

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00182-01-TL	DEKALB	29	1
		ILLINOIS	CONTRACT NO. 87864	

08-01-2025 LETTING ITEM 063

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

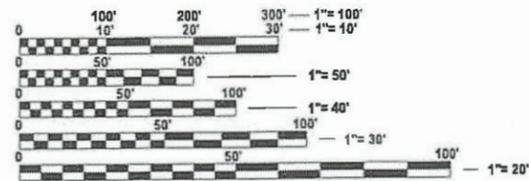
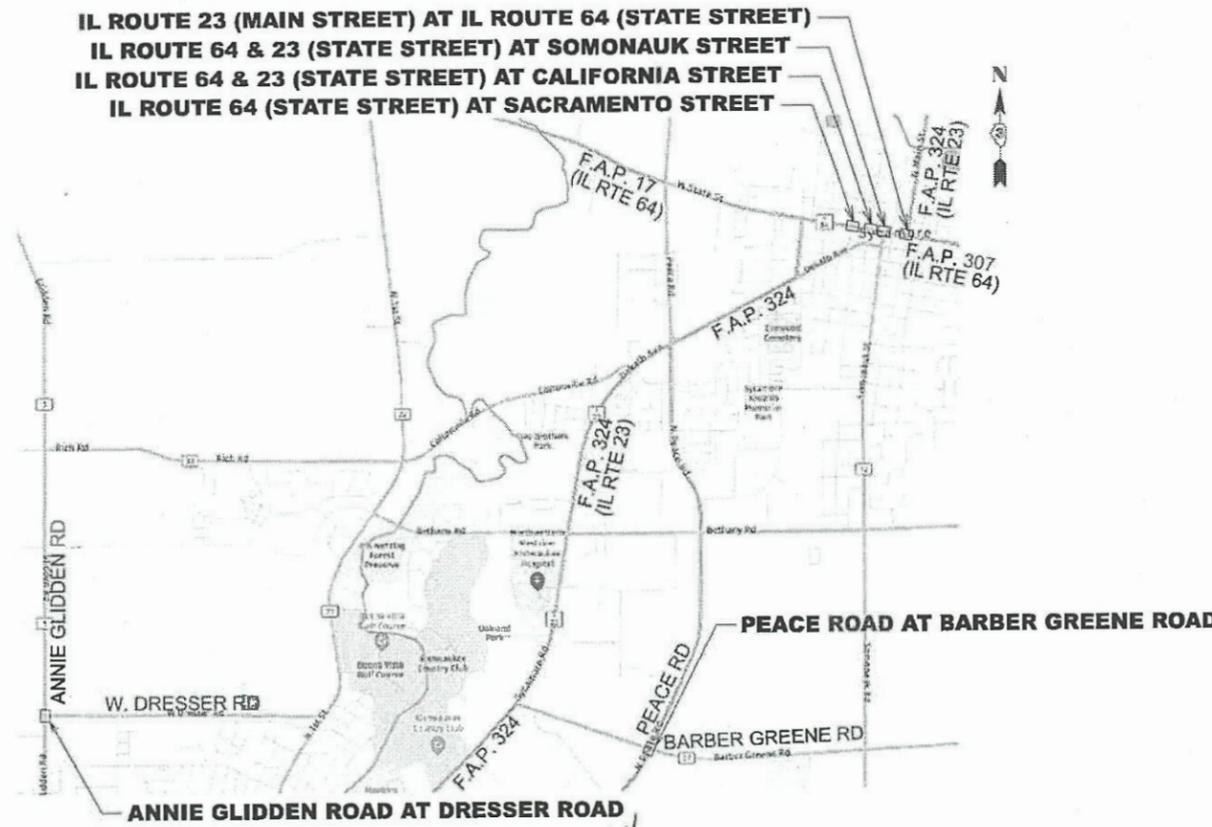
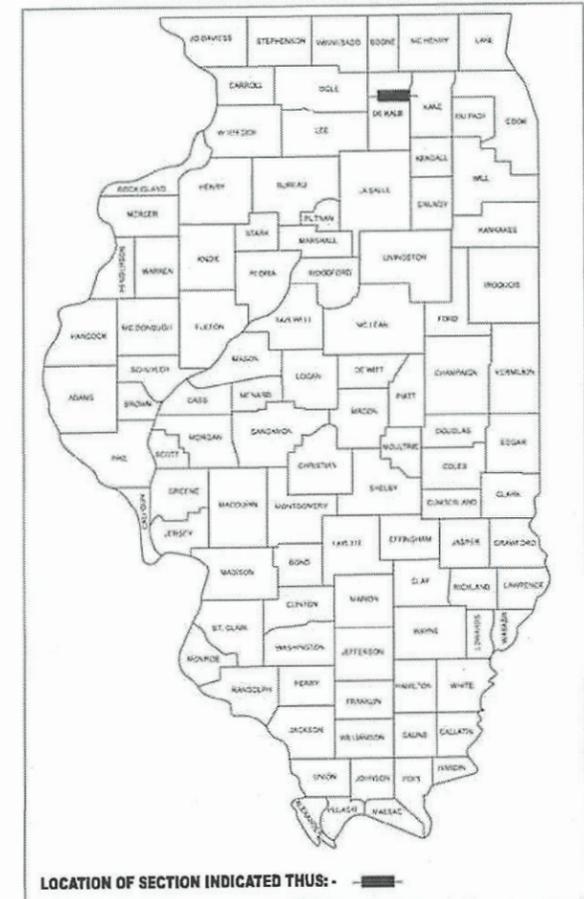
**PROPOSED
HIGHWAY PLANS**

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

F.A.P. ROUTE VARIOUS
SECTION 22-00182-01-TL
PROJECT IVXF(925)
TRAFFIC SIGNAL IMPROVEMENTS
AT SIX INTERSECTIONS
DEKALB COUNTY

C-93-018-25

- IL ROUTE 23 (MAIN STREET) AT IL ROUTE 64 (STATE STREET)
- IL ROUTE 64 & 23 (STATE STREET) AT SOMONAUK STREET
- IL ROUTE 64 & 23 (STATE STREET) AT CALIFORNIA STREET
- IL ROUTE 64 (STATE STREET) AT SACRAMENTO STREET



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

APPROVED *May 16, 2025*
DEKALB COUNTY ENGINEER

PASSED *May 30, 2025*
DISTRICT 5 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID LIMITED REVIEW *May 30, 2025*
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GHA GEWALT HAMILTON ASSOCIATES, INC.

SIGNED: ROSS J. HASEMAN, P.E., PTOE
DATE: MAY 16, 2025



CONTRACT NO. 87864

EXP. 11/30/2025

INDEX OF SHEETS

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HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

DISTRICT DETAILS

606-4	REINFORCEMENT DETAIL FOR COMBINATION CURB AND GUTTER
720-8	TEMPORARY INFORMATION SIGNING
780-10	URBAN PAVEMENT MARKING
780-3	TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS
888-1	ACCESSIBLE PEDESTRAIN SIGNALS

GENERAL NOTES

- EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- ALL EXCAVATED MATERIAL WITHIN THE IDOT RIGHT OF WAY, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY.
- THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES (100 MILLIMETERS) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPERATELY BUT WILL BE INCLUDED IN THE COST OF "PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH".
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.
- ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT NO EXPENSE TO THE DEPARTMENT. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.
- THE TRAFFIC SECTION AT THE ILLNOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, SHALL BE NOTIFIED AT 815-434-5806 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPEATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS, A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE MEMBERS OF JULIE WITHIN THE LIMITS OF IMPROVEMENTS ARE:

COMED	DNA COMMUNICATIONS
KISHWAUKEE WATER RECLAMATION	NICOR GAS
WINDSTREAM KDL / McLEOD USA	

- ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE.
- A 1/4" DIAMETER CONTINUOUS RODENT RESISTENT NYLON ROPE SHALL BE FURNISHED AND LEFT IN THE PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE CONDUIT PAY ITEM.
- THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTIONS WHEN THE SIGNAL IS TURNED ON. COST TO BE INCLUDED WITH THE TRAFFIC SIGNAL CONTROLLER PAY ITEM.
- NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT ATA GREAT THAN 2' MINIMUM DEPTH TO AVOID OBSTUCLES SUCH AS UNDEGROUND UTILITIES.
- THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
- ALL THREADS OF BOLTS USED IN THE ASSEMBLY OF THE TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANIT-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
- ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED, CABLES SHALL BE NEATLY WOUND IN HANDHOLES, CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
- ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.
- ALL GROUNDING MATERIALS FOR CONCRETE FOUNDATIONS SHALL REFER TO SECTION 807 OF THE STANDARD SPECIFICATIONS.
- ALL VEHICLE AND PEDESTRIAN SIGNAL HEDS SHALL HAVE POLYCARBONATE BLACK HOUSING AND STEEL OR ALUMINUM BRACKETS.

HMA MIXTURE REQUIREMENT TABLE

LOCATIONS:	ENTIRE PROJECT
MIXTURE USE(S):	HMA INCIDENTAL
BINDER GRADE (PG):	PG 64-22
DESIGN AIR VOIDS:	4% @ N50
MIXTURE COMPOSITION (MIXTURE GRADATION)	IL 9.5
FRICITION AGGREGATE:	MIXTURE C
MIXTURE WEIGHT:	112.0 LBS/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCQA
SUBLOT SIZE:	NA
DENSITY TEST METHOD:	SATISFACTION OF ENGINEER
MATERIAL TRANSFER DEVICE (REQUIRED)	NO

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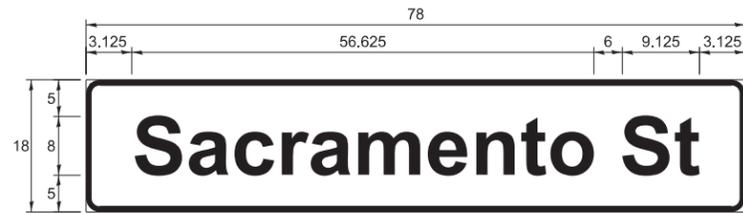
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PLOT DATE = 5/16/2025	DATE - 05.16.2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, LIST OF APPLICABLE STANDARDS, AND GENERAL NOTES - TRAFFIC SIGNAL IMPROVEMENTS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				VAR.	22-00182-01-TL	DEKALB	29	2
				CONTRACT NO. 87864				
SCALE: N.T.S.				SHEET 1	OF 1	SHEETS	STA.	TO STA.
				ILLINOIS	FED. AID PROJECT			

SIGN PANEL - TYPE 1 OR TYPE 2

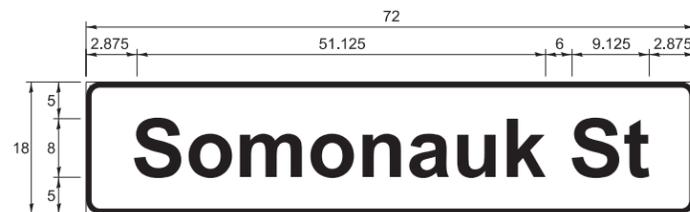
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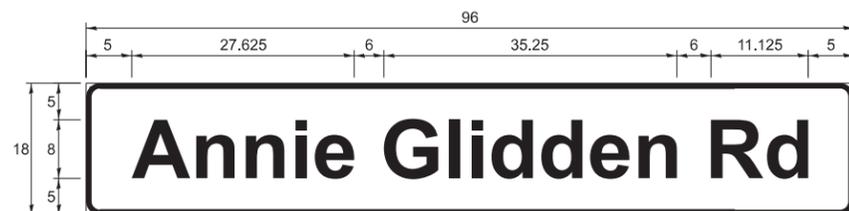
DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.75	2	ZZ	2



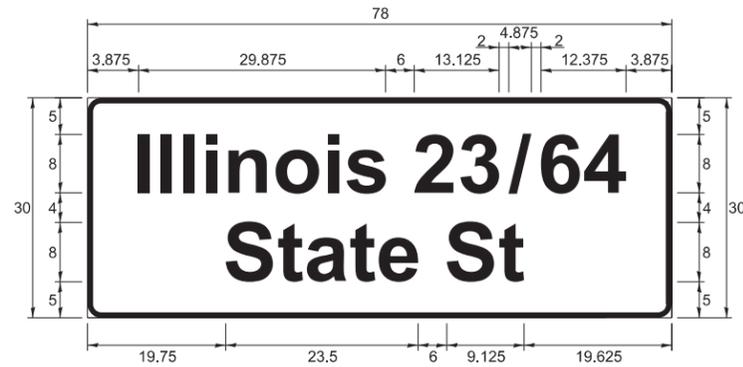
DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	8.25	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9	1	ZZ	2



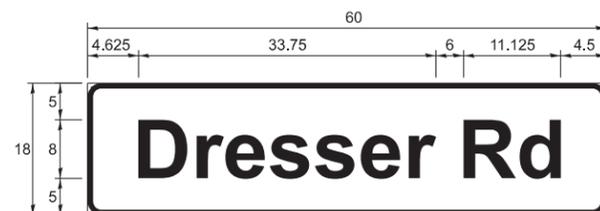
DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	12	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	16.25	2	ZZ	4



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	11.25	2	ZZ	2



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

LOCATION/TYPE	SIZE	QUANTITY	REMOVE SIGN PANEL	SIGN PANEL TYPE 1	SIGN PANEL TYPE 2
	INCHES	EACH	EACH	SQ FT	SQ FT
ILLINOIS 23 / 64 (STATE STREET) AT SACRAMENTO STREET					
NORTHBOUND MAST ARM					
ILLINOIS 23 / 64 STATE STREET - STREET NAME SIGN	78 X 30	1			16.25
STATE STREET EXISTING STREET NAME SIGN			1		
WESTBOUND MAST ARM					
SACRAMENTO STREET - STREET NAME SIGN	78 X 18	1			9.75
SACRAMENTO STREET EXISTING STREET NAME SIGN			1		
SOUTHBOUND MAST ARM					
ILLINOIS 23 / 64 STATE STREET - STREET NAME SIGN	78 X 30	1			16.25
STATE STREET EXISTING STREET NAME SIGN			1		
EASTBOUND MAST ARM					
SACRAMENTO STREET - STREET NAME SIGN	78 X 18	1			9.75
SACRAMENTO STREET EXISTING STREET NAME SIGN			1		
ILLINOIS 23 / 64 (STATE STREET) AT CALIFORNIA STREET					
WESTBOUND MAST ARM					
CALIFORNIA STREET - STREET NAME SIGN	66 X 18	1			8.25
CALIFORNIA STREET EXISTING STREET NAME SIGN			1		
EASTBOUND MAST ARM					
CALIFORNIA STREET - STREET NAME SIGN	66 X 18	1			8.25
CALIFORNIA STREET EXISTING STREET NAME SIGN			1		
ILLINOIS 23 / 64 (STATE STREET) AT SOMONAUK STREET					
WESTBOUND MAST ARM					
SOMONAUK STREET - STREET NAME SIGN	72 X 18	1			9
SOMONAUK STREET EXISTING STREET NAME SIGN			1		
EASTBOUND MAST ARM					
SOMONAUK STREET - STREET NAME SIGN	72 X 18	1			9
SOMONAUK STREET EXISTING STREET NAME SIGN			1		
ILLINOIS 23 / 64 (STATE STREET) AT ILLINOIS 23 (MAIN STREET)					
NORTHBOUND MAST ARM					
ILLINOIS 23 / 64 STATE STREET - STREET NAME SIGN	78 X 30	1			16.25
STATE STREET EXISTING STREET NAME SIGN			1		
LEFT TURN YIELD ON GREEN (R10-12)	30 X 36	1			7.5
NORTHWEST QUADRANT POST					
LEFT TURN YIELD ON GREEN (R10-12)	30 X 36	1			7.5
WESTBOUND MAST ARM					
ILLINOIS 23 MAIN STREET - STREET NAME SIGN	54 X 30	1			11.25
MAIN STREET EXISTING STREET NAME SIGN			1		
SOUTHBOUND MAST ARM					
ILLINOIS 23 / 64 STATE STREET - STREET NAME SIGN	78 X 30	1			16.25
STATE STREET EXISTING STREET NAME SIGN			1		
EASTBOUND MAST ARM					
ILLINOIS 23 MAIN STREET - STREET NAME SIGN	54 X 30	1			11.25
MAIN STREET EXISTING STREET NAME SIGN			1		
ANNIE GLIDDEN ROAD AT DRESSER ROAD					
NORTHBOUND MAST ARM					
DRESSER ROAD - STREET NAME SIGN	60 X 18	1			7.5
WESTBOUND MAST ARM					
ANNIE GLIDDEN ROAD - STREET NAME SIGN	96 X 18	1			12
SOUTHBOUND MAST ARM					
DRESSER ROAD - STREET NAME SIGN	60 X 18	1			7.5

