

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

|                     |          |              |              |           |
|---------------------|----------|--------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY       | TOTAL SHEETS | SHEET NO. |
| 339                 | 116R-N   | COOK         | 69           | 1         |
| FED. ROAD DIST. NO. | ILLINOIS | CONTRACT NO. | 60X88        |           |

FOR INDEX OF SHEETS, SEE SHEET NO. 2

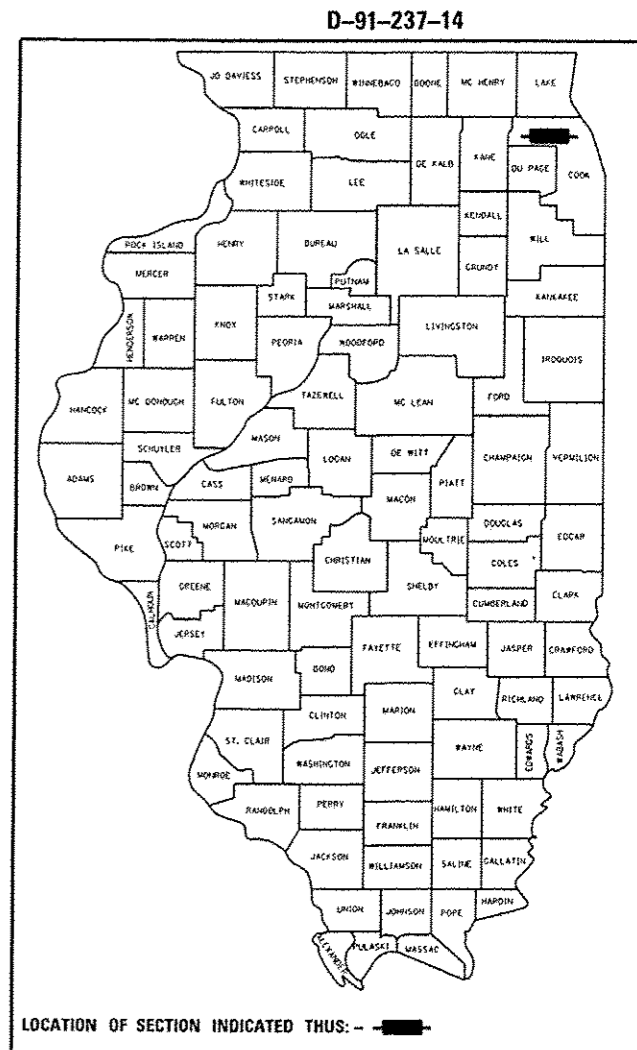
THE IMPROVEMENT IS LOCATED IN THE VILLAGE OF SOUTH BARRINGTON

TRAFFIC DATA

IL 62 (ALGONQUIN RD)  
2013 ADT = 20,000  
SPEED LIMIT = 45 MPH

BARRINGTON RD  
2010 ADT = 20,000  
SPEED LIMIT = 50 MPH

**PROPOSED  
HIGHWAY PLANS**  
F.A.P. ROUTE 339: ILL RTE. 62 (ALGONQUIN RD)  
AT BARRINGTON RD  
SECTION: 116R-N  
TURNING LANE, PATCHING  
PROJECT: ACCMM-ACNHPP-0339(075)  
COOK COUNTY  
C-91-237-14

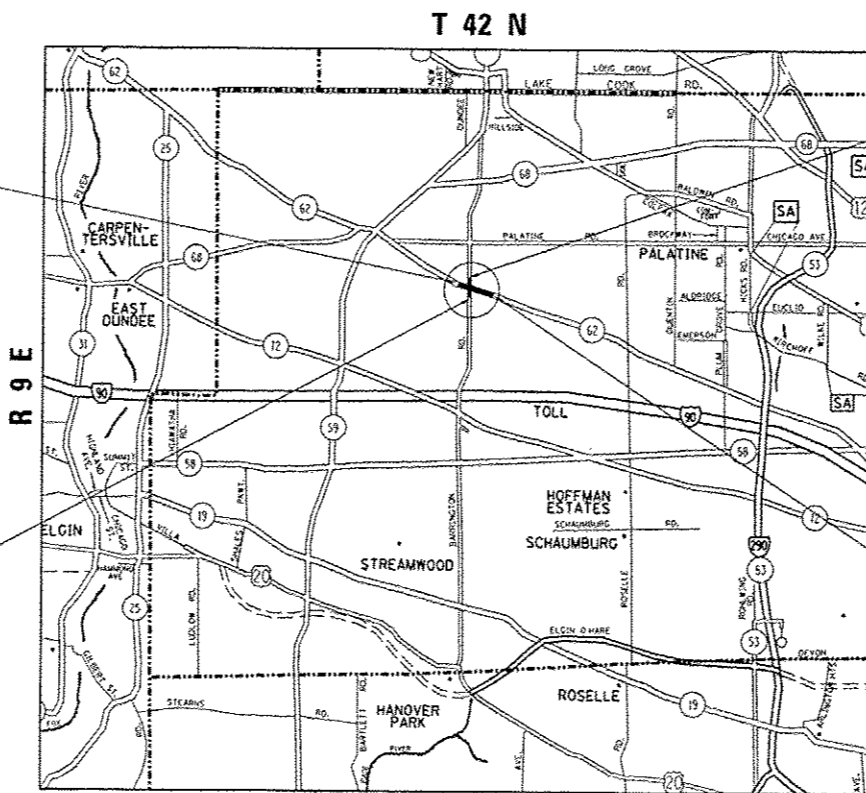


PROJECT BEGINS  
STA 196 + 00

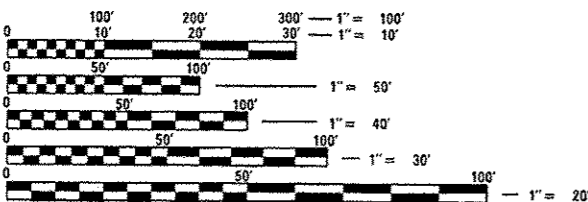
PROJECT LIMITS  
STA 504 + 00

PROJECT LIMITS  
STA 480 + 49.1

PROJECT ENDS  
STA 210 + 00



BARRINGTON TOWNSHIP



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

PROJECT ENGINEER - J. ALAIN MIDY (847) 221-3056  
PROJECT MANAGER - ISSAM RAYYAN (847) 705-4178

IL RTE. 62 - NET LENGTH AND GROSS LENGTH = 1,400 FT = 0.265 MILES  
BARRINGTON RD - NET LENGTH AND GROSS LENGTH = 2553 FT = 0.483 MILES

CONTRACT NO. 60X88

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED May 12 2015  
*John D. Baranzelli*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 26 2015  
*John D. Baranzelli P.E.*  
ENGINEER OF DESIGN AND ENVIRONMENT

June 26 2015  
*Omer Osman P.E.*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

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## LIST OF STATE STANDARDS

| SHEET NO. | DESCRIPTION   |
|-----------|---|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS  |
| 001001-02 | AREAS OF REINFORCEMENT BARS   |
| 280001-07 | TEMPORARY EROSION CONTROL SYSTEMS   |
| 420001-08 | PAVEMENT JOINTS   |
| 420101-05 | 24' (7.2 m) JOINTED PCC PAVEMENT  |
| 424001-08 | PERPENDICULAR CURB RAMPS FOR SIDEWALKS  |
| 424006-02 | DIAGONAL CURB RAMPS FOR SIDEWALKS   |
| 442101-07 | CLASS B PATCHES   |
| 542006-01 | MULTIPLE CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 84" (2100 mm) DIA. |
| 602001-02 | CATCH BASIN TYPE A  |
| 604001-04 | FRAME AND LIDS TYPE 1   |
| 604016-03 | FRAME AND GRATE TYPE 24   |
| 606001-06 | COMBINATION CONCRETE CURB AND GUTTER  |
| 701101-04 | OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE                           |
| 701106-02 | OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE                           |
| 701421-07 | LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH           |
| 701422-07 | LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH                                |
| 701426-07 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION FOR SPEEDS ≥ 45 MPH         |
| 701601-09 | URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN                    |
| 701701-09 | URBAN LANE CLOSURE, MULTILANE INTERSECTION  |
| 701801-05 | SIDEWALK, CORNER, OR CROSSWALK CLOSURE  |
| 701901-04 | TRAFFIC CONTROL DEVICES   |
| 720001-01 | SIGN PANEL MOUNTING DETAILS   |
| 780001-05 | TYPICAL PAVEMENT MARKINGS   |
| 781001-03 | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS                               |
| 814001-03 | HANDHOLES   |
| 814006-02 | DOUBLE HANDHOLES  |
| 857001-01 | STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES                               |
| 862001-01 | UNINTERRUPTABLE POWER SUPPLY (UPS)  |
| 873001-02 | TRAFFIC SIGNAL GROUNDING & BONDING  |
| 876001-03 | PEDESTRIAN PUSH BUTTON POST   |
| 877001-05 | STEEL MAST ARM ASSEMBLY AND POLE 16' TROUGH 55'                                       |
| 878001-10 | CONCRETE FOUNDATIONS DETAILS  |
| 880001-01 | SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION                            |
| 880006-01 | TRAFFIC SIGNAL MOUNTING DETAILS   |
| 886001-01 | DETECTOR LOOP INSTALLATIONS   |
| 886006-01 | TYPICAL LAYOUTS FOR DETECTION LOOPS   |

|             |             |            |           |   |   |                    |         |        |              |           |    |
|-------------|-------------|------------|-----------|---|---|--------------------|---------|--------|--------------|-----------|----|
| FILE NAME : | USER NAME : | DESIGNED : | REVISED : | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>INDEX, STATE STANDARDS, AND GENERAL NOTES<br/>IL. RTE. 62 (ALGONQUIN RD) AT BARRINGTON RD.</b> | F.A.P. RTE.        | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |    |
| ...         | ...         | DRAWN :    | REVISED : |   |   | 339                | 118R-N  | COOK   | 69           | 2         |    |
| ...         | ...         | CHECKED :  | REVISED : |   |   | CONTRACT NO. 60X88 |         |        |              |           |    |
| Default     | ...         | DATE :     | REVISED : |   |   | SCALE:             | SHEET   | OF     | SHEETS       | STA.      | TO |

## GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.

TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE VILLAGE OF SOUTH BARRINGTON.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT (or ISTHA).

USE #8 EPOXY-COATED TIE BARS, CONFORMING TO ART. 1006.10 OF THE STANDARD SPECIFICATIONS, FOR ALL TIE BARS. USE THE "LONGITUDINAL CONSTRUCTION JOINT (TIE BAR GROUTED IN PLACE)" DETAIL SHOWN ON HIGHWAY STANDARD 420001 FOR ALL LONGITUDINAL JOINTS AND FOR TYING PCC PAVEMENT WIDENING TO EXISTING CONCRETE PAVEMENT AS SHOWN ON THE PLANS.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)), WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE ENGINEER SHALL CONTACT JOE ECKERT, AREA TRAFFIC FIELD ENGINEER AT [joe.eckert@illinois.gov](mailto:joe.eckert@illinois.gov) or (224) 217-8632 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

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

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAME AND LID UNLESS OTHERWISE SPECIFIED IN THE PLANS.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.

TOP OF FRAME ("RIM") ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED, AS PART OF THE STRUCTURE COST.

THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.

THE EXISTING STONE STEP STAIRS ACCESS ON THE WALL REMOVAL SHALL BE INCLUDED IN THE COST OF "REMOVE AND SALVAGE LIMESTONE RETAINING WALL BLOCKS"

THE PROPOSED 10' SHARE PATH SHALL FOLLOW THE IDOT HIGHWAY STANDARDS FOR SIDEWALK.

THE ENGINEER SHALL CONTACT THE VILLAGE OF SOUTH BARRINGTON PRIOR TO THE REMOVAL OF THE STONE MONUMENT LOCATED ON THE LIMESTONE RETAINING WALL BLOCKS.

|  |                              |            |           |   |   |                |         |        |                 |                           |
|--|------------------------------|------------|-----------|---|---|----------------|---------|--------|-----------------|---------------------------|
| FILE NAME =                                      | USER NAME = midyja           | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>INDEX, STATE STANDARDS, AND GENERAL NOTES<br/>IL. RTE. 62 (ALGONQUIN RD) AT BARRINGTON RD.</b> | F.A.P.<br>RTE. | SECTION | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO.              |
| 6:\p\work\p\dot\midyja\0249878\121462-Design.dgn |                              | DRAWN -    | REVISED - |   |   | 339            | 116R-N  | COOK   | 69              | 3                         |
| Default  | PLOT SCALE = 100.0000 1/1 in | CHECKED -  | REVISED - |   | SCALE:  |                |         |        |                 |                           |
|  | PLOT DATE = 5/16/2015        | DATE -     | REVISED - |   | SHEET   | OF             | SHEETS  | STA.   | TO              | STA.                      |
|  |                              |            |           |   |   |                |         |        |                 | ILLINOIS FED. AID PROJECT |
|  |                              |            |           |   |   |                |         |        |                 | CONTRACT NO. 60X88        |

| SUMMARY OF QUANTITIES |   |       | CONSTRUCTION TYPE CODE |                                      |                                      |   |  |                                      |
|-----------------------|---|-------|------------------------|--------------------------------------|--------------------------------------|---|--|--------------------------------------|
| CODE NO               | ITEM                                    | UNIT  | TOTAL QUANTITIES       | ROADWAY 0004<br>FED 80%<br>STATE 20% | TRAFFIC 0021<br>FED 80%<br>STATE 20% | TRAFFIC 0021<br>VILLAGE OF<br>HOFFMAN EST.<br>100%<br>EVP | TRAFFIC 0021<br>FED 80%<br>STATE 20%<br>INTERCONNECT | ROADWAY 0005<br>FED 80%<br>STATE 20% |
| X340000               | REMOVE AND SALVAGE LIMESTONE RETENTION  | L SUM | 1                      | 1                                    |                                      |   |  |                                      |
|                       | BLOCK WALLS                             |       |                        |                                      |                                      |   |  |                                      |
| X1400108              | FULL-ACTUATED CONTROLLER AND TYPE SUPER | EACH  | 1                      |                                      | 1                                    |   |  |                                      |
|                       | R CABINET (SPECIAL)                     |       |                        |                                      |                                      |   |  |                                      |
| 20100110              | TREE REMOVAL (6 TO 15 UNITS DIAMETER)   | UNIT  | 194                    | 194                                  |                                      |   |  |                                      |
| 20101000              | TEMPORARY FENCE                         | FOOT  | 900                    | 900                                  |                                      |   |  |                                      |
| 20101200              | TREE ROOT PRUNING                       | EACH  | 8                      | 8                                    |                                      |   |  |                                      |
| 20101300              | TREE PRUNING (1 TO 10 INCH DIAMETER)    | EACH  | 8                      | 8                                    |                                      |   |  |                                      |
| 20101700              | SUPPLEMENTAL WATERING                   | UNIT  | 1                      | 1                                    |                                      |   |  |                                      |
| 20200100              | EARTH EXCAVATION                        | CU YD | 1101                   | 1101                                 |                                      |   |  |                                      |
| 20800150              | TRENCH BACKFILL                         | CU YD | 33.5                   | 33.5                                 |                                      |   |  |                                      |
| X21101505             | TOPSOIL EXCAVATION AND PLACEMENT        | CU YD | 701                    | 701                                  |                                      |   |  |                                      |
| X21101805             | COMPOST FURNISH AND PLACE, 2"           | SO YD | 2779                   | 2779                                 |                                      |   |  |                                      |
| X25000210             | SEEDING, CLASS 2A                       | ACRE  | 0.57                   | 0.57                                 |                                      |   |  |                                      |
| X25000400             | NITROGEN FERTILIZER NUTRIENT            | POUND | 51                     | 51                                   |                                      |   |  |                                      |
| X25000500             | PHOSPHORUS FERTILIZER NUTRIENT          | POUND | 51                     | 51                                   |                                      |   |  |                                      |

| SUMMARY OF QUANTITIES |  |       | CONSTRUCTION TYPE CODE |                                      |                                      |   |  |                                      |
|-----------------------|--|-------|------------------------|--------------------------------------|--------------------------------------|---|--|--------------------------------------|
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| X25000600             | POTASSIUM FERTILIZER NUTRIENT            | POUND | 51                     | 51                                   |                                      |   |  |                                      |
| X25100630             | EROSION CONTROL BLANKET                  | SO YD | 2779                   | 2779                                 |                                      |   |  |                                      |
| 28000250              | TEMPORARY EROSION CONTROL SEEDING        | POUND | 57                     | 57                                   |                                      |   |  |                                      |
| 28000305              | TEMPORARY DITCH CHECKS                   | FOOT  | 48                     | 48                                   |                                      |   |  |                                      |
| 28000315              | AGGREGATE DITCH CHECKS                   | TON   | 2.8                    | 2.8                                  |                                      |   |  |                                      |
| 28000400              | PERIMETER EROSION BARRIER                | FOOT  | 1020                   | 1020                                 |                                      |   |  |                                      |
| 28000510              | INLET FILTERS                            | EACH  | 12                     | 12                                   |                                      |   |  |                                      |
| 28200200              | FILTER FABRIC                            | SO YD | 8                      | 8                                    |                                      |   |  |                                      |
| 30300112              | AGGREGATE SUBGRADE IMPROVEMENT 12"       | SO YD | 659                    | 659                                  |                                      |   |  |                                      |
| 31101200              | SUBBASE GRANULAR MATERIAL, TYPE B 4"     | SO YD | 579                    | 579                                  |                                      |   |  |                                      |
| 40603335              | HOT-MIX ASPHALT SURFACE COURSE, MIX      | TON   | 65                     | 65                                   |                                      |   |  |                                      |
|                       | "0", N50                                 |       |                        |                                      |                                      |   |  |                                      |
| 42000416              | PORTLAND CEMENT CONCRETE PAVEMENT 9      | SO YD | 492                    | 492                                  |                                      |   |  |                                      |
|                       | 3/4" (JOINTED)                           |       |                        |                                      |                                      |   |  |                                      |
| 42001300              | PROTECTIVE COAT                          | SO YD | 907                    | 907                                  |                                      |   |  |                                      |
| 42400200              | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SO FT | 330                    | 330                                  |                                      |   |  |                                      |

14 \*Specialty Items

| SUMMARY OF QUANTITIES |   |       | CONSTRUCTION TYPE CODE |                                   |                                   |  |  |                                   |
|-----------------------|---|-------|------------------------|-----------------------------------|-----------------------------------|--|--|-----------------------------------|
| CODE NO               | ITEM  | UNIT  | TOTAL QUANTITIES       | ROADWAY 0004<br>FED 80% STATE 20% | TRAFFIC 0021<br>FED 80% STATE 20% | TRAFFIC 0021<br>VILLAGE OF HOFFMAN EST. 100% EVP | TRAFFIC 0021<br>FED 80% STATE 20% INTERCONNECT | ROADWAY 0005<br>FED 80% STATE 20% |
| 42400800              | DETECTABLE WARNINGS                                 | SO FT | 58                     | 58                                |                                   |  |  |                                   |
| 44000400              | GUTTER REMOVAL                                      | FOOT  | 91                     | 91                                |                                   |  |  |                                   |
| 44000500              | COMBINATION CURB AND GUTTER REMOVAL                 | FOOT  | 576                    | 576                               |                                   |  |  |                                   |
| 44200994              | CLASS B PATCHES, TYPE II, 12 INCH                   | SO YD | 160                    | 160                               |                                   |  |  |                                   |
| 44200998              | CLASS B PATCHES, TYPE III, 12 INCH                  | SO YD | 40                     | 40                                |                                   |  |  |                                   |
| 44201000              | CLASS B PATCHES, TYPE IV, 12 INCH                   | SO YD | 331                    | 51                                |                                   |  | 280  |                                   |
| 44201299              | DOWEL BARS 1 1/2"                                   | EACH  | 440                    | 416                               |                                   |  | 24   |                                   |
| 44213100              | PAVEMENT FABRIC                                     | SO YD | 371                    | 91                                |                                   |  | 280  |                                   |
| 44213200              | SAW CUTS  | FOOT  | 1905                   | 1359                              |                                   |  | 546  |                                   |
| 44213202              | TIE BARS 1"   | EACH  | 218                    | 38                                |                                   |  | 180  |                                   |
| 54213666              | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21" | EACH  | 1                      | 1                                 |                                   |  |  |                                   |
| 550A0050              | STORM SEWERS, CLASS A, TYPE 1 12"                   | FOOT  | 6                      | 6                                 |                                   |  |  |                                   |
| 550A0070              | STORM SEWERS, CLASS A, TYPE 1 15"                   | FOOT  | 58                     | 58                                |                                   |  |  |                                   |
| 550A0110              | STORM SEWERS, CLASS A, TYPE 1 21"                   | FOOT  | 24                     | 24                                |                                   |  |  |                                   |
| 550A0340              | STORM SEWERS, CLASS A, TYPE 2 12"                   | FOOT  | 25                     | 25                                |                                   |  |  |                                   |
| 550A0380              | STORM SEWERS, CLASS A, TYPE 2 18"                   | FOOT  | 14                     | 14                                |                                   |  |  |                                   |

| SUMMARY OF QUANTITIES |  |      | CONSTRUCTION TYPE CODE |                                   |                                   |  |  |                                   |
|-----------------------|--|------|------------------------|-----------------------------------|-----------------------------------|--|--|-----------------------------------|
| CODE NO               | ITEM   | UNIT | TOTAL QUANTITIES       | ROADWAY 0004<br>FED 80% STATE 20% | TRAFFIC 0021<br>FED 80% STATE 20% | TRAFFIC 0021<br>VILLAGE OF HOFFMAN EST. 100% EVP | TRAFFIC 0021<br>FED 80% STATE 20% INTERCONNECT | ROADWAY 0005<br>FED 80% STATE 20% |
| 55100500              | STORM SEWER REMOVAL 12"                                    | FOOT | 16                     | 16                                |                                   |  |  |                                   |
| 55100700              | STORM SEWER REMOVAL 15"                                    | FOOT | 135                    | 135                               |                                   |  |  |                                   |
| 60107600              | PIPE UNDERDRAINS 4"  | FOOT | 415                    | 415                               |                                   |  |  |                                   |
| 60107900              | PIPE UNDERDRAINS 10"                                       | FOOT | 60                     | 60                                |                                   |  |  |                                   |
| 60200805              | CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE            | EACH | 1                      | 1                                 |                                   |  |  |                                   |
| 60201340              | CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE | EACH | 1                      | 1                                 |                                   |  |  |                                   |
| 60208240              | CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE              | EACH | 4                      | 4                                 |                                   |  |  |                                   |
| 60218400              | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID    | EACH | 3                      | 3                                 |                                   |  |  |                                   |
| 60255800              | MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID  | EACH | 2                      | 2                                 |                                   |  |  |                                   |
| 60260400              | INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID    | EACH | 1                      | 1                                 |                                   |  |  |                                   |
| 60261540              | INLETS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE     | EACH | 1                      | 1                                 |                                   |  |  |                                   |
| 60500040              | REMOVING MANHOLES  | EACH | 1                      | 1                                 |                                   |  |  |                                   |

12

|  |             |            |           |
|--|-------------|------------|-----------|
| FILE NAME :                                      | USER NAME : | DESIGNED - | REVISED - |
| C:\pwwork\swid\mtdy\j010299618-112462-001\p1.dwg | 4 mtdy      | DRAWN -    | REVISED - |
|  |             | CHECKED -  | REVISED - |
|  |             | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL. ROUTE 62 AT BARRINGTON RD.  
SUMMARY OF QUANTITIES**

SCALE: SHEET NO. 2 OF 6 SHEETS STA. TO STA.

|                    |         |        |   |           |
|--------------------|---------|--------|---|-----------|
| F.A.P. RTE.        | SECTION | COUNTY | TOTAL SHEETS                                    | SHEET NO. |
| 339                | 116R-N  | COOK   | 69  | 5         |
| CONTRACT NO. 60X88 |         |        | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |           |

| URBAN   ACCMM   NP   ACCMM   ACCNHPA |   |        |                        |                                   |                                   |  |  |                                   |  | URBAN   ACCMM   NP   ACCMM   ACCNHPA |  |       |                        |                                   |                                   |  |  |                                   |  |
|--------------------------------------|---|--------|------------------------|-----------------------------------|-----------------------------------|--|--|-----------------------------------|--|--------------------------------------|--|-------|------------------------|-----------------------------------|-----------------------------------|--|--|-----------------------------------|--|
| SUMMARY OF QUANTITIES                |   |        | CONSTRUCTION TYPE CODE |                                   |                                   |  |  |                                   |  | SUMMARY OF QUANTITIES                |  |       | CONSTRUCTION TYPE CODE |                                   |                                   |  |  |                                   |  |
| CODE NO                              | ITEM  | UNIT   | TOTAL QUANTITIES       | ROADWAY 0004<br>FED 80% STATE 20% | TRAFFIC 0021<br>FED 80% STATE 20% | TRAFFIC 0021<br>VILLAGE OF HOFFMAN EST. 100% EVP | TRAFFIC 0021<br>FED 80% STATE 20% INTERCONNECT | ROADWAY 0005<br>FED 80% STATE 20% |  | CODE NO                              | ITEM   | UNIT  | TOTAL QUANTITIES       | ROADWAY 0004<br>FED 80% STATE 20% | TRAFFIC 0021<br>FED 80% STATE 20% | TRAFFIC 0021<br>VILLAGE OF HOFFMAN EST. 100% EVP | TRAFFIC 0021<br>FED 80% STATE 20% INTERCONNECT | ROADWAY 0005<br>FED 80% STATE 20% |  |
| 6050060                              | REMOVING INLETS                                   | EACH   | 4                      | 4                                 |                                   |  |  |                                   |  | * 72400720                           | RELOCATE SIGN PANEL - TYPE 2                           | SQ FT | 15                     |                                   | 15                                |  |  |                                   |  |
| 60605000                             | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 | FOOT   | 568                    | 568                               |                                   |  |  |                                   |  | * 78008200                           | POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS | SQ FT | 471.9                  | 471.9                             |                                   |  |  |                                   |  |
| * 66900450                           | SPECIAL WASTE PLANS AND REPORTS                   | LSUM   | 1                      | 1                                 |                                   |  |  |                                   |  | * 78008210                           | POLYUREA PAVEMENT MARKING TYPE I - LINE 4"             | FOOT  | 11471                  | 11471                             |                                   |  |  |                                   |  |
| 67000400                             | ENGINEER'S FIELD OFFICE, TYPE A                   | CAL MO | 9                      | 9                                 |                                   |  |  |                                   |  | * 78008230                           | POLYUREA PAVEMENT MARKING TYPE I - LINE 6"             | FOOT  | 2067                   | 2067                              |                                   |  |  |                                   |  |
| 67100100                             | MOBILIZATION                                      | L SUM  | 1                      | 1                                 |                                   |  |  |                                   |  |                                      |  |       |                        |                                   |                                   |  |  |                                   |  |
| 70103815                             | TRAFFIC CONTROL SURVEILLANCE                      | CAL DA | 90                     | 90                                |                                   |  |  |                                   |  | * 78008250                           | POLYUREA PAVEMENT MARKING TYPE I - LINE 12"            | FOOT  | 573                    | 573                               |                                   |  |  |                                   |  |
| 70300100                             | SHORT TERM PAVEMENT MARKING                       | FOOT   | 1580                   | 1580                              |                                   |  |  |                                   |  | * 78008270                           | POLYUREA PAVEMENT MARKING TYPE I - LINE 24"            | FOOT  | 180                    | 180                               |                                   |  |  |                                   |  |
| 70300210                             | TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS    | SQ FT  | 471.9                  | 471.9                             |                                   |  |  |                                   |  | * 78100100                           | RAISED REFLECTIVE PAVEMENT MARKER                      | EACH  | 17                     | 17                                |                                   |  |  |                                   |  |
| 70300220                             | TEMPORARY PAVEMENT MARKING - LINE 4"              | FOOT   | 11471                  | 11471                             |                                   |  |  |                                   |  | * 78300100                           | PAVEMENT MARKING REMOVAL                               | SQ FT | 5806.8                 | 5806.8                            |                                   |  |  |                                   |  |
| 70300240                             | TEMPORARY PAVEMENT MARKING - LINE 6"              | FOOT   | 2067                   | 2067                              |                                   |  |  |                                   |  | * 80500020                           | SERVICE INSTALLATION - POLE MOUNTED                    | EACH  | 1                      |                                   | 1                                 |  |  |                                   |  |
| 70300260                             | TEMPORARY PAVEMENT MARKING - LINE 12"             | FOOT   | 573                    | 573                               |                                   |  |  |                                   |  | * 81028200                           | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.         | FOOT  | 812                    |                                   | 594                               |  | 218  |                                   |  |
| 70300280                             | TEMPORARY PAVEMENT MARKING - LINE 24"             | FOOT   | 180                    | 180                               |                                   |  |  |                                   |  | * 81028210                           | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.     | FOOT  | 25                     |                                   | 25                                |  |  |                                   |  |
| 70301000                             | WORK ZONE PAVEMENT MARKING REMOVAL                | SQ FT  | 1819.9                 | 1819.9                            |                                   |  |  |                                   |  | * 81028220                           | UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.         | FOOT  | 26                     |                                   | 26                                |  |  |                                   |  |
| * 72000100                           | SIGN PANEL - TYPE 1                               | SQ FT  | 60                     |                                   | 60                                |  |  |                                   |  |                                      |  |       |                        |                                   |                                   |  |  |                                   |  |
| * 72400310                           | REMOVE SIGN PANEL - TYPE 1                        | SQ FT  | 40                     |                                   | 40                                |  |  |                                   |  | 12                                   |  |       |                        |                                   |                                   |  |  |                                   |  |

|                                   |                   |            |           |   |  |  |  |   |  |  |  |                    |                |             |                 |             |  |
|-----------------------------------|-------------------|------------|-----------|---|--|--|--|---|--|--|--|--------------------|----------------|-------------|-----------------|-------------|--|
| FILE NAME +                       | USER NAME + mdyjo | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |  |  |  | IL. ROUTE 62 AT BARRINGTON RD.<br>SUMMARY OF QUANTITIES |  |  |  | F.A.P. RTE. 339    | SECTION 116R-N | COUNTY COOK | TOTAL SHEETS 69 | SHEET NO. 6 |  |
| PLOT SCALE + 100/2000' = 1" = 10' |                   | CHECKED -  | REVISED - | SCALE:  |  |  |  | SHEET NO. 3 OF 6 SHEETS STA. TO STA.                    |  |  |  | CONTRACT NO. 60X88 |                |             |                 |             |  |
| PLOT DATE + 5/15/2015             |                   | DATE -     | REVISED - | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT   |  |  |  |   |  |  |  |                    |                |             |                 |             |  |

\* SPECIALTY ITEMS

| SUMMARY OF QUANTITIES |  |      |                  | CONSTRUCTION TYPE CODE |                   |                                  |                                |                   |            | SUMMARY OF QUANTITIES   |      |                  |                   | CONSTRUCTION TYPE CODE |                                  |                                |                   |  |  |
|-----------------------|--|------|------------------|------------------------|-------------------|----------------------------------|--------------------------------|-------------------|------------|---|------|------------------|-------------------|------------------------|----------------------------------|--------------------------------|-------------------|--|--|
| CODE NO               | ITEM   | UNIT | TOTAL QUANTITIES | ROADWAY                | TRAFFIC           | TRAFFIC                          | TRAFFIC                        | ROADWAY           | CODE NO    | ITEM  | UNIT | TOTAL QUANTITIES | ROADWAY           | TRAFFIC                | TRAFFIC                          | TRAFFIC                        | ROADWAY           |  |  |
|                       |  |      |                  | 0004                   | 0021              | 0021                             | 0021                           | 0005              |            |   |      |                  | 0004              | 0021                   | 0021                             | 0021                           | 0005              |  |  |
|                       |  |      |                  | FED 80% STATE 20%      | FED 80% STATE 20% | VILLAGE OF HOFFMAN EST. 100% EVP | FED 80% STATE 20% INTERCONNECT | FED 80% STATE 20% |            |   |      |                  | FED 80% STATE 20% | FED 80% STATE 20%      | VILLAGE OF HOFFMAN EST. 100% EVP | FED 80% STATE 20% INTERCONNECT | FED 80% STATE 20% |  |  |
| * 81028240            | UNDERGROUND CONDUIT, GALVANIZED STEEL,<br>4" DIA.      | FOOT | 296              |                        | 296               |                                  |                                |                   | * 87301305 | ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.<br>14 1 PAIR                  | FOOT | 5179             |                   | 5179                   |                                  |                                |                   |  |  |
| * 81028250            | UNDERGROUND CONDUIT, GALVANIZED STEEL,<br>5" DIA.      | FOOT | 22               |                        | 22                |                                  |                                |                   | * 87301805 | ELECTRIC CABLE IN CONDUIT, SERVICE, NO.<br>6 2 C                      | FOOT | 187              |                   | 187                    |                                  |                                |                   |  |  |
| * 81400100            | HANDHOLE   | EACH | 1                |                        | 1                 |                                  |                                |                   | * 87301900 | ELECTRIC CABLE IN CONDUIT, EQUIPMENT<br>GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 638              |                   | 638                    |                                  |                                |                   |  |  |
| * 81400300            | DOUBLE HANDHOLE  | EACH | 2                |                        | 2                 |                                  |                                |                   | * 87502500 | TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.                          | EACH | 1                |                   | 1                      |                                  |                                |                   |  |  |
| * 85000200            | MAINTENANCE OF EXISTING TRAFFIC SIGNAL<br>INSTALLATION | EACH | 2                |                        |                   |                                  | 2                              |                   | * 87700260 | STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.                              | EACH | 1                |                   | 1                      |                                  |                                |                   |  |  |
| * 86400100            | TRANSCEIVER - FIBER OPTIC                              | EACH | 1                |                        |                   |                                  | 1                              |                   | * 87800100 | CONCRETE FOUNDATION, TYPE A   | FOOT | 8                |                   | 8                      |                                  |                                |                   |  |  |
| * 87300925            | ELECTRIC CABLE IN CONDUIT, TRACER, NO.<br>14 1C        | FOOT | 4323             |                        |                   |                                  | 4323                           |                   | * 87800150 | CONCRETE FOUNDATION, TYPE C   | FOOT | 4                |                   | 4                      |                                  |                                |                   |  |  |
| * 87301215            | ELECTRIC CABLE IN CONDUIT, SIGNAL NO.<br>14 2C         | FOOT | 242              |                        | 242               |                                  |                                |                   | * 87800415 | CONCRETE FOUNDATION, TYPE E 36-INCH<br>DIAMETER                       | FOOT | 13               |                   | 13                     |                                  |                                |                   |  |  |
| * 87301225            | ELECTRIC CABLE IN CONDUIT, SIGNAL NO.<br>14 3C         | FOOT | 1279             |                        | 209               | 1070                             |                                |                   | * 87900200 | DRILL EXISTING HANDHOLE   | EACH | 1                |                   | 1                      |                                  |                                |                   |  |  |
| * 87301245            | ELECTRIC CABLE IN CONDUIT, SIGNAL NO.<br>14 5C         | FOOT | 4267             |                        | 4267              |                                  |                                |                   | * 88030100 | SIGNAL HEAD, LED, 1-FACE, 5-SECTION,<br>BRACKET MOUNTED               | EACH | 1                |                   | 1                      |                                  |                                |                   |  |  |
| * 87301255            | ELECTRIC CABLE IN CONDUIT, SIGNAL NO.<br>14 7C         | FOOT | 1127             |                        | 1127              |                                  |                                |                   | * 88030110 | SIGNAL HEAD, LED, 1-FACE, 5-SECTION,<br>MAST-ARM MOUNTED              | EACH | 1                |                   | 1                      |                                  |                                |                   |  |  |

|  |                    |            |           |   |   |        |      |                    |         |        |              |           |
|--|--------------------|------------|-----------|---|---|--------|------|--------------------|---------|--------|--------------|-----------|
| FILE NAME =  | USER NAME = n10y10 | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | IL. ROUTE 62 AT BARRINGTON RD.<br>SUMMARY OF QUANTITIES |        |      | F.A.P. RIE.        | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| c:\p1\work\p10r\m10y10\022967\0\PI242\2-Design.dwg |                    | DRAWN -    | REVISED - |   | 339   | 116R-N | COOK | 69                 | 7       |        |              |           |
| PLOT SCALE = 100.0000' / 1"                        |                    | CHECKED -  | REVISED - |   | SCALE: SHEET NO. 4 OF 6 SHEETS STA. TO STA.             |        |      | CONTRACT NO. 60X88 |         |        |              |           |
| PLOT DATE = 5/15/2005                              |                    | DATE -     | REVISED - |   | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT         |        |      |                    |         |        |              |           |

\* SPECIALTY ITEMS

| SUMMARY OF QUANTITIES |  |      | CONSTRUCTION TYPE CODE |                                   |                                   |  |  |                                   | SUMMARY OF QUANTITIES |  |      | CONSTRUCTION TYPE CODE |                                   |                                   |  |  |                                   |
|-----------------------|--|------|------------------------|-----------------------------------|-----------------------------------|--|--|-----------------------------------|-----------------------|--|------|------------------------|-----------------------------------|-----------------------------------|--|--|-----------------------------------|
| CODE NO               | ITEM   | UNIT | TOTAL QUANTITIES       | ROADWAY 0004<br>FED 80% STATE 20% | TRAFFIC 0021<br>FED 80% STATE 20% | TRAFFIC 0021<br>VILLAGE OF HOFFMAN EST. 100% EVF | TRAFFIC 0021<br>FED 80% STATE 20% INTERCONNECT | ROADWAY 0005<br>FED 80% STATE 20% | CODE NO               | ITEM   | UNIT | TOTAL QUANTITIES       | ROADWAY 0004<br>FED 80% STATE 20% | TRAFFIC 0021<br>FED 80% STATE 20% | TRAFFIC 0021<br>VILLAGE OF HOFFMAN EST. 100% EVF | TRAFFIC 0021<br>FED 80% STATE 20% INTERCONNECT | ROADWAY 0005<br>FED 80% STATE 20% |
| * 88200410            | TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC                 | EACH | 1                      |                                   | 1                                 |  |  |                                   | * 89502375            | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT   | EACH | 1                      |                                   | 1                                 |  |  |                                   |
| * 88500100            | INDUCTIVE LOOP DETECTOR  | EACH | 14                     |                                   | 14                                |  |  |                                   | * 89502380            | REMOVE EXISTING HANDHOLE   | EACH | 1                      |                                   | 1                                 |  |  |                                   |
| * 88600100            | DETECTOR LOOP, TYPE I  | FOOT | 114                    |                                   | 114                               |  |  |                                   | * 89502382            | REMOVE EXISTING DOUBLE HANDHOLE  | EACH | 1                      |                                   | 1                                 |  |  |                                   |
| * 89000100            | TEMPORARY TRAFFIC SIGNAL INSTALLATION                              | EACH | 1                      |                                   | 1                                 |  |  |                                   | * 89502385            | REMOVE EXISTING CONCRETE FOUNDATION  | EACH | 4                      |                                   | 4                                 |  |  |                                   |
| * 89500100            | RELOCATE EXISTING SIGNAL HEAD                                      | EACH | 6                      |                                   | 6                                 |  |  |                                   | * A2002920            | TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED               | EACH | 6                      | 6                                 |                                   |  |  |                                   |
| * 89500200            | RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD                           | EACH | 1                      |                                   | 1                                 |  |  |                                   | * A2004516            | TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2" CALIPER, BALLED AND BURLAPPED | EACH | 3                      | 3                                 |                                   |  |  |                                   |
| * 89500400            | RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON                           | EACH | 2                      |                                   | 2                                 |  |  |                                   | * A2006520            | TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED                    | EACH | 3                      | 3                                 |                                   |  |  |                                   |
| * 89501150            | RELOCATE EXISTING TRAFFIC SIGNAL POST                              | EACH | 1                      |                                   | 1                                 |  |  |                                   | * A2016616            | TREE, QUERCUS ELLIPSOIDALIS (HILL'S OAK), 2" CALIPER, BALLED AND BURLAPPED                       | EACH | 3                      | 3                                 |                                   |  |  |                                   |
| * 89501400            | RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT | EACH | 1                      |                                   |                                   | 1  |  |                                   | * A2064012            | TREE, QUERCUS ALBA X ROBUR CRIMSCHMIDT (CRIMSON SPIRE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED | EACH | 1                      | 1                                 |                                   |  |  |                                   |
| * 89501410            | RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT  | EACH | 1                      |                                   |                                   | 1  |  |                                   | * D2002288            | EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED          | EACH | 8                      | 8                                 |                                   |  |  |                                   |
| * 89502300            | REMOVE ELECTRIC CABLE FROM CONDUIT                                 | FOOT | 15746                  |                                   | 8043                              |  | 7703   |                                   |                       |  |      |                        |                                   |                                   |  |  |                                   |
| * 89502350            | REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT                   | FOOT | 1832                   |                                   | 1832                              |  |  |                                   |                       |  |      |                        |                                   |                                   |  |  |                                   |

12



| SUMMARY OF QUANTITIES |  |       | TOTAL QUANTITIES | CONSTRUCTION TYPE CODE |                   |                                  |                                |                   |  |
|-----------------------|--|-------|------------------|------------------------|-------------------|----------------------------------|--------------------------------|-------------------|--|
| CODE NO               | ITEM   | UNIT  |                  | ROADWAY 0004           | TRAFFIC 0021      | TRAFFIC 0021                     | TRAFFIC 0021                   | ROADWAY 0005      |  |
|                       |  |       |                  | FED 80% STATE 20%      | FED 80% STATE 20% | VILLAGE OF HOFFMAN EST. 100% EVP | FED 80% STATE 20% INTERCONNECT | FED 80% STATE 20% |  |
| * X0324085            | EMERGENCY VEHICLE PRIORITY SYSTEM LINE                           | FOOT  | 1070             |                        |                   | 1070                             |                                |                   |  |
|                       | SENSOR CABLE, NO. 20 3/C   |       |                  |                        |                   |                                  |                                |                   |  |
| * X0324599            | ROD AND CLEAN EXISTING CONDUIT                                   | FOOT  | 100              | 100                    |                   |                                  |                                |                   |  |
| X0327036              | BIKE PATH REMOVAL  | SQ YD | 586              | 586                    |                   |                                  |                                |                   |  |
| X5537900              | STORM SEWERS TO BE CLEANED 15"                                   | FOOT  | 100              | 100                    |                   |                                  |                                |                   |  |
| X7010216              | TRAFFIC CONTROL AND PROTECTION, (SPECIAL)                        | L SUM | 1                | .9                     |                   |                                  | .1                             |                   |  |
| X7030025              | WET REFLECTIVE TEMPORARY TAPE, TYPE III<br>- LETTERS AND SYMBOLS | SQ FT | 254.6            | 254.6                  |                   |                                  |                                |                   |  |
| X7030030              | WET REFLECTIVE TEMPORARY TAPE TYPE III,<br>4 INCH                | FOOT  | 3380             | 3380                   |                   |                                  |                                |                   |  |
| X7030040              | WET REFLECTIVE TEMPORARY TAPE TYPE III,<br>6 INCH                | FOOT  | 717              | 717                    |                   |                                  |                                |                   |  |
| X7030050              | WET REFLECTIVE TEMPORARY TAPE TYPE III,<br>12 INCH               | FOOT  | 154              | 154                    |                   |                                  |                                |                   |  |
| X7030055              | WET REFLECTIVE TEMPORARY TAPE TYPE III,<br>24 INCH               | FOOT  | 96               | 96                     |                   |                                  |                                |                   |  |
| X8100105              | CONDUIT SPLICE   | EACH  | 3                | 2                      |                   | 1                                |                                |                   |  |

| SUMMARY OF QUANTITIES |   |       | TOTAL QUANTITIES | CONSTRUCTION TYPE CODE |                   |                                  |                                |                   |  |
|-----------------------|---|-------|------------------|------------------------|-------------------|----------------------------------|--------------------------------|-------------------|--|
| CODE NO               | ITEM  | UNIT  |                  | ROADWAY 0004           | TRAFFIC 0021      | TRAFFIC 0021                     | TRAFFIC 0021                   | ROADWAY 0005      |  |
|                       |   |       |                  | FED 80% STATE 20%      | FED 80% STATE 20% | VILLAGE OF HOFFMAN EST. 100% EVP | FED 80% STATE 20% INTERCONNECT | FED 80% STATE 20% |  |
| * X8600105            | MASTER CONTROLLER (SPECIAL)                                     | EACH  | 1                |                        |                   |                                  | 1                              |                   |  |
| * X8620200            | UNINTERRUPTABLE POWER SUPPLY, SPECIAL                           | EACH  | 1                | 1                      |                   |                                  |                                |                   |  |
| * X8710024            | FIBER OPTIC CABLE IN CONDUIT, NO.<br>62.5/125, MM12F SM24F      | FOOT  | 4323             |                        |                   |                                  | 4323                           |                   |  |
| Z0004562              | COMBINATION CONCRETE CURB AND GUTTER<br>REMOVAL AND REPLACEMENT | FOOT  | 445              | 445                    |                   |                                  |                                |                   |  |
| Z0013798              | CONSTRUCTION LAYOUT   | L SUM | 1                | 1                      |                   |                                  |                                |                   |  |
| Z0018500              | DRAINAGE STRUCTURES TO BE CLEANED                               | EACH  | 1                | 1                      |                   |                                  |                                |                   |  |
| Z0018600              | DRAINAGE STRUCTURES TO BE RECONSTRUCTED                         | EACH  | 2                | 2                      |                   |                                  |                                |                   |  |
| Z0030850              | TEMPORARY INFORMATION SIGNING                                   | SQ FT | 102.8            | 102.8                  |                   |                                  |                                |                   |  |
| * Z0033046            | RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2                       | EACH  | 1                |                        |                   |                                  | 1                              |                   |  |
| * Z0073510            | TEMPORARY TRAFFIC SIGNAL TIMING                                 | EACH  | 1                | 1                      |                   |                                  |                                |                   |  |

100% STATE

|                                      |                    |             |            |
|--------------------------------------|--------------------|-------------|------------|
| FILE NAME: C:\p1\h110105\h110105.dwg | USER NAME: h110105 | DESIGNED: - | REVISED: - |
| PLOT SCALE: 100.0000' = 1"           | CHECKED: -         | DRAWN: -    | REVISED: - |
| PLOT DATE: 5/15/2005                 | DATE: -            | DATE: -     | REVISED: - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

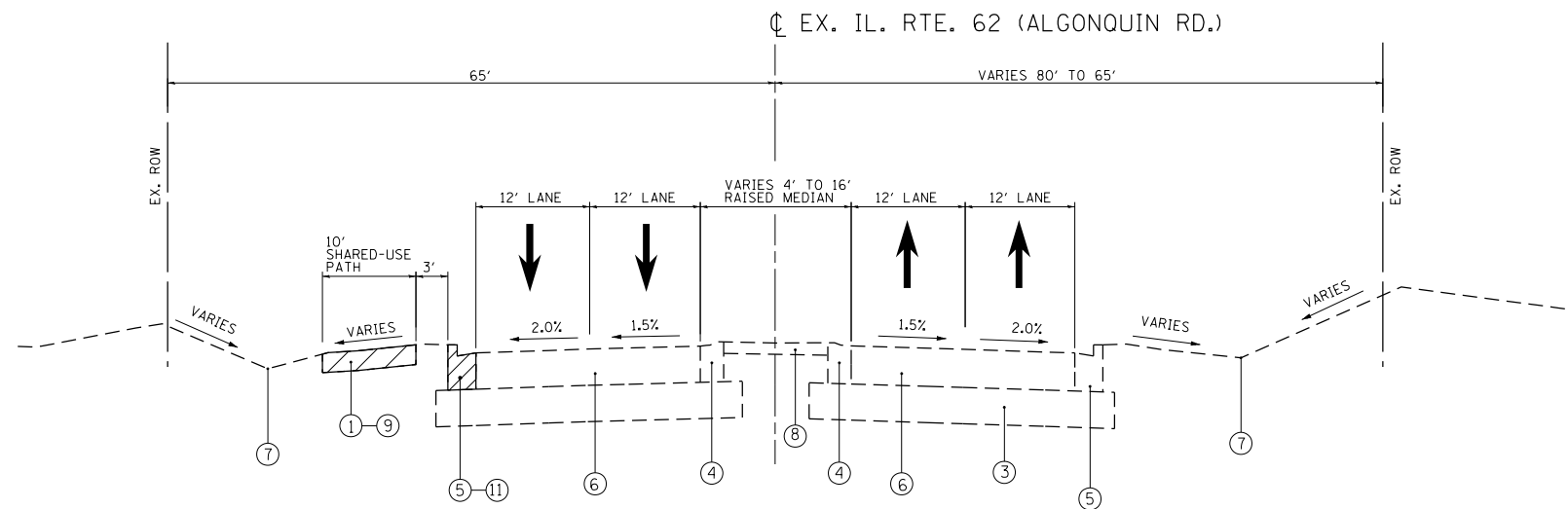
IL ROUTE 62 AT BARRINGTON RD.  
SUMMARY OF QUANTITIES

