

08-01-2025 LETTING ITEM 063

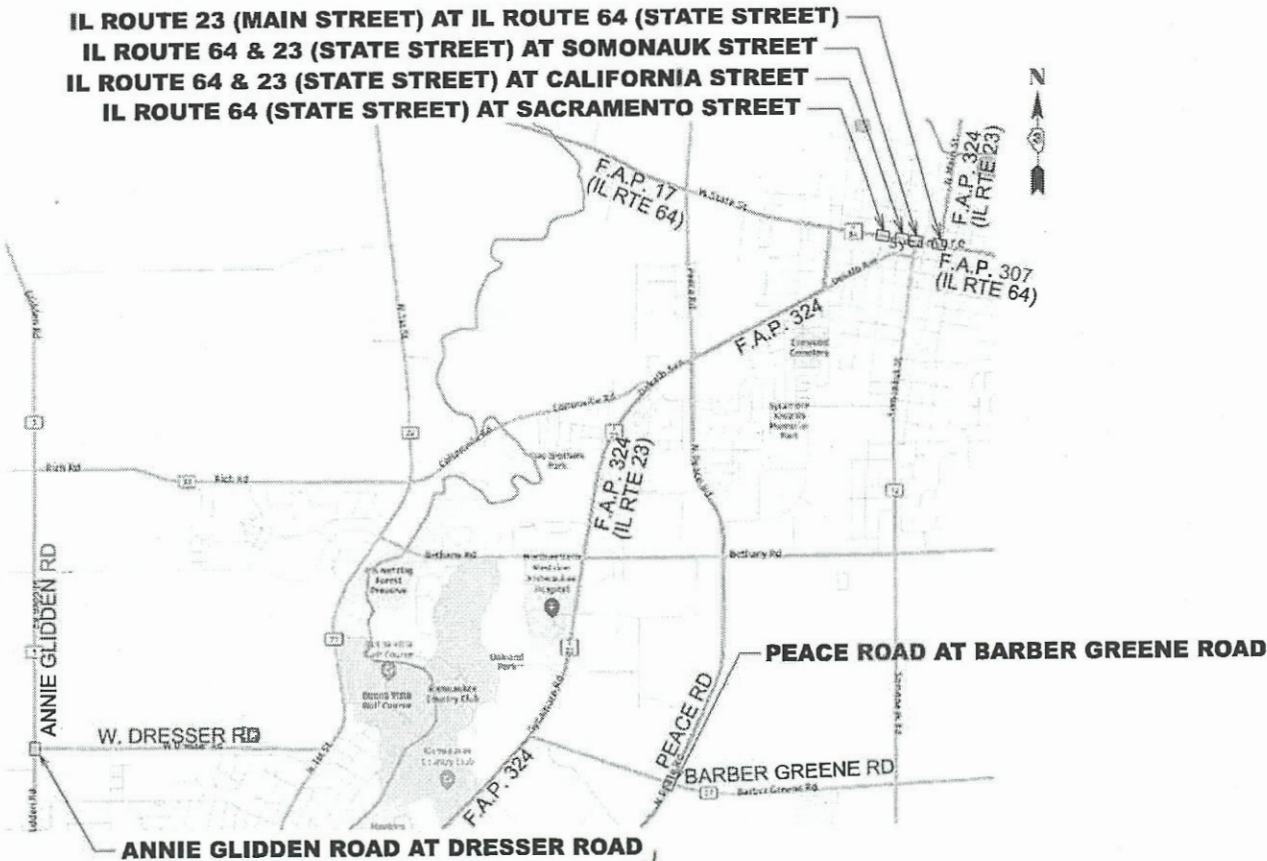
FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
**PROPOSED  
HIGHWAY PLANS**

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



LOCATION MAP  
SCALE: N.T.S.

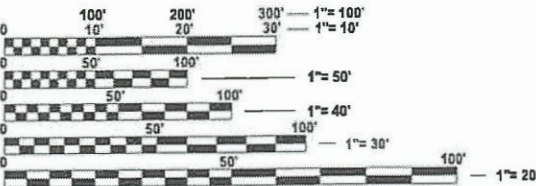
**GHA** GEWALT HAMILTON  
ASSOCIATES, INC.

SIGNED: ROSS J. HASEMAN, P.E., PTOE

DATE: MAY 16, 2025 EXP. 11/30/2025



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



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

CONTRACT NO. 87864

|   |                     |      |
|---|---------------------|------|
| APPROVED  | <i>May 16, 2025</i> | 2025 |
| DEKALB COUNTY ENGINEER                          |                     |      |
| PASSED  | <i>May 30, 2025</i> | 2025 |
| DISTRICT 3 ENGINEER OF LOCAL ROADS AND STREETS  |                     |      |
| RELEASING FOR BID<br>BASED ON LIMITED<br>REVIEW | <i>May 30, 2025</i> | 2025 |
| REGIONAL ENGINEER                               |                     |      |

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

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

1. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

2. 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.

3. 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".

4. 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.

5. 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.

6. 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.

7. 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  |                    |

8. ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE.

9. 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.

10. 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.

11. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT ATA GREAT THAN 2' MINIMUM DEPTH TO AVOID OBSTUCLES SUCH AS UNDEGROUND UTILITIES.

12. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.

13. 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.

14. ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED, CABLES SHALL BE NEATLY WOUND IN HANDHOLES, CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.

15. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.

16. ALL GROUNDING MATERIALS FOR CONCRETE FOUNDATIONS SHALL REFER TO SECTION 807 OF THE STANDARD SPECIFICATIONS.

17. 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<br>INCIDENTAL        |
| BINDER GRADE (PG):                      | PG 64-22                 |
| DESIGN AIR VOIDS:                       | 4% @ N50                 |
| MIXTURE COMPOSITION (MIXTURE GRADATION) | IL 9.5                   |
| FRICTION 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                       |

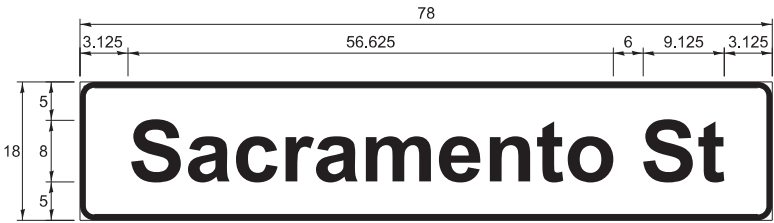
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|   |                              |                   |           |   |   |         |             |                    |                |                           |                 |              |
|---|------------------------------|-------------------|-----------|---|---|---------|-------------|--------------------|----------------|---------------------------|-----------------|--------------|
|  | USER NAME = zwallsten        | DESIGNED - RJH    | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | INDEX OF SHEETS, LIST OF APPLICABLE STANDARDS, AND<br>GENERAL NOTES - TRAFFIC SIGNAL IMPROVEMENTS |         |             | F.A.P.<br>RTE.     | SECTION        | COUNTY                    | TOTAL<br>SHEETS | SHEET<br>NO. |
|   |                              | DRAWN - AMK       | REVISED - |   |   |         |             | VAR.               | 22-00182-01-TL | DEKALB                    | 29              | 2            |
|   | PLOT SCALE = 0.16666633"/In. | CHECKED - RJH     | REVISED - |   |   |         |             | CONTRACT NO. 87864 |                |                           |                 |              |
|   | PLOT DATE = 5/16/2025        | DATE - 05.16.2025 | REVISED - |   | SCALE: N.T.S.   | SHEET 1 | OF 1 SHEETS | STA.               | TO STA.        | ILLINOIS FED. AID PROJECT |                 |              |

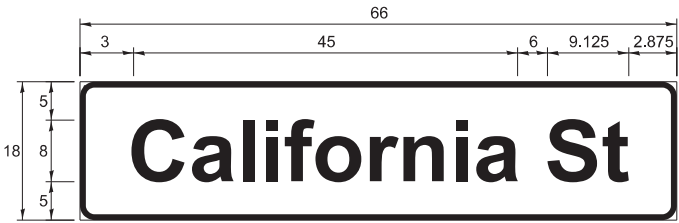


SIGN PANEL - TYPE 1 OR TYPE 2

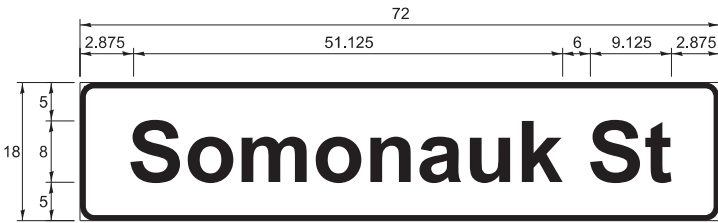
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



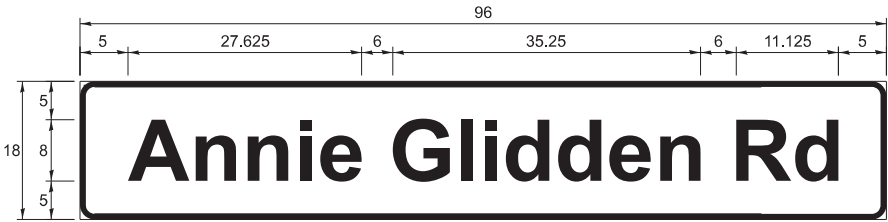
| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| D             | 9.75         | 2               | ZZ            | 2             |



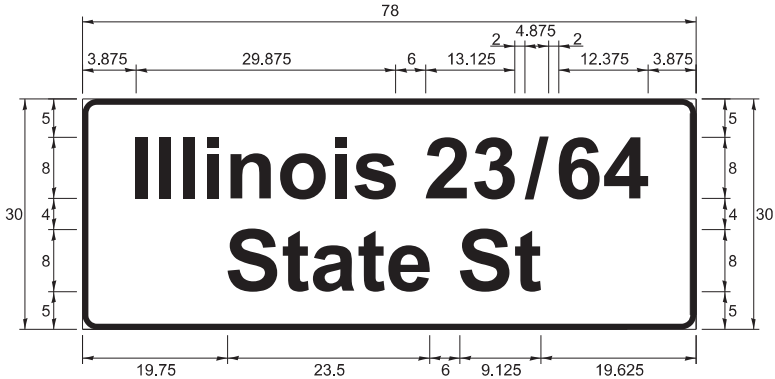
| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| D             | 8.25         | 1               | ZZ            | 2             |



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



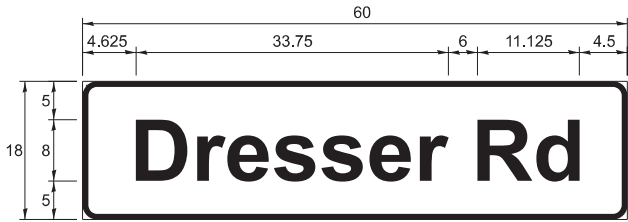
| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| D             | 12           | 2               | ZZ            | 1             |



| 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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|  |                                | DRAWN - AMK       | 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

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<br>(STATE STREET)<br>AT<br>SACRAMENTO STREET | IL ROUTE 23-64<br>(STATE STREET)<br>AT<br>CALIFORNIA STREET | IL ROUTE 23-64<br>(STATE STREET)<br>AT SOMONAUK<br>STREET | IL ROUTE 64<br>(STATE STREET)<br>AT IL ROUTE 23<br>(MAIN STREET) | PEACE ROAD<br>AT<br>BARBER GREENE<br>ROAD | ANNIE GLIDDEN<br>ROAD<br>AT<br>DRESSER ROAD |
|-----------------------|--|--------|-------------------|--|---|---|---|--|---|---|
| * CODE NO.            | ITEM   | UNIT   | TOTAL<br>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

MODEL: SQQ-01 [Show]  
FILE NAME: G:\ORD - Projects\6035.900 Detail Signal\CADD Data\Sheets\6035.900-01-SQQ.dgn

|  |                                |                   |           |   |  |  |  |                           |                |        |                 |              |
|--|--------------------------------|-------------------|-----------|---|--|--|--|---------------------------|----------------|--------|-----------------|--------------|
|  | USER NAME = zkopel             | DESIGNED - RJH    | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES<br>TRAFFIC SIGNAL IMPROVEMENTS - VARIOUS LOCATIONS |  |  | F.A.P.<br>RTE.            | SECTION        | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|  | PLOT SCALE = 0.16666633" / in. | DRAWN - ZCW       | REVISED - |   |  |  |  | VAR.                      | 22-00182-01-TL | DEKALB | 29              | 4            |
|  | PLOT DATE = 5/15/2025          | CHECKED - RJH     | REVISED - |   | SCALE: N.T.S.  |  |  | CONTRACT NO. 87864        |                |        |                 |              |
|  |                                | DATE - 05.16.2025 | REVISED - |   | SHEET 1 OF 5 SHEETS STA. TO STA.   |  |  | ILLINOIS FED. AID PROJECT |                |        |                 |              |



| SUMMARY OF QUANTITIES |   |       |                   |  | IL ROUTE 23-64<br>(STATE STREET)<br>AT<br>SACRAMENTO STREET | IL ROUTE 23-64<br>(STATE STREET)<br>AT<br>CALIFORNIA STREET | IL ROUTE 23-64<br>(STATE STREET)<br>AT SOMONAUK<br>STREET | IL ROUTE 64<br>(STATE STREET)<br>AT IL ROUTE 23<br>(MAIN STREET) | PEACE ROAD<br>AT<br>BARBER GREENE<br>ROAD | ANNIE GLIDDEN<br>ROAD<br>AT<br>DRESSER ROAD |
|-----------------------|---|-------|-------------------|--|---|---|---|--|---|---|
| * CODE NO.            | ITEM  | UNIT  | TOTAL<br>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

MODEL: SOQ-02 [Sheet]  
FILE NAME: C:\ORD Projects\6035.500 Dekalb Signal\CADD Data\Sheets\6035.900-sht-SOQ.dgn

|  |                                |                   |           |   |  |  |  |  |                             |                |        |                 |              |
|--|--------------------------------|-------------------|-----------|---|--|--|--|--|-----------------------------|----------------|--------|-----------------|--------------|
|  | USER NAME = akopei             | DESIGNED - RJH    | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES<br>TRAFFIC SIGNAL IMPROVEMENTS - VARIOUS LOCATIONS |  |  |  | F.A.P.<br>RTE.              | SECTION        | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|  | PLOT SCALE = 0.16666633" / in. | DRAWN - ZCW       | REVISED - |   |  |  |  |  | VAR.                        | 22-00182-01-TL | DEKALB | 29              | 5            |
|  | PLOT DATE = 5/15/2025          | CHECKED - RJH     | REVISED - |   | SCALE: N.T.S.  |  |  |  | CONTRACT NO. 87864          |                |        |                 |              |
|  |                                | DATE - 05.16.2025 | REVISED - |   | SHEET 2 OF 5 SHEETS  |  |  |  | ILLINOIS   FED. AID PROJECT |                |        |                 |              |

| SUMMARY OF QUANTITIES |          |   |      |                   | IL ROUTE 23-64<br>(STATE STREET)<br>AT<br>SACRAMENTO STREET | IL ROUTE 23-64<br>(STATE STREET)<br>AT<br>CALIFORNIA STREET | IL ROUTE 23-64<br>(STATE STREET)<br>AT SOMONAUK<br>STREET | IL ROUTE 64<br>(STATE STREET)<br>AT IL ROUTE 23<br>(MAIN STREET) | PEACE ROAD<br>AT<br>BARBER GREENE<br>ROAD | ANNIE GLIDDEN<br>ROAD<br>AT<br>DRESSER ROAD |
|-----------------------|----------|---|------|-------------------|---|---|---|--|---|---|
| *                     | CODE NO. | ITEM  | UNIT | TOTAL<br>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