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PLOT DATE = 5/15/2025	DATE - 05.16.2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNAGE DETAILS
TRAFFIC SIGNAL IMPROVEMENTS - VARIOUS LOCATIONS**

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00182-01-TL	DEKALB	29	3
CONTRACT NO. 87864				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES					IL ROUTE 23-64 (STATE STREET) AT SACRAMENTO STREET	IL ROUTE 23-64 (STATE STREET) AT CALIFORNIA STREET	IL ROUTE 23-64 (STATE STREET) AT SOMONAUK STREET	IL ROUTE 64 (STATE STREET) AT IL ROUTE 23 (MAIN STREET)	PEACE ROAD AT BARBER GREENE ROAD	ANNIE GLIDDEN ROAD AT DRESSER ROAD
* CODE NO.	ITEM	UNIT	TOTAL QUANTITY							
* 28000510	INLET FILTERS	EACH	1						1	
* 35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	63						63	
* 40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	1						1	
* 42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	412						412	
* 42400800	DETECTABLE WARNINGS	SQ FT	44						44	
* 44000100	PAVEMENT REMOVAL	SQ YD	12						12	
* 44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	59						59	
* 44000600	SIDEWALK REMOVAL	SQ FT	393						393	
* 60603900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (ABUTTING EXISTING PAVEMENT)	FOOT	59						59	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1				1			
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1				1			
* 66901001	REGULATED SUBSTANCES PRE-COSTRUCTION PLAN	LSUM	1				1			
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1				1			
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	1				1			
67100100	MOBILIZATION	LSUM	1							
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	LSUM	1							

* SPECIALTY ITEM

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PLT SCALE = 0.16666633' / in.	DATE - 05.16.2025	REVISED -
PLT DATE = 5/15/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
TRAFFIC SIGNAL IMPROVEMENTS - VARIOUS LOCATIONS

SCALE: N.T.S. SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00182-01-TL	DEKALB	29	4
CONTRACT NO. 87664			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES					IL ROUTE 23-64 (STATE STREET) AT SACRAMENTO STREET	IL ROUTE 23-64 (STATE STREET) AT CALIFORNIA STREET	IL ROUTE 23-64 (STATE STREET) AT SOMONAUK STREET	IL ROUTE 64 (STATE STREET) AT IL ROUTE 23 (MAIN STREET)	PEACE ROAD AT BARBER GREENE ROAD	ANNIE GLIDDEN ROAD AT DRESSER ROAD
* CODE NO.	ITEM	UNIT	TOTAL QUANTITY							
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1							
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1							
72000100	SIGN PANEL - TYPE 1	SQ FT	64.5		16.5	18	15		15	
72000200	SIGN PANEL - TYPE 2	SQ FT	119	52			55		12	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	244						244	
* 78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	65						65	
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	216					216		
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	10					10		
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	36						36	
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	72						72	
81400100	HANDHOLE	EACH	2					1	1	
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	404					404		
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	6	1	1	1	1	1	1	
86200200	UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1					1		
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,310					773	537	
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,613					1,056	557	

* SPECIALTY ITEM

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PLOT DATE = 5/15/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
TRAFFIC SIGNAL IMPROVEMENTS - VARIOUS LOCATIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00182-01-TL	DEKALB	29	5
CONTRACT NO. 87864			ILLINOIS FED. AID PROJECT	

SCALE: N.T.S. SHEET 2 OF 5 SHEETS STA. TO STA.

SUMMARY OF QUANTITIES					IL ROUTE 23-64 (STATE STREET) AT SACRAMENTO STREET	IL ROUTE 23-64 (STATE STREET) AT CALIFORNIA STREET	IL ROUTE 23-64 (STATE STREET) AT SOMONAUK STREET	IL ROUTE 64 (STATE STREET) AT IL ROUTE 23 (MAIN STREET)	PEACE ROAD AT BARBER GREENE ROAD	ANNIE GLIDDEN ROAD AT DRESSER ROAD
* CODE NO.	ITEM	UNIT	TOTAL QUANTITY							
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	881					664	217	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3,331				1,095	2,236		
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	544					544		
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	682					550	132	
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1						1	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4						4	
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4					4		
87900200	DRILL EXISTING HANDHOLE	EACH	5					2	3	
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1						1	
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3					3		
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	9				3	6		
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	11				3	8		
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8					4	4	
88600100	DETECTOR LOOP, TYPE I	FOOT	108						108	
89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	2				1	1		
89502200	MODIFY EXISTING CONTROLLER	EACH	1						1	

* SPECIALTY ITEM

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PLOT SCALE = 0.16666633' / in.	CHECKED - RJH	REVISED -
PLOT DATE = 5/15/2025	DATE - 05.16.2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
TRAFFIC SIGNAL IMPROVEMENTS - VARIOUS LOCATIONS

SCALE: N.T.S. SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00182-01-TL	DEKALB	29	6
CONTRACT NO. 87864				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES					IL ROUTE 23-64 (STATE STREET) AT SACRAMENTO STREET	IL ROUTE 23-64 (STATE STREET) AT CALIFORNIA STREET	IL ROUTE 23-64 (STATE STREET) AT SOMONAUK STREET	IL ROUTE 64 (STATE STREET) AT IL ROUTE 23 (MAIN STREET)	PEACE ROAD AT BARBER GREENE ROAD	ANNIE GLIDDEN ROAD AT DRESSER ROAD
* CODE NO.	ITEM	UNIT	TOTAL QUANTITY							
89502300	REMOVE ELECTRICAL CABLE FROM CONDUIT	FOOT	7,933				844	7,089		
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2,548					2,548		
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2				1	1		
89502380	REMOVE EXISTING HANDHOLE	EACH	1					1		
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2					2		
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	LSUM	1							
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	262					262		
X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1						1	
X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2					1	1	
X1400437	GPS CLOCK SYNC UNIT	EACH	4	1	1	1	1			
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	77						77	
X7240195	REMOVE EXISTING SIGN PANEL	EACH	8	4	2	2				
X8100863	INTERCEPT EXISTING CONDUIT	EACH	2					2		
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EACH	1				1			
X8570235	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1					1		
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8					4	4	

* SPECIALTY ITEM

MODEL: SOQ-04 (Sheet)
FILE NAME: G:\ORD_Projects\0315_000_Dekalb_Signals\CADD Data\Sheets\0885_900-sh-SOQ.dgn

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PLOT SCALE = 0.18666833' / in.	DRAWN - ZCW	REVISED -
PLOT DATE = 5/20/2025	CHECKED - RJH	REVISED -
	DATE - 05.20.2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
TRAFFIC SIGNAL IMPROVEMENTS - VARIOUS LOCATIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00182-01-TL	DEKALB	29	7
CONTRACT NO. 87864			ILLINOIS FED. AID PROJECT	

SCALE: N.T.S. SHEET 4 OF 5 SHEETS STA. TO STA.

SUMMARY OF QUANTITIES					IL ROUTE 23-64 (STATE STREET) AT SACRAMENTO STREET	IL ROUTE 23-64 (STATE STREET) AT CALIFORNIA STREET	IL ROUTE 23-64 (STATE STREET) AT SOMONAUK STREET	IL ROUTE 64 (STATE STREET) AT IL ROUTE 23 (MAIN STREET)	PEACE ROAD AT BARBER GREENE ROAD	ANNIE GLIDDEN ROAD AT DRESSER ROAD
* CODE NO.	ITEM	UNIT	TOTAL QUANTITY							
X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12					4	8	
X8780402	MODIFY EXISTING TYPE "D" FOUNDATION	EACH	1				1			
X8820014	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL	EACH	34				17	17		
* X8860100	LOOP DETECTOR TESTING	EACH	1						1	
X8891001	VIDEO VEHICLE DETECTION SYSTEM	EACH	4	1	1	1	1			
X8891301	VIDEO AND RADAR HYBRID DETECTION SYSTEM	EACH	1					1		
Z0073509	PERMANENT TRAFFIC SIGNAL TIMING	EACH	2				1		1	
XX005800	RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM	EACH	1				1			

* SPECIALTY ITEM

MODEL: S00-05 (Sheet)
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DRAWN - ZCW	CHECKED - RJH	REVISED -
PLOT SCALE = 0.16866833' / in.	DATE - 05.20.2025	REVISED -
PLOT DATE = 6/9/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
TRAFFIC SIGNAL IMPROVEMENTS - VARIOUS LOCATIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00182-01-TL	DEKALB	29	8
CONTRACT NO. 87864			ILLINOIS FED. AID PROJECT	



DRESSER ROAD

10+0

EXIST. R.O.W.

ANNIE GLIDDEN ROAD

DETECTABLE WARNINGS
(40' R, ARC LENGTH 9.6')

THERMOPLASTIC PAVEMENT MARKING - LINE 6"
(TYP.)

COMBINATION CURB AND GUTTER REMOVAL
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
(ABUTTING EXISTING PAVEMENT)
(TYP.)

SIDE CURB (TYP.)

EXIST. R.O.W.

SIDEWALK REMOVAL
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
AGGREGATE BASE COURSE, TYPE B 4"
(TYP.)

NOTE:
ALL PUSHBUTTONS SHOWN SHALL BE APS IN
ACCORDANCE WITH THE TRAFFIC SIGNAL
PLANS.

DETECTABLE WARNING ARC LENGTH
MEASURED ALONG THE EDGE ADJACENT TO
BACK OF CURB.

SIDE CURB SHALL BE PAID FOR AS PORTLAND
CEMENT CONCRETE SIDEWALK 5 INCH

ALL EXISTING PAVEMENT MARKINGS IN
CONFLICT SHALL BE REMOVED. THIS WORK
SHALL BE PAID FOR AS PAVEMENT MARKING
REMOVAL - WATER BLASTING.

ADA GRADING		COORDINATE TABLE	
	NORTHING	EASTING	ELEVATION
A	1925555.52	864668.75	(896.20)
B	1925555.57	864662.75	(896.19)
DA	1925524.80	864670.35	(895.68)
DB	1925523.65	864671.44	896.04
DC	1925522.60	864668.16	(895.60)
DD	1925521.92	864668.89	895.55
DE	1925521.52	864669.32	895.97
DF	1925513.65	864660.65	(895.57)
DG	1925513.11	864661.49	895.52
DH	1925512.80	864661.99	895.56
DI	1925510.94	864659.08	(895.56)
DJ	1925510.20	864660.48	895.92
EA	1925520.77	864668.63	895.97
EB	1925520.20	864668.12	895.59
EC	1925511.96	864661.47	895.94
ED	1925501.90	864661.79	895.72
EE	1925501.79	864667.79	895.78
EF	1925491.92	864661.76	(895.95)
EG	1925491.79	864667.67	(896.19)

MODEL: ADA-2 [Sheet]
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	DRAWN - DGO	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED - RJH	REVISED -
PLOT DATE = 5/15/2025	DATE - 05.16.2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA GRADING PLAN
ANNIE GLIDDEN ROAD AT DRESSER ROAD

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

F.A.P. RTE. 5348 5370	SECTION 22-00182-01-TL	COUNTY DEKALB	TOTAL SHEETS 29	SHEET NO. 10
CONTRACT NO. 87864				
ILLINOIS FED. AID PROJECT				

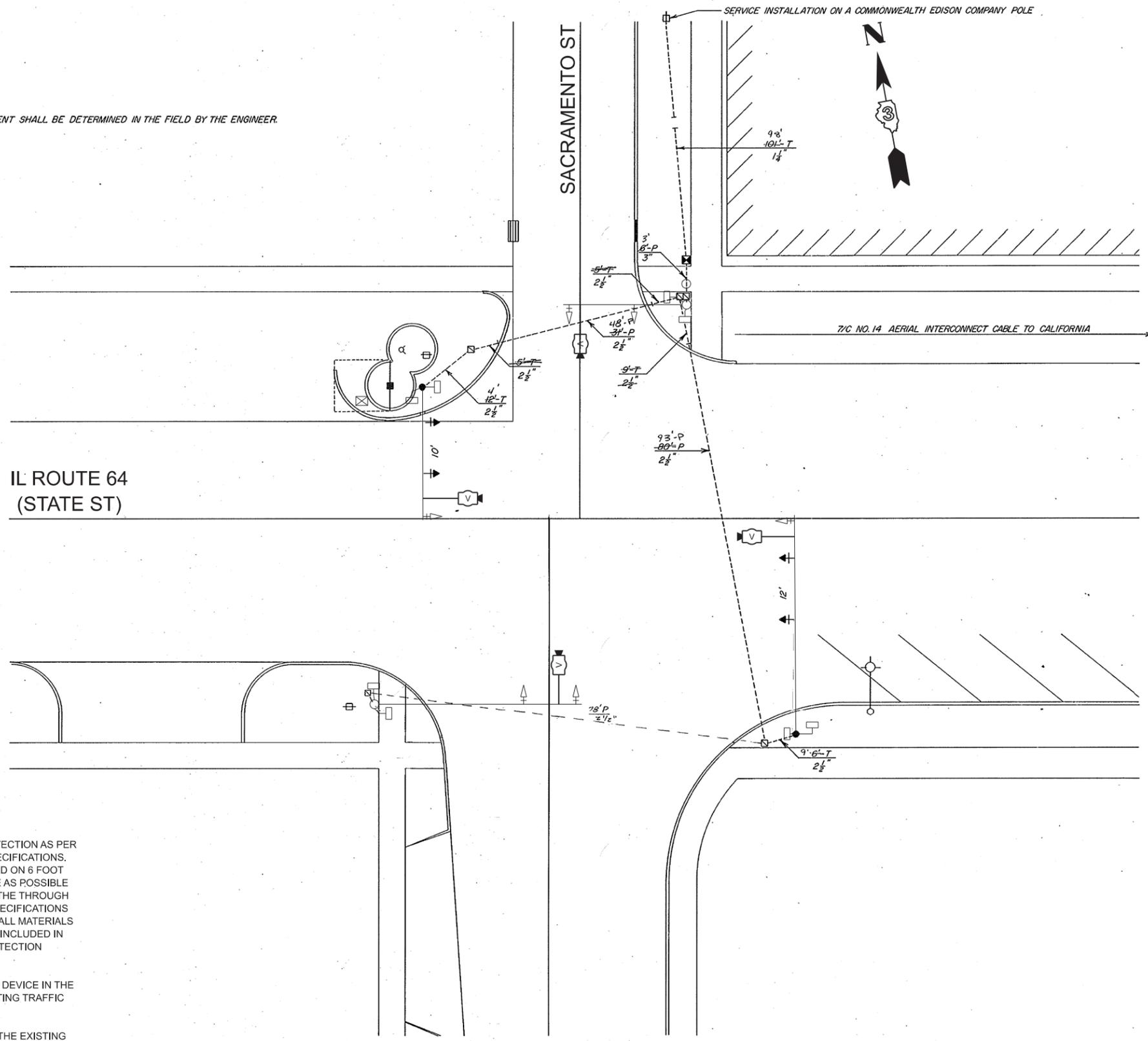
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 17	18CS-TS	DEKALB		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

NOTE

1. THE EXACT LOCATION OF ALL SIGNAL EQUIPMENT SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

IL ROUTE 64
(STATE ST)

SACRAMENTO ST



NOTES:

1. THE CONTRACTOR SHALL INSTALL NEW VIDEO DETECTION AS PER MANUFACTURER, VENDOR, AND IDOT DISTRICT 3 SPECIFICATIONS. THE VIDEO DETECTION CAMERAS SHALL BE MOUNTED ON 6 FOOT RISERS NEAR THE END OF THE MAST ARM, AS CLOSE AS POSSIBLE TO BEING ALLIGNED WITH THE LANE LINE BETWEEN THE THROUGH LANE AND THE LEFT TURN LANE, AS PER VENDOR SPECIFICATIONS AND TO THE SATISFACTION OF THE IDOT ENGINEER. ALL MATERIALS AND LABOR REQUIRED FOR INSTALLATION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "VIDEO VEHICLE DETECTION SYSTEM".
2. THE CONTRATOR SHALL INSTALL A GPS TIME SYNC DEVICE IN THE TRAFFIC CABINET AND INTEGRATE IT WITH THE EXISTING TRAFFIC SIGNAL CONTROLLER.
3. THE CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING MAST ARM MOUNTED, STREET NAME SIGNS.

