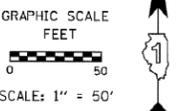
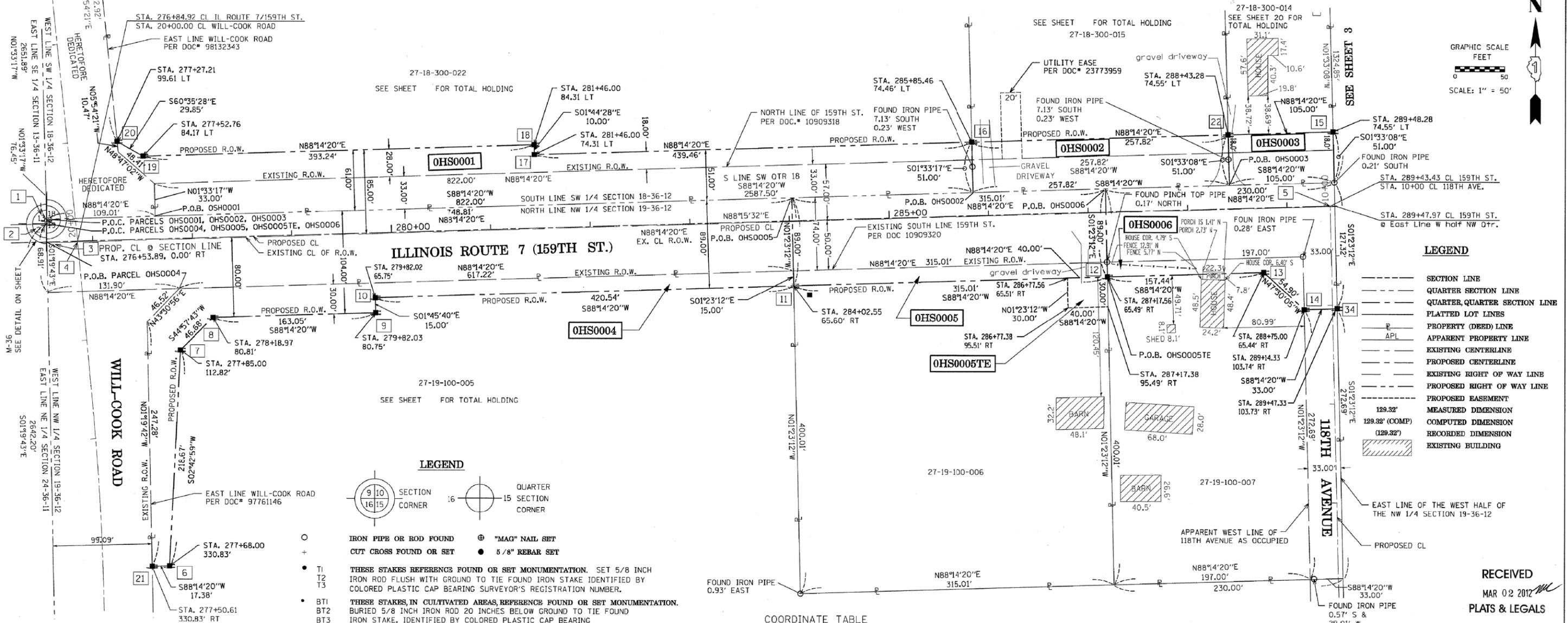
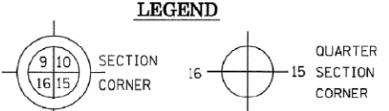


PART OF THE NW 1/4 OF SECTION 19 & THE SW 1/4 OF SECTION 18, TWP. 36 N., R.12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER 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
- PROPOSED EASEMENT
- 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**

THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.

THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.

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 SURVEYOR'S REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

COORDINATE TABLE

NUMBER	NORTHING	EASTING	NUMBER	NORTHING	EASTING	NUMBER	NORTHING	EASTING
1	1797251.29	1099877.97	11	1797185.33	1100628.58	21	1796900.42	1099985.00
2	1797246.70	1099877.84	12	1797195.01	1100943.44	22	1797338.81	1101064.85
3	1797228.16	1099878.27	13	1797199.85	1101100.80	34	1797163.78	1101174.26
4	1797229.10	1099909.26	14	1797162.76	1101141.28			
5	1797267.34	1101167.22	15	1797342.04	1101169.80			
6	1796900.95	1100002.37	16	1797330.89	1100807.15			
7	1797119.37	1100012.74	17	1797317.38	1100367.89			
8	1797152.40	1100045.73	18	1797327.38	1100367.59			
9	1797157.41	1100208.71	19	1797315.29	1099974.53			
10	1797172.41	1100208.25	20	1797329.95	1099948.53			

Coordinates are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation. Listed coordinates are on the ground. All measured and calculated distances are on the ground.
 Combined scale factor = 0.99996258
 To obtain State Plane grid coordinates, multiply the Northing by scale factor (0.99996258) then add 67.19'.
 Multiply Easting by scale factor (0.99996258) then add 41.39'.

The IL State Plane grid coordinate for point [3] is shown below in order to confirm continuity with adjoining Plat of Highway to the West done by others.
 Grid coordinate Point #3
 N 1797228.093
 E 1099878.495
 ground scale factor = 1.00003742

STATE OF ILLINOIS)
 JSS
 COUNTY OF KANE)

THIS IS TO CERTIFY THAT I, CHRIS E. PETERSON, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 34, TOWNSHIP 39 NORTH, RANGE 13 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 _____, ILLINOIS THIS _____ DAY OF _____, 2012 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3678
 LICENSE EXPIRATION DATE: 11-30-2012



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

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	AREA TAKEN		REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SO FEET						
OSH0001	COLE TAYLOR BANK AS TRUSTEE UNDER TRUST AGREEMENT DATED JUNE 20, 1973 KNOWN AS TRUST NO. 523	13.314	1.064	-	0.623	12.250	-	-	N/A	27-18-300-022
OSH0002	NORTH STAR TRUST COMPANY AS SUCCESSOR TO PRAIRIE BANK & TRUST COMPANY AS TRUSTEE UNDER TRUST AGREEMENT DATED AUGUST 20, 1997 KNOWN AS TRUST NO. 97-057	3.921	.302	-	0.195	3.619	-	-	N/A	27-18-300-015
OSH0003	RICHARD J. GORNIAK AND CHRISTINE A. GORNIAK, HIS WIFE, IN JOINT TENANCY	1.597	0.123	-	0.080	1.474	-	-	N/A	27-18-300-014
OSH0004	STANDARD BANK & TRUST COMPANY AS SUCCESSOR TO HERITAGE STANDARD BANK & TRUST COMPANY AS TRUSTEE UNDER TRUST AGREEMENT DATED APRIL 18, 1966 KNOWN AS TRUST NO. 2860	63.920	0.453	-	-	63.467	-	-	N/A	27-19-100-005
OSH0005 OSH0005TE	ROBERT N. STAM AND LORRAINE E. STAM, AS TRUSTEES UNDER A DECLARATION OF LIVING TRUST DATED THE 3RD DAY OF DECEMBER, 2010 KNOWN AS THE ROBERT N. AND LORRAINE E. STAM DECLARATION OF LIVING TRUST	2.892	0.644	-	0.535	2.248	0.028	1,200	CONSTRUCTION	27-19-100-006
OSH0006	CHICAGO TITLE LAND TRUST COMPANY AS TRUSTEE UNDER TRUST AGREEMENT DATED SEPTEMBER 4, 1997 KNOWN AS TRUST NO. 97-4271	2.112	0.517	-	0.335	1.595	-	-	N/A	27-19-100-007

REVISION DATE: FEB. 22, 2012

CONTRACT NO. 60L71 SHEET 601 OF 1232 MADE BY: GEP

RECEIVED
 MAR 02 2012
 PLATS & LEGALS

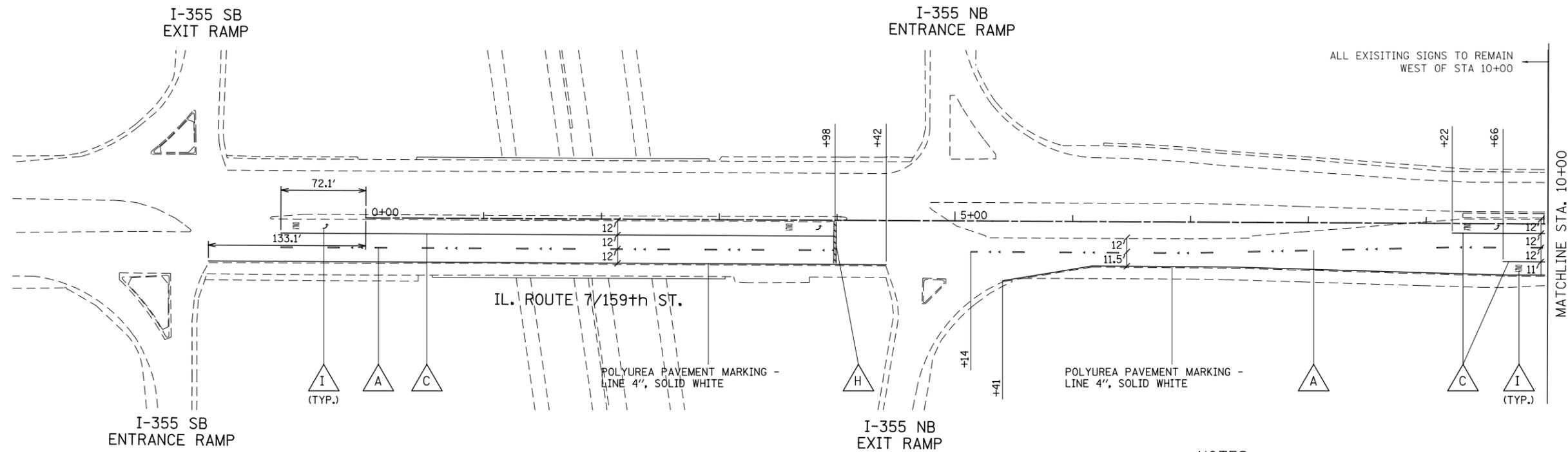
ENGINEERING ENTERPRISES, INC.
 CONSULTING ENGINEERS & LAND SURVEYORS
 52 WHEELER ROAD
 SUGAR GROVE, ILLINOIS 60554
 PH. (630) 466-6700 / www.eelweb.com

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 US ROUTE 6 / IL ROUTE 7 (159th ST.)
 WILL COOK RD.
 COUNTY: COOK
 LIMITS: TO US 45
 PROJECT: 159th
 JOB NO.: R-90-028-11
 STATION 276+53.89
 TO STATION 289+50
 SCALE: 1"=50'
 SHEET 2 OF

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

SYMBOL LEGEND

- INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- ① REGULATORY SIGN (R SERIES)
- ◇ 1 WARNING SIGN (W SERIES)
- ① 1 GUIDE SIGN (D/M SERIES)
- ① 1 SPECIAL/OTHER SIGNS

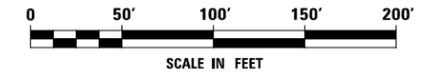


PAVEMENT MARKING LEGEND

- | | | |
|---|---|---|
| A POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) | H POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE | R THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) |
| B POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | I POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS | S THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) |
| C POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) | J THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE | T THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) |
| D POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) | K THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE | U THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) |
| E POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE | L THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | V THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW |
| F POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | M THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE | W THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6) |
| G POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE | N THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE | X THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C) |
| | O THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS | |
| | P THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | |

NOTES

- AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
- PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS TC-11 AND TC-13.
- SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
- ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
- ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
- FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.



FILE NAME = D:\60L71-shr-pmk_01.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 1 OF 29 SHEETS STA. 00+00 TO STA. 10+00

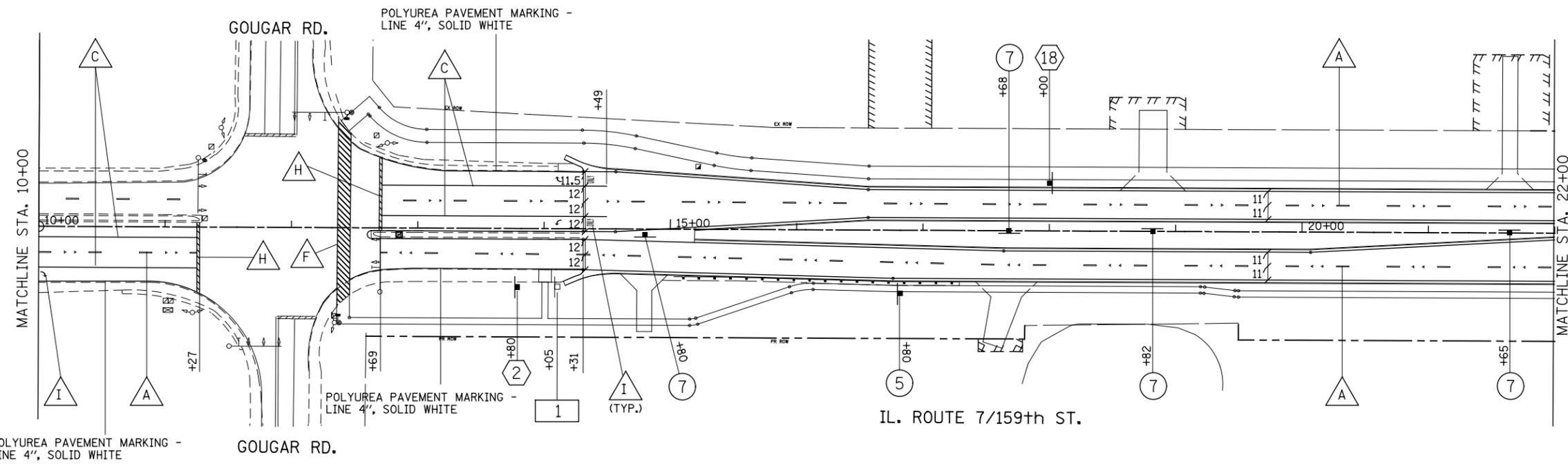
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	602
CONTRACT NO. 60L71			ILLINOIS FED. AID PROJECT	

SYMBOL LEGEND

- ①* INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- ① REGULATORY SIGN (R SERIES)
- ① WARNING SIGN (W SERIES)
- ① GUIDE SIGN (D/M SERIES)
- ① SPECIAL/OTHER SIGNS

SIGN LEGEND

- ⑤ **SPEED LIMIT 45** R2-1-3036 (45 MPH)
- ② **NORTH ILLINOIS 7** M3-1-2412 M1-I100-24
- ① **SPECIAL-PACE 832-18 RELOCATE SIGN PANEL ASSEMBLY TYPE A**
- ⑦ **ONE WAY** R6-2R-2430
- ⑱ **Gougar Rd** D3-1-6018

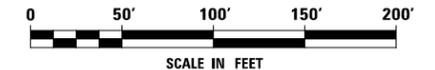


PAVEMENT MARKING LEGEND

- | | | |
|--|--|--|
| △ A POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) | △ H POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE | △ R THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) |
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| △ C POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) | △ J THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE | △ T THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) |
| △ D POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) | △ K THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE | △ U THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) |
| △ E POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE | △ L THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | △ V THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW |
| △ F POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | △ M THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE | △ W THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6) |
| △ G POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE | △ N THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE | △ X THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C) |
| | △ O THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS | |
| | △ P THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | |

NOTES

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3. SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
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5. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.



FILE NAME = D:\6071\shtr\mk_02.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 2 OF 29 SHEETS STA. 10+00 TO STA. 22+00

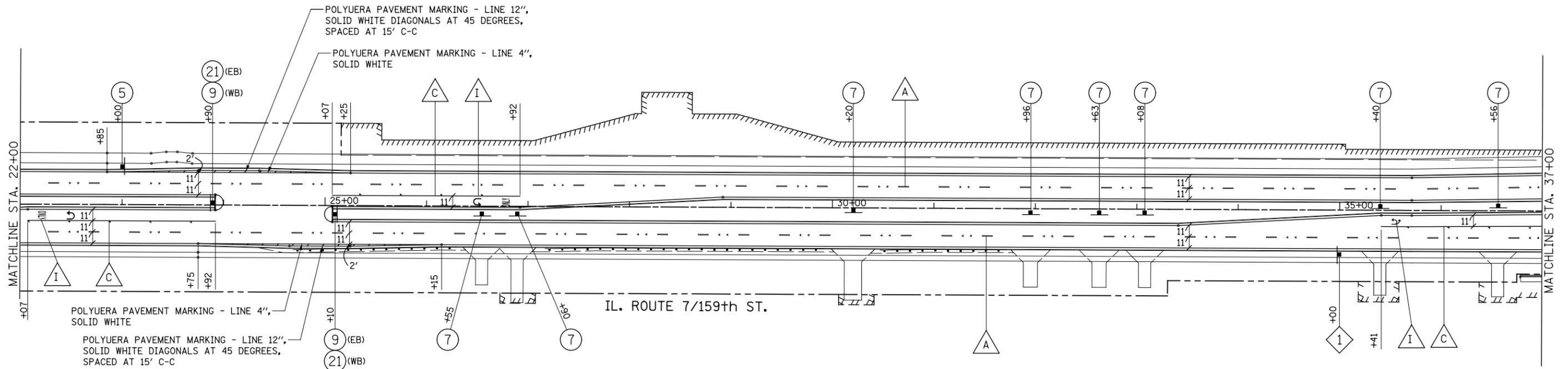
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	603
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

SYMBOL LEGEND

- ① * INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- ① REGULATORY SIGN (R SERIES)
- ① WARNING SIGN (W SERIES)
- ① GUIDE SIGN (D/M SERIES)
- ① SPECIAL/OTHER SIGNS

SIGN LEGEND

- ⑤ R2-1-3036 (45 MPH)
- ⑦ R6-2R-2430
- ⑨ R4-7-3036
- ① W16-1101-36
- ②① R3-5U-3036
- R-SPECIAL-3018 (3" HWY FONT D)

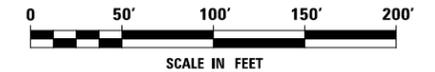


PAVEMENT MARKING LEGEND

- | | | |
|--|--|--|
| POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) | POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) |
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| POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) |
| POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW |
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| | THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS | |
| | THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | |

NOTES

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FILE NAME = D:\60L71\shtr\pmk_03.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 3 OF 29 SHEETS STA. 22+00 TO STA. 37+00

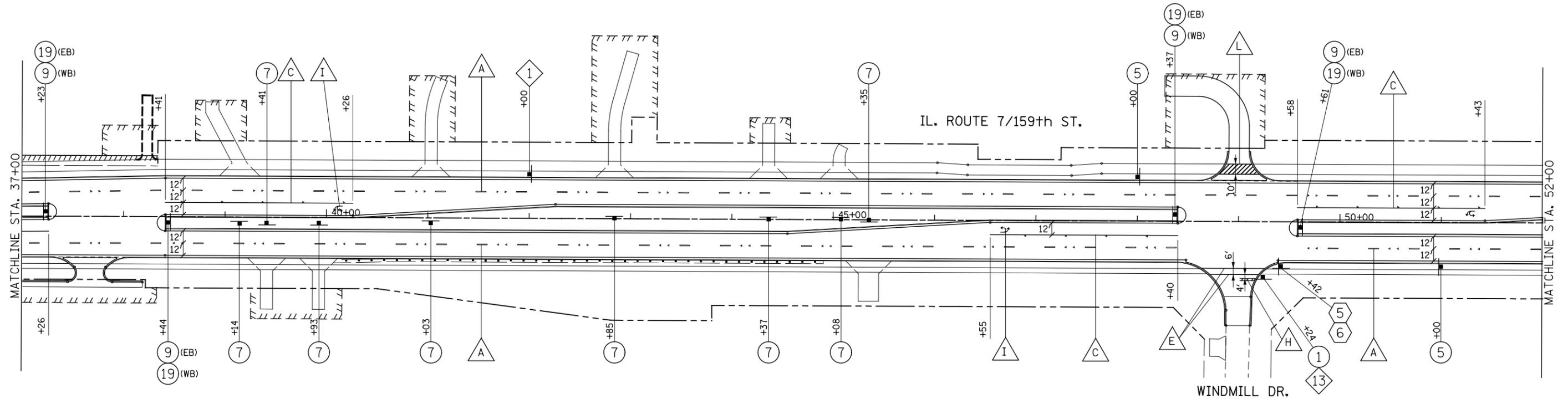
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	604
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

SYMBOL LEGEND

- ① * INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- ① REGULATORY SIGN (R SERIES)
- ① WARNING SIGN (W SERIES)
- ① GUIDE SIGN (D/M SERIES)
- ① SPECIAL/OTHER SIGNS

SIGN LEGEND

- ① R1-1-36
- ⑤ R2-1-3036 (45 MPH)
- ⑦ R6-2R-2430
- ⑨ R4-7-3036
- ⑬ W54-58-36
- ⑬ W4-I100-3618
- ⑰ R3-5(SPECIAL)-3036
- ⑰ R-SPECIAL-3018 (3" HWY FONT D)
- ⑤ D3-1-4212
- ⑥ D3-1-6012

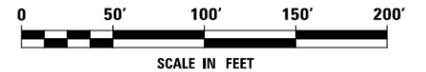


PAVEMENT MARKING LEGEND

- | | | |
|--|--|--|
| POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) | POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) |
| POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS | THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) |
| POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) | THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) |
| POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) |
| POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW |
| POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6) |
| POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C) |
| | THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS | |
| | THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | |

NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
2. PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS TC-11 AND TC-13.
3. SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
4. ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
5. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.



FILE NAME = D:\60L71-shr-pmk_04.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
DRAWN MJM	REVISOR -	
PLOT SCALE = 1:100.001	CHECKED PJO	REVISOR -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 4 OF 29 SHEETS STA. 37+00 TO STA. 52+00

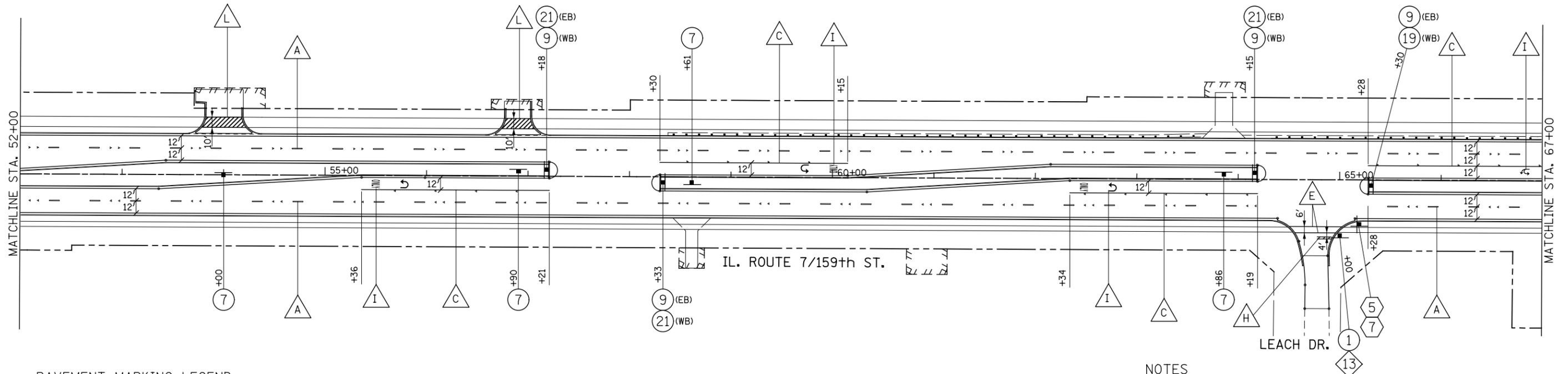
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	605
CONTRACT NO. 60L71			ILLINOIS FED. AID PROJECT	

SYMBOL LEGEND

- INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- 1 REGULATORY SIGN (R SERIES)
- 1 WARNING SIGN (W SERIES)
- 1 GUIDE SIGN (D/M SERIES)
- 1 SPECIAL/OTHER SIGNS

SIGN LEGEND

- 1 STOP R1-1-36
- 7 ONE WAY R6-2R-2430
- 9 R4-7-3036
- 19 NO U-TURN VEHICLES OVER 22 FT R3-5(SPECIAL)-3036
- 21 NO U-TURN VEHICLES OVER 22 FT R-SPECIAL-3018 (3" HWY FONT D)
- 5 159th St D3-1-4212
- 7 Leach Dr D3-1-4812
- 13 CROSS TRAFFIC DOES NOT STOP W4-I100-3618

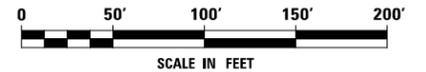


PAVEMENT MARKING LEGEND

- A POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
- B POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- C POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
- D POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED)
- E POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE
- F POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C
- G POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE
- H POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE
- I POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS
- J THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE
- K THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE
- L THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C
- M THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE
- N THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE
- O THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS
- P THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- R THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
- S THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- T THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
- U THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED)
- V THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW
- W THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6)
- X THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C)

NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
2. PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS TC-11 AND TC-13.
3. SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
4. ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
5. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.