MODEL: SOQ-Q3 [Sheet]  
FILE NAME: G:\ORD\_Projects\6085.900 Dekalb Signals\CADD Data\Sheet\6085.900-sh-SOQ.dgn

|  |                                  |                   |           |   |  |  |  |                           |                |        |                 |              |
|--|----------------------------------|-------------------|-----------|---|--|--|--|---------------------------|----------------|--------|-----------------|--------------|
|  | USER NAME = akopel               | DESIGNED - RJH    | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES<br>TRAFFIC SIGNAL IMPROVEMENTS - VARIOUS LOCATIONS |  |  | F.A.P.<br>RTE.            | SECTION        | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|  | PLOT SCALE = 0.16666633" = 1 in. | DRAWN - ZCW       | REVISED - |   |  |  |  | VAR.                      | 22-00182-01-TL | DEKALB | 29              | 6            |
|  | PLOT DATE = 5/15/2025            | CHECKED - RJH     | REVISED - |   | SCALE: N.T.S.  |  |  | CONTRACT NO. 87864        |                |        |                 |              |
|  |                                  | DATE - 05.16.2025 | REVISED - |   | SHEET 3 OF 5 SHEETS  |  |  | ILLINOIS FED. AID PROJECT |                |        |                 |              |







| ADA GRADING COORDINATE TABLE |            |           |           |
|------------------------------|------------|-----------|-----------|
|                              | NORTHING   | EASTING   | ELEVATION |
| BA                           | 1925578.66 | 864628.18 | ( 896.98) |
| BB                           | 1925584.67 | 864628.20 | ( 896.99) |
| BC                           | 1925586.08 | 864601.99 | ( 896.03) |
| BD                           | 1925586.11 | 864600.40 | 896.30    |
| BE                           | 1925583.12 | 864601.96 | ( 896.02) |
| BF                           | 1925583.11 | 864600.96 | 895.97    |
| BG                           | 1925583.06 | 864600.38 | 896.01    |
| BH                           | 1925578.07 | 864602.00 | ( 896.06) |
| BI                           | 1925578.06 | 864601.00 | 896.01    |
| BJ                           | 1925578.06 | 864600.41 | 896.05    |
| BK                           | 1925573.84 | 864602.03 | ( 896.05) |
| BL                           | 1925573.78 | 864600.44 | 896.32    |

| ADA GRADING COORDINATE TABLE |            |           |           |
|------------------------------|------------|-----------|-----------|
|                              | NORTHING   | EASTING   | ELEVATION |
| CA                           | 1925582.65 | 864590.25 | 896.18    |
| CB                           | 1925582.82 | 864594.39 | 896.11    |
| CC                           | 1925578.09 | 864590.17 | 896.22    |
| CD                           | 1925578.03 | 864594.38 | 896.16    |
| CE                           | 1925577.98 | 864598.41 | 896.08    |
| CF                           | 1925573.86 | 864590.09 | 896.29    |
| CG                           | 1925574.03 | 864594.38 | 896.22    |
| CH                           | 1925574.26 | 864599.94 | 896.12    |
| CI                           | 1925568.93 | 864589.99 | ( 896.53) |
| CJ                           | 1925568.87 | 864594.37 | ( 896.45) |
| CK                           | 1925577.56 | 864600.42 | 896.34    |
| CL                           | 1925583.56 | 864600.36 | 896.30    |

| ADA GRADING COORDINATE TABLE |            |           |           |
|------------------------------|------------|-----------|-----------|
|                              | NORTHING   | EASTING   | ELEVATION |
| A                            | 1925555.52 | 864668.75 | ( 896.20) |
| B                            | 1925555.57 | 864662.75 | ( 896.19) |
| C                            | 1925588.51 | 864660.83 | ( 895.84) |
| D                            | 1925589.44 | 864662.11 | 896.20    |
| E                            | 1925586.05 | 864662.78 | ( 895.84) |
| F                            | 1925586.70 | 864663.53 | 895.78    |
| G                            | 1925587.09 | 864663.97 | 895.82    |
| H                            | 1925580.30 | 864669.20 | ( 895.85) |
| I                            | 1925581.14 | 864669.75 | 895.80    |
| J                            | 1925581.63 | 864670.06 | 895.84    |
| K                            | 1925578.69 | 864671.86 | ( 895.88) |
| L                            | 1925580.08 | 864672.63 | 896.24    |
| M                            | 1925577.38 | 864674.37 | ( 895.90) |
| N                            | 1925578.81 | 864675.06 | 896.26    |
| O                            | 1925575.41 | 864679.10 | ( 895.94) |
| P                            | 1925576.91 | 864679.63 | 896.30    |

| ADA GRADING COORDINATE TABLE |            |           |           |
|------------------------------|------------|-----------|-----------|
|                              | NORTHING   | EASTING   | ELEVATION |
| AA                           | 1925591.74 | 864669.36 | 895.90    |
| AB                           | 1925588.39 | 864665.49 | 895.84    |
| AC                           | 1925590.42 | 864666.91 | 895.87    |
| AD                           | 1925590.40 | 864665.41 | 895.86    |
| AE                           | 1925587.47 | 864663.65 | 896.20    |
| AF                           | 1925589.85 | 864671.12 | 895.92    |
| AG                           | 1925589.80 | 864673.87 | 895.95    |
| AH                           | 1925587.35 | 864674.09 | 895.94    |
| AI                           | 1925583.31 | 864671.16 | 895.87    |
| AJ                           | 1925584.96 | 864678.06 | 896.29    |
| AK                           | 1925580.47 | 864675.86 | 896.22    |
| AL                           | 1925583.47 | 864681.78 | 896.35    |
| AM                           | 1925578.71 | 864680.26 | 896.28    |
| AN                           | 1925582.59 | 864685.40 | ( 896.53) |
| AO                           | 1925577.81 | 864685.46 | ( 896.41) |
| AP                           | 1925581.36 | 864670.48 | 896.22    |

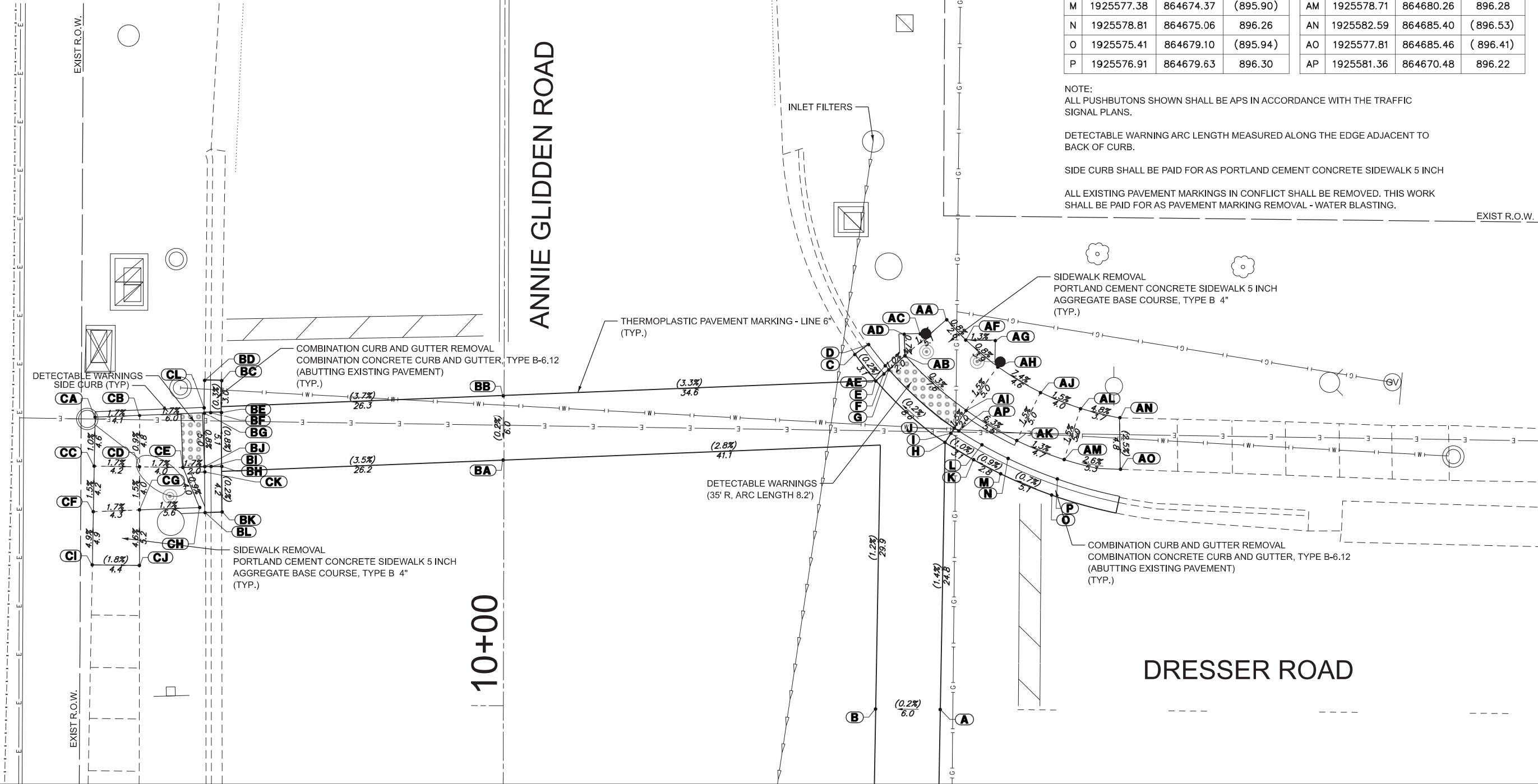
NOTE:  
ALL PUSHBUTTONS SHOWN SHALL BE APS IN ACCORDANCE WITH THE TRAFFIC SIGNAL PLANS.

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.

EXIST R.O.W.



MODEL: ADA-1 [Sheet]  
FILE NAME: C:\ORD\_Projects\6085.900 Dekalb Signals\CADD Data\Sheets\6085.900-ah-ada.dgn



|                              |                   |           |
|------------------------------|-------------------|-----------|
| USER NAME = akopel           | DESIGNED - DGO    | REVISED - |
|                              | 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 1 OF 2 SHEETS STA. TO STA.

|                           |                        |               |                 |             |
|---------------------------|------------------------|---------------|-----------------|-------------|
| F.A.P. RTE. 5348 5370     | SECTION 22-00182-01-TL | COUNTY DEKALB | TOTAL SHEETS 29 | SHEET NO. 9 |
| ILLINOIS FED. AID PROJECT |                        |               |                 |             |

MODEL: ADA-2 [Sheet]  
FILE NAME: G:\ORD\_Projects\6085.900 Dekalb Signals\CADD Data\Sheets\6085.900-ah-ada.dgn



|            |                     |
|------------|---------------------|
| USER NAME  | = akopel            |
| PLOT SCALE | = 0.16666633' / in. |
| PLOT DATE  | = 5/15/2025         |

|          |              |
|----------|--------------|
| DESIGNED | - DGO        |
| DRAWN    | - DGO        |
| CHECKED  | - RJH        |
| DATE     | - 05.16.2025 |

|         |   |
|---------|---|
| REVISED | - |
| REVISED | - |
| REVISED | - |
| REVISED | - |

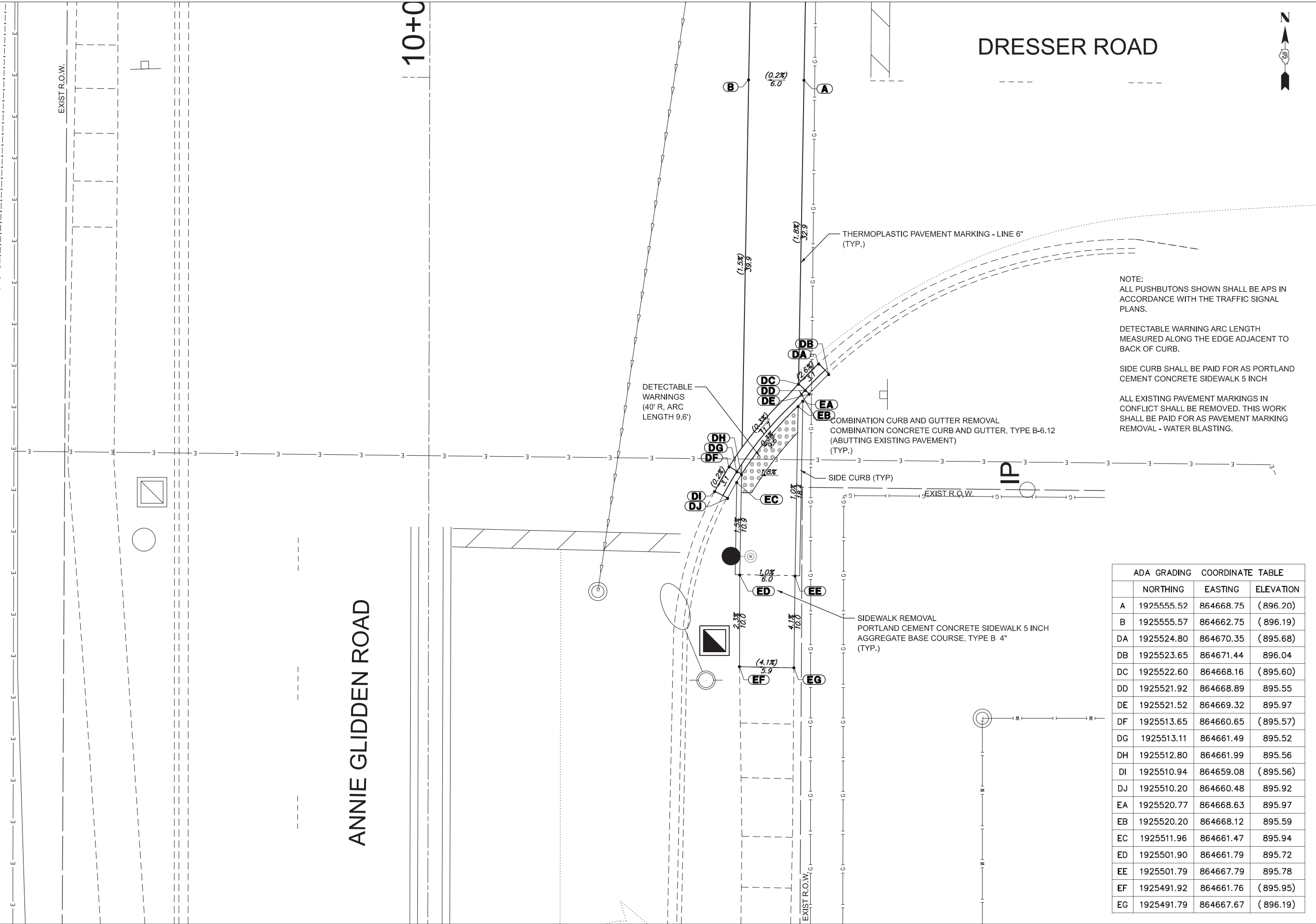
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA GRADING PLAN  
ANNIE GLIDDEN ROAD AT DRESSER ROAD

SCALE: 1"=5'

SHEET 2 OF 2 SHEETS STA. TO STA.