SCALE: SHEET NO. 6 OF 6 SHEETS STA. TO STA.

|                    |                |             |   |             |
|--------------------|----------------|-------------|---|-------------|
| F.A.R. RTE. 339    | SECTION 116R-N | COUNTY COOK | TOTAL SHEETS 69                                 | SHEET NO. 9 |
| CONTRACT NO. 60X88 |                |             | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |             |

\* SPECIALTY ITEMS



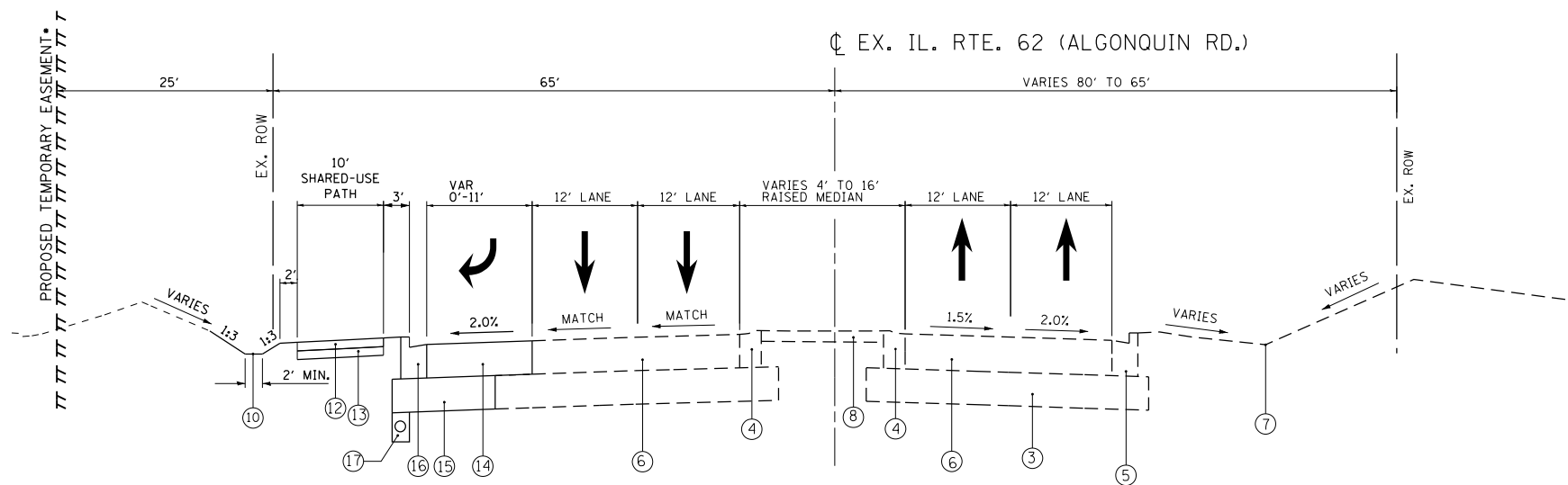


**EXISTING TYPICAL SECTION**

STA. 200+70 TO STA. 208+23

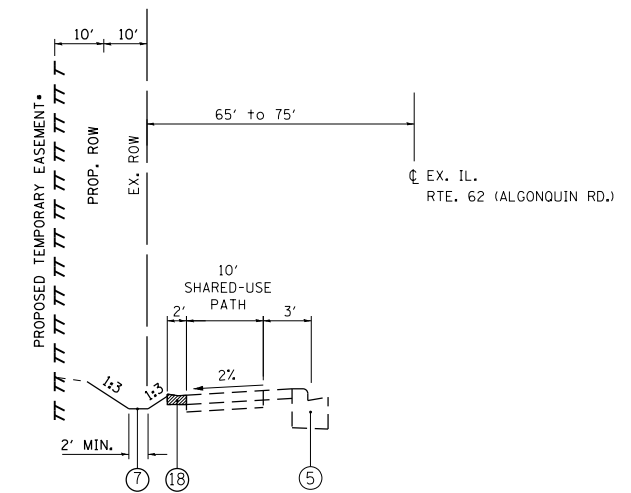
**LEGEND**

- ① EXISTING BIKE PATH
- ② EXISTING RETAINING WALL (TO BE REMOVED)
- ③ EXISTING AGGREGATE SUB-BASE 12"
- ④ EXISTING COMBINATION CONCRETE C&G, TYPE M-6.12
- ⑤ EXISTING COMBINATION CONCRETE C&G, TYPE B-6.24
- ⑥ EXISTING PCC PAVEMENT 9¾"
- ⑦ EXISTING DITCH
- ⑧ EXISTING CONCRETE MEDIAN
- ⑨ PROPOSED BIKE PATH REMOVAL
- ⑩ PROPOSED DITCH
- ⑪ PROPOSED CURB & GUTTER REMOVAL
- ⑫ PROPOSED HMA SURFACE COURSE MIX "D" N50, 2"
- ⑬ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ⑭ PROPOSED PCC PAVEMENT, 9¾" (JOINTED)
- ⑮ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑯ PROPOSED COMBINATION CONCRETE C&G, TYPE B-6.24
- ⑰ PROPOSED PIPE UNDERDRAIN, 4"
- ⑱ PROPOSED CONCRETE GUTTER REMOVAL



**PROPOSED TYPICAL SECTION**

STA. 200+70 TO STA. 205+33



**PROPOSED TYPICAL SECTION**

STA. 208+33 TO STA. 209+24

|   |                              |            |           |
|---|------------------------------|------------|-----------|
| FILE NAME =   | USER NAME = midyja           | DESIGNED - | REVISED - |
| et:\pw\work\p124612\midyja\0299678\PI24612-Design.dgn |                              | DRAWN -    | REVISED - |
| Default   | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 5/15/2015        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 62 (ALGONQUIN RD.)  
TYPICAL SECTIONS**

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

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 339                       | 116R-N  | COOK   | 69           | 11        |
| CONTRACT NO. 60X88        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

# EARTHWORK SCHEDULE

| IL RTE 62 AT BARRINGTON RD | EARTH EXCAVATION<br>(CU. YD.) | TOP SOIL EXCAVATION<br>(CU. YD.) | EXCAVATION USED AS<br>EMBANKMENT<br>(SHRINKAGE 15%) (CU. YD.) | EXCAVATION USED AS<br>TOP SOIL EXCAVATION<br>(SHRINKAGE 15%) (CU. YD.) | EMBANKMENT<br>(CU. YD.) | TOP SOIL PLACEMENT<br>(CU. YD.) | EARTH WORK BALANCE<br>SURPLUS (+) OR SHORTAGE (-)<br>(CU. YD.) | TOP SOIL BALANCE<br>SURPLUS (+) OR SHORTAGE (-)<br>(CU. YD.) |
|----------------------------|-------------------------------|----------------------------------|---|--|-------------------------|---------------------------------|--|--|
| STAGE I                    | 1101                          | 701                              | 936   | 595  | 92                      | 463                             | 844  | 132  |
| <b>TOTAL</b>               | 1101                          | 701                              | 936   | 595  | 92                      | 463                             | 844  | 132  |

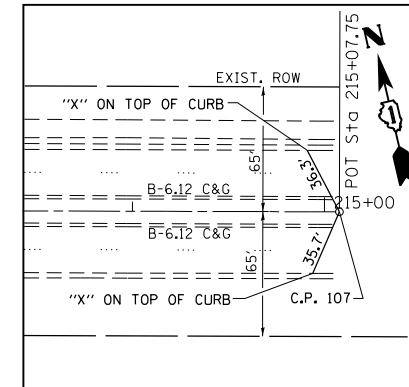
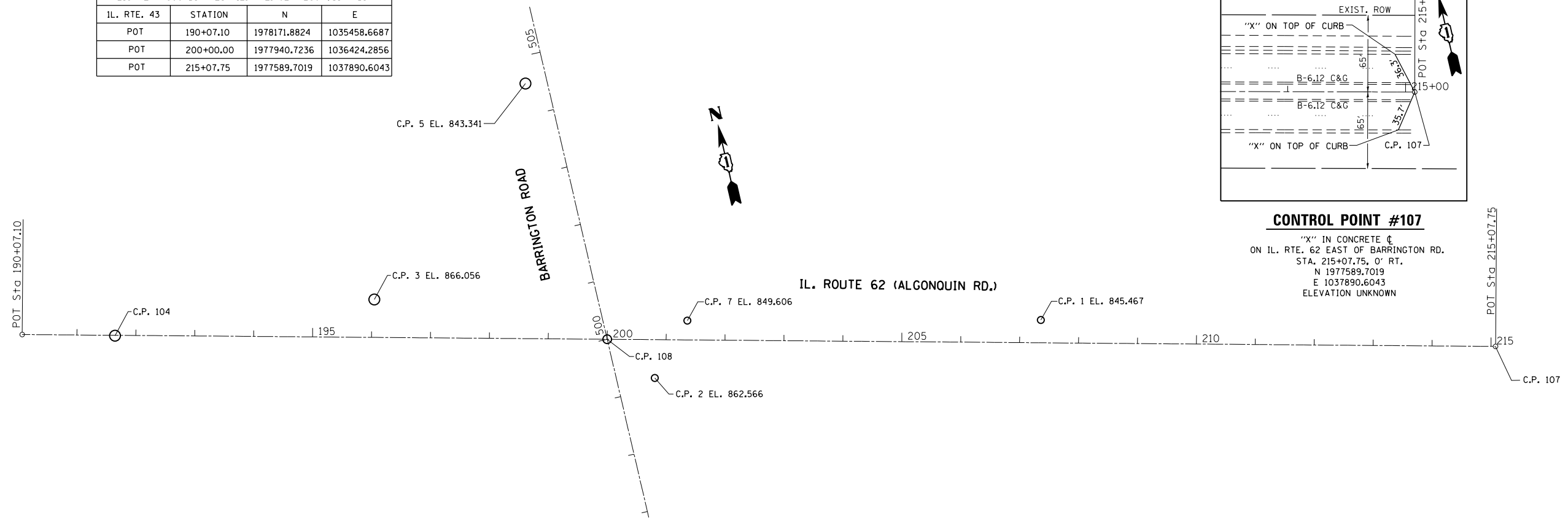
## TREE REMOVAL SCHEDULE

| STATION      | OFFSET/SIDE<br>(FEET)          | 6 TO 15 UNIT<br>(DIA.) | OVER 15 UNIT<br>(DIA.) |
|--------------|--------------------------------|------------------------|------------------------|
| 200+65       | 68' L                          | 15                     |                        |
| 200+90       | 80' L                          | 6                      |                        |
| 201+05       | 80' L                          | 8                      |                        |
| 201+41       | 70' L                          | 6                      |                        |
| 201+48       | 72' L                          | 8                      |                        |
| 201+67       | 77' L                          | 10                     |                        |
| 201+71       | 71' L                          | 10                     |                        |
| 201+92       | 76' L                          | 8                      |                        |
| 202+05       | 77' L                          | 6                      |                        |
| 202+10       | 56' L                          | 6                      |                        |
| 202+27       | 71' L                          | 7                      |                        |
| 202+43       | 69' L                          | 8                      |                        |
| 202+92       | 58' L                          | 10                     |                        |
| 202+93       | 71' L                          | 8                      |                        |
| 203+15       | 61' L                          | 12                     |                        |
| 203+15       | 61' L                          | 8                      |                        |
| 203+15       | 61' L                          | 11                     |                        |
| 203+25       | 70' L                          | 7                      |                        |
| 203+51       | 56' L                          | 10                     |                        |
| 208+45       | 81' L                          | 12                     |                        |
| 208+70       | 82' L                          | 8                      |                        |
| 209+00       | 80' L                          | 10                     |                        |
| <b>TOTAL</b> | <b>6 TO 15 UNIT DIA. = 194</b> |                        |                        |
|              | <b>OVER 15 UNIT DIA. = 0</b>   |                        |                        |

## CLASS B PATCHING SCHEDULE

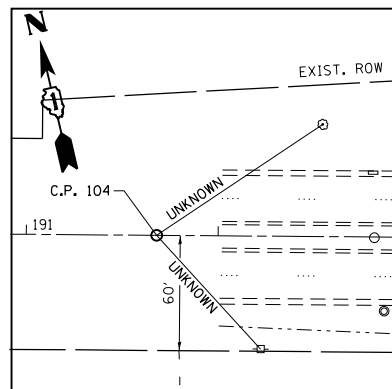
| WB OF IL RTE. 62         | TURN LANE        |    |      | LANE 1        |   |    | LANE 2        |     |      |
|--------------------------|------------------|----|------|---------------|---|----|---------------|-----|------|
|                          | W                | L  | SY   | W             | L | SY | W             | L   | SY   |
| 200+00                   |                  |    |      |               |   |    | 12            | 6   | 8    |
| 200+80                   |                  |    |      |               |   |    | 12            | 6   | 8    |
| 201+00                   | 12               | 6  | 8    | 12            | 6 | 8  | 12            | 6   | 8    |
| 201+57                   | 12               | 10 | 13.3 |               |   |    | 12            | 6   | 8    |
| 203+18                   | 12               | 15 | 20   | 12            | 6 | 8  | 12            | 6   | 8    |
| 204+27                   |                  |    |      |               |   |    | 12            | 6   | 8    |
| 205+27                   |                  |    |      | 12            | 6 | 8  | 12            | 6   | 8    |
| 206+00                   |                  |    |      | 12            | 6 | 8  | 12            | 38  | 50.6 |
| <b>NB BARRINGTON RD.</b> | <b>TURN LANE</b> |    |      | <b>LANE 1</b> |   |    | <b>LANE 2</b> |     |      |
|                          | W                | L  | SY   | W             | L | SY | W             | L   | SY   |
| 501+50                   |                  |    |      | 12            | 6 | 8  | 12            | 6   | 8    |
| 483+49 - 485+29          |                  |    |      |               |   |    | 14            | 180 | 280  |
| <b>SB BARRINGTON RD.</b> |                  |    |      |               |   |    |               |     |      |
|                          | W                | L  | SY   | W             | L | SY | W             | L   | SY   |
| 501+37                   | 12               | 15 | 20   | 12            | 6 | 8  | 12            | 6   | 8    |
| 501+45                   |                  |    |      |               |   |    | 12            | 6   | 8    |

| ALIGNMENT COORDINATES- IL. RTE. 62 (ALGONQUIN RD.) |           |              |              |
|--|-----------|--------------|--------------|
| IL. RTE. 43  | STATION   | N            | E            |
| POT  | 190+07.10 | 1978171.8824 | 1035458.6687 |
| POT  | 200+00.00 | 1977940.7236 | 1036424.2856 |
| POT  | 215+07.75 | 1977589.7019 | 1037890.6043 |



**CONTROL POINT #107**

"X" IN CONCRETE  $\square$   
 ON IL. RTE. 62 EAST OF BARRINGTON RD.  
 STA. 215+07.75, 0' RT.  
 N 1977589.7019  
 E 1037890.6043  
 ELEVATION UNKNOWN



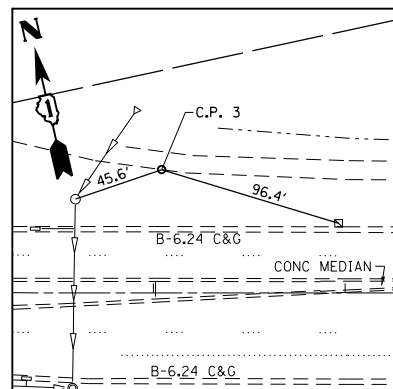
**CONTROL POINT #104**

MAGNETIC NAIL IN  $\square$  MEDIAN  
 ON IL. RTE. 62 WEST OF BARRINGTON RD.  
 STA. UNKNOWN, 0' RT.  
 N UNKNOWN  
 E UNKNOWN  
 ELEVATION UNKNOWN

**BENCHMARK #1**

ELEVATION 864.248

" $\square$ " CUT IN EASTERLY CORNER OF CONCRETE BASE  
 OF HANDHOLE IN NORTHWEST CORNER OF  
 IL. ROUTE 62 AT BARRINGTON RD.



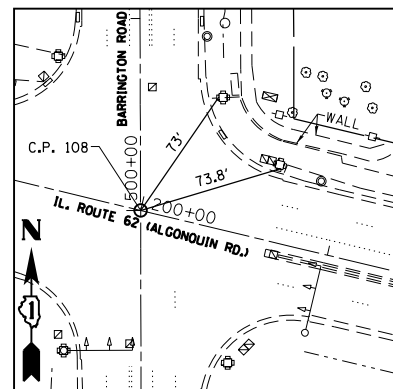
**CONTROL POINT #3**

MAGNETIC NAIL IN BIKE PATH  
 NORTH SIDE OF IL. RTE. 62  
 WEST OF BARRINGTON RD.  
 STA. 196+04.32, 64.22' LT.  
 N 1978095.3015  
 E 1036054.4275  
 ELEVATION 866.056

**BENCHMARK #2**

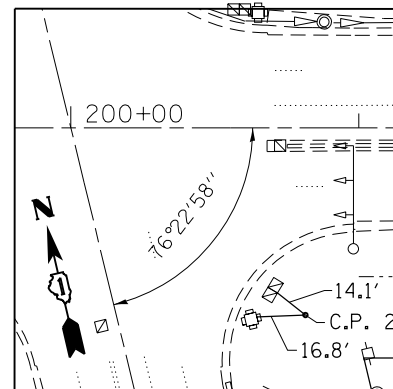
ELEVATION 844.598

" $\square$ " CUT IN CENTER OF 9' HEADWALL ON SOUTH SIDE  
 OF IL. ROUTE 52  $\pm$ 1000' EAST OF BARRINGTON RD.



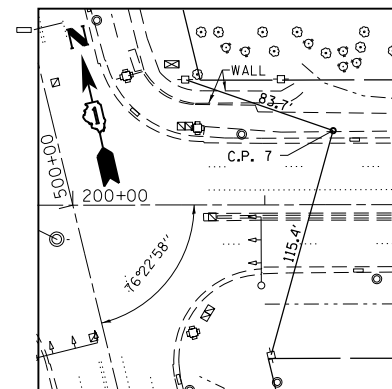
**CONTROL POINT #108**

"X" CUT IN CONCRETE  $\square$ - $\square$   
 IL. RTE 62 AND BARRINGTON RD.  
 STA. 200+00, 0' RT.  
 N 1977940.7236  
 E 1036424.2856  
 ELEVATION UNKNOWN



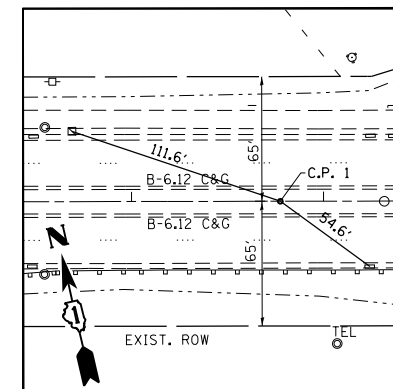
**CONTROL POINT #2**

IRON ROD WITH YELLOW CAP  
 IN SOUTHEAST CORNER OF  
 IL. RTE. 62 AND BARRINGTON RD.  
 STA. 200+81.43, 65.0' RT.  
 N 1977858.5325  
 E 1036488.3401  
 ELEVATION 862.566



**CONTROL POINT #7**

MAGNETIC NAIL IN BIKE PATH  
 NORTH SIDE OF IL. RTE. 62  
 EAST OF BARRINGTON RD.  
 STA. 201+35.71, 38.6 LT.  
 N 1977946.6921  
 E 1036565.2551  
 ELEVATION 849.606

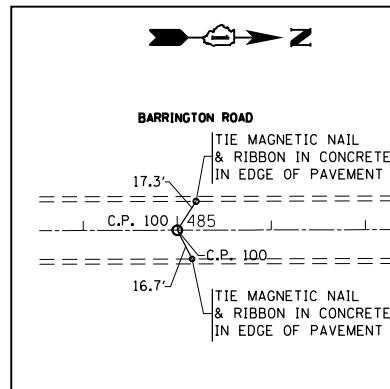
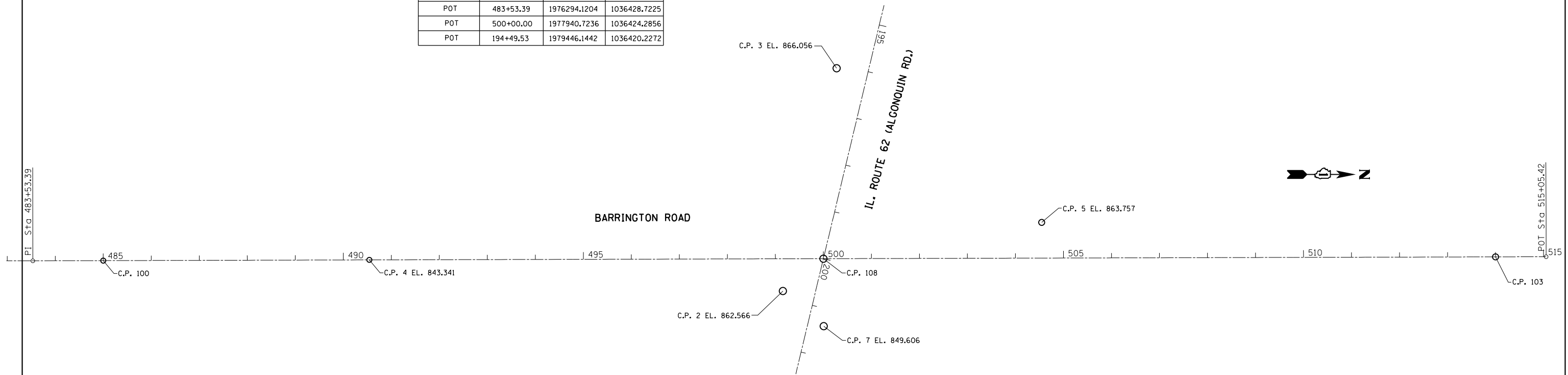


**CONTROL POINT #1**

"X" CUT IN MEDIAN  
 ON IL. RTE. 62 EAST OF BARRINGTON RD.  
 STA. 207+77.5, 0' RT.  
 N 1977759.7087  
 E 1037180.4242  
 ELEVATION 845.467

|  |                              |            |           |   |   |                    |                 |                                  |                           |           |  |
|--|------------------------------|------------|-----------|---|---|--------------------|-----------------|----------------------------------|---------------------------|-----------|--|
| FILE NAME =  | USER NAME = midyja           | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>ALIGNMENTS, TIES &amp; BENCHMARKS<br/>IL. ROUTE 62 (ALGONQUIN ROAD) AT BARRINGTON ROAD</b> | F.A.P. RTE.        | SECTION         | COUNTY                           | TOTAL SHEETS              | SHEET NO. |  |
| et:\pw\work\p1dot\midyja\0299677\PI24612-sht-ATB.dgn | PLOT SCALE = 100.0000' / in. | DRAWN -    | REVISED - |   |   | 339                | 116R-N          | COOK                             | 69                        | 13        |  |
| Default  | PLOT DATE = 5/15/2015        | CHECKED -  | REVISED - |   |   | CONTRACT NO. 60X88 |                 |                                  |                           |           |  |
|  |                              | DATE -     | REVISED - |   |   | SCALE: 1" = 100'   | SHEET OF SHEETS | STA. 190+07.10 TO STA. 215+07.75 | ILLINOIS FED. AID PROJECT |           |  |

| ALIGNMENT COORDINATES- IL. RTE. 43 |           |              |              |
|------------------------------------|-----------|--------------|--------------|
| IL. RTE. 43                        | STATION   | N            | E            |
| POT                                | 483+53.39 | 1976294.1204 | 1036428.7225 |
| POT                                | 500+00.00 | 1977940.7236 | 1036424.2856 |
| POT                                | 194+49.53 | 1979446.1442 | 1036420.2272 |

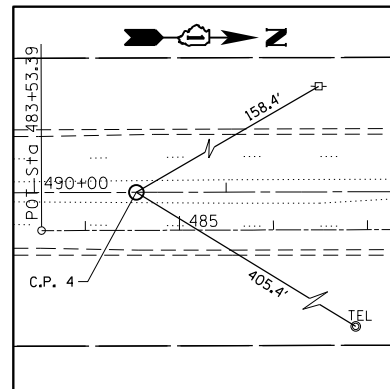


**CONTROL POINT #100**

"X" CUT IN  $\phi$  CONCRETE ON BARRINGTON RD. SOUTH OF IL. RTE. 62  
 STA. 485+00±, 0' RT.  
 N 1976440.7299  
 E 1036428.3274  
 ELEVATION UNKNOWN

**BENCHMARK #1**  
 ELEVATION 864.248

"□" CUT IN EASTERLY CORNER OF CONCRETE BASE OF HANDHOLE IN NORTHWEST CORNER OF IL. ROUTE 62 AT BARRINGTON RD.

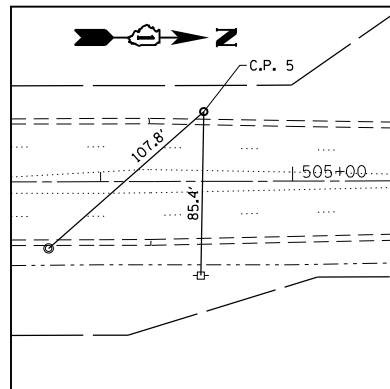


**CONTROL POINT #4**

MAGNETIC NAIL IN CONCRETE MEDIAN ON BARRINGTON RD. SOUTH OF IL. RTE. 62  
 STA. 490+53.2, 0' RT.  
 N 1976993.9301  
 E 1036426.8364  
 ELEVATION 843.341

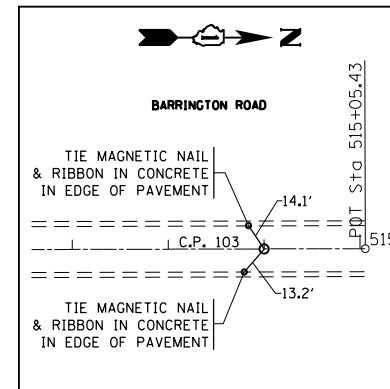
**BENCHMARK #2**  
 ELEVATION 844.598

"□" CUT IN CENTER OF 9' HEADWALL ON SOUTH SIDE OF IL. ROUTE 52 ±1000' EAST OF BARRINGTON RD.



**CONTROL POINT #5**

IRON ROD WITH YELLOW CAP WEST SIDE OF BARRINGTON RD. NORTH OF IL. RTE. 62  
 STA. 504+53.87, 36.3' LT.  
 N 1978394.4976  
 E 1036386.7235  
 ELEVATION 863.757



**CONTROL POINT #103**

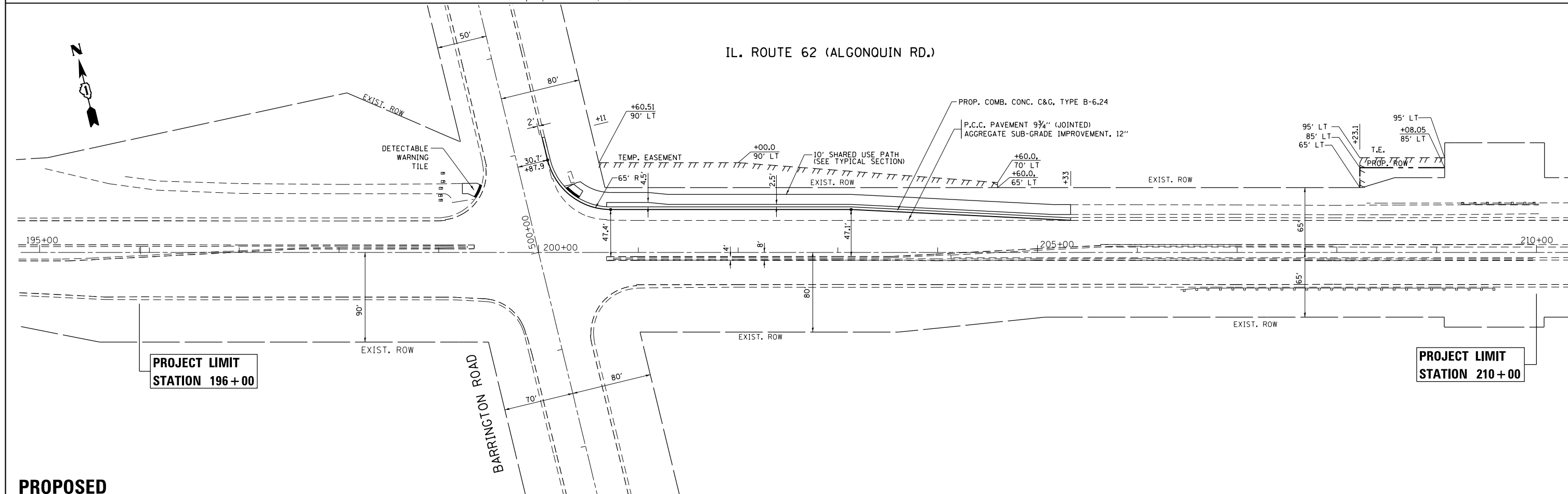
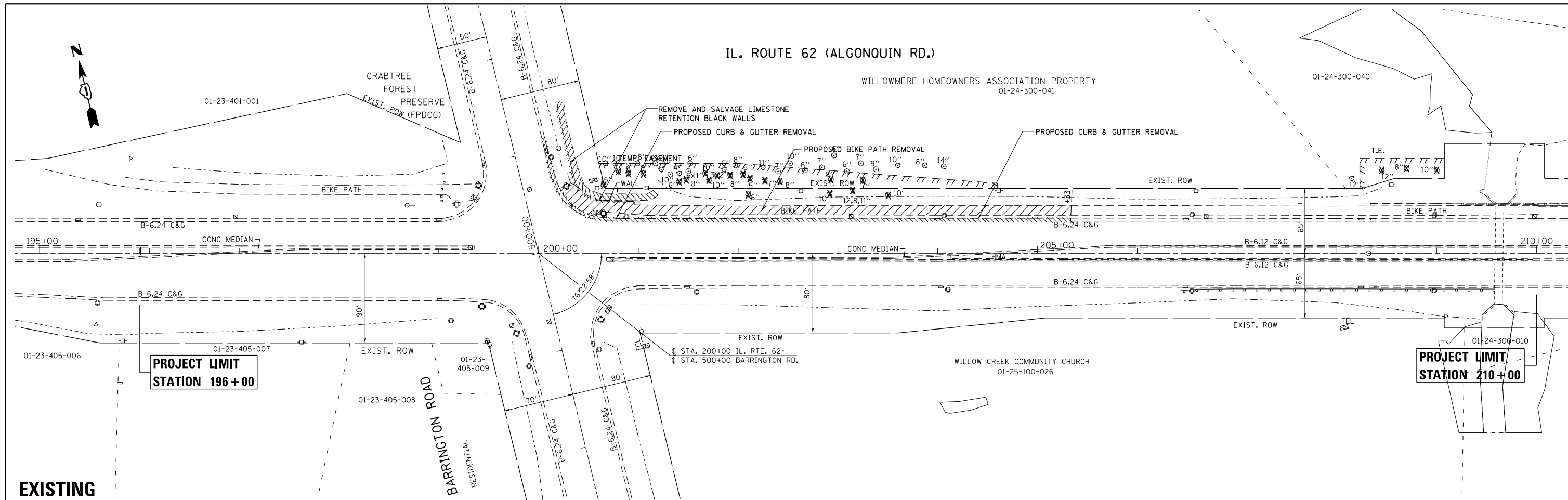
MAGNETIC NAIL IN  $\phi$  CONCRETE ON BARRINGTON RD. NORTH OF IL. RTE. 62  
 STA. 514+00±, 0' RT.  
 N 1979340.7193  
 E 1036420.5113  
 ELEVATION UNKNOWN

|  |                              |            |           |
|--|------------------------------|------------|-----------|
| FILE NAME =  | USER NAME = midyja           | DESIGNED - | REVISED - |
| ei:\pw\work\p12462\midyja\0299677\PI2462-sht-ATB.dgn |                              | DRAWN -    | REVISED - |
| Default  | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |
|  | PLOT DATE = 5/15/2015        | DATE -     | REVISED - |

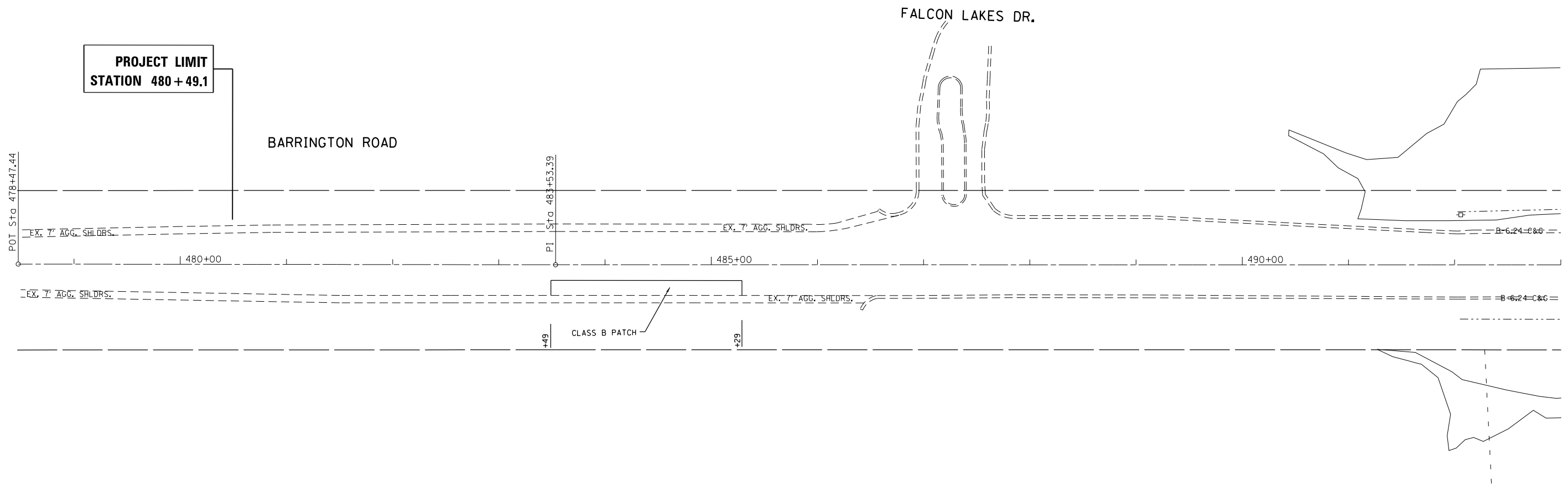
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

| ALIGNMENTS, TIES & BENCHMARKS                    |       |    |                                  |
|--|-------|----|----------------------------------|
| IL. ROUTE 62 (ALGONGUIN ROAD) AT BARRINGTON ROAD |       |    |                                  |
| SCALE: 1" = 100'                                 | SHEET | OF | SHEETS                           |
|  |       |    | STA. 483+53.39 TO STA. 515+05.43 |

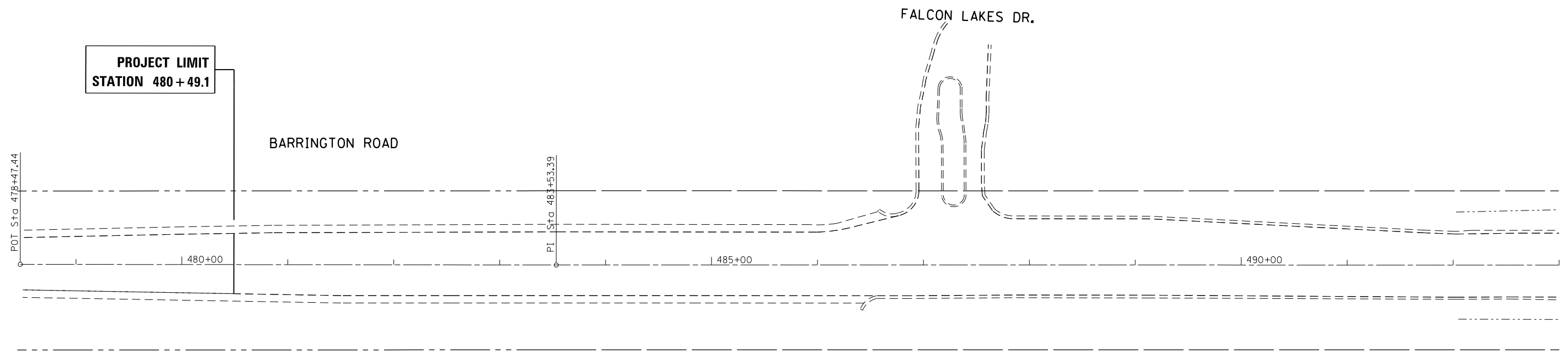
| F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 339                       | 116R-N  | COOK   | 69           | 14        |
| CONTRACT NO. 60X88        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



|   |                              |            |           |   |   |  |  |                           |         |                    |              |           |
|---|------------------------------|------------|-----------|---|---|--|--|---------------------------|---------|--------------------|--------------|-----------|
| FILE NAME =   | USER NAME = midyja           | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>ROADWAY PLAN</b>                                     |  |  | F.A.P. RTE.               | SECTION | COUNTY             | TOTAL SHEETS | SHEET NO. |
| c:\pwwork\pwwork\midyja\0299677\PI2462-shr-plnprf.dgn |                              | DRAWN -    | REVISED - |   | <b>IL. ROUTE 62 (ALGONQUIN ROAD) AT BARRINGTON ROAD</b> |  |  | 339                       | 116R-N  | COOK               | 69           | 15        |
| Default   | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |   | SCALE: 1"=50'   |  |  | SHEET OF SHEETS           |         | CONTRACT NO. 60X88 |              |           |
|   | PLOT DATE = 5/15/2015        | DATE -     | REVISED - |   | STA. 198+00 TO STA. 209+00                              |  |  | ILLINOIS FED. AID PROJECT |         |                    |              |           |



**EXISTING**



**PROPOSED**

|   |                              |            |           |
|---|------------------------------|------------|-----------|
| FILE NAME =                                       | USER NAME = midyja           | DESIGNED - | REVISED - |
| ei:\pwork\midyja\0299677\PI24612\sh-t-pln\prf.dgn |                              | DRAWN -    | REVISED - |
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| Default   | PLOT DATE = 5/15/2015        | DATE -     | REVISED - |

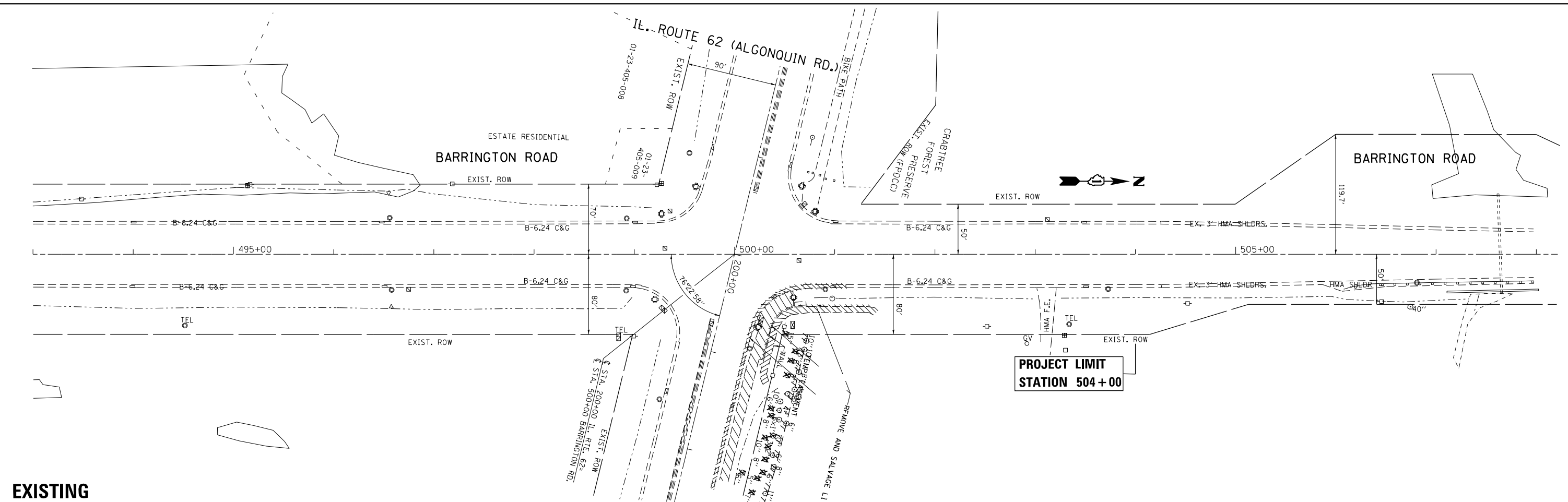
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
IL. ROUTE 62 (ALGONQUIN ROAD) AT BARRINGTON ROAD**

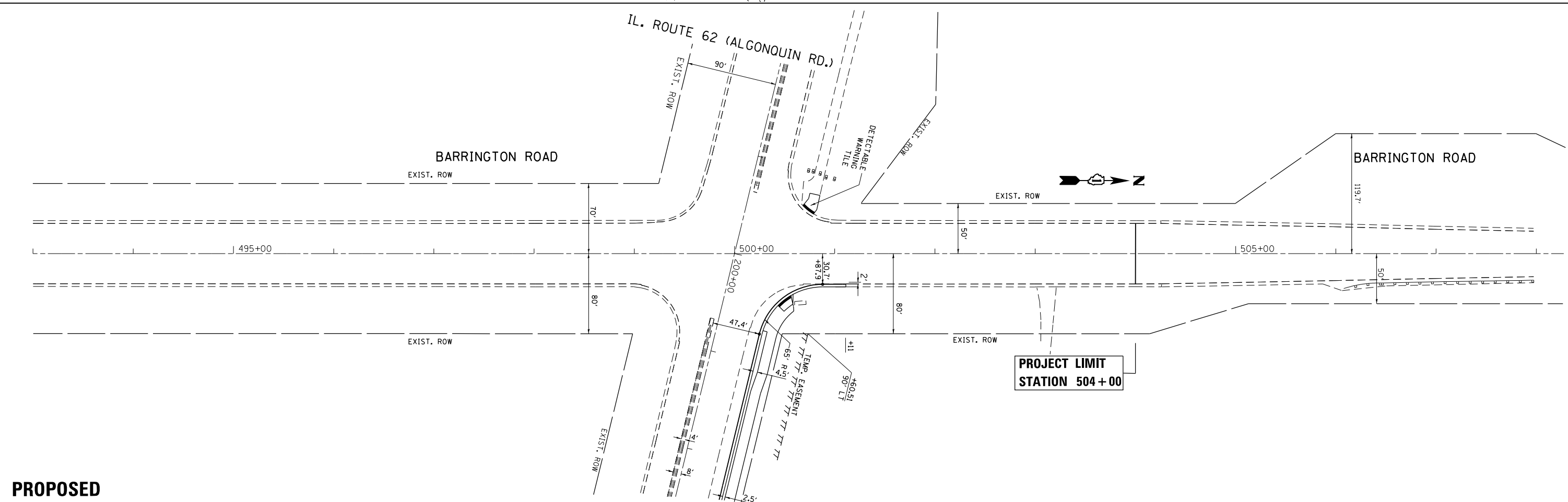
SCALE: 1"=50' SHEET OF SHEETS STA. 499+00 TO STA. 504+00

| F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 339                       | 116R-N  | COOK   | 69           | 16        |
| <b>CONTRACT NO. 60X88</b> |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |





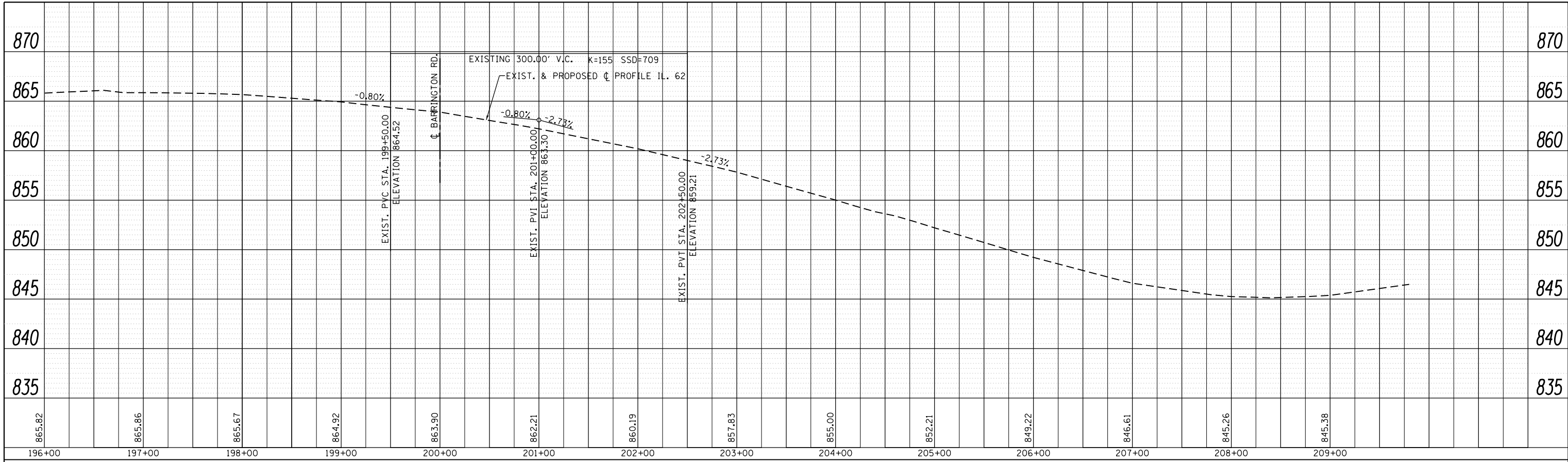
**EXISTING**



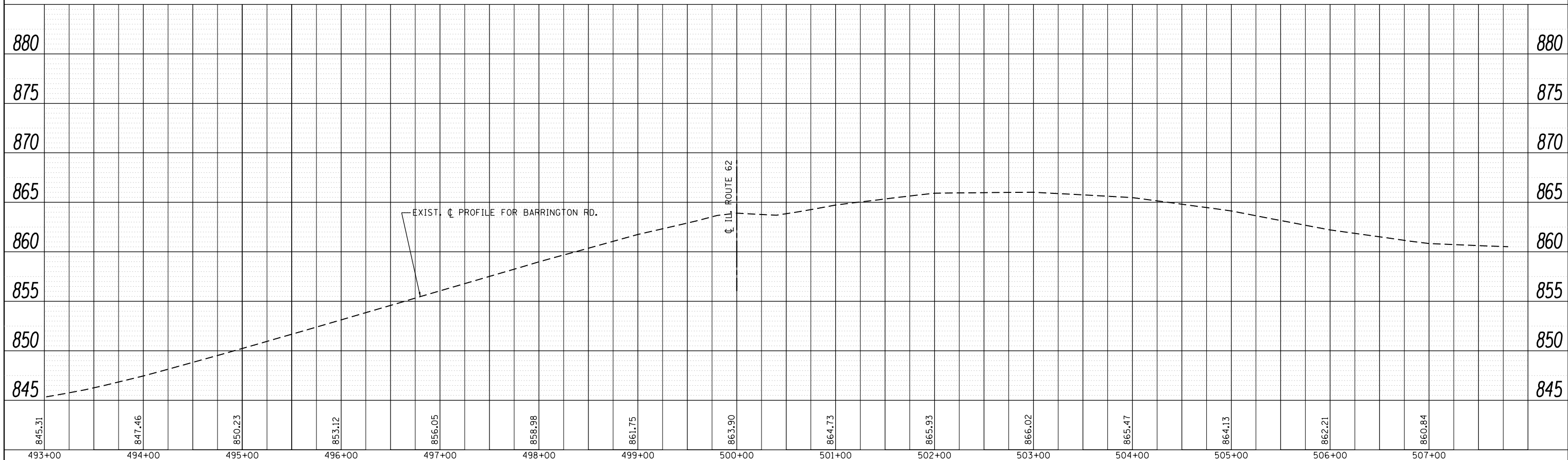
**PROPOSED**

|   |                    |            |                           |   |  |             |         |        |              |                |
|---|--------------------|------------|---------------------------|---|--|-------------|---------|--------|--------------|----------------|
| FILE NAME =   | USER NAME = midyja | DESIGNED - | REVISED -                 | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>ROADWAY PLAN<br/>IL. ROUTE 62 (ALGONQUIN ROAD) AT BARRINGTON ROAD</b> | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO.      |
| c:\pwork\pwork\midyja\0299677\124612-sht-plnprf.dgn | DRAWN -            | REVISED -  | 339                       |   |  | 116R-N      | COOK    | 69     | 17           |                |
| PLOT SCALE = 100.0000' / in.                        | CHECKED -          | REVISED -  | <b>CONTRACT NO. 60X88</b> |   |  |             |         |        |              |                |
| Default   | DATE -             | REVISED -  | ILLINOIS FED. AID PROJECT |   |  |             |         |        |              |                |
|   |                    |            |                           |   | SCALE: 1"=50'  | SHEET       | OF      | SHEETS | STA. 499+00  | TO STA. 504+00 |

|               |                   |    |      |
|---------------|-------------------|----|------|
| PLAN          | SURVEYED          | BY | DATE |
| NOTE BOOK NO. | PLOTTED           |    |      |
|               | ALIGNMENT CHECKED |    |      |
|               | CARD FILE NAME    |    |      |



|               |                             |    |      |
|---------------|-----------------------------|----|------|
| PROFILE       | SURVEYED                    | BY | DATE |
| NOTE BOOK NO. | PLOTTED                     |    |      |
|               | GRADES CHECKED              |    |      |
|               | STRUCTURE NOTATIONS CHECKED |    |      |



|  |                    |            |               |   |  |                           |        |             |         |        |                    |           |  |
|--|--------------------|------------|---------------|---|--|---------------------------|--------|-------------|---------|--------|--------------------|-----------|--|
| FILE NAME =                            | USER NAME = midjje | DESIGNED - | REVISED -     | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>ROADWAY PROFILE<br/>IL. RTE. 62 (ALGONQUIN RD.) AT BARRINGTON RD.</b> |                           |        | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS       | SHEET NO. |  |
| c:\pwork\pwork\midjje\d0299677\p124612 | ght-plnpr.f.dgn    | DRAWN -    | REVISED -     |   | 339  | 116R-N                    | COOK   | 69          | 18      |        |                    |           |  |
| PLOT SCALE = 100.0000' / in.           | CHECKED -          | REVISED -  | SCALE: 1"=50' |   | SHEET  | OF                        | SHEETS | STA.        | TO      | STA.   | CONTRACT NO. 60X88 |           |  |
| Default                                | DATE -             | REVISED -  |               |   |  | ILLINOIS FED. AID PROJECT |        |             |         |        |                    |           |  |

PRE-STAGE

INSTALL SIGNS SHOWN ON DETAILS "TEMPORARY INFORMATION SIGNING" PLACE PRIOR TO THE START OF CONSTRUCTION ACTIVITY ON ILLINOIS ROUTE 62 AT BARRINGTON RD.