FILE NAME = D:\60L71\shtr\mk_05.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
DRAWN MJM	REVISOR -	
PLOT SCALE = 1:100.001	CHECKED PJO	REVISOR -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 5 OF 29 SHEETS STA. 52+00 TO STA. 67+00

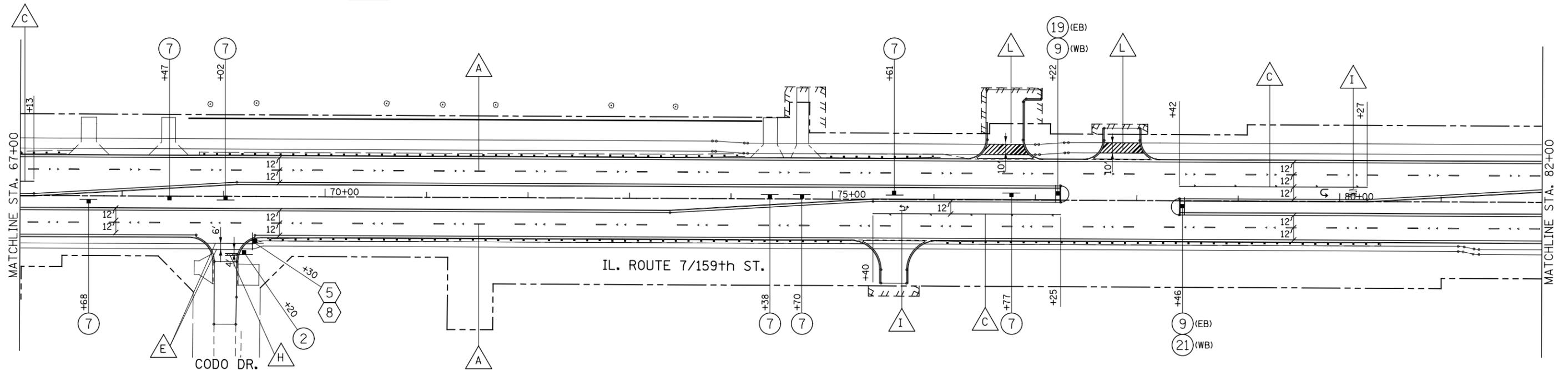
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	606
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

SYMBOL LEGEND

- ① * INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- ① REGULATORY SIGN (R SERIES)
- ① WARNING SIGN (W SERIES)
- ① GUIDE SIGN (D/M SERIES)
- ① SPECIAL/OTHER SIGNS

SIGN LEGEND

② R1-1-36	R3-5R-2430	①⑨ R3-5(SPECIAL)-3036	⑤ D3-1-4212
MOUNT ON SEPARATE POLES		R-SPECIAL-3018 (3" HWY FONT D)	⑧ D3-1-4212
⑦ R6-2R-2430	②① R3-5U-3036	R-SPECIAL-3018 (3" HWY FONT D)	
⑨ R4-7-3036			

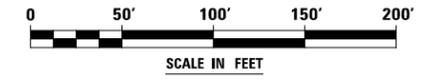


PAVEMENT MARKING LEGEND

- | | | |
|--|--|--|
| POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) | POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) |
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| POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) |
| POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW |
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| POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C) |
| | THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS | |
| | THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | |

NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
2. PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS TC-11 AND TC-13.
3. SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
4. ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
5. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.



FILE NAME = D:\60L71\shtr\pmhk_06.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
DRAWN MJM	REVISIONS	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 6 OF 29 SHEETS STA. 67+00 TO STA. 82+00

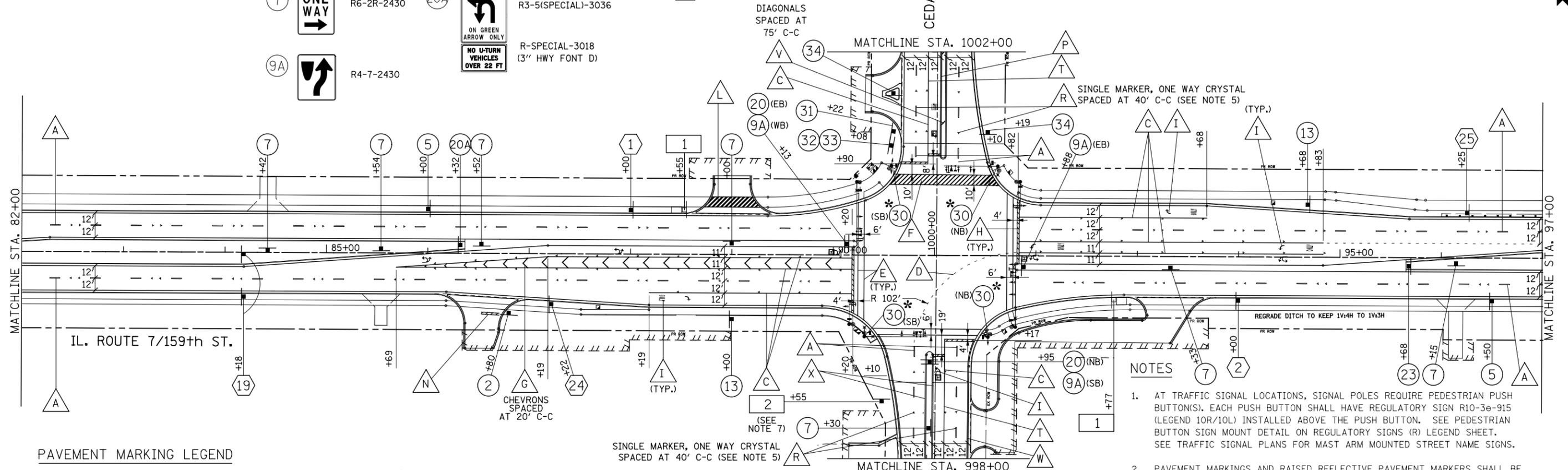
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	607
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

SYMBOL LEGEND

- 1 * INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- 1 REGULATORY SIGN (R SERIES)
- 1 WARNING SIGN (W SERIES)
- 1 GUIDE SIGN (D/M SERIES)
- 1 SPECIAL/OTHER SIGNS

SIGN LEGEND

2 R1-1-36	R3-5R-2430	13 R3-5R-3036	23 R3-8(SPECIAL)-3630	32 R5-1-30	1 M3-1-2412	2 M3-1-2412	1 SPECIAL-PAGE 832-18
R3-5R-2430	20 R3-5(SPECIAL)-2430	30 R10-30-3036	33 R3-5R-2430	19 D3-1-5418	M1-I100-24	M1-I100-24	2 S4-5-36
5 R2-1-3036 (45 MPH)	R-SPECIAL-3018 (3" HWY FONT D)	31 R1-1-30	34 R3-2-36	24 D1-1a-9618			
7 R6-2R-2430	20A R3-5(SPECIAL)-3036			25 D1-1a-9618			
9A R4-7-2430	R-SPECIAL-3018 (3" HWY FONT D)						

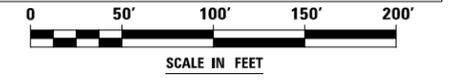


PAVEMENT MARKING LEGEND

POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)	POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE	THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)	POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)	THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE	THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE- 6' SPACE, UNLESS OTHERWISE NOTED)	THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE	THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED)
POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE	THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C	THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW
POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C	THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE	THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6)
POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE	THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE	THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C)
	THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS	
	THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)	

NOTES

- AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-36-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
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- SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
- ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
- ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
- FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.
- A VERTICAL RETROREFLECTIVE STRIP (4" W X 72" H) WITH AP SHEETING AND COLOR MATCHING THE PRIMARY FACE OF THE SIGN SHALL BE FURNISHED AND INSTALLED ON THE TELESCOPING STEEL SIGN SUPPORT AND SHALL BE IN ACCORDANCE WITH THE 2009 MUTCD. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE UNIT COST FOR TELESCOPING STEEL SIGN SUPPORT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



FILE NAME = D:\60L71-shr-pmk_07.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
DRAWN MJM	CHECKED PJO	REVISED -
PLOT SCALE = 1:100.001	DATE 11/07/2014	REVISED -
PLOT DATE = 11/7/2014		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 7 OF 29 SHEETS STA. 82+00 TO STA. 97+00

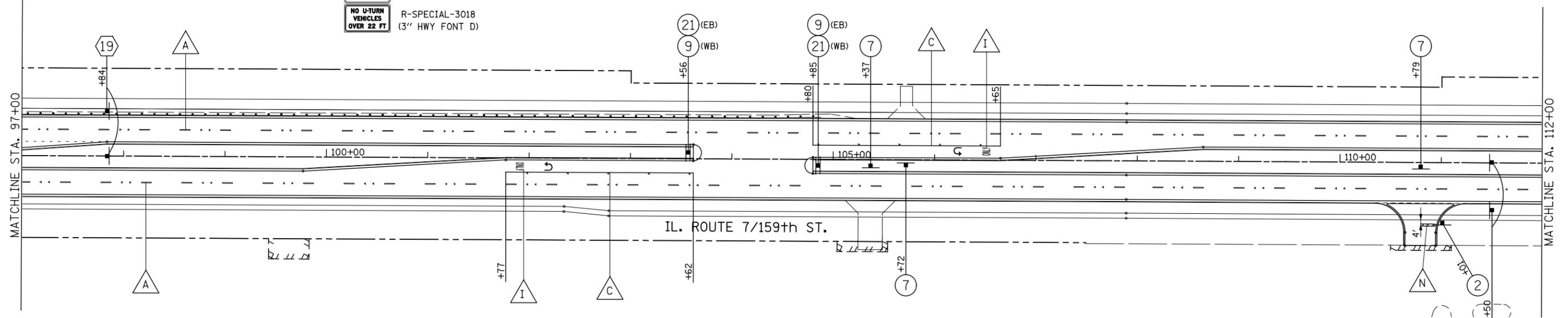
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	608
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

SYMBOL LEGEND

- ① * INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- ① REGULATORY SIGN (R SERIES)
- ① WARNING SIGN (W SERIES)
- ① GUIDE SIGN (D/M SERIES)
- ① SPECIAL/OTHER SIGNS

SIGN LEGEND

- ② R1-1-36 R3-5R-2430
- MOUNT ON SEPARATE POLES
- ⑦ R6-2R-2430
- ⑨ R4-7-3036
- ②① R3-5U-3036
- R-SPECIAL-3018 (3" HWY FONT D)
- ①⑨ D3-1-5418
- ③ W2-1-36
- W16-8aP-4215

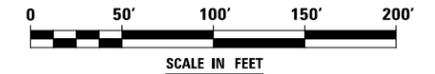


PAVEMENT MARKING LEGEND

- POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
- POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
- POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED)
- POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE
- POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C
- POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE
- POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE
- POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS
- THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE
- THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE
- THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C
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- THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
- THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED)
- THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW
- THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6)
- THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C)

NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
2. PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS TC-11 AND TC-13.
3. SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
4. ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
5. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.



FILE NAME = D:\60L71\shtr\pmk_08.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 8 OF 29 SHEETS STA. 97+00 TO STA. 112+00

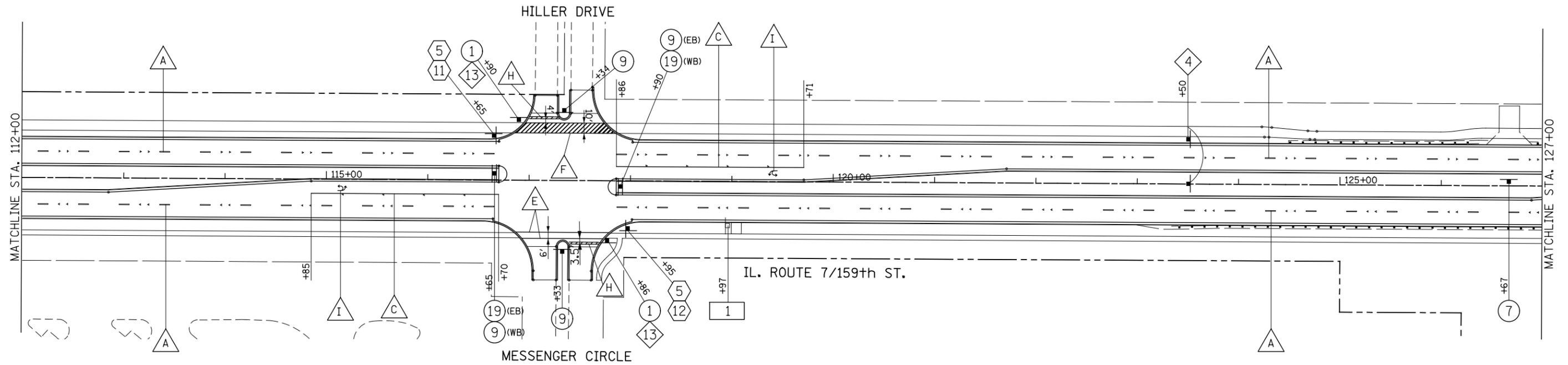
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	609
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

SYMBOL LEGEND

- INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- 1 REGULATORY SIGN (R SERIES)
- 1 WARNING SIGN (W SERIES)
- 1 GUIDE SIGN (D/M SERIES)
- 1 SPECIAL/OTHER SIGNS

SIGN LEGEND

- 1 STOP R1-1-36
- 9 NO U-TURN VEHICLES OVER 22 FT R-SPECIAL-3018 (3" HWY FONT D)
- 19 ONE WAY R6-2R-2430
- 4 CROSS TRAFFIC DOES NOT STOP W4-I100-3618
- 5 159th St D3-1-4212
- 11 Hiller Dr D3-1-4212
- 12 Messenger Cir D3-1-5412
- 1 SPECIAL-PACE 832-18 RELOCATE SIGN PANEL ASSEMBLY TYPE A

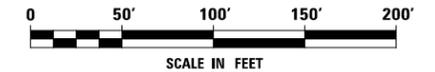


PAVEMENT MARKING LEGEND

- A POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
- B POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- C POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
- D POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED)
- E POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE
- F POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C
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- H POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE
- I POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS
- J THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE
- K THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE
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- P THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- R THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
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- V THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW
- W THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6)
- X THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C)

NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
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3. SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
4. ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
5. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.



FILE NAME = D:\60L71\shtr\pmhk_09.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
DRAWN MJM	REVISOR -	
PLOT SCALE = 1:100.001	CHECKED PJO	REVISOR -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 9 OF 29 SHEETS STA. 112+00 TO STA. 127+00

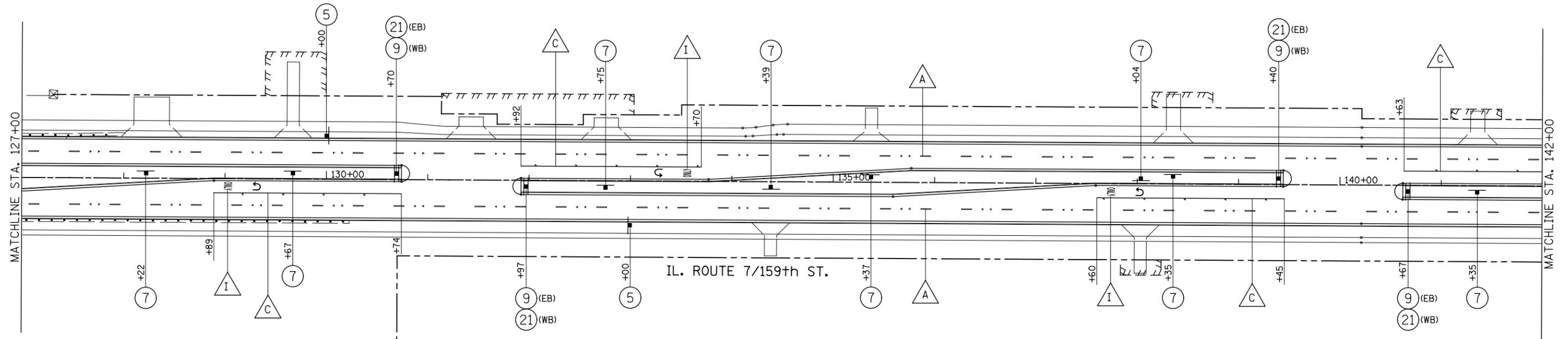
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	610
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

SYMBOL LEGEND

- INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- 1 REGULATORY SIGN (R SERIES)
- 1 WARNING SIGN (W SERIES)
- 1 GUIDE SIGN (D/M SERIES)
- 1 SPECIAL/OTHER SIGNS

SIGN LEGEND

- 5 SPEED LIMIT 45 R2-1-3036 (45 MPH)
- 7 ONE WAY R6-2R-2430
- 9 R4-7-3036
- 21 R3-5U-3036
- R-SPECIAL-3018 (3" HWY FONT D)

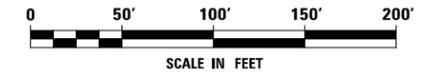


PAVEMENT MARKING LEGEND

- | | | |
|--|--|--|
| A POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) | H POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE | R THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) |
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| C POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) | J THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE | T THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) |
| D POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) | K THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE | U THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) |
| E POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE | L THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | V THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW |
| F POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | M THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE | W THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6) |
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| | O THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS | |
| | P THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | |

NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
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5. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.



FILE NAME = D:\60L71\shtr\pmk.10.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 10 OF 29 SHEETS STA. 127+00 TO STA. 142+00

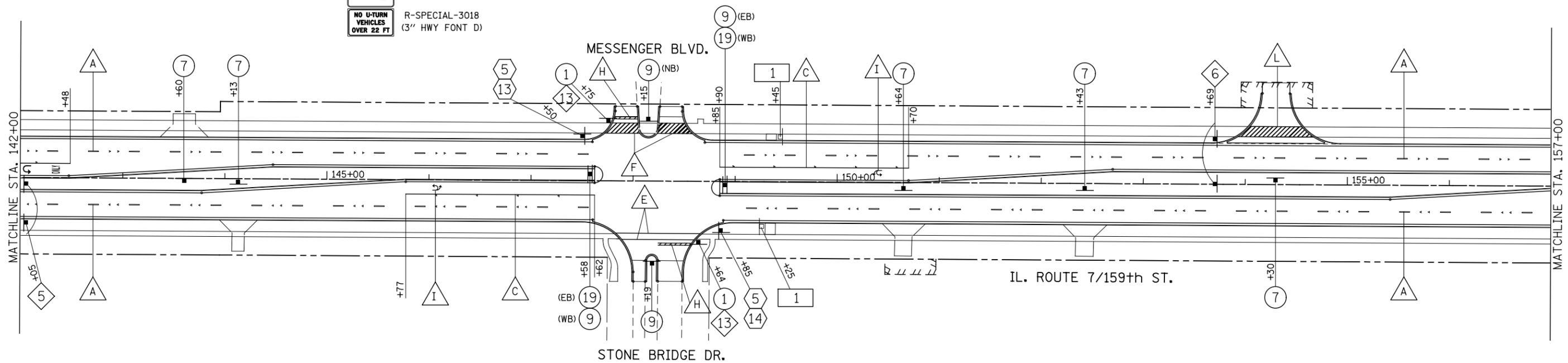
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	611
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

SYMBOL LEGEND

- INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- 1 REGULATORY SIGN (R SERIES)
- 1 WARNING SIGN (W SERIES)
- 1 GUIDE SIGN (D/M SERIES)
- 1 SPECIAL/OTHER SIGNS

SIGN LEGEND

- 1 STOP R1-1-36
- 7 ONE WAY R6-2R-2430
- 9 R4-7-3036
- 19 R3-5(SPECIAL)-3036
- R-SPECIAL-3018 (3" HWY FONT D)
- 5 W2-1-36
- 13 Messenger Blvd D3-1-6012
- 14 Stone Bridge Dr D3-1-6612
- 1 SPECIAL-PACE 832-18 RELOCATE SIGN PANEL ASSEMBLY TYPE A
- 13 CROSS TRAFFIC DOES NOT STOP W4-I100-3618
- 5 159th St D3-1-4212

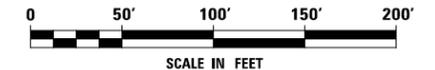


PAVEMENT MARKING LEGEND

- A POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
- B POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- C POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
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- O THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS
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- V THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW
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NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
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FILE NAME = D:\60L71\shb\pmhk_11.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 10/21/2014	DATE 10/21/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 11 OF 29 SHEETS STA. 142+00 TO STA. 157+00

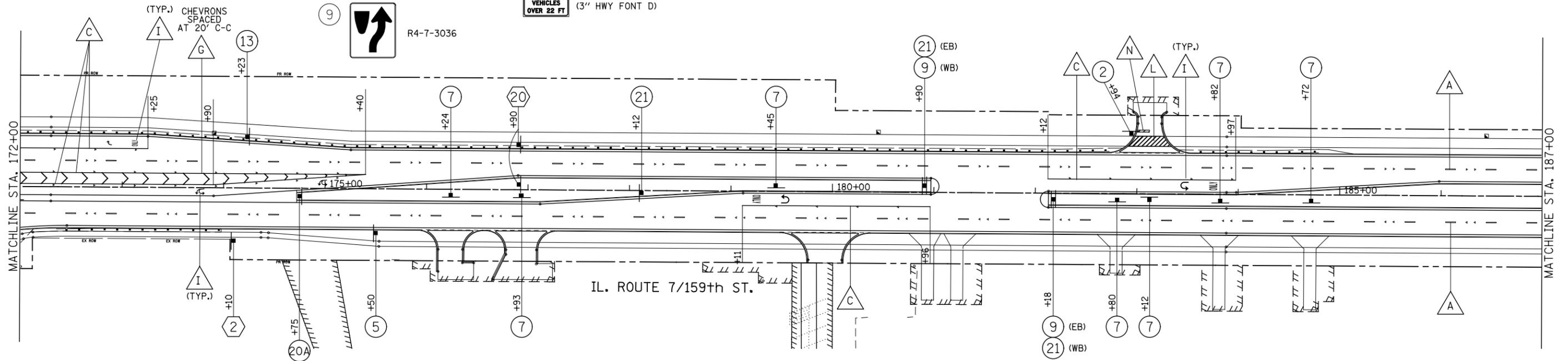
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	612
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

SYMBOL LEGEND

- ① * INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- ① REGULATORY SIGN (R SERIES)
- ① WARNING SIGN (W SERIES)
- ① GUIDE SIGN (D/M SERIES)
- ① SPECIAL/OTHER SIGNS

SIGN LEGEND

- ② STOP R1-1-36 MOUNT ON SEPARATE POLES R3-5R-2430
- ② ONLY R3-5R-3036
- ② NORTH ILLINOIS 7 M3-1-2412 M1-I100-24
- ② Parker Rd D3-1-6018
- ⑤ SPEED LIMIT 45 R2-1-3036 (45 MPH)
- ⑦ ONE WAY R6-2R-2430
- ⑨ ONLY R4-7-3036
- ⑬ ONLY R3-5R-3036
- ⑬ ON GREEN ARROW ONLY NO U-TURN VEHICLES OVER 22 FT R3-5(SPECIAL)-3036 R-SPECIAL-3018 (3" HWY FONT D)
- ⑰ ONLY R3-5U-3036
- ⑰ NO U-TURN VEHICLES OVER 22 FT R-SPECIAL-3018 (3" HWY FONT D)
- ⑰ (EB) ⑨ (WB)

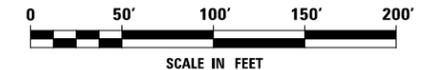


PAVEMENT MARKING LEGEND

- A POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
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- N THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE
- O THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS
- P THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- R THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
- S THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- T THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
- U THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED)
- V THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW
- W THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6)
- X THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C)

NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
2. PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS TC-11 AND TC-13.
3. SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
4. ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
5. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.



FILE NAME = D:\60L71\shtr\pmk\13.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 13 OF 29 SHEETS STA. 172+00 TO STA. 187+00

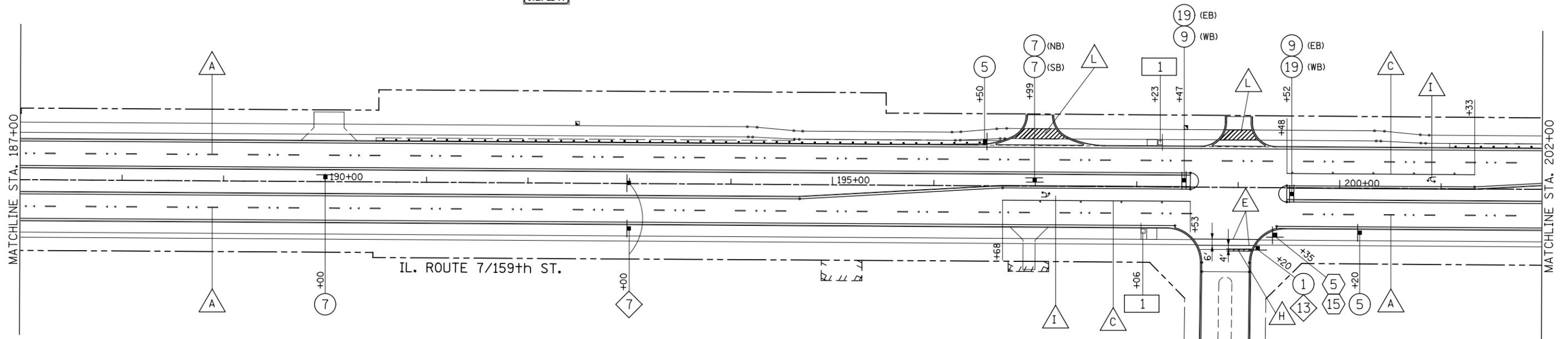
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	614
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

SYMBOL LEGEND

- ① * INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- ① REGULATORY SIGN (R SERIES)
- ① WARNING SIGN (W SERIES)
- ① GUIDE SIGN (D/M SERIES)
- ① SPECIAL/OTHER SIGNS

SIGN LEGEND

- ① STOP R1-1-36
- ⑤ SPEED LIMIT 45 R2-1-3036 (45 MPH)
- ⑦ ONE WAY R6-2R-2430
- ⑦ T W2-2R-36
- ⑦ Hidden Valley Tr W16-8aP-489
- ⑨ R4-7-3036
- ⑬ CROSS TRAFFIC DOES NOT STOP W4-I100-3618
- ⑤ 159th St D3-1-4212
- ⑮ Hidden Valley Tr D3-1-6612
- ① SPECIAL-PACE 832-18 RELOCATE SIGN PANEL ASSEMBLY TYPE A
- ⑰ R3-5(SPECIAL)-3036
- R-SPECIAL-3018 (3" HWY FONT D)

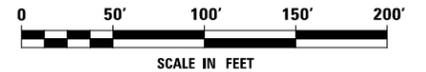


PAVEMENT MARKING LEGEND

- A POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
- B POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- C POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
- D POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED)
- E POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE
- F POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C
- G POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE
- H POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE
- I POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS
- J THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE
- K THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE
- L THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C
- M THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE
- N THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE
- O THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS
- P THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- R THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
- S THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- T THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
- U THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED)
- V THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW
- W THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6)
- X THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C)

HIDDEN VALLEY TRAIL NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
2. PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS TC-11 AND TC-13.
3. SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
4. ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
5. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.