LEGEND

- CONTROLLER
- MAST ARM ASSEMBLY AND POLE
- SIGNAL HEAD AND POST WITH BACKPLATE
- SIGNAL HEAD WITH BACKPLATE
- HANDHOLE
- DOUBLE HANDHOLE
- GALVANIZED STEEL CONDUIT
UPPER NUMERAL INDICATES LENGTH
"T" INDICATES CONDUIT IN TRENCH
"P" INDICATES CONDUIT PUSHED
LOWER NUMERAL INDICATES SIZE
- EXISTING CONCRETE LIGHT POLE AND LUMINAIRE
- A.T.S. ATTACHED TO STRUCTURE
- NEW PEDESTRIAN SIGNAL
- VIDEO DETECTION

DISTRICT NO. 2 DIXON

DESIGNED
DRAWN L.D. HILL DATE
CHECKED SCALE 1" = 10'

MODEL: TS_IL_64 at Sacramento (Sheet)
FILE NAME: C:\ORD_Projects\6085.900\shl-TS_IL_64 at Sacramento.dgn



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PLOT DATE = 5/15/2025	CHECKED - RJH	REVISED -
	DATE - 05.16.2025	REVISED -

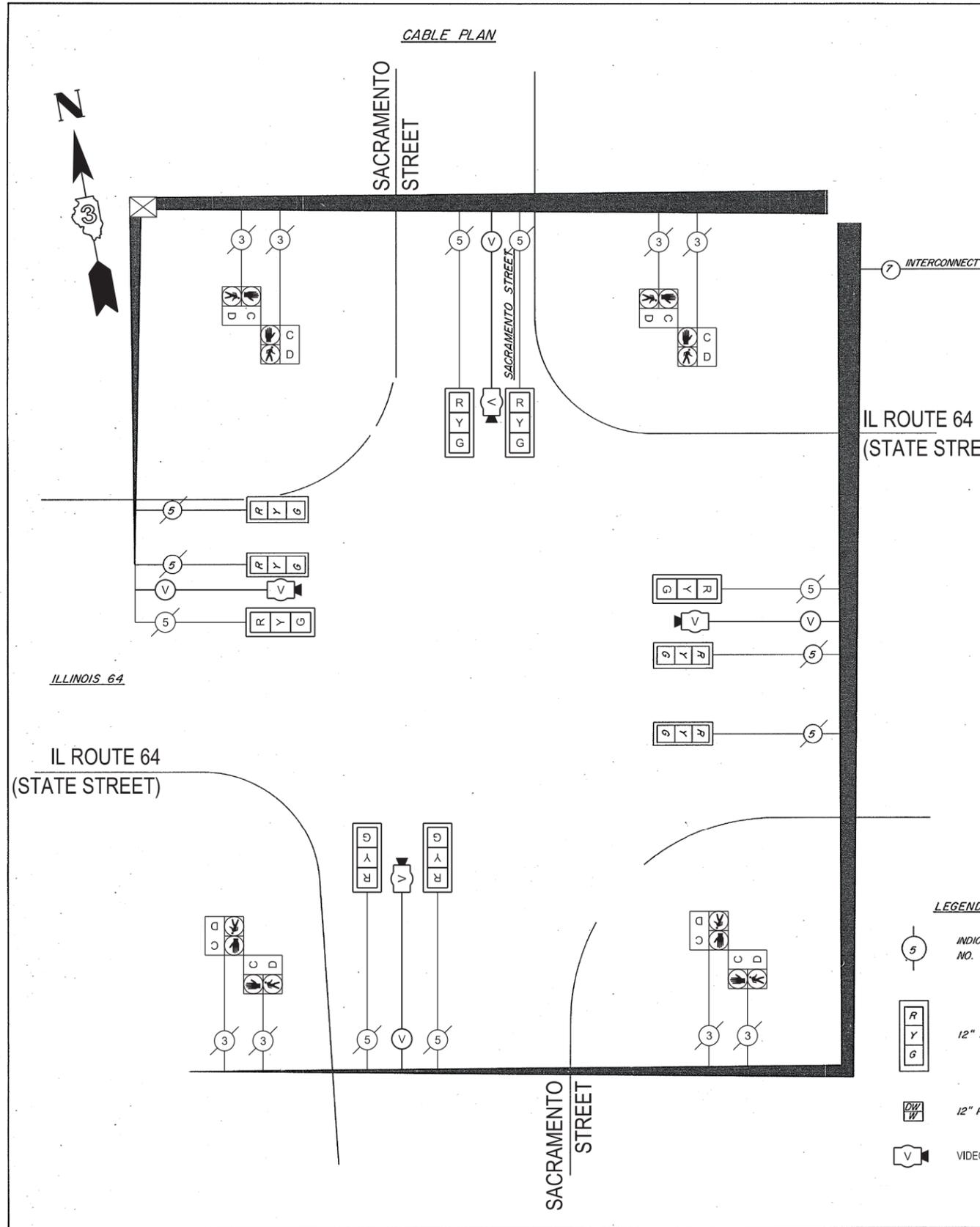
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL IMPROVEMENTS
IL ROUTE 64 (STATE STREET) AT SACRAMENTO STREET

SCALE: N.T.S. SHEET 1 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5348 5370	22-00182-01-TL	DEKALB	29	11
CONTRACT NO. 87864				
ILLINOIS FED. AID PROJECT				

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 17	18CS-TS	DEKALB		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



SEQUENCE OF OPERATION

PHASE	A			B			FLASH
	INTERVAL			INTERVAL			
MOVEMENT	← →			↑ ↓			
STREET	1	2	3	4	5	6	
ILLINOIS 64	G	G	Y	R	R	R	Y
SACRAMENTO STREET	R	R	R	G	G	Y	R
PED. CROSSING ILLINOIS 64	DW	DW	DW	W	FLA. DW	DW	DARK
PED. CROSSING SACRAMENTO ST.	W	FLA. DW	DW	DW	DW	DW	DARK
TIMING IN SECONDS	21	16.8	3.0	7.2	9.0	3.0	60
TIMING IN %	35	28	5	12	15	5	100
OFFSET IN SECONDS	0						
OFFSET IN %	0						

NOTE: THE ELECTRIC TIME SWITCH SHALL BE USED TO PUT THE SIGNALS ON FLASH.

SUMMARY OF QUANTITIES - IL ROUTE 64 (STATE STREET) AT SACRAMENTO STREET

PAY CODE	DESCRIPTION	UNIT	IL ROUTE 64 (STATE STREET) AT SACRAMENTO STREET
72000200	SIGN PANEL - TYPE 2	SQ FT	52
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
X1400437	GPS CLOCK SYNC UNIT	EACH	1
X7240195	REMOVE EXISTING SIGN PANEL	EACH	4
X8891001	VIDEO VEHICLE DETECTION SYSTEM	EACH	1

- LEGEND**
- INDICATES NUMBER OF CONDUCTORS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED.
 - 12" SIGNALS WITH BACKPLATES
 - 12" PEDESTRIAN SIGNALS
 - VIDEO DETECTION

DISTRICT NO. 2 DIXON
 DESIGNED
 DRAWN L.D. HILL
 CHECKED
 DATE
 SCALE

MODEL: TS-Cable_IL 64 at Sacramento (Sheet)
 FILE NAME: G:\CRD_Proj\6085.900_DeKalb_Signals\CADD Data\Sheets\6085.900_sht-TS-Cable_IL 64 at Sacramento.dgn



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PLOT SCALE = 0.16666633 1/In.	DRAWN - AMK	REVISED -
PLOT DATE = 5/15/2025	CHECKED - RJH	REVISED -
	DATE - 05.16.2025	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL ROUTE 64 (STATE STREET) AT SACRAMENTO STREET**

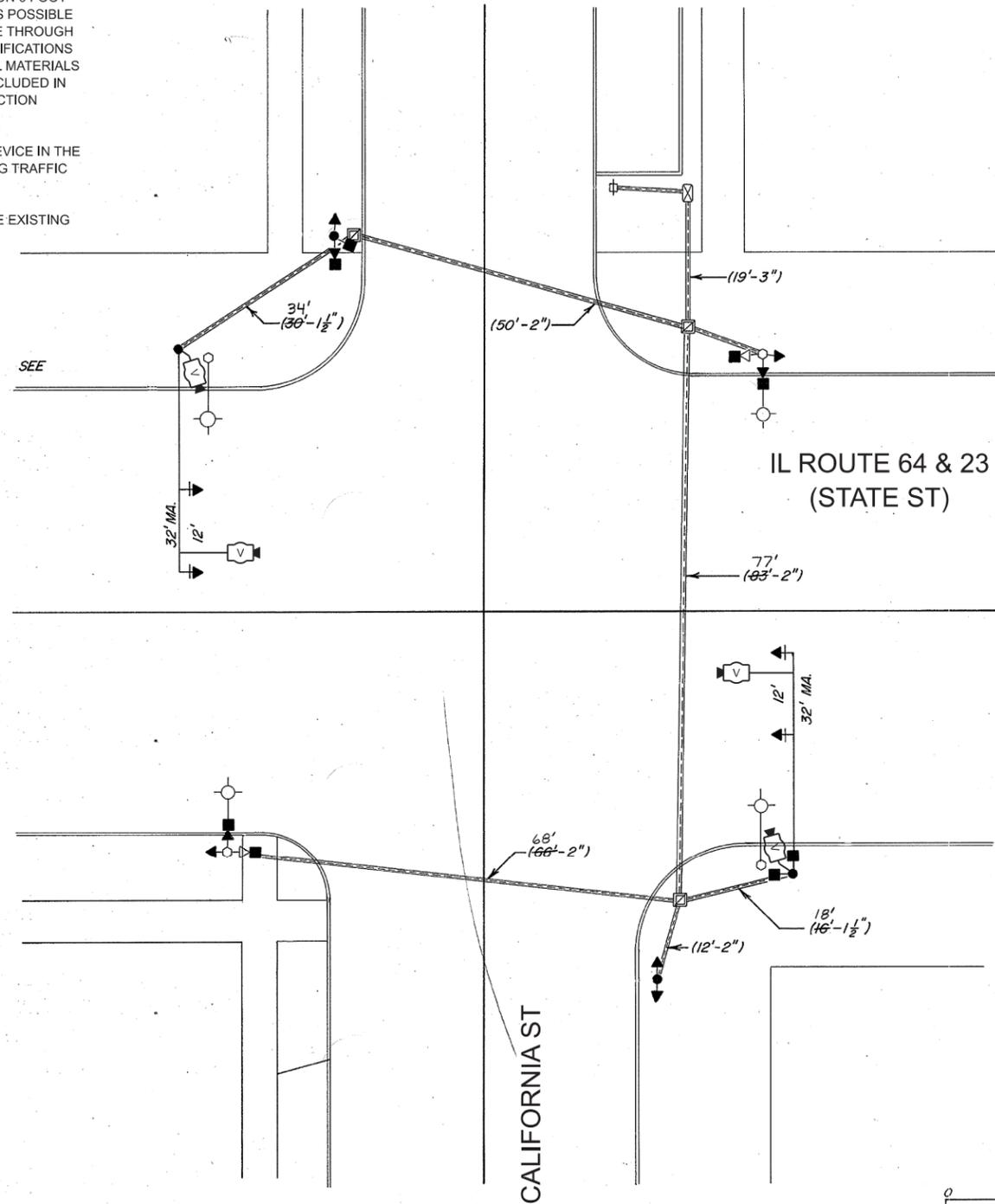
SCALE: N.T.S. SHEET 2 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5348 5370	22-00182-01-TL	DEKALB	29	12
CONTRACT NO. 87864				
ILLINOIS FED. AID PROJECT				

*10CS-TS				
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 17	*	DEKALB		
FED. ROAD DIST. NO. 7 ILLINOIS PROJECT				

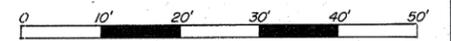
NOTES:

1. THE CONTRACTOR SHALL INSTALL NEW VIDEO DETECTION AS PER MANUFACTURER, VENDOR, AND IDOT DISTRICT 3 SPECIFICATIONS. THE VIDEO DETECTION CAMERAS SHALL BE MOUNTED ON 6 FOOT RISERS NEAR THE END OF THE MAST ARM, AS CLOSE AS POSSIBLE TO BEING ALLIGNED WITH THE LANE LINE BETWEEN THE THROUGH LANE AND THE LEFT TURN LANE, AS PER VENDOR SPECIFICATIONS AND TO THE SATISFACTION OF THE IDOT ENGINEER. ALL MATERIALS AND LABOR REQUIRED FOR INSTALLATION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "VIDEO VEHICLE DETECTION SYSTEM".
2. THE CONTRATOR SHALL INSTALL A GPS TIME SYNC DEVICE IN THE TRAFFIC CABINET AND INTEGRATE IT WITH THE EXISTING TRAFFIC SIGNAL CONTROLLER.
3. THE CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING MAST ARM MOUNTED STREET NAME SIGNS.



LEGEND

- EXISTING CONTROLLER
- CONTROLLER
- EXISTING ALUMINUM MAST ARM ASSEMBLY AND POLE
- ALUMINUM MAST ARM ASSEMBLY AND POLE
- EXISTING STEEL MAST ARM ASSEMBLY AND POLE
- STEEL MAST ARM ASSEMBLY AND POLE
- EXISTING SIGNAL HEAD AND POST
- SIGNAL HEAD AND POST
- EXISTING SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- EXISTING PEDESTRIAN HEAD
- PEDESTRIAN HEAD
- PEDESTRIAN PUSHBUTTON
- EXISTING HANDHOLE
- HANDHOLE
- JUNCTION BOX
- HEAVY-DUTY HANDHOLE
- DOUBLE HANDHOLE
- EXISTING CONDUIT (LENGTH AND SIZE)
- LUMINAIRE
- GALVANIZED STEEL OR PVC CONDUIT
- UPPER NUMERAL INDICATES LENGTH
- "T" INDICATES CONDUIT IN TRENCH
- "P" INDICATES CONDUIT PUSHED
- LOWER NUMERAL INDICATES SIZE AND TYPE
- VIDEO DETECTION



DISTRICT NO. 2 DIXON
 DESIGNED L.D. HILL
 DRAWN L.D. HILL DATE 2-90
 CHECKED SCALE 1"=10'-0"

MODEL: TS, State of California (Sheet)
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PLOT SCALE = 0.16666633 / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/15/2025	CHECKED - RJH	REVISED -
	DATE - 05.16.2025	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

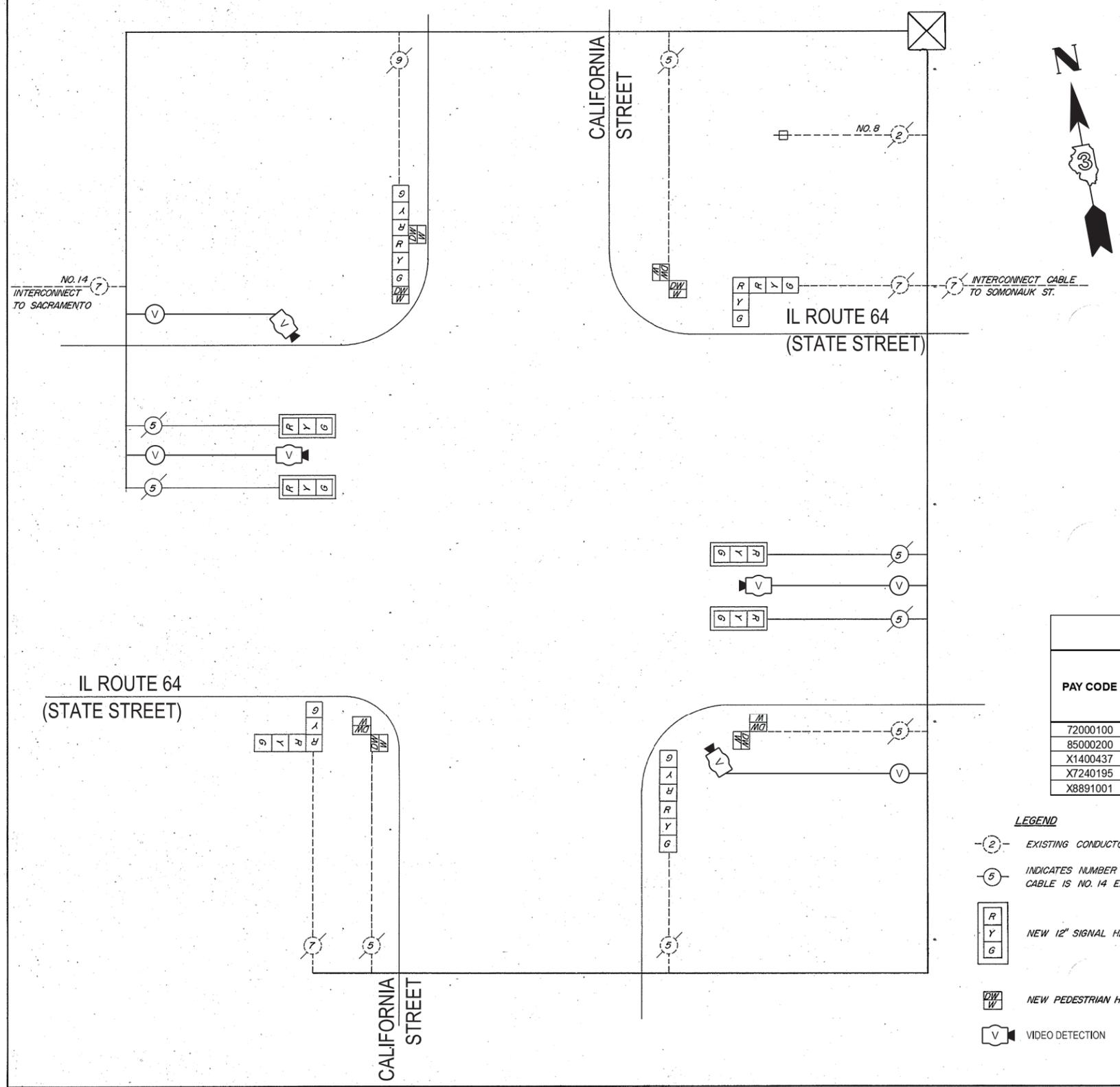
TRAFFIC SIGNAL IMPROVEMENTS
 IL ROUTE 64 & 23 (STATE STREET) AT CALIFORNIA STREET
 SCALE: N.T.S. SHEET 3 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 5348 5370	SECTION 22-00182-01-TL	COUNTY DEKALB	TOTAL SHEETS 29	SHEET NO. 13
CONTRACT NO. 87864				
ILLINOIS FED. AID PROJECT				