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





MODEL: TS\_IL\_64 at Sacramento [Sheet]  
FILE NAME: C:\ORD\_Projects\6085.900 Dekalb Signals\CADD Data\Sheets\6085.900 sh-TS\_IL\_64 at Sacramento.dgn



|            |                    |            |            |           |  |
|------------|--------------------|------------|------------|-----------|--|
| USER NAME  | = akopel           | DESIGNED - | RJH        | REVISED - |  |
|            |                    | DRAWN -    | AMK        | REVISED - |  |
| PLOT SCALE | = 0.16666633 1/In. | CHECKED -  | RJH        | REVISED - |  |
| PLOT DATE  | = 5/15/2025        | 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.<br>RTE.<br>5348<br>5370 | SECTION<br>22-00182-01-TL | COUNTY<br>DEKALB | TOTAL<br>SHEETS<br>29 | SHEET<br>NO.<br>11 |
| CONTRACT NO. 87864             |                           |                  |                       |                    |
| ILLINOIS FED. AID PROJECT      |                           |                  |                       |                    |

NOTES:

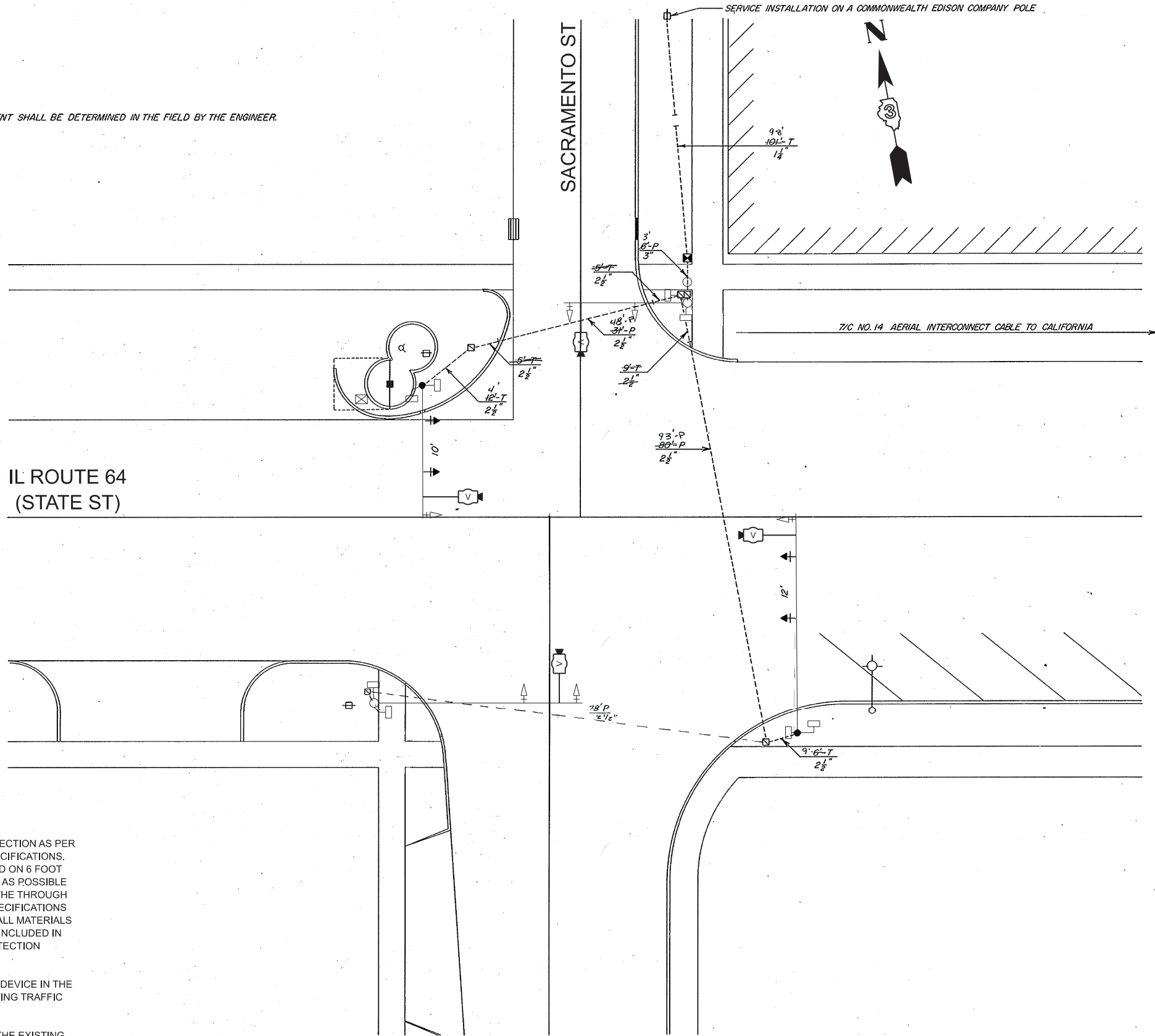
1. THE CONTRACTOR SHALL INSTALL NEW VIDEO DETECTION AS PER MANUFACTURER, VENDOR, AND IDOT DISTRICT 3 SPECIFICATIONS. THE VIDEO DETECTION CAMERAS SHALL BE MOUNTED ON 6 FOOT RISERS NEAR THE END OF THE MAST ARM, AS CLOSE AS POSSIBLE TO BEING ALLIGNED WITH THE LANE LINE BETWEEN THE THROUGH LANE AND THE LEFT 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.

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



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  
CHECKED  
DATE  
SCALE 1" = 10'

MODEL: TS-Cable\_IL 64 at Sacramento [Sheet]  
FILE NAME: G:\ORD\_Proj\6085.900 DeKalb Signals\CADD Data\Sheets\6085.900\_shl-TS-Cable\_IL 64 at Sacramento.dgn



|                                 |                   |           |
|---------------------------------|-------------------|-----------|
| USER NAME = akopel              | DESIGNED - RJH    | REVISED - |
|                                 | DRAWN - AMK       | REVISED - |
| PLOT SCALE = 0.16666633" / 1in. | CHECKED - RJH     | REVISED - |
| PLOT DATE = 5/15/2025           | DATE - 05.16.2025 | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

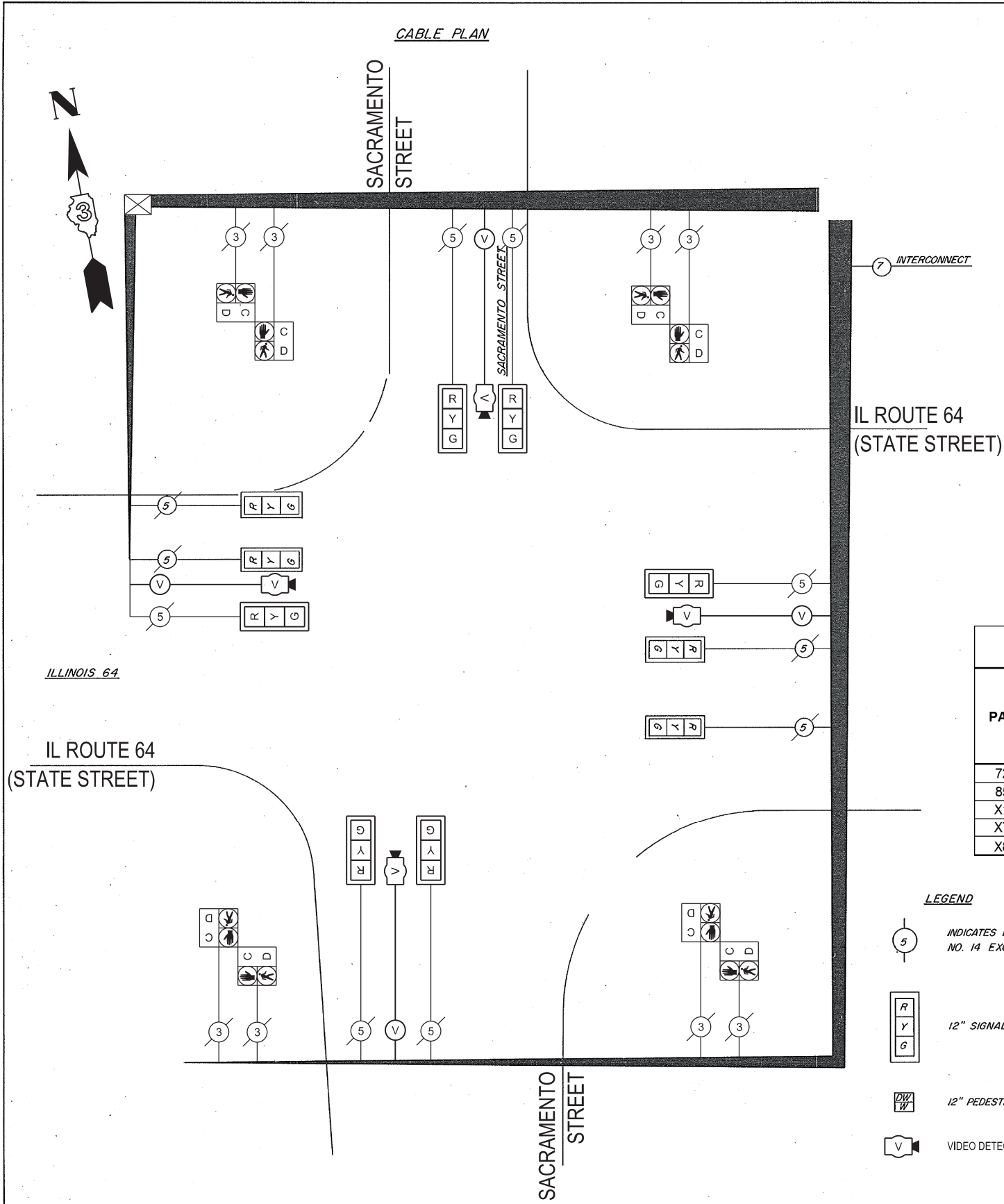
CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL ROUTE 64 (STATE STREET) AT SACRAMENTO STREET

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



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

DISTRICT NO. 2 DIXON

DESIGNED  
DRAWN L.D. HILL  
CHECKED  
DATE  
SCALE



SEQUENCE OF OPERATION

| PHASE                        | A   |            |     | B   |            |     | FLASH |
|------------------------------|---|------------|-----|---|------------|-----|-------|
| 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.<br>DW | DW  | DARK  |
| PED. CROSSING SACRAMENTO ST. | W   | FLA.<br>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

MODEL: TS, State at California (Sheet)  
FILE NAME: C:\ORD\_Projects\6085.900 DeKalb Signals\CADD Data\Sheets\6085.900 sh-TS, State at California.dgn



|            |                     |            |            |           |  |
|------------|---------------------|------------|------------|-----------|--|
| USER NAME  | = akopel            | DESIGNED - | RJH        | REVISED - |  |
|            |                     | DRAWN -    | AMK        | 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

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

SCALE: N.T.S. SHEET 3 OF 14 SHEETS STA. TO STA.

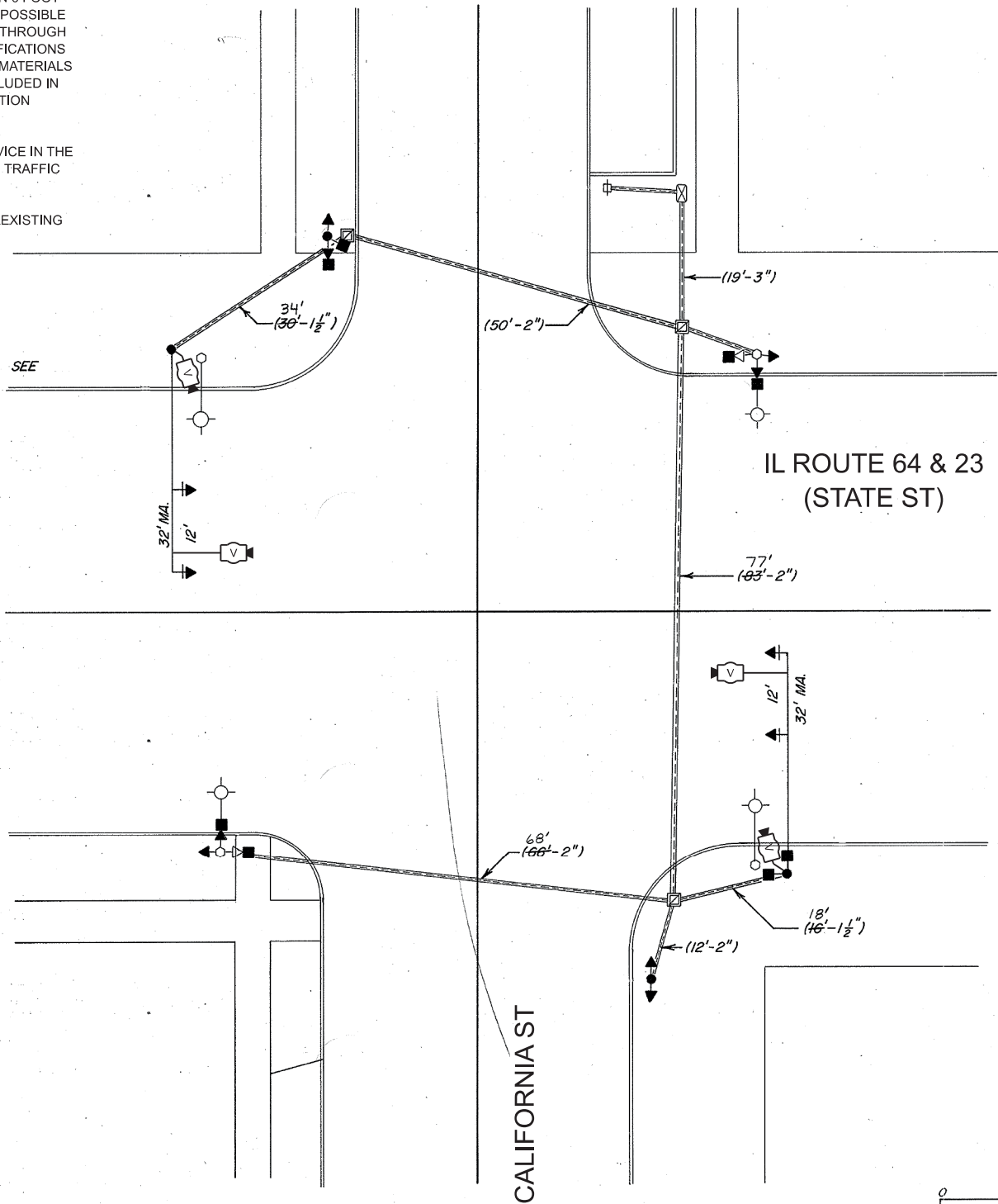
|                                |                           |                  |                       |                    |
|--------------------------------|---------------------------|------------------|-----------------------|--------------------|
| F.A.P.<br>RTE.<br>5348<br>5370 | SECTION<br>22-00182-01-TL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