FILE NAME = D:\60L71\shtr\mkh_14.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 14 OF 29 SHEETS STA. 187+00 TO STA. 202+00

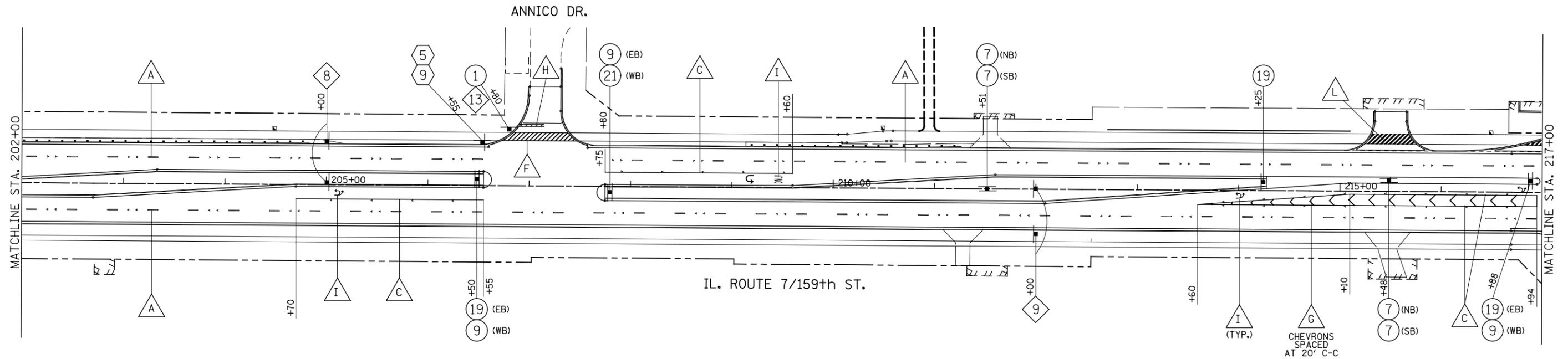
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	615
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

SYMBOL LEGEND

- INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- 1 REGULATORY SIGN (R SERIES)
- 1 WARNING SIGN (W SERIES)
- 1 GUIDE SIGN (D/M SERIES)
- 1 SPECIAL/OTHER SIGNS

SIGN LEGEND

1 R1-1-36	19 R3-5(SPECIAL)-3036	8 W2-2L-36	5 D3-1-4212
7 R6-2R-2430	R-SPECIAL-3018 (3" HWY FONT D)	W16-8aP-489	9 D3-1-4812
9 R4-7-3036	21 R3-5U-3036	9 W2-1-36	13 W4-I100-3618
	R-SPECIAL-3018 (3" HWY FONT D)	W16-8aP-429	

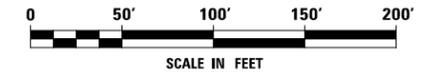


PAVEMENT MARKING LEGEND

- | | | |
|--|--|--|
| POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) | POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) |
| POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS | THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) |
| POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) | THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) |
| POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) |
| POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW |
| POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6) |
| POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C) |
| | THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS | |
| | THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | |

NOTES

- AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
- PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS TC-11 AND TC-13.
- SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
- ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
- ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
- FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.



FILE NAME = D:\60L71\shtr\mkh.15.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 15 OF 29 SHEETS STA. 202+00 TO STA. 217+00

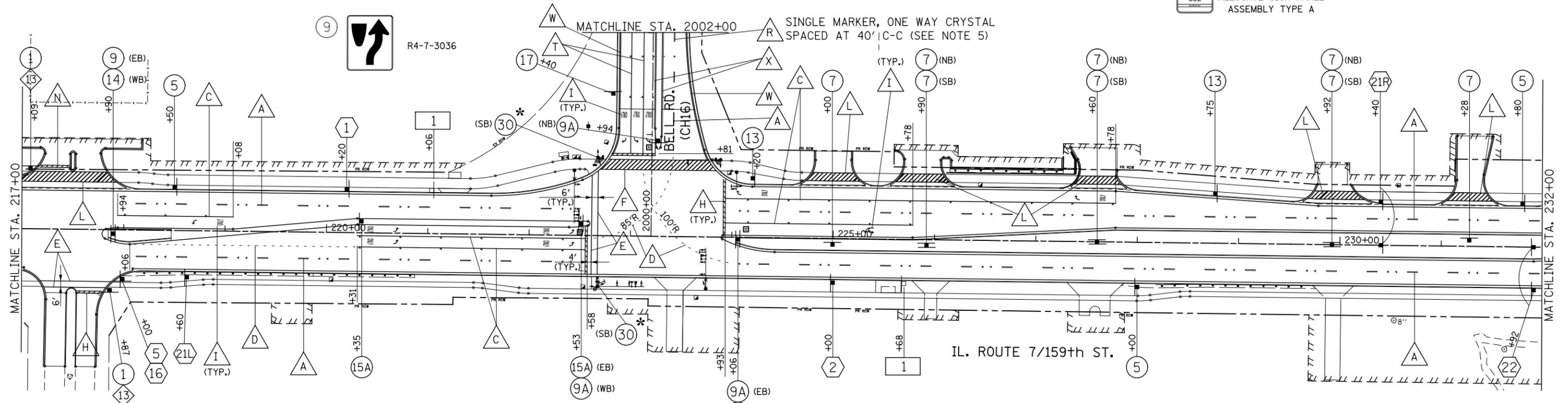
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	616
CONTRACT NO. 60L71			ILLINOIS FED. AID PROJECT	

SYMBOL LEGEND

- ① * INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- ① REGULATORY SIGN (R SERIES)
- ① WARNING SIGN (W SERIES)
- ① GUIDE SIGN (D/M SERIES)
- ① SPECIAL/OTHER SIGNS

SIGN LEGEND

① STOP R1-1-36	⑨A R4-7-2430	⑮A R3-8-3030	⑮ SOUTH ILLINOIS 7 M3-1-2412	⑤ 159th St D3-1-4212
⑤ SPEED LIMIT 45 R2-1-3036 (45 MPH)	⑬ R3-5R-3036	⑰ R3-8a-4830	M1-I100-24	⑮ Oak Valley Tr D3-1-6012
⑦ ONE WAY R6-2R-2430	⑭ R3-5L-3036	⑳ R3-SPECIAL-2430	② NORTH ILLINOIS 7 M3-1-2412	⑮R Bell Road → D3-1-6018
⑨ R4-7-3036	⑳ RIGHT TURN ON RED MUST YIELD TO U-TURN R10-30-3036	⑬ NO U-TURN VEHICLES OVER 22 FT R-SPECIAL-3018 (3" HWY FONT D)	M1-I100-24	⑮L ← Bell Road D3-1-6018
		⑬ CROSS TRAFFIC DOES NOT STOP W4-I100-3618	② SPECIAL-PACE 832-18 RELOCATE SIGN PANEL ASSEMBLY TYPE A	⑮ South Bell Rd D3-1-7818

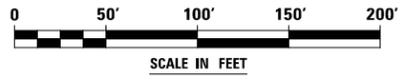


OAK VALLEY TRAIL PAVEMENT MARKING LEGEND

- | | | |
|--|--|--|
| ① POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) | ⑨ POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE | ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) |
| ② POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | ⑩ THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS | ⑯ THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) |
| ③ POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) | ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE | ⑰ THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) |
| ④ POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE- 6' SPACE, UNLESS OTHERWISE NOTED) | ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE | ⑱ THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) |
| ⑤ POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE | ⑬ THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE | ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID YELLOW |
| ⑥ POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | ⑭ THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE | ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW |
| ⑦ POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE | ⑯ THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS | ㉒ THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6) |
| | ⑰ THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | ㉓ THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C) |

NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
2. PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS TC-11 AND TC-13.
3. SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
4. ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
5. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.



FILE NAME = D:\6071\shtr\pkm\16.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING ILLINOIS ROUTE 7	
SCALE: AS SHOWN	SHEET NO. 16 OF 29 SHEETS
STA. 217+00	TO STA. 232+00

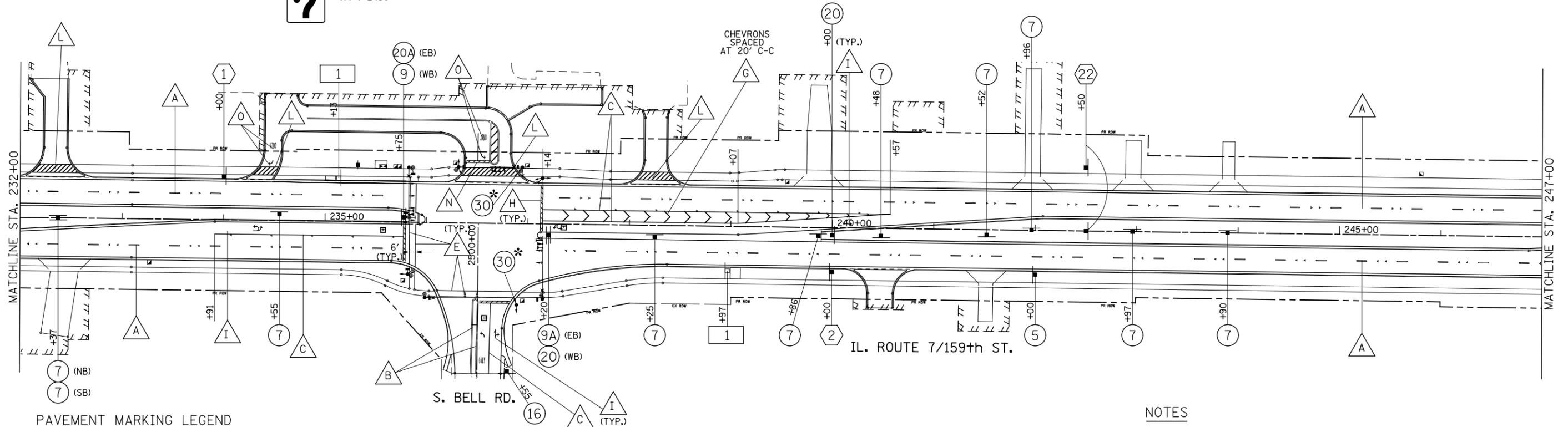
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	617
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

SYMBOL LEGEND

- 1* INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- 1 REGULATORY SIGN (R SERIES)
- 1 WARNING SIGN (W SERIES)
- 1 GUIDE SIGN (D/M SERIES)
- 1 SPECIAL/OTHER SIGNS

SIGN LEGEND

- 5 SPEED LIMIT 45 (45 MPH) R2-1-3036 (45" MPH)
- 7 ONE WAY R6-2R-2430
- 9 R4-7-3036
- 9A R4-7-2430
- 16 ONLY R3-8-30
- 20A ON GREEN ARROW ONLY NO U-TURN VEHICLES OVER 22 FT R3-5(SPECIAL)-3036
- 20 ON GREEN ARROW ONLY NO U-TURN VEHICLES OVER 22 FT R-SPECIAL-3018 (3" HWY FONT D)
- 30 R10-30-3036
- 1 SOUTH ILLINOIS 7 M3-1-2412 M1-I100-24
- 2 NORTH ILLINOIS 7 M3-1-2412 M1-I100-24
- 22 South Bell Rd D3-1-7818
- 1 SPECIAL-PACE 832-18 RELOCATE SIGN PANEL ASSEMBLY TYPE A

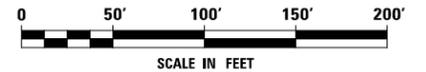


PAVEMENT MARKING LEGEND

- A POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
- B POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- C POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
- D POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED)
- E POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE
- F POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C
- G POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE
- H POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE
- I POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS
- J THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE
- K THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE
- L THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C
- M THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE
- N THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE
- O THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS
- P THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- R THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
- S THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- T THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
- U THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED)
- V THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW
- W THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6)
- X THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C)

NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
2. PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS TC-11 AND TC-13.
3. SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
4. ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
5. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.



FILE NAME = D:\60L71-shr-pmk-17.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 17 OF 29 SHEETS STA. 232+00 TO STA. 247+00

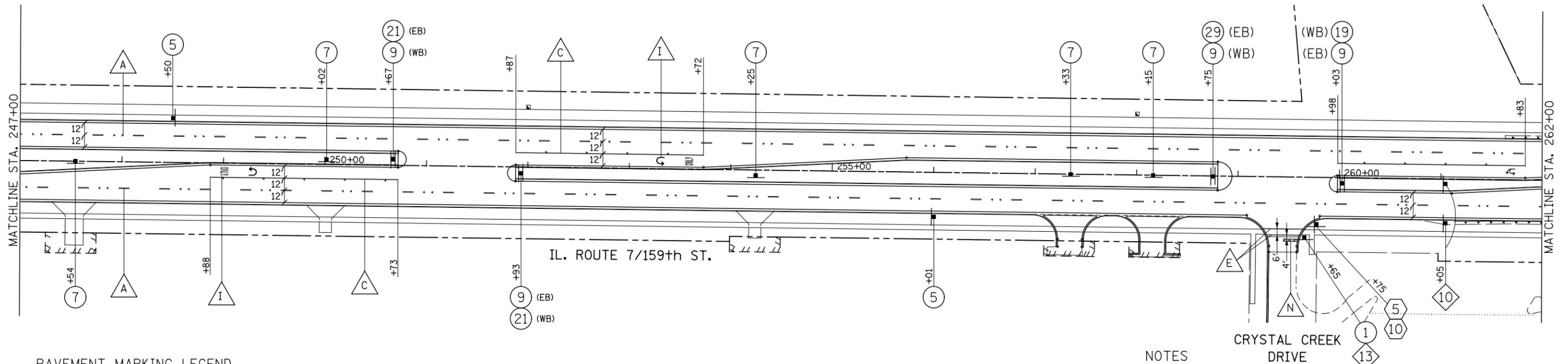
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	618
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

SYMBOL LEGEND

- INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- 1 REGULATORY SIGN (R SERIES)
- 1 WARNING SIGN (W SERIES)
- 1 GUIDE SIGN (D/M SERIES)
- 1 SPECIAL/OTHER SIGNS

SIGN LEGEND

1		R1-1-36	9		R4-7-3036	21		R3-5U-3036	10		W2-2L-36	13		W4-I100-3618
5		R2-1-3036 (45 MPH)	19		R3-5(SPECIAL)-3036			R-SPECIAL-3018 (3" HWY FONT D)	5		D3-1-4212			
7		R6-2R-2430			R-SPECIAL-3018 (3" HWY FONT D)	29		R3-4-36	10		D3-1-6612			

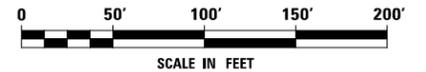


PAVEMENT MARKING LEGEND

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NOTES

- AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
- PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS TC-11 AND TC-13.
- SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
- ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
- ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
- FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.



FILE NAME = D:\60L71\shtr\mkh.18.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 18 OF 29 SHEETS STA. 247+00 TO STA. 262+00

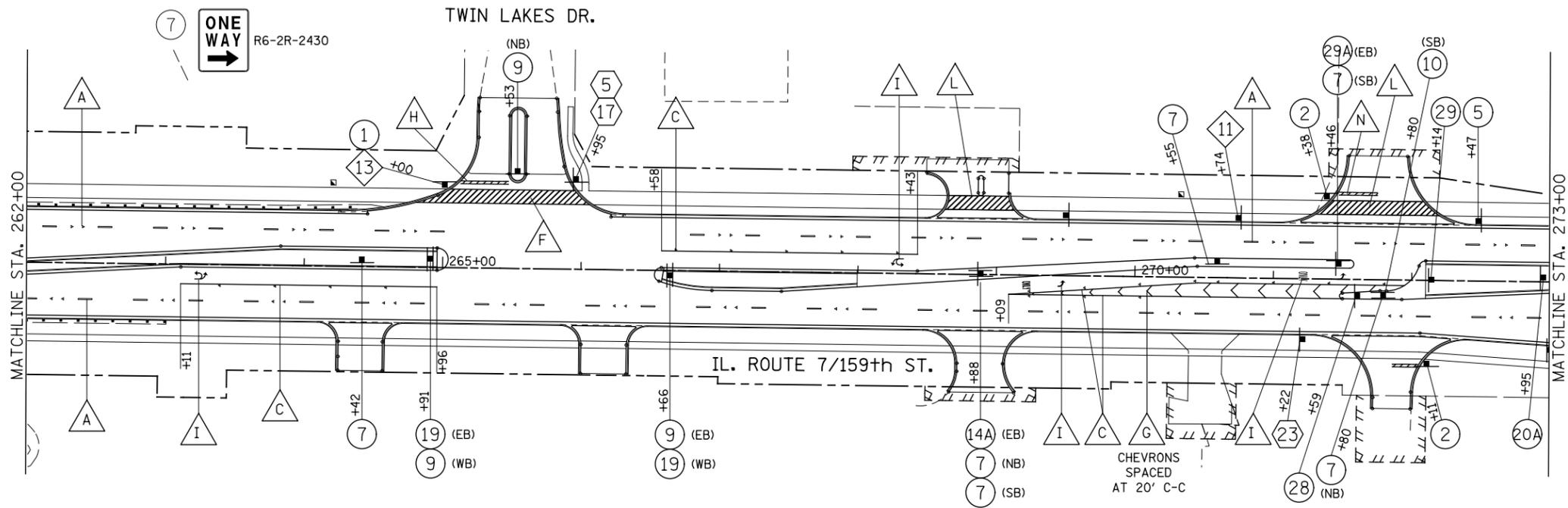
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	619
CONTRACT NO. 60L71			ILLINOIS FED. AID PROJECT	

SYMBOL LEGEND

- ① * INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- ① REGULATORY SIGN (R SERIES)
- ① WARNING SIGN (W SERIES)
- ① GUIDE SIGN (D/M SERIES)
- ① SPECIAL/OTHER SIGNS

SIGN LEGEND

① R1-1-36	⑨ R4-7-3036	⑲ R3-5(SPECIAL)-3036	⑳ R3-I100-24	⑪ W2-2R-36	⑬ W4-I100-3618
② R1-1-36	⑩ R5-1-36	⑳ R3-5(SPECIAL)-3036	⑳ R3-4-36	⑤ D3-1-4212	
⑤ R2-1-3036 (45 MPH)	⑭ R3-5L-2430	⑳ R3-5(SPECIAL)-3036	⑲ R3-4-24	⑬ D3-1-6012	
⑦ R6-2R-2430				⑳ D3-1-7218	

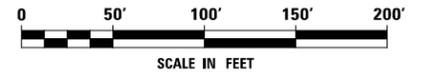


PAVEMENT MARKING LEGEND

- | | | |
|--|--|--|
| POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) | POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) |
| POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS | THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) |
| POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) | THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) |
| POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE- 6' SPACE, UNLESS OTHERWISE NOTED) | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) |
| POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW |
| POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6) |
| POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C) |
| | THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS | |
| | THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | |

NOTES

- AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
- PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS TC-11 AND TC-13.
- SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
- ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
- ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
- FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.



FILE NAME = D:\6071\shtr\mk_19.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
DRAWN MJM	REVISOR -	
PLOT SCALE = 1:100.001	CHECKED PJO	REVISOR -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 19 OF 29 SHEETS STA. 262+00 TO STA. 273+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	620
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

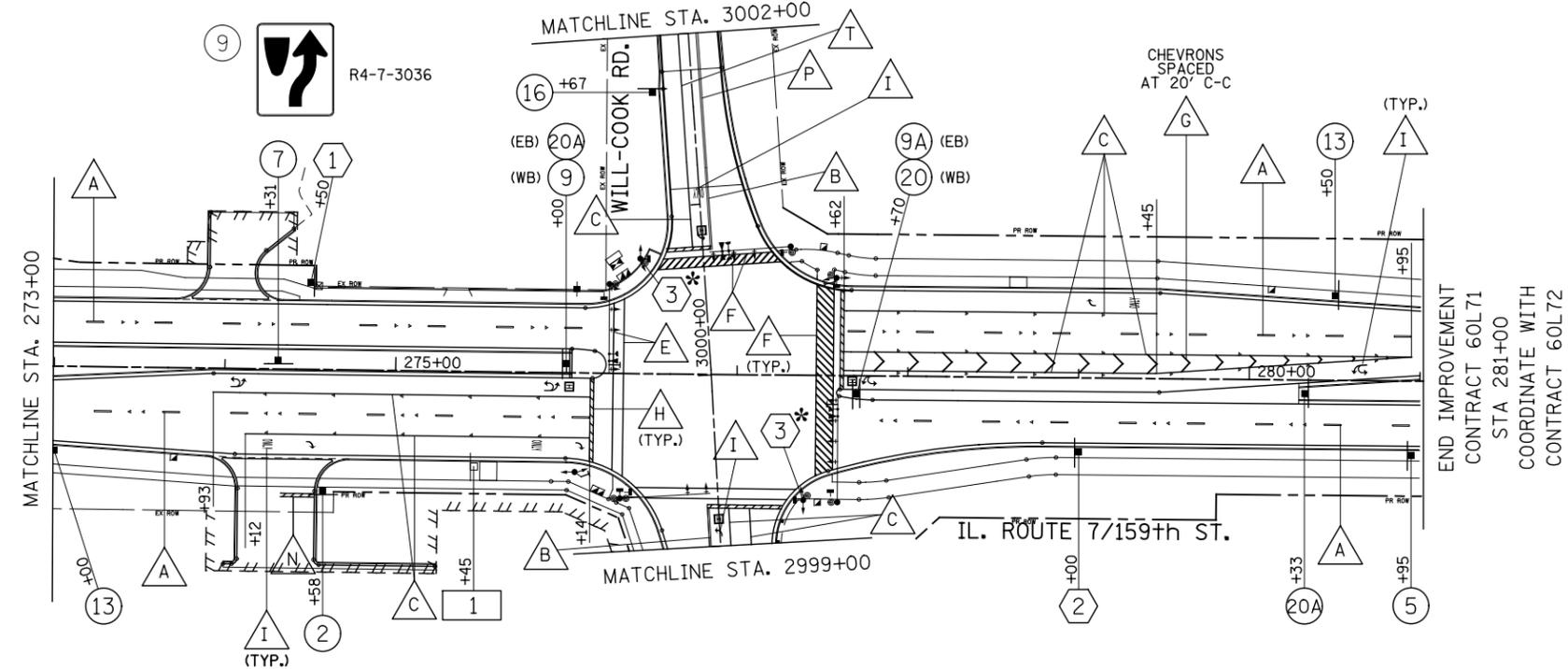
SYMBOL LEGEND

- ① * INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- ① REGULATORY SIGN (R SERIES)
- ① WARNING SIGN (W SERIES)
- ① GUIDE SIGN (D/M SERIES)
- ① SPECIAL/OTHER SIGNS

SIGN LEGEND

- ② STOP R1-1-36 MOUNT ON SEPARATE POLES R3-5R-2430
- ③ ONLY R3-5R-3036
- ④ ON GREEN ARROW ONLY NO U-TURN VEHICLES OVER 22 FT R3-5(SPECIAL)-3036
- ⑤ SPEED LIMIT 45 R2-1-3036 (45 MPH)
- ⑥ SOUTH ILLINOIS 7 M3-1-2412 M1-I100-24
- ⑦ ONE WAY R6-2R-2430
- ⑧ ON GREEN ARROW ONLY NO U-TURN VEHICLES OVER 22 FT R-SPECIAL-3018 (3" HWY FONT D)
- ⑨ R4-7-3036
- ⑩ ONLY R3-8-30
- ⑪ NORTH ILLINOIS 7 M3-1-2412 M1-I100-24
- ⑫ ON GREEN ARROW ONLY NO U-TURN VEHICLES OVER 22 FT R3-5(SPECIAL)-2430
- ⑬ SOUTH ILLINOIS 7 M3-1-2412 M1-I100-24
- ⑭ R-SPECIAL-3018 (3" HWY FONT D)
- ⑮ CHEVRONS SPACED AT 20' C-C
- ⑯ ILLINOIS 7 M1-I100-24 M6-4-2115
- ⑰ R-SPECIAL-3018 (3" HWY FONT D)
- ⑱ R-SPECIAL-3018 (3" HWY FONT D)
- ⑳ R-SPECIAL-3018 (3" HWY FONT D)
- ㉑ R-SPECIAL-3018 (3" HWY FONT D)
- ㉒ R-SPECIAL-3018 (3" HWY FONT D)
- ㉓ R-SPECIAL-3018 (3" HWY FONT D)
- ㉔ R-SPECIAL-3018 (3" HWY FONT D)
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- ㉗ R-SPECIAL-3018 (3" HWY FONT D)
- ㉘ R-SPECIAL-3018 (3" HWY FONT D)
- ㉙ R-SPECIAL-3018 (3" HWY FONT D)
- ㉚ R-SPECIAL-3018 (3" HWY FONT D)
- ㉛ R-SPECIAL-3018 (3" HWY FONT D)
- ㉜ R-SPECIAL-3018 (3" HWY FONT D)
- ㉝ R-SPECIAL-3018 (3" HWY FONT D)
- ㉞ R-SPECIAL-3018 (3" HWY FONT D)
- ㉟ R-SPECIAL-3018 (3" HWY FONT D)
- ㊱ R-SPECIAL-3018 (3" HWY FONT D)
- ㊲ R-SPECIAL-3018 (3" HWY FONT D)
- ㊳ R-SPECIAL-3018 (3" HWY FONT D)
- ㊴ R-SPECIAL-3018 (3" HWY FONT D)
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- ㊾ R-SPECIAL-3018 (3" HWY FONT D)
- ㊿ R-SPECIAL-3018 (3" HWY FONT D)

1 pace 832 SPECIAL-PACE 832-18 RELOCATE SIGN PANEL ASSEMBLY TYPE A

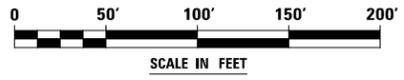


PAVEMENT MARKING LEGEND

- A POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
- B POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- C POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
- D POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE- 6' SPACE, UNLESS OTHERWISE NOTED)
- E POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE
- F POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C
- G POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE
- H POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE
- I POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS
- J THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE
- K THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE
- L THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C
- M THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE
- N THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE
- O THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS
- P THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- R THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
- S THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- T THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
- U THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED)
- V THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW
- W THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6)
- X THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C)

NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
2. PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS TC-11 AND TC-13.
3. SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
4. ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
5. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.