* IOCS - TS

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 17	*	DE KALB		
FED. ROAD DIST. NO. 7		ILLINOIS		PROJECT

CABLE PLAN



EXISTING SEQUENCE OF OPERATION

PHASE	A			B			FLA.
MOVEMENT	[Diagram: Left turn, Through, Right turn]			[Diagram: Left turn, Through, Right turn]			
STREET	INTERVAL						
	1	2	3	4	5	6	
IL 64 & 23 (STATE ST.)	G	G	Y	R	R	R	R
CALIFORNIA ST.	R	R	R	G	G	Y	R
PEDESTRIANS CROSSING CALIFORNIA	W	FLA DW	DW	DW	DW	DW	DARK
PEDESTRIANS CROSSING STATE	DW	DW	DW	W	FLA DW	DW	DARK

SUMMARY OF QUANTITIES - IL ROUTE 64 (STATE STREET) AT CALIFORNIA STREET

PAY CODE	DESCRIPTION	UNIT	IL ROUTE 64 (STATE STREET) AT CALIFORNIA STREET
72000100	SIGN PANEL - TYPE 1	SQ FT	16.5
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
X1400437	GPS CLOCK SYNC UNIT	EACH	1
X7240195	REMOVE EXISTING SIGN PANEL	EACH	2
X8891001	VIDEO VEHICLE DETECTION SYSTEM	EACH	1

- LEGEND
- ② - EXISTING CONDUCTOR CABLE - REMAIN
 - ⑤ - INDICATES NUMBER OF NEW CONDUCTORS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED
 - [R, Y, G] - NEW 12" SIGNAL HEAD WITH OR WITHOUT BACKPLATE
 - [DW, W] - NEW PEDESTRIAN HEAD (LOW PROFILE)
 - [V] - VIDEO DETECTION

DISTRICT NO. 2 DIXON
 DESIGNED L.D. HILL
 DRAWN L.D. HILL
 CHECKED — DATE 8-90
 SCALE —

MODEL: TS-Cable_State at California (Street)
 FILE NAME: G:\ORD_Projects\6085.900 DeKalb_Signals\CADD Data\Sheets\6085.900_sht-TS-Cable_State at California.dgn



USER NAME = akopel	DESIGNED - RJH	REVISED -
PLOT SCALE = 0.16666833" / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/15/2025	CHECKED - RJH	REVISED -
	DATE - 05.16.2025	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL ROUTE 64 & 23 (STATE STREET) AT CALIFORNIA STREET**

SCALE: N.T.S. SHEET 4 OF 14 SHEETS STA. TO STA.

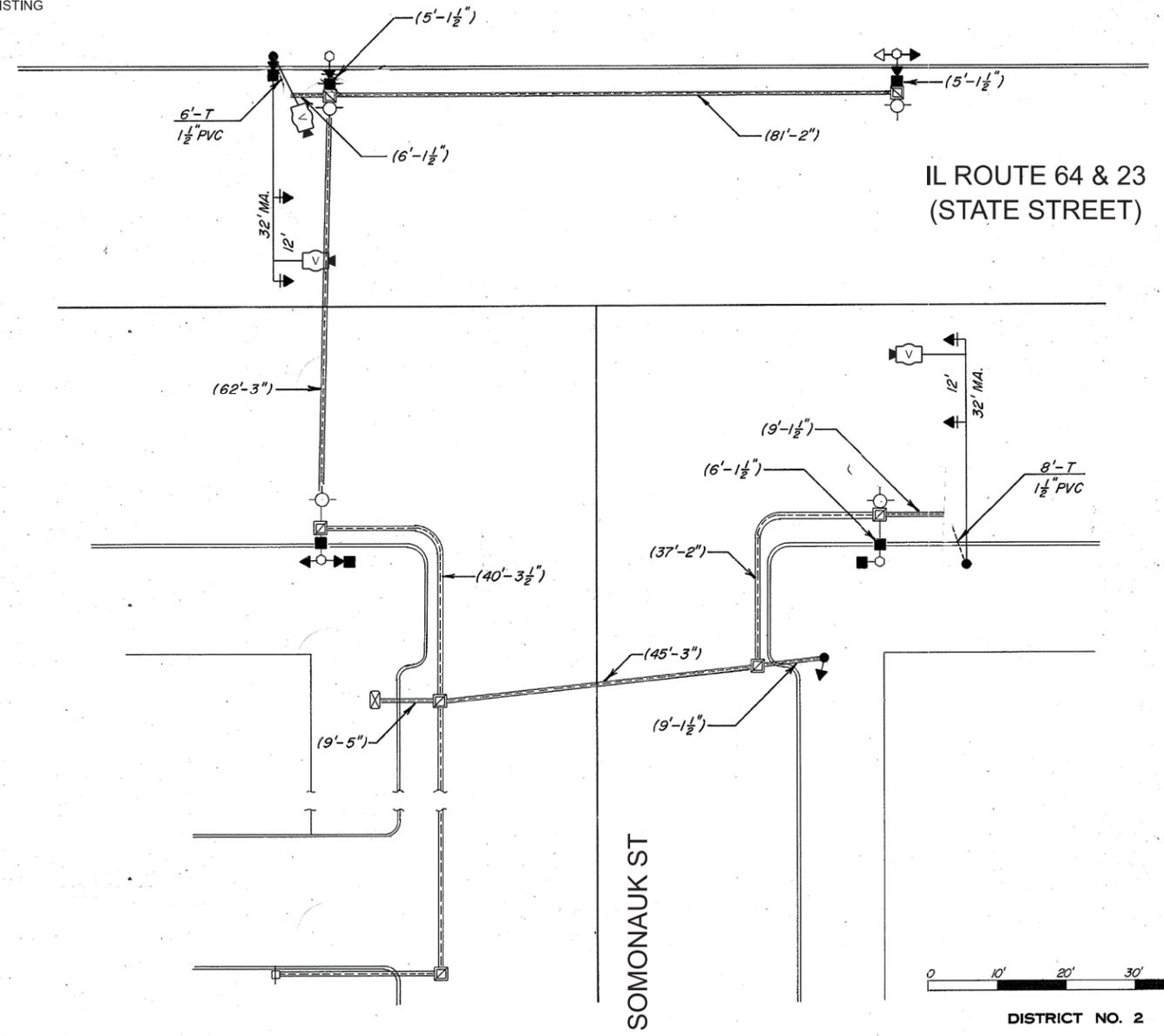
F.A.P. RTE. 5348 5370	SECTION 22-00182-01-TL	COUNTY DEKALB	TOTAL SHEETS 29	SHEET NO. 14
CONTRACT NO. 87864			ILLINOIS FED. AID PROJECT	

* IOCS - TS				
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 17	*	DE KALB		
FED. ROAD DIST. NO. 7 ILLINOIS PROJECT				



NOTES:

1. THE CONTRACTOR SHALL INSTALL NEW VIDEO DETECTION AS PER MANUFACTURER, VENDOR, AND IDOT DISTRICT 3 SPECIFICATIONS. THE VIDEO DETECTION CAMERAS SHALL BE MOUNTED ON 6 FOOT RISERS NEAR THE END OF THE MAST ARM, AS CLOSE AS POSSIBLE TO BEING ALLIGNED WITH THE LANE LINE BETWEEN THE THROUGH LANE AND THE LEFT TURN LANE, AS PER VENDOR SPECIFICATIONS AND TO THE SATISFACTION OF THE IDOT ENGINEER. ALL MATERIALS AND LABOR REQUIRED FOR INSTALLATION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "VIDEO VEHICLE DETECTION SYSTEM".
2. THE CONTRATOR SHALL INSTALL A GPS TIME SYNC DEVICE IN THE TRAFFIC CABINET AND INTEGRATE IT WITH THE EXISTING TRAFFIC SIGNAL CONTROLLER.
3. THE CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING MAST ARM MOUNTED STREET NAME SIGNS.



IL ROUTE 64 & 23
(STATE STREET)

SOMONAUK ST



DISTRICT NO. 2 DIXON
DESIGNED L.D. HILL
DRAWN L.D. HILL
CHECKED
DATE 2-90
SCALE 1"=10'-0"

LEGEND

- EXISTING CONTROLLER
- NEW CONTROLLER
- EXISTING ALUMINUM MAST ARM ASSEMBLY AND POLE
- ALUMINUM MAST ARM ASSEMBLY AND POLE
- EXISTING STEEL MAST ARM ASSEMBLY AND POLE
- STEEL MAST ARM ASSEMBLY AND POLE
- EXISTING SIGNAL HEAD AND POST
- SIGNAL HEAD AND POST
- EXISTING SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- EXISTING PEDESTRIAN HEAD
- PEDESTRIAN HEAD
- PEDESTRIAN PUSHBUTTON
- EXISTING HANDHOLE
- HANDHOLE
- JUNCTION BOX
- HEAVY-DUTY HANDHOLE
- DOUBLE HANDHOLE
- EXISTING CONDUIT (LENGTH AND SIZE)
- LUMINAIRE
- GALVANIZED STEEL OR PVC CONDUIT
- UPPER NUMERAL INDICATES LENGTH
- "T" INDICATES CONDUIT IN TRENCH
- "P" INDICATES CONDUIT PUSHED
- LOWER NUMERAL INDICATES SIZE AND TYPE
- VIDEO DETECTION

MODEL: TS, State at Somonauk (Sheet)
FILE NAME: C:\ORD_Projects\6085.900 DeKalb_Signals\CADD Data\Sheets\6085.900_sht-TS_State at Somonauk.dgn



USER NAME = akopel	DESIGNED - RJH	REVISED -
PLOT SCALE = 0.16666833 / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/15/2025	CHECKED - RJH	REVISED -
	DATE - 05.16.2025	REVISED -

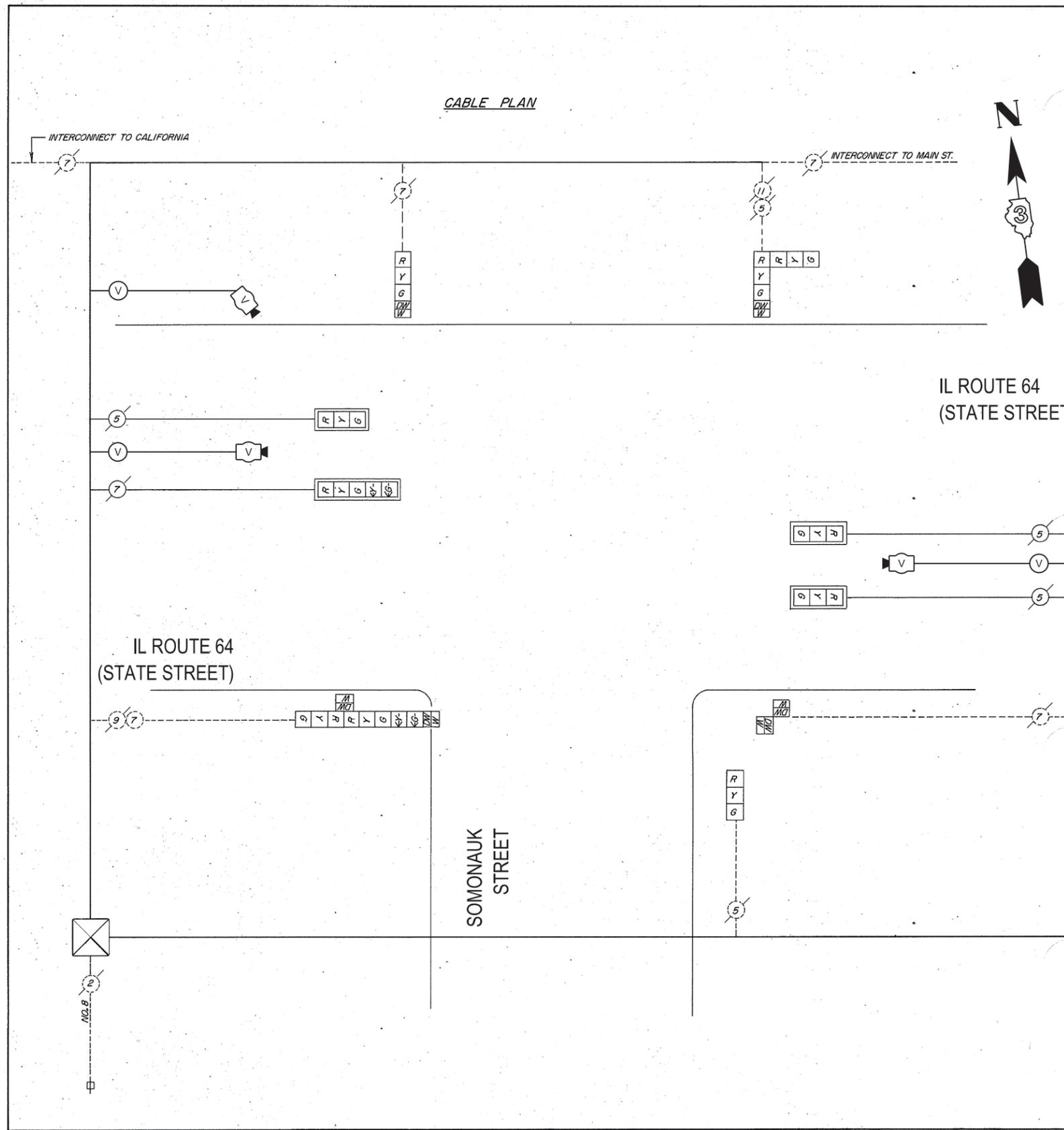
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL IMPROVEMENTS
IL ROUTE 64 & 23 (STATE STREET) AT SOMONAUK STREET

SCALE: N.T.S. SHEET 5 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 5348 5370	SECTION 22-00182-01-TL	COUNTY DEKALB	TOTAL SHEETS 29	SHEET NO. 15
CONTRACT NO. 87864				
ILLINOIS FED. AID PROJECT				

* IOCS - TS				
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 17	*	DE KALB		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



EXISTING SEQUENCE OF OPERATION

PHASE	A		B			C			FLA.	
MOVEMENT	T		T			T				
STREET	INTERVAL		1	2	3	4	5	6	7	8
IL 64 & 23 (STATE ST.) - WESTBOUND	G	G	G	G	Y	R	R	R	R	
IL 64 & 23 (STATE ST.) - EASTBOUND	R	R	G	G	Y	R	R	R	R	
SOMONAUK STREET	R	R	R	R	R	G	G	Y	R	
PEDESTRIANS CROSSING SOMONAUK ST	DW	DW	W	FLA. DW	DW	DW	DW	DW	DW	DARK
PEDESTRIANS CROSSING STATE ST.	DW	DW	DW	DW	DW	W	FLA. DW	DW	DW	DARK