STAGE I

ESTABLISH TRAFFIC CONTROL AS SHOWN ON THE SUGGESTED STAGING & TRAFFIC CONTROL STAGE I. THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL & PROTECTION (SPECIAL)

INSTALL TEMPORARY EROSION CONTROL MEASURE AS SHOWN ON THE EROSION CONTROL PLAN, (SEE NOTE)

REMOVE EXIST. CURB & GUTTER, SHARED USE PATH & LOWER RETAINING WALL ON NORTH SIDE OF IL 62 AND INSTALL PROP. PCC PAVEMENT, CLASS B PATCH, SHARED USE PATH, RETAINING WALL STORM SEWER, DITCHES, SWALES, SODDING AND ALL OTHER COLLATERAL WORK AS SHOWN ON STAGE I PLANS.

STAGE II

ESTABLISH TRAFFIC CONTROL AS SHOWN ON THE SUGGESTED STAGING & TRAFFIC CONTROL STAGE I. THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL & PROTECTION (SPECIAL)

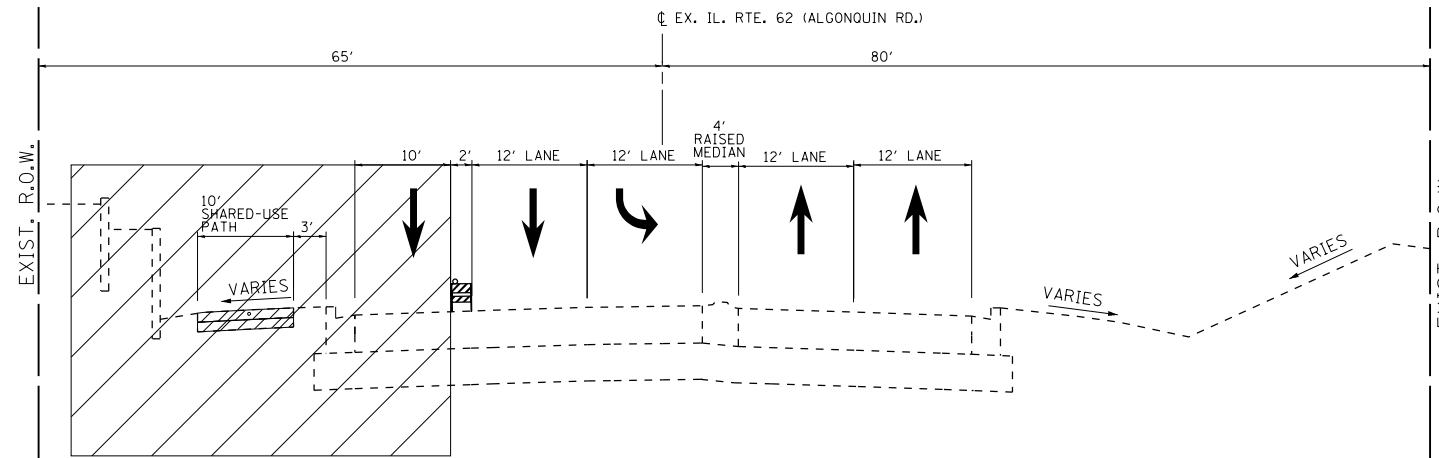
INSTALL TEMPORARY EROSION CONTROL MEASURE AS SHOWN ON THE EROSION CONTROL PLAN, (SEE NOTE)

PERFORM CLASS B PAVEMENT PATCHING

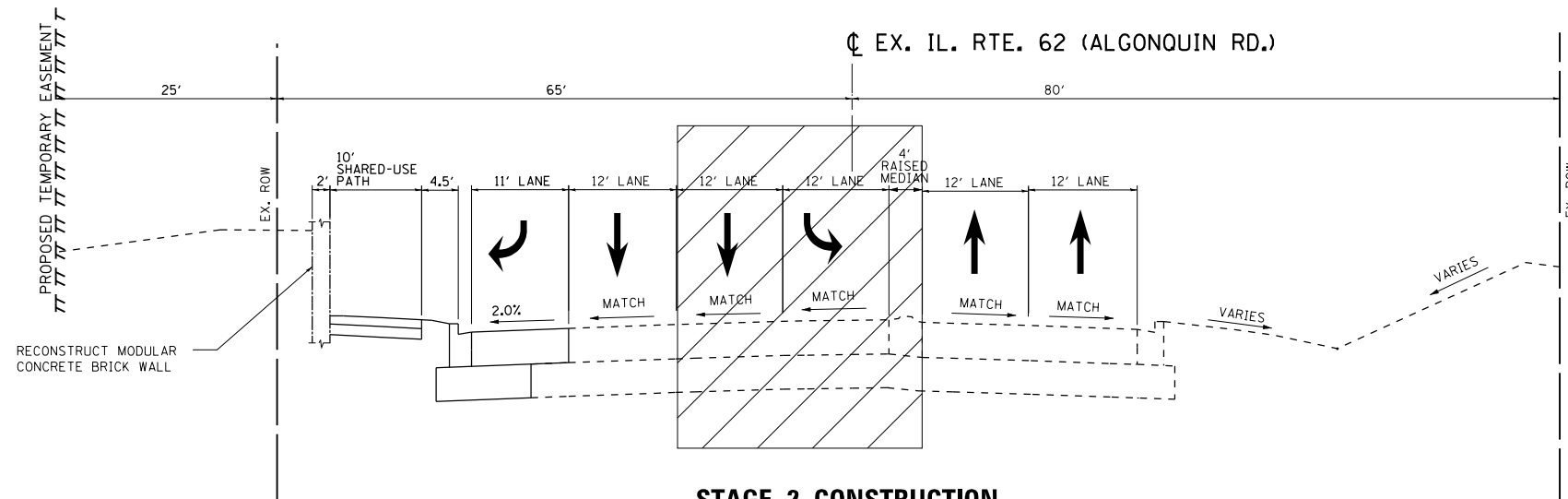
NOTE:

ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITION.

|   |                               |            |           |   |  |                           |         |        |              |           |
|---|-------------------------------|------------|-----------|---|--|---------------------------|---------|--------|--------------|-----------|
| FILE NAME =                                     | USER NAME = midyja            | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL<br/>IL. ROUTE 62 AT BARRINGTON RD.</b> | F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| c:\pwork\pwork\midyja\0299678\124612-Design.dgn | DRAWN -                       | REVISED -  | 348       |   |  | 116R-N                    | COOK    | 69     | 19           |           |
| Default   | PLOT SCALE = 100.0000' / 1in. | CHECKED -  | REVISED - |   |  | CONTRACT NO. 60X73        |         |        |              |           |
|   | PLOT DATE = 5/15/2015         | DATE -     | REVISED - |   |  | ILLINOIS FED. AID PROJECT |         |        |              |           |
|   |                               |            |           |   | SCALE:   | SHEET                     | OF      | SHEETS | STA.         | TO STA.   |

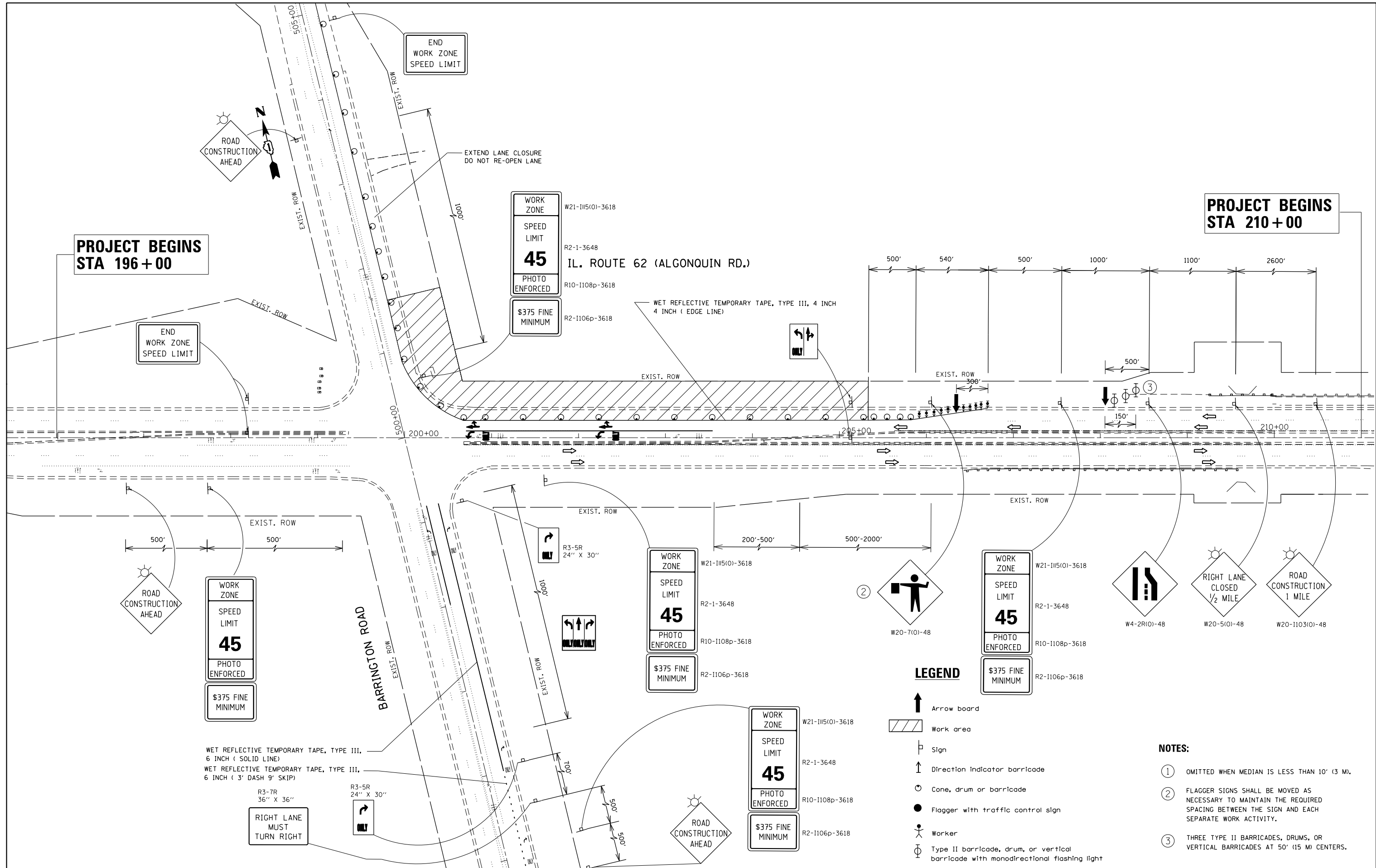


**STAGE 1 CONSTRUCTION**  
STA. 200+00 TO STA. 209+00



**STAGE 2 CONSTRUCTION**  
STA. 200+00 TO STA. 206+00

|   |                              |            |           |   |   |  |  |                    |         |        |              |           |
|---|------------------------------|------------|-----------|---|---|--|--|--------------------|---------|--------|--------------|-----------|
| FILE NAME =   | USER NAME = midyja           | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>IL. ROUTE 62 AT BARRINGTON RD.<br/>STAGE I</b> |  |  | F.A.P. RTE.        | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| et:\pw\work\p124612\midyja\0299678\p124612-Design.dgn | DRAWN -                      | REVISED -  | 339       |   |   |  |  | 116R-N             | COOK    | 69     | 20           |           |
| Default   | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |   | SCALE: SHEET OF SHEETS STA. TO STA.               |  |  | CONTRACT NO. 60X88 |         |        |              |           |
|   | PLOT DATE = 5/15/2015        | DATE -     | REVISED - |   | ILLINOIS FED. AID PROJECT                         |  |  |                    |         |        |              |           |



**PROJECT BEGINS  
STA 196 + 00**

**PROJECT BEGINS  
STA 210 + 00**

**IL. ROUTE 62 (ALGONQUIN RD.)**

WORK ZONE  
SPEED LIMIT  
**45**  
PHOTO ENFORCED  
\$375 FINE MINIMUM

WORK ZONE  
SPEED LIMIT  
**45**  
PHOTO ENFORCED  
\$375 FINE MINIMUM

WORK ZONE  
SPEED LIMIT  
**45**  
PHOTO ENFORCED  
\$375 FINE MINIMUM

WORK ZONE  
SPEED LIMIT  
**45**  
PHOTO ENFORCED  
\$375 FINE MINIMUM

**LEGEND**

- Arrow board
- Work area
- Sign
- Direction Indicator barricade
- Cone, drum or barricade
- Flagger with traffic control sign
- Worker
- Type II barricade, drum, or vertical barricade with monodirectional flashing light

**NOTES:**

- ① OMITTED WHEN MEDIAN IS LESS THAN 10' (3 M).
- ② FLAGGER SIGNS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED SPACING BETWEEN THE SIGN AND EACH SEPARATE WORK ACTIVITY.
- ③ THREE TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 50' (15 M) CENTERS.

|  |                             |            |           |
|--|-----------------------------|------------|-----------|
| FILE NAME =  | USER NAME = midyja          | DESIGNED - | REVISED - |
| es:\pw\work\p\midot\midyja\0299678\VP124612-Design.dgn |                             | DRAWN -    | REVISED - |
| Default  | PLOT SCALE = 100.0000' / 1" | CHECKED -  | REVISED - |
|  | PLOT DATE = 5/15/2015       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL. ROUTE 62 AT BARRINGTON RD.  
STAGE I**

SCALE: SHEET OF SHEETS STA. TO STA.

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 339                       | 116R-N  | COOK   | 69           | 21        |
| CONTRACT NO. 60X88        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



FALCON LAKES DR.

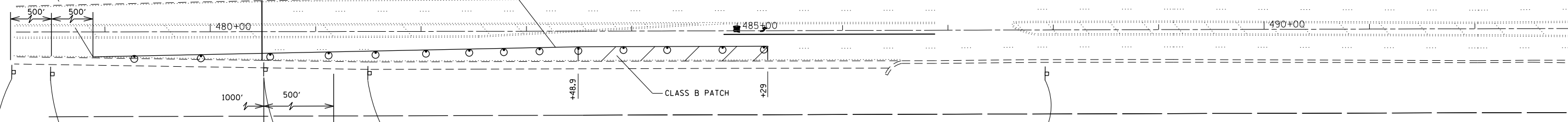
**PROJECT LIMIT**  
STATION 480 + 49.1

BARRINGTON ROAD

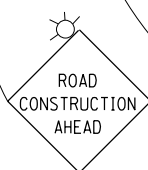
WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH  
4 INCH ( EDGE LINE)

CLOSE RIGHT LANE FROM BEGINNING  
OF RIGHT LANE DEVELOPMENT

MATCHLINE STA. 493+00



END  
WORK-ZONE  
SPEED LIMIT  
G20-1103(O)-6030



W21-1115(O)-3618  
R2-1-3648  
R10-1108p-3618  
R2-1106p-3618

WORK ZONE

SPEED LIMIT  
**45**

PHOTO ENFORCED

\$375 FINE MINIMUM

W21-1115(O)-3618  
R2-1-3648  
R10-1108p-3618  
R2-1106p-3618

WORK ZONE

SPEED LIMIT  
**45**

PHOTO ENFORCED

\$375 FINE MINIMUM



W20-71(O)-48

**LEGEND**

- Arrow board
- Work area
- Sign
- Direction indicator barricade
- Cone, drum or barricade
- Flagger with traffic control sign
- Worker
- Type II barricade, drum, or vertical barricade with monodirectional flashing light

**NOTES:**

- ① OMITTED WHEN MEDIAN IS LESS THAN 10' (3 M).
- ② FLAGGER SIGNS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED SPACING BETWEEN THE SIGN AND EACH SEPARATE WORK ACTIVITY.
- ③ THREE TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 50' (15 M) CENTERS.

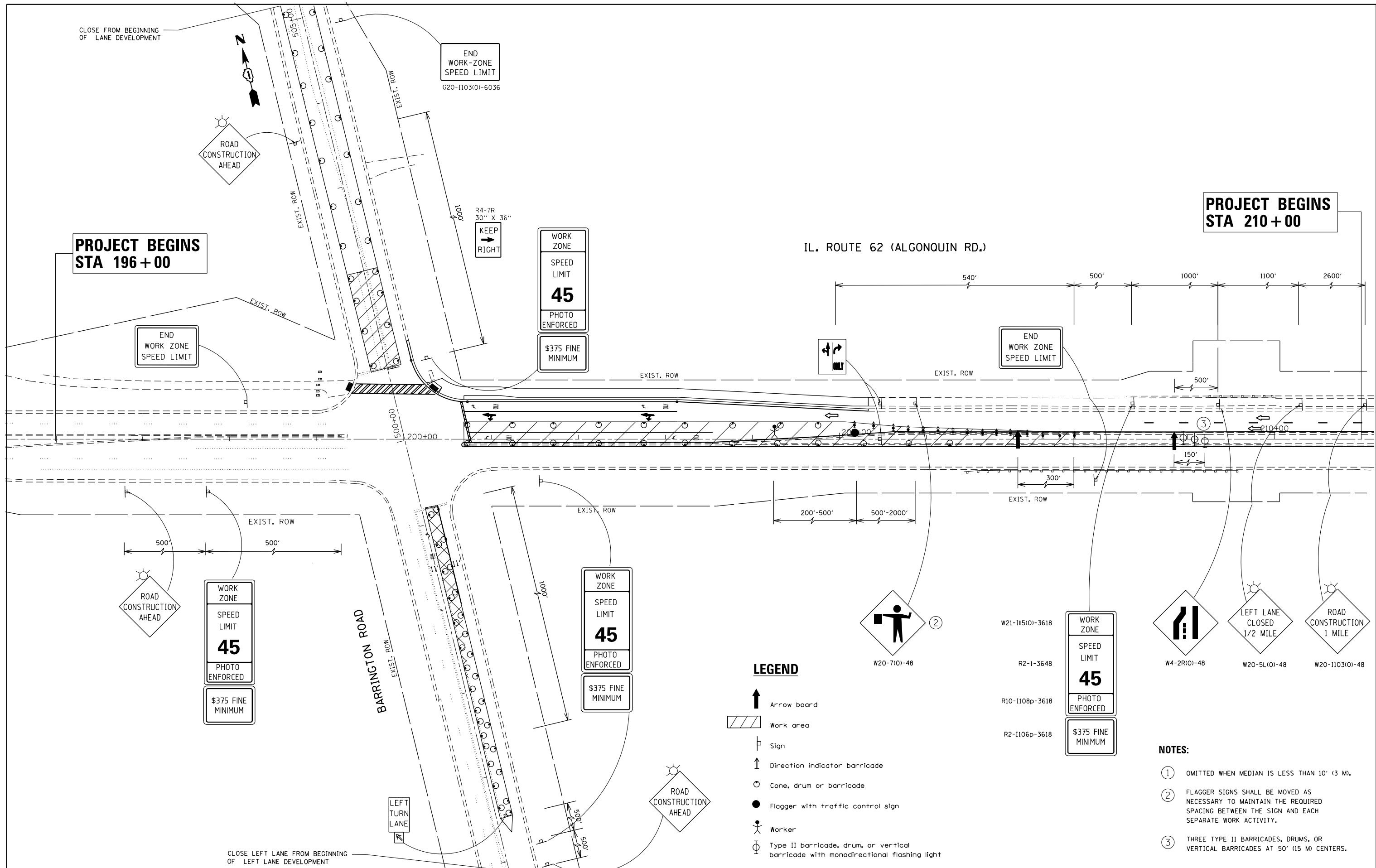
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| Default   | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 5/15/2015        | DATE -     | REVISED - |

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

**IL. ROUTE 62 AT BARRINGTON RD.**  
**STAGE I (CLASS B PATCH)**

SCALE: 1"=50' SHEET OF SHEETS STA. 480+49.1 TO STA. 493+00

| F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 339                       | 116R-N  | COOK   | 69           | 22        |
| CONTRACT NO. 60X88        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



|   |                              |            |           |
|---|------------------------------|------------|-----------|
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| Default   | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 5/15/2015        | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL. ROUTE 62 AT BARRINGTON RD.  
STAGE II (PATCHING AT TURN LANE AND LANE 1)**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

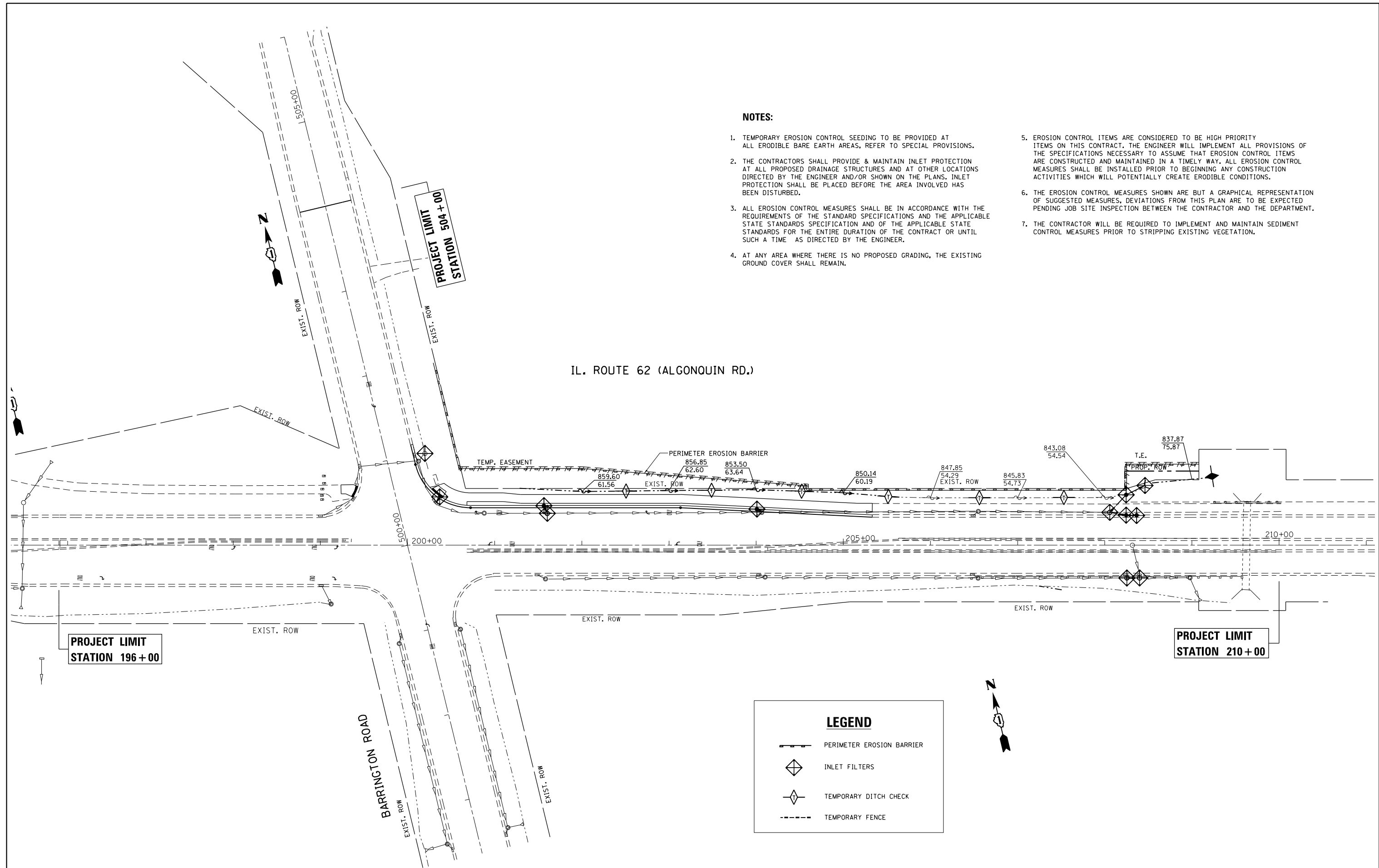
|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 339                       | 116R-N  | COOK   | 69           | 23        |
| CONTRACT NO. 60X88        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

**LEGEND**

- Arrow board
- Work area
- Sign
- Direction indicator barricade
- Cone, drum or barricade
- Flagger with traffic control sign
- Worker
- Type II barricade, drum, or vertical barricade with monodirectional flashing light

**NOTES:**

- ① OMITTED WHEN MEDIAN IS LESS THAN 10' (3 M).
- ② FLAGGER SIGNS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED SPACING BETWEEN THE SIGN AND EACH SEPARATE WORK ACTIVITY.
- ③ THREE TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 50' (15 M) CENTERS.







**NOTES:**

1. TEMPORARY EROSION CONTROL SEEDING TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREAS, REFER TO SPECIAL PROVISIONS.
2. THE CONTRACTORS SHALL PROVIDE & MAINTAIN INLET PROTECTION AT ALL PROPOSED DRAINAGE STRUCTURES AND AT OTHER LOCATIONS DIRECTED BY THE ENGINEER AND/OR SHOWN ON THE PLANS. INLET PROTECTION SHALL BE PLACED BEFORE THE AREA INVOLVED HAS BEEN DISTURBED.
3. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE STATE STANDARDS SPECIFICATION AND OF THE APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.
4. AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.
5. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATIONS NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODIBLE CONDITIONS.
6. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES, DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING JOB SITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
7. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.

**IL. ROUTE 62 (ALGONQUIN RD.)**

**LEGEND**

-  PERIMETER EROSION BARRIER
-  INLET FILTERS
-  TEMPORARY DITCH CHECK
-  TEMPORARY FENCE

|  |                              |            |           |
|--|------------------------------|------------|-----------|
| FILE NAME =  | USER NAME = midyja           | DESIGNED - | REVISED - |
| et:\pw\work\p\midot\midyja\0299677\PI24612-sh-t-eros.dgn |                              | DRAWN -    | REVISED - |
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|  | PLOT DATE = 5/15/2015        | DATE -     | REVISED - |

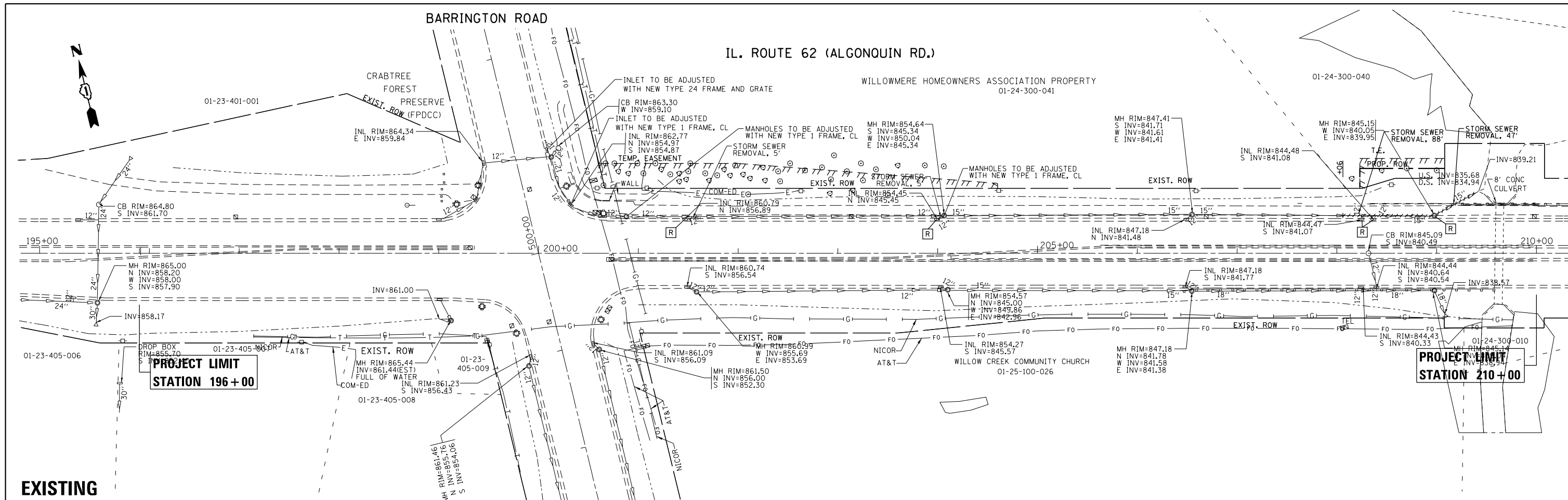
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED EROSION CONTROL PLAN  
IL. ROUTE 62 (ALGONQUIN ROAD) AT BARRINGTON ROAD**

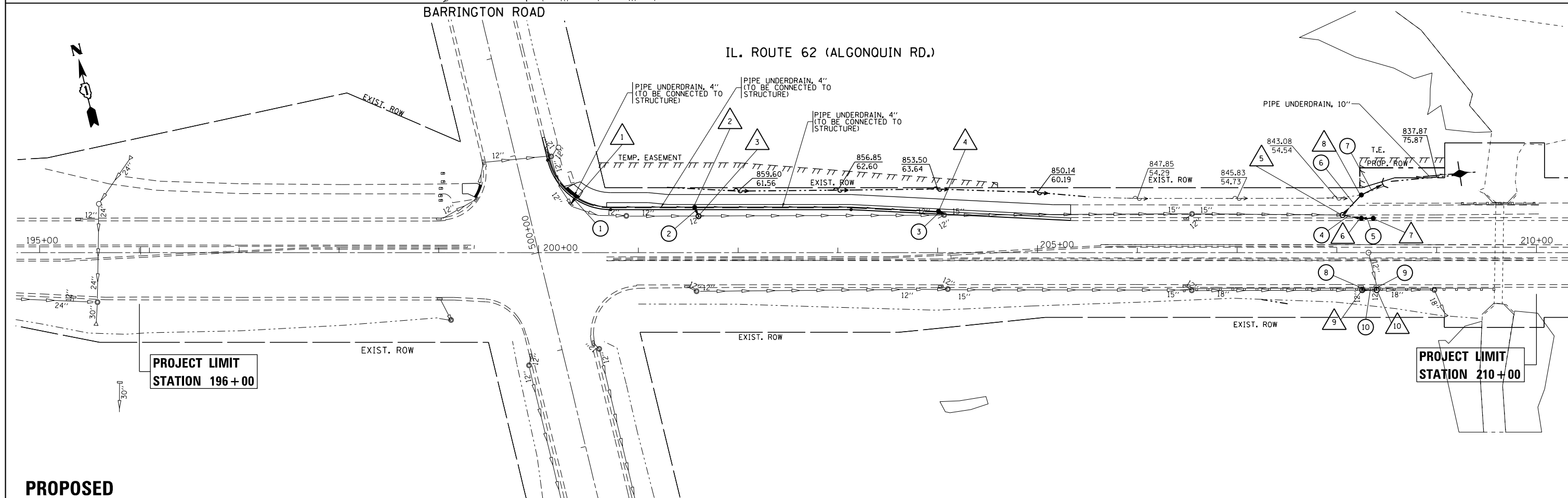
SCALE: 1" = 50'    SHEET    OF    SHEETS    STA.    TO    STA.

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 339                       | 116R-N  | COOK   | 69           | 24        |
| CONTRACT NO. 60X88        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |





**EXISTING**

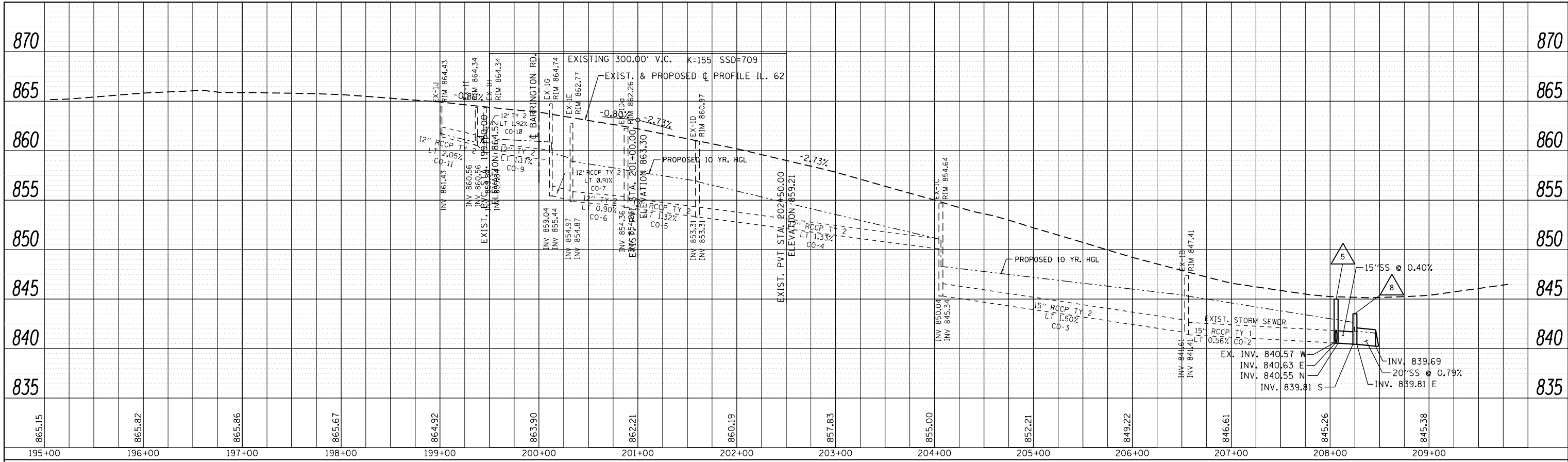


**PROPOSED**

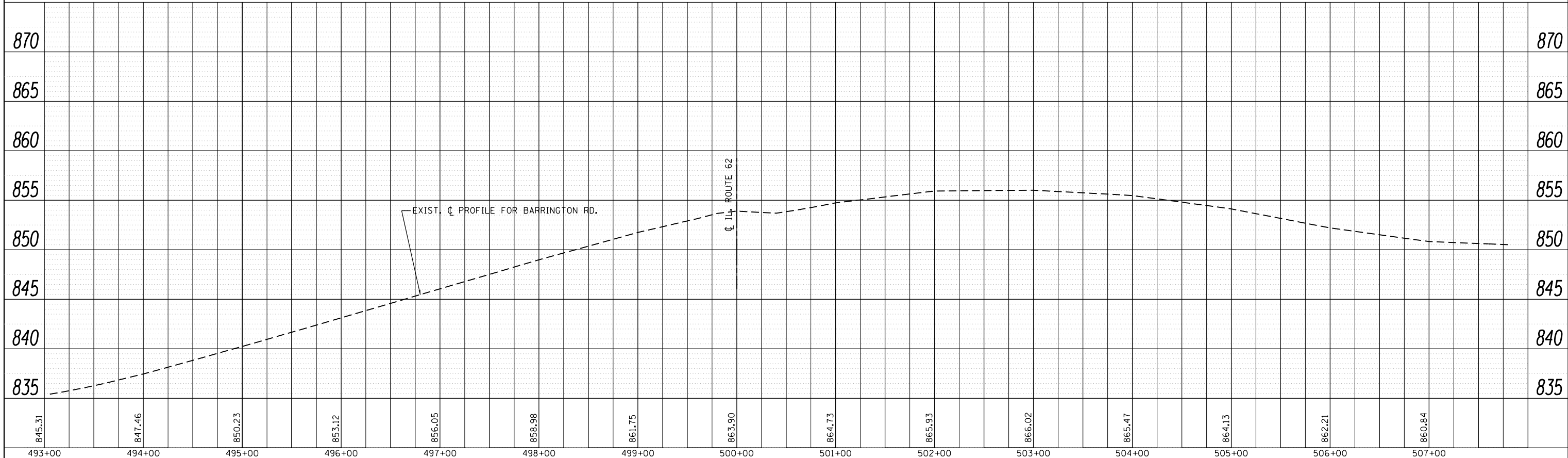
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|-------------|------------------------------|------------|-----------|---|---|---------------------------|---------|--------|--------------|-----------|--|
| FILE NAME = | USER NAME = midyja           | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>DRAINAGE PLAN<br/>IL. ROUTE 62 (ALGONQUIN ROAD) AT BARRINGTON ROAD</b> | F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |  |
| Default     | Plot Scale = 100.0000' / in. | DRAWN -    | REVISED - |   |   | 339                       | 116R-N  | COOK   | 69           | 25        |  |
|             | PLOT DATE = 5/15/2015        | CHECKED -  | REVISED - |   |   | CONTRACT NO. 60X88        |         |        |              |           |  |
|             |                              | DATE -     | REVISED - |   |   | ILLINOIS FED. AID PROJECT |         |        |              |           |  |



|               |                   |      |
|---------------|-------------------|------|
| PLAN          | SURVEYED          | DATE |
| NOTE BOOK NO. | PLOTTED           | BY   |
|               | ALIGNMENT CHECKED |      |
|               | CADD FILE NAME    |      |



|               |                             |      |
|---------------|-----------------------------|------|
| PROFILE       | SURVEYED                    | DATE |
| NOTE BOOK NO. | PLOTTED                     | BY   |
|               | GRADES CHECKED              |      |
|               | STRUCTURE NOTATIONS CHECKED |      |



|  |                       |            |           |   |   |        |      |             |         |        |              |           |
|--|-----------------------|------------|-----------|---|---|--------|------|-------------|---------|--------|--------------|-----------|
| FILE NAME =  | USER NAME = midyja    | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>DRAINAGE PROFILE</b><br><b>IL. ROUTE 62 (AGONQUIN ROAD) AT BARRINGTON ROAD</b> |        |      | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| c:\pwork\pwork\midyja\d0299677\p124612-shd-drain.dgn |                       | DRAWN -    | REVISED - |   | 339   | 116R-N | COOK | 69          | 27      |        |              |           |
| PLOT SCALE = 100.0000' / in.                         |                       | CHECKED -  | REVISED - |   | CONTRACT NO. 60X88  |        |      |             |         |        |              |           |
| Default  | PLOT DATE = 5/15/2015 | DATE -     | REVISED - |   | ILLINOIS FED. AID PROJECT   |        |      |             |         |        |              |           |

1 STA. 200+37, LT. EOP  
CATCH BASIN, TYPE C  
W/ TYPE 24 FRAME & GRATE  
T.O.G: 862.42  
INV: 855.15 (S)

7 STA. 208+36, 34.5 FT LT. EOP  
CATCH BASIN, TYPE C  
W/ TYPE 24 FRAME & GRATE  
T.O.G: 844.08  
INV: 840.91 (W)

2 STA. 201+57, LT. EOP  
CATCH BASIN, TYPE C  
W/ TYPE 24 FRAME & GRATE  
T.O.G: 860.42  
INV: 853.63 (S)

8 STA. 208+25, 58.4 FT LT.  
CATCH BASIN, TYPE A, 4 FT DIA. [FLAT SLAB TOP]  
W/ TYPE 8 GRATE  
T.O.G: 843.00  
INV: 839.81 (S)  
INV: 839.81 (E)

3 STA. 201+60, 37 FT LT.  
MANHOLE, TYPE A, 4 FT DIA.  
W/ TYPE 1 FRAME, CL  
T.O.G: 860.53  
INV: 853.36 (N)  
INV: 853.34 (W)  
INV: 853.28 (E)

9 STA. 208+25, 37.5 FT RT.  
MANHOLE, TYPE A, 4 FT DIA.  
W/ TYPE 1 FRAME, CL  
T.O.G: 845.14  
INV: 839.57 (E)  
INV: 839.60 (W)

4 STA. 204+01, LT. EOP  
CATCH BASIN, TYPE C  
W/ TYPE 24 FRAME & GRATE  
T.O.G: 854.34  
INV: 851.00 (SE)

10 STA. 208+40, 37.5 FT RT.  
MANHOLE, TYPE A, 4 FT DIA. [FLAT SLAB TOP]  
W/ TYPE 1 FRAME, CL  
T.O.G: 845.11  
INV: 839.70 (E)  
INV: 839.76 (W)

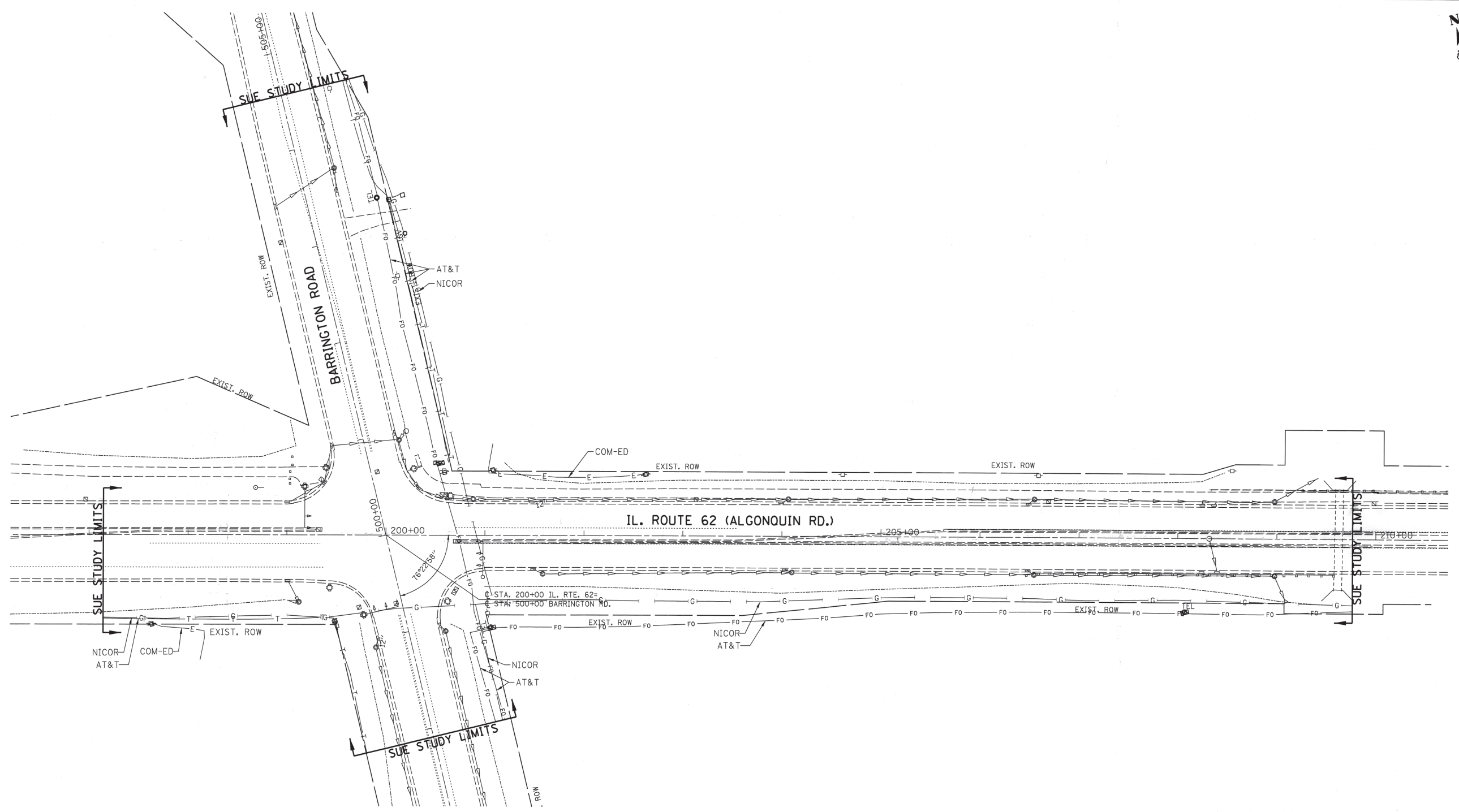
5 STA. 208+06, 37.7 FT LT.  
MANHOLE, TYPE A, 4 FT DIA. [FLAT SLAB TOP]  
W/ TYPE 1 FRAME, CL  
T.O.G: ± 845.00  
INV: 840.57 (W)  
INV: 840.63 (SE)  
INV: 840.55 (NE)

6 STA. 208+25, 34.5 FT LT. EOP  
CATCH BASIN, TYPE A, 4 FT DIA. [FLAT SLAB TOP]  
W/ TYPE 24 FRAME & GRATE  
T.O.G: 844.47  
INV: 840.77 (W)  
INV: 840.81 (E)

## PIPE TABLE

| No. | PIPE TYPE  | Dia.<br>(inch) | TBF<br>(cu yds) | Length<br>(ft) |
|-----|--|----------------|-----------------|----------------|
| 1   | PROPOSED STORM SEWER, CLASS A, TYPE II   | 12             | 6.3             | 8              |
| 2   | PROPOSED STORM SEWER, CLASS A, TYPE II   | 12             | 7               | 10             |
| 3   | PROPOSED STORM SEWER, CLASS A, TYPE I  | 12             | 1.5             | 6              |
| 4   | PROPOSED STORM SEWER, CLASS A, TYPE I  | 15             | 3               | 19             |
| 5   | PROPOSED STORM SEWER, CLASS A, TYPE I  | 15             | 2.0             | 12             |
| 6   | PROPOSED STORM SEWER, CLASS A, TYPE I  | 15             | 6.4             | 27             |
| 7   | PROPOSED STORM SEWER, CLASS A, TYPE I,<br>W/PRECAST REINF. CONC. FLARED END SECTION, INV: 839.69 | 21             | 0               | 24             |
| 8   | PROPOSED STORM SEWER, CLASS A, TYPE II   | 12             | 1.5             | 3              |
| 9   | PROPOSED STORM SEWER, CLASS A, TYPE II   | 12             | 1.5             | 4              |
| 10  | PROPOSED STORM SEWER, CLASS A, TYPE II   | 18             | 4.2             | 14             |

|                           |                              |          |           |   |  |                    |           |        |                 |              |    |
|---------------------------|------------------------------|----------|-----------|---|--|--------------------|-----------|--------|-----------------|--------------|----|
|                           | USER NAME = mrdjja           | DESIGNED | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PROPOSED PIPE AND STRUCTURE TABLES<br/>IL. ROUTE 62 AT BARRINGTON RD.</b> | F.A.P.<br>RTE.     | SECTION   | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |    |
|                           |                              | DRAWN    | REVISED - |   |  | 339                | 116R-N    | COOK   | 68              | 28           |    |
|                           | PLOT SCALE = 100,0000' / in. | CHECKED  | REVISED - |   |  | CONTRACT NO. 60X88 |           |        |                 |              |    |
|                           | PLOT DATE = 5/15/2015        | DATE     | -         |   |  | SCALE: NONE        | SHEET NO. | OF     | SHEETS          | STA.         | TO |
| ILLINOIS FED. AID PROJECT |                              |          |           |   |  |                    |           |        |                 |              |    |

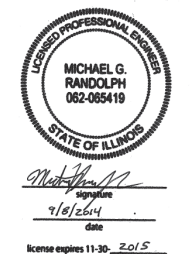


|         |         |               |
|---------|---------|---------------|
| — A —   | A       | AERIAL        |
| — — —   | UNKNOWN | UNKNOWN       |
| — O —   | O       | OIL           |
| — CTV — | CTV     | CABLE TV      |
| — T —   | T       | TELEPHONE     |
| — G —   | G       | GAS           |
| — E —   | E       | ELECTRIC      |
| — W —   | W       | WATER         |
| — FO —  | FO      | FIBER OPTIC   |
| ⊙       |         | TBE TEST HOLE |

| UTILITY OWNERS |               |
|----------------|---------------|
| AT&T           | - FIBER OPTIC |
| AT&T           | - TELEPHONE   |
| COM-ED         | - ELECTRIC    |
| NICOR          | - GAS         |

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed 8/04/14 through 8/07/14. Changes to utilities after 8/07/14 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



Utility Quality Level "A": Visually Verified Test Hole  
 Utility Quality Level "B": Designating/non Visually Verified Test Hole  
 Utility Quality Level "C": Research with Survey  
 Utility Quality Level "D": Records Research

| DESIGNED | MS      | REVISED |
|----------|---------|---------|
| DRAWN    | SRK     | REVISED |
| CHECKED  | MGR     | REVISED |
| DATE     | 9/05/14 | REVISED |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

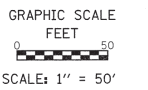
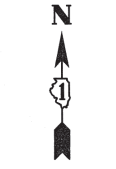
IL 62 (Algonquin Road) at Barrington Road  
 Barrington, Illinois

| F.A. RTE.                                     | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|--------|--------------|-----------|
| 339   | 116R-N  | Cook   | 89           | 29        |
| Contract No. 60X88                            |         |        |              |           |
| FED. ROAD DIST. NO. ILLINOIS IDOT Project No. |         |        |              |           |

TBE Job No. IL09510614  
 SUE Plan Page: 1 of 1

PART OF THE SOUTHWEST QUARTER OF SECTION 24, TWP. 42 N., R. 9 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LEGEND



- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

- SURVEY NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
  - BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
  - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.999978111.
  - AREAS SHOWN ON THIS PLAT ARE "GROUND".
  - FIELD SURVEY COMPLETED ON NOVEMBER 15, 2013.