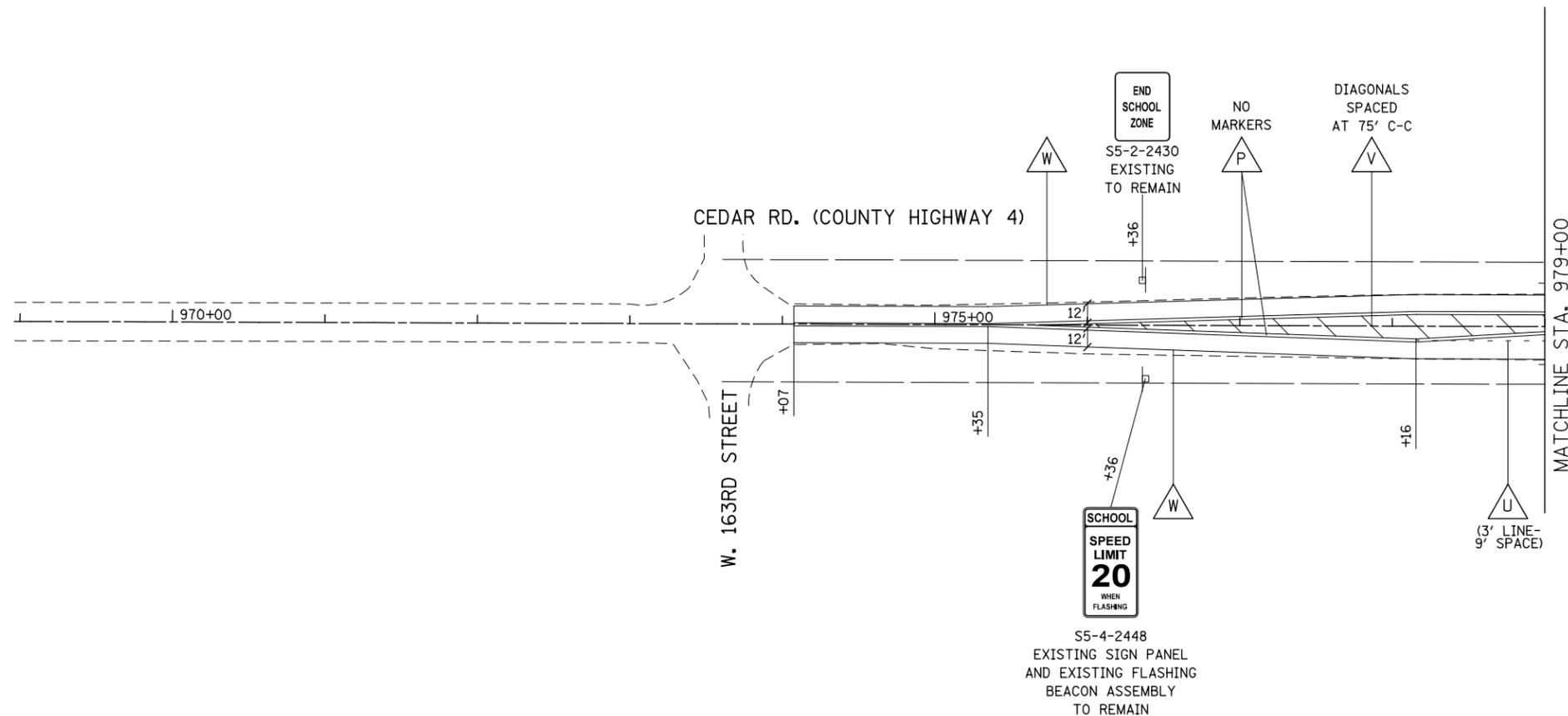


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DRAWN MJM	CHECKED PJO	REVISED -			351	536-R-1	WILL	1232	621	
PLOT SCALE = 1:100.001	DATE 10/21/2014	REVISED -			CONTRACT NO. 60L71					
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISED -			ILLINOIS FED. AID PROJECT					

SYMBOL LEGEND

- INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- REGULATORY SIGN (R SERIES)
- WARNING SIGN (W SERIES)
- GUIDE SIGN (D/M SERIES)
- SPECIAL/OTHER SIGNS

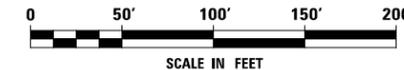


PAVEMENT MARKING LEGEND

- | | | |
|--|--|--|
| POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) | POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) |
| POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS | THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) |
| POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) | THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) |
| POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE- 6' SPACE, UNLESS OTHERWISE NOTED) | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) |
| POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW |
| POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6) |
| POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C) |
| | THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS | |
| | THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | |

NOTES

- AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
- PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS TC-11 AND TC-13.
- SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
- ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
- ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
- FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.
- A VERTICAL RETROREFLECTIVE STRIP (4" W X 72" H) WITH AP SHEETING AND COLOR MATCHING THE PRIMARY FACE OF THE SIGN SHALL BE FURNISHED AND INSTALLED ON THE TELESCOPING STEEL SIGN SUPPORT AND SHALL BE IN ACCORDANCE WITH THE 2009 MUTCD. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE UNIT COST FOR TELESCOPING STEEL SIGN SUPPORT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



FILE NAME = D:\6071-shr-pmk-21-Cedar.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING
CEDAR ROAD

F.A.P. RTE.	MJM	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	MJM	536-R-1	WILL	1232	622
				CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT					

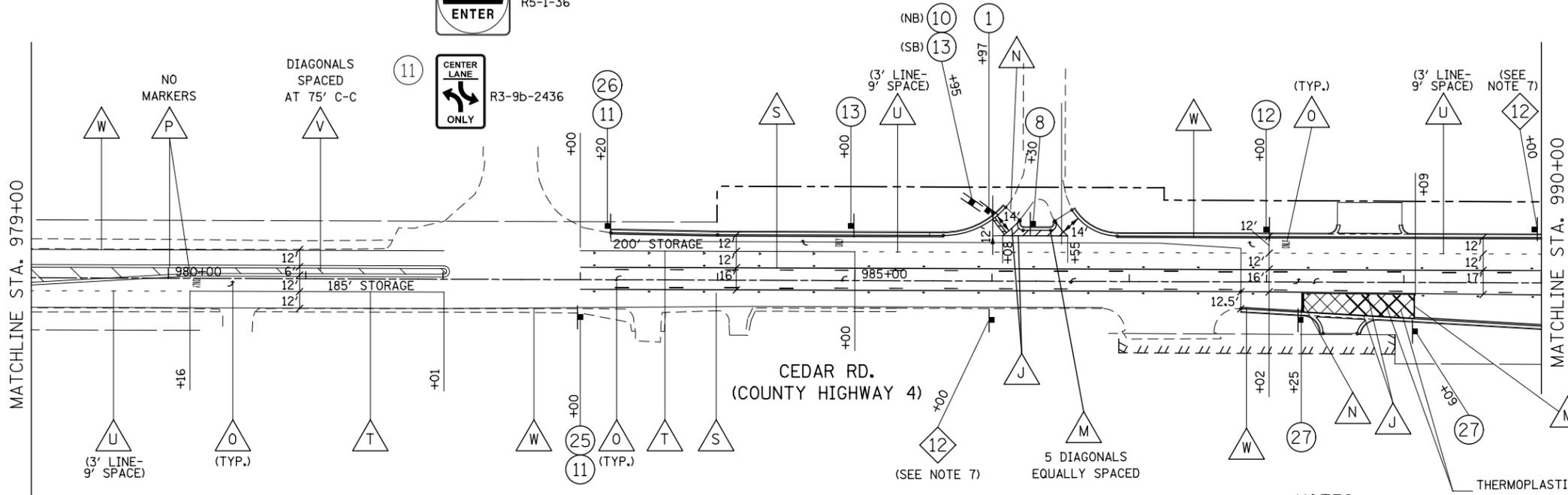
SCALE: AS SHOWN SHEET NO. 21 OF 29 SHEETS STA. 969+00 TO STA. 979+00

SYMBOL LEGEND

- INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- 1 REGULATORY SIGN (R SERIES)
- 1 WARNING SIGN (W SERIES)
- 1 GUIDE SIGN (D/M SERIES)
- 1 SPECIAL/OTHER SIGNS

SIGN LEGEND

- 1 STOP R1-1-36
- 8 NO LEFT TURN R3-2-36
- 10 DO NOT ENTER R5-1-36
- 11 CENTER LANE ONLY R3-9b-2436
- 12 RIGHT LANE MUST TURN RIGHT R3-7-36
- 13 RIGHT TURN ONLY R3-5R-3036
- 25 BEGIN R3-9cP-3012
- 26 END R3-9dP-3012
- 27 DO NOT BLOCK DRIVEWAY R10-7-2430
- 12 (diamond with truck) W11-8-36

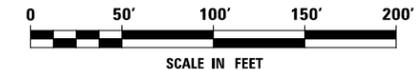


NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
2. PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS TC-11 AND TC-13.
3. SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
4. ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
5. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.
7. A VERTICAL RETROREFLECTIVE STRIP (4" W X 72" H) WITH AP SHEETING AND COLOR MATCHING THE PRIMARY FACE OF THE SIGN SHALL BE FURNISHED AND INSTALLED ON THE TELESCOPING STEEL SIGN SUPPORT AND SHALL BE IN ACCORDANCE WITH THE 2009 MUTCD. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE UNIT COST FOR TELESCOPING STEEL SIGN SUPPORT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

PAVEMENT MARKING LEGEND

- A POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
- B POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- C POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
- D POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED)
- E POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE
- F POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C
- G POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE
- H POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE
- I POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS
- J THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE
- K THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE
- L THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C
- M THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE
- N THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE
- O THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS
- P THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- R THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
- S THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- T THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
- U THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED)
- V THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW
- W THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6)
- X THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C)



FILE NAME = D:\680\71-shr-pmk_22-Cedar.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 11/7/2014	DATE 11/07/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
CEDAR ROAD**

SCALE: AS SHOWN SHEET NO. 22 OF 29 SHEETS STA. 979+00 TO STA. 990+00

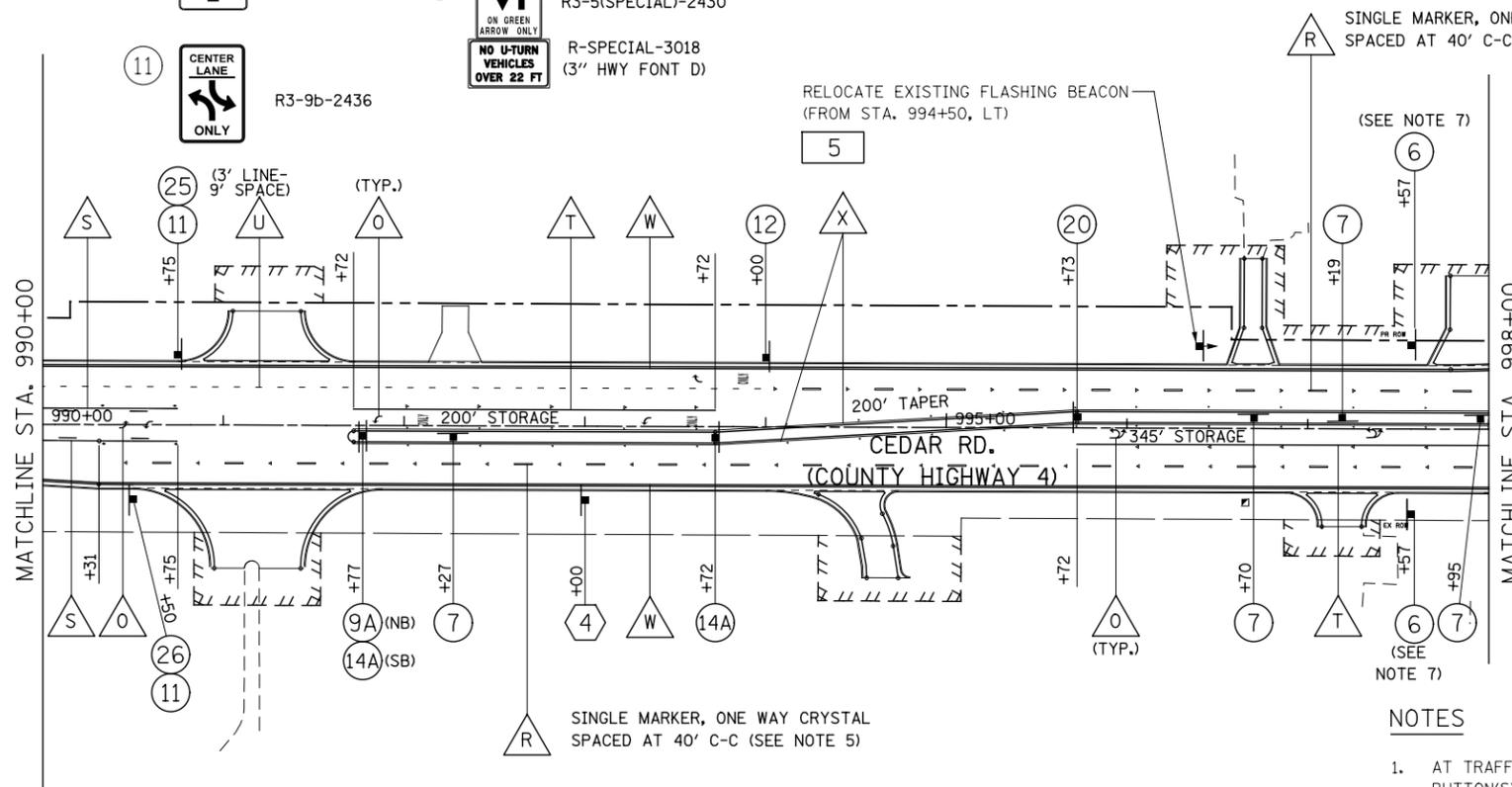
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	623
CONTRACT NO. 60L71			ILLINOIS FED. AID PROJECT	

SYMBOL LEGEND

- INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- 1 REGULATORY SIGN (R SERIES)
- 1 WARNING SIGN (W SERIES)
- 1 GUIDE SIGN (D/M SERIES)
- 1 SPECIAL/OTHER SIGNS

SIGN LEGEND

- 6 SPEED LIMIT 40 R2-1-3036 (40 MPH)
- 12 RIGHT LANE MUST TURN RIGHT R3-7-36
- 25 BEGIN R3-9cP-3012
- 4 JCT ILLINOIS 7 M2-1-3021
- 5 SCHOOL SPEED LIMIT 20 WHEN FLASHING S5-4-2448 (MOUNTED ON EXISTING SOLAR POWERED FLASHING BEACON)
- 7 ONE WAY R6-2R-2430
- 14A ONLY R3-5L-2430
- 26 END R3-9dP-3012
- 9A R4-7-2430
- 20 NO U-TURN VEHICLES OVER 22 FT R3-5(SPECIAL)-2430
- 11 CENTER LANE ONLY R3-9b-2436
- R-SPECIAL-3018 (3" HWY FONT D)
- M-SPECIAL-369 (4" HWY FONT D)

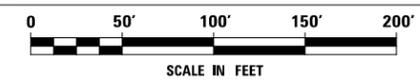


SINGLE MARKER, ONE WAY CRYSTAL SPACED AT 40' C-C (SEE NOTE 5)

SINGLE MARKER, ONE WAY CRYSTAL SPACED AT 40' C-C (SEE NOTE 5)

NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
2. PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS TC-11 AND TC-13.
3. SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
4. ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
5. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.
7. A VERTICAL RETROREFLECTIVE STRIP (4" W X 72" H) WITH AP SHEETING AND COLOR MATCHING THE PRIMARY FACE OF THE SIGN SHALL BE FURNISHED AND INSTALLED ON THE TELESCOPING STEEL SIGN SUPPORT AND SHALL BE IN ACCORDANCE WITH THE 2009 MUTCD. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE UNIT COST FOR TELESCOPING STEEL SIGN SUPPORT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



PAVEMENT MARKING LEGEND

- A POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C)
- B POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- C POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
- D POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE- 6' SPACE, UNLESS OTHERWISE NOTED)
- E POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE
- F POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C
- G POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE
- H POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE
- I POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS
- J THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE
- K THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE
- L THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C
- M THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE
- N THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE
- O THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS
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- S THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C)
- T THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C)
- U THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED)
- V THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW
- W THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6)
- X THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C)

FILE NAME : D:\BOL\71-shr-pmk-23-Cedar.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 11/7/2014	DATE 11/07/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
CEDAR ROAD**

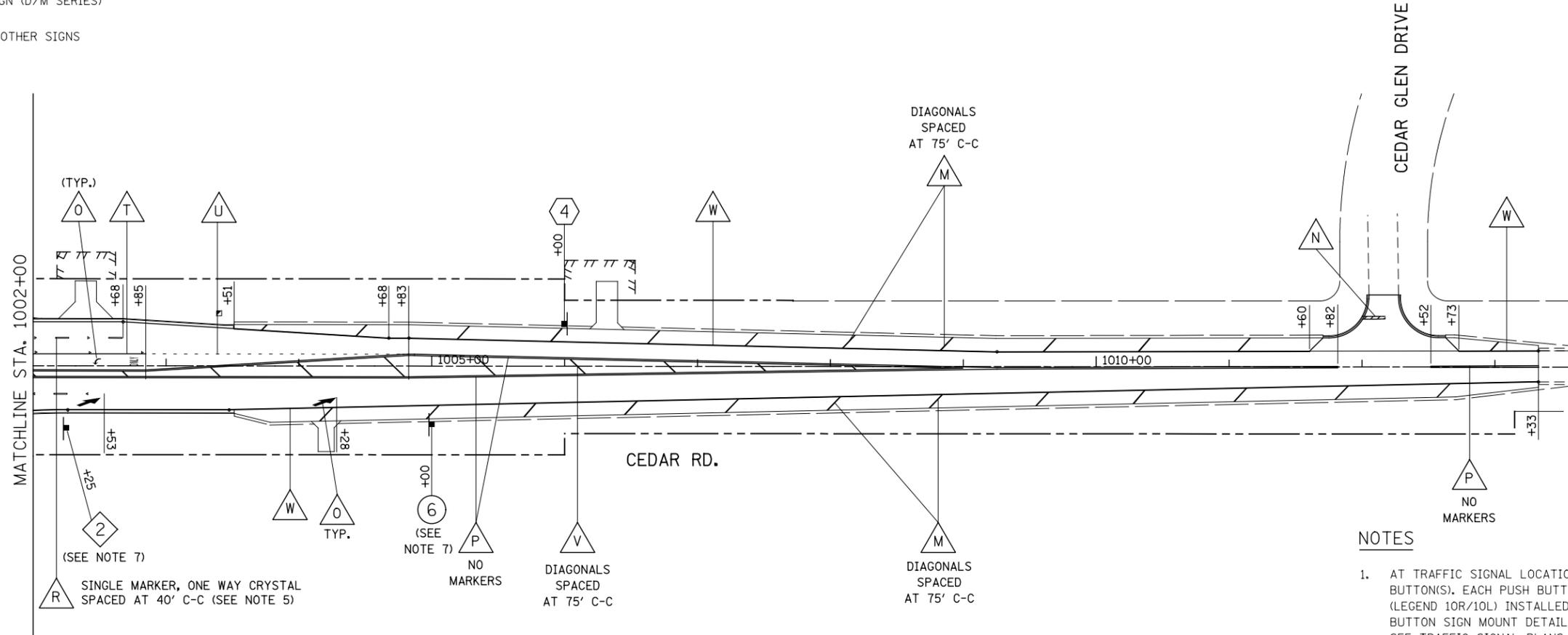
SCALE: AS SHOWN SHEET NO. 23 OF 29 SHEETS STA. 990+00 TO STA. 998+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	624
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

SYMBOL LEGEND

- INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- 1 REGULATORY SIGN (R SERIES)
- 1 WARNING SIGN (W SERIES)
- 1 GUIDE SIGN (D/M SERIES)
- 1 SPECIAL/OTHER SIGNS

SIGN LEGEND

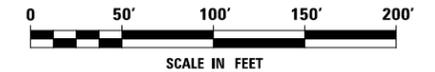


PAVEMENT MARKING LEGEND

- | | | |
|---|---|---|
| A POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) | H POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE | R THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) |
| B POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | I POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS | S THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) |
| C POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) | J THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE | T THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) |
| D POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE- 6' SPACE, UNLESS OTHERWISE NOTED) | K THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE | U THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) |
| E POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE | L THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | V THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW |
| F POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | M THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE | W THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6) |
| G POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE | N THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE | X THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C) |
| | O THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS | |
| | P THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | |

NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
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5. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.
7. A VERTICAL RETROREFLECTIVE STRIP (4" W X 72" H) WITH AP SHEETING AND COLOR MATCHING THE PRIMARY FACE OF THE SIGN SHALL BE FURNISHED AND INSTALLED ON THE TELESCOPING STEEL SIGN SUPPORT AND SHALL BE IN ACCORDANCE WITH THE 2009 MUTCD. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE UNIT COST FOR TELESCOPING STEEL SIGN SUPPORT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



FILE NAME : D:\6071-shr-pmk_24-Cedar.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 10/21/2014	DATE 10/21/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING
CEDAR ROAD

SCALE: AS SHOWN SHEET NO. 24 OF 29 SHEETS STA. 1002+00 TO STA. 1013+33

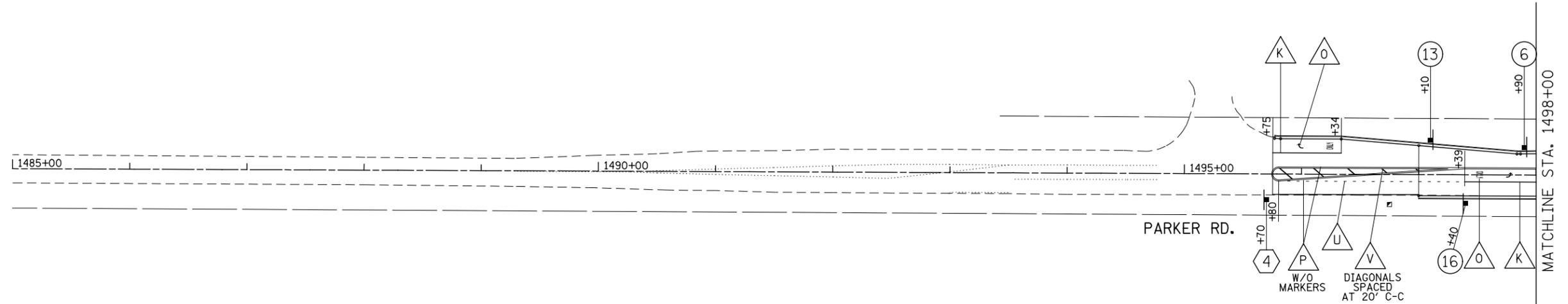
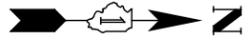
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	625
CONTRACT NO. 60L71			ILLINOIS FED. AID PROJECT	

SYMBOL LEGEND

- INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- REGULATORY SIGN (R SERIES)
- WARNING SIGN (W SERIES)
- GUIDE SIGN (D/M SERIES)
- SPECIAL/OTHER SIGNS

SIGN LEGEND

- R2-1-3036 (40 MPH)
- R3-5R-3036
- R3-8-30
- M2-1-3021
- M1-1100-36
- M-SPECIAL-369 (4" HWY FONT D)

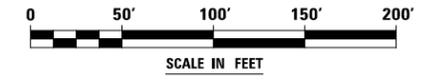


PAVEMENT MARKING LEGEND

- | | | |
|--|--|--|
| POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) | POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) |
| POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS | THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) |
| POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) | THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) |
| POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) |
| POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW |
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| POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE | THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C) |
| | THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS | |
| | THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | |

NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
2. PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 DETAILS TC-11 AND TC-13.
3. SIGN LOCATIONS MAY VARY BASED ON FIELD CONDITIONS.
4. ALL POST-MOUNTED SIGNS SHALL BE MOUNTED ON TELESCOPING POLES IN ACCORDANCE WITH HIGHWAY STANDARD 728001 UNLESS OTHERWISE NOTED.
5. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.