SUMMARY OF QUANTITIES - IL ROUTE 64 (STATE STREET) AT SOMONAUK STREET			
PAY CODE	DESCRIPTION	UNIT	IL ROUTE 64 (STATE STREET) AT SOMONAUK STREET
72000100	SIGN PANEL -TYPE 1	SQ FT	18
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
X1400437	GPS CLOCK SYNC UNIT	EACH	1
X7240195	REMOVE EXISTING SIGN PANEL	EACH	2
X8891001	VIDEO VEHICLE DETECTION SYSTEM	EACH	1

- LEGEND**
- ② EXISTING CONDUCTOR CABLE - REMAIN
 - ⑤ INDICATES NUMBER OF NEW CONDUCTORS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED
 - 12" SIGNAL HEAD WITH OR WITHOUT BACKPLATE
 - PEDESTRIAN HEAD (LOW PROFILE)
 - VIDEO DETECTION

DISTRICT NO. 2 DIXON
 DESIGNED L. D. HILL
 DRAWN L. D. HILL
 CHECKED — DATE 8-90
 SCALE —

MODEL: TS-Cable, State at Somonauk (Sheet)
 FILE NAME: G:\ORD_Proj\6085.900\DeKalb_Signals\CADD Data\Sheets\6085.900_sht-TS-Cable_State at Somonauk.dgn



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PLOT SCALE = 0.16666633" / in.	DRAWN - AMK	REVISED -
PLOT DATE = 5/15/2025	CHECKED - RJH	REVISED -
	DATE - 05.16.2025	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL ROUTE 64 & 23 (STATE STREET) AT SOMONAUK STREET**
 SCALE: N.T.S. SHEET 6 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 5348 5370	SECTION 22-00182-01-TL	COUNTY DEKALB	TOTAL SHEETS 29	SHEET NO. 16
CONTRACT NO. 87864			ILLINOIS FED. AID PROJECT	

DRAWING NUMBER
24

DRAWING NUMBER
24

DRAWING NUMBER
24

CONSTRUCTION NOTES:

1. THE EXISTING PEDESTRIAN PUSHBUTTONS SHALL BE REMOVED AND REPLACED WITH APS BUTTTONS.
2. APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING SIDEWALK.
3. AFTER THE NEW CABINET IS INSTALLED AND CONNECTED TO THE ELECTRICAL SERVICE, THE CONTRACTOR SHALL REMOVE ALL CABLING FOR THE NW AND SW CORNERS FROM THE EXISTING CONDUIT AND REINSTALL IT THROUGH THE PROPOSED CONDUIT TO THE TRAFFIC SIGNAL CABINET. THE CONTRACTOR SHALL REMOVE ALL CABLING FOR THE NE AND SE CORNERS AND INSTALL NEW CABLING FROM THE NEW CABINET TO THE EQUIPMENT. WHILE THE INTERSECTION IS BEING RECABLED IT SHALL NOT BE LEFT DARK OVERNIGHT. THE CONTRACTOR SHALL ENERGIZE THE TRAFFIC SIGNAL IN FULL COLORS WITHIN 15 WORKING DAYS OF FIRST DISCONNECTING SIGNAL CABLING FROM THE EXISTING CABINET.
4. NEW BACKPLATES SHALL BE RETROREFLECTIVE, YELLOW, AND LOUVERED.
5. THE CONTRACTOR SHALL INSTALL NEW VIDEO/RADAR HYBRID DETECTION AS PER MANUFACTURER, VENDOR, AND IDOT DISTRICT 3 SPECIFICATIONS. ALL MATERIALS AND LABOR REQUIRED FOR INSTALLATION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "VIDEO AND RADAR HYBRID DETECTION SYSTEM".
6. SIGNAL HEADS SHALL INCLUDE LENS COVERS AND A 15-YEAR WARRANTY, AS PER THE SPECIAL PROVISION.
7. CONTRACTOR SHALL INSTALL NEW 5' PED POST AT LOCATION OF REMOVED HANDHOLE, WITHIN THE SIDEWALK SIDE CURB.

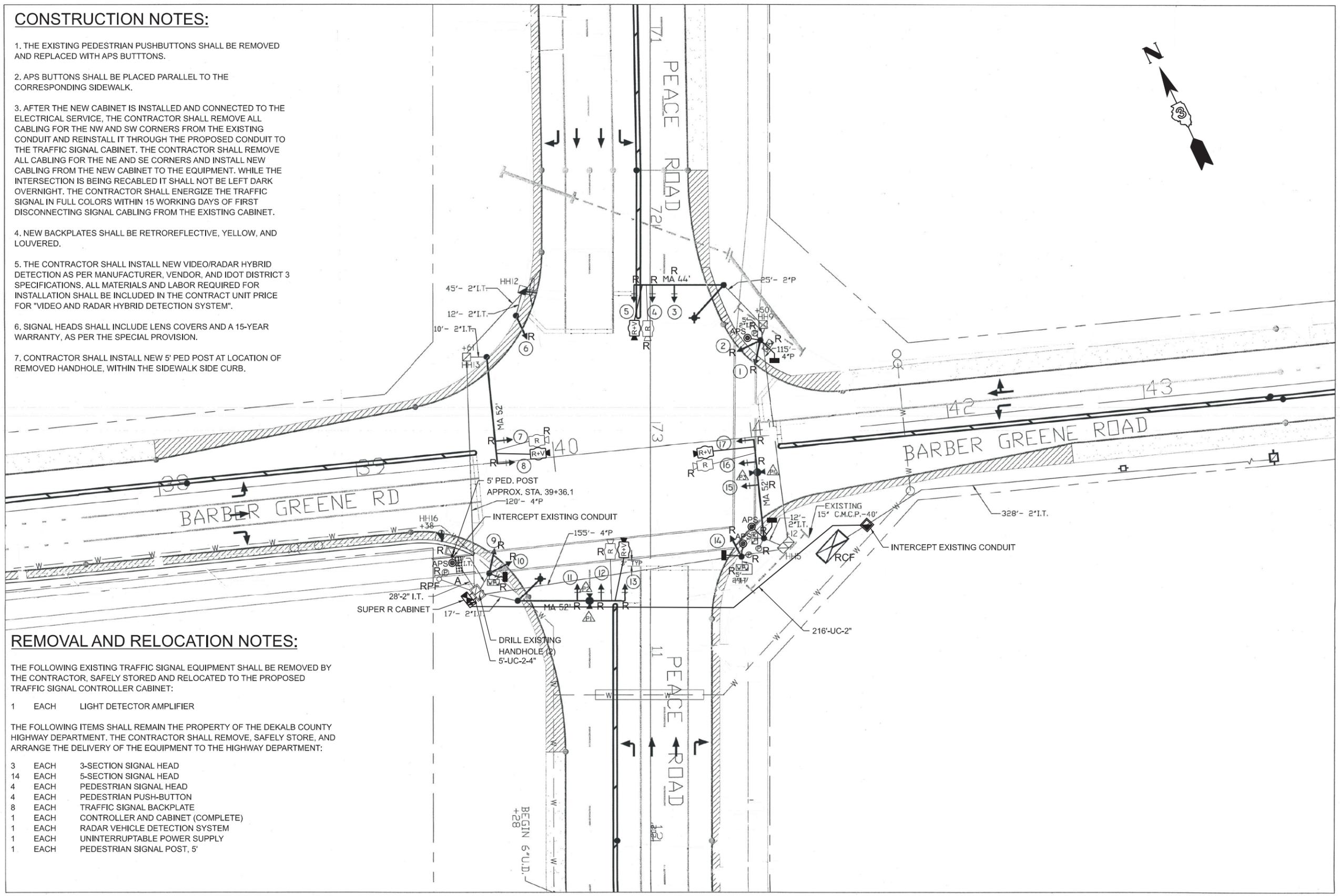
REMOVAL AND RELOCATION NOTES:

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET:

- 1 EACH LIGHT DETECTOR AMPLIFIER

THE FOLLOWING ITEMS SHALL REMAIN THE PROPERTY OF THE DEKALB COUNTY HIGHWAY DEPARTMENT. THE CONTRACTOR SHALL REMOVE, SAFELY STORE, AND ARRANGE THE DELIVERY OF THE EQUIPMENT TO THE HIGHWAY DEPARTMENT:

- 3 EACH 3-SECTION SIGNAL HEAD
- 14 EACH 5-SECTION SIGNAL HEAD
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 1 EACH RADAR VEHICLE DETECTION SYSTEM
- 1 EACH UNINTERRUPTABLE POWER SUPPLY
- 1 EACH PEDESTRIAN SIGNAL POST, 5'



MODEL: TS_Peace at Barber Greene (Sheet)
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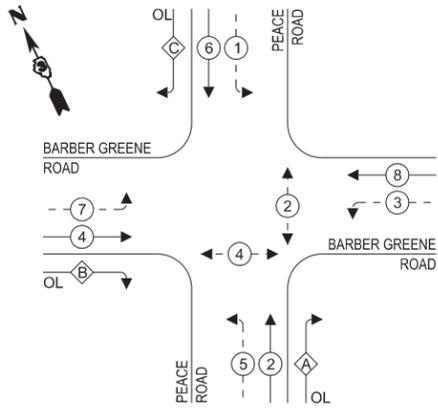
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL IMPROVEMENTS
PEACE ROAD AT BARBER GREENE ROAD**

SCALE: N.T.S. SHEET 9 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 5348 5370	SECTION 22-00182-01-TL	COUNTY DEKALB	TOTAL SHEETS 29	SHEET NO. 19
CONTRACT NO. 87864				
ILLINOIS FED. AID PROJECT				

EXISTING & PROPOSED CONTROLLER SEQUENCE



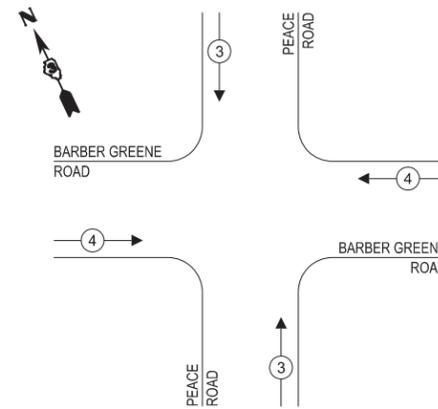
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
B	= 4	+ 5
C	= 6	+ 7

EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

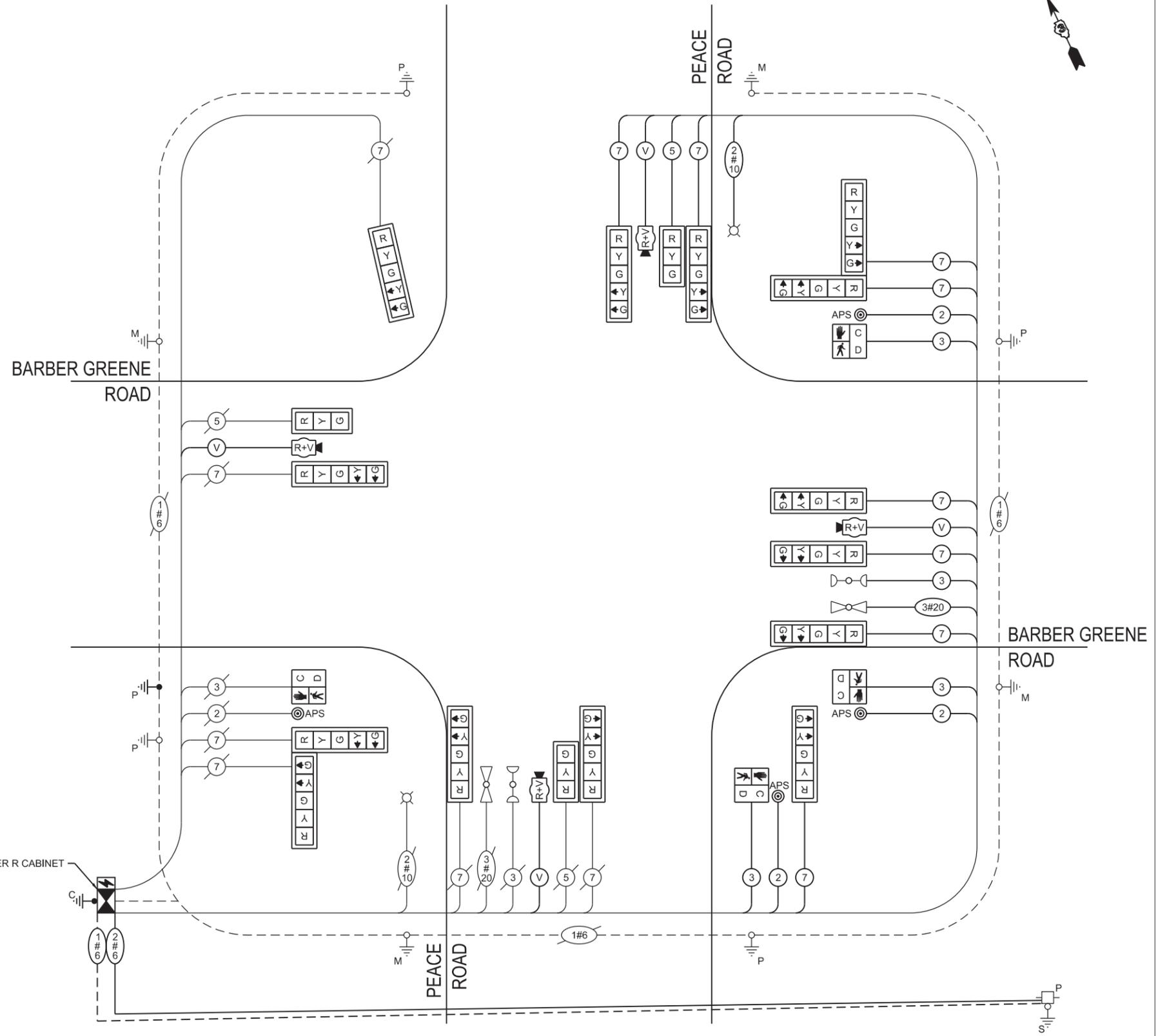
TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE	
SIGNAL HEAD	3-SECTION	3	11	33
	4-SECTION	-	14	-
	5-SECTION	14	13	182
PROGRAMMABLE SIGNAL	3-SECTION	-	22	-
	4-SECTION	-	32	-
	5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	4	15	60	
MASTER CONTROLLER	1	150	150	
UPS	-	100	-	
DETECTION	RADAR	4	20	80
	VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-	
NETWORK SWITCH (II OR III)	-	35	-	
CELLULAR MODEM	-	15	-	
TOTAL FOR UPS =		610		
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 FOR SERVICE =		1215		

ENERGY COSTS TO:

DEKALB COUNTY HIGHWAY DEPARTMENT
1826 Barber Greene Road
Decatur, IL 60115

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPT.
PHONE: (866) 639-3532
COMPANY: COM-ED
ACCOUNT NUMBER: -

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE "YUNEX EAGLE M60 ATC" TO MATCH EXISTING CORRIDOR.