STATE OF ILLINOIS )  
 ) JSS  
 COUNTY OF COOK )

THIS IS TO CERTIFY THAT I, MIGUEL A. COREANO, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 24, TOWNSHIP 42 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT SCHAUMBURG, ILLINOIS THIS 28TH DAY OF MARCH 2014 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3874  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



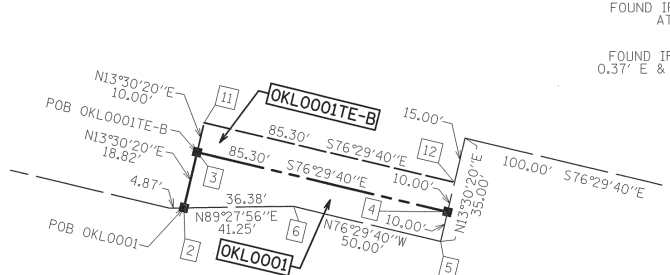
**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**ILLINOIS ROUTE 62**

LIMITS: AT BARRINGTON ROAD COUNTY: COOK  
 SECTION: STA. 200+00.00 TO STA. 209+50.00 JOB NO.: R-90-017-13  
 SCALE: 1" = 50' SHEET 2 OF 2 SHEETS

**BUREAU OF LAND ACQUISITION**  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196

PROJECT COORDINATES  
 ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

| POINT NUMBER | NORTHING    | EASTING     | STATION   | OFFSET | L/R |
|--------------|-------------|-------------|-----------|--------|-----|
| 1            | 1977990.727 | 1036497.362 | 200+59.43 | 65.64  | L   |
| 2            | 1977813.544 | 1037240.122 | 208+23.03 | 66.25  | L   |
| 3            | 1977831.843 | 1037244.517 | 208+23.04 | 85.07  | L   |
| 4            | 1977811.923 | 1037327.455 | 209+08.34 | 85.01  | L   |
| 5            | 1977802.206 | 1037325.121 | 209+08.33 | 75.01  | L   |
| 6            | 1977813.883 | 1037276.504 | 208+58.33 | 75.05  | L   |
| 7            | 1978016.449 | 1036497.316 | 200+53.39 | 90.65  | L   |
| 8            | 1977982.195 | 1036639.933 | 202+00.07 | 90.54  | L   |
| 9            | 1977902.027 | 1036888.072 | 204+60.05 | 70.34  | L   |
| 10           | 1977897.166 | 1036886.905 | 204+60.05 | 65.34  | L   |
| 11           | 1977841.566 | 1037246.852 | 208+23.05 | 95.07  | L   |
| 12           | 1977821.646 | 1037329.791 | 209+08.35 | 95.01  | L   |

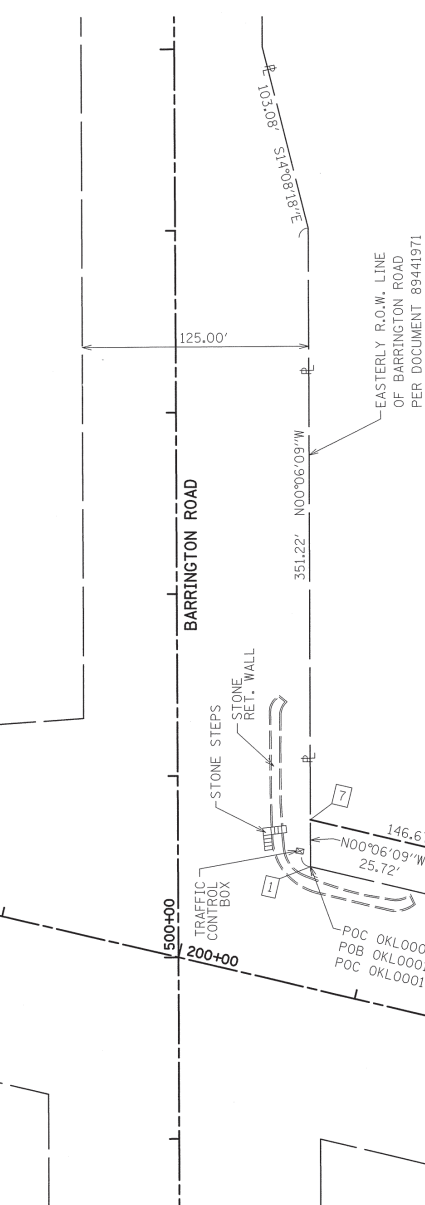


DETAIL  
 SCALE 1" = 30'



TOTAL HOLDING DETAIL  
 SCALE 1" = 300'

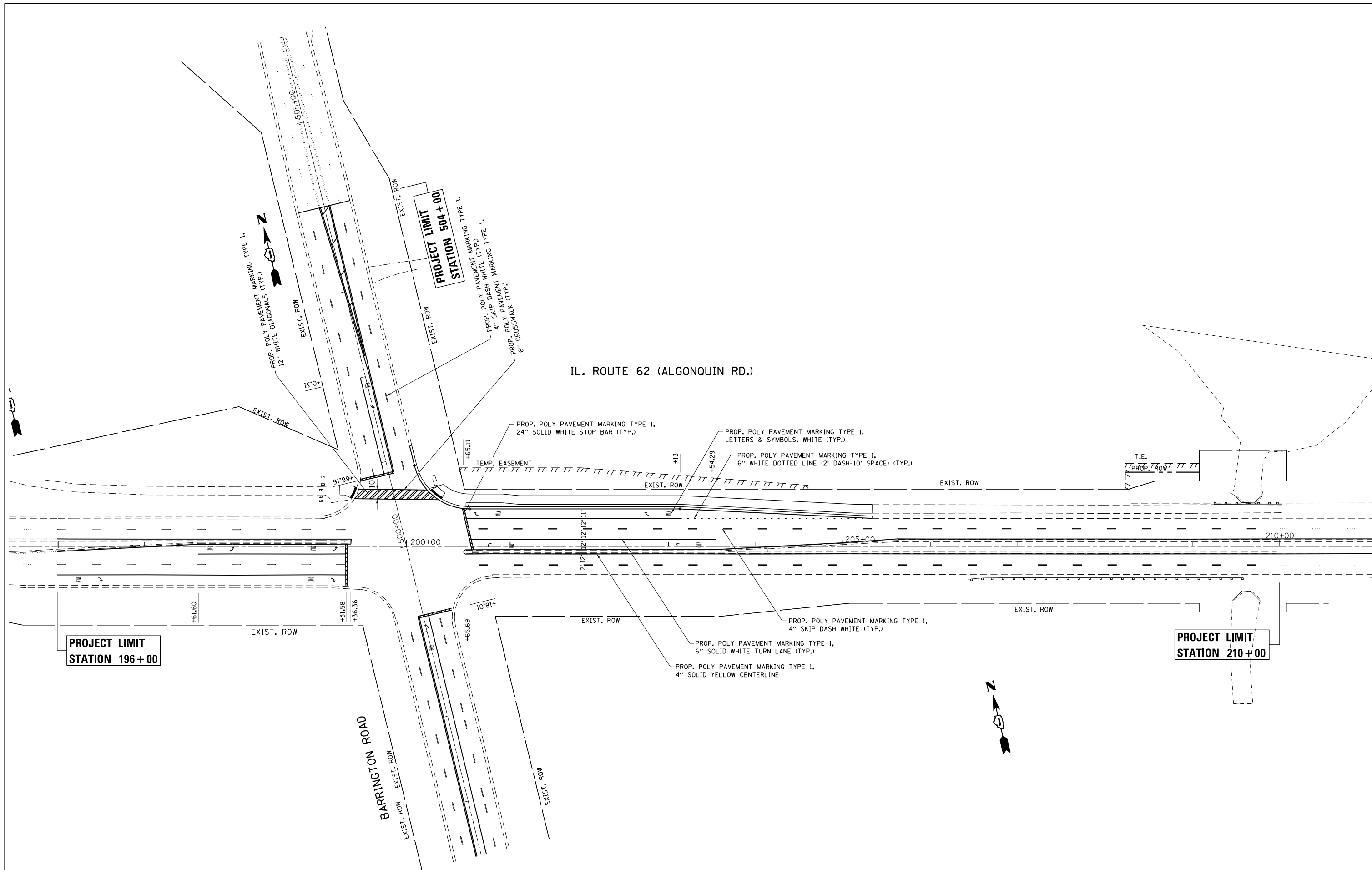
WILLOWMERE SUBDIVISION UNIT ONE  
 RECORDED SEPTEMBER 19, 1989  
 AS DOCUMENT NUMBER 89441971  
 CORRECTED BY CERTIFICATES OF CORRECTION  
 RECORDED JANUARY 5, 1990 AS DOCUMENT NUMBER 90008418 AND  
 RECORDED FEBRUARY 17, 1993 AS DOCUMENT NUMBER 93123475



| PARCEL NUMBER                       | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA              |             | PARCEL INDEX NUMBER            |
|-------------------------------------|----------------------|------------------|-------------------------------|----------------------|----------------------------|-------------|--------------------------------|
|                                     |                      |                  |                               |                      | ACRES                      | SQUARE FEET |                                |
| OKLOO01<br>OKLOO01E-A<br>OKLOO01E-B | 59.448               | 0.023            | N/A                           | 59.425               | TE-A= 0.172<br>TE-B= 0.020 |             | 01-24-300-040<br>01-24-300-041 |

**IDOT USE ONLY**  
 RECEIVED  
 APR 14 2014  
 PLATS & LEGALS

REVISION DATE: / / REVISION MADE BY:



IL. ROUTE 62 (ALGONQUIN RD.)

BARRINGTON ROAD

**PROJECT LIMIT  
STATION 196 + 00**

**PROJECT LIMIT  
STATION 210 + 00**

**PROJECT LIMIT  
STATION 504 + 00**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

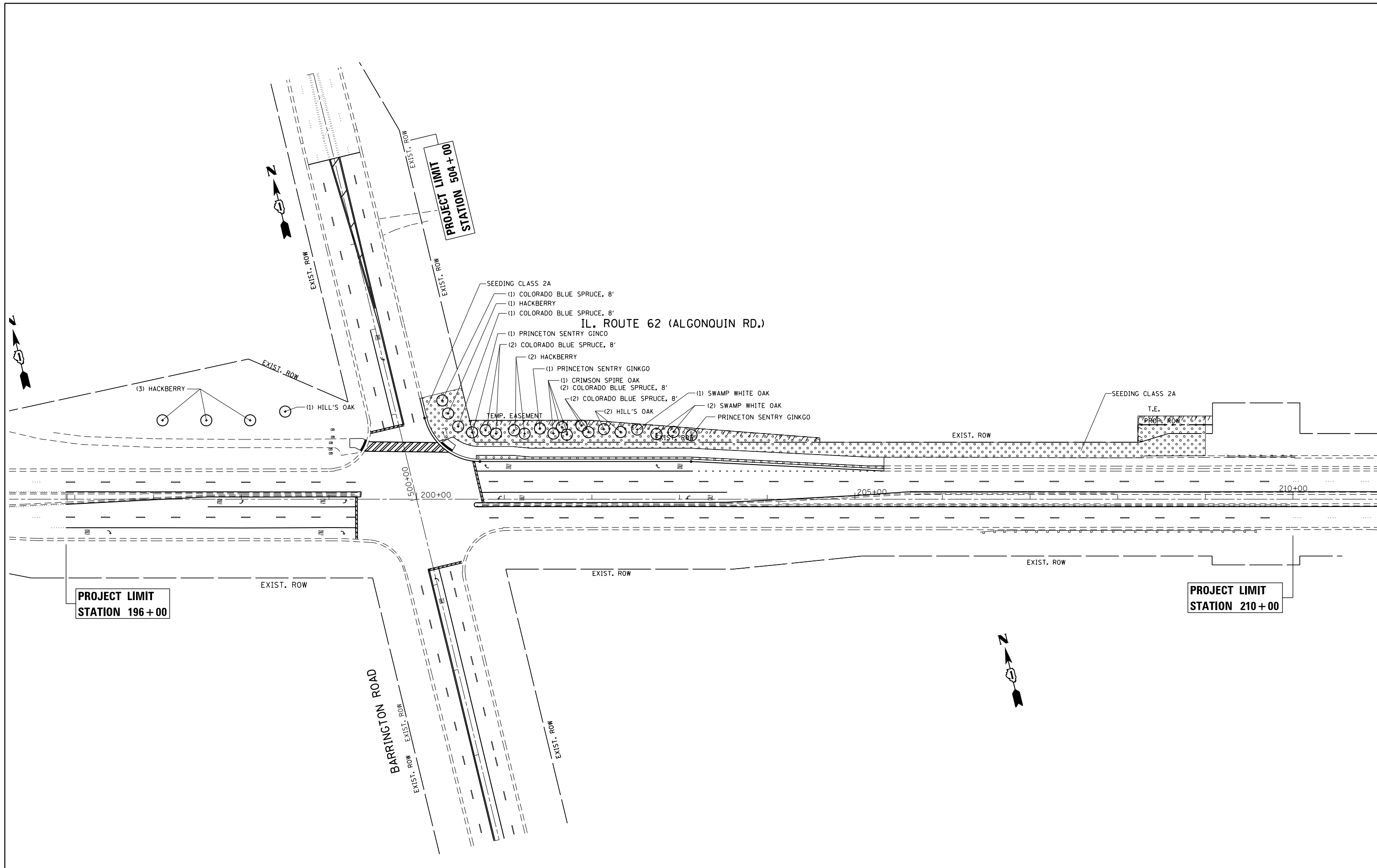
PROPOSED PAVEMENT MARKING PLAN  
IL. ROUTE 62 (ALGONQUIN ROAD) AT BARRINGTON ROAD  
SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 339                       | 116R-N  | COOK   | 69           | 31        |
| CONTRACT NO. 60X88        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

|   |                              |            |           |
|---|------------------------------|------------|-----------|
| FILE NAME =   | USER NAME = abebawa          | DESIGNED - | REVISED - |
| et:\pw\work\p\dot\abebawa\d0299677\F124512-sh-t-pmk.dgn |                              | DRAWN -    | REVISED - |
| Default   | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |
|   | PLOT DATE = 5/18/2015        | DATE -     | REVISED - |







|  |                              |            |           |
|--|------------------------------|------------|-----------|
| FILE NAME =  | USER NAME = midyja           | DESIGNED - | REVISED - |
| c:\pw\work\p1dot\midyja\0299677\p12462-sht-landscp.dgn |                              | DRAWN -    | REVISED - |
| Default  | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |
|  | PLOT DATE = 5/15/2015        | DATE -     | REVISED - |

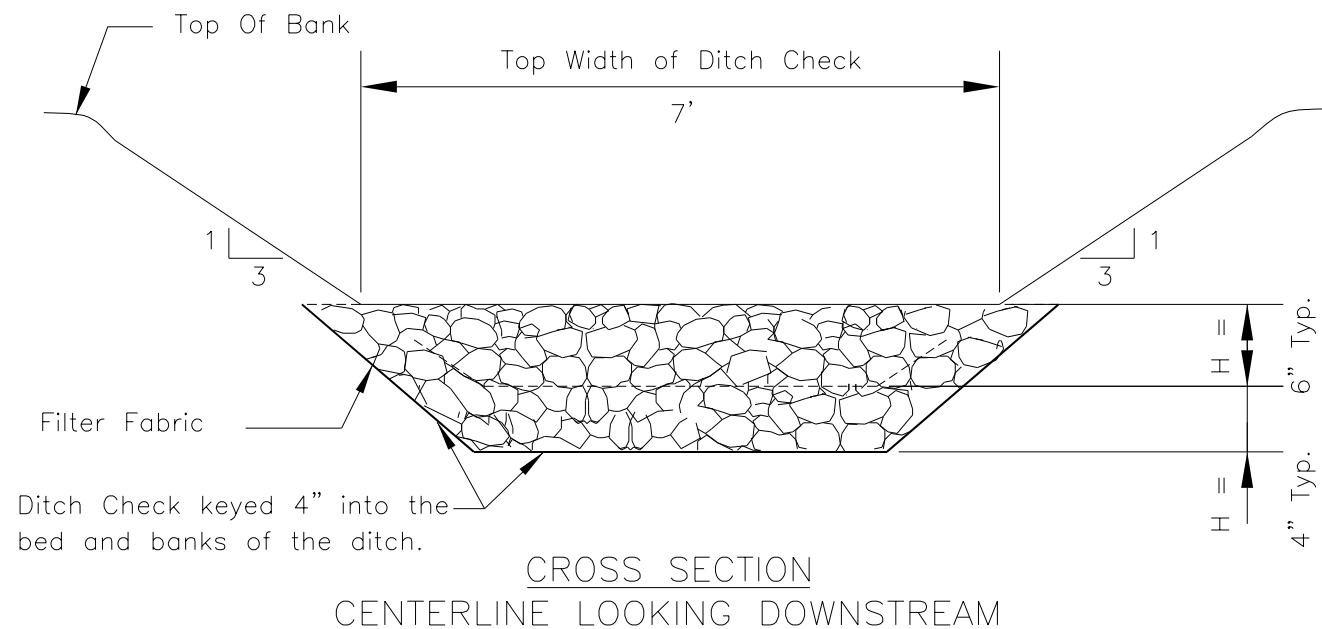
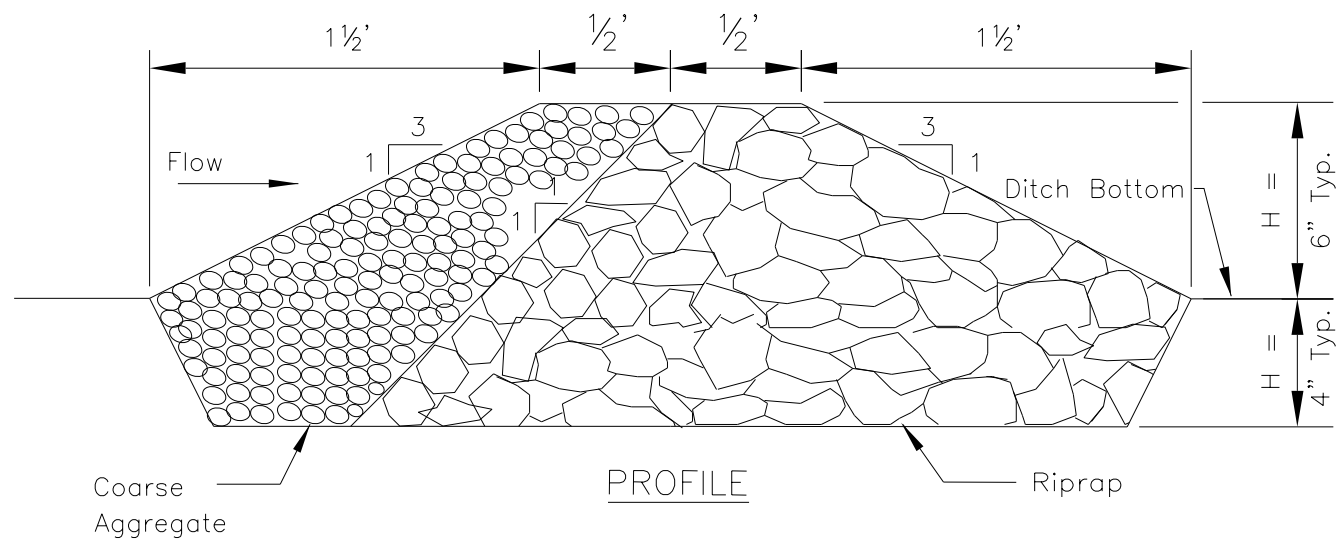
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN  
IL. ROUTE 62 (ALGONQUIN ROAD) AT BARRINGTON ROAD**

SCALE: 1" = 50'    SHEET    OF    SHEETS    STA.    TO    STA.

| F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 339                       | 116R-N  | COOK   | 69           | 33        |
| <b>CONTRACT NO. 60X88</b> |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |





NOTES:

1. Filter fabric shall meet the requirements of Article 282 of the Standard Specifications for Road and Bridge Construction.
2. Coarse aggregate shall meet one of the following IDOT gradations, CA-6, CA-7, or CA-8 per Article 1004 of the Standard Specifications for Road and Bridge Construction.
3. Riprap shall meet IDOT gradation RR-3 or RR-4 and meet Quality Designation A.
4. Coarse aggregate and riprap shall be placed according to Article 281 of the Standard Specifications for Road and Bridge Construction.
5. See plans for location of ditch checks.
6. For added stability, the ditch check shall be keyed 4 inches into the bed and banks of the ditch.

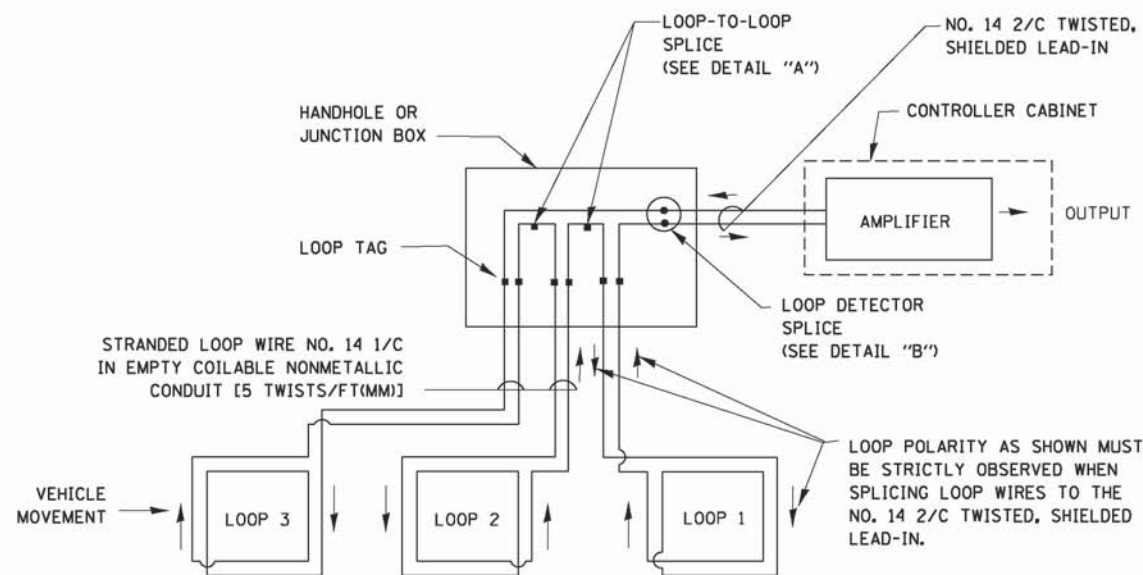
# TRAFFIC SIGNAL LEGEND

| ITEM  | REMOVAL  | EXISTING | PROPOSED | ITEM  | REMOVAL | EXISTING | PROPOSED | ITEM  | REMOVAL | EXISTING | PROPOSED |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
|---|----------|----------|----------|---|---------|----------|----------|---|---------|----------|----------|--|----------|----------|--------------------------|--|--|------------------------------|--|--|-----------------|--|--|---------------|--|--|-----------|--|--|
| CONTROLLER CABINET  |          |          |          | EMERGENCY VEHICLE LIGHT DETECTOR  |         |          |          | ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| RAILROAD CONTROL CABINET  |          |          |          | CONFIRMATION BEACON   |         |          |          | COAXIAL CABLE   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| COMMUNICATIONS CABINET  |          |          |          | HANDHOLE  |         |          |          | VENDOR CABLE FOR CAMERA   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| MASTER CONTROLLER   |          |          |          | HEAVY DUTY HANDHOLE   |         |          |          | COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED  |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| MASTER MASTER CONTROLLER  |          |          |          | DOUBLE HANDHOLE   |         |          |          | FIBER OPTIC CABLE NO. 62.5/125, MM12F   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| UNINTERRUPTABLE POWER SUPPLY  |          |          |          | JUNCTION BOX  |         |          |          | FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT                        |          |          |          | UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)  |         |          |          | FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT                         |          |          |          | TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE   |         |          |          | FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| STEEL MAST ARM ASSEMBLY AND POLE  |          |          |          | COMMON TRENCH   |         |          |          | GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE  |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| ALUMINUM MAST ARM ASSEMBLY AND POLE                                       |          |          |          | COILABLE NONMETALLIC CONDUIT (EMPTY)  |         |          |          | CONTROLLER CABINET AND FOUNDATION TO BE REMOVED   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE               |          |          |          | SYSTEM ITEM   |         |          |          | STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED  |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA              |          |          |          | INTERSECTION ITEM   |         |          |          | ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| SIGNAL POST   |          |          |          | REMOVE ITEM   |         |          |          | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED  |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM           |          |          |          | RELOCATE ITEM   |         |          |          | SIGNAL POST AND FOUNDATION TO BE REMOVED  |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| GUY WIRE  |          |          |          | ABANDON ITEM  |         |          |          | INTERSECTION & SAMPLING (SYSTEM) DETECTOR   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| SIGNAL HEAD   |          |          |          | 12" (300mm) TRAFFIC SIGNAL SECTION  |         |          |          | SAMPLING (SYSTEM) DETECTOR  |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE) |          |          |          | 12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE  |         |          |          | QUEUE DETECTOR  |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| SIGNAL HEAD WITH BACKPLATE  |          |          |          | SIGNAL FACE   |         |          |          | PREFORMED QUEUE DETECTOR  |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| SIGNAL HEAD OPTICALLY PROGRAMMED  |          |          |          | SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD   |         |          |          | PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| FLASHER INSTALLATION (S DENOTES SOLAR POWER)                              |          |          |          | "RB" INDICATES REFLECTIVE BACKPLATE   |         |          |          | PREFORMED SAMPLING (SYSTEM) DETECTOR  |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| PEDESTRIAN SIGNAL HEAD  |          |          |          | 12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL   |         |          |          | <h2 style="margin: 0;">RAILROAD SYMBOLS</h2> <table style="width: 100%; border: none;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">EXISTING</th> <th style="width: 25%;">PROPOSED</th> </tr> </thead> <tbody> <tr> <td>RAILROAD CONTROL CABINET</td> <td></td> <td></td> </tr> <tr> <td>RAILROAD CANTILEVER MAST ARM</td> <td></td> <td></td> </tr> <tr> <td>FLASHING SIGNAL</td> <td></td> <td></td> </tr> <tr> <td>CROSSING GATE</td> <td></td> <td></td> </tr> <tr> <td>CROSSBUCK</td> <td></td> <td></td> </tr> </tbody> </table> |         |          |          |  | EXISTING | PROPOSED | RAILROAD CONTROL CABINET |  |  | RAILROAD CANTILEVER MAST ARM |  |  | FLASHING SIGNAL |  |  | CROSSING GATE |  |  | CROSSBUCK |  |  |
|   | EXISTING | PROPOSED |          |   |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| RAILROAD CONTROL CABINET  |          |          |          |   |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| RAILROAD CANTILEVER MAST ARM  |          |          |          |   |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| FLASHING SIGNAL   |          |          |          |   |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| CROSSING GATE   |          |          |          |   |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| CROSSBUCK   |          |          |          |   |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| PEDESTRIAN PUSHBUTTON DETECTOR  |          |          |          | 12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED   |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR                                 |          |          |          | 12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID  |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| ILLUMINATED SIGN "NO LEFT TURN"   |          |          |          | PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER  |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| ILLUMINATED SIGN "NO RIGHT TURN"  |          |          |          | RADIO INTERCONNECT  |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| DETECTOR LOOP, TYPE I   |          |          |          | RADIO REPEATER  |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| PREFORMED DETECTOR LOOP   |          |          |          | DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| MICROWAVE VEHICLE SENSOR  |          |          |          | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)  |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| VIDEO DETECTION CAMERA  |          |          |          |   |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| VIDEO DETECTION ZONE  |          |          |          |   |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| PAN, TILT, ZOOM CAMERA  |          |          |          |   |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| WIRELESS DETECTOR SENSOR  |          |          |          |   |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |
| WIRELESS ACCESS POINT   |          |          |          |   |         |          |          |   |         |          |          |  |          |          |                          |  |  |                              |  |  |                 |  |  |               |  |  |           |  |  |

TS SHT NO. 1

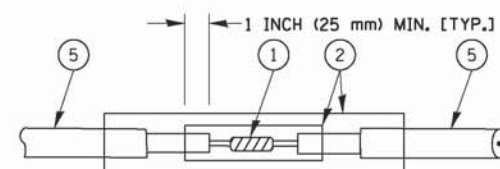
**LOOP DETECTOR NOTES**

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

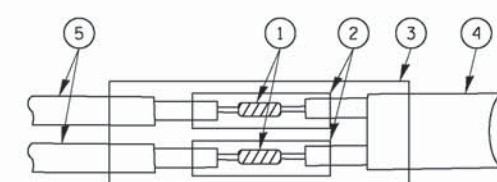


**DETECTOR LOOP WIRING SCHEMATIC**

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



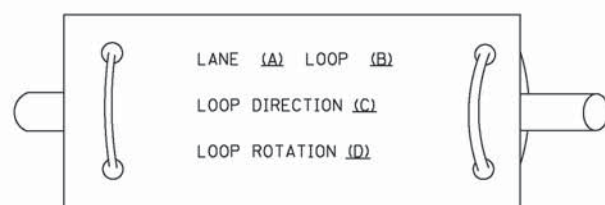
DETAIL "A"  
LOOP-TO-LOOP SPLICE



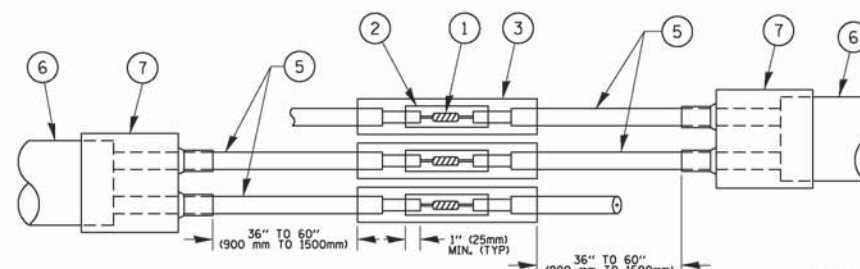
DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**

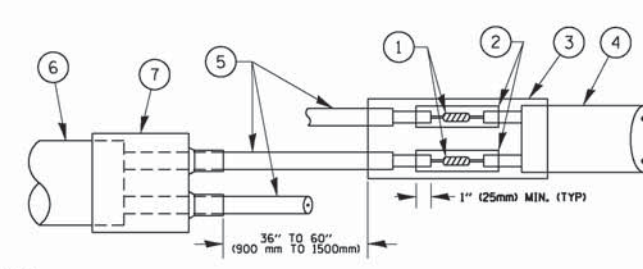
**LOOP LEAD-IN CABLE TAG**



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



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

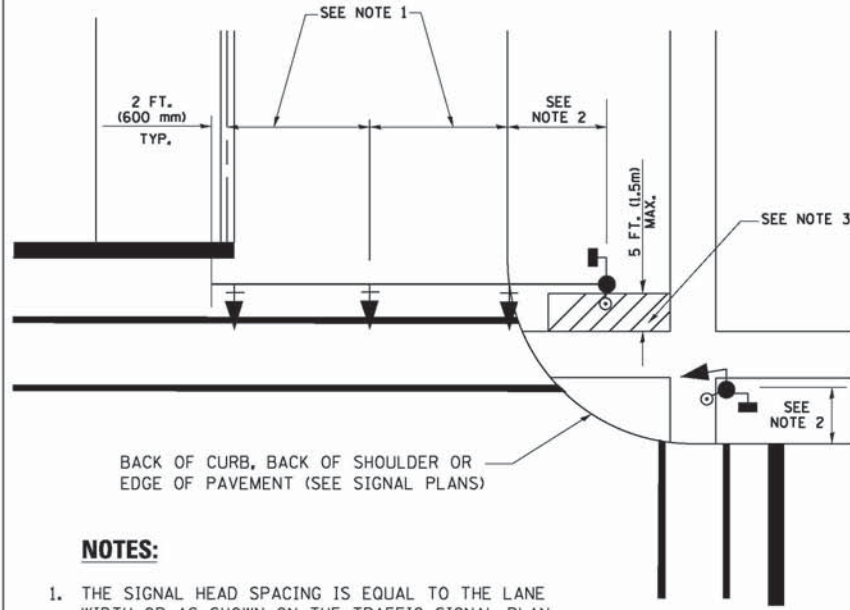
**LOOP DETECTOR SPLICE**

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

TS SHT NO. 2

|  |                             |                 |                      |   |  |                         |                 |                |             |                    |              |  |
|--|-----------------------------|-----------------|----------------------|---|--|-------------------------|-----------------|----------------|-------------|--------------------|--------------|--|
| FILE NAME =                                  | USER NAME = footemj         | DESIGNED - DAD  | REVISED - DAG 1-1-14 | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>DISTRICT ONE<br/>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b> |                         | F.A.P. RTE. 339 | SECTION 116R-N | COUNTY COOK | TOTAL SHEETS 69    | SHEET NO. 37 |  |
| ct:\pw_work\pwwork\footemj\d0108315\ts05.dgn | PLOT SCALE = 58.8888' / in. | DRAWN - BCK     | REVISED -            |   | SCALE: NONE  | SHEET NO. 2 OF 7 SHEETS | STA. TO STA.    | <b>TS-05</b>   |             | CONTRACT NO. 60X88 |              |  |
|  | PLOT DATE = 1/13/2014       | CHECKED - DAD   | REVISED -            |   | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT                |                         |                 |                |             |                    |              |  |
|  |                             | DATE - 10-28-09 | REVISED -            |   |  |                         |                 |                |             |                    |              |  |

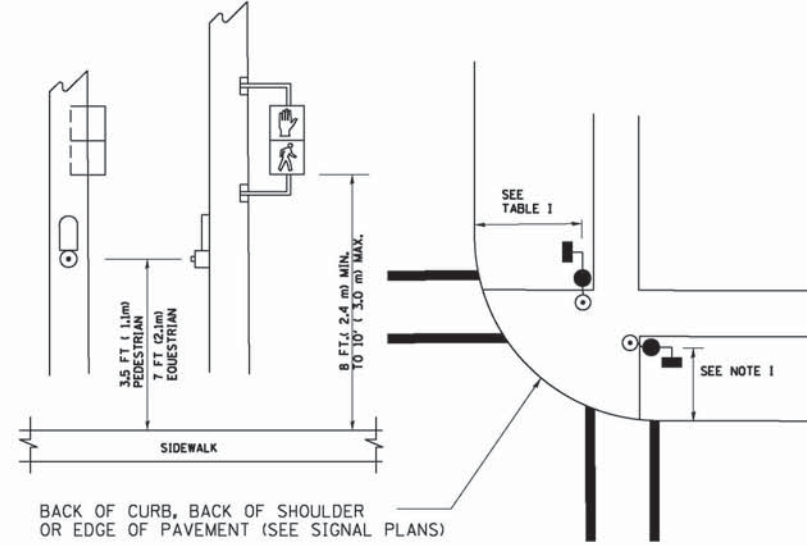
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**NOTES:**

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

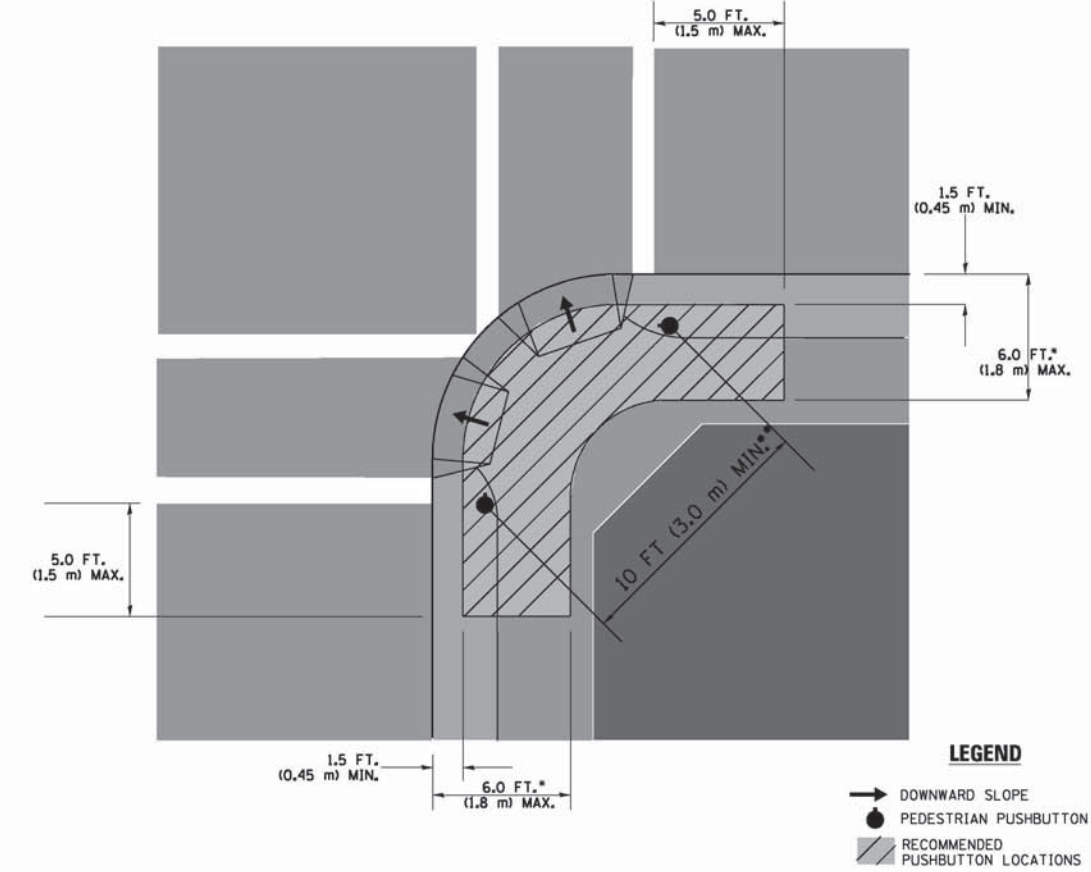
**PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

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

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

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

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

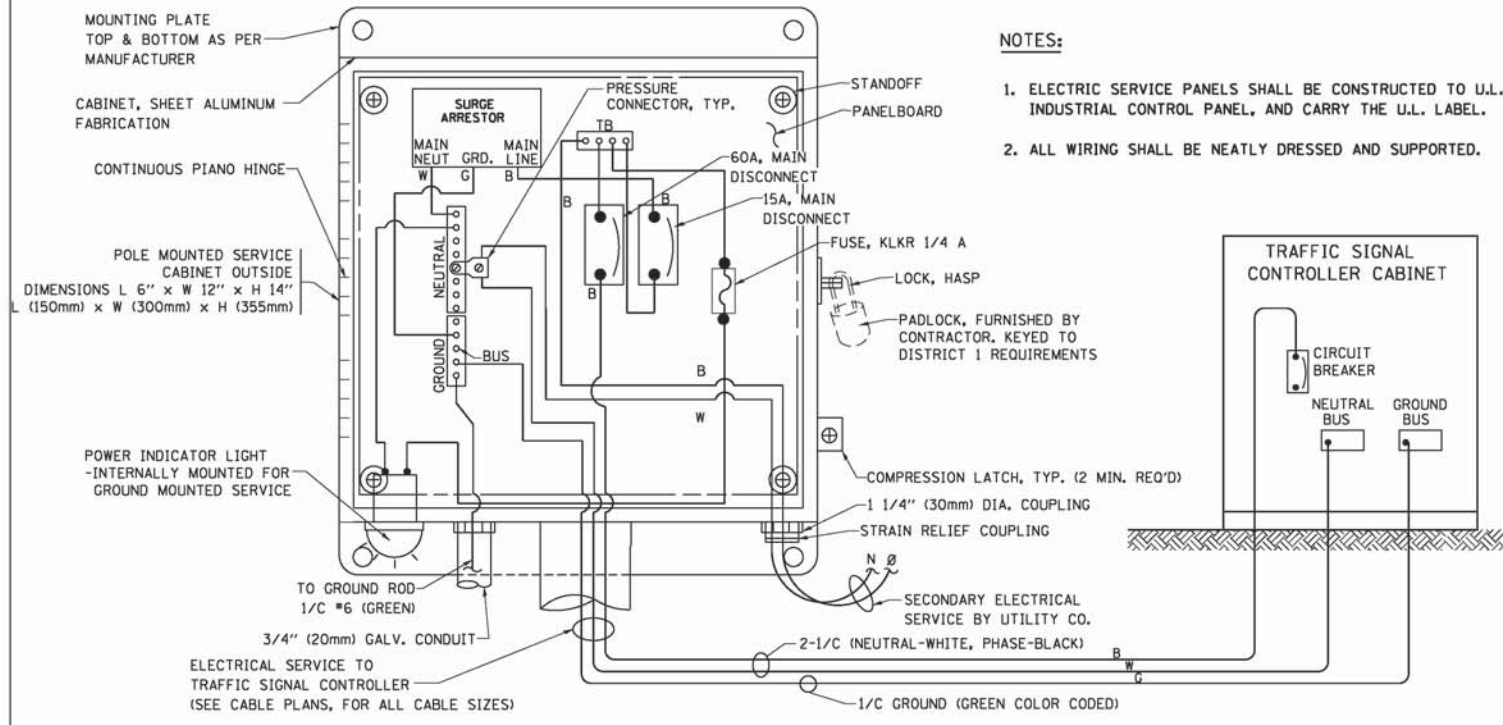
| TRAFFIC SIGNAL EQUIPMENT           | COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION) | SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION) |
|------------------------------------|---|---|
| TRAFFIC SIGNAL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

**NOTES:**

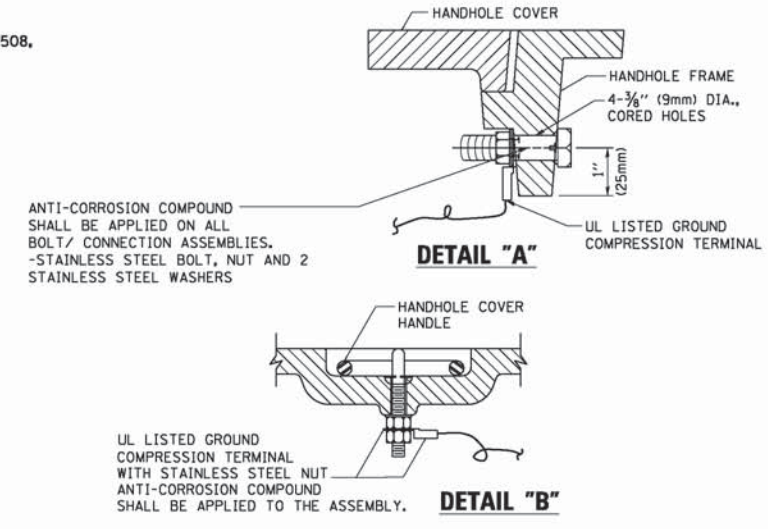
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM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

TS SHT NO. 3

|                                |                     |                |                      |   |  |                              |                |                                  |                 |                    |
|--------------------------------|---------------------|----------------|----------------------|---|--|------------------------------|----------------|----------------------------------|-----------------|--------------------|
| FILE NAME =                    | USER NAME = footemj | DESIGNED - DAD | REVISED - DAG 1-1-14 | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>DISTRICT ONE<br/>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b> | F.A.P. RTE. 339              | SECTION 116R-N | COUNTY COOK                      | TOTAL SHEETS 69 | SHEET NO. 38       |
| DRAWN - BCK                    | CHECKED - DAD       | REVISIED -     | SCALE: NONE          |   |  | SHEET NO. 3 OF 7 SHEETS      | STA. TO STA.   | <b>TS-05</b>                     |                 | CONTRACT NO. 60X88 |
| PLLOT SCALE = 50,0000 ' / 1" = | DATE - 10-28-09     | REVISIED -     |                      |   |  | <b>FED. ROAD DIST. NO. 1</b> |                | <b>ILLINOIS FED. AID PROJECT</b> |                 |                    |
| PLLOT DATE = 1/13/2014         |                     |                |                      |   |  |                              |                |                                  |                 |                    |