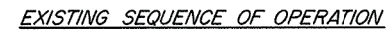
LEGEND

|  |  |
|--|--|
|  | 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                              |



|                      |     |     |     |     |     |
|----------------------|-----|-----|-----|-----|-----|
| 0                    | 10' | 20' | 30' | 40' | 50' |
| DISTRICT NO. 2 DIXON |     |     |     |     |     |
| DESIGNED L.D. HILL   |     |     |     |     |     |
| DRAWN L.D. HILL      |     |     |     |     |     |
| CHECKED              |     |     |     |     |     |
| DATE 2-90            |     |     |     |     |     |
| SCALE 1"=10'-0"      |     |     |     |     |     |





| PHASE                           | A        |           |    | B  |           |    | FLA. |
|---------------------------------|----------|-----------|----|----|-----------|----|------|
| MOVEMENT                        |          |           |    |    |           |    |      |
| STREET                          | INTERVAL |           |    |    |           |    |      |
| 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<br>DW | DW | DW | DW        | DW | DARK |
| PEDESTRIANS CROSSING STATE      | DW       | DW        | DW | W  | FLA<br>DW | DW | DARK |

| SUMMARY OF QUANTITIES - IL ROUTE 64 (STATE STREET) AT CALIFORNIA STREET |   |       |  |
|---|---|-------|--|
| PAY CODE  | DESCRIPTION   | UNIT  | IL ROUTE 64<br>(STATE STREET)<br>AT CALIFORNIA<br>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  |

-(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)



## VIDEO DETECTION

DISTRICT NO. 2 DIXON

DESIGNED *L.D. HILL*

DRAWN *L.D. HILL*

DATE 8-90

CHECKED —

SCALE —

MODEL: TS, State at Somonauk [Sheet]  
FILE NAME: C:\ORD\_Projects\6085.900 Dekalb Signals\CADD Data\Sheets\6085.900 sh-TS, State at Somonauk.dgn



|            |                     |            |            |           |  |
|------------|---------------------|------------|------------|-----------|--|
| USER NAME  | = akopel            | DESIGNED - | RJH        | REVISED - |  |
|            |                     | DRAWN -    | AMK        | 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

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.<br>RTE.<br>5348<br>5370 | SECTION<br>22-00182-01-TL | COUNTY<br>DEKALB | TOTAL<br>SHEETS<br>29 | SHEET<br>NO.<br>15 |
| CONTRACT NO. 87864             |                           |                  |                       |                    |
| ILLINOIS FED. AID 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 ALIGNED 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.

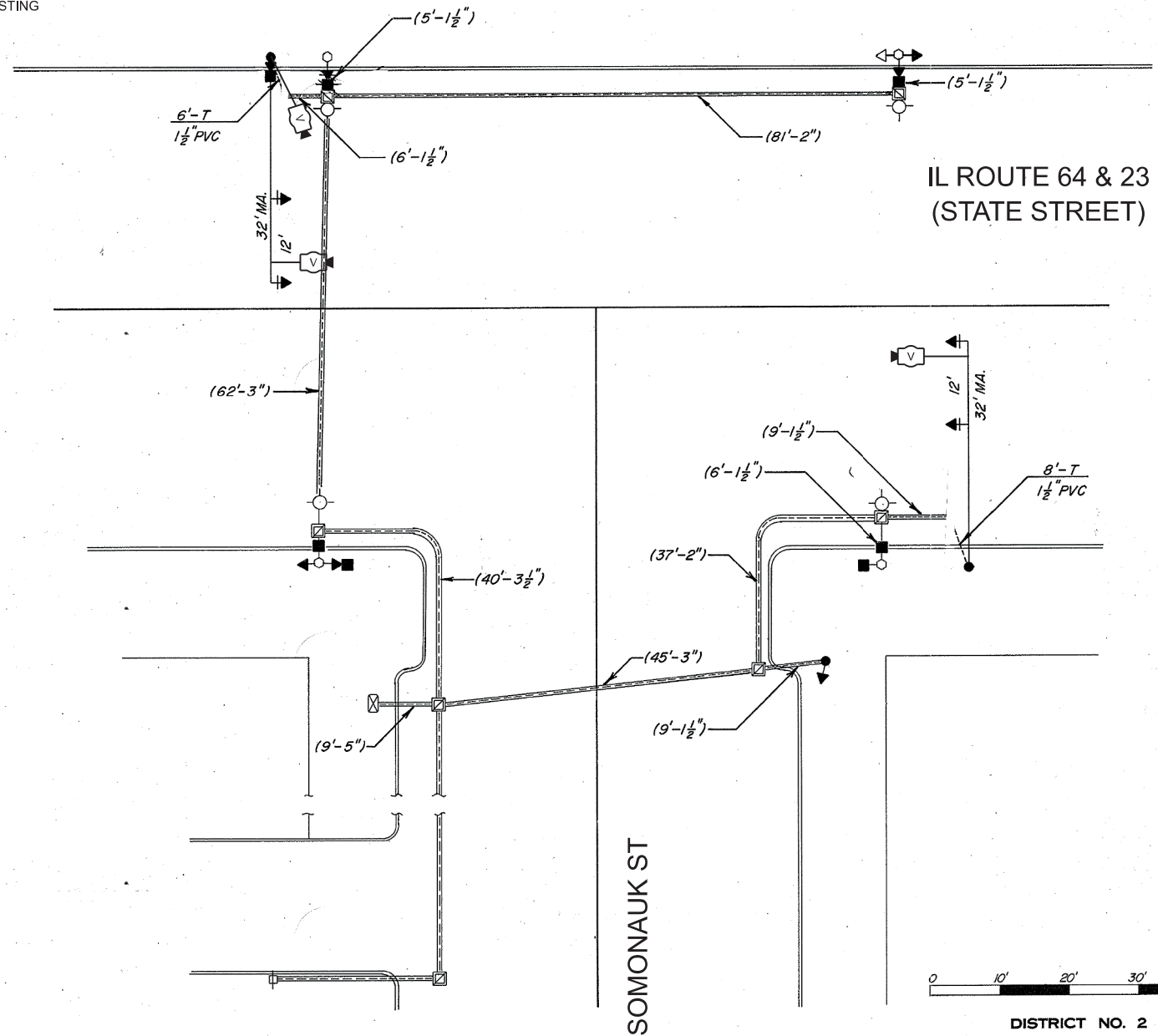
\* IOCS-TS

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



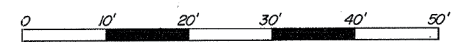
LEGEND

|                                       |  |
|---------------------------------------|--|
|                                       | 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                              |



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"

MODEL: TS-Cable\_State at Somonauk (Sheet)  
FILE NAME: G:\ORD\_Projects\6085.900\DeKalb\_Signals\CADD Data\Sheets\6085.900\_sht-TS-Cable\_State at Somonauk.dgn



|                                  |                   |           |
|----------------------------------|-------------------|-----------|
| USER NAME = akopel               | DESIGNED - RJH    | REVISED - |
|                                  | DRAWN - AMK       | REVISED - |
| PLOT SCALE = 0.16666633" / 1 in. | CHECKED - RJH     | REVISED - |
| PLOT DATE = 5/15/2025            | DATE - 05.16.2025 | REVISED - |

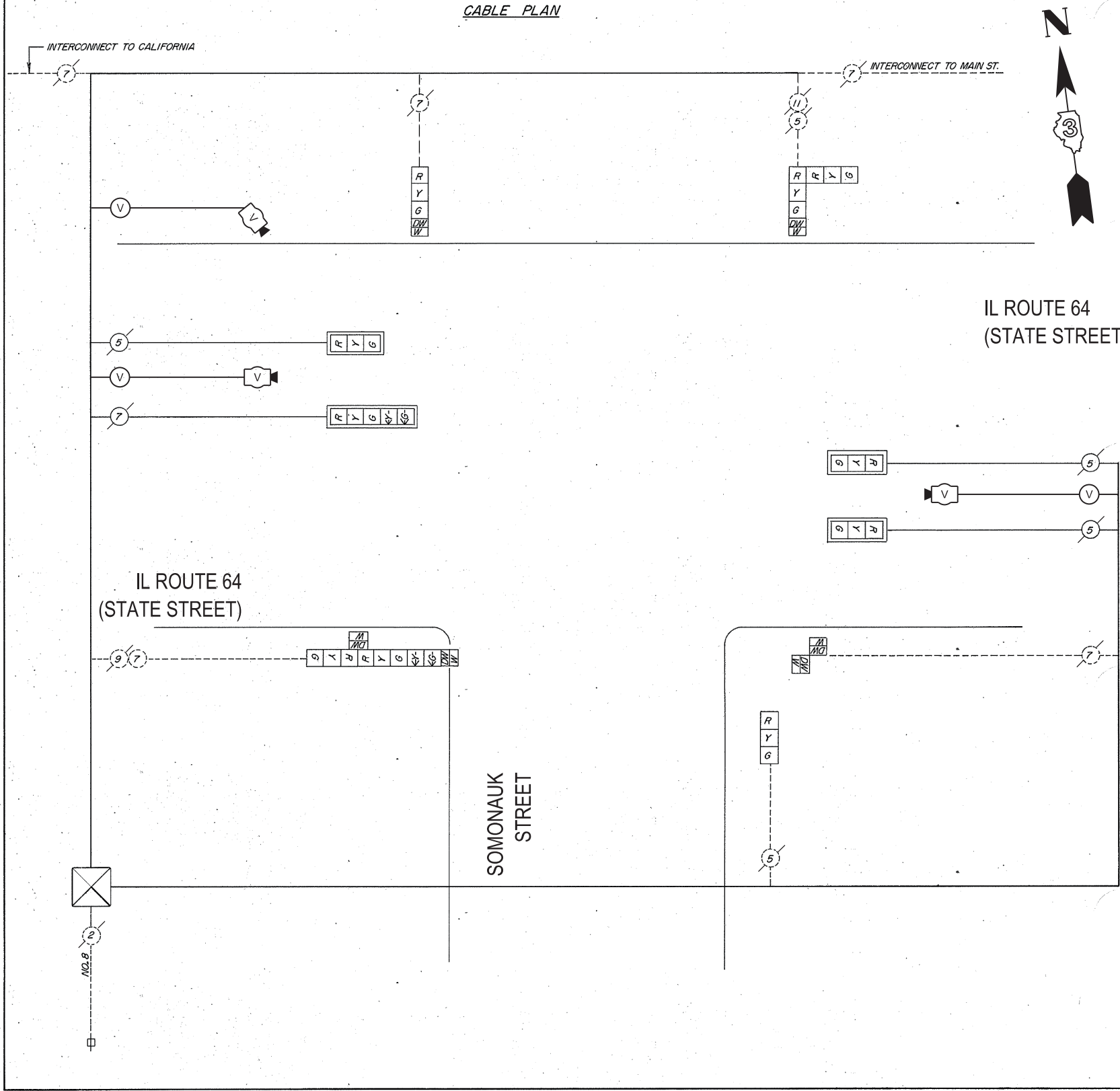
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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


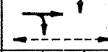



SCALE: N.T.S. SHEET 6 OF 14 SHEETS STA. TO STA.

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

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



EXISTING SEQUENCE OF OPERATION

| PHASE                              | A   |   | B   |            | C   |    |            | FLA. |    |      |  |
|------------------------------------|---|---|---|------------|---|----|------------|------|----|------|--|
| MOVEMENT                           |  |   |  |            |  |    |            |      |    |      |  |
| STREET                             | INTERVAL  |   | 1   | 2          | 3   | 4  | 5          | 6    | 7  | 8    |  |
| IL 64 & 23 (STATE ST.) – WESTBOUND |  |  | 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.<br>DW | DW  | DW | DW         | DW   | DW | DARK |  |
| PEDESTRIANS CROSSING STATE ST.     | DW  | DW  | DW  | DW         | DW  | W  | FLA.<br>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   |