CABLE PLAN
(NOT TO SCALE)

MODEL: TS-Cable_Peace at Barber Greene (Sheet)
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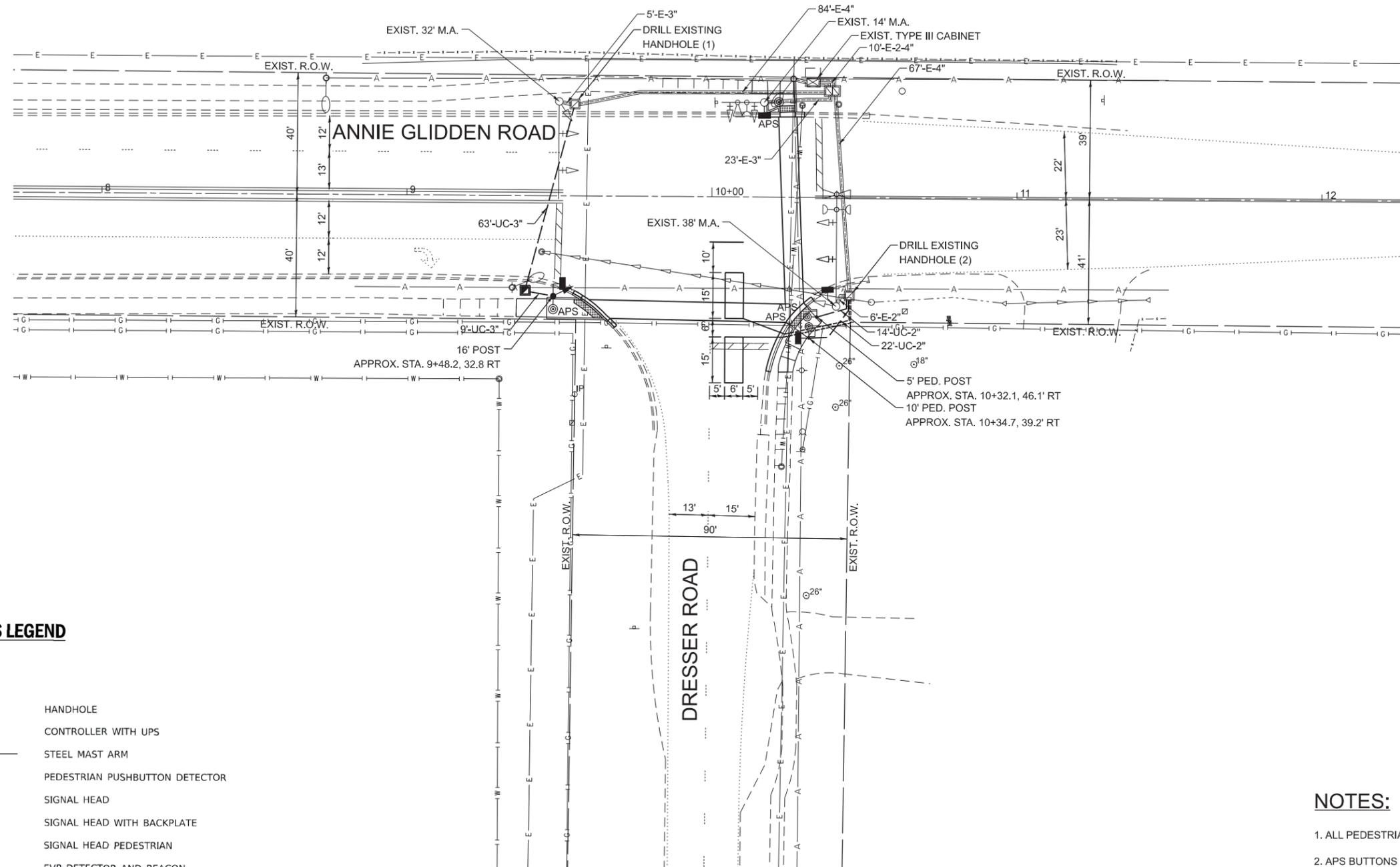
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PLOT DATE = 5/15/2025	CHECKED - RJH	REVISED -
	DATE - 05.16.2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
PEACE ROAD AND BARBER GREENE ROAD

SCALE: N.T.S. SHEET 10 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 5348 5370	SECTION 22-00182-01-TL	COUNTY DEKALB	TOTAL SHEETS 29	SHEET NO. 20
CONTRACT NO. 87864				
ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNALS LEGEND

EXISTING	PROPOSED	
		HANDHOLE
		CONTROLLER WITH UPS
		STEEL MAST ARM
		PEDESTRIAN PUSHBUTTON DETECTOR
		SIGNAL HEAD
		SIGNAL HEAD WITH BACKPLATE
		SIGNAL HEAD PEDESTRIAN
		EVP DETECTOR AND BEACON
		SIGNAL POST
		CONDUIT
		VIDEO DETECTION
	R	REMOVE ITEM
	RL	RELOCATE ITEM
	A	ABANDON ITEM
	RMF	MAST ARM POLE AND FOUNDATION TO BE REMOVED
	RPF	SIGNAL POST AND FOUNDATION TO BE REMOVED
	APS	ACCESSIBLE PEDESTRIAN PUSH BUTTON

NOTES:

- ALL PEDESTRIAN PUSHBUTTONS SHALL BE APS.
- APS BUTTONS SHALL BE PLACED PARALLEL TO THE CORRESPONDING SIDEWALK.
- THIS LOCATION HAS BEEN DESIGNED TO BE ADA COMPLIANT, ANY DEVIATION FROM THIS PLAN FOR THE POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE ADA COMPLIANCE.

MODEL: TS, Annie Glidden at Dresser [Sheet]
FILE NAME: C:\ORD_Projects\6085.900\DeKalb_Signals\CADD Data\Sheets\6085.900_sht-TS, Annie Glidden at Dresser.dgn



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	DRAWN - AMK	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

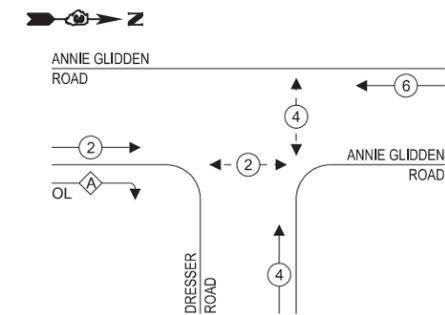
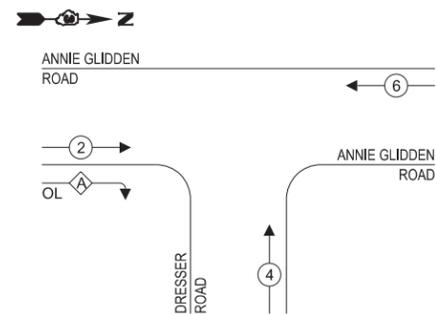
**TRAFFIC SIGNAL IMPROVEMENTS
ANNIE GLIDDEN ROAD AT DRESSER ROAD**

SCALE: 1"=20' SHEET 12 OF 14 SHEETS STA. TO STA.

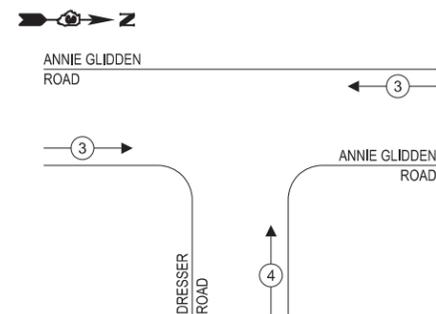
F.A.P. RTE. 5348 5370	SECTION 22-00182-01-TL	COUNTY DEKALB	TOTAL SHEETS 29	SHEET NO. 22
CONTRACT NO. 87864				
ILLINOIS FED. AID PROJECT				

EXISTING CONTROLLER SEQUENCE

PROPOSED CONTROLLER SEQUENCE



EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER = PERMISSIVE PHASE + PROTECTED PHASE

A = 2 + 4

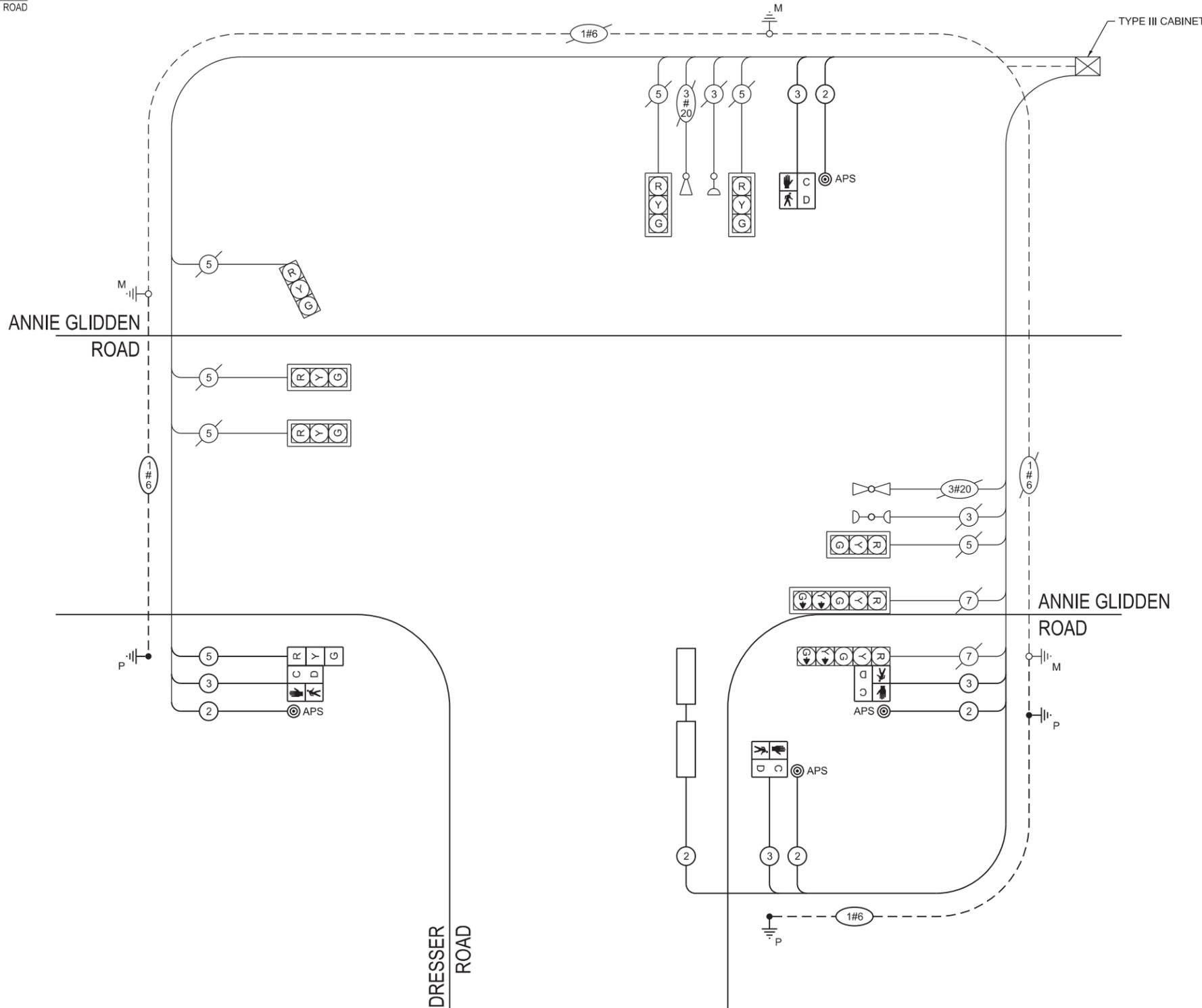
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	7	11
	4-SECTION	-	14
	5-SECTION	2	13
PROGRAMMABLE SIGNAL	3-SECTION	-	22
	4-SECTION	-	32
	5-SECTION	-	28
PEDESTRIAN SIGNAL CONTROLLER	4	15	60
MASTER CONTROLLER	1	150	150
UPS	-	100	-
DETECTION	-	25	-
	RADAR	-	20
	VIDEO	-	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH (II OR III)	-	35	-
CELLULAR MODEM	-	15	-
TOTAL FOR UPS =		-	-
UPS CHARGING	-	225	-
BATTERY HEATER MAT	-	180	-
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL FOR SERVICE =		513	

ENERGY COSTS TO:

CITY OF DEKALB PUBLIC WORKS DEPARTMENT
1216 Market Street
Dekalb, IL 60115

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPT.
PHONE: (866) 639-3532
COMPANY: COM-ED
ACCOUNT NUMBER: -



CABLE PLAN
(NOT TO SCALE)

MODEL: TS_Cable-Annie Glidden at Dresser (Sheet)
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PLOT DATE = 5/15/2025	CHECKED - RJH	REVISED -
	DATE - 05.16.2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
ANNIE GLIDDEN ROAD AT DRESSER ROAD

SCALE: N.T.S. SHEET 13 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 5348 5370	SECTION 22-00182-01-TL	COUNTY DEKALB	TOTAL SHEETS 29	SHEET NO. 23
CONTRACT NO. 87864				
ILLINOIS FED. AID PROJECT				

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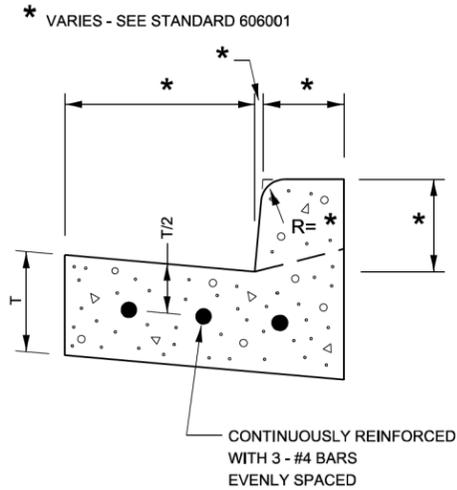
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PLOT DATE = 6/9/2025	DATE - 05.16.2025	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES ANNIE GLIDDEN ROAD AT DRESSER ROAD	
SCALE: N.T.S.	SHEET 14 OF 14 SHEETS STA. TO STA.

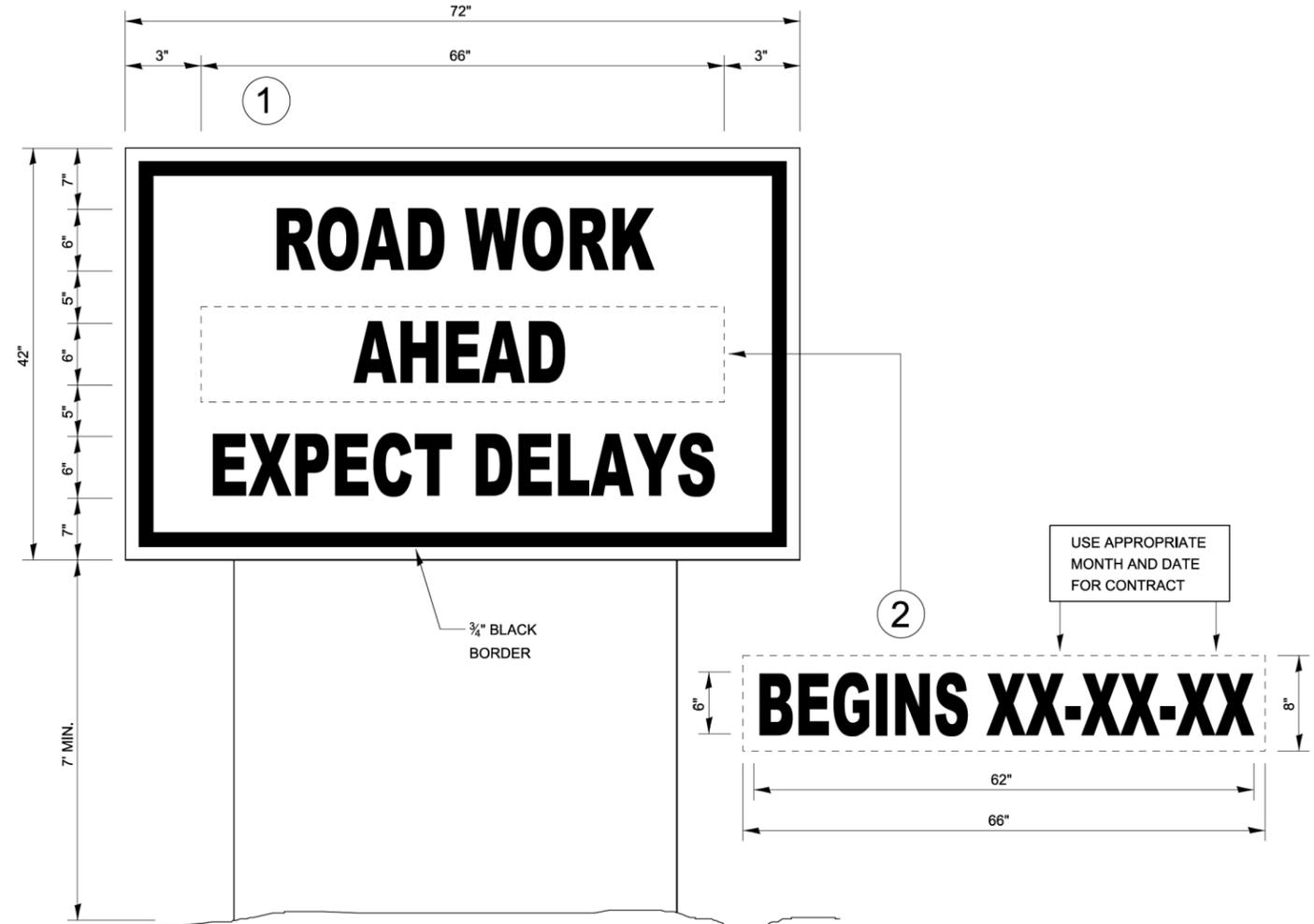
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CONTRACT NO. 87864			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES - ANNIE GLIDDEN ROAD AT DRESSER ROAD			
PAY CODE	DESCRIPTION	UNIT	ANNIE GLIDDEN ROAD AT DRESSER ROAD
72000100	SIGN PANEL - TYPE 1	SQ FT	15
72000200	SIGN PANEL - TYPE 2	SQ FT	12
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	36
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	72
81400100	HANDHOLE	EACH	1
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	537
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	557
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	217
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	132
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4
87900200	DRILL EXISTING HANDHOLE	EACH	3
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4
88600100	DETECTOR LOOP, TYPE I	FOOT	108
89502200	MODIFY EXISTING CONTROLLER	EACH	1
X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
X8860100	LOOP DETECTOR TESTING	EACH	1
Z0073509	PERMANENT TRAFFIC SIGNAL TIMING	EACH	1