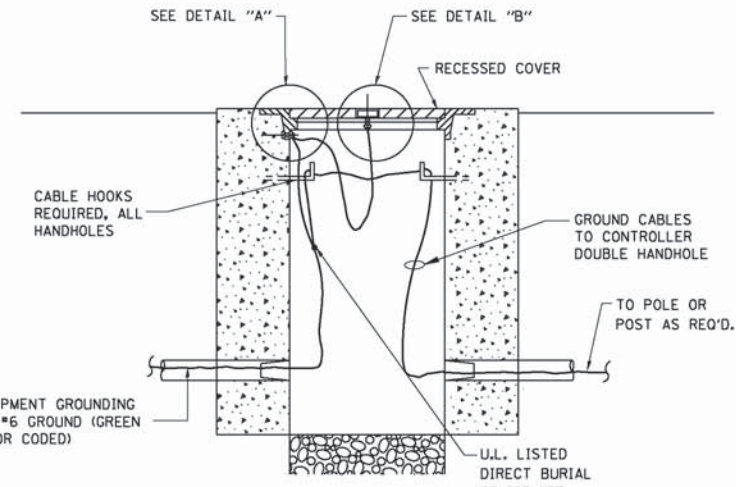


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)**

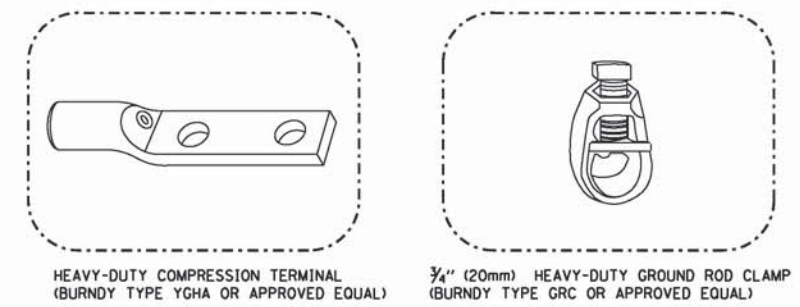


**NOTES:**  
**GROUNDING SYSTEM**

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

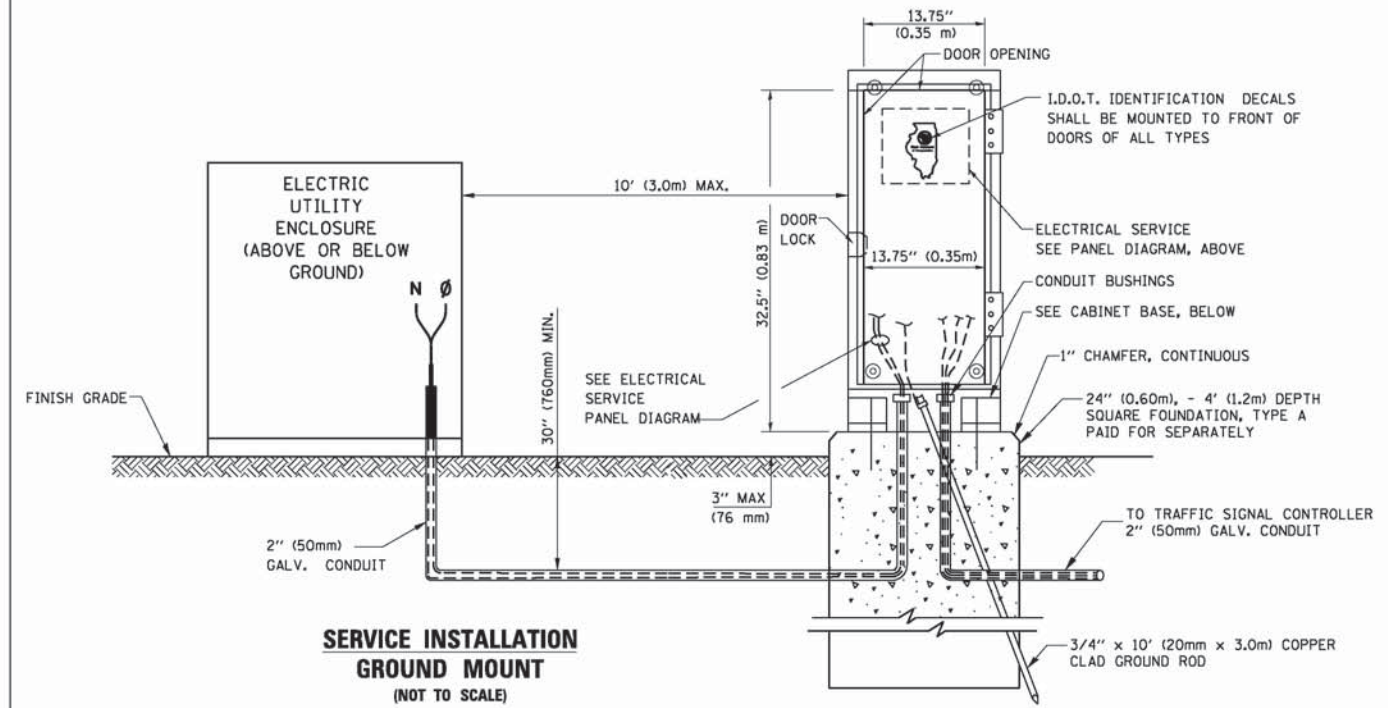


**HANDHOLE COVER & FRAME – GROUNDING DETAIL (NOT TO SCALE)**

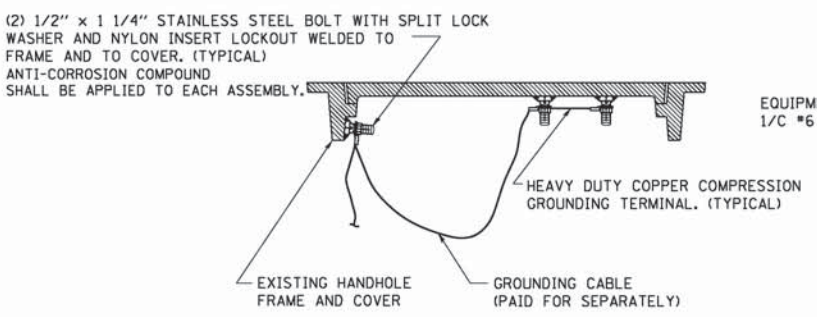


**NOTES:**

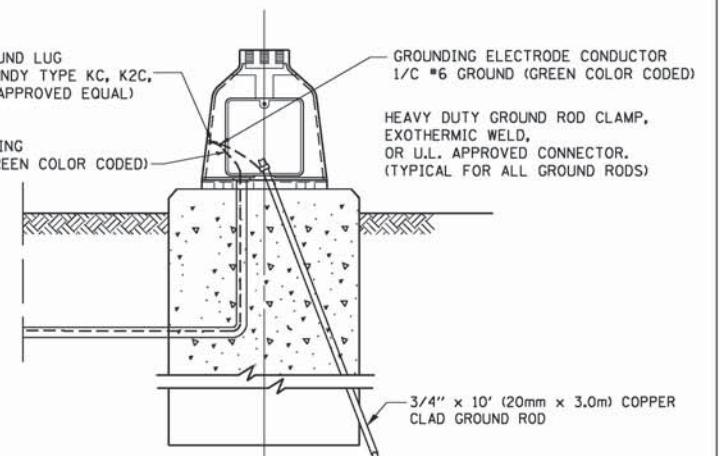
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



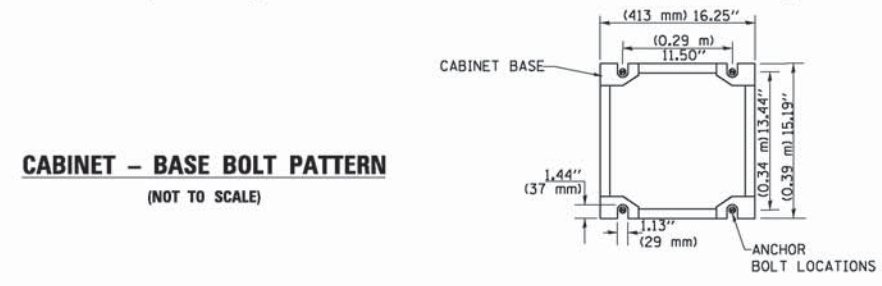
**SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)**



**EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL (NOT TO SCALE)**



**MAST ARM POLE / POST-GROUNDING DETAIL (NOT TO SCALE)**



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

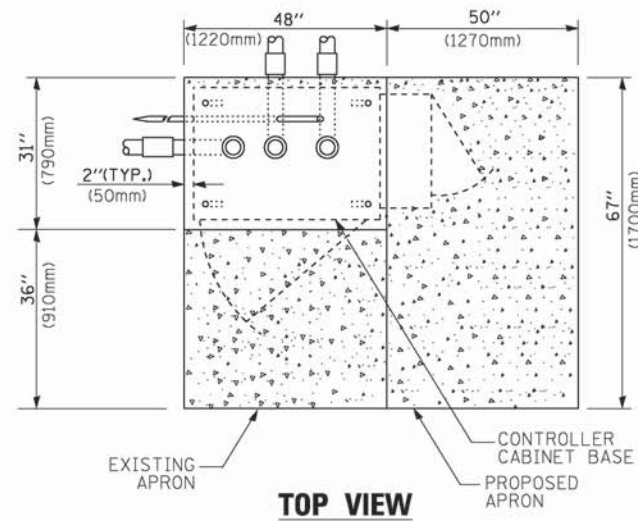
TS SHT NO. 4

|  |                     |                 |                      |
|--|---------------------|-----------------|----------------------|
| FILE NAME =                                  | USER NAME = footemj | DESIGNED - DAD  | REVISED - DAG 1-1-14 |
| ci:\pw_work\pwsdot\Footemj\d0108315\ts05.dgn |                     | DRAWN - BCK     | REVISED -            |
| PLOT SCALE = 50.0000' / 1"                   |                     | CHECKED - DAD   | REVISED -            |
| PLOT DATE = 1/13/2014                        |                     | DATE - 10-28-09 | REVISED -            |

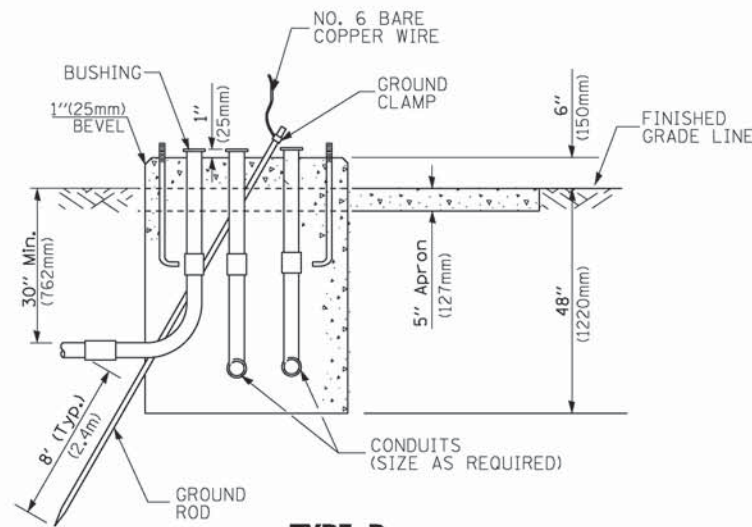
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

|   |                         |      |         |
|---|-------------------------|------|---------|
| <b>DISTRICT ONE</b>                           |                         |      |         |
| <b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b> |                         |      |         |
| SCALE: NONE                                   | SHEET NO. 4 OF 7 SHEETS | STA. | TO STA. |

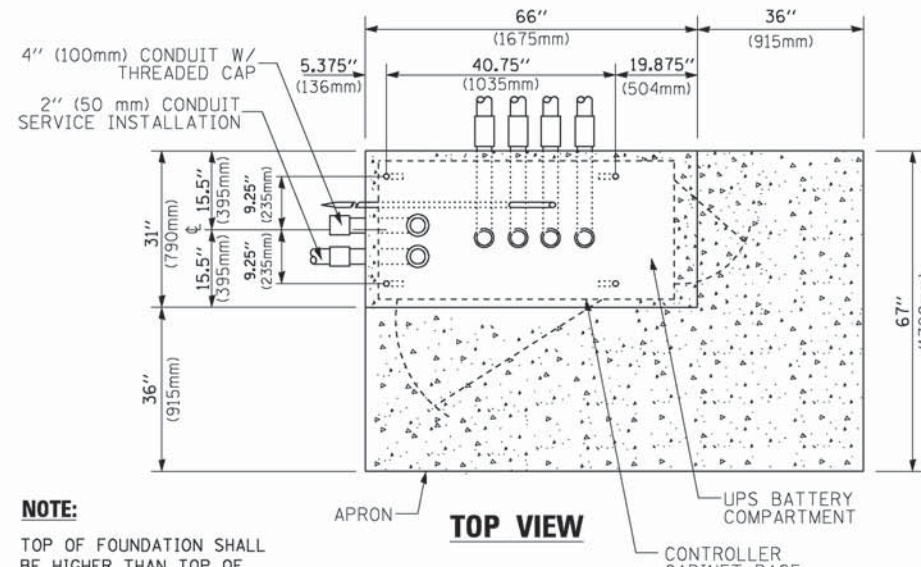
|   |                |                    |                 |              |
|---|----------------|--------------------|-----------------|--------------|
| F.A.P. RTE. 339                                 | SECTION 116R-N | COUNTY COOK        | TOTAL SHEETS 69 | SHEET NO. 39 |
| <b>TS-05</b>                                    |                | CONTRACT NO. 60X88 |                 |              |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |                |                    |                 |              |



**TOP VIEW**

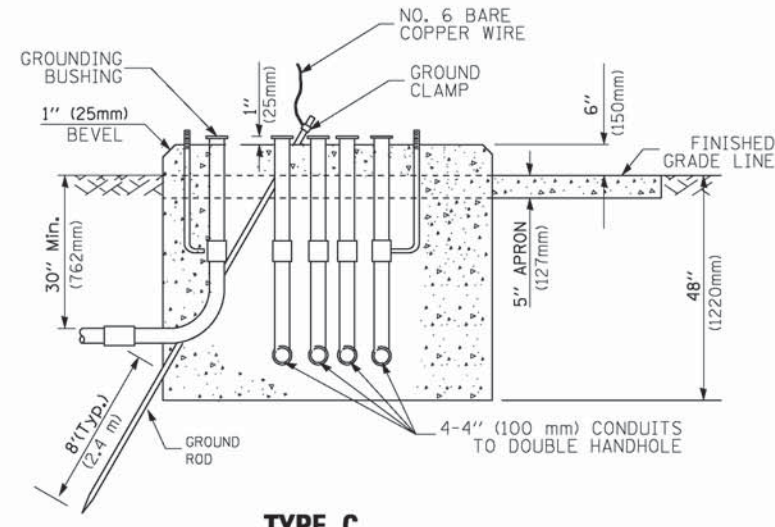


**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**

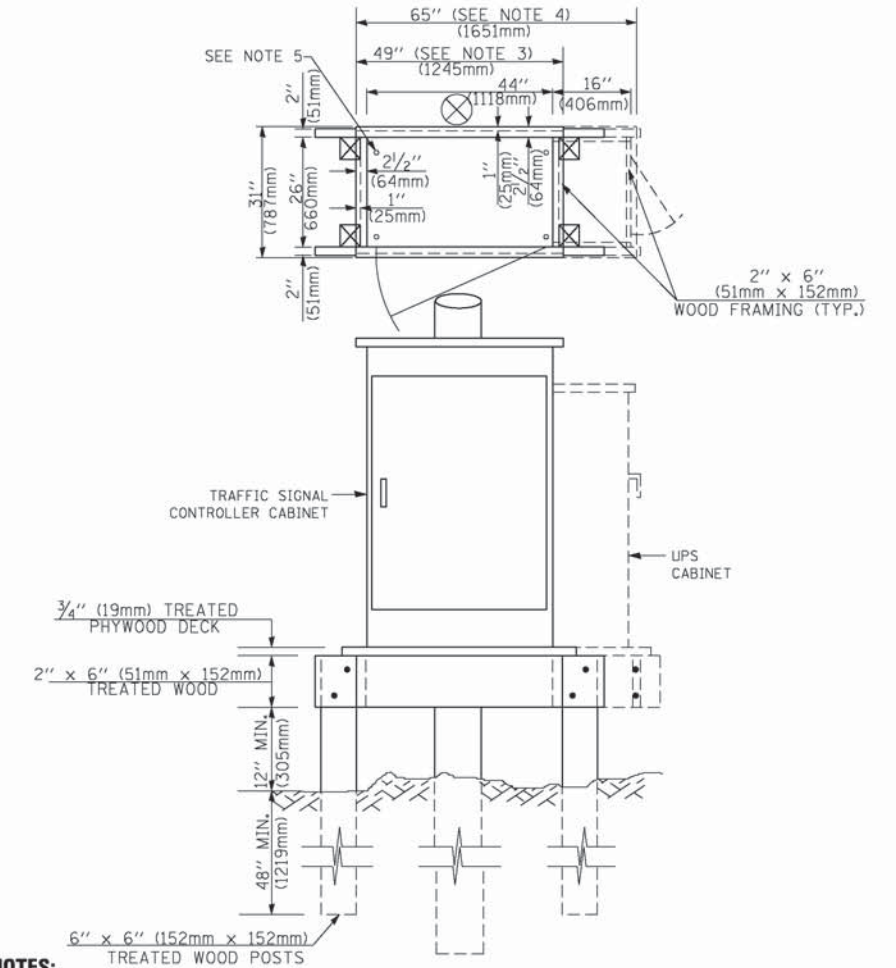


**TOP VIEW**

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



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



**NOTES:**

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

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

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

**CABLE SLACK**

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

**VERTICAL CABLE LENGTH**

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

**DEPTH OF FOUNDATION**

| MAST ARM LENGTH  | ① FOUNDATION DEPTH | FOUNDATION DIAMETER | SPIRAL DIAMETER | QUANTITY OF REBARS | SIZE OF REBARS |
|--|--------------------|---------------------|-----------------|--------------------|----------------|
| Less than 30' (9.1 m)  | 10'-0" (3.0 m)     | 30" (750mm)         | 24" (600mm)     | 8                  | 6(19)          |
| Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)  | 13'-6" (4.1 m)     | 30" (750mm)         | 24" (600mm)     | 8                  | 6(19)          |
| Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m) | 11'-0" (3.4 m)     | 36" (900mm)         | 24" (600mm)     | 12                 | 7(22)          |
| Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)     | 13'-0" (4.0 m)     | 36" (900mm)         | 30" (750mm)     | 12                 | 7(22)          |
| Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)     | 15'-0" (4.6 m)     | 36" (900mm)         | 30" (750mm)     | 12                 | 7(22)          |
| Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m) | 21'-0" (6.4 m)     | 42" (1060mm)        | 36" (900mm)     | 16                 | 8(25)          |
| Greater than or equal to 75' (22.9 m) and up to 85' (25.9 m)     | 25'-0" (7.6 m)     | 42" (1060mm)        | 36" (900mm)     | 16                 | 8(25)          |

**NOTES:**

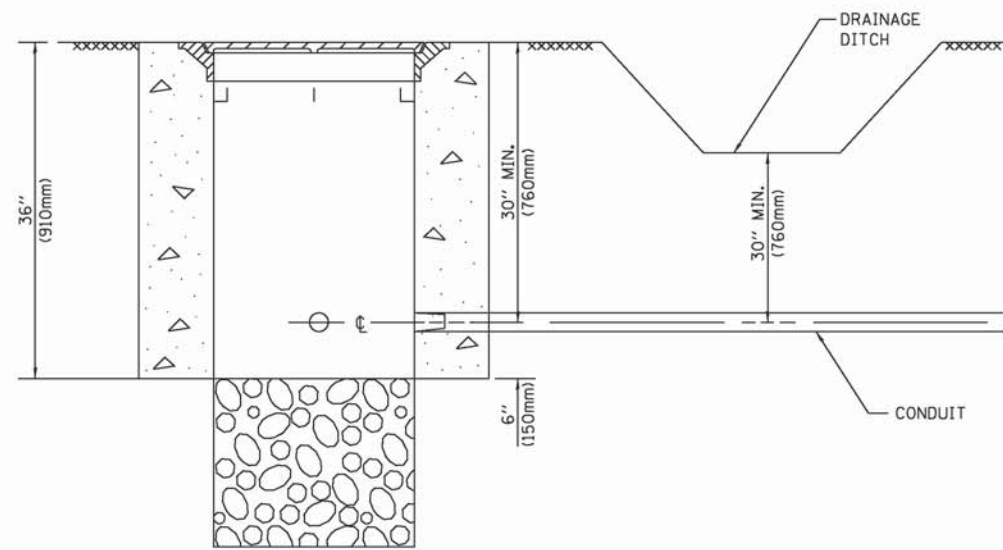
1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer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

**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

TS SHT NO. 5

|             |                              |                 |                      |   |  |                 |                         |                    |   |              |  |  |
|-------------|------------------------------|-----------------|----------------------|---|--|-----------------|-------------------------|--------------------|---|--------------|--|--|
| FILE NAME = | USER NAME = footemj          | DESIGNED - DAG  | REVISED - DAG 1-1-14 | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>DISTRICT ONE<br/>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b> | F.A.P. RTE. 339 | SECTION 116R-N          | COUNTY COOK        | TOTAL SHEETS 69                                 | SHEET NO. 40 |  |  |
|             | PLOT SCALE = 50.0000' / 1" = | CHECKED - DAD   | REVISED -            |   |  | <b>TS-05</b>    |                         | CONTRACT NO. 60X88 |   |              |  |  |
|             | PLOT DATE = 1/13/2014        | DATE - 10-28-09 | REVISED -            |   |  | SCALE: NONE     | SHEET NO. 5 OF 7 SHEETS | STA. TO STA.       | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |              |  |  |

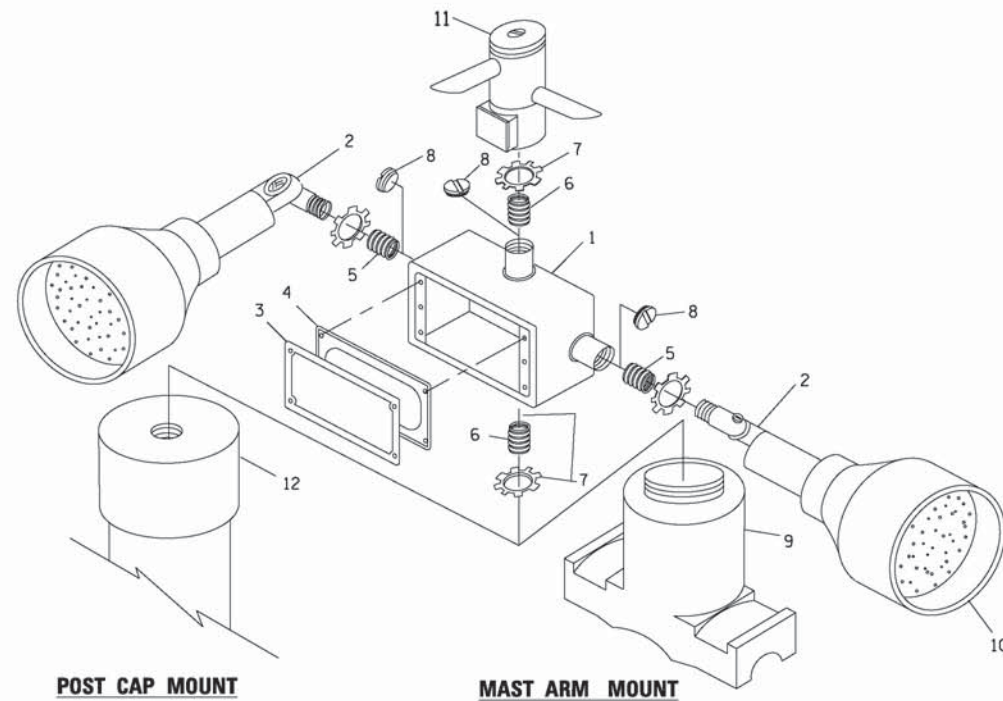




**NOTES:**

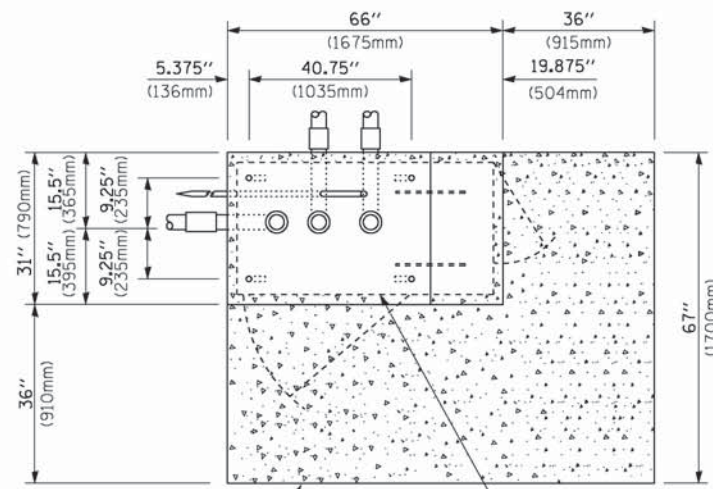
1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY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

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

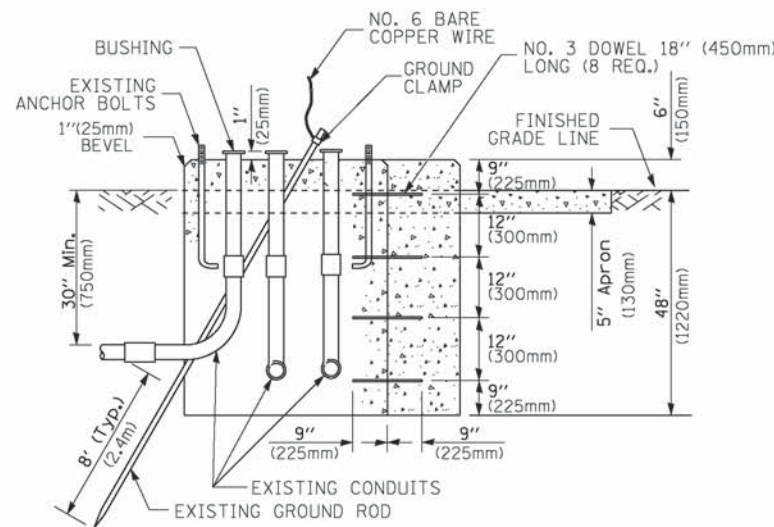


**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**

TS SHT NO. 6



**TOP VIEW**  
(NOT TO SCALE)

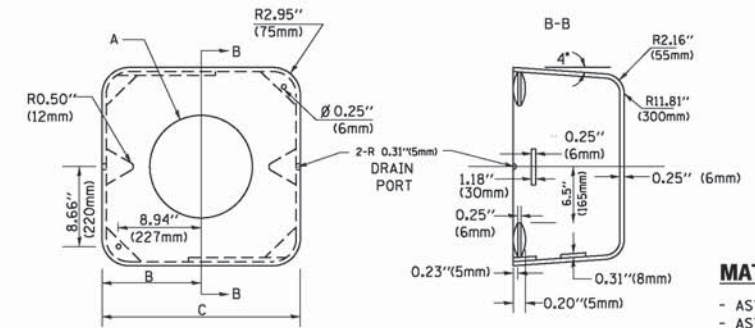


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

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

**NOTES:**

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



**MATERIAL:**  
- ASTM A36 STEEL  
- ASTM A-123 HOT DIPPED GALVANIZED

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

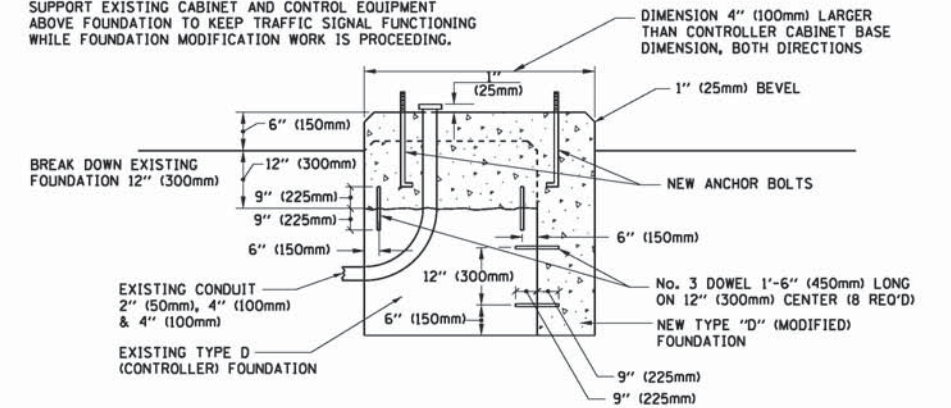
**SHROUD**

**NOTES:**

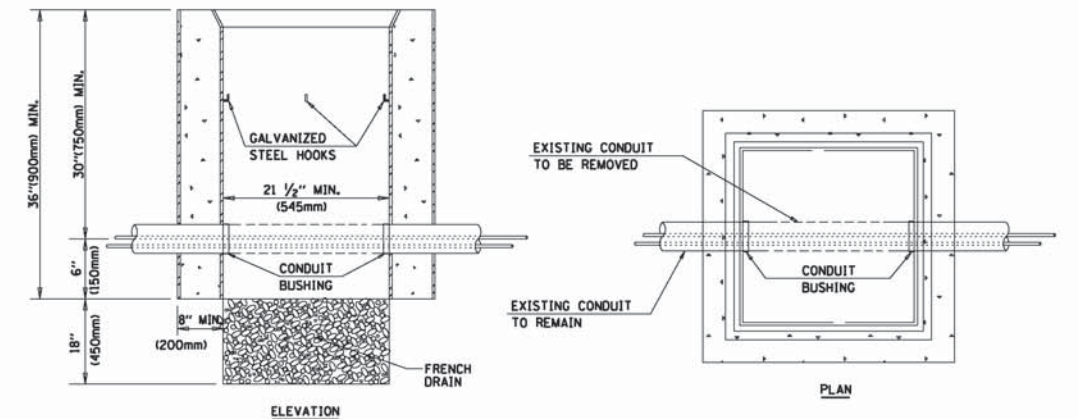
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

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



**MODIFY EXISTING TYPE "D" FOUNDATION**



**NOTES:**

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

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

|  |                             |                 |                      |
|--|-----------------------------|-----------------|----------------------|
| FILE NAME =                                  | USER NAME = footemj         | DESIGNED - DAD  | REVISED - DAG 1-1-14 |
| ct:\pw_work\pwwork\footemj\d0108315\ts05.dgn |                             | DRAWN - BCK     | REVISED -            |
|  | PLOT SCALE = 50.0000' / in. | CHECKED - DAD   | REVISED -            |
|  | PLOT DATE = 1/13/2014       | DATE - 10-28-09 | REVISED -            |

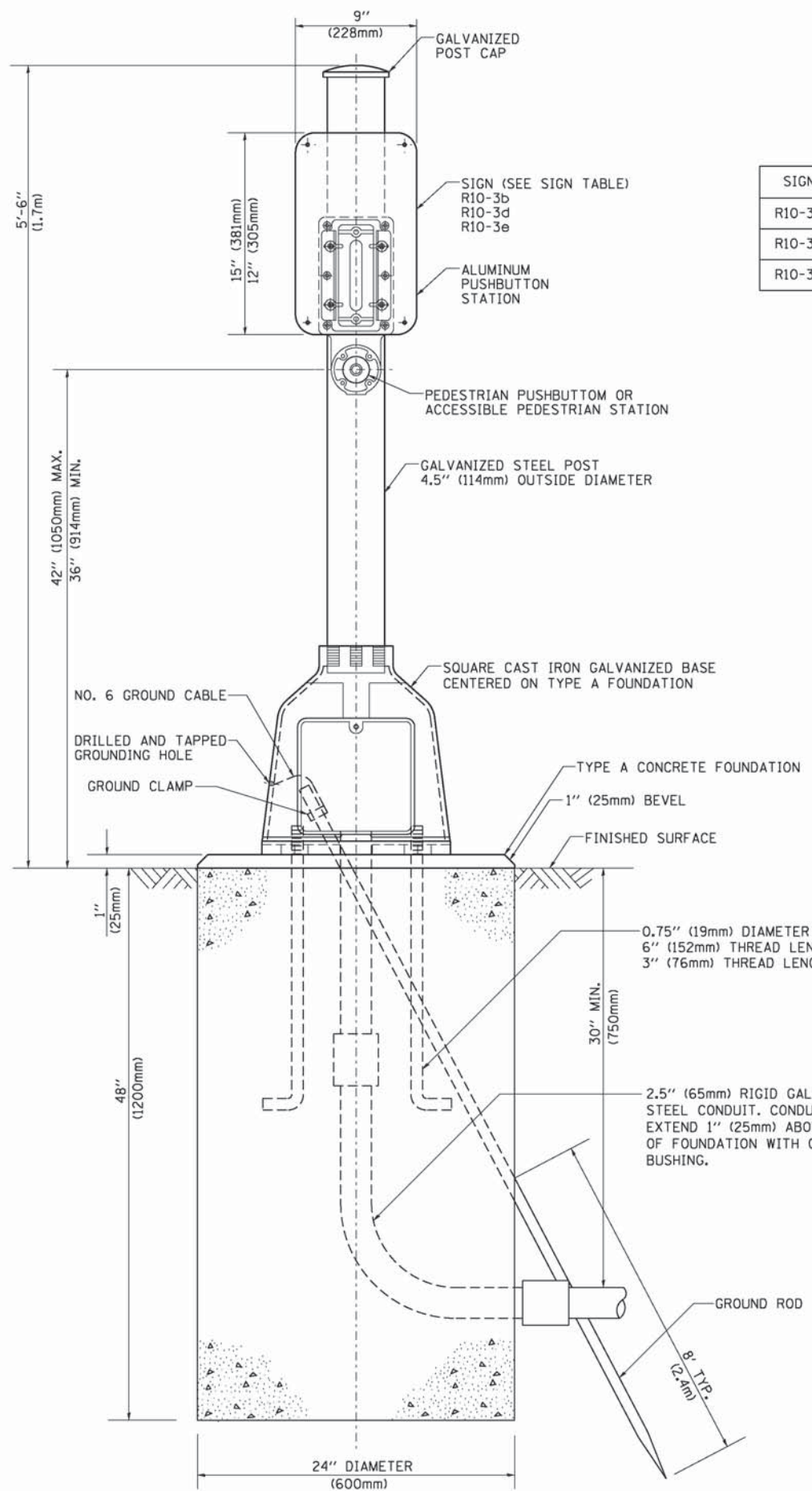
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

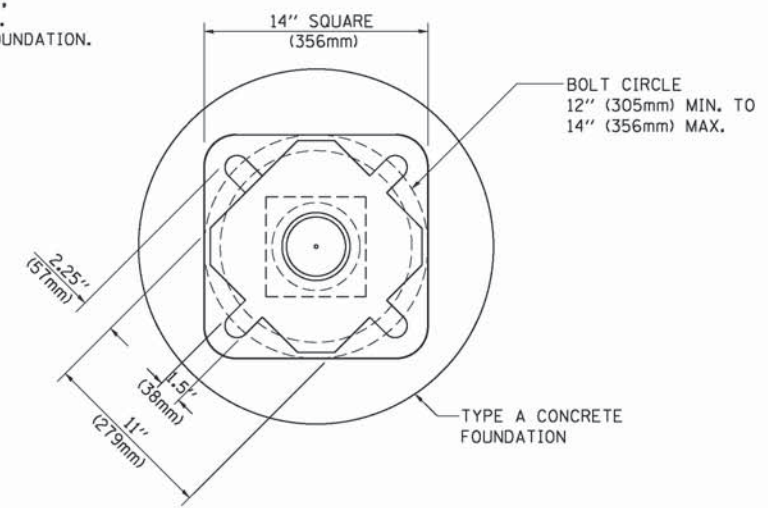
|   |         |                    |              |           |
|---|---------|--------------------|--------------|-----------|
| F.A.P. RTE.                                     | SECTION | COUNTY             | TOTAL SHEETS | SHEET NO. |
| 339   | 116R-N  | COOK               | 69           | 41        |
| <b>TS-05</b>                                    |         | CONTRACT NO. 60X88 |              |           |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |         |                    |              |           |

TS SHT NO. 7



**SIGN TABLE**

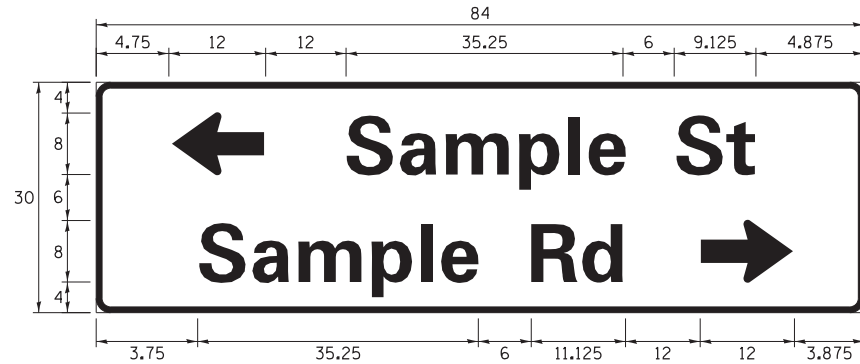
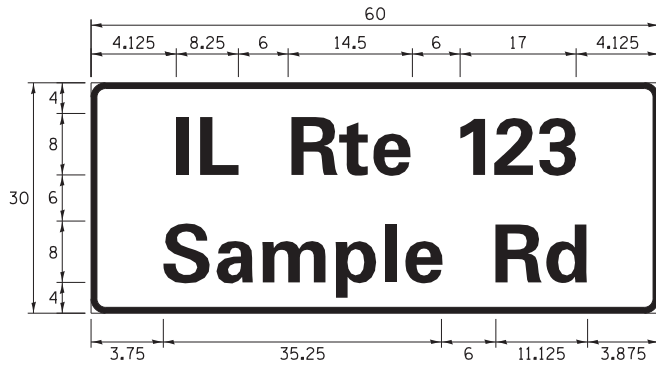
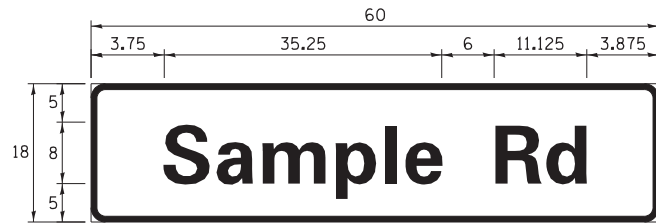
| SIGN   | DIMENSIONS               |
|--------|--------------------------|
| R10-3b | 9" (228mm) X 12" (305mm) |
| R10-3d | 9" (228mm) X 12" (305mm) |
| R10-3e | 9" (228mm) X 15" (381mm) |



**BOLT PATTERN**  
**PEDESTRIAN PUSH BUTTON POST, TYPE A**

|  |                            |                  |                      |   |  |                         |      |                       |                           |                |                           |                 |
|--|----------------------------|------------------|----------------------|---|--|-------------------------|------|-----------------------|---------------------------|----------------|---------------------------|-----------------|
| FILE NAME =                                  | USER NAME = footemj        | DESIGNED - DAG   | REVISED - DAG 1-1-14 | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>DISTRICT ONE<br/>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b> |                         |      | F.A.P.<br>RTE.<br>339 | SECTION<br>116R-N         | COUNTY<br>COOK | TOTAL SHEETS<br>69        | SHEET NO.<br>42 |
| ct:\pw_work\pwsdot\footemj\d0108315\ts05.dgn | PLOT SCALE = 50.0000' / 1" | DRAWN - GND      | REVISED -            |   | SCALE: NONE  | SHEET NO. 7 OF 7 SHEETS | STA. | TO STA.               | <b>TS-05</b>              |                | CONTRACT NO. 60X88        |                 |
|  | PLOT DATE = 1/13/2014      | CHECKED - DAD    | REVISED -            |   |  |                         |      |                       | FED. ROAD DIST. NO. 1     |                | ILLINOIS FED. AID PROJECT |                 |
|  |                            | DATE - 10/1/2012 | REVISED -            |   |  |                         |      |                       | ILLINOIS FED. AID PROJECT |                |                           |                 |

**SIGN PANEL – TYPE 1 OR TYPE 2**



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

**COMMON STREET NAME ABBREVIATIONS AND WIDTHS**

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

**GENERAL NOTES**

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

**LOCAL SUPPLIERS:**

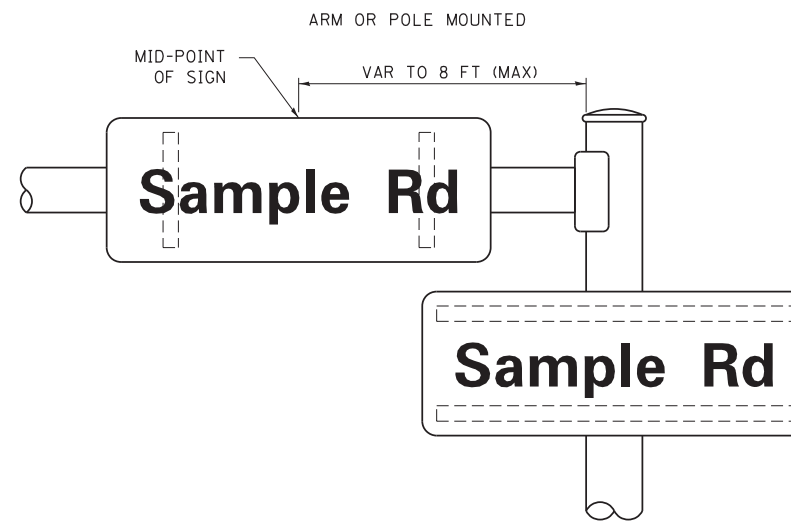
- J.O. HERBERT COMPANY, INC  
MIDLOTHIAN, VA
- WESTERN REMAC, INC.  
WOODRIDGE, IL

**PARTS LISTING:**

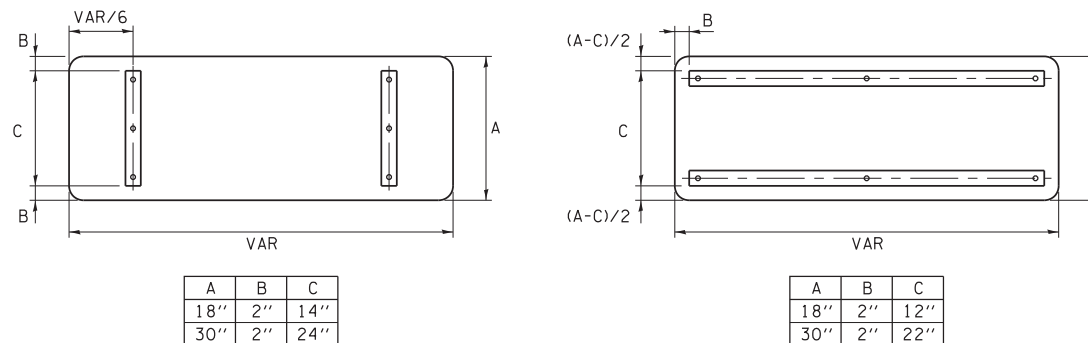
- SIGN CHANNEL PART \*HPN053 (MED. CHANNEL)  
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3  
SELF TAPPING WITH NEOPRENE WASHER  
PART \*HPN034 (UNIVERSAL)  
BRACKETS CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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

**MOUNTING LOCATION**



**SUPPORTING CHANNELS**



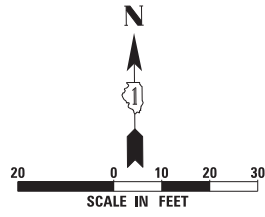
**STANDARD ALPHABETS SPACING CHART**

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

| FHWA SERIES "C" |                      |               |                       | FHWA SERIES "D" |                      |               |                       |
|-----------------|----------------------|---------------|-----------------------|-----------------|----------------------|---------------|-----------------------|
| CHARACTER       | LEFT SPACING ( INCH) | WIDTH ( INCH) | RIGHT SPACING ( INCH) | CHARACTER       | LEFT SPACING ( INCH) | WIDTH ( INCH) | RIGHT SPACING ( INCH) |
| A               | 0.240                | 5.122         | 0.240                 | A               | 0.240                | 6.804         | 0.240                 |
| B               | 0.880                | 4.482         | 0.480                 | B               | 0.960                | 5.446         | 0.400                 |
| C               | 0.720                | 4.482         | 0.720                 | C               | 0.800                | 5.446         | 0.800                 |
| D               | 0.880                | 4.482         | 0.720                 | D               | 0.960                | 5.446         | 0.800                 |
| E               | 0.880                | 4.082         | 0.480                 | E               | 0.960                | 4.962         | 0.400                 |
| F               | 0.880                | 4.082         | 0.240                 | F               | 0.960                | 4.962         | 0.240                 |
| G               | 0.720                | 4.482         | 0.720                 | G               | 0.800                | 5.446         | 0.800                 |
| H               | 0.880                | 4.482         | 0.880                 | H               | 0.960                | 5.446         | 0.960                 |
| I               | 0.880                | 1.120         | 0.880                 | I               | 0.960                | 1.280         | 0.960                 |
| J               | 0.240                | 4.082         | 0.880                 | J               | 0.240                | 5.122         | 0.960                 |
| K               | 0.880                | 4.482         | 0.480                 | K               | 0.960                | 5.604         | 0.400                 |
| L               | 0.880                | 4.082         | 0.240                 | L               | 0.960                | 4.962         | 0.240                 |
| M               | 0.880                | 5.284         | 0.880                 | M               | 0.960                | 6.244         | 0.960                 |
| N               | 0.880                | 4.482         | 0.880                 | N               | 0.960                | 5.446         | 0.960                 |
| O               | 0.720                | 4.722         | 0.720                 | O               | 0.800                | 5.684         | 0.800                 |
| P               | 0.880                | 4.482         | 0.720                 | P               | 0.960                | 5.446         | 0.240                 |
| Q               | 0.720                | 4.722         | 0.720                 | Q               | 0.800                | 5.684         | 0.800                 |
| R               | 0.880                | 4.482         | 0.480                 | R               | 0.960                | 5.446         | 0.400                 |
| S               | 0.480                | 4.482         | 0.480                 | S               | 0.400                | 5.446         | 0.400                 |
| T               | 0.240                | 4.082         | 0.240                 | T               | 0.240                | 4.962         | 0.240                 |
| U               | 0.880                | 4.482         | 0.880                 | U               | 0.960                | 5.446         | 0.960                 |
| V               | 0.240                | 4.962         | 0.240                 | V               | 0.240                | 6.084         | 0.240                 |
| W               | 0.240                | 6.084         | 0.240                 | W               | 0.240                | 7.124         | 0.240                 |
| X               | 0.240                | 4.722         | 0.240                 | X               | 0.400                | 5.446         | 0.400                 |
| Y               | 0.240                | 5.122         | 0.240                 | Y               | 0.240                | 6.884         | 0.240                 |
| Z               | 0.480                | 4.482         | 0.480                 | Z               | 0.400                | 5.446         | 0.400                 |
| a               | 0.320                | 3.842         | 0.640                 | a               | 0.400                | 4.562         | 0.720                 |
| b               | 0.720                | 4.082         | 0.480                 | b               | 0.800                | 4.802         | 0.480                 |
| c               | 0.480                | 4.002         | 0.240                 | c               | 0.480                | 4.722         | 0.240                 |
| d               | 0.480                | 4.082         | 0.720                 | d               | 0.480                | 4.802         | 0.800                 |
| e               | 0.480                | 4.082         | 0.320                 | e               | 0.480                | 4.722         | 0.320                 |
| f               | 0.320                | 2.480         | 0.160                 | f               | 0.320                | 2.882         | 0.160                 |
| g               | 0.480                | 4.082         | 0.720                 | g               | 0.480                | 4.802         | 0.800                 |
| h               | 0.720                | 4.082         | 0.640                 | h               | 0.800                | 4.722         | 0.720                 |
| i               | 0.720                | 1.120         | 0.720                 | i               | 0.800                | 1.280         | 0.800                 |
| j               | 0.000                | 2.320         | 0.720                 | j               | 0.000                | 2.642         | 0.800                 |
| k               | 0.720                | 4.322         | 0.160                 | k               | 0.800                | 5.122         | 0.160                 |
| l               | 0.720                | 1.120         | 0.720                 | l               | 0.800                | 1.280         | 0.800                 |
| m               | 0.720                | 6.724         | 0.640                 | m               | 0.800                | 7.926         | 0.720                 |
| n               | 0.720                | 4.082         | 0.640                 | n               | 0.800                | 4.722         | 0.720                 |
| o               | 0.480                | 4.082         | 0.480                 | o               | 0.480                | 4.882         | 0.480                 |
| p               | 0.720                | 4.082         | 0.480                 | p               | 0.800                | 4.802         | 0.480                 |
| q               | 0.480                | 4.082         | 0.720                 | q               | 0.480                | 4.802         | 0.800                 |
| r               | 0.720                | 2.642         | 0.160                 | r               | 0.800                | 3.042         | 0.160                 |
| s               | 0.320                | 3.362         | 0.240                 | s               | 0.320                | 3.762         | 0.240                 |
| t               | 0.080                | 2.882         | 0.080                 | t               | 0.080                | 3.202         | 0.080                 |
| u               | 0.640                | 4.082         | 0.720                 | u               | 0.720                | 4.722         | 0.800                 |
| v               | 0.160                | 4.722         | 0.160                 | v               | 0.160                | 5.684         | 0.160                 |
| w               | 0.160                | 7.524         | 0.160                 | w               | 0.160                | 9.046         | 0.160                 |
| x               | 0.000                | 5.202         | 0.000                 | x               | 0.000                | 6.244         | 0.000                 |
| y               | 0.160                | 4.962         | 0.160                 | y               | 0.160                | 6.004         | 0.160                 |
| z               | 0.240                | 3.362         | 0.240                 | z               | 0.240                | 4.002         | 0.240                 |
| 1               | 0.720                | 1.680         | 0.880                 | 1               | 0.800                | 2.000         | 0.960                 |
| 2               | 0.480                | 4.482         | 0.480                 | 2               | 0.800                | 5.446         | 0.800                 |
| 3               | 0.480                | 4.482         | 0.480                 | 3               | 1.440                | 5.446         | 0.800                 |
| 4               | 0.240                | 4.962         | 0.720                 | 4               | 0.160                | 6.004         | 0.960                 |
| 5               | 0.480                | 4.482         | 0.480                 | 5               | 0.800                | 5.446         | 0.800                 |
| 6               | 0.720                | 4.482         | 0.720                 | 6               | 0.800                | 5.446         | 0.800                 |
| 7               | 0.240                | 4.482         | 0.720                 | 7               | 0.560                | 5.446         | 0.560                 |
| 8               | 0.480                | 4.482         | 0.480                 | 8               | 0.800                | 5.446         | 0.800                 |
| 9               | 0.480                | 4.482         | 0.480                 | 9               | 0.800                | 5.446         | 0.800                 |
| 0               | 0.720                | 4.722         | 0.720                 | 0               | 0.800                | 5.684         | 0.800                 |
| -               | 0.240                | 2.802         | 0.240                 | -               | 0.240                | 2.802         | 0.240                 |