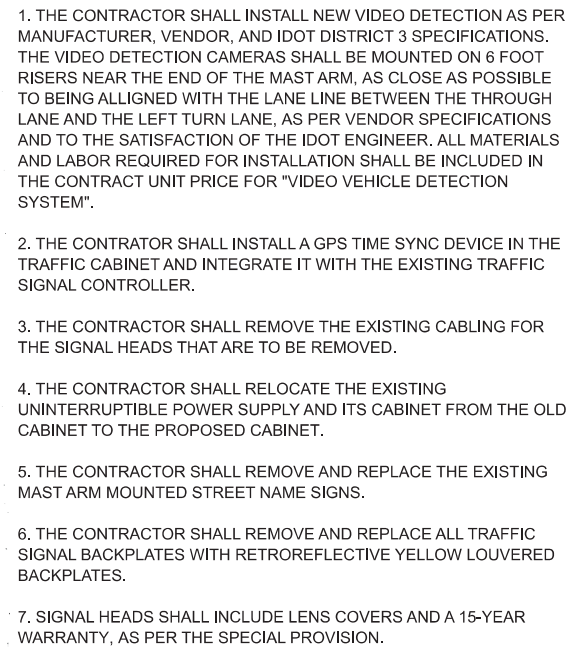
LEGEND

- 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 —



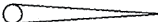












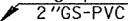



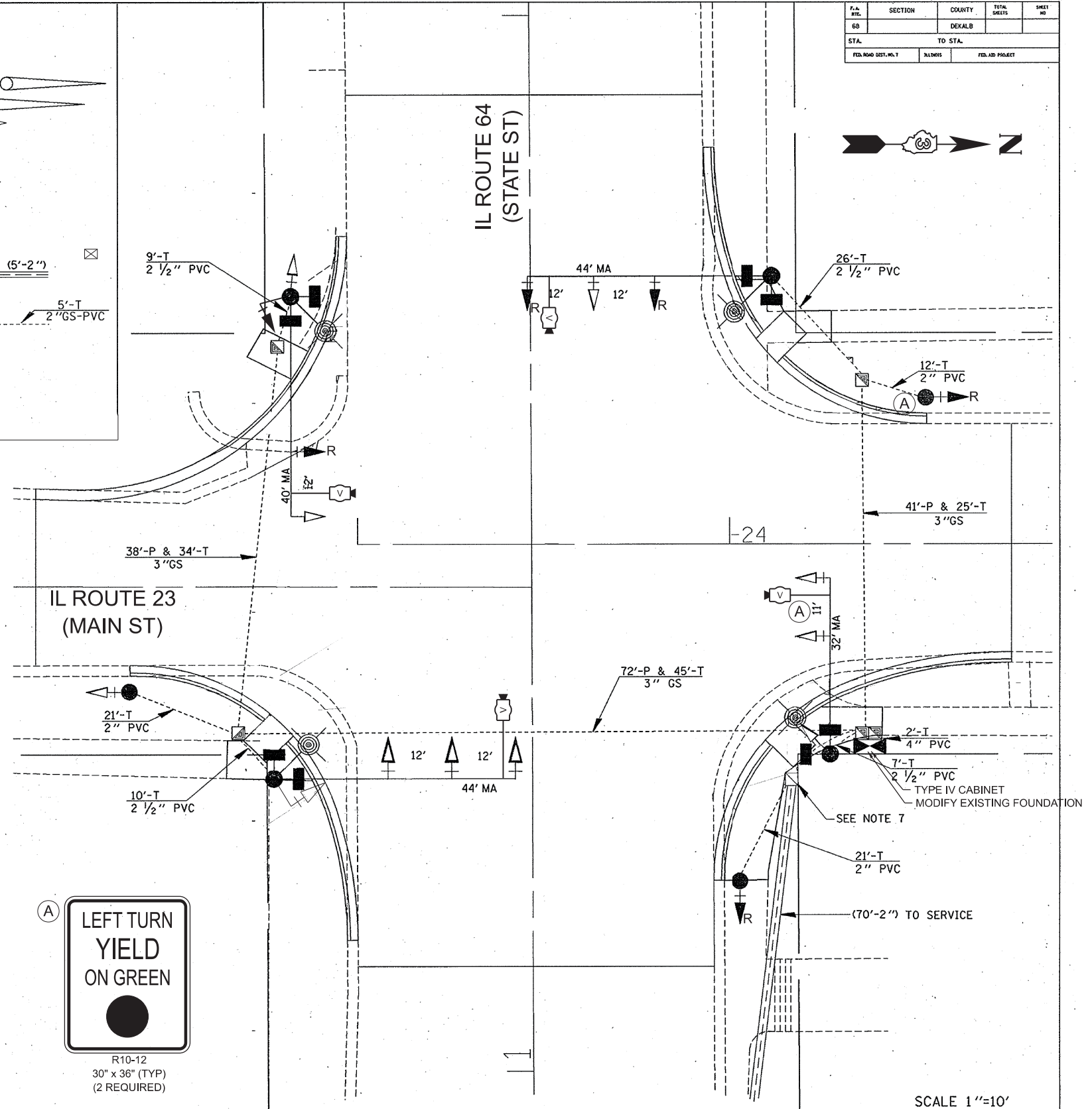
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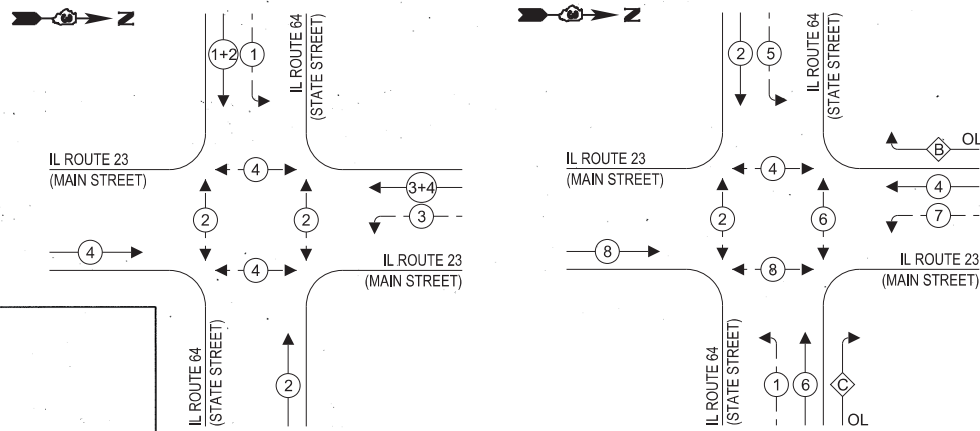






THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

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

- # LEGEND
- EXISTING CONTROLLER 
- CONTROLLER 
- EXISTING MAST ARM ASSEMBLY AND POLE 
- 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 
- EXISTING HANDHOLE 
- DOUBLE HANDHOLE 
- EXISTING CONDUIT (LENGTH AND SIZE)  (5'-2") 
- LUMINAIRE 
- GALVANIZED STEEL OR PVC CONDUIT  5'-T  
2" GS-PVC
- UPPER NUMERAL INDICATES LENGTH
- "T" INDICATES CONDUIT IN TRENCH
- "P" INDICATES CONDUIT PUSHED
- LOWER NUMERAL INDICATES SIZE AND TYPE
- VIDEO DETECTION 



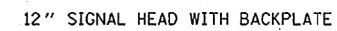


 PROTECTED PHASE  
 PROTECTED/PERMITTED PHASE  
 PEDESTRIAN PHASE  
 OVERLAP

| <u>OVERLAP<br/>LETTER</u> |   | <u>PERMISSIVE<br/>PHASE</u> |   | <u>PROTECTED<br/>PHASE</u> |
|---------------------------|---|-----------------------------|---|----------------------------|
| B                         | = | 4                           | + | 5                          |
| C                         | = | 6                           | + | 7                          |

| PAY CODE | DESCRIPTION  | UNIT   | IL ROUTE 64<br>(STATE STREET)<br>AT IL ROUTE 23<br>(MAIN STREET) |
|----------|--|--------|--|
| 66900200 | NON-SPECIAL WASTE DISPOSAL   | CU YD  | 1  |
| 66900530 | REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN                           | EACH   | 1  |
| 66901001 | REGULATED SUBSTANCES MONITORING                                      | LSUM   | 1  |
| 66901003 | REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT                       | LSUM   | 1  |
| 66901006 | SOIL DISPOSAL ANALYSIS   | CAL DA | 1  |
| 72000100 | SIGN PANEL - TYPE 1  | SQ FT  | 15   |
| 72000200 | SIGN PANEL - TYPE 2  | SQ FT  | 55   |
| 85000200 | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION                  | EACH   | 1  |
| 87301255 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C                          | FOOT   | 1095   |
| 88040150 | SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED  | EACH   | 3  |
| 88040160 | SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED | EACH   | 3  |
| 89501410 | RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT    | EACH   | 1  |
| 89502300 | REMOVE ELECTRICAL CABLE FROM CONDUIT                                 | FOOT   | 844  |
| 89502375 | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                             | EACH   | 1  |
| X1400318 | TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL          | EACH   | 17   |
| X1400437 | GPS CLOCK SYNC UNIT  | EACH   | 1  |
| X8570226 | FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)               | EACH   | 1  |
| X8780402 | MODIFY EXISTING TYPE "D" FOUNDATION                                  | EACH   | 1  |
| X8891001 | VIDEO VEHICLE DETECTION SYSTEM                                       | EACH   | 1  |
| X0073509 | PERMANENT TRAFFIC SIGNAL TIMING                                      | EACH   | 1  |
| XX005800 | RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM                         | EACH   | 1  |

⑤ INDICATES NUMBER OF NEW CONDUCTORS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED.



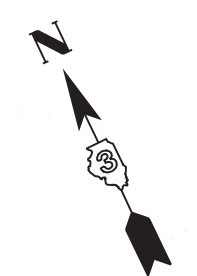
**[RW]** " R/W " INDICATES COLOR OF ELECTRICAL TAPE  
USED FOR IDENTIFYING CABLE AT BOTH ENDS.  
R-RED W-WHITE Y-YELLOW G-GREEN  
B-BLUE





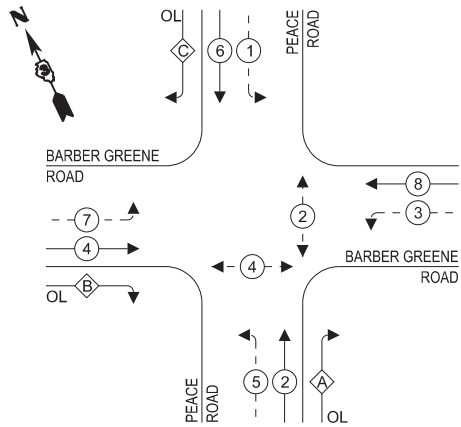
7. CONTRACTOR SHALL INSTALL NEW 5' PED POST AT LOCATION OF REMOVED HANDHOLE, WITHIN THE SIDEWALK SIDE CURB.

|    |      |                                   |
|----|------|-----------------------------------|
| 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'        |

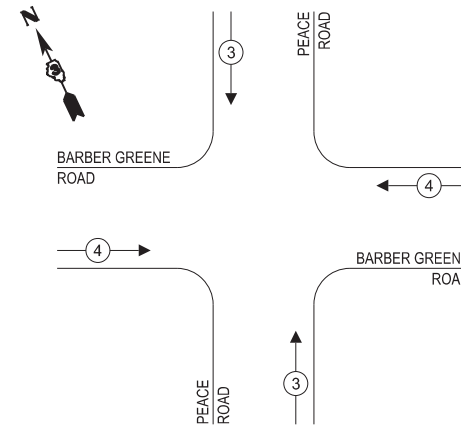


DRAWING NUMBER

EXISTING & 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                | + | 3               |
| B              | = | 4                | + | 5               |
| C              | = | 6                | + | 7               |

TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS

| TYPE                       |           | QUANTITY            | UNIT<br>WATTAGE | TOTAL<br>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          |           | 4                   | 15              | 60               |
| CONTROLLER                 |           | 1                   | 150             | 150              |
| MASTER CONTROLLER          |           | -                   | 100             | -                |
| UPS                        |           | 1                   | 25              | 25               |
| 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  
DeKalb, 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.

BARBER GREENE  
ROAD

PEACE  
ROAD

BARBER GREENE  
ROAD

CABLE PLAN  
(NOT TO SCALE)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

|                             |                           |                  |                    |                 |
|-----------------------------|---------------------------|------------------|--------------------|-----------------|
| F.A.P. RTE.<br>5348<br>5370 | SECTION<br>22-00182-01-TL | COUNTY<br>DEKALB | TOTAL SHEETS<br>29 | SHEET NO.<br>20 |
| CONTRACT NO. 87864          |                           |                  |                    |                 |

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

ILLINOIS FED. AID PROJECT

MODEL: TS-Cable\_Peace at Barber Greene [Sheet]  
FILE NAME: G:\ORD\_Projects\6085.900\DeKalb\_Signals\CADD Data\Sheets\6085.900 -shl-TS-Cable\_Peace at Barber Greene.dgn

GEWALT HAMILTON  
ASSOCIATES, INC.

|            |                     |
|------------|---------------------|
| USER NAME  | = akopel            |
| PLOT SCALE | = 0.16666633" / In. |
| PLOT DATE  | = 5/15/2025         |

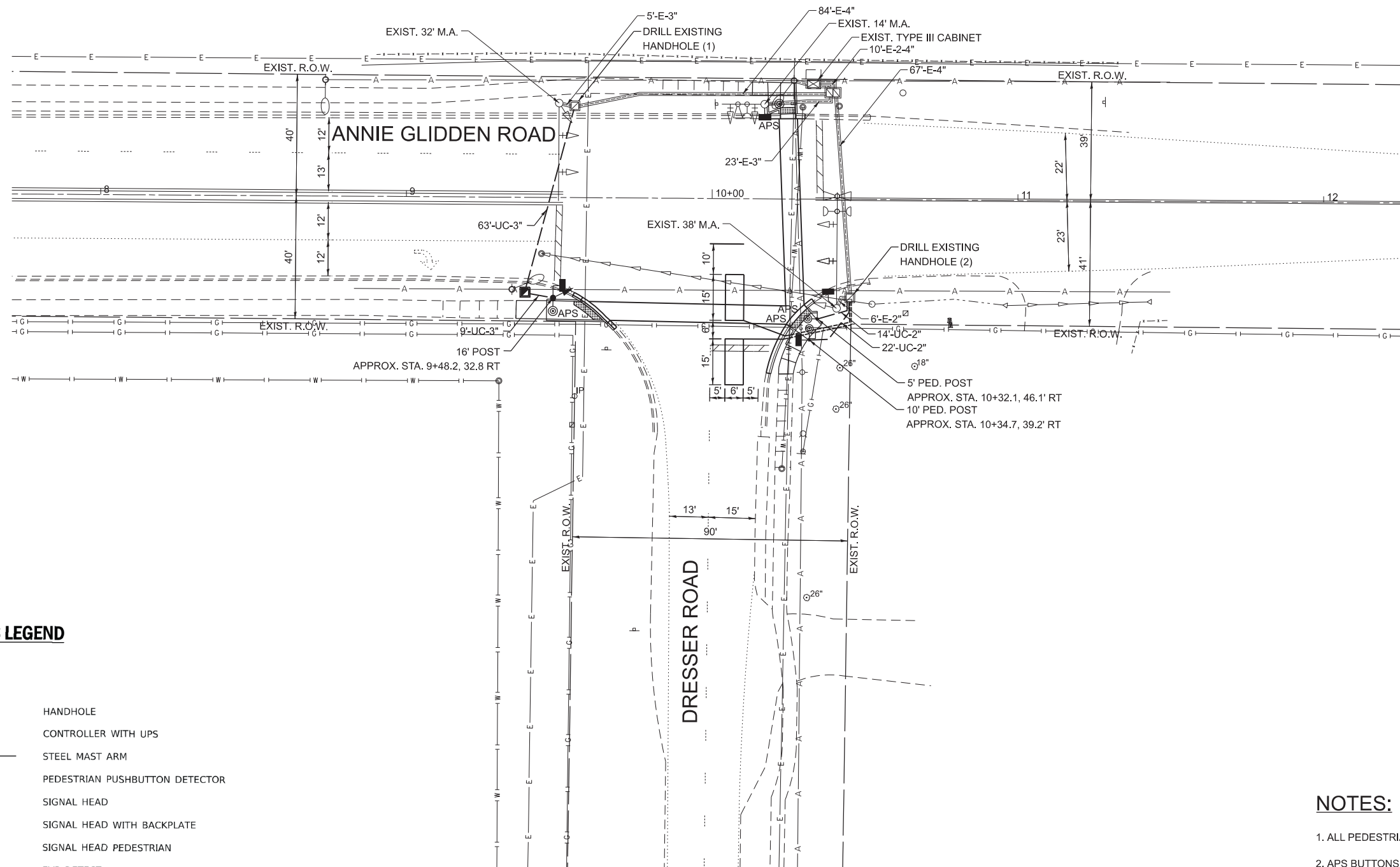
|          |              |         |   |
|----------|--------------|---------|---|
| DESIGNED | - RJH        | REVISED | - |
| DRAWN    | - AMK        | REVISED | - |
| CHECKED  | - RJH        | REVISED | - |
| DATE     | - 05.16.2025 | REVISED | - |



MODEL: TS-SOO Peace at Barber Greene (Sheet)  
FILE NAME: G:\ORD\_Projects\6085.900\DeKalb\_Signals\CADD Data\Sheets\6085.900-sh-TS-SOO\_Peace at Barber Greene.dgn