FILE NAME : D:\60L71\shb\pmk_25-Parker.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
PARKER ROAD**

SCALE: AS SHOWN SHEET NO. 25 OF 29 SHEETS STA. 1485+00 TO STA. 1498+00

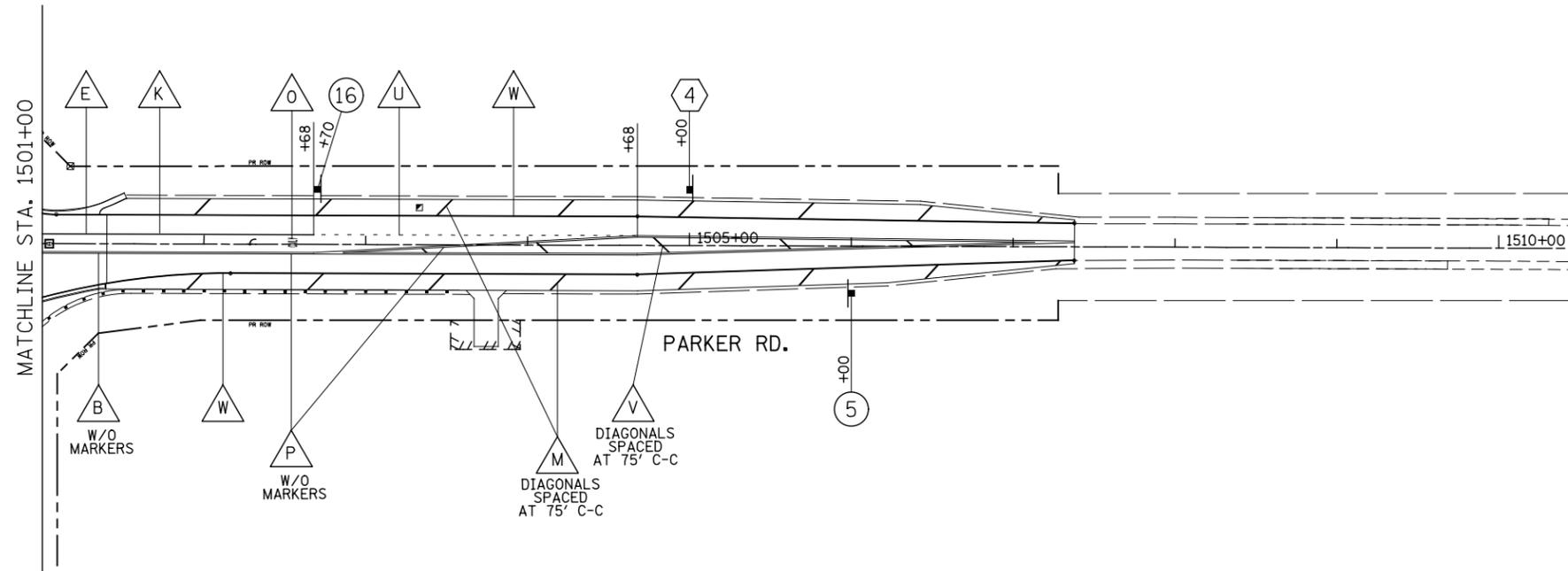
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	626
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

SYMBOL LEGEND

- INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- 1 REGULATORY SIGN (R SERIES)
- 1 WARNING SIGN (W SERIES)
- 1 GUIDE SIGN (D/M SERIES)
- 1 SPECIAL/OTHER SIGNS

SIGN LEGEND

- 5 SPEED LIMIT 45 R2-1-3036 (45 MPH)
- 16
- 4 JCT M2-1-3021
- ILLINOIS 7 M1-1100-36
- 159th Street M-SPECIAL-369 (4" HWY FONT D)
- R3-8-30

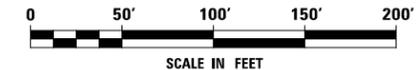


PAVEMENT MARKING LEGEND

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> A POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) B POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) C POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) D POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) E POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE F POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C G POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE | <ul style="list-style-type: none"> H POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE I POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS J THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE K THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE L THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C M THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE N THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE O THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS P THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | <ul style="list-style-type: none"> R THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) S THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) T THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) U THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) V THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW W THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6) X THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C) |
|--|--|---|

NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
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6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.



FILE NAME = D:\60L71\shh\pmk_26\Farker.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
PARKER ROAD**

SCALE: AS SHOWN SHEET NO. 26 OF 29 SHEETS STA. 1501+00 TO STA. 1510+00

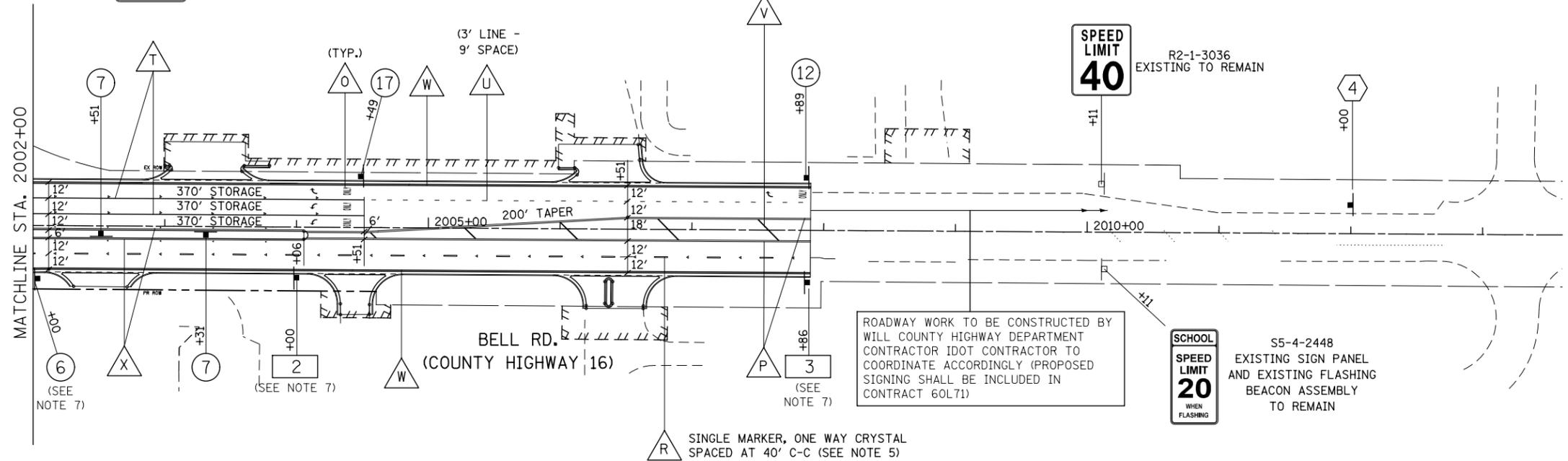
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	627
CONTRACT NO. 60L71			ILLINOIS FED. AID PROJECT	

SYMBOL LEGEND

- ① * INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- ① REGULATORY SIGN (R SERIES)
- ① WARNING SIGN (W SERIES)
- ① GUIDE SIGN (D/M SERIES)
- ① SPECIAL/OTHER SIGNS

SIGN LEGEND

- ⑥ **SPEED LIMIT 40** R2-1-3036 (40 MPH)
- ⑦ **ONE WAY** R6-2R-2430
- ⑫ **RIGHT LANE MUST TURN RIGHT** R3-7-36
- ⑬ **ONLY ONLY ONLY** R3-8a-4830
- ④ **JCT ILLINOIS 7** M2-1-3021
- ④ **159th Street** M1-I100-36
- ④ **159th Street** M-SPECIAL-369 (4" HWY FONT D)
- ② **SCHOOL SPEED LIMIT 20** S4-5-36
- ③ **PEDESTRIAN AHEAD** S1-1-36
- ③ **PEDESTRIAN AHEAD** W16-9P-2412



PAVEMENT MARKING LEGEND

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> A POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) B POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) C POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) D POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) E POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE F POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C G POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE | <ul style="list-style-type: none"> H POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE I POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS J THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE K THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE L THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C M THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE N THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE O THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS P THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | <ul style="list-style-type: none"> R THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) S THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) T THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) U THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) V THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW W THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6) X THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C) |
|--|--|---|

NOTES

1. AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
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5. ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4" FROM THE CENTERLINE OF THE DASH.
6. FOR CONCRETE PAVEMENT THE PAVEMENT MARKING SHALL BE POLYUREA PAVEMENT MARKING.
7. A VERTICAL RETROREFLECTIVE STRIP (4" W X 72" H) WITH AP SHEETING AND COLOR MATCHING THE PRIMARY FACE OF THE SIGN SHALL BE FURNISHED AND INSTALLED ON THE TELESCOPING STEEL SIGN SUPPORT AND SHALL BE IN ACCORDANCE WITH THE 2009 MUTCD. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE UNIT COST FOR TELESCOPING STEEL SIGN SUPPORT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



FILE NAME = D:\6071\shtr\mk_27-Bell.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
BELL ROAD**

SCALE: AS SHOWN SHEET NO. 27 OF 29 SHEETS STA. 2002+00 TO STA. 2013+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	628
CONTRACT NO. 60L71			ILLINOIS FED. AID PROJECT	

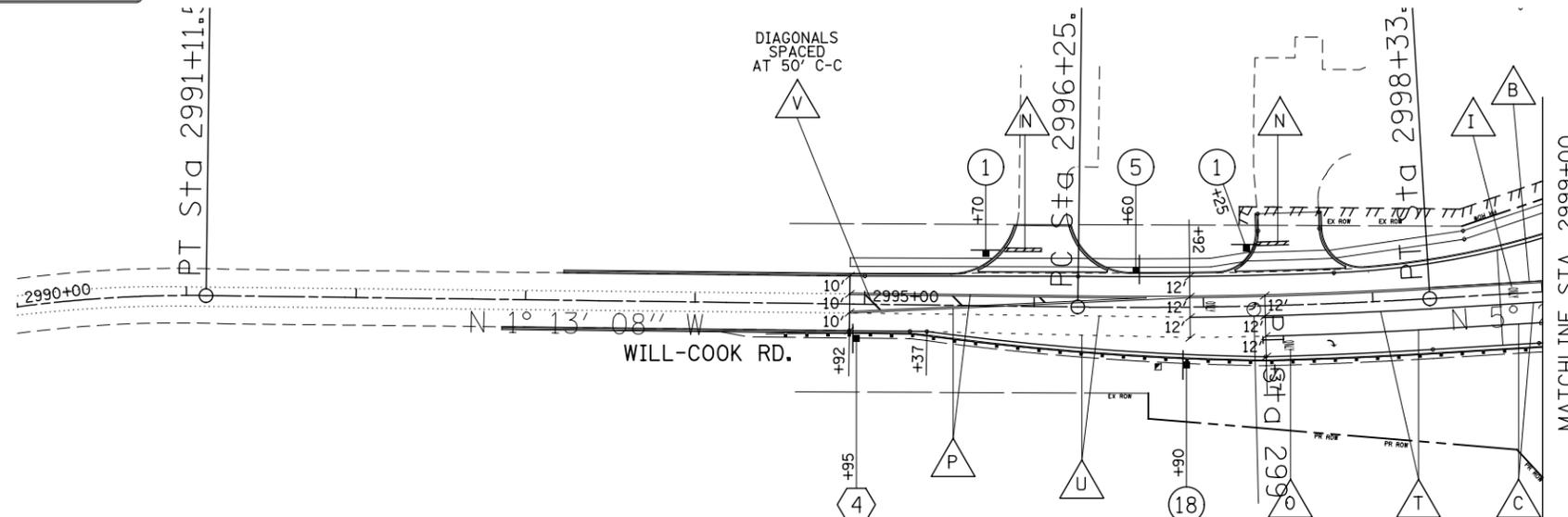


SYMBOL LEGEND

- INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- 1 REGULATORY SIGN (R SERIES)
- 1 WARNING SIGN (W SERIES)
- 1 GUIDE SIGN (D/M SERIES)
- 1 SPECIAL/OTHER SIGNS

SIGN LEGEND

- 1 STOP R1-1-36
- 5 SPEED LIMIT 45 R2-1-3036 (45 MPH)
- 18 ONLY ONLY ONLY R3-8a-6036
- 4 JCT M2-1-3021
- ILLINOIS 7 M1-1100-36
- 159th Street M-SPECIAL-369 (4" HWY FONT D)

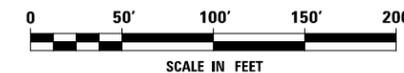


PAVEMENT MARKING LEGEND

- | | | |
|--|--|--|
| A POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) | H POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE | R THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) |
| B POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | I POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS | S THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) |
| C POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) | J THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE | T THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) |
| D POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE- 6' SPACE, UNLESS OTHERWISE NOTED) | K THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE | U THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) |
| E POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE | L THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | V THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW |
| F POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C | M THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE | W THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6) |
| G POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE | N THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE | X THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C) |
| | O THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS | |
| | P THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | |

NOTES

- AT TRAFFIC SIGNAL LOCATIONS, SIGNAL POLES REQUIRE PEDESTRIAN PUSH BUTTON(S). EACH PUSH BUTTON SHALL HAVE REGULATORY SIGN R10-3e-915 (LEGEND 10R/10L) INSTALLED ABOVE THE PUSH BUTTON. SEE PEDESTRIAN BUTTON SIGN MOUNT DETAIL ON REGULATORY SIGNS (R) LEGEND SHEET. SEE TRAFFIC SIGNAL PLANS FOR MAST ARM MOUNTED STREET NAME SIGNS.
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FILE NAME = D:\60L71-shr-pmk-28-WillCook.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

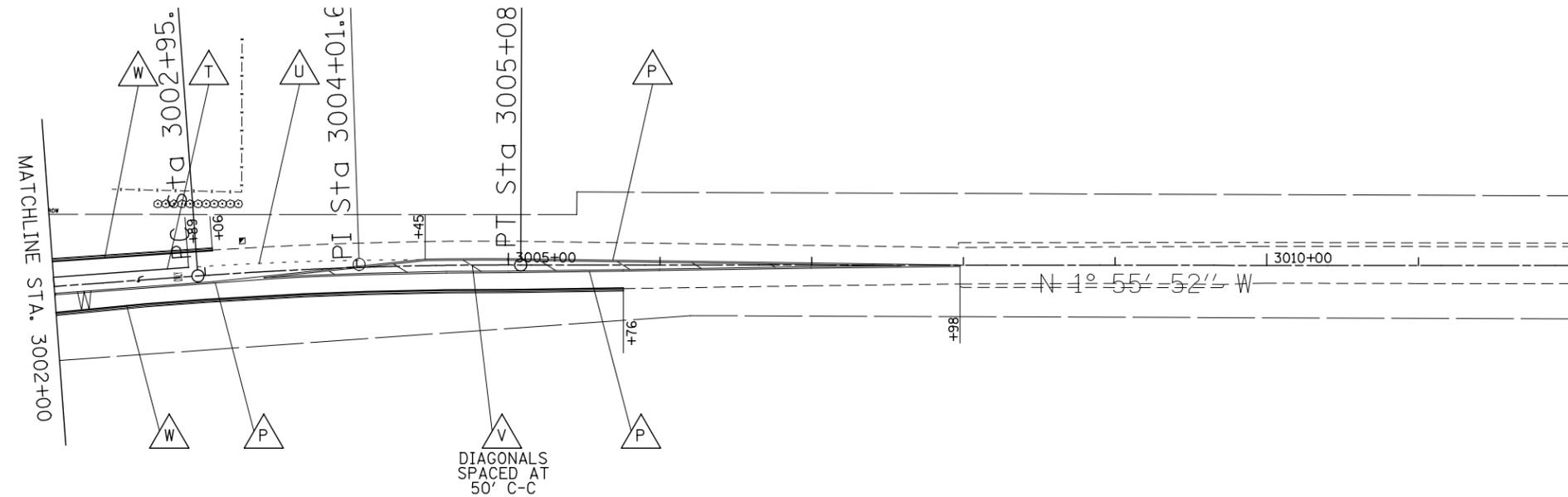
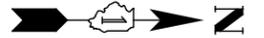
**PAVEMENT MARKING AND SIGNING
WILL-COOK ROAD**

SCALE: AS SHOWN SHEET NO. 28 OF 29 SHEETS STA. 2990+00 TO STA. 2999+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	629
CONTRACT NO. 60L71			ILLINOIS FED. AID PROJECT	

SYMBOL LEGEND

- INDICATES SIGN IS MOUNTED TO A TRAFFIC SIGNAL POLE (TYP.)
- ① REGULATORY SIGN (R SERIES)
- ◇ WARNING SIGN (W SERIES)
- ① GUIDE SIGN (D/M SERIES)
- ① SPECIAL/OTHER SIGNS

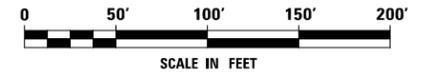


PAVEMENT MARKING LEGEND

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> A POLYUREA PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) B POLYUREA PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) C POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) D POLYUREA PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) E POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE F POLYUREA PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C G POLYUREA PAVEMENT MARKING - LINE 12", SOLID WHITE | <ul style="list-style-type: none"> H POLYUREA PAVEMENT MARKING - LINE 24", SOLID WHITE I POLYUREA PAVEMENT MARKING, LETTERS & SYMBOLS J THERMOPLASTIC PAVEMENT MARKING - LINE 8", SOLID WHITE K THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE L THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH 12" SOLID WHITE DIAGONALS AT 45 DEGREES, SPACED AT 3' C-C M THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID WHITE N THERMOPLASTIC PAVEMENT MARKING - LINE 24", SOLID WHITE O THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS P THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) | <ul style="list-style-type: none"> R THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH (10' LINE - 30' SPACE) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 80' C-C) S THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SKIP-DASH (10' LINE - 30' SPACE) SPACED AT 5 1/2" C-C FROM 4" SOLID YELLOW LINE, WITH RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER (SPACED AT 40' C-C) T THERMOPLASTIC PAVEMENT MARKING - LINE 6", SOLID WHITE WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL (SPACED AT 40' C-C) U THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SPACE, UNLESS OTHERWISE NOTED) V THERMOPLASTIC PAVEMENT MARKING - LINE 12", SOLID YELLOW W THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID WHITE (SEE NOTE 6) X THERMOPLASTIC PAVEMENT MARKING - LINE 4", SOLID YELLOW (SEE NOTE 6) WITH RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER (SPACED AT 40' C-C) |
|---|---|--|

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FILE NAME = D:\60L71\shtr\pmk_29-WillCook2.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:100.001	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
WILL-COOK ROAD**

SCALE: AS SHOWN SHEET NO. 29 OF 29 SHEETS STA. 3002+00 TO STA. 3012+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	630
CONTRACT NO. 60L71			ILLINOIS FED. AID PROJECT	

REGULATORY SIGNS (R)

1 **STOP** R1-1-36 AP SHEETING

2 **STOP** **ONLY** R1-1-36 AP SHEETING MOUNT ON SEPARATE POLES R3-5R-3036

3 NOT USED

4 NOT USED

5 **SPEED LIMIT 45** R2-1-3036 (45 MPH) AP SHEETING

6 **SPEED LIMIT 40** R2-1-3036 (40 MPH) AP SHEETING

7 **ONE WAY** R6-2R-2430 AP SHEETING

8 **NO U-TURN** R3-2-36 AP SHEETING

9 **RIGHT TURN** R4-7-3036 AP SHEETING

9A **RIGHT TURN** R4-7-2430 AP SHEETING

10 **DO NOT ENTER** R5-1-36 AP SHEETING

11 **CENTER LANE ONLY** R3-9b-2436 AP SHEETING

12 **RIGHT LANE MUST TURN RIGHT** R3-7-36 AP SHEETING

13 **RIGHT TURN ONLY** R3-5R-3036 AP SHEETING

14 **LEFT TURN ONLY** R3-5L-3036 AP SHEETING

14A **LEFT TURN ONLY** R3-5L-2430 AP SHEETING

15 **LEFT TURN ONLY** R3-8-3630 AP SHEETING

15A **LEFT TURN ONLY** R3-8-3030 AP SHEETING

16 **LEFT TURN ONLY** R3-8-30 AP SHEETING

17 **LEFT TURN ONLY** R3-8a-4830 AP SHEETING

18 **ONLY ONLY ONLY** R3-8a-6036 AP SHEETING

19 **NO U-TURN VEHICLES OVER 22 FT** R3-5(SPECIAL)-3036 R-SPECIAL-3018 (3" HWY FONT D) AP SHEETING

20 **ON GREEN ARROW ONLY** **NO U-TURN VEHICLES OVER 22 FT** R3-5(SPECIAL)-2430 R-SPECIAL-3018 (3" HWY FONT D) AP SHEETING

20A **ON GREEN ARROW ONLY** **NO U-TURN VEHICLES OVER 22 FT** R3-5(SPECIAL)-3036 R-SPECIAL-3018 (3" HWY FONT D)

21 **U-TURN ONLY** R3-5U-3036 R-SPECIAL-3018 (3" HWY FONT D) AP SHEETING

22 **ON GREEN ARROW ONLY** **NO U-TURN VEHICLES OVER 22 FT** R3-5(SPECIAL)-2430 R-SPECIAL-3018 (3" HWY FONT D) AP SHEETING

23 **ON GREEN ARROW ONLY** **NO U-TURN VEHICLES OVER 22 FT** R3-8(SPECIAL)-3630 R-SPECIAL-3018 (3" HWY FONT D) AP SHEETING

24 **ON GREEN ARROW ONLY** **NO U-TURN VEHICLES OVER 22 FT** R3-8(SPECIAL)-3630 R4-7-2430 R-SPECIAL-3018 (3" HWY FONT D) AP SHEETING

25 **BEGIN** R3-9cP-3012 AP SHEETING

26 **END** R3-9dP-3012 AP SHEETING

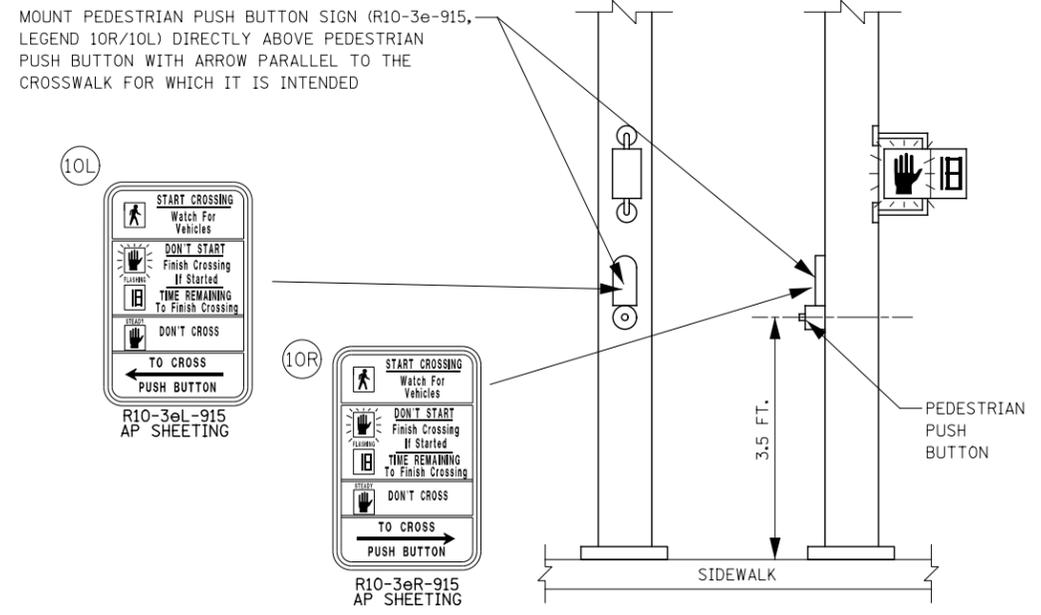
27 **DO NOT BLOCK DRIVEWAY** R10-7-2430 AP SHEETING

28 **LEFT TURN LANE** R3-1100-24 M6-2A-2115 AP SHEETING

29 **NO U-TURN** R3-4-36 AP SHEETING

29A **NO U-TURN** R3-4-24 AP SHEETING

30 **RIGHT TURN ON RED MUST YIELD TO U-TURN** R10-30-3036 AP SHEETING



PEDESTRIAN PUSH BUTTON SIGN MOUNT DETAIL

NOT TO SCALE

FILE NAME = D:\680171\shb\pnhk_30\LEGEND_01.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
DRAWN MJM	REVISOR -	
PLOT SCALE = 1:50.0003	CHECKED PJO	REVISOR -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING LEGEND
REGULATORY SIGNS (R)

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	631
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

WARNING SIGNS (W)

1		W16-1101-36 AZ SHEETING	7		W2-2R-36	13		W4-1100-3618 AZ SHEETING
2		W4-2R-36 AZ SHEETING	8		W2-2L-36			
3		W2-1-36	9		W2-1-36			
		W16-8aP-4215 AZ SHEETING	10		W2-2L-36			
4		W2-1-36	11		W2-2R-36			
		W16-8aP-4215 AZ SHEETING	12		W16-8aP-429			
5		W2-1-36						
		W16-8aP-4815 AZ SHEETING						
6		W2-1-36						
		W16-8aP-4815 AZ SHEETING						

GUIDE SIGNS (M) & (D)