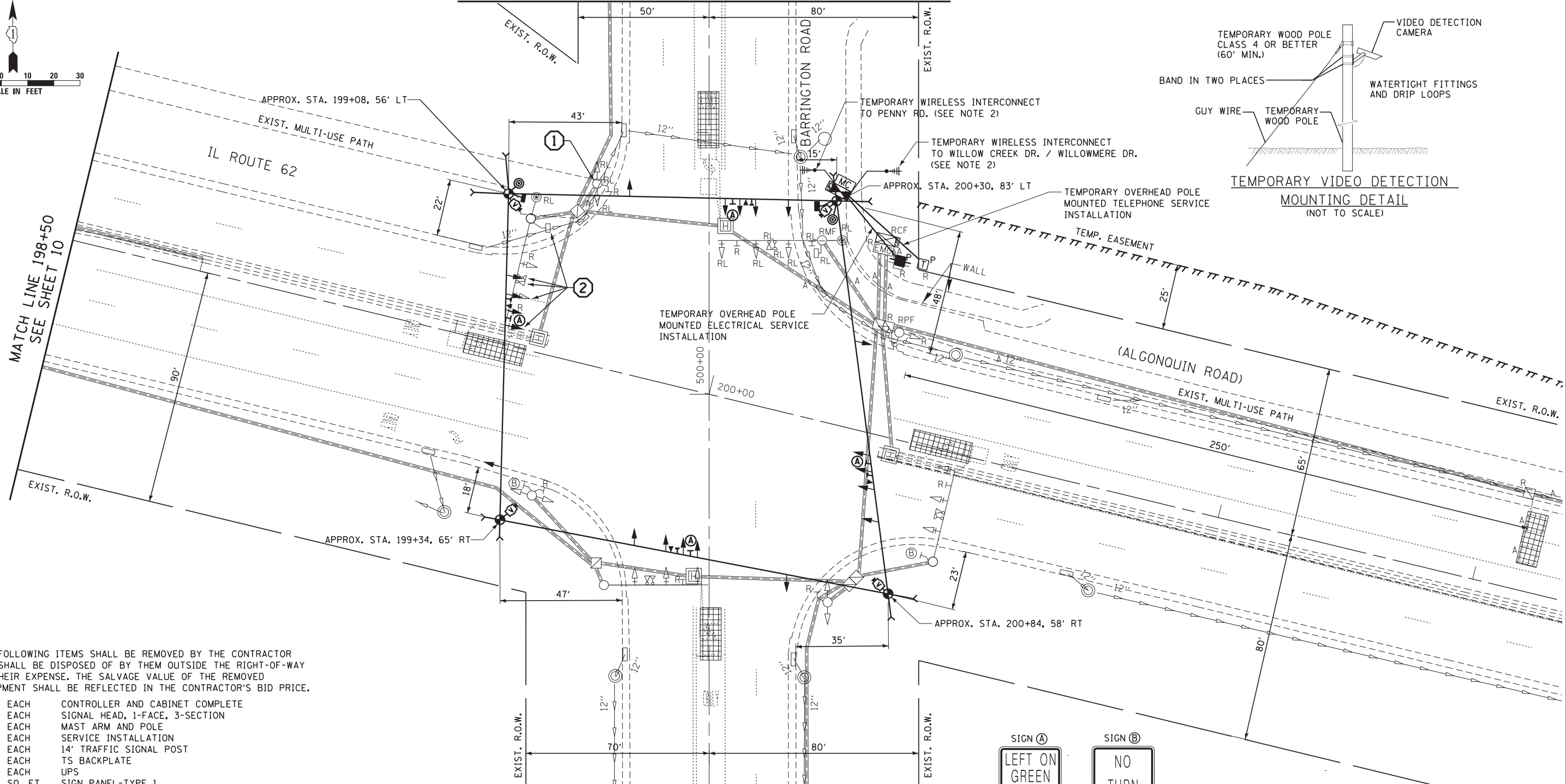
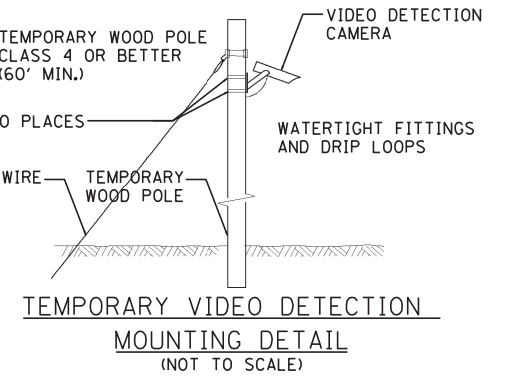
TS SHT NO. 8

|             |                                 |                   |           |   |  |              |                     |                           |                           |           |  |
|-------------|---------------------------------|-------------------|-----------|---|--|--------------|---------------------|---------------------------|---------------------------|-----------|--|
| FILE NAME = | USER NAME = pocitech1           | DESIGNED - LP/IP  | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>DISTRICT ONE<br/>MAST ARM MOUNTED STREET NAME SIGNS</b> | F.A. RTE.    | SECTION             | COUNTY                    | TOTAL SHEETS              | SHEET NO. |  |
| Default     | Materials\CADD\Details\ts02.dgn | DRAWN - LP        | REVISED - |   |  | 339          | 116R-N              | COOK                      | 69                        | 43        |  |
|             | PLOT SCALE = 50.0000 ' / in.    | CHECKED - IP      | REVISED - |   |  | <b>TS-02</b> |                     | <b>CONTRACT NO. 60X88</b> |                           |           |  |
|             | PLOT DATE = 9/22/2014           | DATE - 10/01/2014 | REVISED - |   |  | SCALE:       | SHEET 1 OF 1 SHEETS | STA. TO STA.              | ILLINOIS FED. AID PROJECT |           |  |



MATCH LINE 198+50  
SEE SHEET 10

MATCH LINE 501+50  
SEE SHEET 10



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 CONTRACTOR'S BID PRICE.

- 1 EACH CONTROLLER AND CABINET COMPLETE
- 2 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 1 EACH MAST ARM AND POLE
- 1 EACH SERVICE INSTALLATION
- 1 EACH 14' TRAFFIC SIGNAL POST
- 1 EACH TS BACKPLATE
- 1 EACH UPS
- 40 SO. FT. SIGN PANEL-TYPE 1

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL INSTALLATION. THE CONTRACTOR SHALL MAKE ALL NECESSARY CONNECTIONS TO ENSURE PROPER OPERATION OF THE RELOCATED EQUIPMENT.

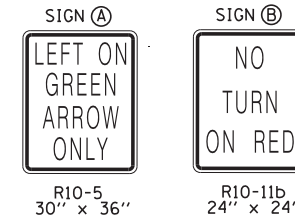
- 1 EACH CONFIRMATION BEACON
- 1 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER
- 6 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 1 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 2 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH 14' TRAFFIC SIGNAL POST
- 15 SO. FT. SIGN PANEL-TYPE 2

**CONSTRUCTION NOTES:**

- ① REMOVE EXISTING CONCRETE FOUNDATION.
- ② CONTRACTOR SHALL REMOVE EXISTING CABLE, STORE IT AT THE NORTHWEST HANDHOLE AND REINSTALL IT AT THE NEW CABINET.
- ③ ALL OTHER CABLES ARE TO BE REMOVED.

**NOTES**

- 1. CONTRACTOR SHOULD FOLLOW "SIDEWALK GUY DETAIL" AS INDICATED ON HWY STD 880001-01
- 2. CONTRACTOR SHALL PROVIDE EXTENSION ARMS TO THE ANTENNA IF THE SIGNAL IS NOT OBTAINED DUE TO A LACK OF CLEAR SIGHT TO THE ADJACENT INTERSECTION.



THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS SHT NO. 9

|   |                    |                  |             |
|---|--------------------|------------------|-------------|
| FILE NAME =   | USER NAME = .USER. | DESIGNED - V.O.  | REVISED - - |
| J:\13155\60X88\VDGN\CADD Sheets\60X88-sh-01 Temp Sig & Removal Plan.dgn |                    | DRAWN - E.C.     | REVISED - - |
| PLOT SCALE = 20.0000' / in.   |                    | CHECKED - I.Y.   | REVISED - - |
| PLOT DATE = 4/21/2015   |                    | DATE - 1/23/2015 | REVISED - - |

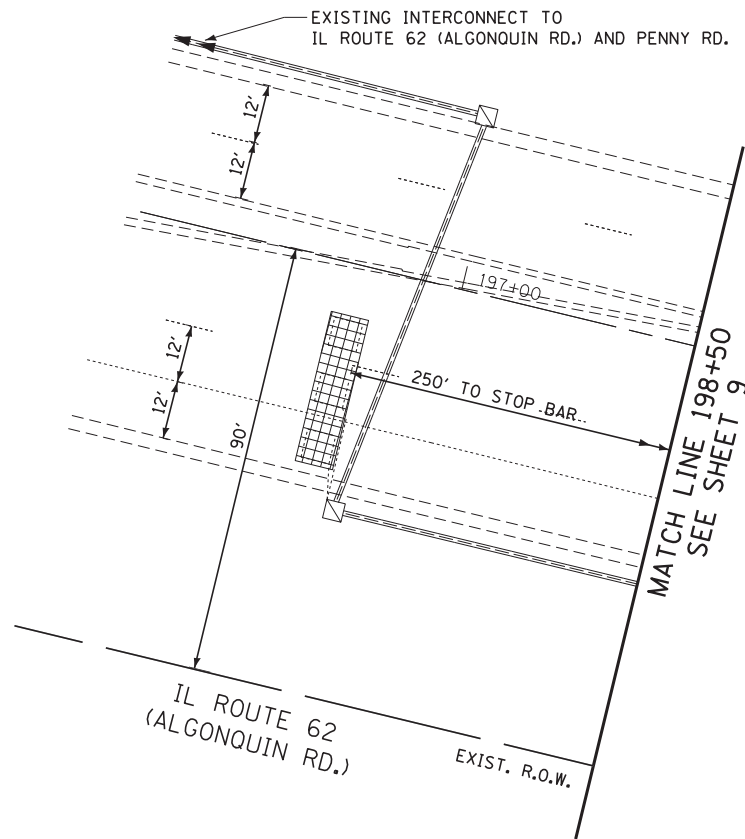
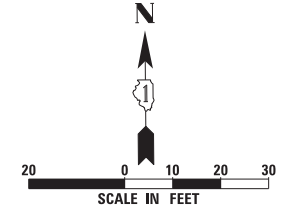
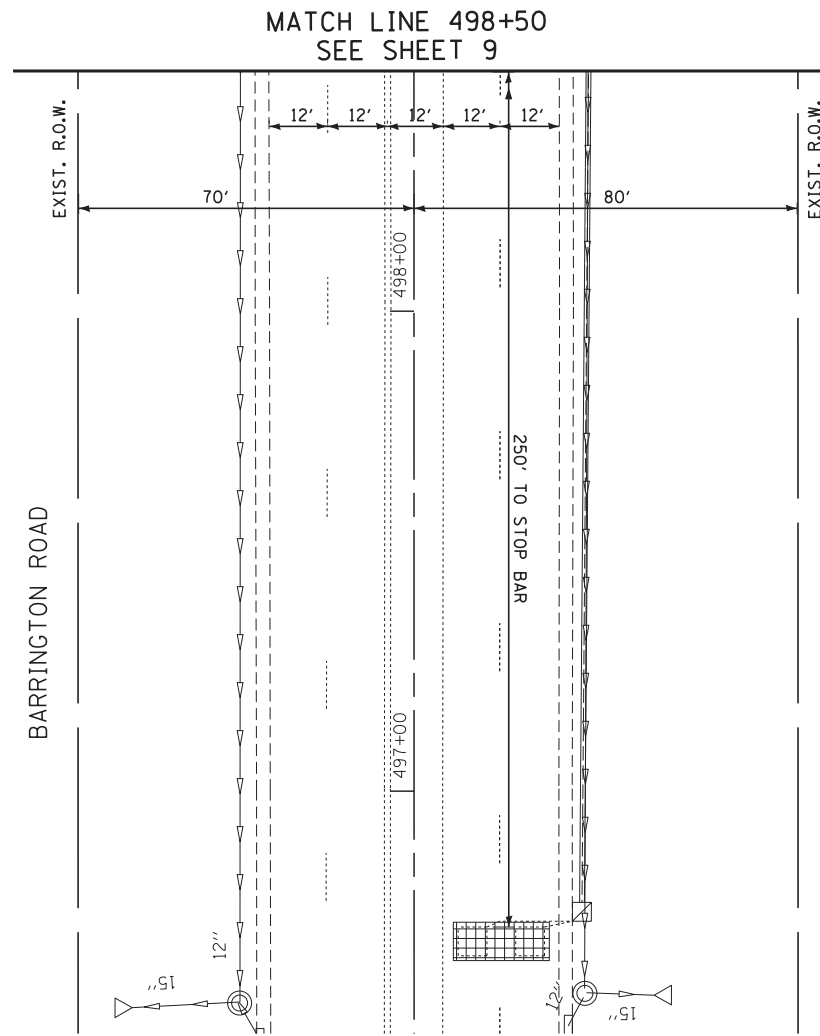
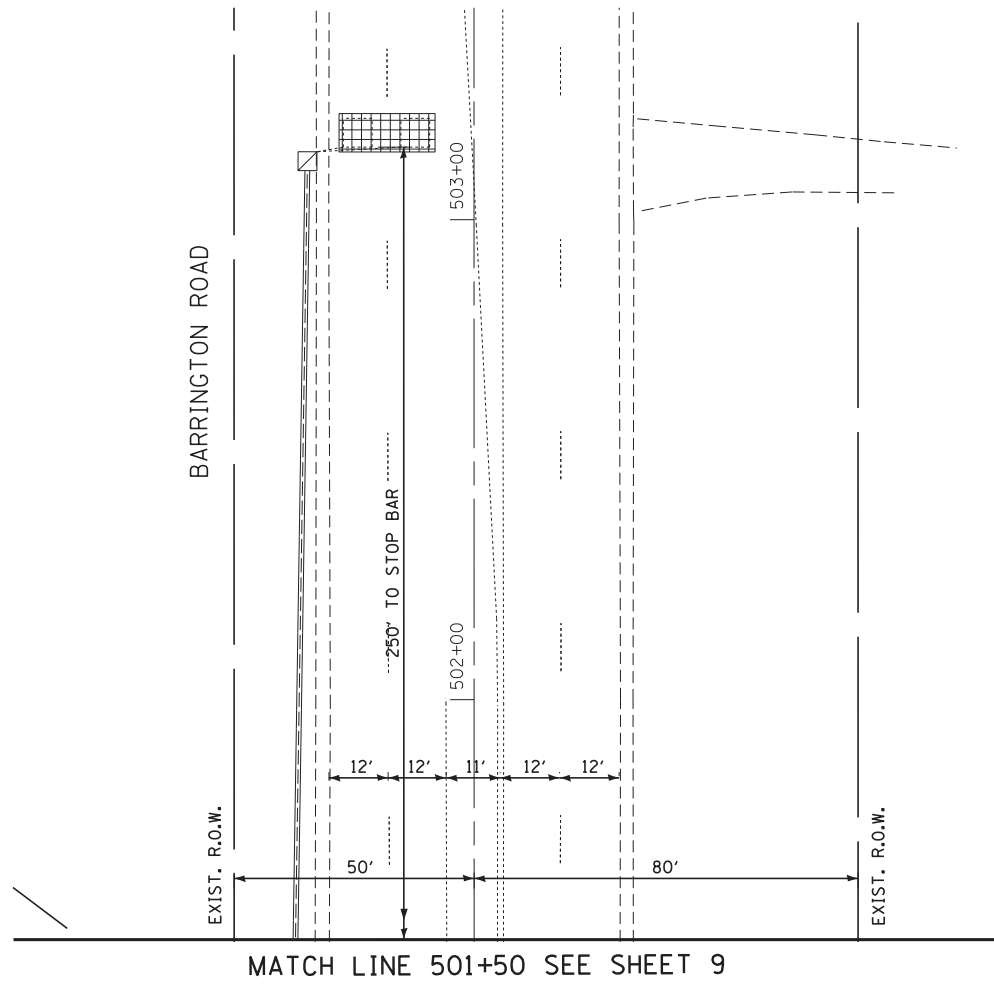
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN  
IL ROUTE 62 (ALGONQUIN ROAD) AT BARRINGTON ROAD

SCALE: 1"=20' SHEET NO. 1 OF 2 SHEETS STA. N/A TO STA. N/A

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 339                       | 116R-N  | COOK   | 69           | 44        |
| CONTRACT NO. 60X88        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

TS 2940



THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

|  |                       |                  |             |
|--|-----------------------|------------------|-------------|
| FILE NAME = J:\13155\60X88\DCN\CADD Sheets\60X88-sh-02 Temp Sig & Removal Plan 2.dgn | USER NAME = _USER_    | DESIGNED - V.O.  | REVISED - - |
| PLOT SCALE = 20.0000' / in.  | PLOT DATE = 4/21/2015 | DRAWN - E.C.     | REVISED - - |
|  |                       | CHECKED - I.Y.   | REVISED - - |
|  |                       | DATE - 1/23/2015 | REVISED - - |

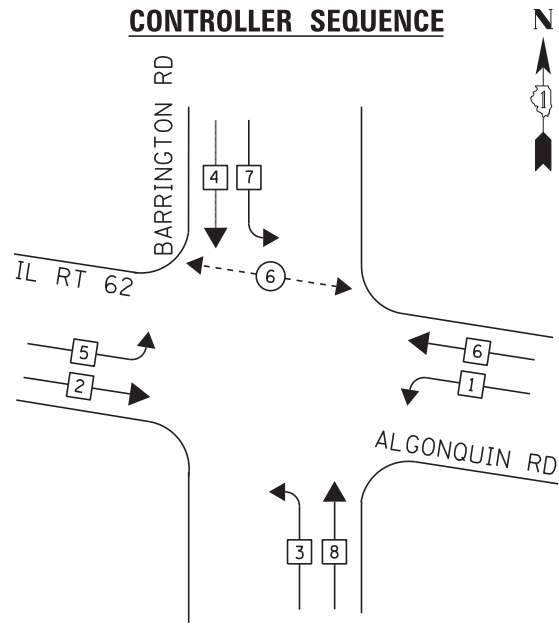
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN  
IL ROUTE 62 (ALGONQUIN ROAD) AT BARRINGTON ROAD PRE-STAGE**

SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. N/A TO STA. N/A

|                           |                |             |                 |              |
|---------------------------|----------------|-------------|-----------------|--------------|
| F.A.P. RTE. 339           | SECTION 116R-N | COUNTY COOK | TOTAL SHEETS 69 | SHEET NO. 45 |
| CONTRACT NO. 60X88        |                |             |                 |              |
| ILLINOIS FED. AID PROJECT |                |             |                 |              |

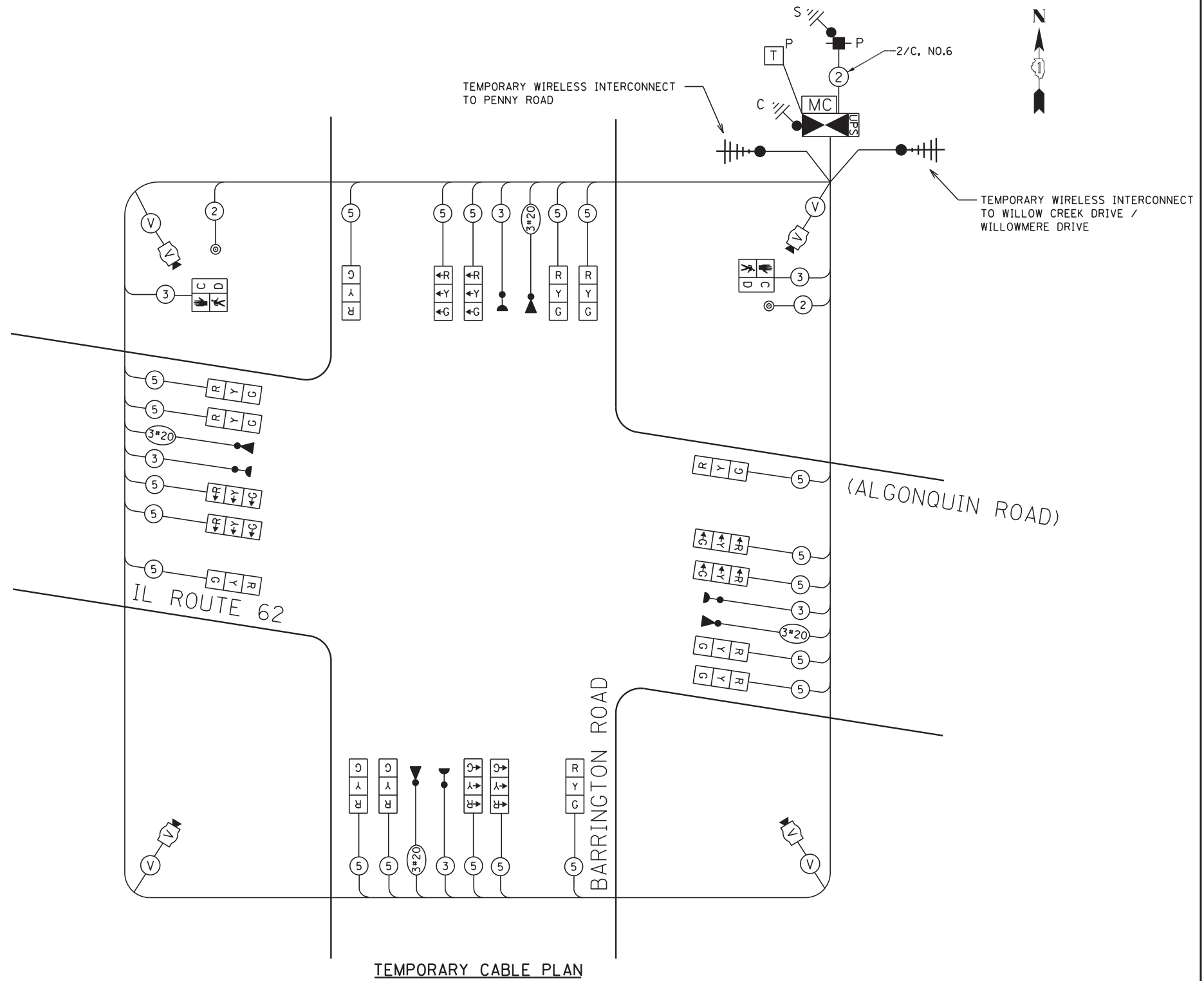
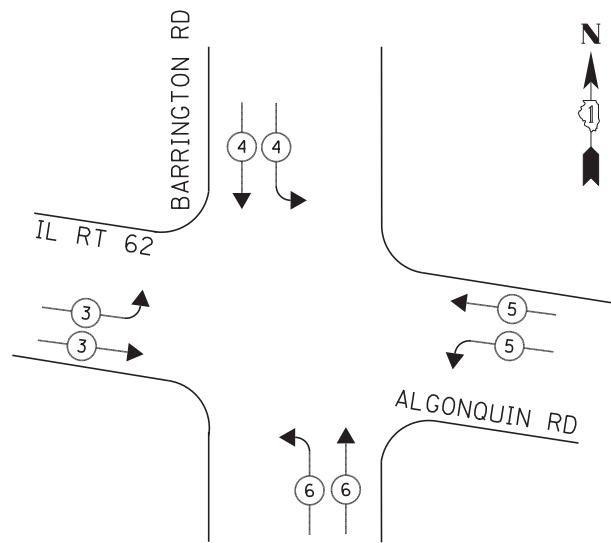
**CONTROLLER SEQUENCE**



**LEGEND**

- ◉ DUAL ENTRY PHASE
- ◻ SINGLE ENTRY PHASE
- ◊ O.L. OVERLAP
- ◉ PEDESTRIAN PHASE  
NUMBER REFERS TO ASSOCIATED PHASE

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TEMPORARY CABLE PLAN**

| I.D.O.T.<br>TRAFFIC SIGNAL INSTALLATION<br>ELECTRICAL SERVICE REQUIREMENTS   |          |         |     |            | TOTAL<br>WATTAGE |
|--|----------|---------|-----|------------|------------------|
| TYPE   | NO LAMPS | WATTAGE |     | %OPERATION |                  |
|  |          | INCAND. | LED |            |                  |
| SIGNAL (RED)   | 20       |         | 17  | 0.50       | 170.00           |
| (YELLOW)   | 20       |         | 25  | 0.25       | 125.00           |
| (GREEN)  | 20       |         | 15  | 0.25       | 75.00            |
| ARROW  | -        |         | 12  | 0.10       | -                |
| PED. SIGNAL  | 2        |         | 25  | 1.00       | 50.00            |
| CONTROLLER   | 1        |         | 100 | 1.00       | 100.00           |
| ILLUM. SIGN  | -        |         | 25  | 0.05       | -                |
| VIDEO SYSTEM   | 1        | 150     | -   | 1.00       | 150.00           |
| FLASHER  |          |         |     | -          |                  |
| ENERGY COSTS TO:<br>VILLAGE OF SOUTH BARRINGTON<br>30 S. BARRINGTON ROAD<br>SOUTH BARRINGTON, IL 60010<br>ENERGY SUPPLY CONTACT: SHONNA HAYES<br>PHONE: (630) 691-4393<br>COMPANY: COMMONWEALTH EDISON |          |         |     | TOTAL =    | 670.00           |

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS SHT NO. 11

TS 2940

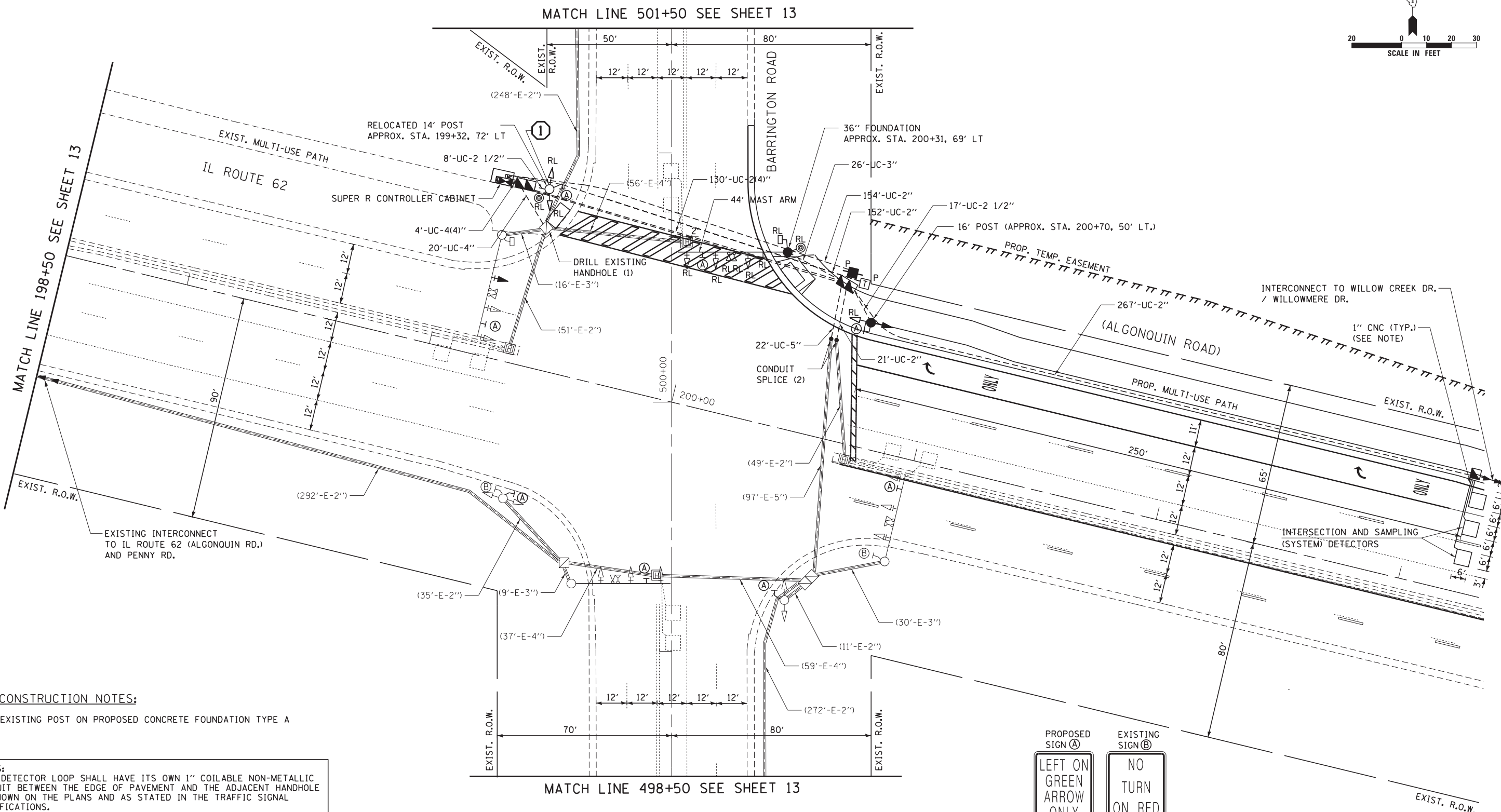
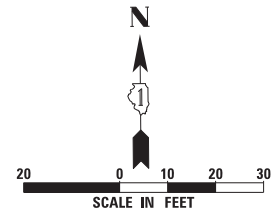
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|  |                    | CHECKED - I.Y.   | REVISED - |
|  |                    | DATE - 1/23/2015 | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND  
TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL ROUTE 62 (ALGONQUIN ROAD) AND BARRINGTON ROAD**

SCALE: NTS      SHEET NO. 1 OF 1 SHEETS      STA. N/A TO STA. N/A

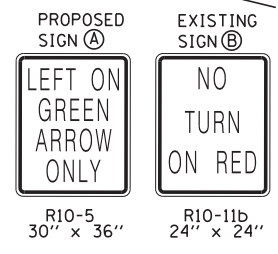
| F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 339                       | 116R-N  | COOK   | 69           | 46        |
| <b>CONTRACT NO. 60X88</b> |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



**CONSTRUCTION NOTES:**  
 ① EXISTING POST ON PROPOSED CONCRETE FOUNDATION TYPE A

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

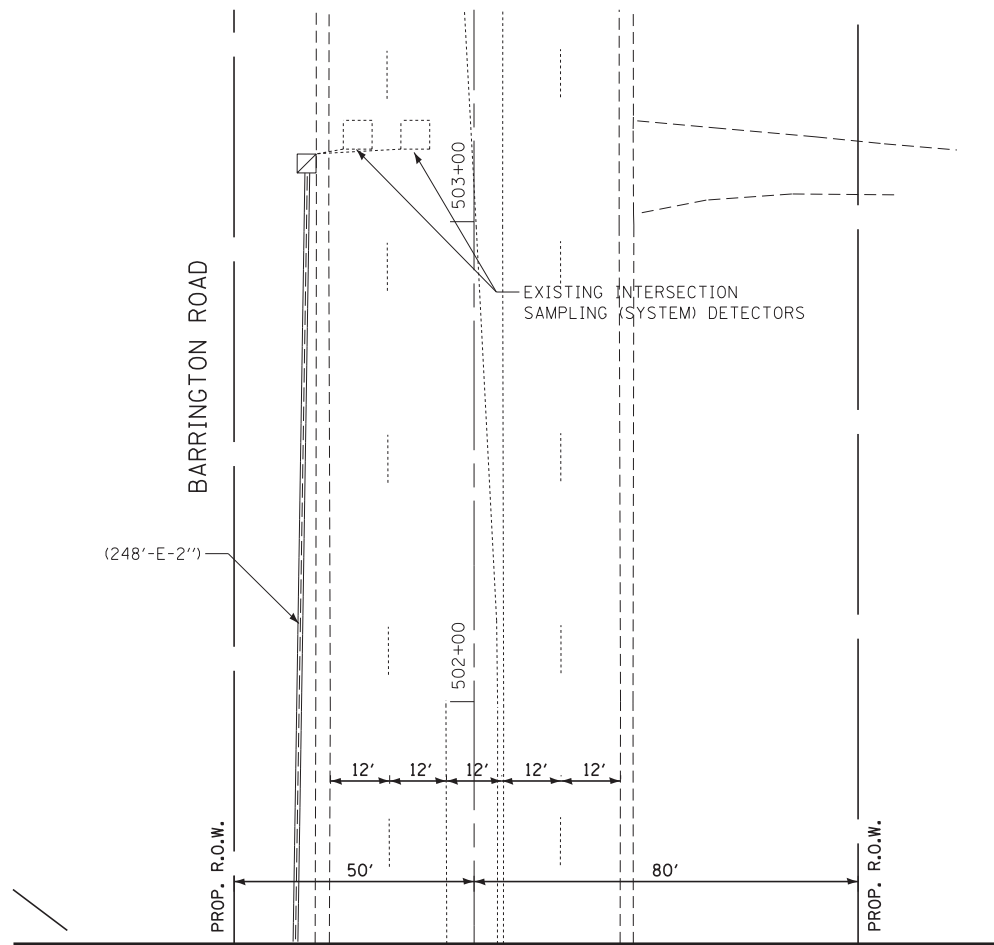
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



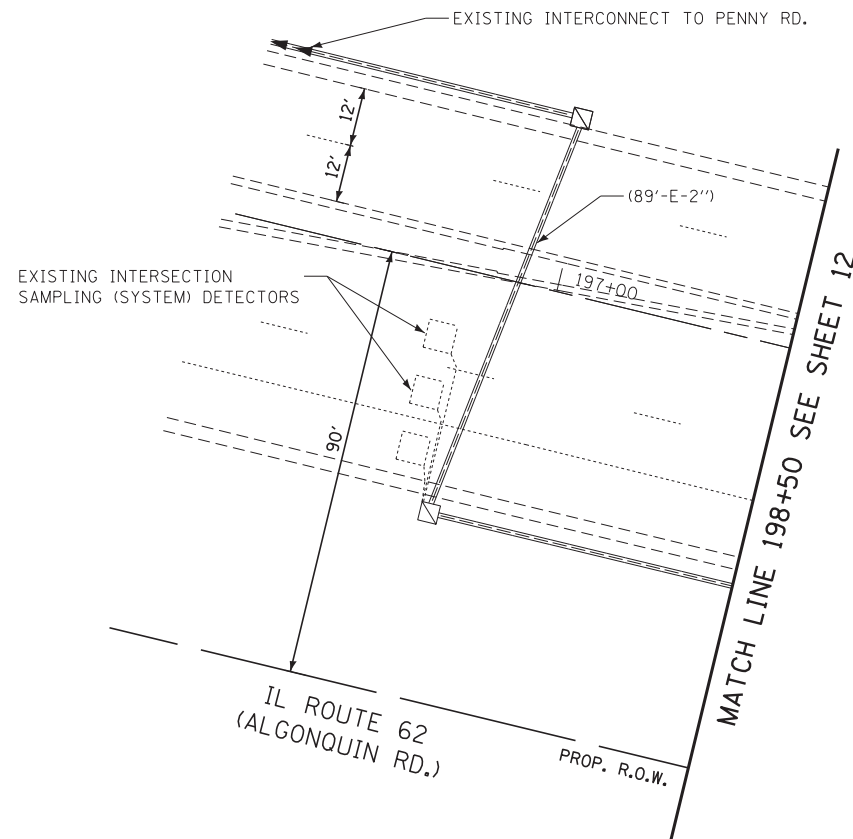
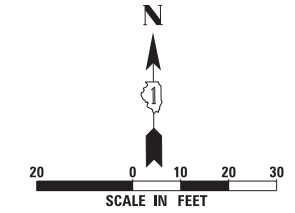
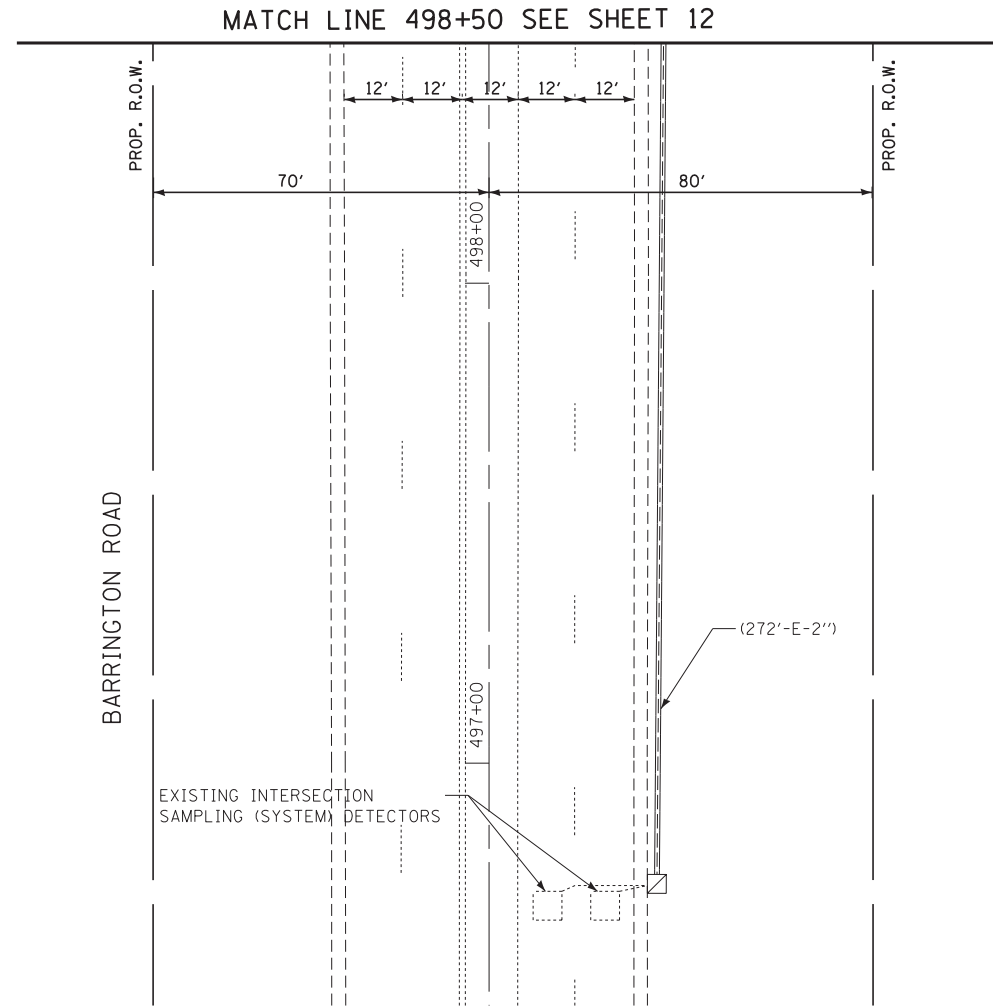
TS SHT NO. 12

TS 2940

|   |                    |                 |             |   |  |                           |                         |               |                   |                    |  |  |
|---|--------------------|-----------------|-------------|---|--|---------------------------|-------------------------|---------------|-------------------|--------------------|--|--|
| FILE NAME = J:\13155\60X88\DDN\CADD Sheets\60X88-sh-04-Modernization Plan.dgn | USER NAME = _USER_ | DESIGNED - V.O. | REVISED - - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>TRAFFIC SIGNAL MODERNIZATION PLAN<br/>IL ROUTE 62 (ALGONQUIN ROAD) AT BARRINGTON ROAD</b> | F.A.P. RTE. = 339         | SECTION = 116R-N        | COUNTY = COOK | TOTAL SHEETS = 69 | SHEET NO. = 47     |  |  |
| PLOT SCALE = 20.0000' / in.   | CHECKED - I.Y.     | REVISED - -     | REVISED - - |   |  | SCALE: 1"=20'             | SHEET NO. 1 OF 2 SHEETS | STA. N/A      | TO STA. N/A       | CONTRACT NO. 60X88 |  |  |
| PLOT DATE = 4/30/2015   | DATE = 1/23/2015   | REVISED - -     | REVISED - - |   |  | ILLINOIS FED. AID PROJECT |                         |               |                   |                    |  |  |



MATCH LINE 501+50 SEE SHEET 12



MATCH LINE 198+50 SEE SHEET 12

TS SHT NO. 13

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

TS 2940

|   |                             |                  |             |
|---|-----------------------------|------------------|-------------|
| FILE NAME =   | USER NAME = .USER.          | DESIGNED - V.O.  | REVISED - - |
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|   | PLOT SCALE = 20.0000' / in. | CHECKED - I.Y.   | REVISED - - |
|   | PLOT DATE = 4/21/2015       | DATE - 1/23/2015 | REVISED - - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

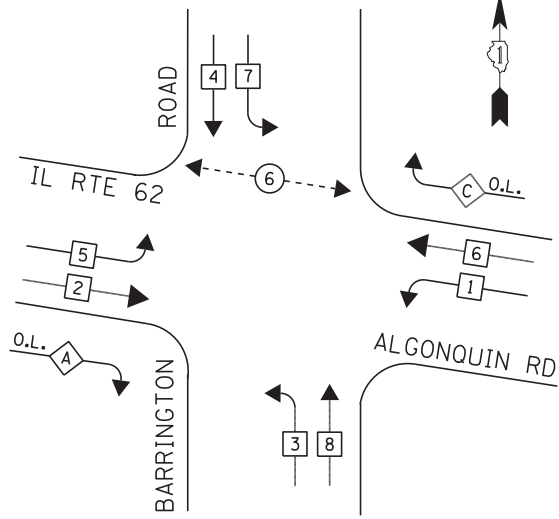
TRAFFIC SIGNAL MODERNIZATION PLAN  
IL ROUTE 62 (ALGONQUIN ROAD) AT BARRINGTON ROAD

SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. N/A TO STA. N/A

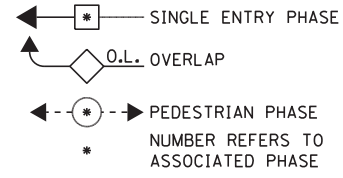
| F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 339                       | 116R-N  | COOK   | 69           | 48        |
| CONTRACT NO. 60X88        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



**CONTROLLER SEQUENCE**



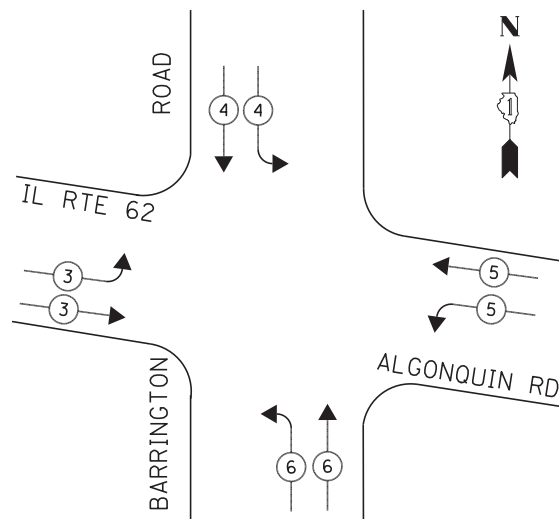
**LEGEND**



**PHASE DESIGNATION DIAGRAM**

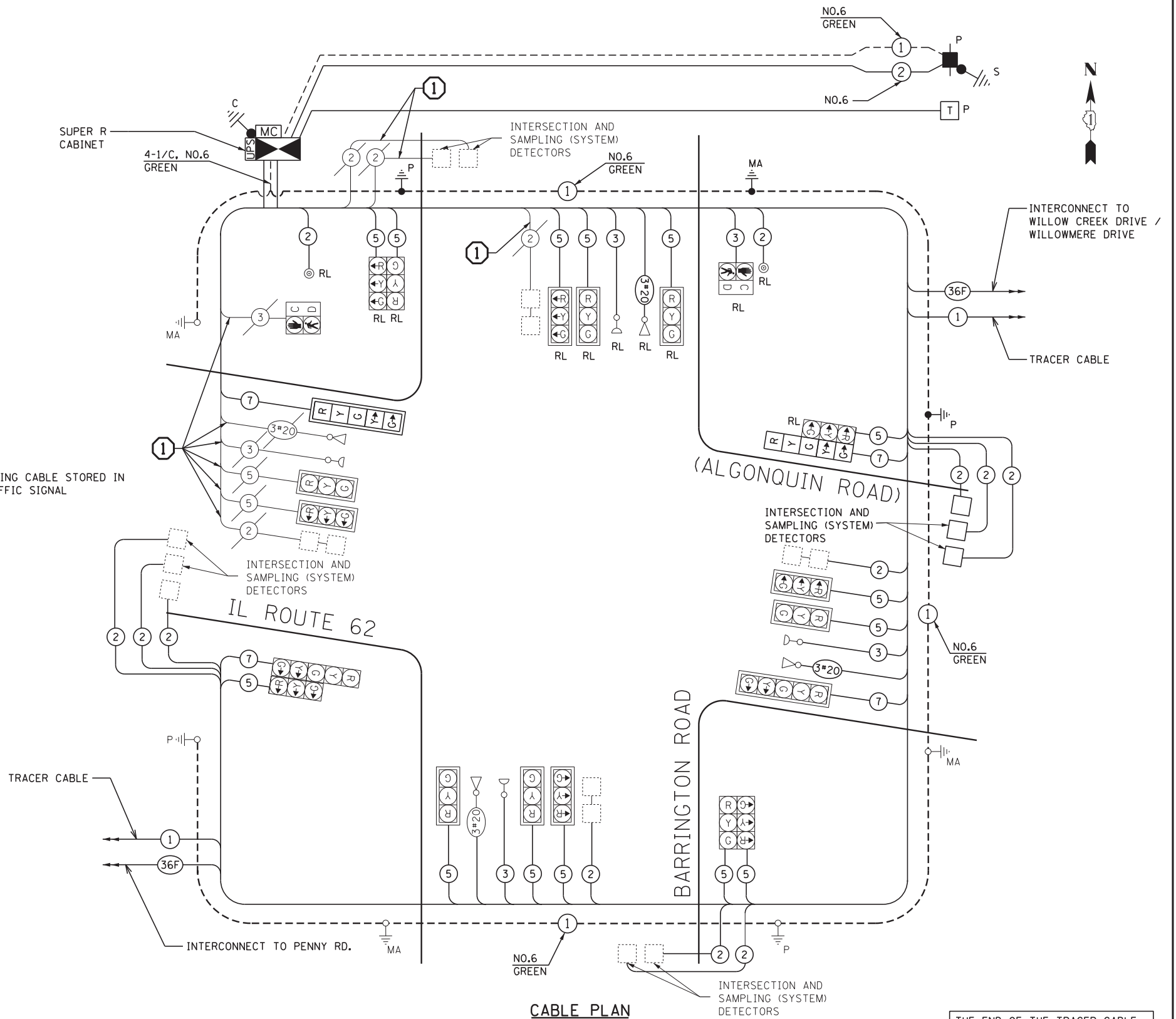
| OVERLAP LETTER | PERMISSIVE PHASE | PROTECTED PHASE |
|----------------|------------------|-----------------|
| A              | = 2              | + 3             |
| C              | = 6              | + 7             |

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**CONSTRUCTION NOTES:**

- 1 CONTRACTOR SHALL INSTALL THE EXISTING CABLE STORED IN THE NORTHWEST HANDHOLE TO THE TRAFFIC SIGNAL CONTROLLER.