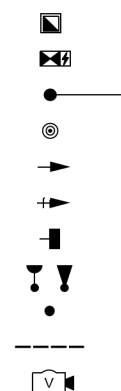
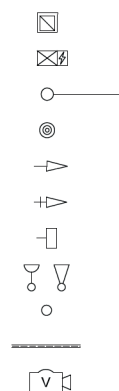
| SUMMARY OF QUANTITES - PEACE ROAD AT BARBER GREENE ROAD |   |      |                                  |
|---|---|------|----------------------------------|
| PAY CODE  | DESCRIPTION   | UNIT | PEACE ROAD AT BARBER GREENE ROAD |
| 81028200  | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.  | FOOT | 216                              |
| 81028240  | UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.  | FOOT | 10                               |
| 81400100  | HANDHOLE  | EACH | 1                                |
| 81702110  | ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10                                 | FOOT | 404                              |
| 85000200  | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION                                       | EACH | 1                                |
| 86200200  | UNINTERRUPTABLE POWER SUPPLY, STANDARD  | EACH | 1                                |
| 87301215  | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C   | FOOT | 773                              |
| 87301225  | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C   | FOOT | 1056                             |
| 87301245  | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C   | FOOT | 664                              |
| 87301255  | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C   | FOOT | 2236                             |
| 87301805  | ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C   | FOOT | 544                              |
| 87301900  | ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C                        | FOOT | 550                              |
| 87800150  | CONCRETE FOUNDATION, TYPE C   | FOOT | 4                                |
| 87900200  | DRILL EXISTING HANDHOLE   | EACH | 2                                |
| 88040090  | SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED                      | EACH | 3                                |
| 88040150  | SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED                       | EACH | 6                                |
| 88040160  | SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED                      | EACH | 8                                |
| 88102825  | PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER | EACH | 4                                |
| 89501410  | RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT                         | EACH | 1                                |
| 89502300  | REMOVE ELECTRIC CABLE FROM CONDUIT  | FOOT | 7089                             |
| 89502350  | REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT  | FOOT | 2548                             |
| 89502375  | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT  | EACH | 1                                |
| 89502380  | REMOVE EXISTING HANDHOLE  | EACH | 1                                |
| 89502385  | REMOVE EXISTING CONCRETE FOUNDATION   | EACH | 2                                |
| X0324085  | EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C                           | FOOT | 262                              |
| X1400318  | TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC, SPECIAL                               | EACH | 17                               |
| X1400378  | PEDESTRIAN SIGNAL POST, 5 FT  | EACH | 1                                |
| X1400483  | VIDEO AND RADAR HYBRID DETECTION SYSTEM   | EACH | 1                                |
| X8100863  | INTERCEPT EXISTING CONDUIT  | EACH | 2                                |
| X8570235  | FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)                               | EACH | 1                                |
| x8760200  | ACCESSIBLE PEDESTRIAN SIGNALS   | EACH | 4                                |
| X8780012  | CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER  | EACH | 4                                |

|  |                                |                   |                |   |  |          |              |           |                             |                           |                  |                    |                 |
|--|--------------------------------|-------------------|----------------|---|--|----------|--------------|-----------|-----------------------------|---------------------------|------------------|--------------------|-----------------|
|  | USER NAME = akopel             | DESIGNED - RJH    | REVISED - ____ | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | SCHEDULE OF QUANTITIES<br>PEACE ROAD AT BARBER GREENE ROAD |          |              |           | F.A.P. RTE.<br>5348<br>5370 | SECTION<br>22-00182-01-TL | COUNTY<br>DEKALB | TOTAL SHEETS<br>29 | SHEET NO.<br>21 |
|  | PLOT SCALE = 0.16666633' / In. | CHECKED - RJH     | REVISED - ____ |   |  |          |              |           | CONTRACT NO. 87864          |                           |                  |                    |                 |
|  | PLOT DATE = 5/16/2025          | DATE - 05.16.2025 | REVISED - ____ |   | SCALE: N.T.S.  | SHEET 11 | OF 14 SHEETS | STA. ____ | TO STA. ____                | ILLINOIS FED. AID PROJECT |                  |                    |                 |
|  |                                |                   |                |   |  |          |              |           |                             |                           |                  |                    |                 |



EXISTING

PROPOSED



## VIDEO DETECTION

APS ACCESSIBLE PEDESTRIAN PUSH BUTTON

3. 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.



|      |   |            |
|------|---|------------|
| DATE | - | 05.16.2025 |
|------|---|------------|

|      |   |            |
|------|---|------------|
| DATE | - | 05.16.2025 |
|------|---|------------|

|      |   |            |
|------|---|------------|
| DATE | - | 05.16.2025 |
|------|---|------------|

|      |   |            |
|------|---|------------|
| DATE | - | 05.16.2025 |
|------|---|------------|

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

## TRAFFIC SIGNAL IMPROVEMENTS ANNIE GLIDDEN ROAD AT DRESSER ROAD

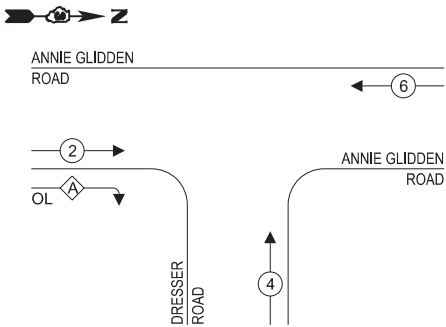
TO STA.

|                    |    |   |
|--------------------|----|---|
| DETAILED           | 29 | 2 |
| CONTRACT NO. 87864 |    |   |

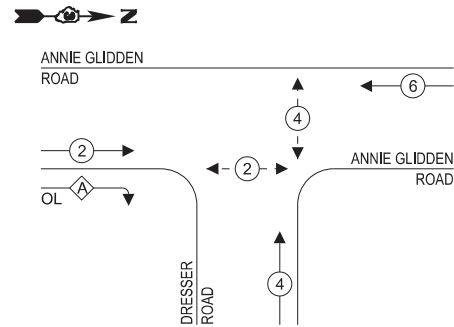
|          |                  |
|----------|------------------|
| ILLINOIS | FED. AID PROJECT |
|----------|------------------|

MODEL: TS\_Annie Gfiddan at Dresser [Sheet]  
FILE NAME: c:\ORD\_Projcts\6085.900 Dekalb Signals\CADD Data\Sheets\6085.900\_sht-TS\_Annie Gfiddan at Dresser.dgn

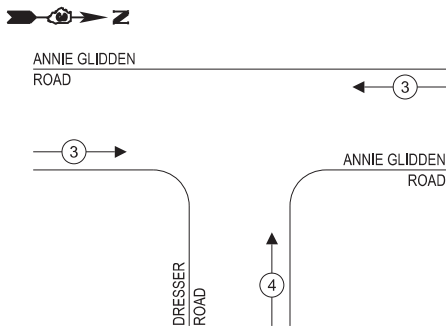
EXISTING CONTROLLER SEQUENCE



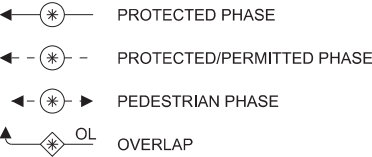
PROPOSED CONTROLLER SEQUENCE



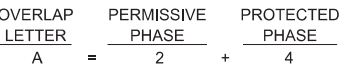
EXISTING & PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:



RIGHT TURN OVERLAP PHASE DESIGNATION:



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          | 4         | 15           | 60            |
| CONTROLLER                 | 1         | 150          | 150           |
| MASTER CONTROLLER          | -         | 100          | -             |
| UPS                        | -         | 25           | -             |
| DETECTION                  | 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: -



|            |                     |
|------------|---------------------|
| USER NAME  | = akopel            |
| PLOT SCALE | = 0.16666633" / In. |
| PLOT DATE  | = 5/15/2025         |

|          |              |         |   |
|----------|--------------|---------|---|
| DESIGNED | - RJH        | REVISED | - |
| DRAWN    | - AMK        | REVISED | - |
| CHECKED  | - RJH        | REVISED | - |
| DATE     | - 05.16.2025 | REVISED | - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN  
(NOT TO SCALE)

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.        | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| 5348<br>5370       | 22-00182-01-TL | DEKALB | 29           | 23        |
| CONTRACT NO. 87864 |                |        |              |           |

ILLINOIS FED. AID PROJECT

MODEL: TS-SOO, Annie Glidden at Dresser [Sheet]  
FILE NAME: G:\ORD\_Projects\6085.900\DeKalb\_Signals\CADD Data\Sheets\6085.900-eh-TS-SOO\_Annie Glidden at Dresser.dgn



|                                 |                   |           |
|---------------------------------|-------------------|-----------|
| USER NAME = zwallsten           | DESIGNED - RJH    | REVISED - |
|                                 | DRAWN - AMK       | REVISED - |
| PLOT SCALE = 0.16666633 ' / In. | CHECKED - RJH     | REVISED - |
| PLOT DATE = 6/9/2025            | DATE - 05.16.2025 | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

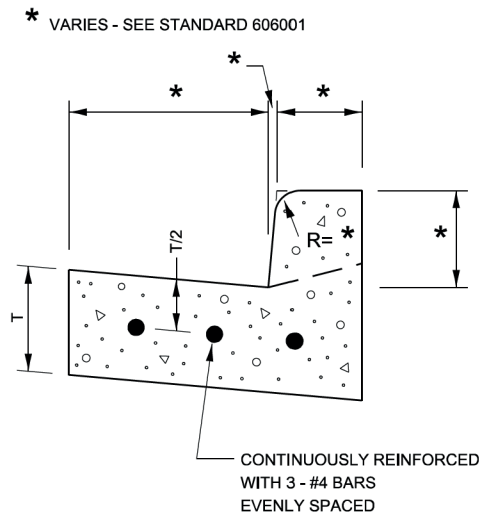
SCHEDULE OF QUANTITIES  
ANNIE GLIDDEN ROAD AT DRESSER ROAD

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

|                                |                           |                  |                       |                    |
|--------------------------------|---------------------------|------------------|-----------------------|--------------------|
| F.A.P.<br>RTE.<br>5348<br>5370 | SECTION<br>22-00182-01-TL | COUNTY<br>DEKALB | TOTAL<br>SHEETS<br>29 | SHEET<br>NO.<br>24 |
| CONTRACT NO. 87864             |                           |                  |                       |                    |
| ILLINOIS                       |                           | FED. AID PROJECT |                       |                    |

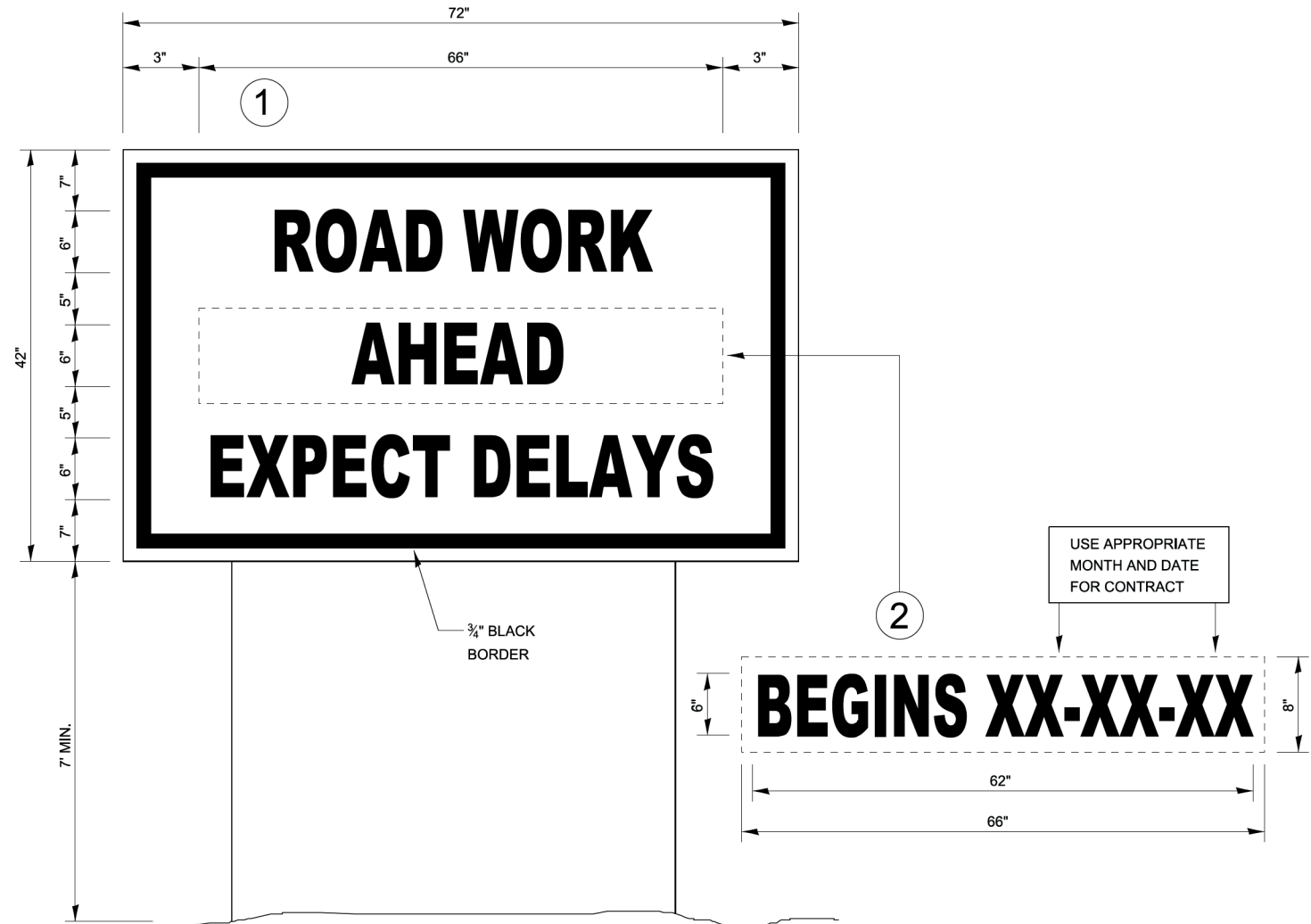
| SUMMARY OF QUANTITES - ANNIE GLIDDEN ROAD AT DRESSER ROAD |   |       |                                    |
|---|---|-------|------------------------------------|
| PAY CODE  | DESCRIPTION   | UNIT  | ANNIE GLIDDEN ROAD AT DRESSER ROAD |
| 72000100  | SIGN PANEL - TYPE 1   | SQ FT | 15                                 |
| 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 SIGN①WITH INSTALLED PANEL②A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL②ON 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 PANEL②WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

720-8

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

| F.A.P.<br>RTE.            | SECTION        | COUNTY | TOTAL<br>SHEETS | SHEET<br>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