1		M3-1-2412
2		M1-1100-24
3		M1-1100-24
4		M2-1-3021
5		M1-1100-36
		M-SPECIAL-369 (4" HWY FONT D)
6		D3-1-42123 AP SHEETING
7		D3-1-6012 AP SHEETING
8		D3-1-4812 AP SHEETING
9		D3-1-4212 AP SHEETING
10		D3-1-4812 AP SHEETING
11		D3-1-6612 AP SHEETING
12		D3-1-4212 AP SHEETING
		D3-1-5412 AP SHEETING

SPECIAL USE / SCHOOL SIGNS (S)

1		D3-1-6012 AP SHEETING	1		SPECIAL-PACE 832-18 RELOCATE SIGN PANEL ASSEMBLY TYPE A (72400200)
2		D3-1-6612 AP SHEETING	2		S4-5-36 AZ SHEETING
3		D3-1-6612 AP SHEETING	3		S1-1-36
4		D3-1-6012 AP SHEETING	4		W16-9P-2412 AZ SHEETING
5		D3-1-6012 AP SHEETING	5		S5-4-2448
6		D3-1-6018 AP SHEETING			
7		D3-1-5418 AP SHEETING			
8		D3-1-6018 AP SHEETING			
9		D3-1-6018 AP SHEETING			
10		D3-1-6018 AP SHEETING			
11		D3-1-7818 AP SHEETING			
12		D3-1-7218 AP SHEETING			
13		D1-1a-9618 AP SHEETING			
14		D1-1a-9618 AP SHEETING			
15		D3-1-7218 AP SHEETING			

FILE NAME = D:\680\71-shr-pmk_31\LEGEND_02.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
DRAWN MJM	REVISED -	
PLOT SCALE = 1:50.0003	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING LEGEND	
WARNING (W), GUIDE (M) & (D) AND SPECIAL USE /SCHOOL (S) SIGNS	
SCALE:	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	632
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				

ITEM	UNIT	TOTAL	IL ROUTE 7 AT GOUGAR ROAD	IL ROUTE 7 AT CEDAR ROAD	IL ROUTE 7 AT PARKER ROAD	IL ROUTE 7 AT NORTH BELL RD	IL ROUTE 7 AT SOUTH BELL RD	IL ROUTE 7 AT WILL-COOK RD	IL ROUTE 7 PROPOSED INTERCONNECT
SIGN PANEL, TYPE 1	SQ FT	240		73.5	45	43.5	30	48	
SIGN PANEL, TYPE 2	SQ FT	145		25	25	25	45	25	
SERVICE INSTALLATION - POLE MOUNTED	EACH	5		1	1	1	1	1	
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	15298	261	1376	1374	761	736	1330	9460
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	211		27	60	18	58	48	
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	301		67	76	56	54	48	
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	2599		607	461	527	499	505	
HANDHOLE	EACH	44	1	6	6	6	6	6	13
HEAVY-DUTY HANDHOLE	EACH	18		4	4	3	3	4	
DOUBLE HANDHOLE	EACH	8		2	2	1	1	2	
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	15420		4557**	4608*	2815*	3440*		
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	21		6**	6*	4*	5*		
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1						
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, (SPECIAL)	EACH	5		1	1	1	1	1	
TRANSCEIVER - FIBER OPTIC	EACH	4			1	1	1	1	
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	11065							11065
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	6752	537	1617	1617	464	1096	1421	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	10577	555	2372	2357	1150	1965	2178	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	17832		4899	3981	2369	3034	3549	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3720			950	1053	864	853	
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	18285	1147	4533	3617	3035	2613	3340	
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	278		41	60	68	50	59	
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	4212		864	962	757	815	814	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2			1		1		
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	8		2	2		2	2	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	2					2		
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	5			2	1		2	
STEEL MAST ARM ASSEMBLY AND POLE, 16 FT.	EACH	1				1			
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1		1					
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1		1					
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1						1	
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1						1	
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1						1	
STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1						1	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1					1		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1				1			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1				1			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1				1			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1			1				
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	3		1	1	1			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	2					2		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT.	EACH	1		1					

* 100% OF THE COST TO THE VILLAGE OF HOMER GLEN
** 100% OF THE COST TO HOMER TOWNSHIP
*** 100% OF THE COST TO THE ORLAND PARK FIRE PROTECTION DISTRICT

FILE NAME : D:\60L71\sh-t-15_000A TS Schedule of Quantities.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:2.00001	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNALS
SCHEDULE OF QUANTITIES**

SCALE: AS SHOWN SHEET NO. 1 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	633
TS-01			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

ITEM	UNIT	TOTAL	IL ROUTE 7 AT GOUGAR ROAD	IL ROUTE 7 AT CEDAR ROAD	IL ROUTE 7 AT PARKER ROAD	IL ROUTE 7 AT NORTH BELL RD	IL ROUTE 7 AT SOUTH BELL RD	IL ROUTE 7 AT WILL-COOK RD	IL ROUTE 7 PROPOSED INTERCONNECT
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1		1					
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	1		1					
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.	EACH	2			1		1		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 66 FT.	EACH	1			1				
CONCRETE FOUNDATION, TYPE A	FOOT	64		8	20	4	16	16	
CONCRETE FOUNDATION, TYPE C	FOOT	20		4	4	4	4	4	
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30		20		10			
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	179		15	28	52	41	43	
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	151		63	46		21	21	
DRILL EXISTING HANDHOLE	EACH	1	1						
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	55		16	10	9	9	11	
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1				1			
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1				1			
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED	EACH	5				3	2		
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	5			2	1		2	
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	9		2	2	1	2	2	
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	2					2		
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	4			2			2	
SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1				1			
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	32	2	8	8	2	6	6	
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	3				1	1	1	
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	65		16	12	13	11	13	
INDUCTIVE LOOP DETECTOR	EACH	59		14	12	12	10	11	
DETECTOR LOOP, TYPE I	FOOT	497		191	54	44	134	74	
PREFORMED DETECTOR LOOP	FOOT	3246	88	542	577	770	624	645	
LIGHT DETECTOR	EACH	18		4 *	4 *	3 *	3 *	4 ***	
LIGHT DETECTOR AMPLIFIER	EACH	5		1 *	1 *	1 *	1 *	1 ***	
PEDESTRIAN PUSH-BUTTON	EACH	37	2	8	8	4	7	8	
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	5		1	1	1	1	1	
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1070	1070						
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	5		1	1	1	1	1	
REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	1	1						
REMOVE EXISTING HANDHOLE	EACH	29	1	5	2	7	5	8	1
REMOVE EXISTING DOUBLE HANDHOLE	EACH	3		1		1		1	
REMOVE EXISTING CONCRETE FOUNDATION	EACH	26		9		8		9	
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	4141		1071 *	784 *	663 *	689 *	934 ***	
VIDEO DETECTION SYSTEM, PARTIAL	EACH	1	1						
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	5		1	1	1	1	1	
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	11065							11065
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	21		6 **	6 *	4 *	5 *		
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	NOTE 1							NOTE 1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	6	1	1	1	1	1	1	

* 100% OF THE COST TO THE VILLAGE OF HOMER GLEN
** 100% OF THE COST TO HOMER TOWNSHIP
*** 100% OF THE COST TO THE ORLAND PARK FIRE PROTECTION DISTRICT

NOTE 1: THE OPTIMIZATION OF THE TRAFFIC SIGNAL SYSTEM IS INCLUDED IN CONTRACT 60L72 WHERE THE PERMANENT MASTER CONTROLLER IS LOCATED.

FILE NAME : D:\60L71\sh-t-15_00008 TS Schedule of Quantities.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:2.00001	CHECKED PJO	REVISED -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNALS
SCHEDULE OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	634
TS-02			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

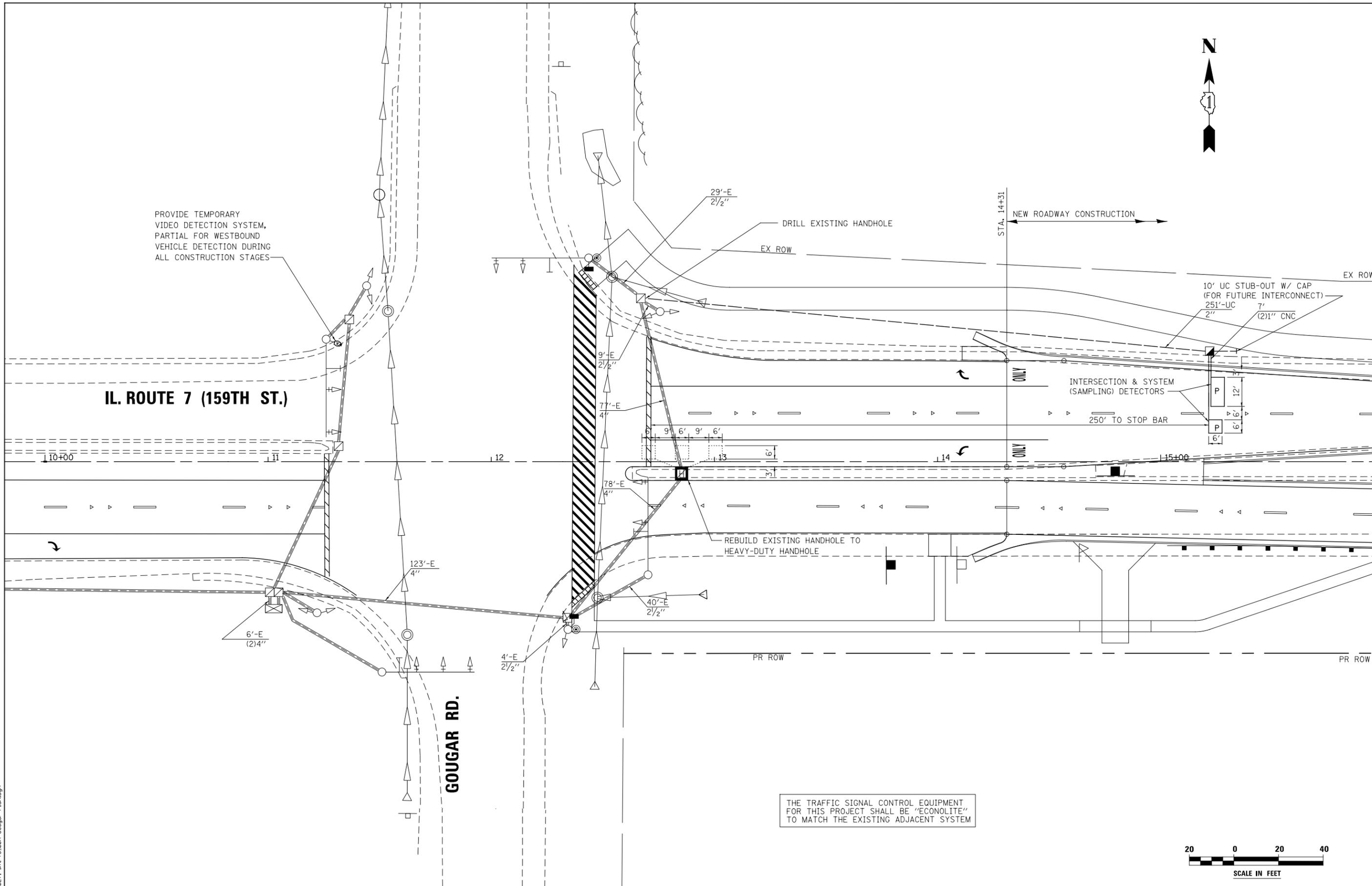
SCALE: AS SHOWN SHEET NO. 2 OF 64 SHEETS STA. TO STA.



PROVIDE TEMPORARY VIDEO DETECTION SYSTEM, PARTIAL FOR WESTBOUND VEHICLE DETECTION DURING ALL CONSTRUCTION STAGES

IL. ROUTE 7 (159TH ST.)

GUGAR RD.



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



FILE NAME = D:\60L71\shl\TS_00A Gougar Pl.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
DRAWN MJM	REVISED -	
PLOT SCALE = 1:40.013	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

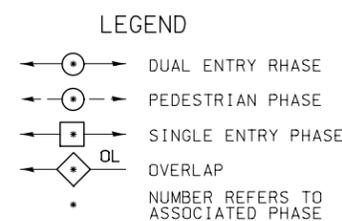
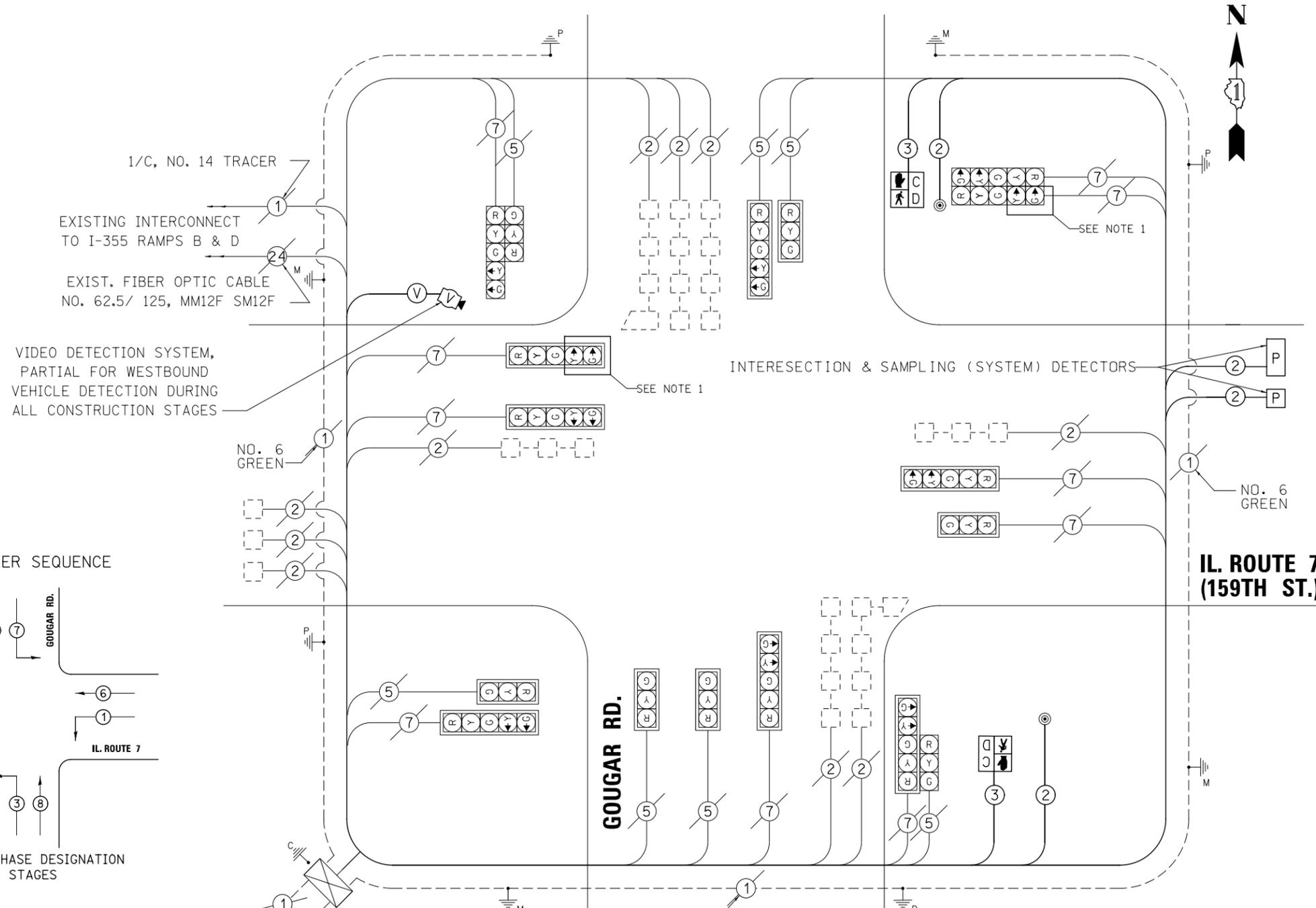
**TRAFFIC SIGNAL PLAN SHEET
ILLINOIS ROUTE 7 AND GUGAR RD**

SCALE: AS SHOWN SHEET NO. 3 OF 64 SHEETS STA. TO STA.

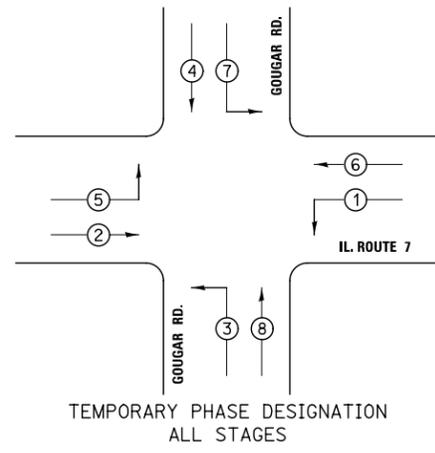
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	635
TS-03			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

MATCHLINE IL RTE. 7 STA. 16+00

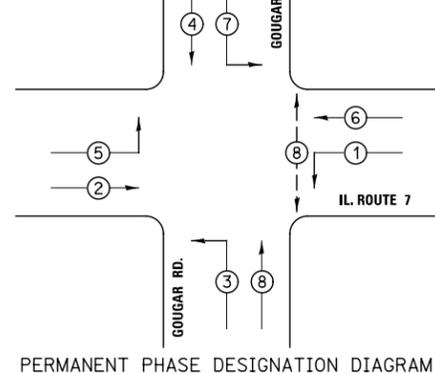
TRAFFIC SIGNALS SCHEDULE OF QUANTITIES ILLINOIS ROUTE 7 AND GOUGAR ROAD		
ITEM	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	261
HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	537
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	555
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1147
DRILL EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PREFORMED DETECTOR LOOP	FOOT	88
PEDESTRIAN PUSH-BUTTON	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1070
REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
VIDEO DETECTION SYSTEM, PARTIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1



CONTROLLER SEQUENCE



PERMANENT PHASE DESIGNATION DIAGRAM



I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	17		17	0.50	145
(YELLOW)	17		25	0.25	106
(GREEN)	17		15	0.25	64
ARROW	10		12	0.10	12
PED. SIGNAL	2		25	1.00	50
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
ILLUM. SIGN			90	0.50	0
TOTAL =					627

ENERGY COSTS - **BILLED TO Village of Homer Glen**
14933 S. Founders Crossing
Homer Glen, IL 60491

ENERGY SUPPLY - **CONTACT Scott Bertrand**
PHONE **Commonwealth Edison**
(815)768-6278

NOTES:
1. BAG AND DISCONNECT RIGHT TURN OVERLAP ARROW INDICATIONS FOR ALL CONSTRUCTION STAGES.

ALL LOOPS WITHIN THE LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PREFORMED TYPE

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC. AND NO EXTRA COMENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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

FILE NAME = D:\80\71\sh-t\TS-008 Gougar Cab\el0\ogr-am.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
DRAWN MJM	REVISIONS -	
PLOT SCALE = 1:40.013	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN, SCHEDULE OF QUANTITIES,
AND PHASE DESIGNATION DIAGRAM
ILLINOIS ROUTE 7 AND GOUGAR RD**

SCALE: AS SHOWN SHEET NO. 4 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	636
TS-04		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

- 8 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 4 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 4 EACH TRAFFIC SIGNAL POST
- 1 EACH SERVICE INSTALLATION
- 1 EACH CONTROLLER AND CABINET (COMPLETE)

THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: VILLAGE OF HOMER GLEN

- 2 EACH LIGHT DETECTOR AND BEACON
- 1 EACH LIGHT DETECTOR AMPLIFIER

INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION

LEFT ON GREEN ARROW ONLY

R10-5
4 REQUIRED
30" X 36"
SIGN PANEL TYPE 1



MATCHLINE CEDAR ROAD STA. 1001+50

SERVICE LOCATION TBD
APPROX. STA. 91+51
95' LT

APPROX. STA. 91+70
90' LT

THE CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.

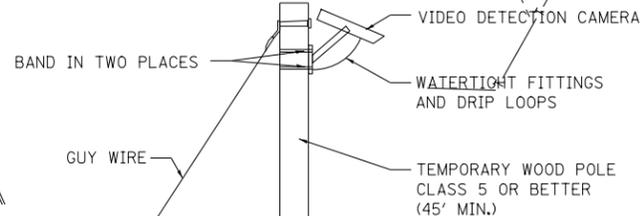
PR ROW

TEMPORARY PAVEMENT, TYP.

250' TO STOP BAR

IL. ROUTE 7 (159TH ST.)

MATCHLINE IL RTE. 7 STA. 93+00



TEMPORARY VIDEO DETECTION MOUNTING DETAIL (NOT TO SCALE)

APPROX. STA. 90+24
87' RT

APPROX. STA. 91+59
83' RT

MATCHLINE CEDAR ROAD STA. 998+50

TEMPORARY TRAFFIC SIGNAL INSTALLATION PRE-STAGE 1

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC. AND NO EXTRA COMENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



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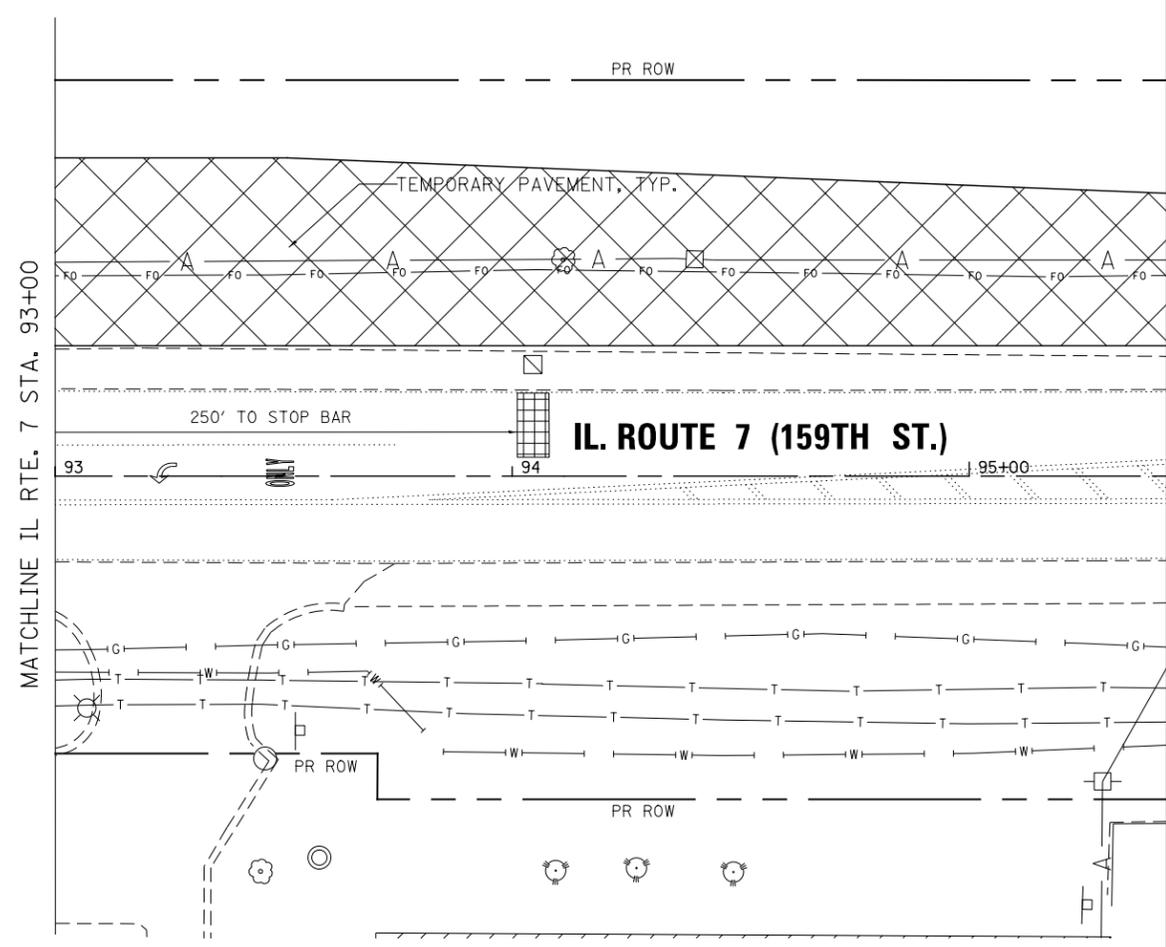
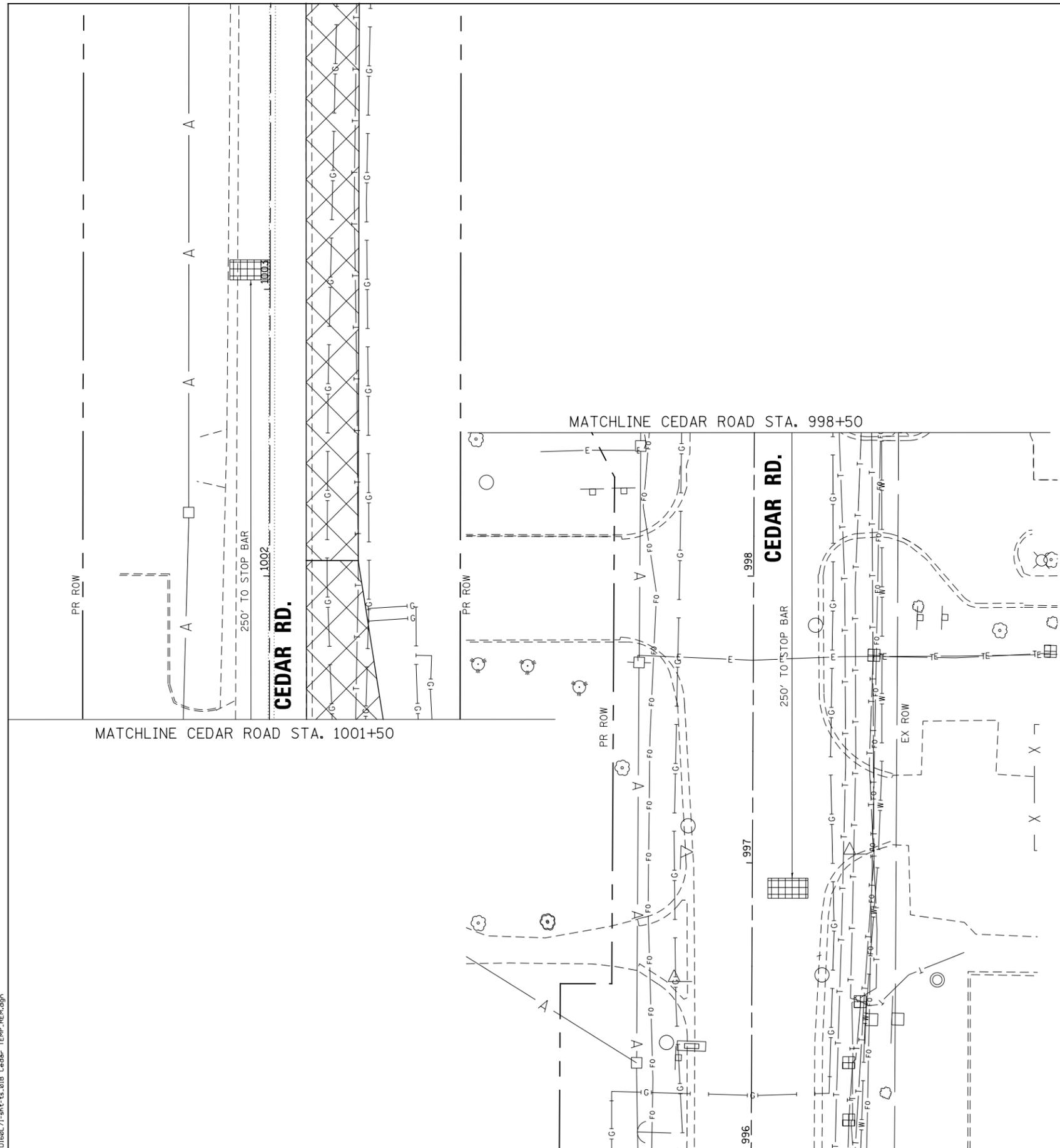
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PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION
& REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
ILLINOIS ROUTE 7 AND CEDAR RD**