**CABLE PLAN**

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS   |          |         |     |            | TOTAL WATTAGE  |
|--|----------|---------|-----|------------|----------------|
| TYPE   | NO LAMPS | WATTAGE |     | %OPERATION |                |
|  |          | INCAND. | LED |            |                |
| SIGNAL (RED)   | 20       |         | 17  | 0.50       | 170.00         |
| (YELLOW)   | 20       |         | 25  | 0.25       | 125.00         |
| (GREEN)  | 20       |         | 15  | 0.25       | 75.00          |
| ARROW  | 8        |         | 12  | 0.10       | 9.60           |
| PED. SIGNAL  | 2        |         | 25  | 1.00       | 50.00          |
| CONTROLLER   | 1        |         | 100 | 1.00       | 100.00         |
| UPS  | 1        |         | 25  | 1.00       | 25.00          |
| ILLUM. SIGN  | -        |         | 25  | 0.05       | -              |
| VIDEO SYSTEM   | -        |         | 150 | 1.00       | -              |
| FLASHER  |          |         |     |            |                |
| ENERGY COSTS TO:<br>VILLAGE OF SOUTH BARRINGTON<br>30 S. BARRINGTON ROAD<br>SOUTH BARRINGTON, IL 60010<br>ENERGY SUPPLY CONTACT: SHONNA HAYES<br>PHONE: (630) 691-4393<br>COMPANY: COMMONWEALTH EDISON |          |         |     |            | TOTAL = 554.60 |

TS SHT NO. 14

|  |                    |                  |           |
|--|--------------------|------------------|-----------|
| FILE NAME =  | USER NAME = .USER. | DESIGNED - V.O.  | REVISED - |
| J:\13155\60X88\DCN\CADD Sheets\60X88-sh-06-Modified Cable Plan.dgn |                    | DRAWN - E.C.     | REVISED - |
|  |                    | CHECKED - I.Y.   | REVISED - |
|  |                    | DATE - 1/23/2015 | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MODIFIED CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND  
EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL ROUTE 62 (ALGONQUIN ROAD) AT BARRINGTON ROAD**

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

|                           |                |             |                 |              |
|---------------------------|----------------|-------------|-----------------|--------------|
| F.A.P. RTE. 339           | SECTION 116R-N | COUNTY COOK | TOTAL SHEETS 69 | SHEET NO. 49 |
| CONTRACT NO. 60X88        |                |             |                 |              |
| ILLINOIS FED. AID PROJECT |                |             |                 |              |

TS 2940

**SCHEDULE OF QUANTITIES**

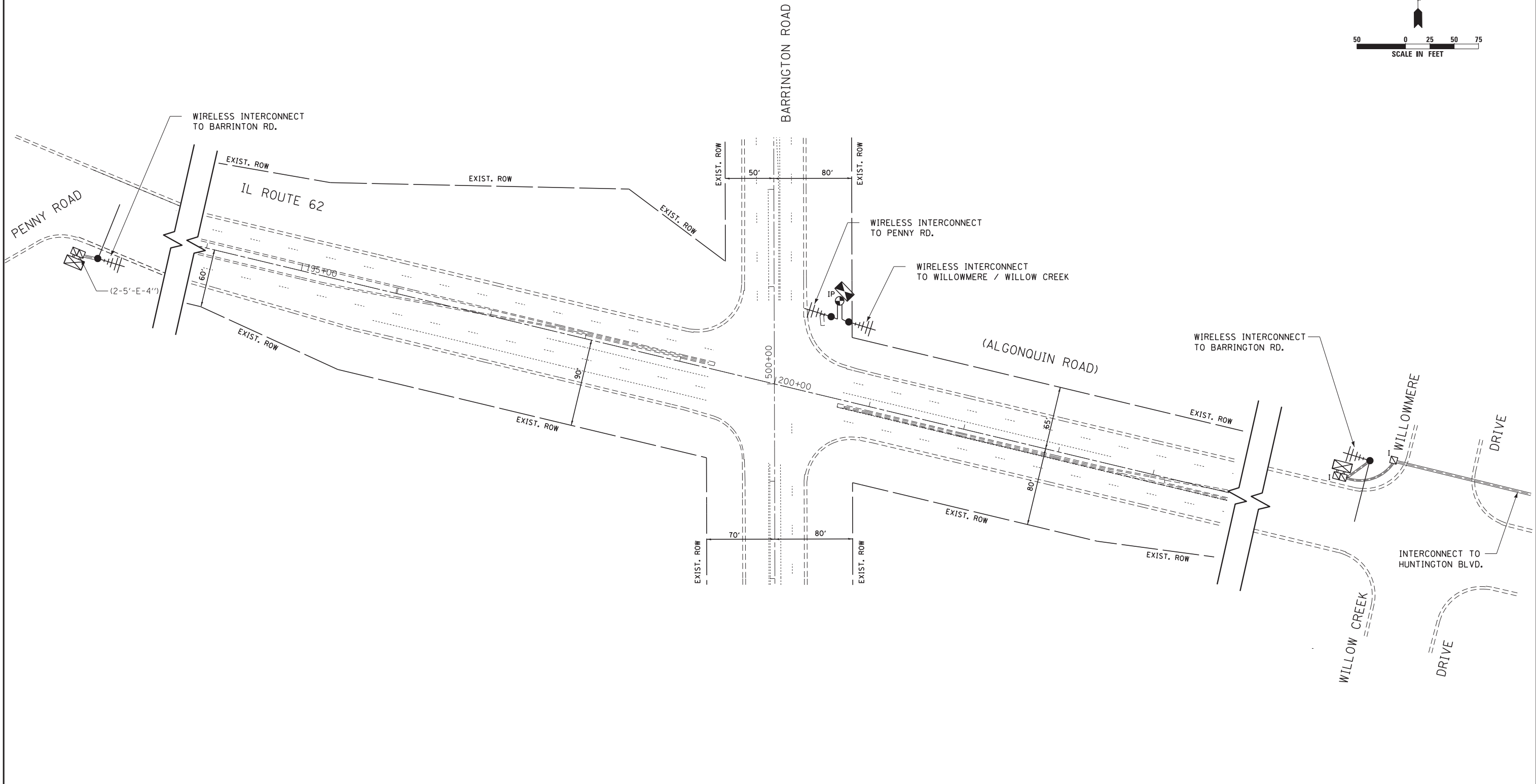
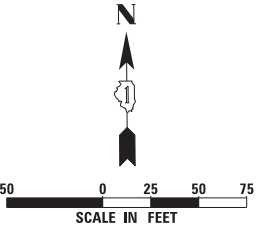
| QUANTITY | UNIT  | ITEM   |
|----------|-------|--|
| 60       | SO FT | SIGN PANEL - TYPE 1  |
| 40       | SO FT | REMOVE SIGN PANEL - TYPE 1   |
| 15       | SO FT | RELOCATE SIGN PANEL - TYPE 2                                       |
| 1        | EACH  | SERVICE INSTALLATION - POLE MOUNTED                                |
| 594      | FOOT  | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.                     |
| 25       | FOOT  | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.                 |
| 26       | FOOT  | UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.                     |
| 296      | FOOT  | UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.                     |
| 22       | FOOT  | UNDERGROUND CONDUIT, GALVANIZED STEEL, 5" DIA.                     |
| 1        | EACH  | HANDHOLE   |
| 2        | EACH  | DOUBLE HANDHOLE  |
| 242      | FOOT  | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C                        |
| 1279     | FOOT  | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C                        |
| 4267     | FOOT  | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C                        |
| 1127     | FOOT  | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C                        |
| 5179     | FOOT  | ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR                  |
| 187      | FOOT  | ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C                       |
| 638      | FOOT  | ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C |
| 1        | EACH  | TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.                       |
| 1        | EACH  | STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.                           |
| 8        | FOOT  | CONCRETE FOUNDATION, TYPE A  |
| 4        | FOOT  | CONCRETE FOUNDATION, TYPE C  |
| 13       | FOOT  | CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER                       |
| 1        | EACH  | DRILL EXISTING HANDHOLE  |
| 1        | EACH  | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED              |
| 1        | EACH  | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED               |
| 1        | EACH  | TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC                 |
| 14       | EACH  | INDUCTIVE LOOP DETECTOR  |
| 114      | FOOT  | DETECTOR LOOP, TYPE 1  |
| 1        | EACH  | TEMPORARY TRAFFIC SIGNAL INSTALLATION                              |
| 6        | EACH  | RELOCATE EXISTING SIGNAL HEAD                                      |
| 1        | EACH  | RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD                           |
| 2        | EACH  | RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON                           |
| 1        | EACH  | RELOCATE EXISTING TRAFFIC SIGNAL POST                              |
| • 1      | EACH  | RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT |
| • 1      | EACH  | RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT  |
| 8043     | FOOT  | REMOVE ELECTRIC CABLE FROM CONDUIT                                 |
| 1832     | FOOT  | REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT                   |
| 1        | EACH  | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                           |
| 1        | EACH  | REMOVE EXISTING HANDHOLE   |
| 1        | EACH  | REMOVE EXISTING DOUBLE HANDHOLE                                    |
| 4        | EACH  | REMOVE EXISTING CONCRETE FOUNDATION                                |
| • 1070   | FOOT  | EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C    |
| •• 100   | FOOT  | ROD AND CLEAN EXISTING CONDUIT                                     |
| 2        | EACH  | CONDUIT SPLICE   |
| 1        | EACH  | FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)        |
| 1        | EACH  | UNINTERRUPTABLE POWER SUPPLY, SPECIAL                              |
| 1        | EACH  | TEMPORARY TRAFFIC SIGNAL TIMING                                    |

- 100% OF THE COST TO THE VILLAGE OF HOFFMAN ESTATES
- NOMINAL QUANTITY TO BE USED AS NEEDED AND APPROVED BY THE ENGINEER

TS SHT NO. 15

TS 2940

|   |                    |                 |                           |   |   |                         |                      |                           |              |           |
|---|--------------------|-----------------|---------------------------|---|---|-------------------------|----------------------|---------------------------|--------------|-----------|
| FILE NAME =   | USER NAME = .USER. | DESIGNED - V.O. | REVISED -                 | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>SCHEDULE OF QUANTITIES<br/>IL ROUTE 62 (ALGONQUIN ROAD) AT BARRINGTON ROAD</b> | F.A.P. RTE.             | SECTION              | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| J:\13155\60X88\DCN\CADD Sheets\60X88-sh-07-Mast Arm Mounted.dgn | DRAWN - E.C.       | REVISIED -      | 339                       |   |   | 116R-N                  | COOK                 | 69                        | 50           |           |
| PLOT SCALE = 20.0000' / in.                                     | CHECKED - I.Y.     | REVISIED -      | <b>CONTRACT NO. 60X88</b> |   |   |                         |                      |                           |              |           |
| PLOT DATE = 5/14/2015   | DATE - 1/23/2015   | REVISIED -      | SCALE: NTS                |   |   | SHEET NO. 1 OF 1 SHEETS | STA. N/A TO STA. N/A | ILLINOIS FED. AID PROJECT |              |           |



TS SHT NO. 16

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

ECON 95

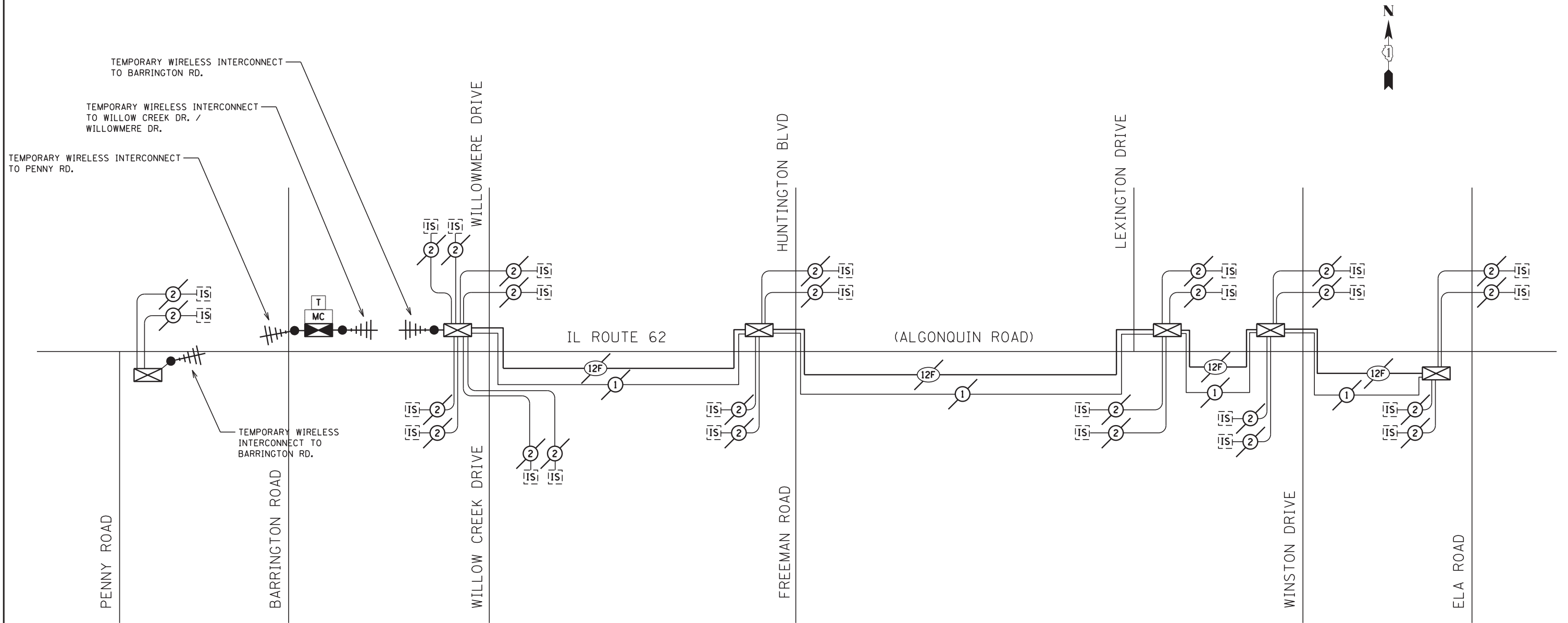
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| PLOT SCALE = | 50.0000' / in.  | CHECKED -  | I.Y.      | REVISED - | - |
| PLOT DATE =  | 4/21/2015   | DATE -     | 1/23/2015 | REVISED - | - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN  
IL ROUTE 62 (ALGONQUIN RD.) FROM PENNY RD. TO WILLOW CREEK DR.**

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 339                       | 116R-N  | COOK   | 69           | 51        |
| <b>CONTRACT NO. 60X88</b> |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

SCALE: 1"=50'    SHEET NO. 1 OF 1 SHEETS    STA. N/A TO STA. N/A



THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

ECON 95

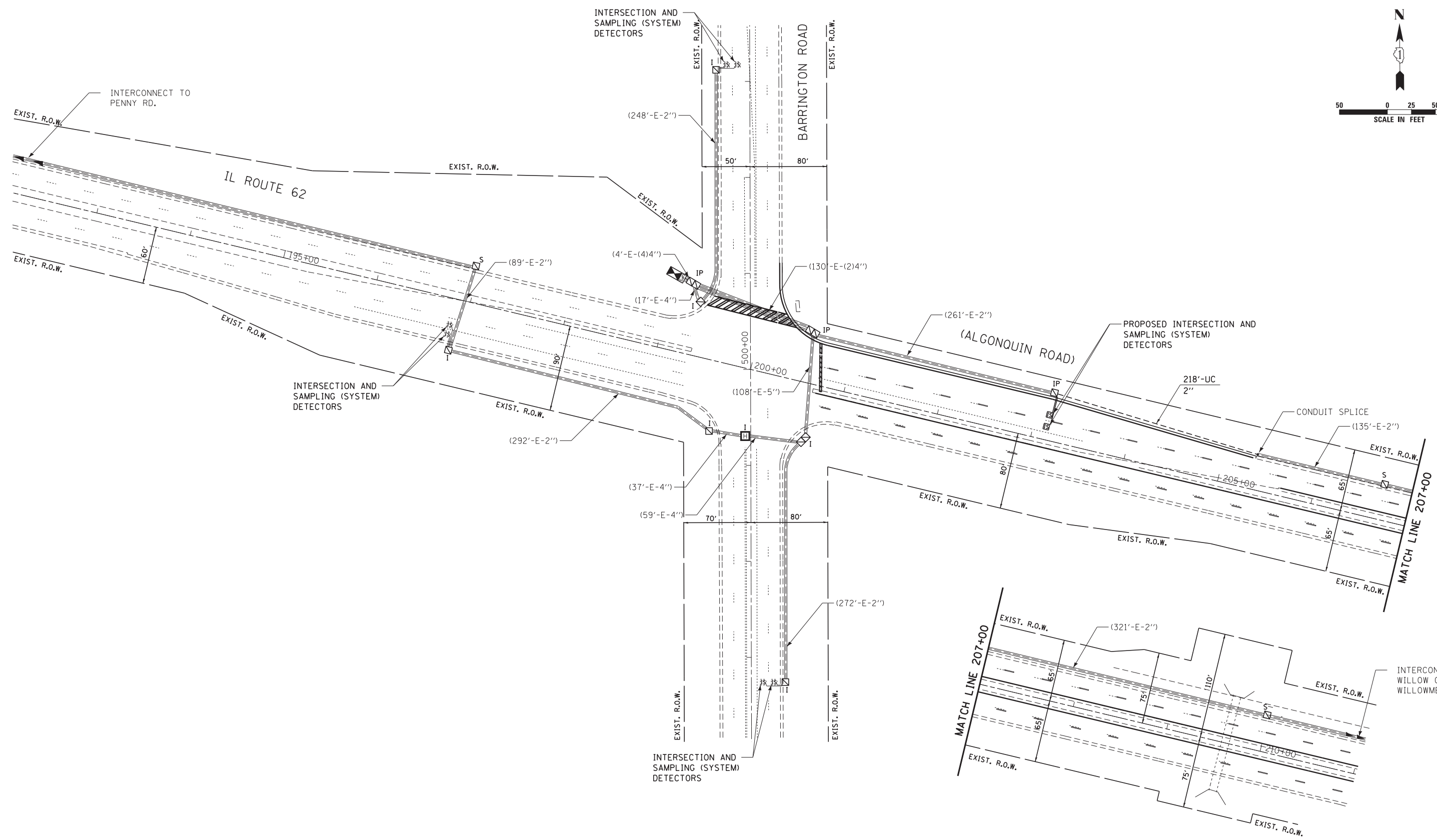
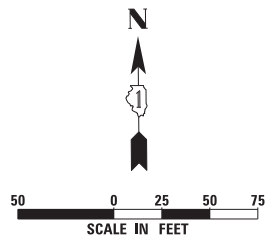
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|   | PLOT SCALE = 20.0000' / in. | CHECKED - I.Y.   | REVISED - |
|   | PLOT DATE = 4/21/2015       | DATE - 1/23/2015 | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC  
IL ROUTE 62 (ALGONQUIN ROAD) FROM PENNY ROAD TO ELA ROAD

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

| F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 339                       | 116R-N  | COOK   | 69           | 52        |
| CONTRACT NO. 60X88        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



TS SHT NO. 18

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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|--------------|--|------------|-----------|-----------|---|
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| PLOT DATE =  | 4/21/2015  | DATE -     | 1/23/2015 | REVISED - | - |

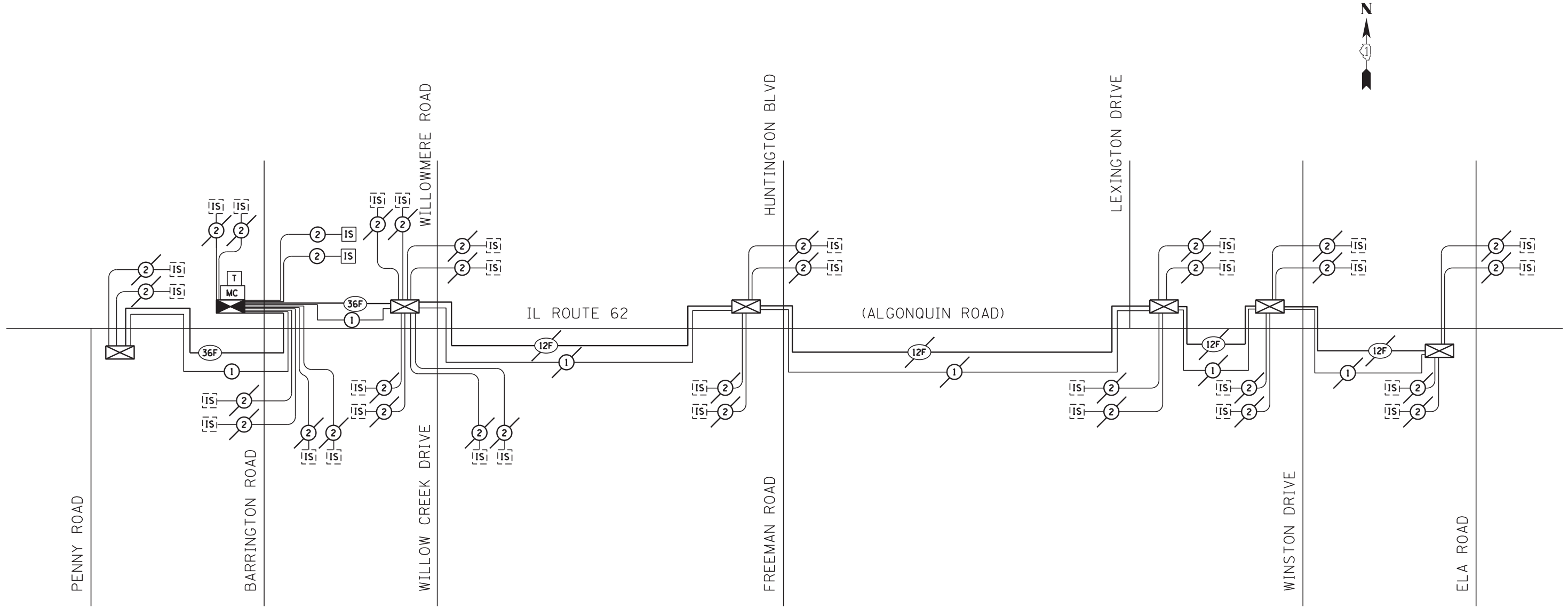
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN  
IL ROUTE 62 (ALGONQUIN ROAD) AT BARRINGTON ROAD**

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 339                       | 116R-N  | COOK   | 69           | 53        |
| <b>CONTRACT NO. 60X88</b> |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

ECON 95

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A



**SCHEDULE OF QUANTITIES**

| QUANTITY | UNIT | ITEM   |
|----------|------|--|
| 218      | FOOT | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.         |
| 2        | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION    |
| 1        | EACH | TRANSCEIVER - FIBER OPTIC                              |
| 4323     | FOOT | ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C           |
| 7703     | FOOT | REMOVE ELECTRIC CABLE FROM CONDUIT                     |
| 1        | EACH | CONDUIT SPLICE   |
| 1        | EACH | MASTER CONTROLLER (SPECIAL)                            |
| 4323     | FOOT | FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F SM24F |
| 1        | EACH | RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2              |

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

ECON 95

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| PLOT DATE = 4/21/2015   | DATE - 1/23/2015   |                 | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

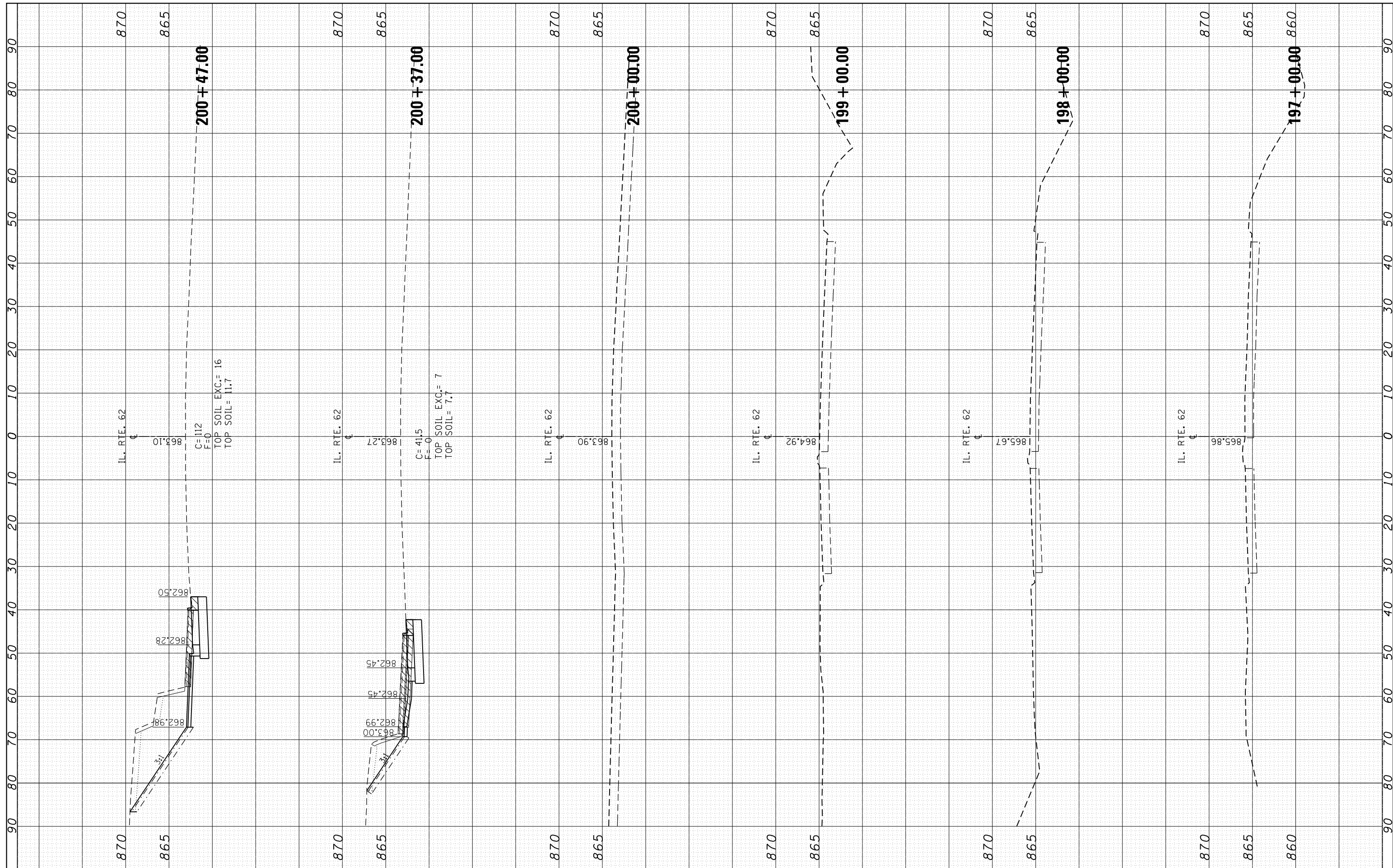
**INTERCONNECT SCHEMATIC  
IL ROUTE 62 (ALGONQUIN ROAD) FROM PENNY ROAD TO ELA ROAD**

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

|                           |                |             |                 |              |
|---------------------------|----------------|-------------|-----------------|--------------|
| F.A.P. RTE. 339           | SECTION 116R-N | COUNTY COOK | TOTAL SHEETS 69 | SHEET NO. 54 |
| <b>CONTRACT NO. 60X88</b> |                |             |                 |              |
| ILLINOIS FED. AID PROJECT |                |             |                 |              |

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

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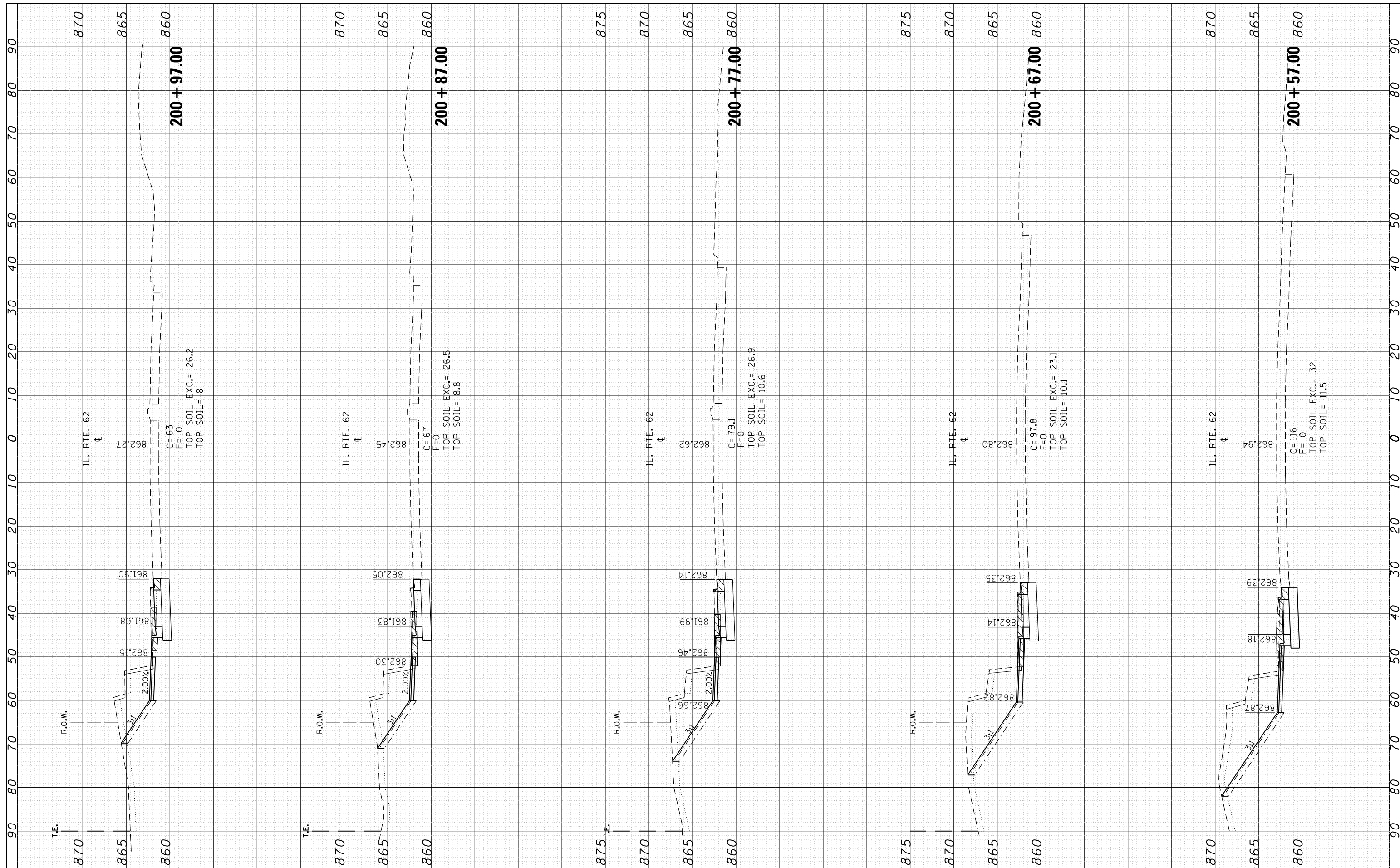
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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| <b>CROSS SECTIONS</b>                  |       |    |                                  |
| <b>IL. ROUTE 62 AT BARRINGTON ROAD</b> |       |    |                                  |
| SCALE:                                 | SHEET | OF | SHEETS                           |
|  |       |    | STA. 197+00.00 TO STA. 200+47.00 |

|                           |                |             |                 |              |
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| F.A. RTE. 339             | SECTION 116R-N | COUNTY COOK | TOTAL SHEETS 69 | SHEET NO. 55 |
| CONTRACT NO. 60X88        |                |             |                 |              |
| ILLINOIS FED. AID PROJECT |                |             |                 |              |

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| NOTE BOOK           | PLOTTED       |    |      |
| AREAS CHECKED       | TEMPLATE      |    |      |
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL. ROUTE 62 AT BARRINGTON ROAD**

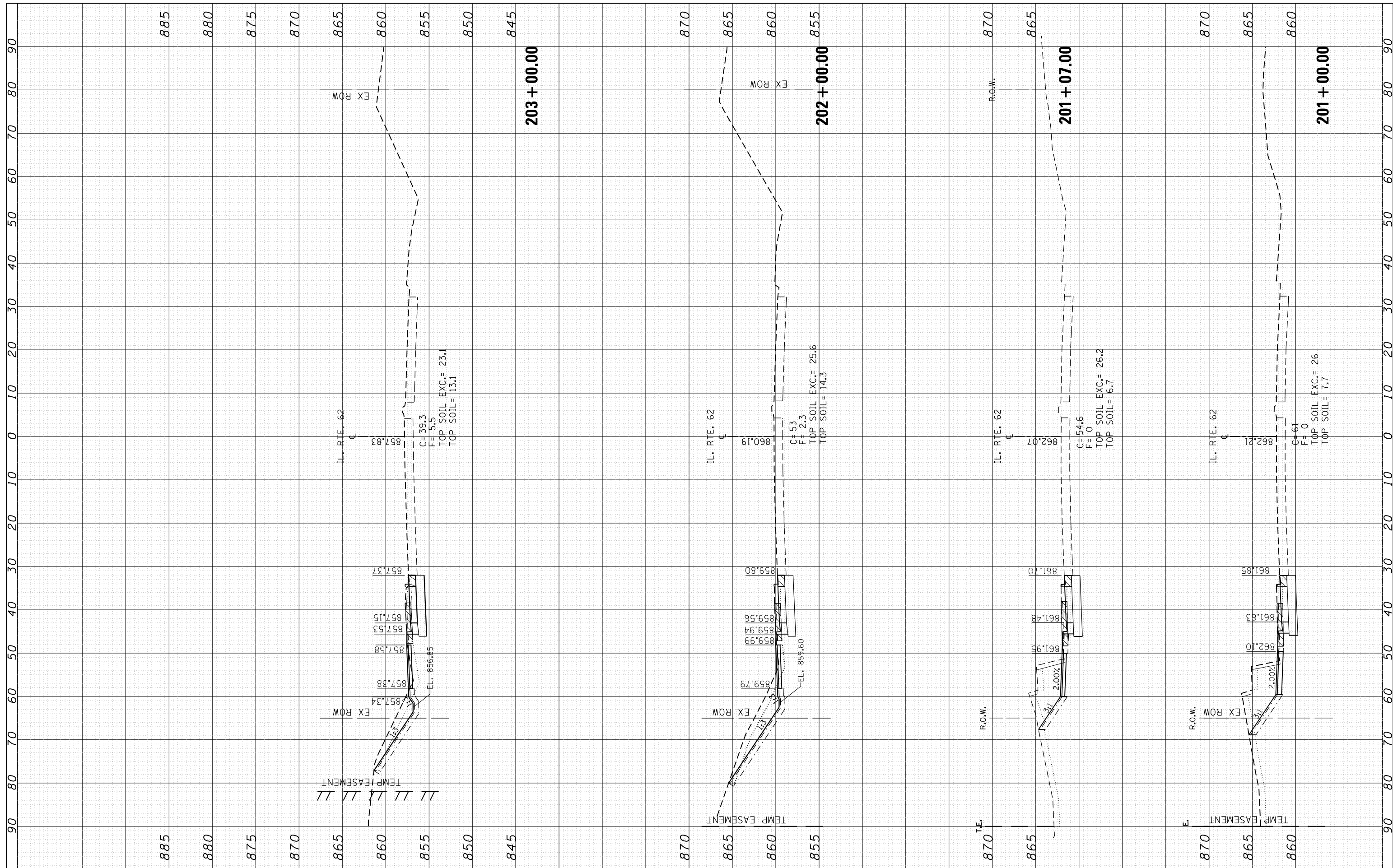
SCALE: SHEET OF SHEETS STA. 200+57.00 TO STA. 200+97.00

| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 339                       | 116R-N  | COOK   | 69           | 56        |
| CONTRACT NO. 60X88        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



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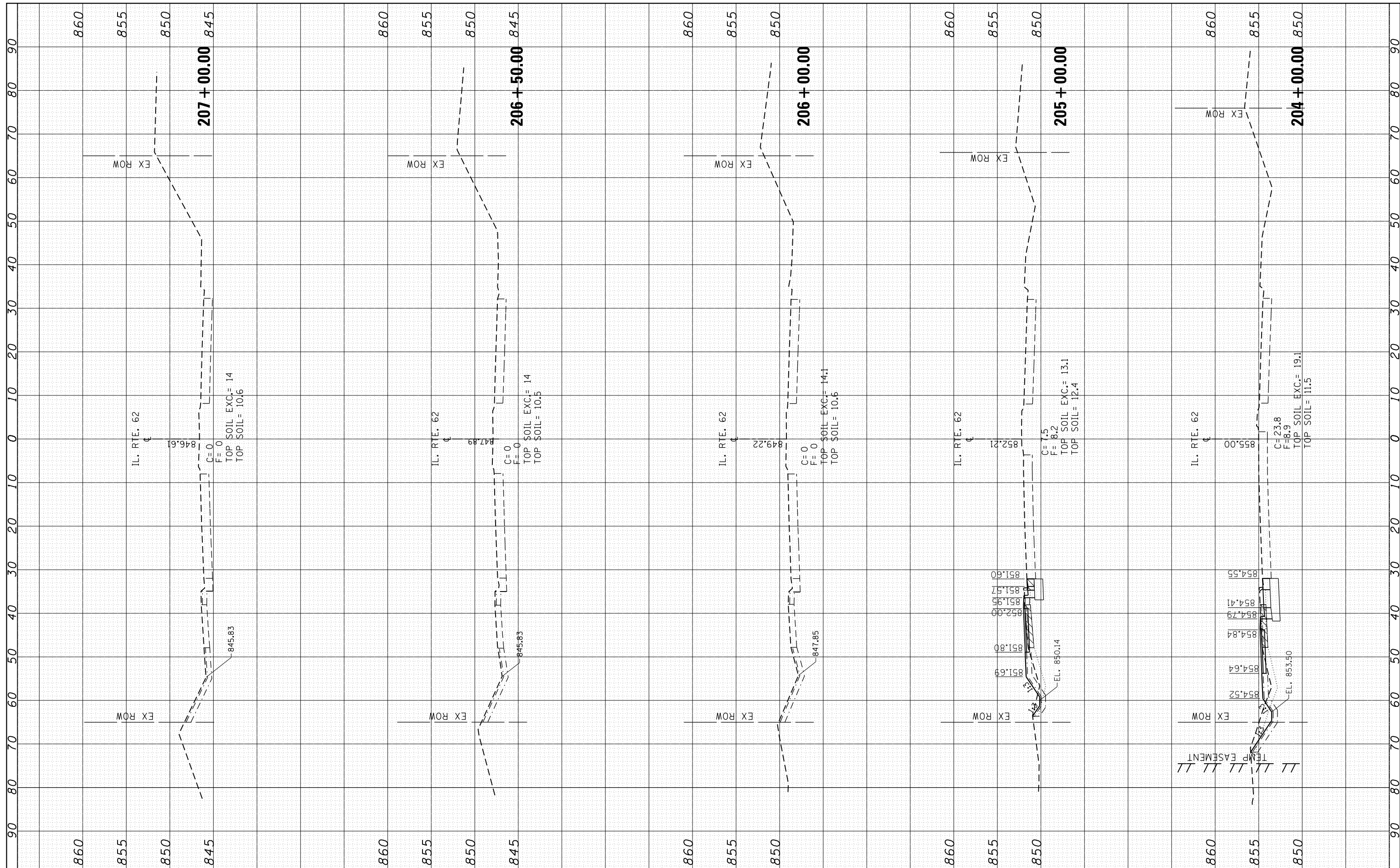
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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| <b>CROSS SECTIONS</b>                  |       |    |                                  |
| <b>IL. ROUTE 62 AT BARRINGTON ROAD</b> |       |    |                                  |
| SCALE:                                 | SHEET | OF | SHEETS                           |
|  |       |    | STA. 201+00.00 TO STA. 203+00.00 |

|                           |         |        |              |                    |
|---------------------------|---------|--------|--------------|--------------------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO.          |
| 339                       | 116R-N  | COOK   | 69           | 57                 |
|                           |         |        |              | CONTRACT NO. 60X88 |
| ILLINOIS FED. AID PROJECT |         |        |              |                    |

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

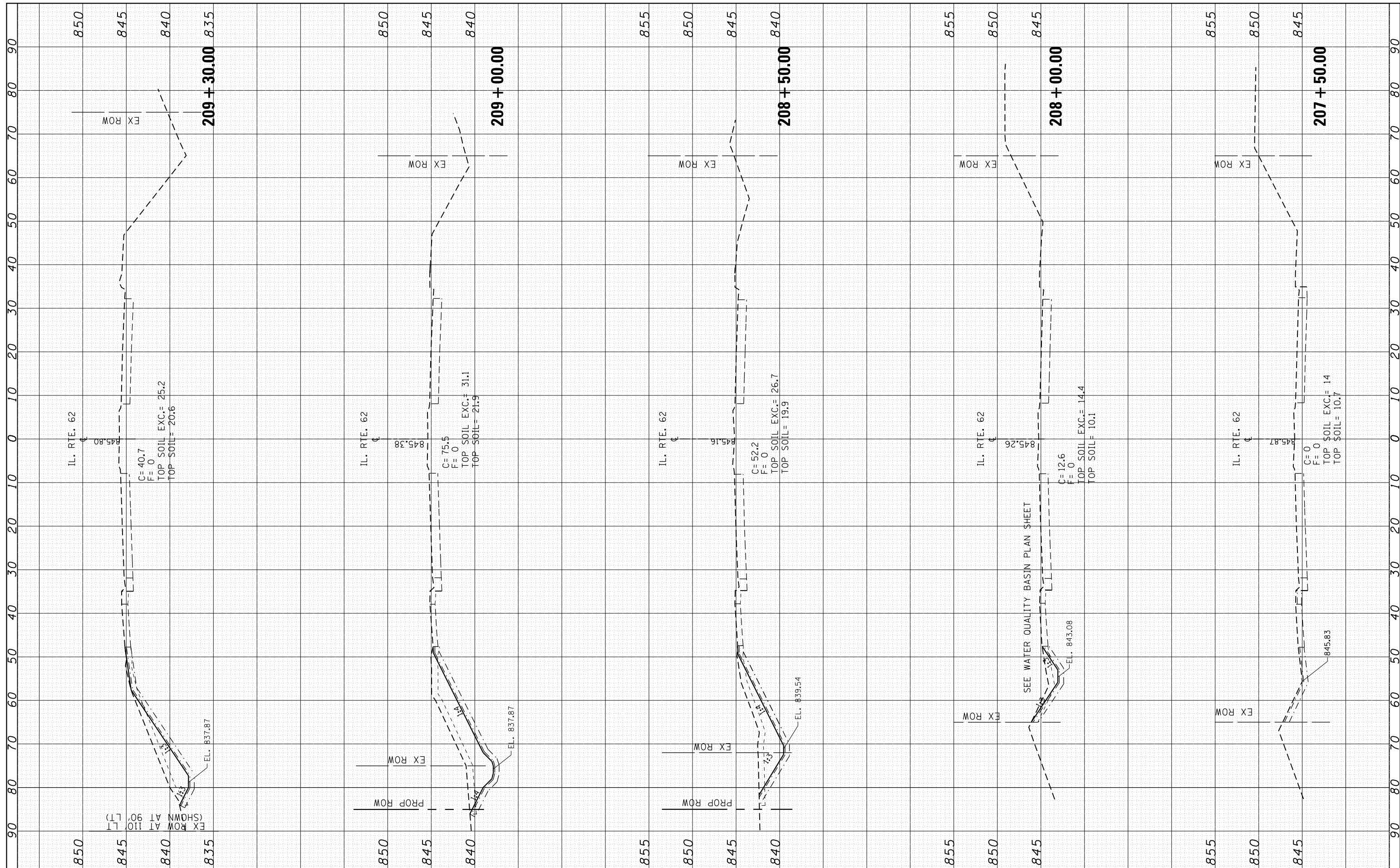
**CROSS SECTIONS  
IL. ROUTE 62 AT BARRINGTON ROAD**

SCALE: SHEET OF SHEETS STA. 204+00.00 TO STA. 207+00.00

|                           |                |             |                 |              |
|---------------------------|----------------|-------------|-----------------|--------------|
| F.A. RTE. 339             | SECTION 116R-N | COUNTY COOK | TOTAL SHEETS 69 | SHEET NO. 58 |
| CONTRACT NO. 60X88        |                |             |                 |              |
| ILLINOIS FED. AID PROJECT |                |             |                 |              |