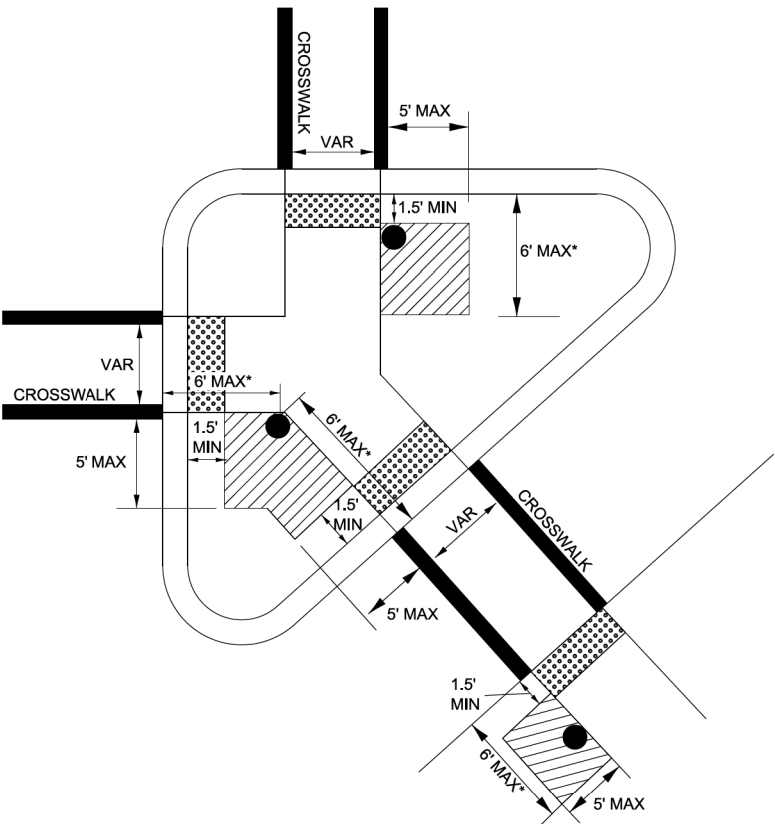
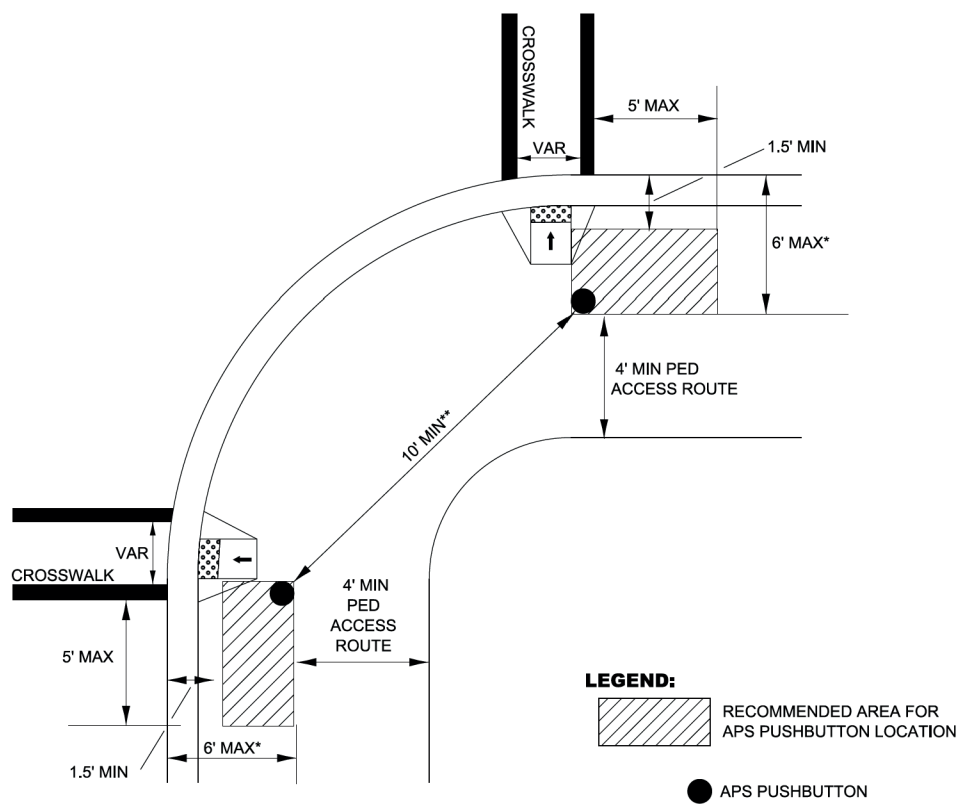


FIGURE 1 NOTES:

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.

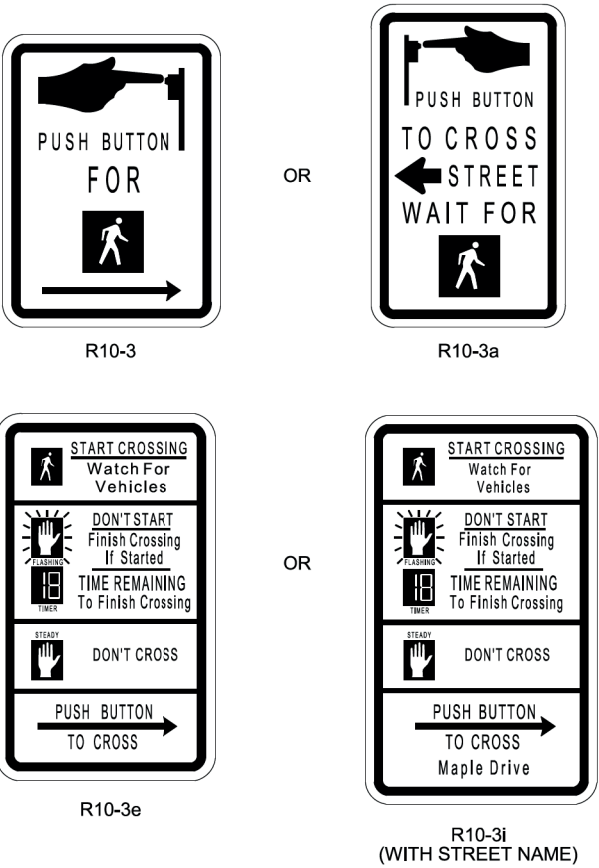
PUSHBUTTONS SHALL BE LOCATED WITHIN TEN (10) INCHES OF THE PEDESTRIAN ACCESS ROUTE. WHEN REQUIRED, EXTENSIONS SHALL BE INSTALLED TO COMPLY WITH THIS REQUIREMENT. THE COST OF INSTALLING THE EXTENSION SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE ACCESSIBLE PEDESTRIAN SIGNAL.

SEE ACCESSIBLE PEDESTRIAN SIGNALS (BDE) SPECIAL PROVISION FOR REQUIREMENTS NOT SHOWN IN THIS DETAIL.

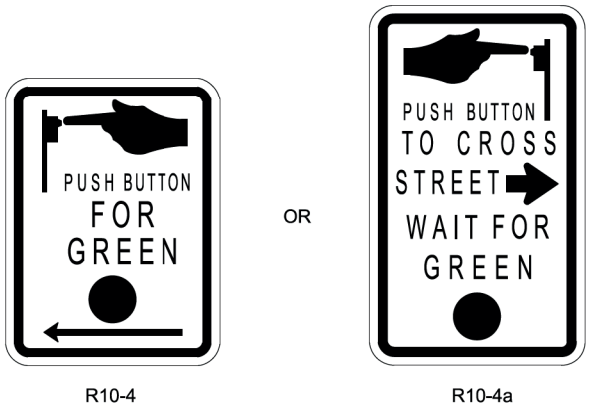
FOUNDATIONS FOR PEDESTRIAN POSTS SHALL NOT PROTRUDE MORE THAN 4 INCHES ABOVE THE FINISHED GRADE / SIDEWALK

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



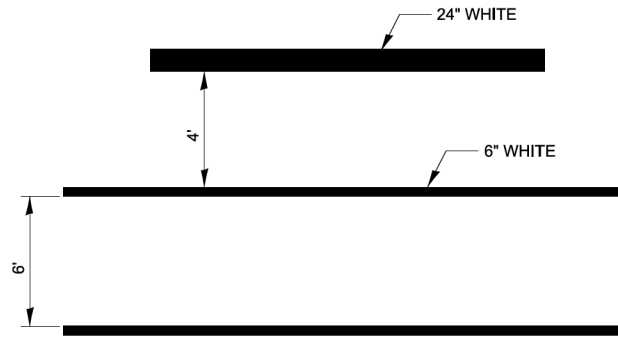
AT INTERSECTIONS WHERE PEDESTRIAN SIGNALS ARE NOT USED & PEDESTRIANS PROCEED ON GREEN SIGNAL INDICATION



**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.

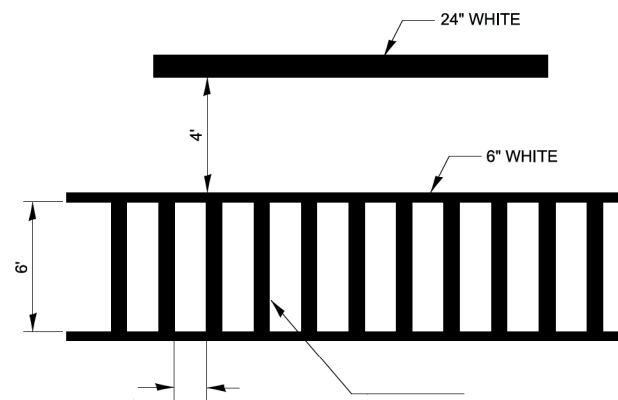
|                              |                  |                 |
|------------------------------|------------------|-----------------|
| USER NAME = anthony.grunstad | DESIGNED - _____ | REVISED - _____ |
|                              | DRAWN - _____    | REVISED - _____ |
| PLOT SCALE = 50,000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

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



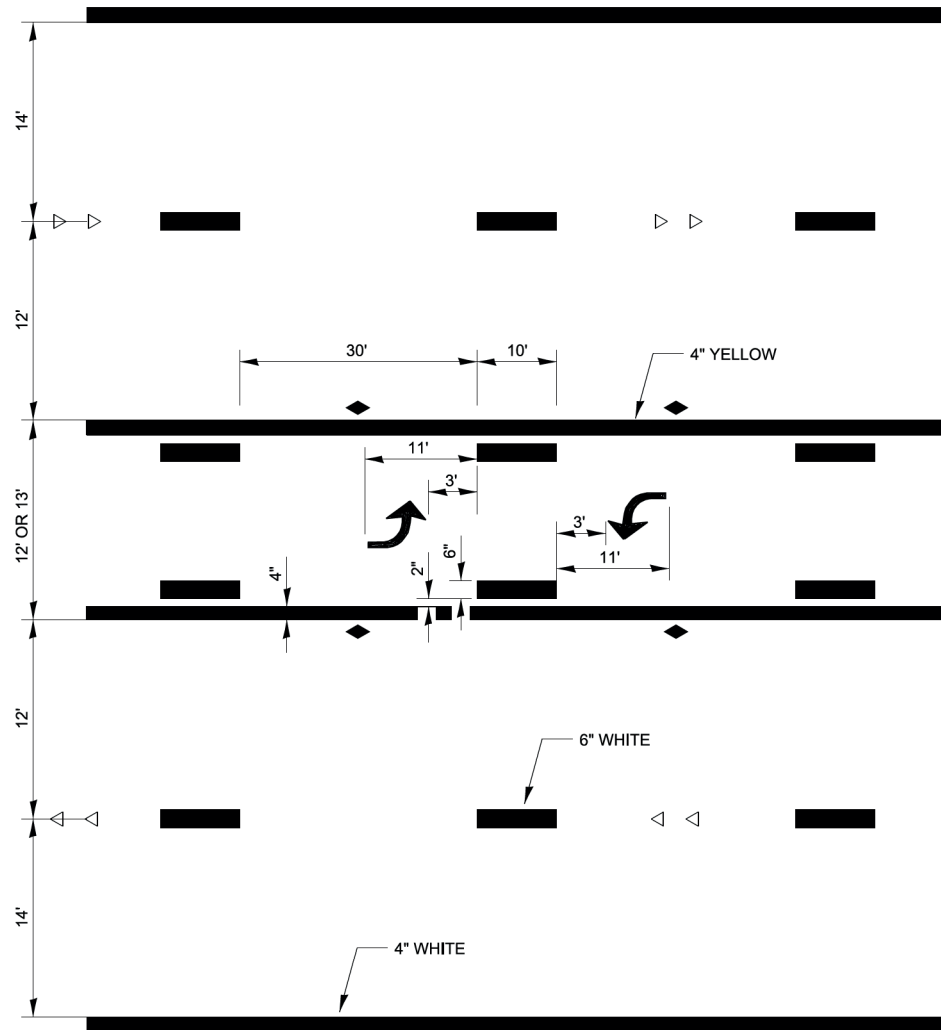
**TYPICAL SPACING DETAIL FOR  
CROSSWALKS AND STOP BARS**

780-3  
OPTION 1



**TYPICAL SPACING DETAIL FOR  
CROSSWALKS AND STOP BARS**

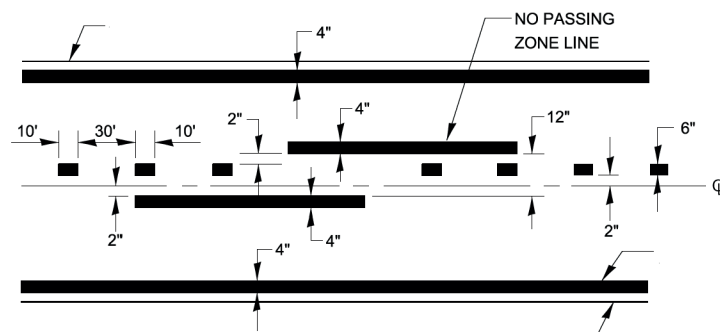
780-3  
OPTION 2



**TYPICAL APPLICATION @  
BI-DIRECTIONAL LEFT TURN LANE**

780-2

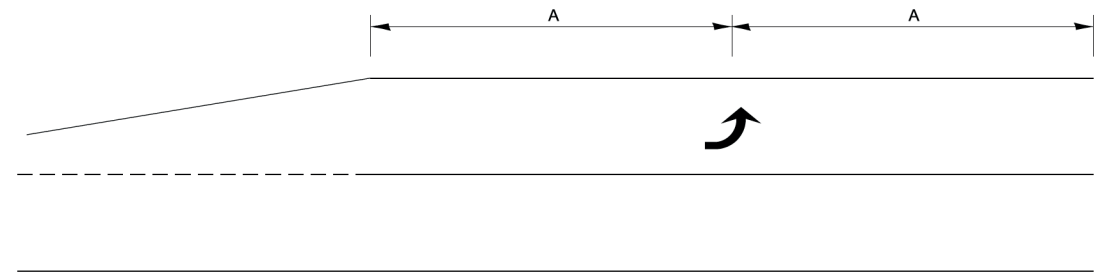
DESIGNER NOTE:  
MINIMUM 2 SETS OF ARROWS, ADDITIONAL SETS  
AT 200'-300' APART.