SCALE: AS SHOWN SHEET NO. 5 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	637
TS-05		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				



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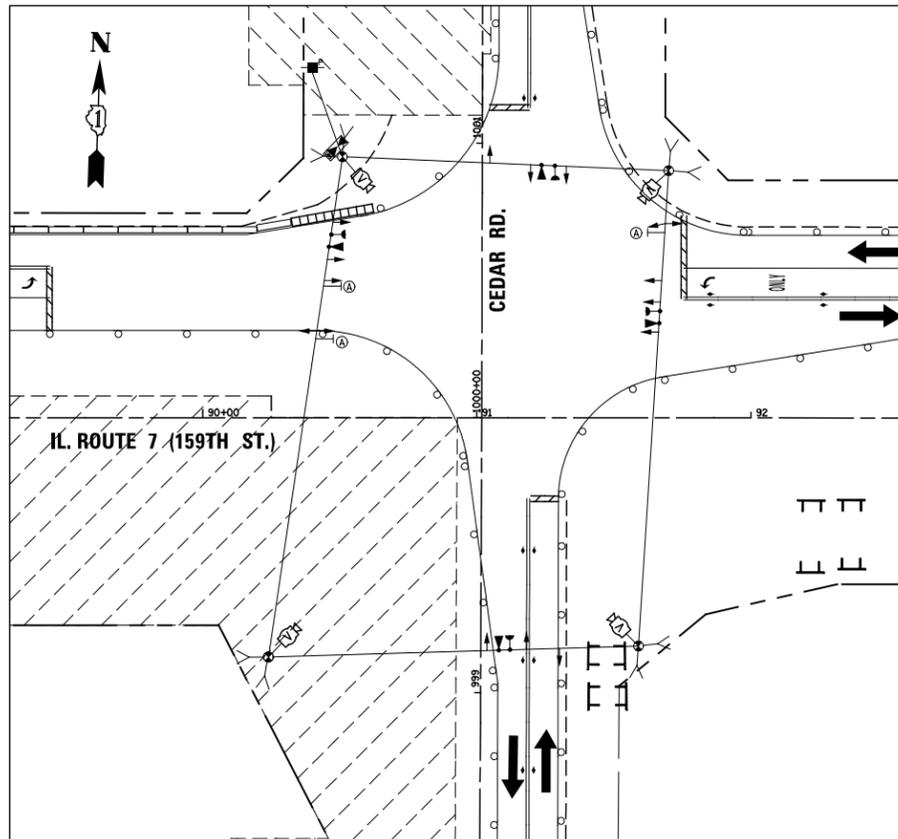
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PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

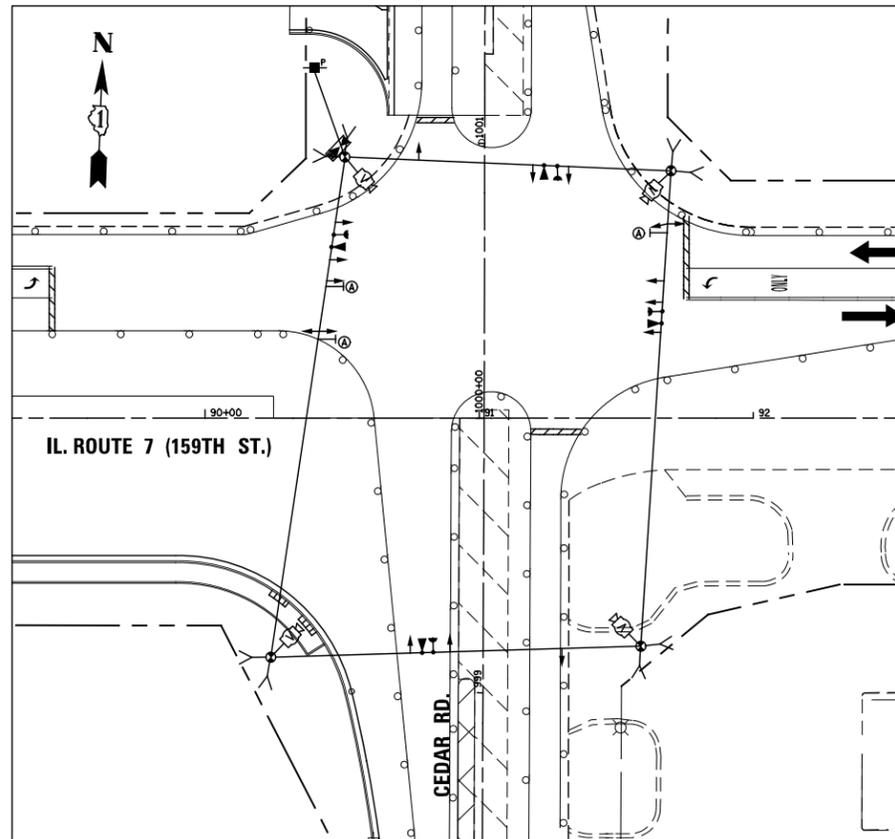
**TEMPORARY TRAFFIC SIGNAL INSTALLATION
ILLINOIS ROUTE 7 AND CEDAR RD**

SCALE: AS SHOWN SHEET NO. 6 OF 64 SHEETS STA. TO STA.

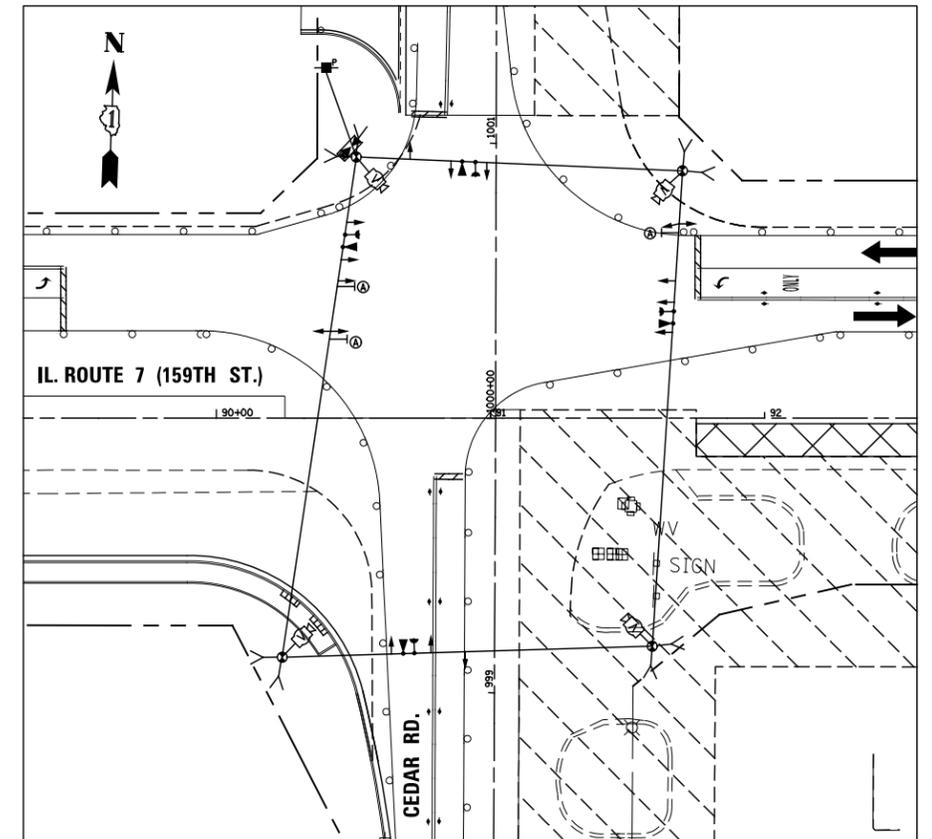
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	638
TS-06			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				



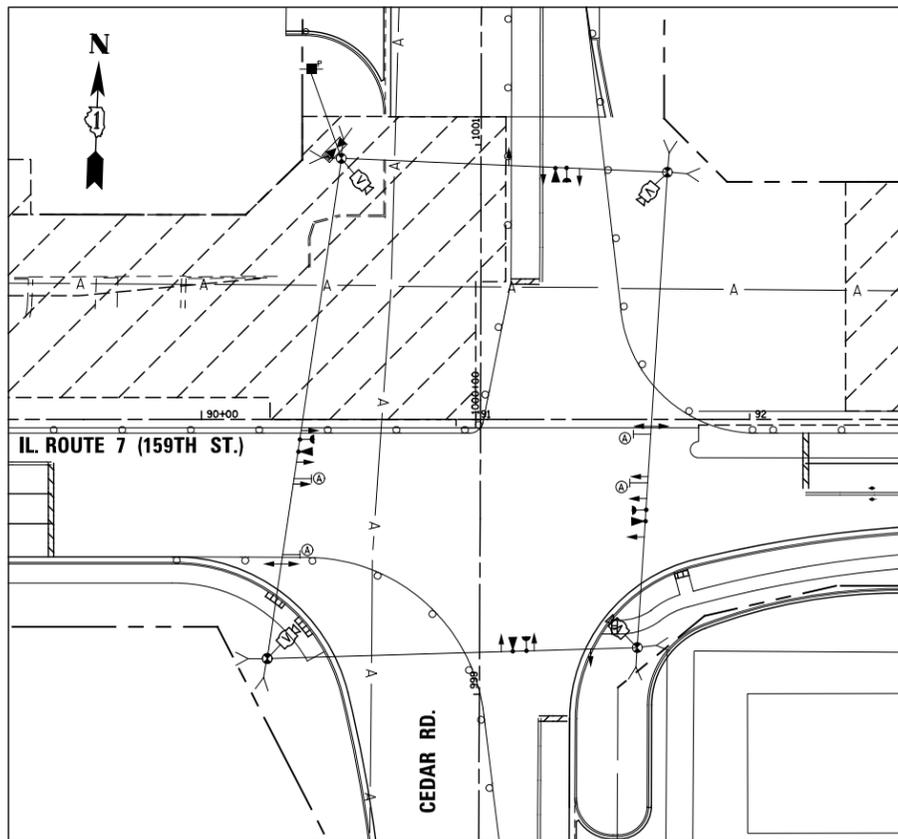
TEMPORARY TRAFFIC SIGNAL STAGE 1



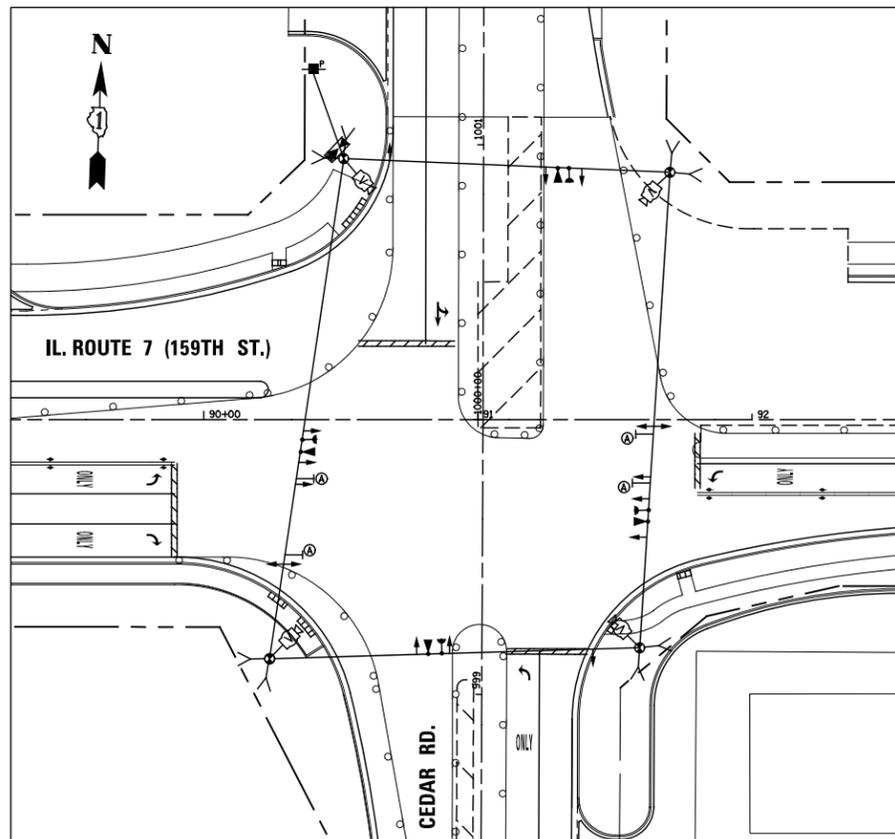
TEMPORARY TRAFFIC SIGNAL STAGE 1A



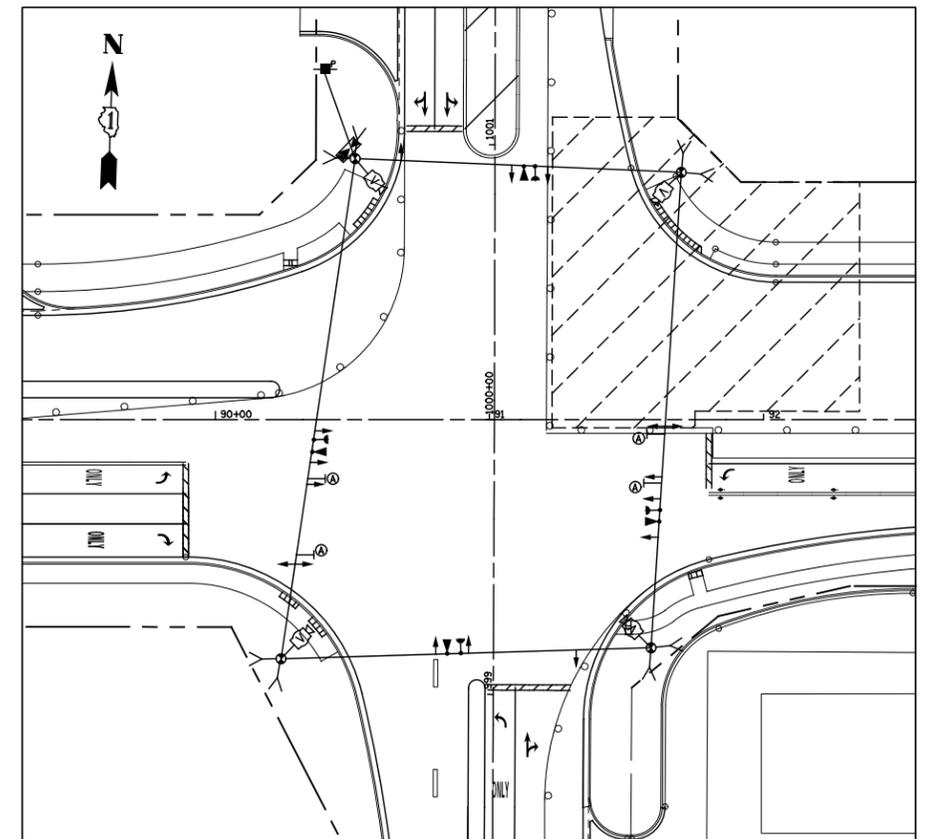
TEMPORARY TRAFFIC SIGNAL STAGE 1B



TEMPORARY TRAFFIC SIGNAL STAGE 2



TEMPORARY TRAFFIC SIGNAL STAGE 2A



TEMPORARY TRAFFIC SIGNAL STAGE 2B

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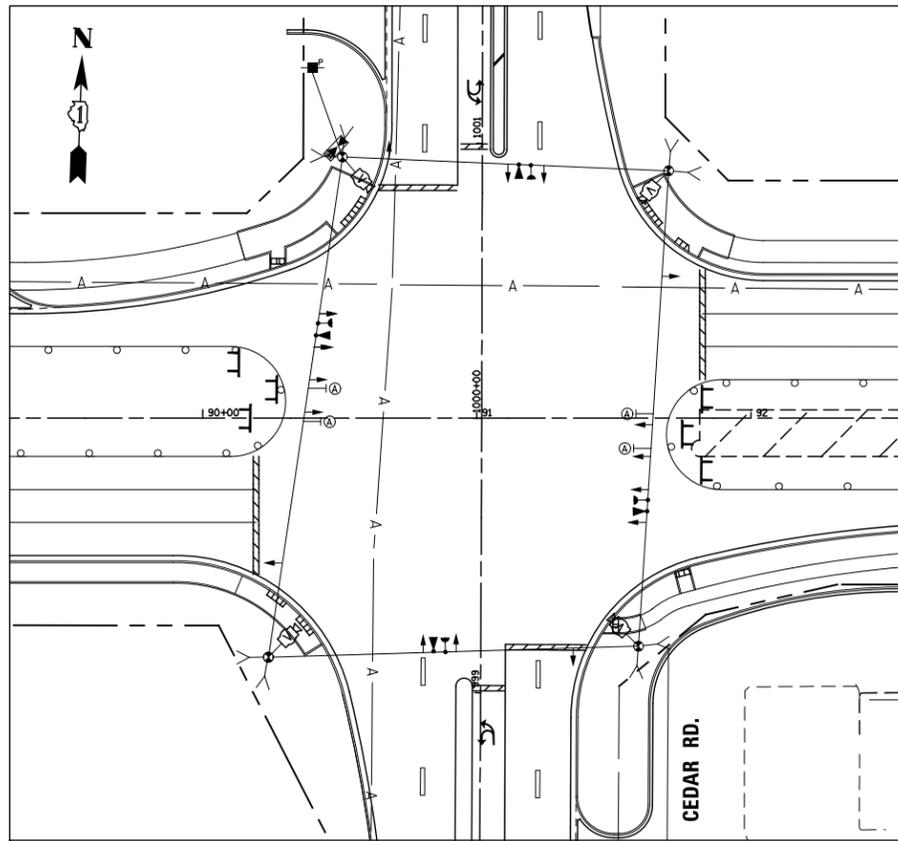
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PLOT DATE = 11/7/2014	DATE 11/07/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGING PLAN
ILLINOIS ROUTE 7 AND CEDAR RD

SCALE: AS SHOWN SHEET NO. 7 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	639
TS-07		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				



TEMPORARY TRAFFIC SIGNAL STAGE 3

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PLOT DATE = 11/7/2014	DATE 11/07/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

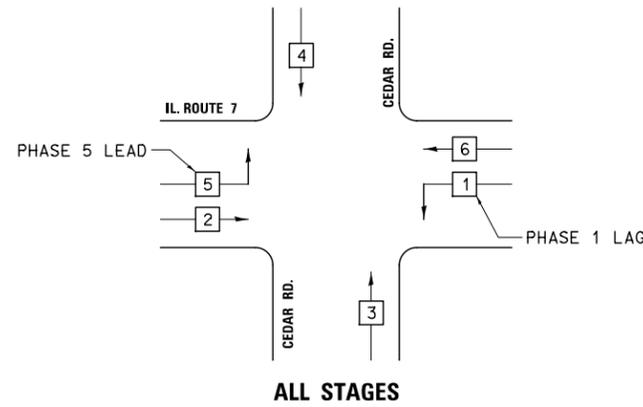
**TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGING PLAN
ILLINOIS ROUTE 7 AND CEDAR RD**

SCALE: AS SHOWN SHEET NO. 8 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	640
TS-08			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

NOTES FOR TEMPORARY TRAFFIC SIGNALS

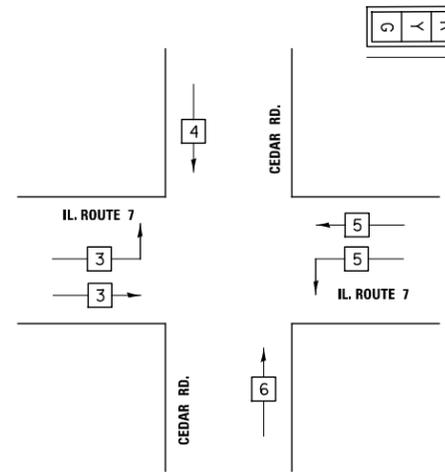
- 1) ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 2) ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS 232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- 3) ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER, HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT RAILROAD INTERSECTIONS. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- 4) ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- 5) ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 6) THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF TURN ON. IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF TURN ON.
- 7) UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- 8) TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- 9) DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- 10) WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.