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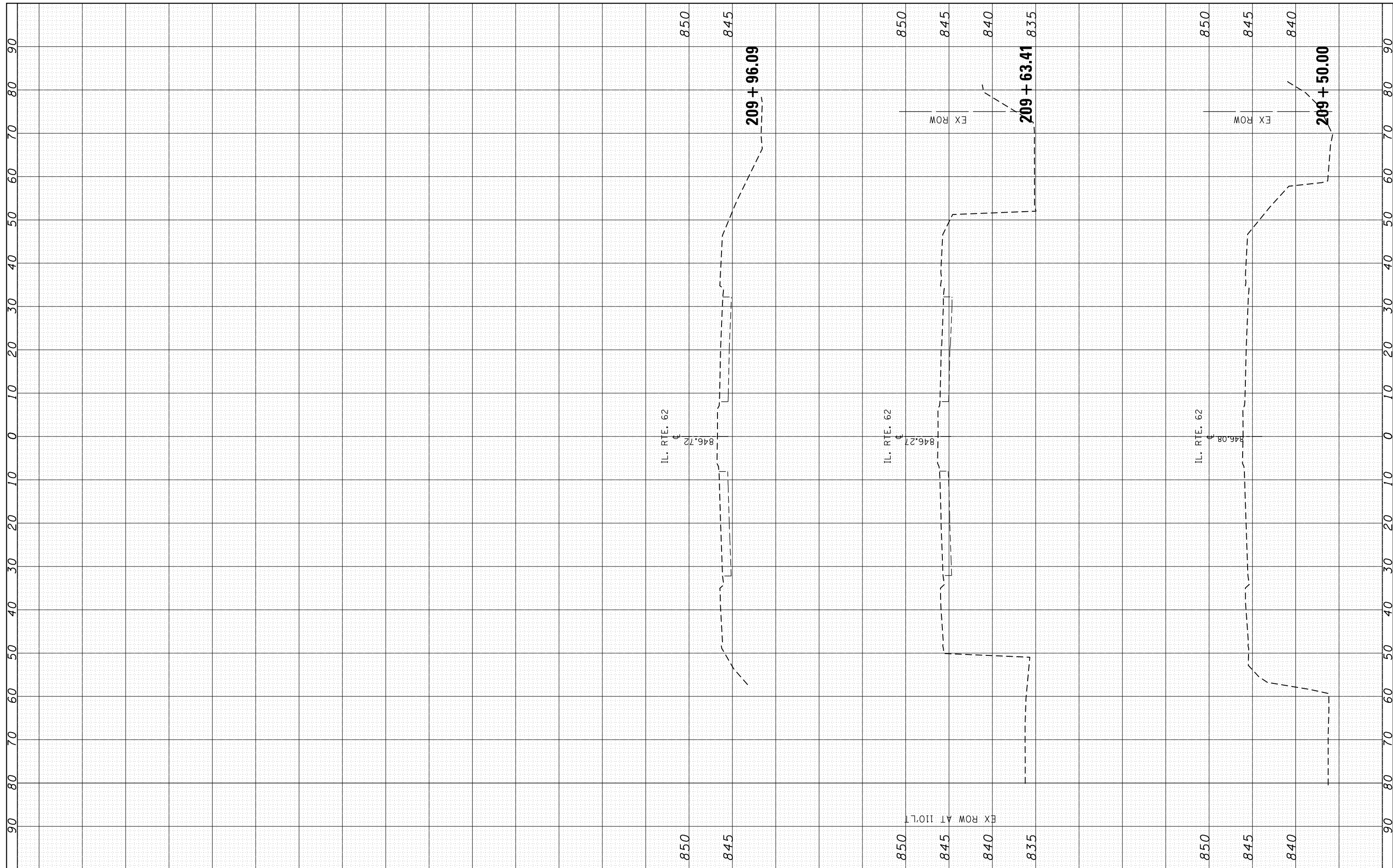
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL. ROUTE 62 AT BARRINGTON ROAD**  
 SCALE: SHEET OF SHEETS STA. 207+50.00 TO STA. 209+30.00

|                           |                |             |                 |              |
|---------------------------|----------------|-------------|-----------------|--------------|
| F.A. RTE. 339             | SECTION 116R-N | COUNTY COOK | TOTAL SHEETS 69 | SHEET NO. 59 |
| CONTRACT NO. 60X88        |                |             |                 |              |
| ILLINOIS FED. AID PROJECT |                |             |                 |              |

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| FINAL SURVEY NO. | SURVEYED PLOTTED TEMPLATE AREAS CHECKED | BY | DATE |
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|  |                    | DATE -     | REVISED - |

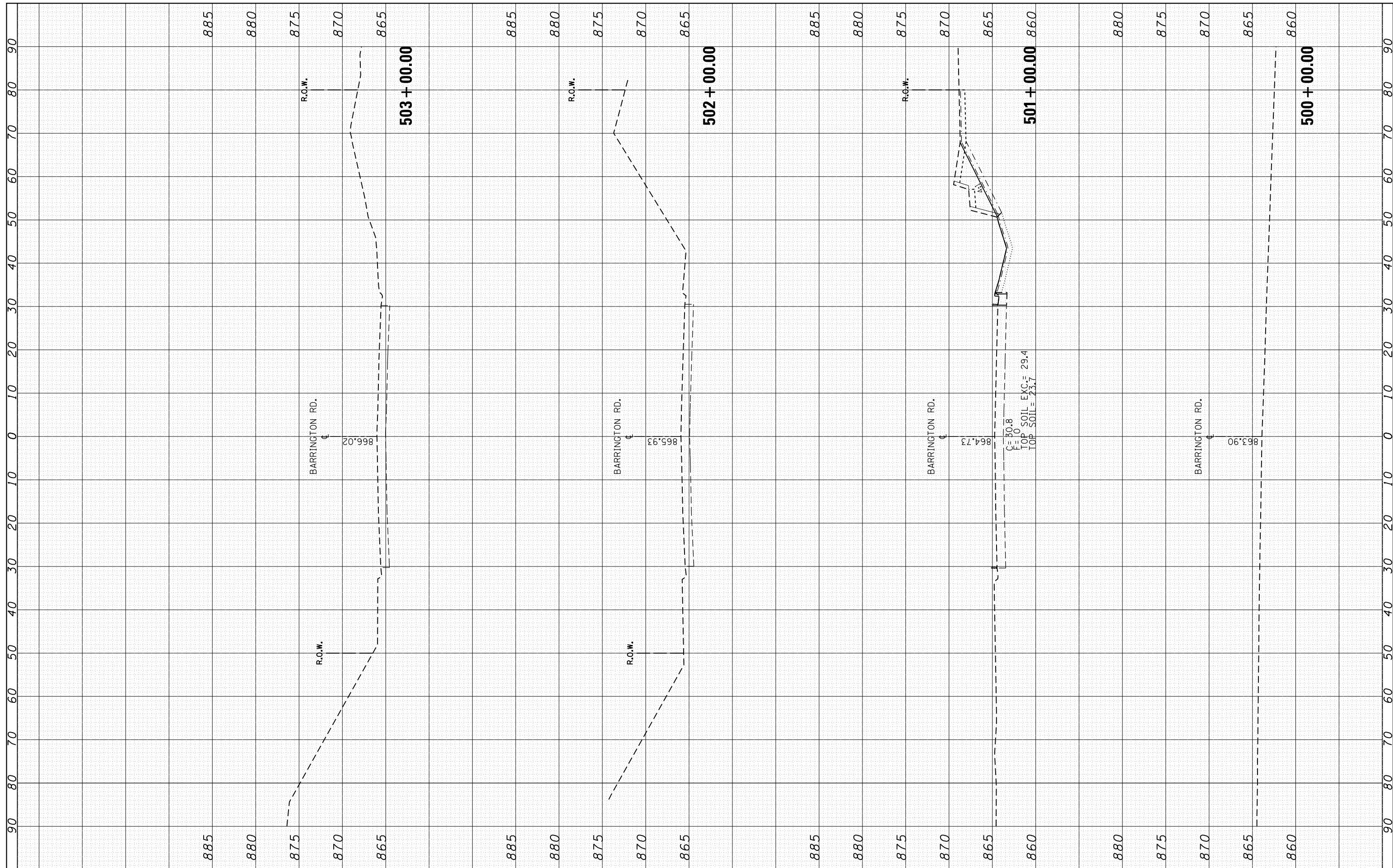
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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|--|-------|-------------------|--------|
| <b>CROSS SECTIONS</b>                  |       |                   |        |
| <b>IL. ROUTE 62 AT BARRINGTON ROAD</b> |       |                   |        |
| SCALE:                                 | SHEET | OF                | SHEETS |
|  |       |                   |        |
| STA. 209+50.00                         |       | TO STA. 209+96.09 |        |

|                           |                |             |                 |              |
|---------------------------|----------------|-------------|-----------------|--------------|
| F.A. RTE. 339             | SECTION 116R-N | COUNTY COOK | TOTAL SHEETS 68 | SHEET NO. 60 |
| CONTRACT NO. 60X88        |                |             |                 |              |
| ILLINOIS FED. AID PROJECT |                |             |                 |              |

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|  |       |    |                                  |
|--|-------|----|----------------------------------|
| <b>CROSS SECTIONS</b>                  |       |    |                                  |
| <b>IL. ROUTE 62 AT BARRINGTON ROAD</b> |       |    |                                  |
| SCALE:                                 | SHEET | OF | SHEETS                           |
|  |       |    | STA. 500+00.00 TO STA. 503+00.00 |

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A.P. RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 339                       | 116R-N  | COOK   | 69           | 61        |
| CONTRACT NO.              |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001  
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) \*\*

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

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

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

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

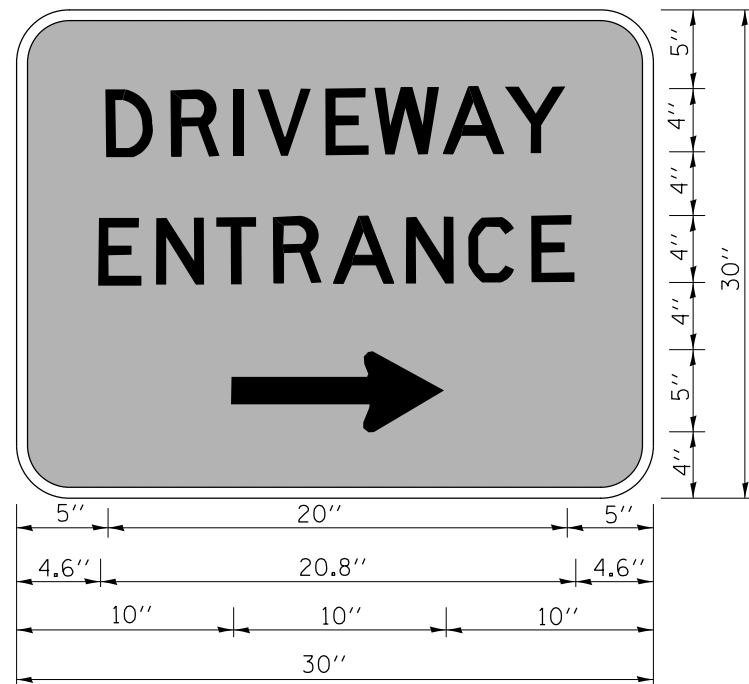
**BASIS OF PAYMENT:**

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

|  |                             |                      |                             |   |  |                         |                         |                           |              |   |
|--|-----------------------------|----------------------|-----------------------------|---|--|-------------------------|-------------------------|---------------------------|--------------|---|
| FILE NAME =                                  | USER NAME = midyja          | DESIGNED - A. HOUSEH | REVISED - R. SHAH 10-03-96  | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>CURB OR CURB AND GUTTER<br/>REMOVAL AND REPLACEMENT</b> | F.A.P. RTE.             | SECTION                 | COUNTY                    | TOTAL SHEETS | SHEET NO.                                       |
| et:\pw\work\p\midot\midyja\0299678\Dist5.dgn |                             | DRAWN -              | REVISED - A. ABBAS 03-21-97 |   |  | 339                     | 116R-N                  | COOK                      | 69           | 62  |
|  | PLOT SCALE = 100.0000' / 1" | CHECKED -            | REVISED - M. GOMEZ 01-22-01 |   |  | <b>BD600-06 (BD-24)</b> |                         | <b>CONTRACT NO. 60X88</b> |              |   |
|  | PLOT DATE = 5/15/2015       | DATE - 03-11-94      | REVISED - R. BORO 12-15-09  |   |  | SCALE: NONE             | SHEET NO. 1 OF 1 SHEETS | STA.                      | TO STA.      | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |



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

**NOTES:**

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

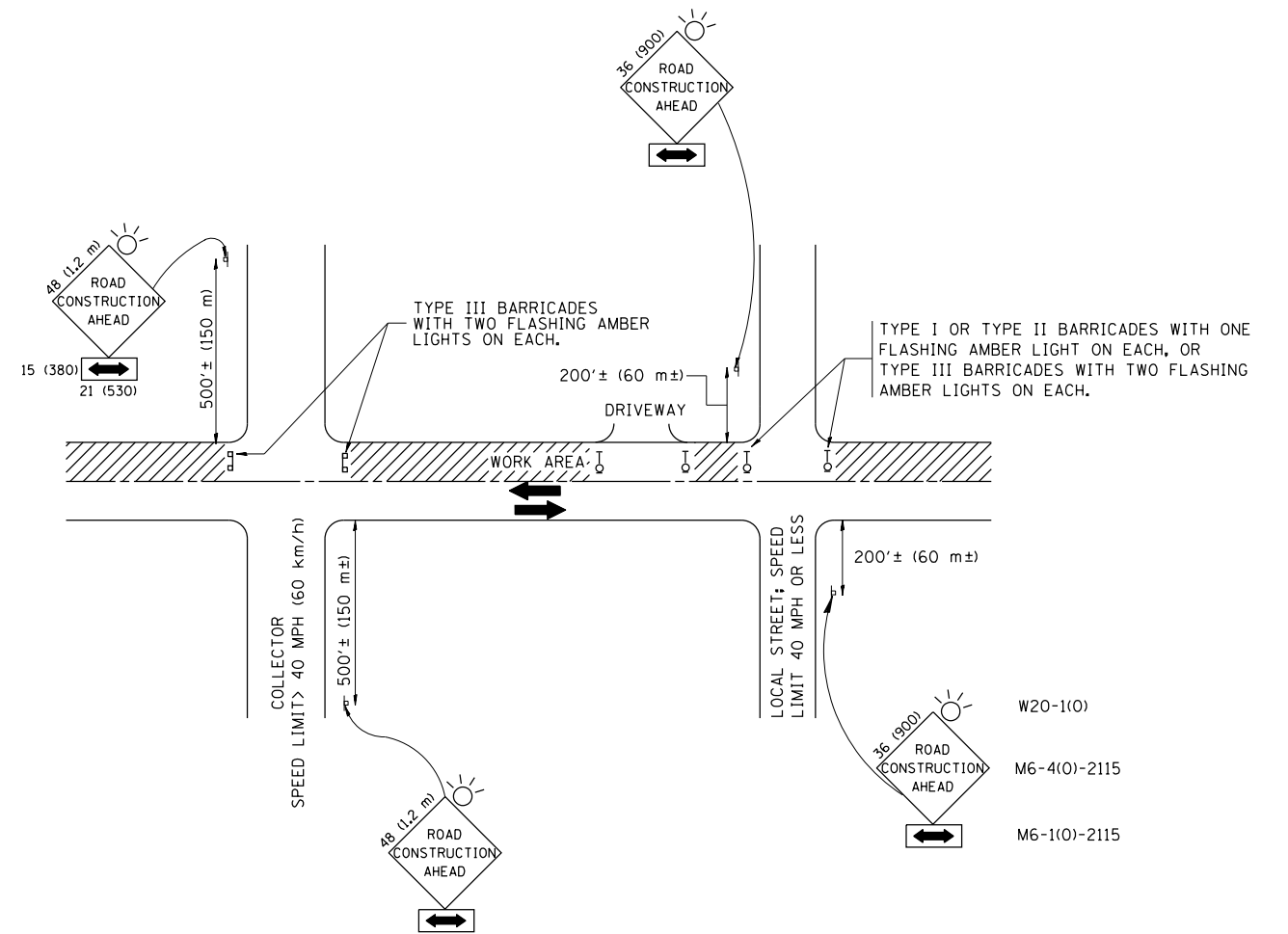
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|  | PLOT SCALE = 100.0000' / 1in. | CHECKED -  | REVISED -                    |
|  | PLOT DATE = 5/15/2015         | DATE -     | REVISED -                    |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| F.A.P. RTE.                                     | SECTION | COUNTY | TOTAL SHEETS              | SHEET NO. |
|---|---------|--------|---------------------------|-----------|
| 339   | 116R-N  | COOK   | 69                        | 63        |
| <b>TC-26</b>                                    |         |        | <b>CONTRACT NO. 60X88</b> |           |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |         |        |                           |           |



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
  1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
    - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
  2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
    - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
  3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

|  |                              |                |                                 |
|--|------------------------------|----------------|---------------------------------|
| FILE NAME =                                | USER NAME = midyja           | DESIGNED - LHA | REVISED - J. OBERLE 10-18-95    |
| et:\pwork\pwork\midyja\0299678\DistStd.dgn |                              | DRAWN -        | REVISED - A. HOUSEH 03-06-96    |
|  | PLOT SCALE = 100.0000' / in. | CHECKED -      | REVISED - A. HOUSEH 10-15-96    |
|  | PLOT DATE = 5/15/2015        | DATE - 06-89   | REVISED - T. RAMMACHER 01-06-00 |

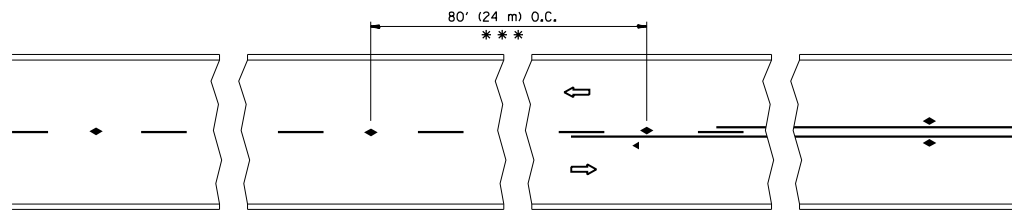
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

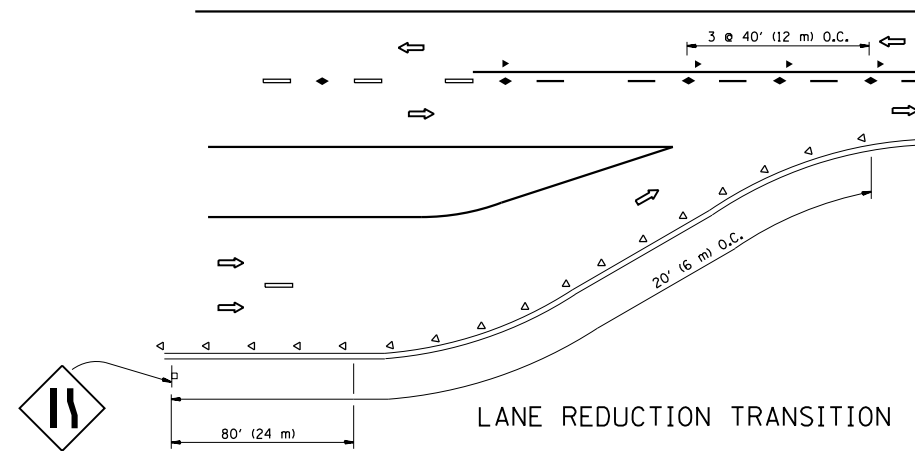
| F.A.P. RTE.                                     | SECTION | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---|---------|--------|--------------------|-----------|
| 339   | 116R-N  | COOK   | 69                 | 64        |
| TC-10   |         |        | CONTRACT NO. 60X88 |           |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |         |        |                    |           |



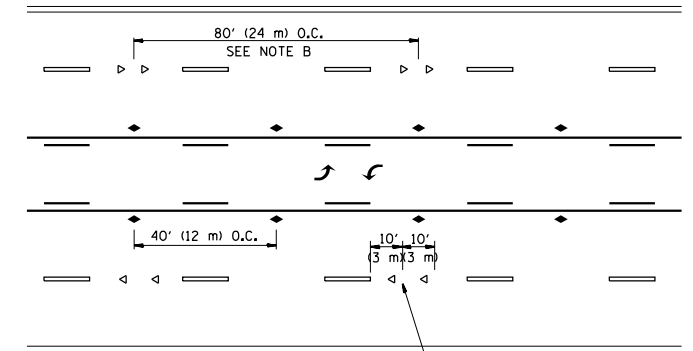


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

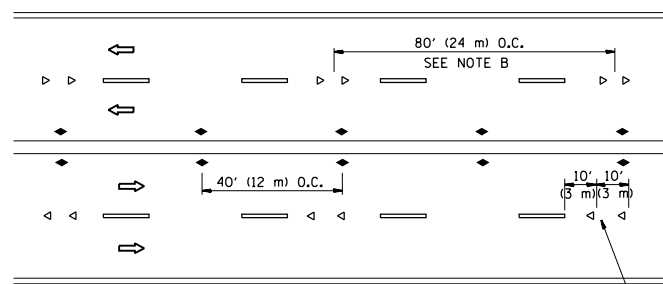
TWO-LANE/TWO-WAY



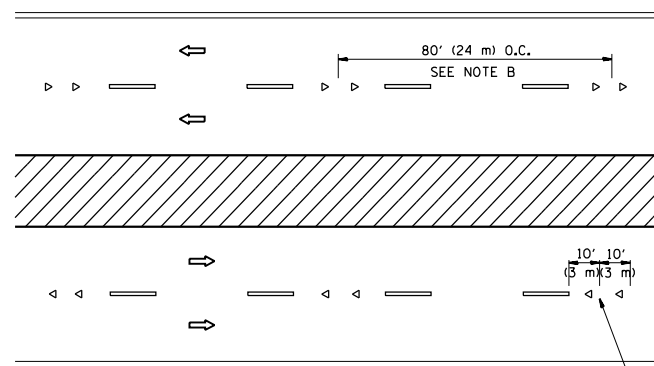
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

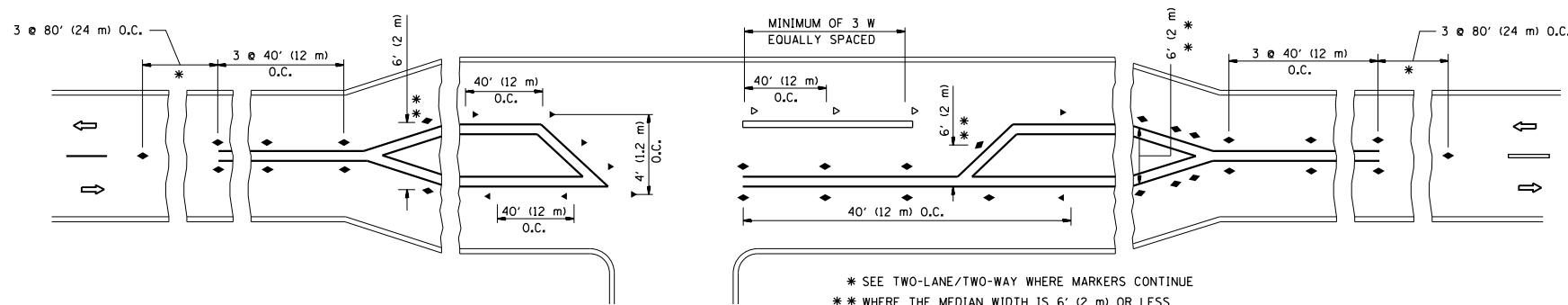
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

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



LEFT TURN

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

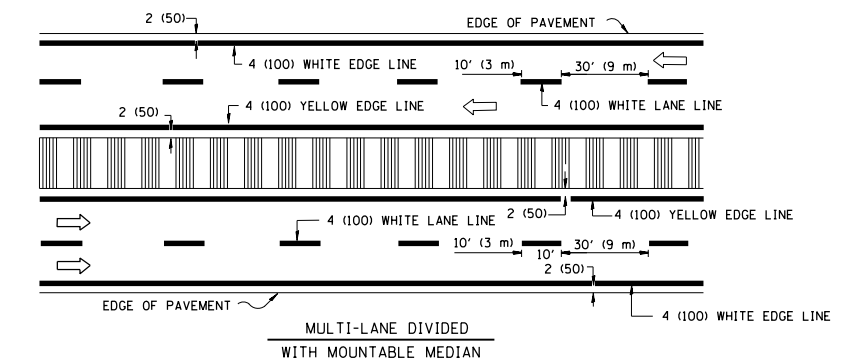
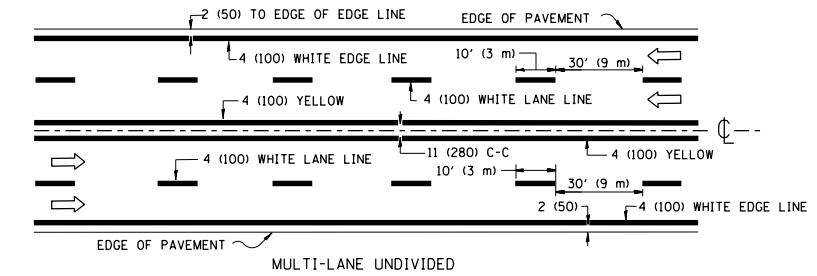
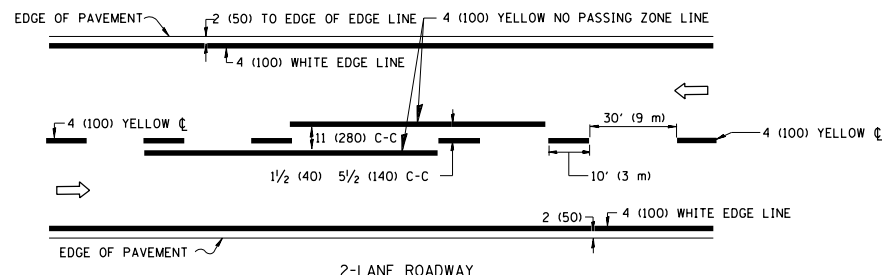
All dimensions are in inches (millimeters) unless otherwise shown.

|  |                               |            |                                 |
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| FILE NAME =                                    | USER NAME = midyja            | DESIGNED - | REVISED - T. RAMMACHER 09-19-94 |
| et:\pw\work\p\midot\midyja\0299678\DistStd.dgn |                               | DRAWN -    | REVISED - T. RAMMACHER 03-12-99 |
|  | PLOT SCALE = 100.0000' / 1" = | CHECKED -  | REVISED - T. RAMMACHER 01-06-00 |
|  | PLOT DATE = 5/15/2015         | DATE -     | REVISED - C. JUCIUS 09-09-09    |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

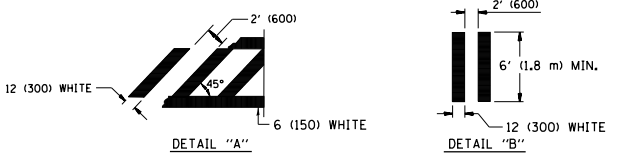
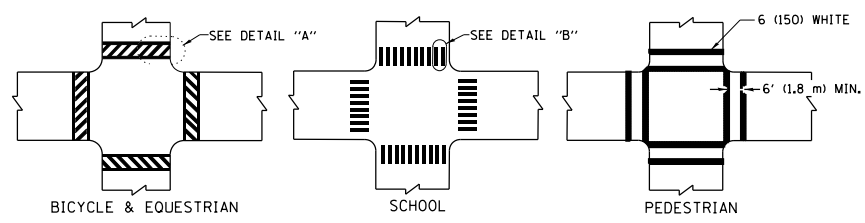
| TYPICAL APPLICATIONS                                     |                         |      |         |
|--|-------------------------|------|---------|
| RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) |                         |      |         |
| SCALE: NONE  | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

| F.A.P. RTE.                                     | SECTION | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---|---------|--------|--------------------|-----------|
| 339   | 116R-N  | COOK   | 69                 | 65        |
| TC-11   |         |        | CONTRACT NO. 60X88 |           |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |         |        |                    |           |

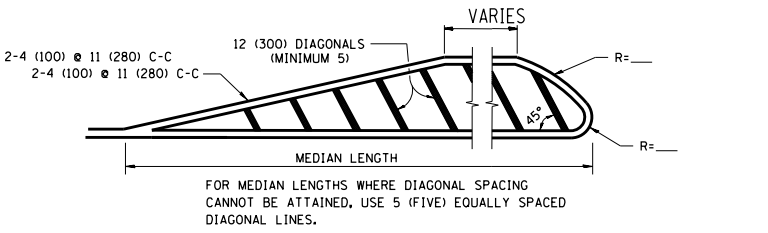
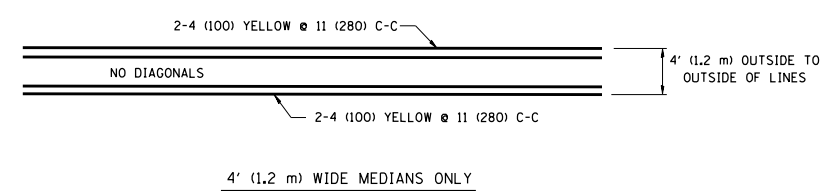


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

**TYPICAL LANE AND EDGE LINE MARKING**

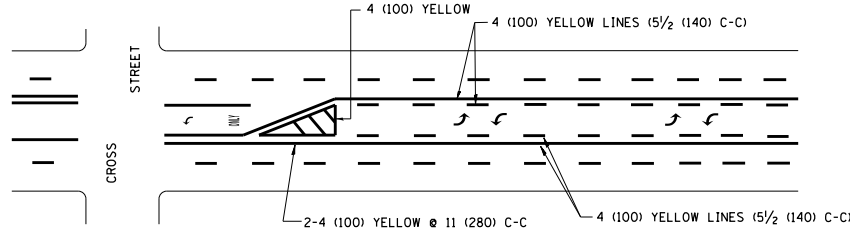


**TYPICAL CROSSWALK MARKING**

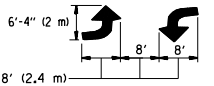


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

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

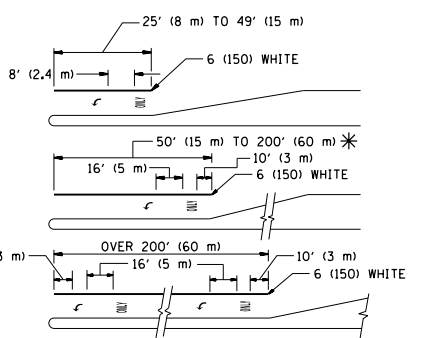


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



**MEDIAN WITH TWO-WAY LEFT TURN LANE**

**TYPICAL PAINTED MEDIAN MARKING**

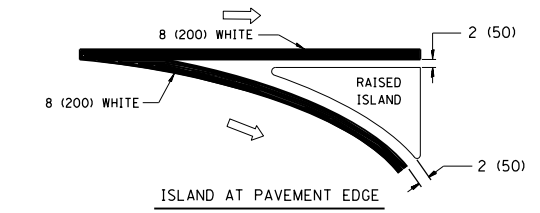
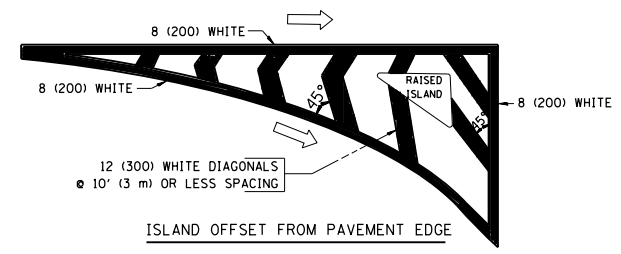


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

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

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

**TYPICAL TURN LANE MARKING**



**TYPICAL ISLAND MARKING**

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

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

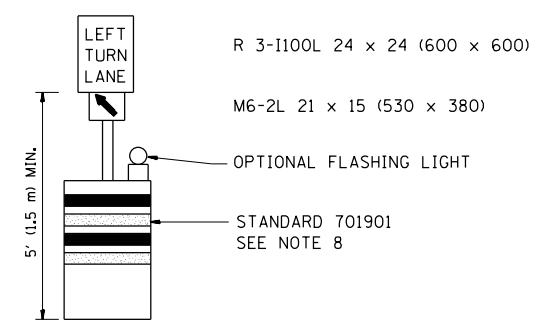
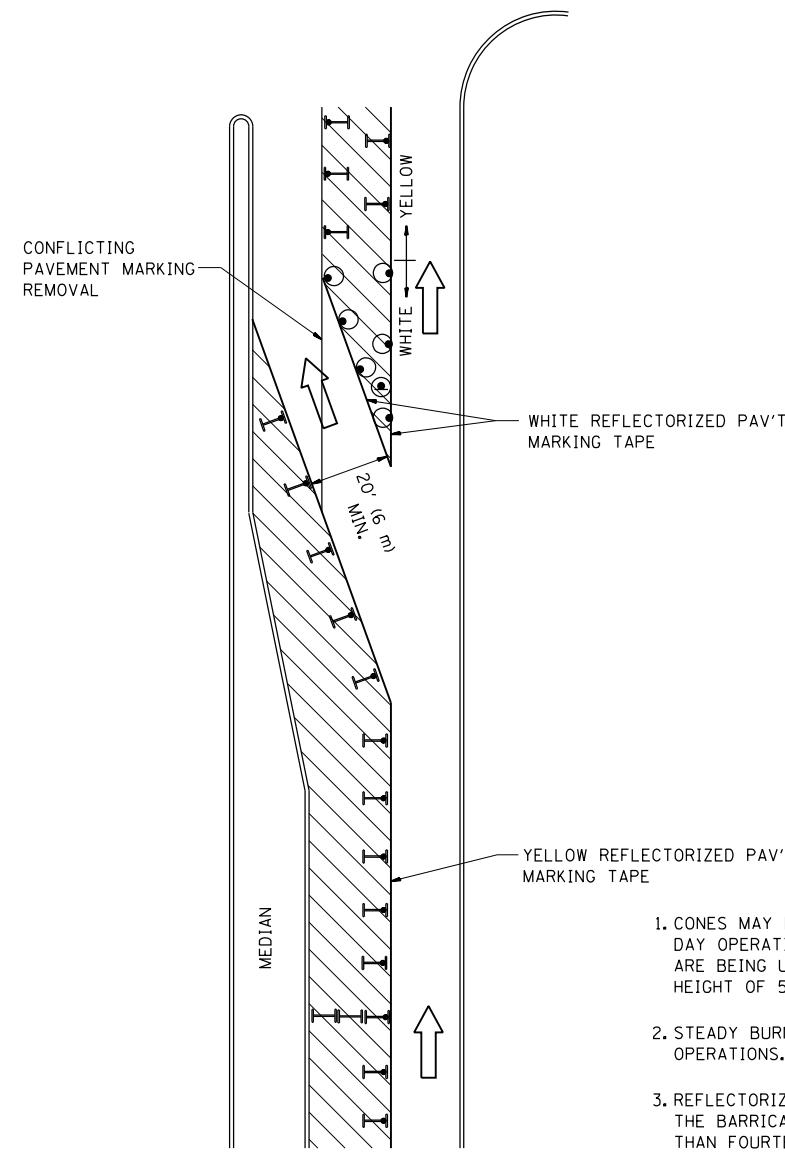
All dimensions are in inches (millimeters) unless otherwise shown.

|   |                              |                  |                                 |
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| FILE NAME =                             | USER NAME = midyja           | DESIGNED - EVERS | REVISED - T. RAMMACHER 10-27-94 |
| et:\pw\work\p\midyja\10299678\Dist5\dgn |                              | DRAWN -          | REVISED - C. JUCIUS 09-09-09    |
|   | PLOT SCALE = 100.0000' / in. | CHECKED -        | REVISED -                       |
|   | PLOT DATE = 5/15/2015        | DATE - 03-19-90  | REVISED -                       |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

|                           |                         |      |         |
|---------------------------|-------------------------|------|---------|
| DISTRICT ONE              |                         |      |         |
| TYPICAL PAVEMENT MARKINGS |                         |      |         |
| SCALE: NONE               | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

|   |         |                    |              |           |
|---|---------|--------------------|--------------|-----------|
| F.A.P. R.T.E.                                   | SECTION | COUNTY             | TOTAL SHEETS | SHEET NO. |
| 339   | 116R-N  | COOK               | 69           | 66        |
| TC-13   |         | CONTRACT NO. 60X88 |              |           |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |         |                    |              |           |









**GENERAL NOTES**

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

**LEGEND**

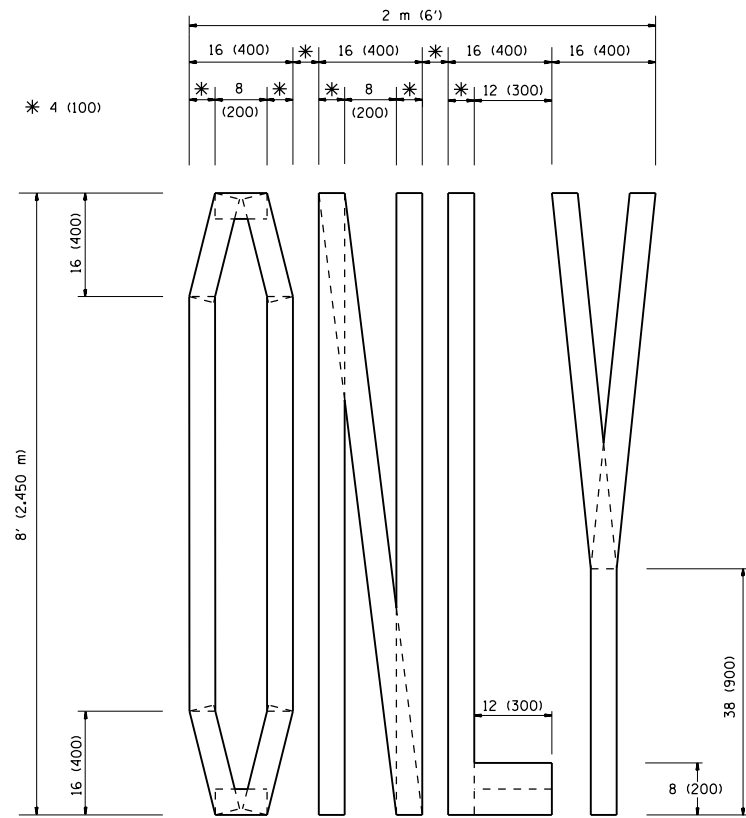
-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

|  |                              |                                |                            |
|--|------------------------------|--------------------------------|----------------------------|
| FILE NAME =                                  | USER NAME = midyja           | REVISED -T. RAMMACHER 09-08-94 | REVISED - R. BORO 09-14-09 |
| et:\pw\work\p1dot\midyja\0299678\DistStd.dgn |                              | REVISED - A. HOUSEH 11-07-95   | REVISED -                  |
|  | PLOT SCALE = 100.0000' / in. | REVISED - A. HOUSEH 10-12-96   | REVISED -                  |
|  | PLOT DATE = 5/15/2015        | REVISED -T. RAMMACHER 01-06-00 | REVISED -                  |

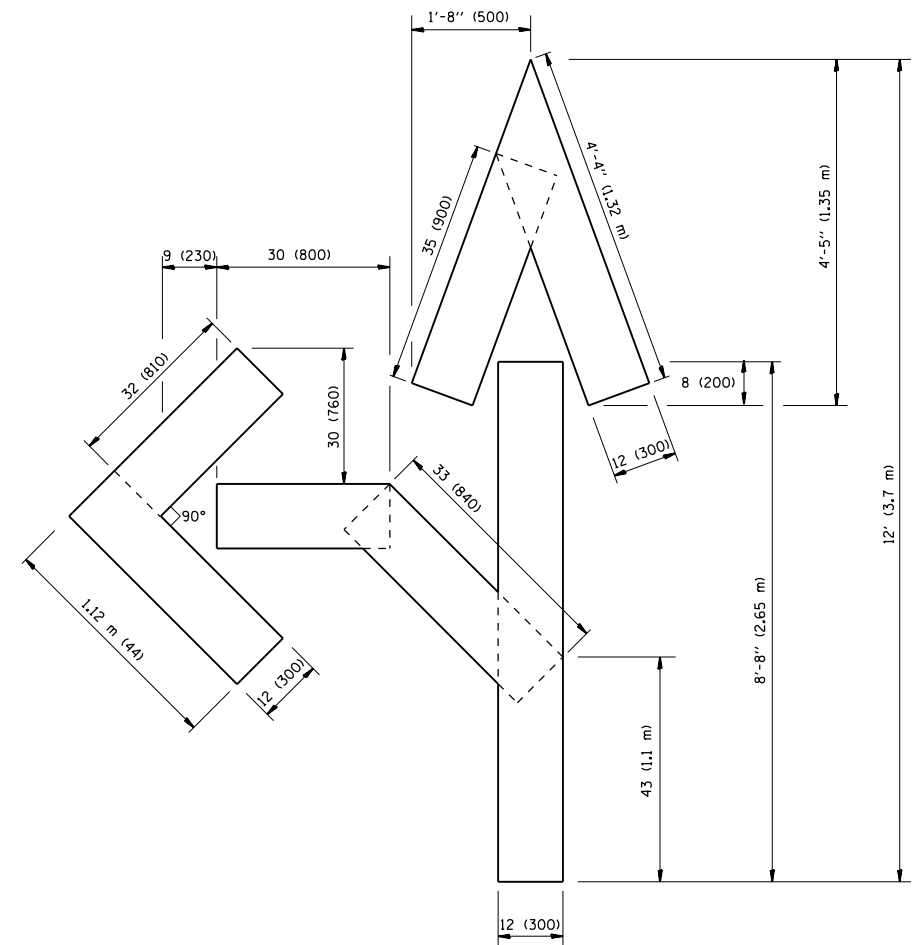
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

| TRAFFIC CONTROL AND PROTECTION AT TURN BAYS<br>(TO REMAIN OPEN TO TRAFFIC) |                         |      |         |
|--|-------------------------|------|---------|
| SCALE: NONE  | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

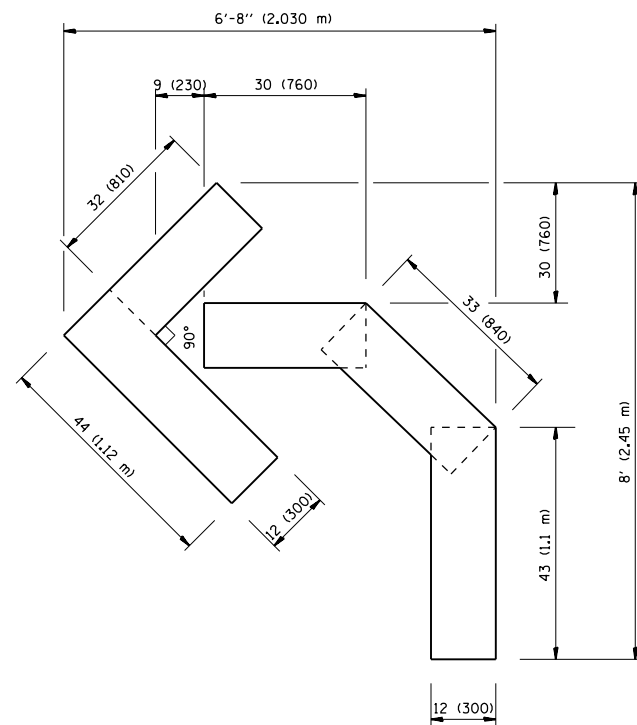
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|---|---------|--------------|--------------|-----------|
| F.A.P. RTE.                                     | SECTION | COUNTY       | TOTAL SHEETS | SHEET NO. |
| 339   | 116R-N  | COOK         | 69           | 67        |
| TC-14   |         | CONTRACT NO. |              |           |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |         |              |              |           |



QUANTITY  
 4 (100) LINE = 64.1 ft. (19.7 m)  
 21.1 sq. ft. (1.97 sq. m)



QUANTITY  
 4 (100) LINE = 82.5 ft. (25.3 m)  
 27.5 sq. ft. (2.53 sq. m)



QUANTITY  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.39 sq. m)

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

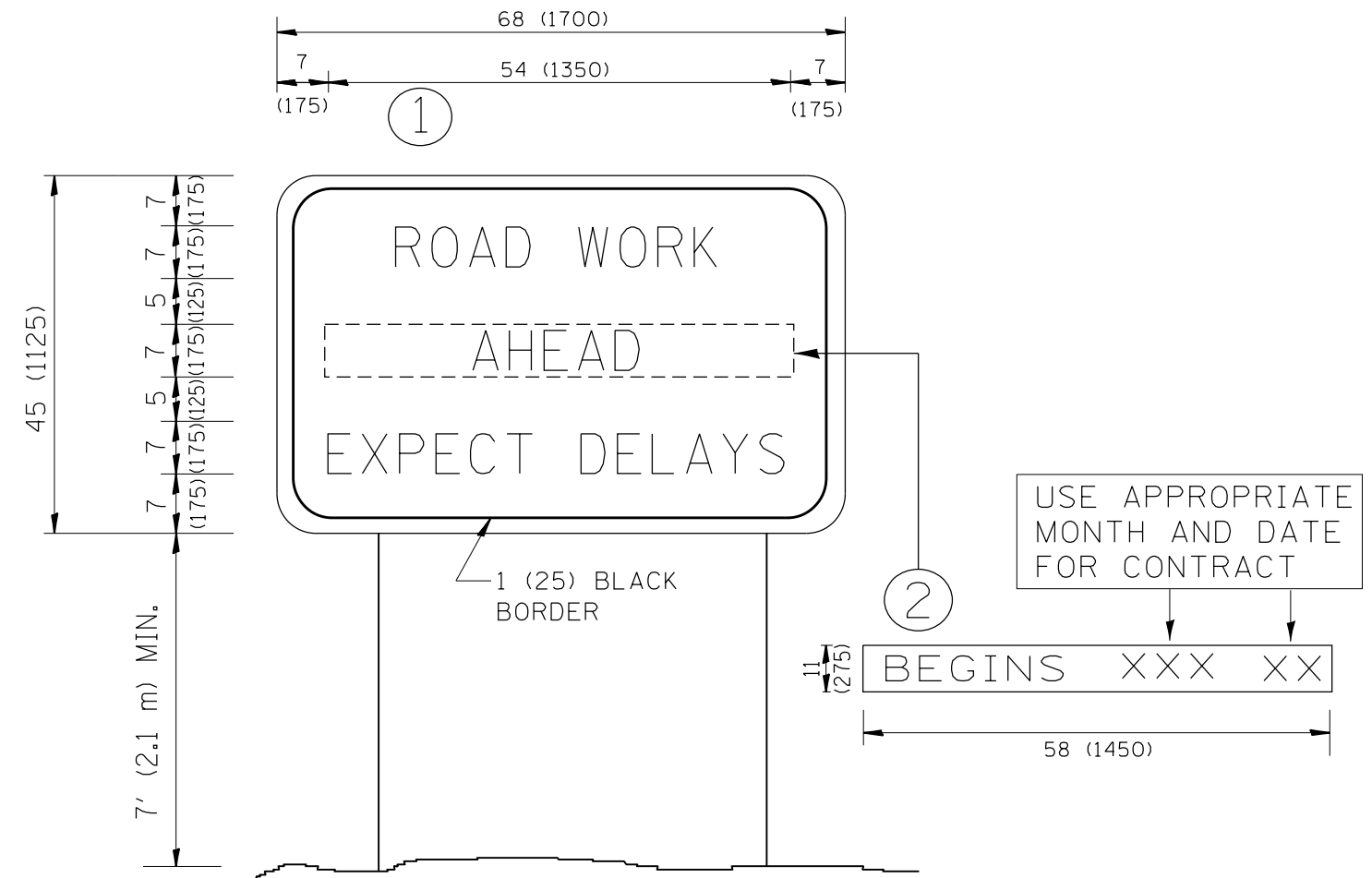
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|--|-----------------------------|-----------------|--------------------------------|
| FILE NAME =                                  | USER NAME = midyja          | DESIGNED -      | REVISED -T. RAMMACHER 06-05-96 |
| et:\pw\work\p\midot\midyja\0299678\Dist5.dgn |                             | DRAWN -         | REVISED -T. RAMMACHER 11-04-97 |
|  | PLOT SCALE = 100.0000' / 1" | CHECKED -       | REVISED -T. RAMMACHER 03-02-98 |
|  | PLOT DATE = 5/15/2015       | DATE - 09-18-94 | REVISED -E. GOMEZ 08-28-00     |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS  
 FOR TRAFFIC STAGING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

|   |         |                    |              |           |
|---|---------|--------------------|--------------|-----------|
| F.A.P. RTE.                                     | SECTION | COUNTY             | TOTAL SHEETS | SHEET NO. |
| 339   | 116R-N  | COOK               | 69           | 68        |
| TC-16   |         | CONTRACT NO. 60X88 |              |           |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |         |                    |              |           |



**NOTES:**

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

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

|  |                              |            |                                 |
|--|------------------------------|------------|---------------------------------|
| FILE NAME =                                | USER NAME = midyja           | DESIGNED - | REVISED - R. MIRS 09-15-97      |
| et:\pwork\pwork\midyja\0299678\DistStd.dgn |                              | DRAWN -    | REVISED - R. MIRS 12-11-97      |
|  | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - T. RAMMACHER 02-02-99 |
|  | PLOT DATE = 5/15/2015        | DATE -     | REVISED - C. JUCIUS 01-31-07    |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

|   |         |        |                    |           |
|---|---------|--------|--------------------|-----------|
| F.A.P. RTE.                                     | SECTION | COUNTY | TOTAL SHEETS       | SHEET NO. |
| 339   | 116R-N  | COOK   | 69                 | 69        |
| TC-22   |         |        | CONTRACT NO. 60X88 |           |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |         |        |                    |           |