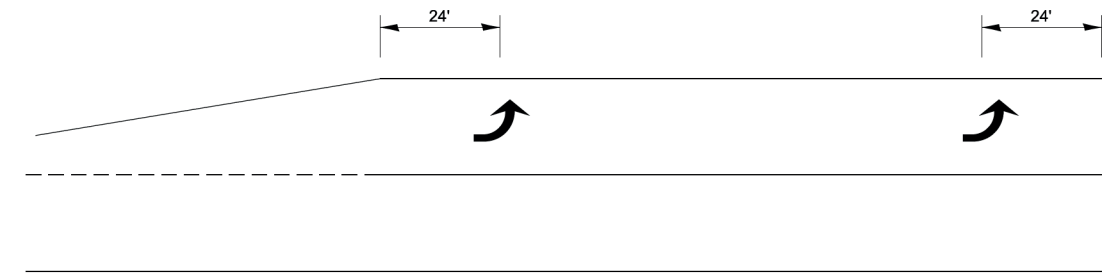
CENTERLINE & NO PASSING  
ZONE LINES - YELLOW

**PAVEMENT MARKING**

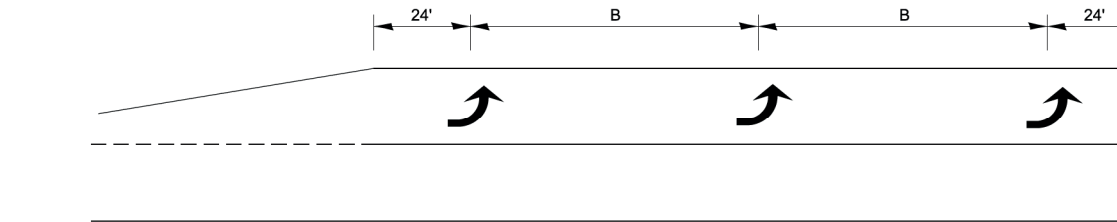
780-8



**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

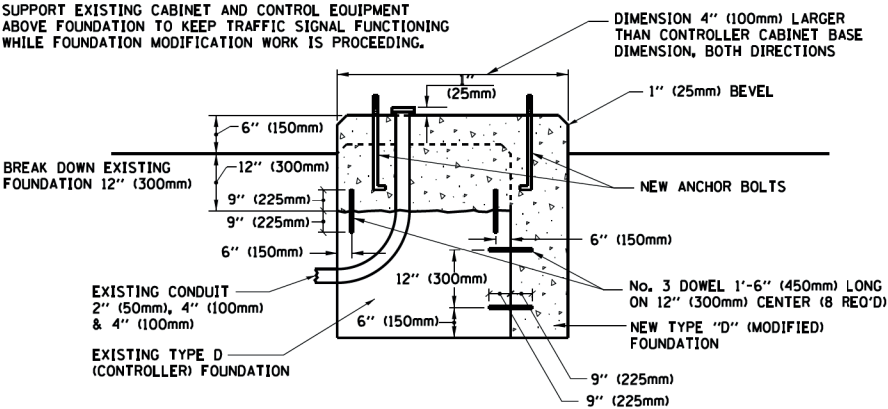
**URBAN PAVEMENT MARKING**

SCALE: SHEET OF SHEETS STA. TO STA.

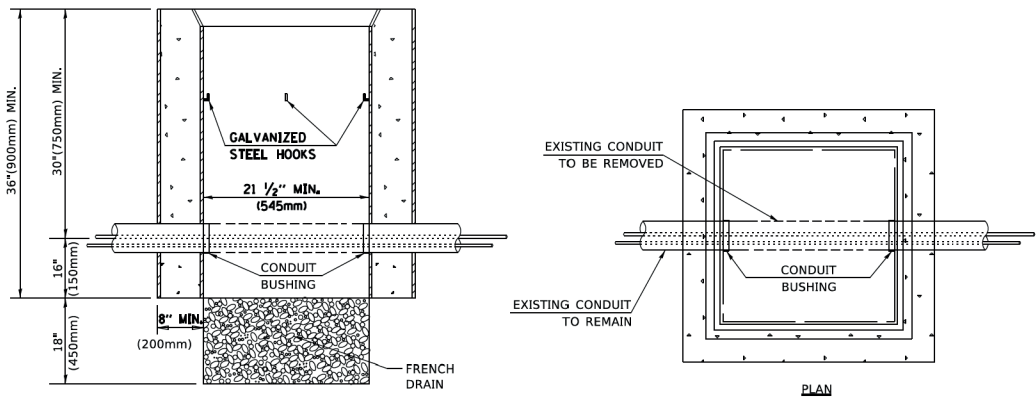
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|---------------------------|----------------|--------|-----------------|--------------|
| F.A.P.<br>RTE.            | SECTION        | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
|                           | 22-00182-01-TL | DEKALB | 29           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

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:\ORD\_Projects\6085.900 Dekalb Signals\CADD Data\Sheets\6085.900-sh-details.dgn

|                                 |            |           |
|---------------------------------|------------|-----------|
| USER NAME = akopel              | DESIGNED - | REVISED - |
|                                 | DRAWN -    | REVISED - |
| PLOT SCALE = 0.16666633' / 1in. | CHECKED -  | REVISED - |
| PLOT DATE = 5/13/2025           | DATE -     | REVISED - |

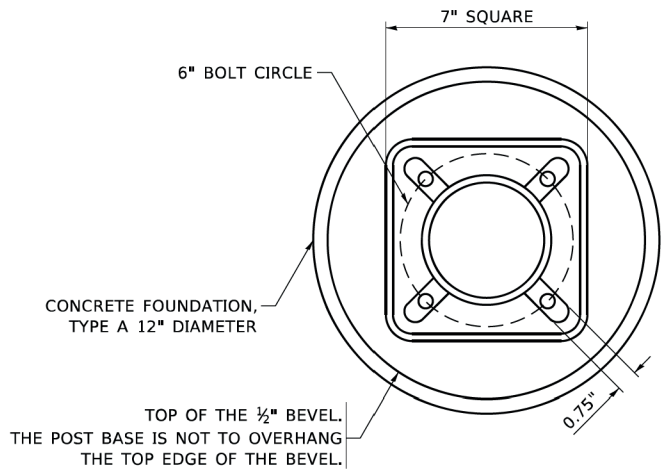
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADDITIONAL DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

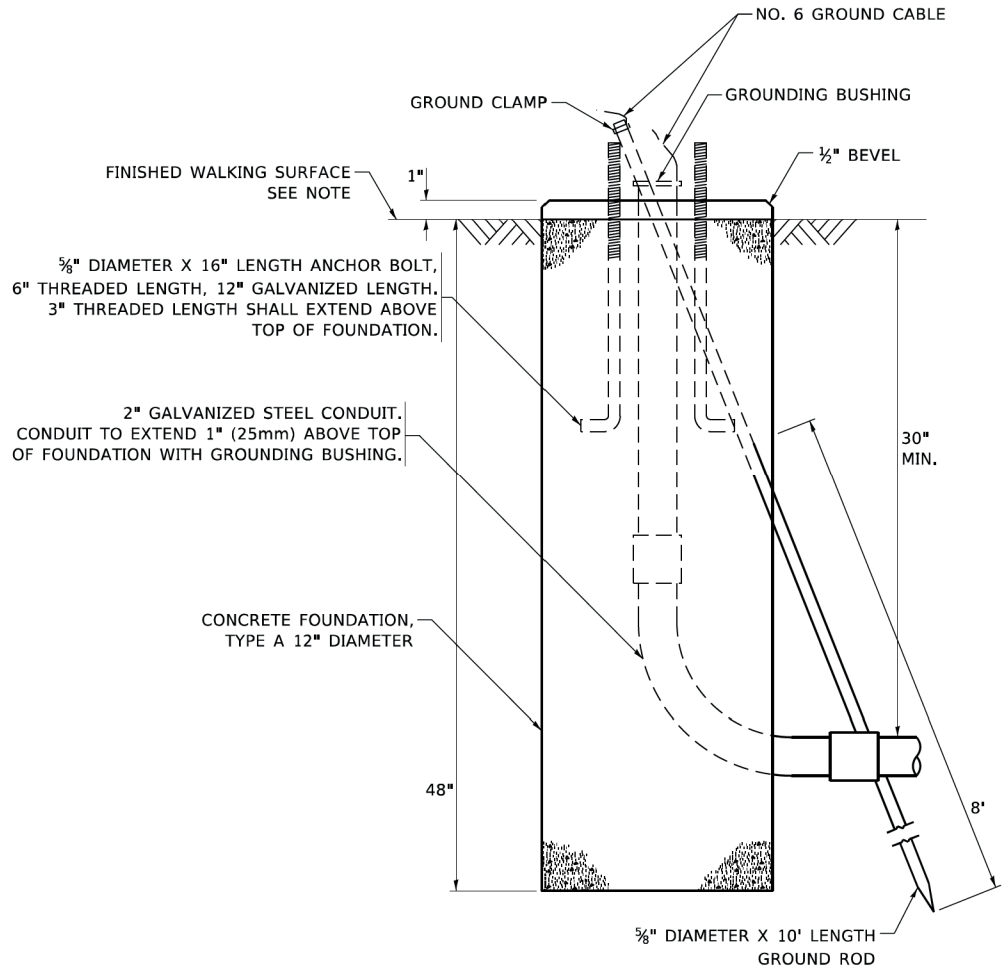
|                    |                |          |                  |           |
|--------------------|----------------|----------|------------------|-----------|
| F.A.P. RTE.        | SECTION        | COUNTY   | TOTAL SHEETS     | SHEET NO. |
|                    | 22-00182-01-TL | DEKALB   | 29 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



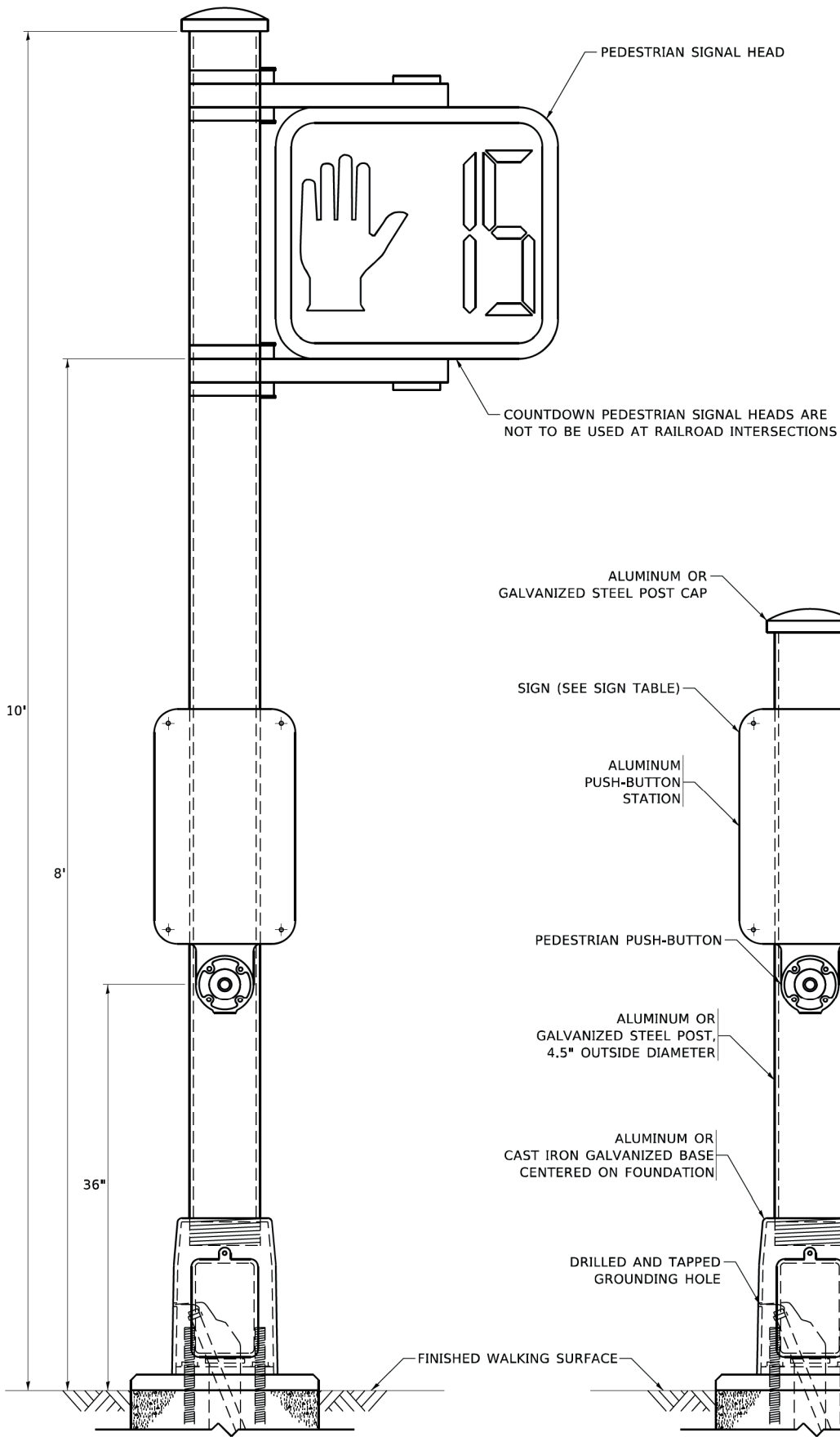


BOLT PATTERN

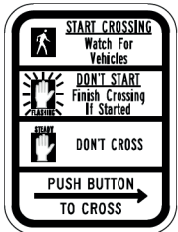
**NOTE:**  
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION,  
TYPE A 12-INCH DIAMETER



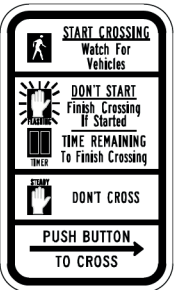
PEDESTRIAN SIGNAL POST, 10 FT.



R10-3b



R10-3d

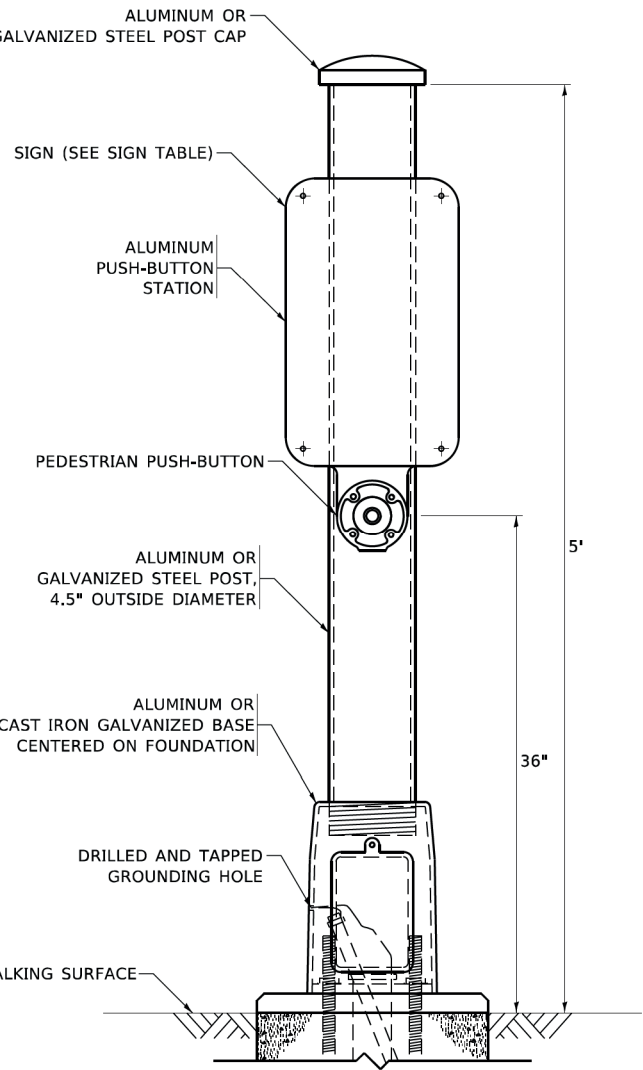


R10-3e

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.



PEDESTRIAN SIGNAL POST, 5 FT.

MODEL: Additional Details-1 [Sheet]  
FILE NAME: G:\ORD\_Projects\6085.900 Dekalb Signals\CADD Data\Sheets\6085.900-ah-details.dgn

|                                |            |           |
|--------------------------------|------------|-----------|
| USER NAME = akopel             | DESIGNED - | REVISED - |
|                                | 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           | 29        |
| CONTRACT NO. 87864        |                |        |              |           |
| ILLINOIS FED. AID PROJECT |                |        |              |           |