**REINFORCEMENT DETAIL
FOR
COMBINATION CONCRETE
CURB AND GUTTER**

606-4



TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

720-8

MODEL: D3 Detail 606-4 [Sheet]
FILE NAME: G:\CRD_Projects\606-4\000 Detail_Signals\CADD_Sheets\606-4-01-sh-detail.dgn



USER NAME = anthony.grunstad	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50,000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/6/23	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT DISTRICT 3 DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00182-01-TL	DEKALB	29	25
CONTRACT NO. 87864			ILLINOIS FED. AID PROJECT	

APS PUSHBUTTON PLACEMENT DETAILS

APS PUSHBUTTON SIGNING OPTIONS

FIGURE 1: APS PUSHBUTTON LOCATION AREAS - INTERSECTION CORNER

FIGURE 2: APS PUSHBUTTON LOCATION AREAS - CORNER ISLAND

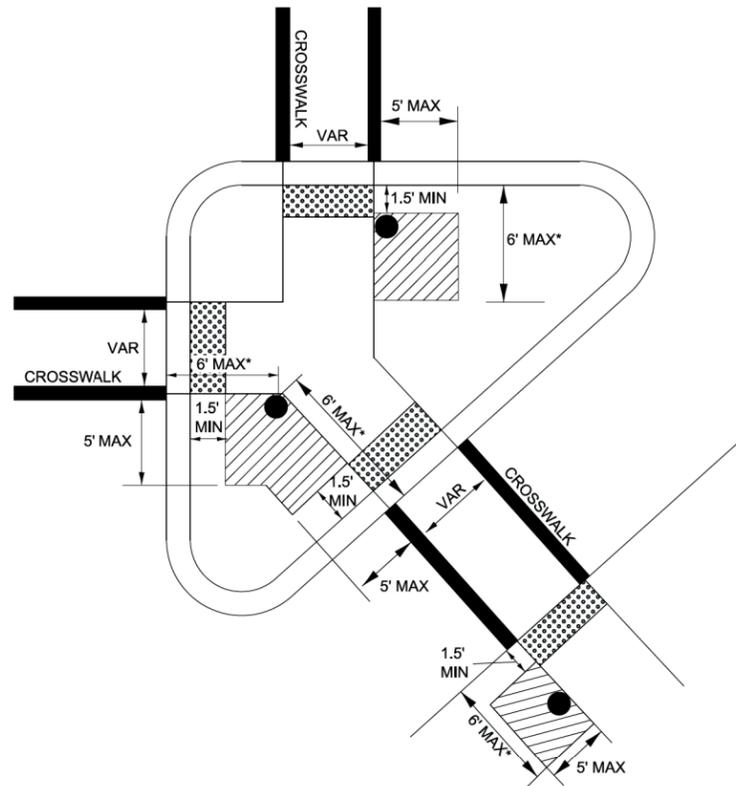
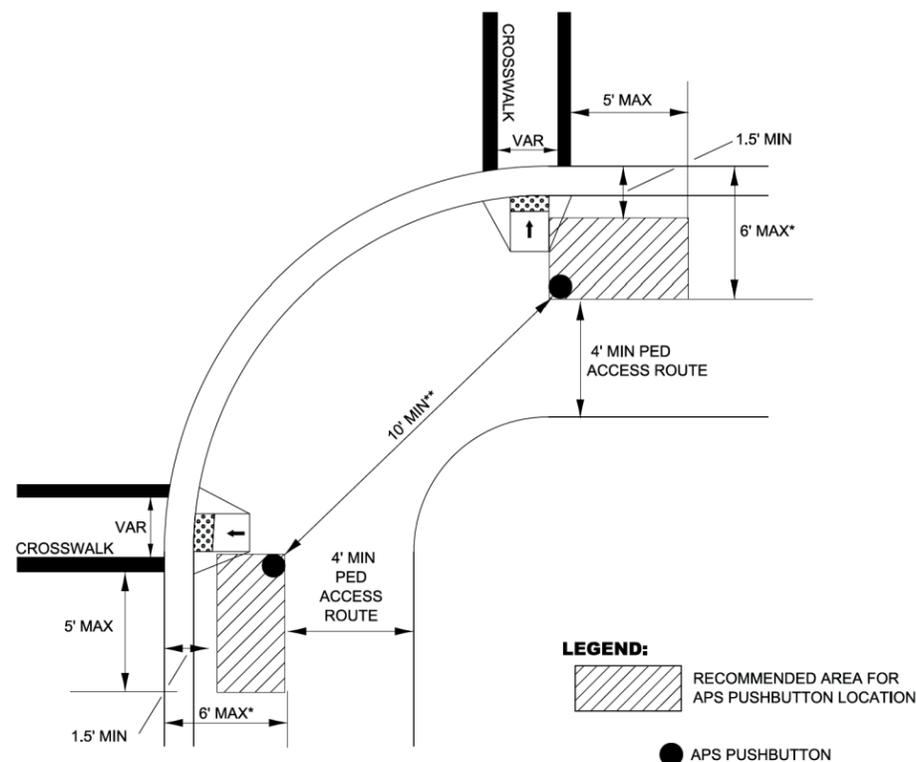


FIGURE 1 NOTES:

APS PUSHBUTTON SHOULD NOT BE GREATER THAN 5 FT. FROM THE OUTSIDE EDGE OF THE MARKED CROSSWALK FARTHEST FROM THE INTERSECTION.
 APS PUSHBUTTON SHALL NOT BE FARTHER FROM THE CROSSWALK THAN THE STOP LINE, IF PRESENT.

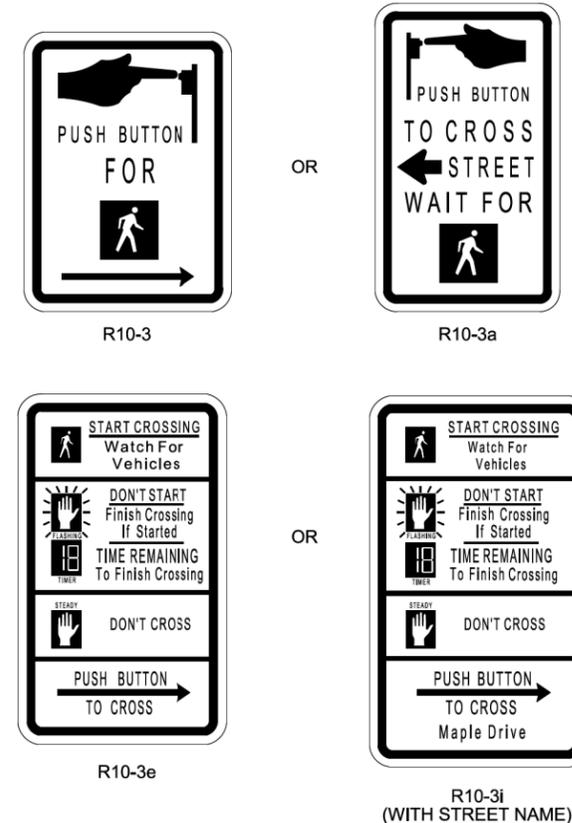
FIGURE 2 NOTES:

LARGER ISLANDS MAY REQUIRE THE USE OF THREE APS PUSHBUTTONS WITHIN THE ISLAND IN ORDER TO MEET PLACEMENT RECOMMENDATIONS.
 APS PUSHBUTTONS SHALL NOT BE GREATER THAN 5-FT FROM THE OUTSIDE EDGE OF THE MARKED CROSSWALK FARTHEST FROM THE INTERSECTION.
 APS PUSHBUTTON SHALL NOT BE FARTHER FROM THE CROSSWALK THAN THE STOP LINE, IF PRESENT.

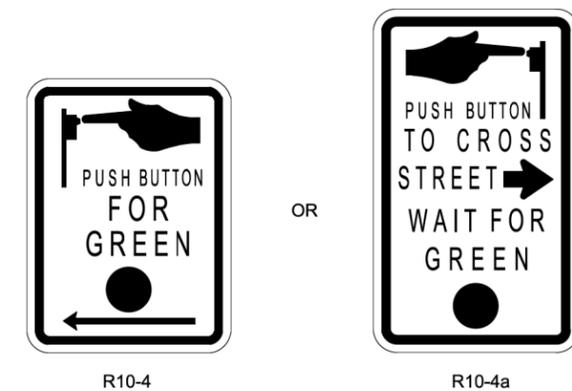
GENERAL NOTES

- ⊕ PUSHBUTTONS SHALL BE LOCATED BETWEEN 1.5' TO 6' BACK FROM EDGE OF CURB, SHOULDER OR PAVEMENT. WHERE THERE ARE CONSTRAINTS TO MAKE IT IMPRACTICAL TO INSTALL WITHIN THIS RANGE, THE PUSHBUTTON SHOULD NOT BE FURTHER THAN 10' FROM EDGE OF CURB, SHOULDER OR PAVEMENT.
 - ⊛* PUSHBUTTONS LOCATED IN THE SAME CORNER OF INTERSECTION SHALL BE 10-FT APART. WHERE PHYSICAL CONSTRAINTS MAKE IT IMPRACTICAL TO PROVIDE THIS SEPARATION, THEY MAY BE PLACED CLOSED TOGETHER OR MOUNTED ON THE SAME POST. IN THIS CASE, EACH APS PUSHBUTTON SHALL BE PROVIDED WITH A SPEECH WALK MESSAGE FOR THE WALKING PERSON INDICATION AND A SPEECH PUSHBUTTON INFORMATION MESSAGE.
- VERTICAL HEIGHT OF THE APS PUSHBUTTONS SHALL BE LOCATED BETWEEN 30" TO 42" (36" PREFERRED) ABOVE THE PATHWAY ELEVATION. SEE HWY STND 876001.
- PUSHBUTTONS SHALL BE LOCATED WITHIN TEN (10) INCHES OF THE PEDESTRIAN ACCESS ROUTE. WHEN REQUIRED, EXTENSIONS SHALL BE INSTALLED TO COMPLY WITH THIS REQUIREMENT. THE COST OF INSTALLING THE EXTENSION SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNAL.
- SEE ACCESSIBLE PEDESTRIAN SIGNALS (BDE) SPECIAL PROVISION FOR REQUIREMENTS NOT SHOWN IN THIS DETAIL.
- FOUNDATIONS FOR PEDESTRIAN POSTS SHALL NOT PROTRUDE MORE THAN 4 INCHES ABOVE THE FINISHED GRADE / SIDEWALK
- APS PUSHBUTTON INSTALLATIONS AT LOCATIONS WITH RAILROAD INTERCONNECTION OR EMERGENCY VEHICLE PREEMPTION SHALL INCLUDE AN ADDITIONAL SPEECH MESSAGE STATING "WALK TIME SHORTENED WHEN TRAIN APPROACHES" OR "WALK TIME SHORTENED WHEN EMERGENCY VEHICLE APPROACHES" TO NOTIFY PEDESTRIANS OF TRUNCATED CLEARANCE TIMES DUE TO PREEMPTION".

AT INTERSECTIONS WITH PEDESTRIAN SIGNALS



AT INTERSECTIONS WHERE PEDESTRIAN SIGNALS ARE NOT USED & PEDESTRIANS PROCEED ON GREEN SIGNAL INDICATION



DESIGNER NOTE:

- *INCLUDE ON DETAIL NEW INSTALLATIONS WHERE APS PUSHBUTTONS ARE NEEDED.
- *ADD HIGHWAY STANDARD 876001.
- *ADD ACCESSIBLE PEDESTRIAN SIGNALS SPECIAL PROVISION (BDE) AND PAY ITEM ACCESSIBLE PEDESTRIAN SIGNALS (EACH).
- *ADD PEDESTRIAN PUSH BUTTON POST PAY ITEM (EACH)
- *CONSULT WITH TRAFFIC SIGNALS SECTION FOR CONCURRENCE ON PED BUTTONS LOCATIONS & ADDITIONAL ELECTRICAL PAY ITEMS, PED HEADS, ETC. AS NEEDED.

888-1

MODEL: D:\Detail\888-1 [Sheet].dgn
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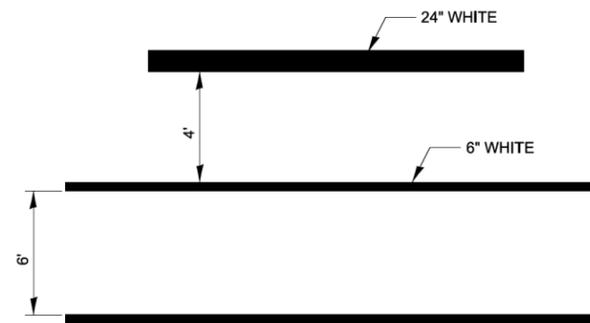
USER NAME = anthony.grunstad	DESIGNED - _____	REVISED - _____
PLOT SCALE = 50,000' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 10/6/23	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ACCESSIBLE PEDESTRIAN SIGNALS

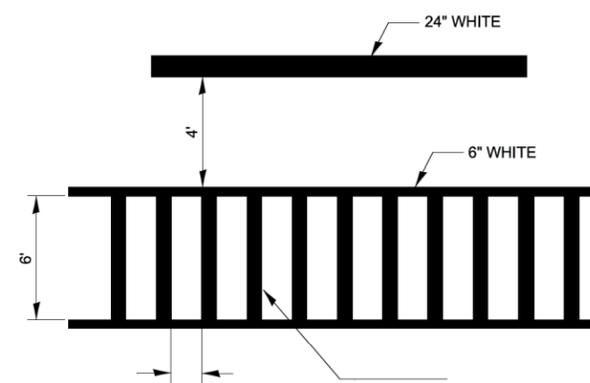
SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00182-01-TL	DEKALB	29	26
ILLINOIS FED. AID PROJECT			CONTRACT NO. 87864	



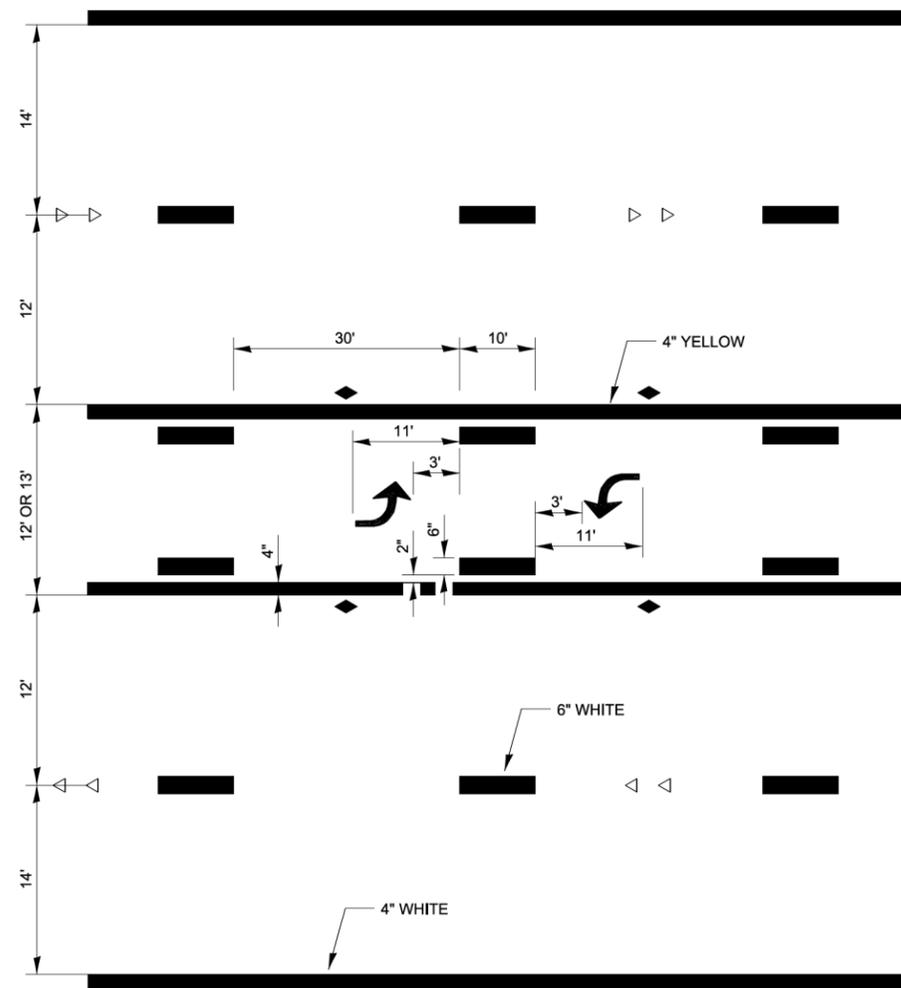
TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS

780-3
OPTION 1



TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS

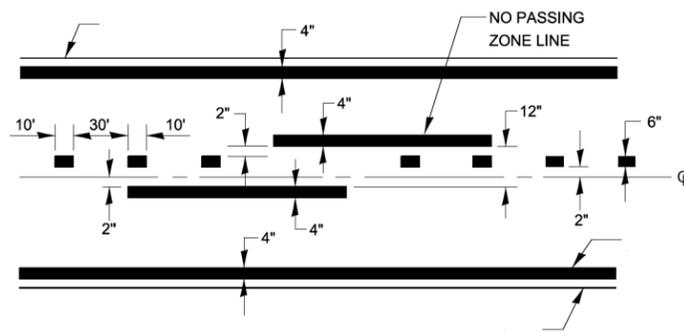
780-3
OPTION 2



TYPICAL APPLICATION @ BI-DIRECTIONAL LEFT TURN LANE

780-2

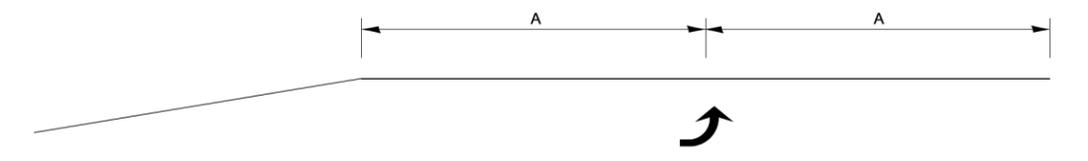
DESIGNER NOTE:
MINIMUM 2 SETS OF ARROWS, ADDITIONAL SETS AT 200'-300' APART.



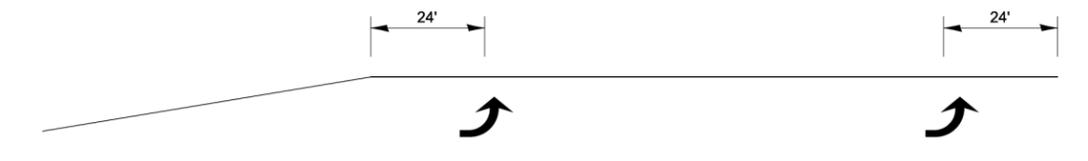
CENTERLINE & NO PASSING ZONE LINES - YELLOW

PAVEMENT MARKING

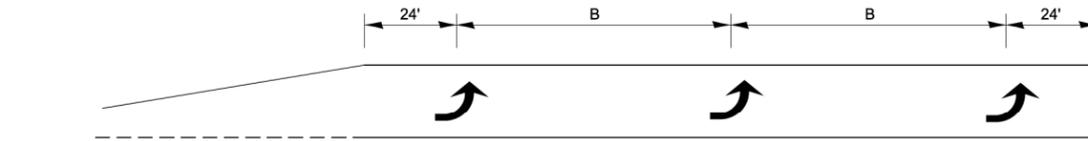
780-8



99' AND UNDER



100' TO 149'



150' AND LONGER

TYPICAL PLACEMENT OF ARROWS IN TURN LANES

780-10

URBAN PAVEMENT MARKING

MODEL: D3 Detail Urban Pavement Marking (Sheet)
FILE NAME: G:\ORD_Projects\6085.900\DeKalb_Signals\CADD_Data\Sheets\6085.900-sh-detaills.dgn



USER NAME = anthony.grunstad	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50,000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/6/23	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

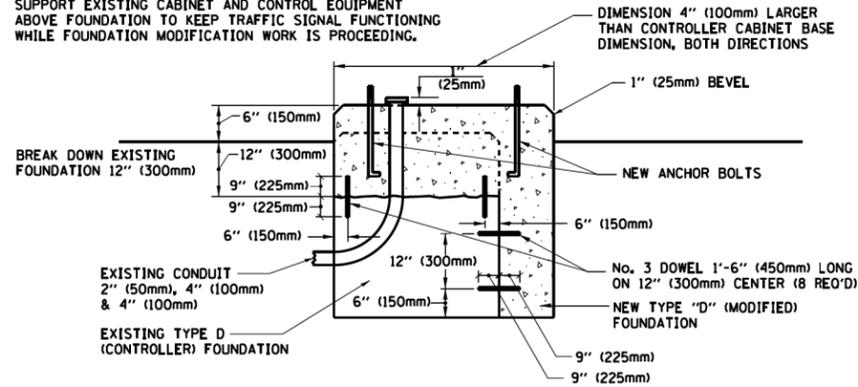
URBAN PAVEMENT MARKING

SCALE: SHEET OF SHEETS STA. TO STA.

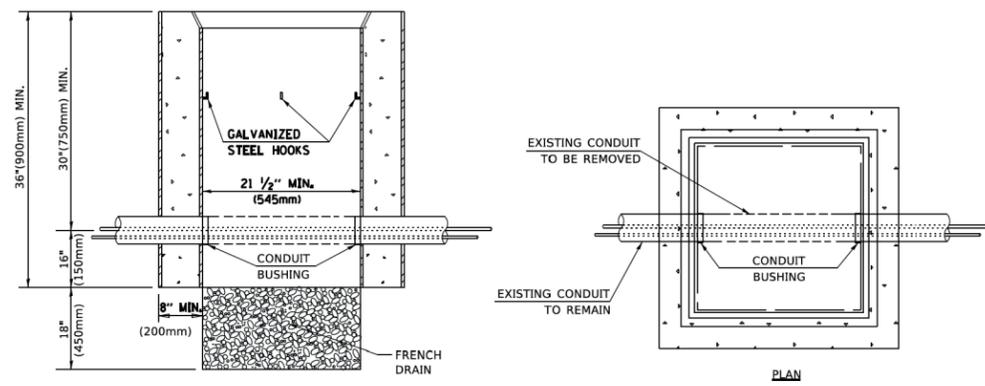
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00182-01-TL	DEKALB	29	27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 87864	

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

- HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- 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: Additional Details (Sheet)
FILE NAME: G:\CRD_Projects\6085.900_Dekalb_Signals\CADD_Data\Sheets\6085.900-sh-detaills.dgn

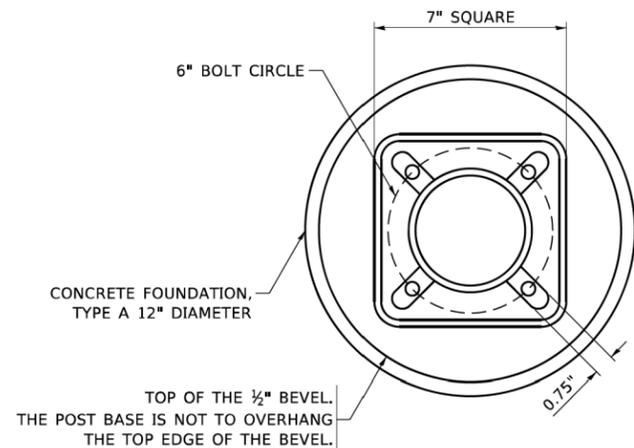
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	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 5/13/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADDITIONAL DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

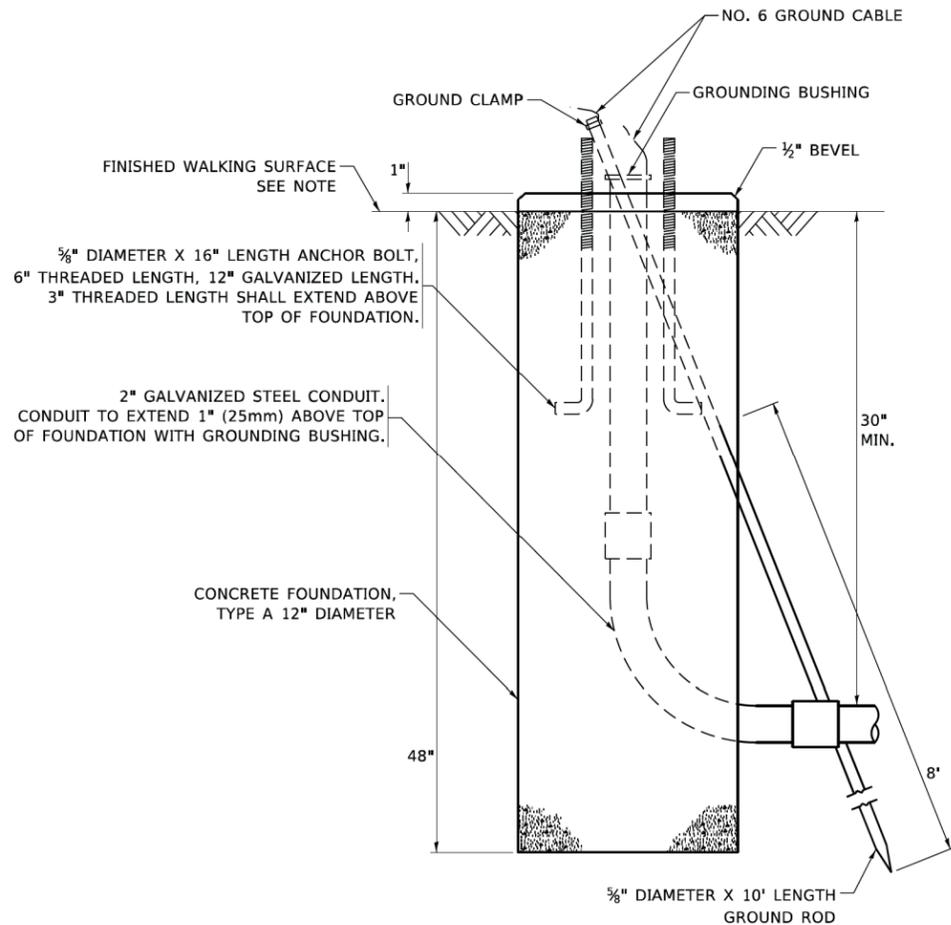
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00182-01-TL	DEKALB	29	28
CONTRACT NO. 87864				
		ILLINOIS	FED. AID PROJECT	



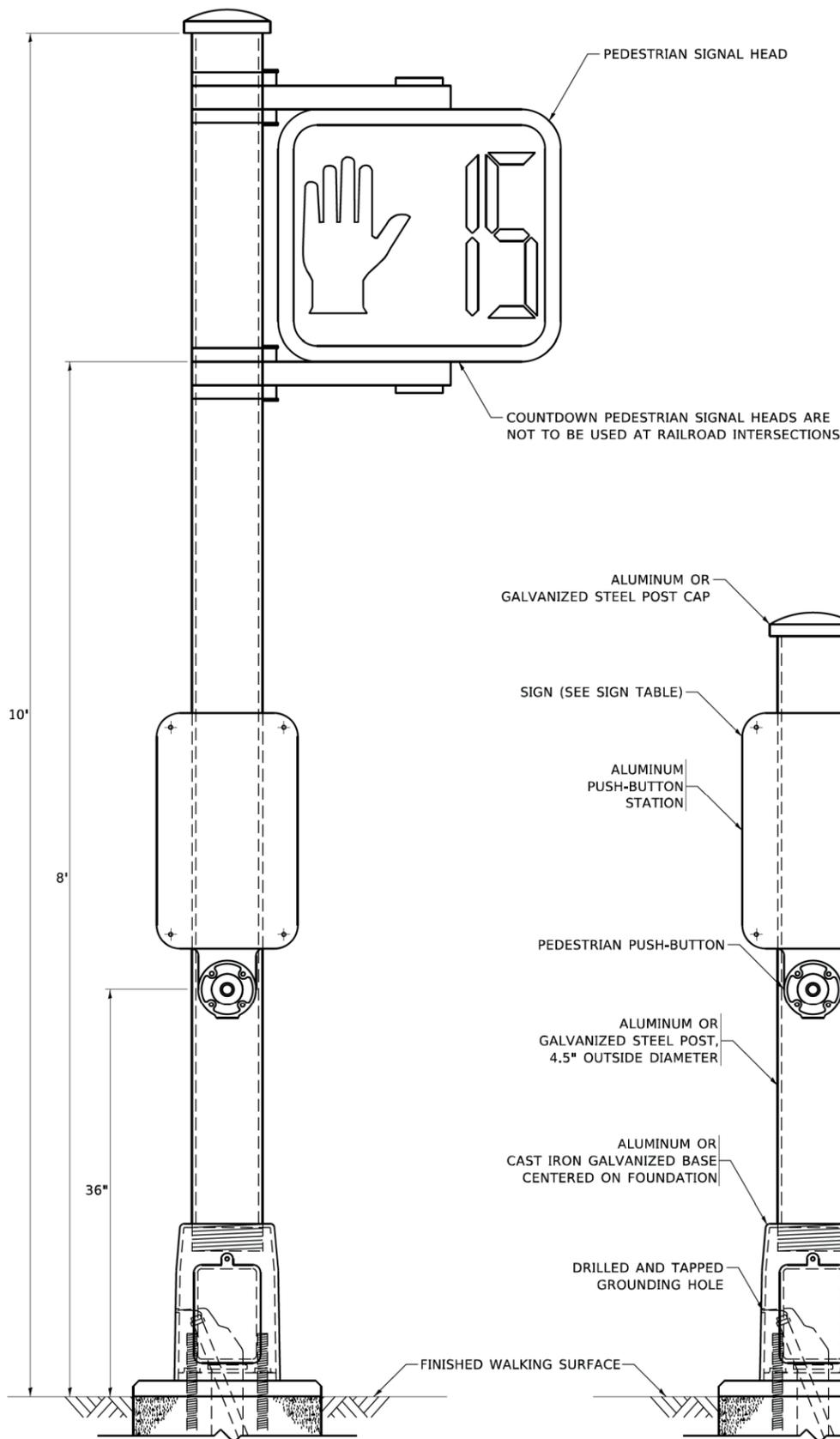
BOLT PATTERN

NOTE:

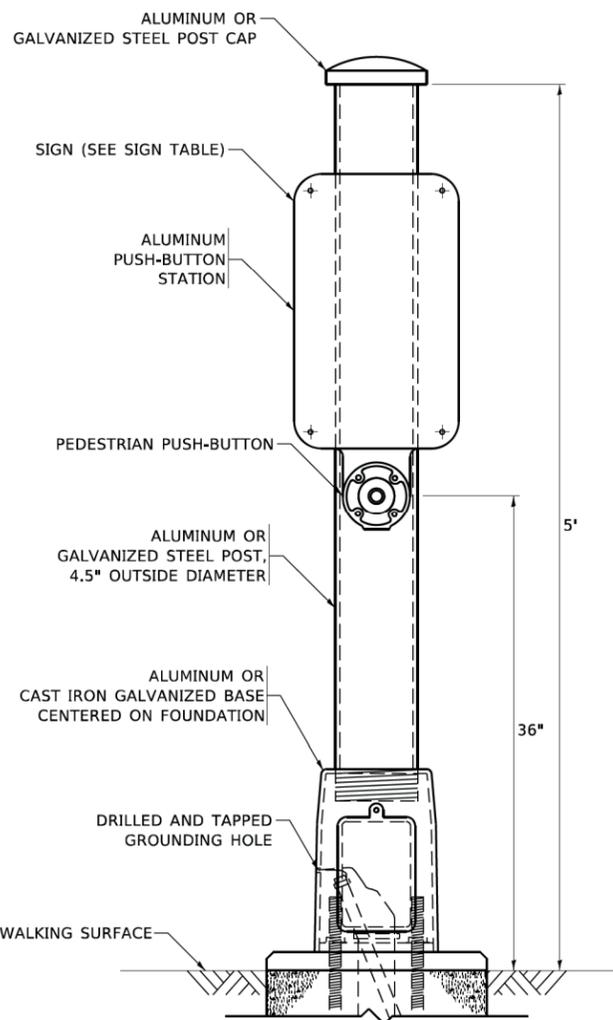
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



**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: Additional Details-1 (Sheet)
FILE NAME: G:\CRD_Projects\6085.900_Dekalb_Signals\CADD Data\Sheets\6085.900-shh-details.dgn

USER NAME = akopel	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED -
PLOT DATE = 5/13/2025	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADDITIONAL DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00182-01-TL	DEKALB	29	29
CONTRACT NO. 87864				
ILLINOIS FED. AID PROJECT				