LEGEND

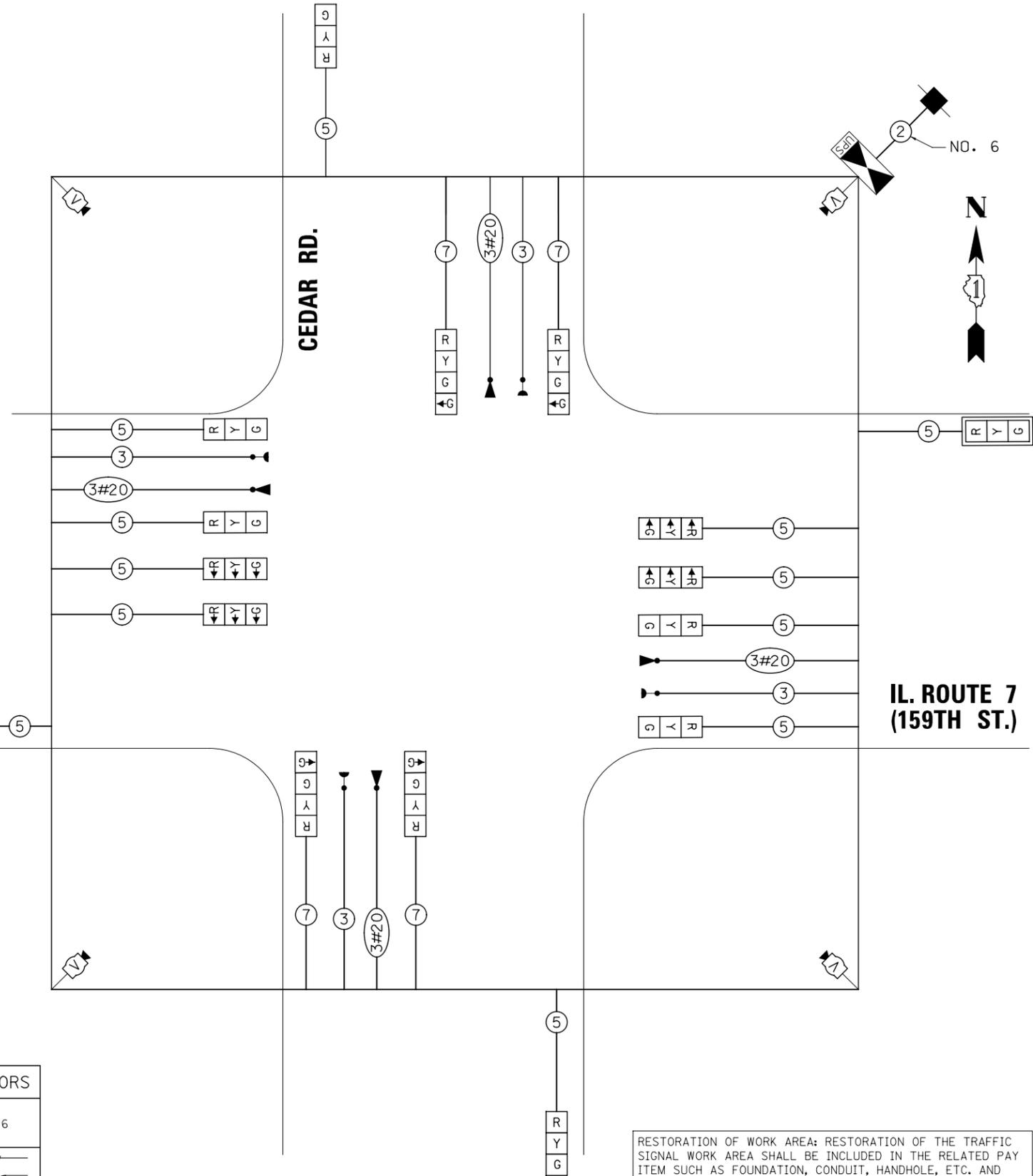
- ← * → DUAL ENTRY PHASE
- ← * → SINGLE ENTRY PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY PHASE DESIGNATION DIAGRAM



PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY CABLE PLAN

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC. AND NO EXTRA COMENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	16		17	0.50	136
(YELLOW)	16		25	0.25	100
(GREEN)	20		15	0.25	75
ARROW			12	0.10	0
PED. SIGNAL			25	1.00	0
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
ILLUM. SIGN			90	0.50	0
TOTAL =					561

ENERGY COSTS - BILLED TO: Village of Homer Glen
14933 S. Founders Crossing
Homer Glen, IL 60491

ENERGY SUPPLY - CONTACT: Scott Bertrand
PHONE: Commonwealth Edison
(815) 768-6278

USER NAME = <u>mjoestra</u>	DESIGNED <u>MJM</u>	REVISED -
	DRAWN <u>MJM</u>	REVISED -
PLOT SCALE = <u>1:40.013</u>	CHECKED <u>PJO</u>	REVISED -
PLOT DATE = <u>8/15/2014</u>	DATE <u>8/15/2014</u>	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE
DESIGNATION DIAGRAM & EVP SEQUENCE FOR
ILLINOIS ROUTE 7 AND CEDAR RD

SCALE: AS SHOWN SHEET NO. 9 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	641
TS-09		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				

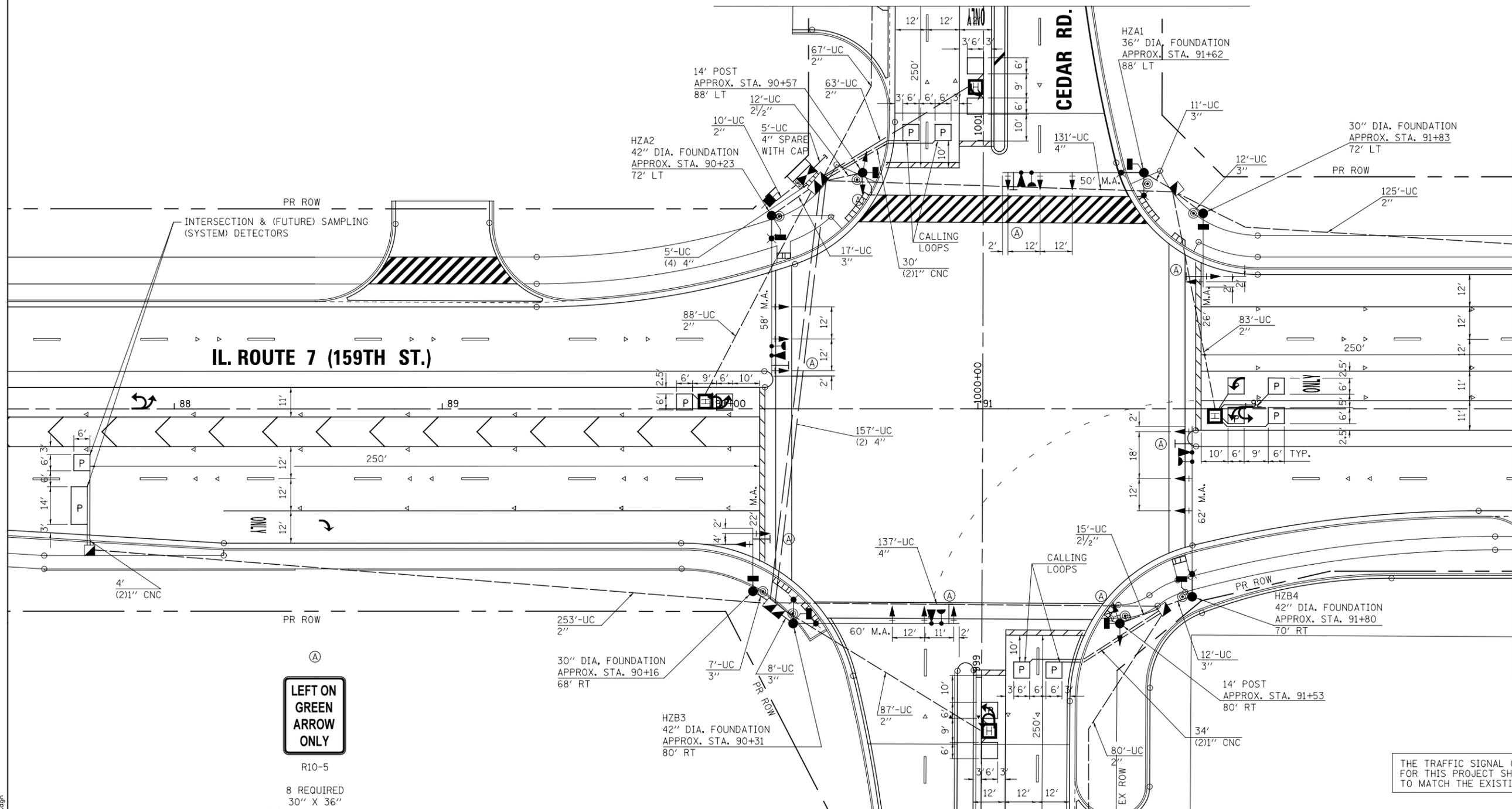
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MATCHLINE CEDAR ROAD STA. 1001+50

MATCHLINE CEDAR ROAD STA. 998+50

MATCHLINE IL RTE. 7 STA. 93+00



**LEFT ON
GREEN
ARROW
ONLY**

R10-5

8 REQUIRED
30" X 36"
SIGN PANEL TYPE 1

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



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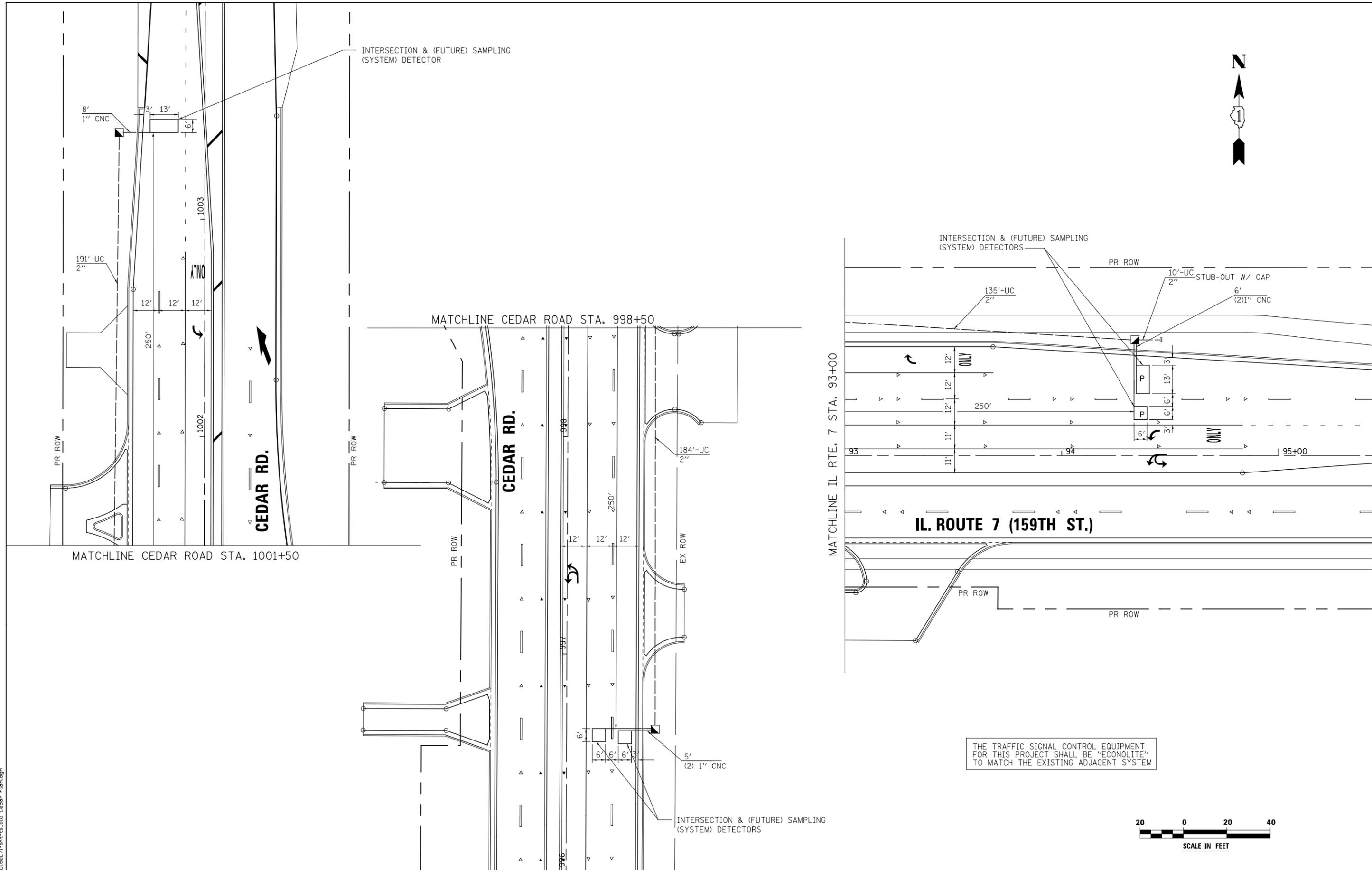
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PLOT DATE = 11/7/2014	DATE 11/07/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLAN SHEET
ILLINOIS ROUTE 7 AND CEDAR RD**

SCALE: AS SHOWN SHEET NO. 10 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	642
TS-10		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				



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PLOT DATE = 11/7/2014	DATE 11/07/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLAN SHEET
ILLINOIS ROUTE 7 AND CEDAR RD**

SCALE: AS SHOWN SHEET NO. 11 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	643
TS-11			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

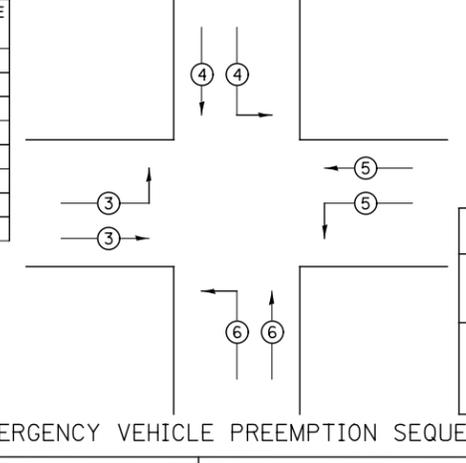
TRAFFIC SIGNALS SCHEDULE OF QUANTITIES, ILLINOIS ROUTE 7 AND CEDAR ROAD		
ITEM	UNIT	TOTAL
SIGN PANEL, TYPE 1	SQ.FT	73.5
SIGN PANEL, TYPE 2	SQ.FT	25
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1376
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	27
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	67
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	607
HANDHOLE	EACH	6
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
*** ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	4557
*** LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	6
* FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, (SPECIAL)	EACH	1
* ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1617
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2372
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4899
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4533
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	41
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	864
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	63
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	16
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	16
INDUCTIVE LOOP DETECTOR	EACH	14
DETECTOR LOOP, TYPE I	FOOT	191
PERFORMED DETECTOR LOOP	FOOT	542
** LIGHT DETECTOR	EACH	4
** LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	5
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
** EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1071
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
*** LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	6
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE		TOTAL WATTAGE
		INCAND.	LED	
SIGNAL (RED)	20		17	170
(YELLOW)	20		25	125
(GREEN)	20		15	75
ARROW			12	0
PED. SIGNAL	8		25	200
CONTROLLER	1		100	100
ILLUM. SIGN			90	0
LUMINAIRE	6	457		1371
TOTAL =				2041

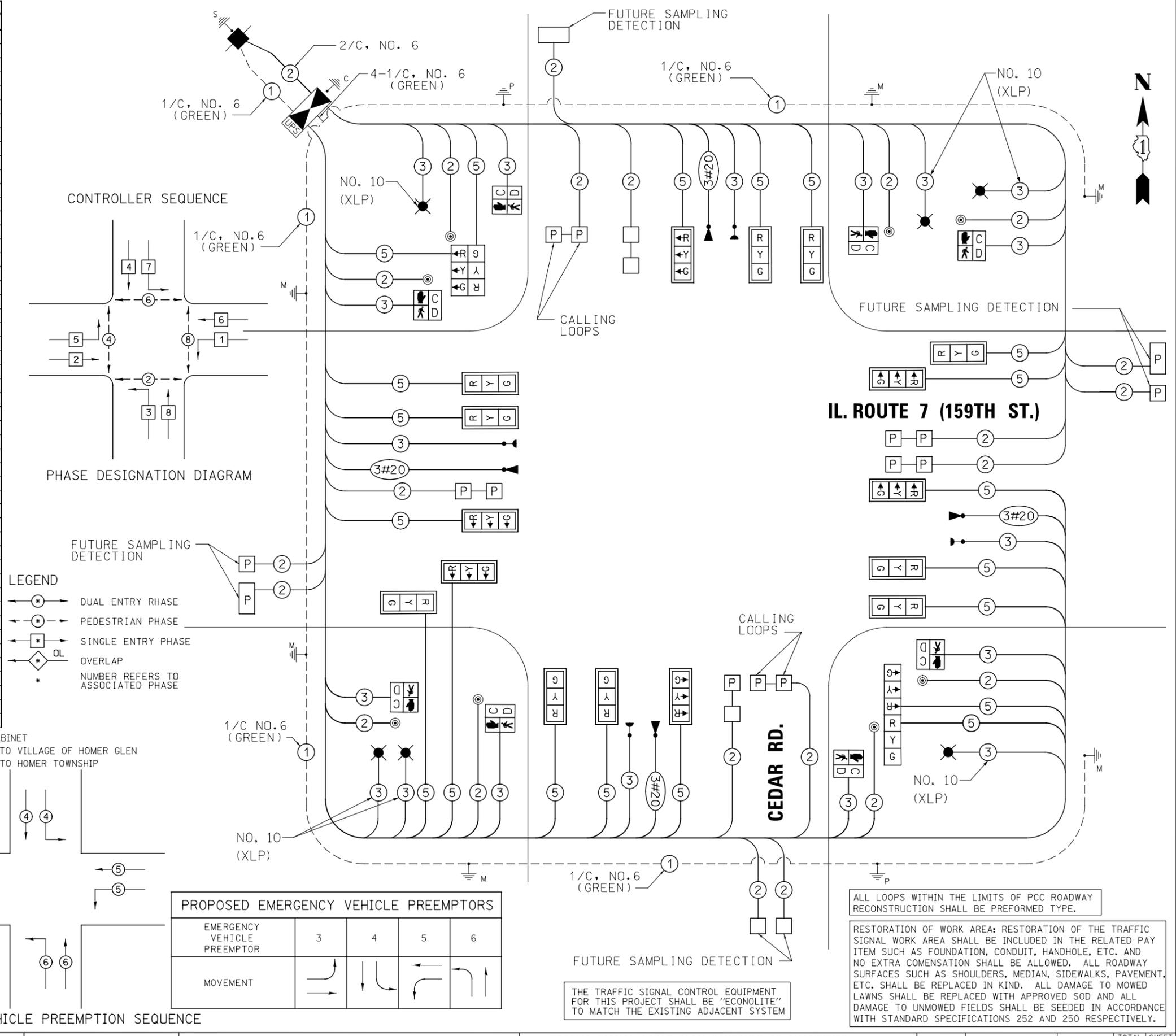
ENERGY COSTS - BILLED TO: Village of Homer Glen
14933 S. Founders Crossing
Homer Glen, IL 60491

ENERGY SUPPLY - CONTACT Scott Bertrand
PHONE Commonwealth Edison
(815)768-6278

* SUPER P CABINET
** 100% COST TO VILLAGE OF HOMER GLEN
*** 100% COST TO HOMER TOWNSHIP



PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				



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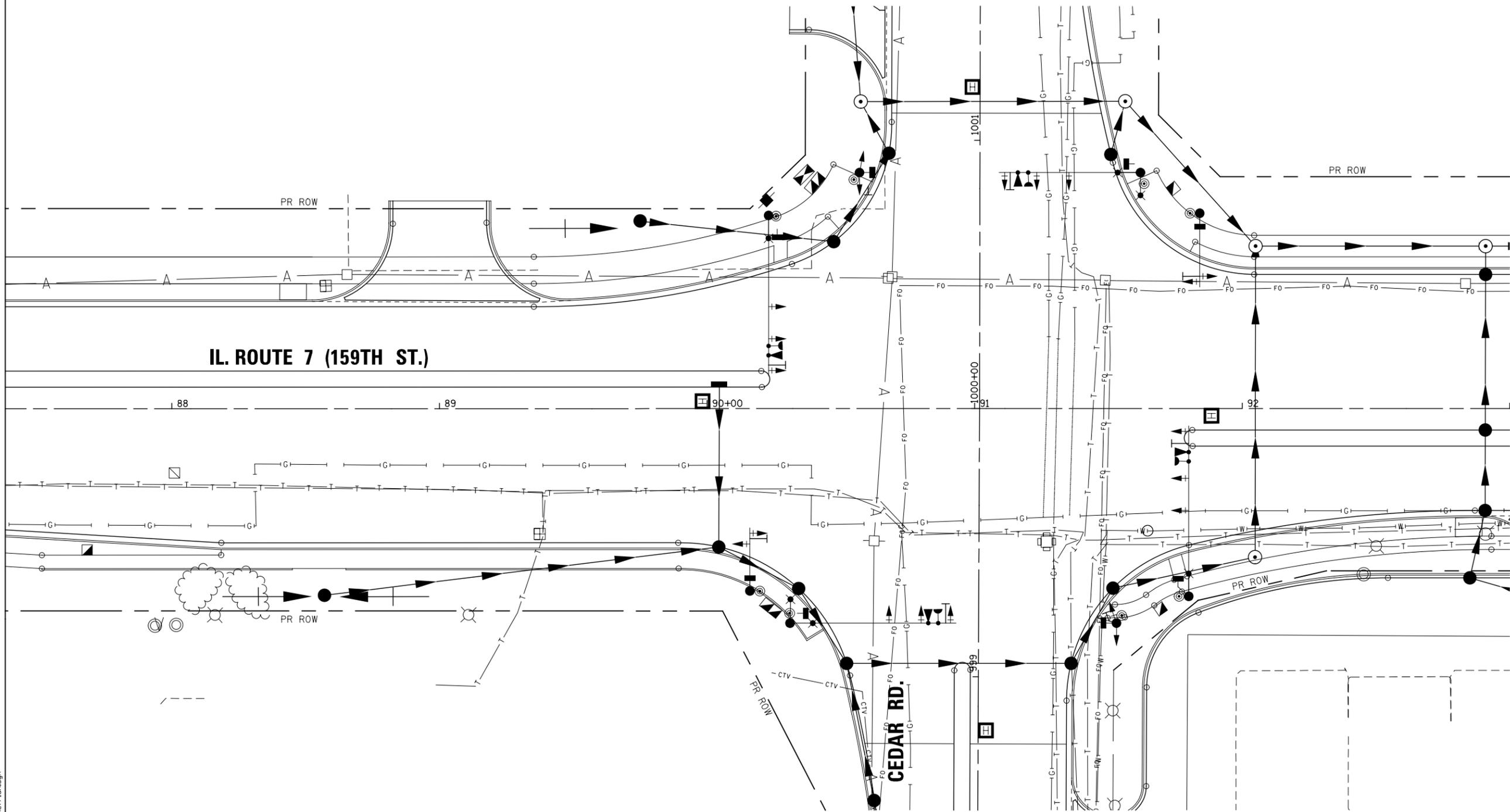
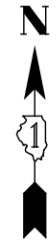
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PLOT DATE = 8/15/2014	CHECKED PJO	REVISED -
	DATE 8/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN, SCHEDULE OF QUANTITIES,
PHASE DESIGNATION DIAGRAM & EVP SEQUENCE SHEET
ILLINOIS ROUTE 7 AND CEDAR RD

SCALE: AS SHOWN SHEET NO. 12 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	644
TS-12		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				



FILE NAME = D:\60L71\shht-ts-011\Cedar_UtiRefPlan.dgn

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PLOT DATE = 11/7/2014	DATE 11/07/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

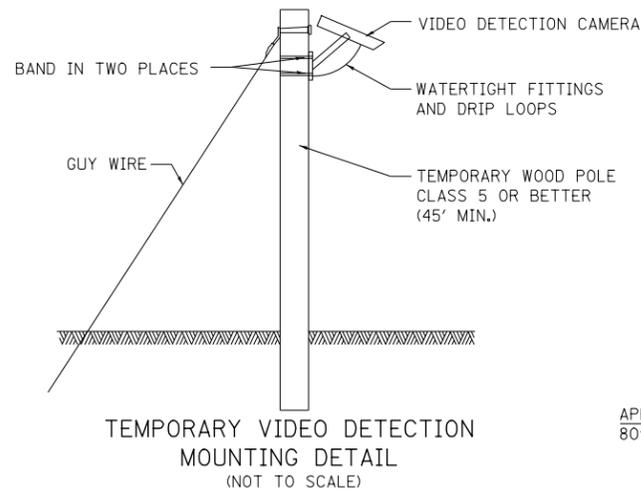
**UTILITY REFERENCE PLAN
ILLINOIS ROUTE 7 AND CEDAR RD**

SCALE: AS SHOWN SHEET NO. 13 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	645
TS-13			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

MATCHLINE PARKER ROAD STA. 1502+00

INCLUDED IN THE COST OF
TEMPORARY TRAFFIC SIGNAL INSTALLATION



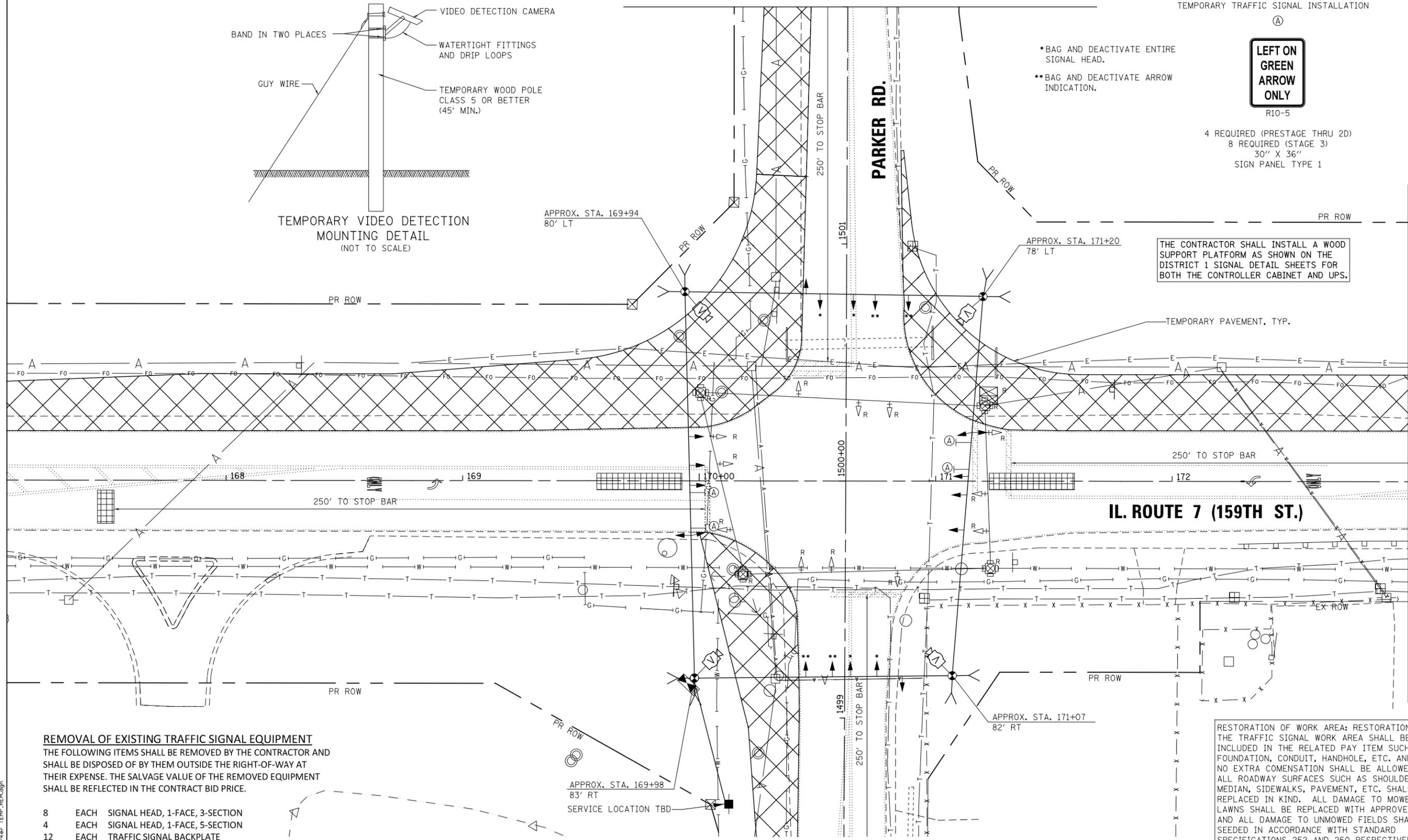
- *BAG AND DEACTIVATE ENTIRE SIGNAL HEAD.
- **BAG AND DEACTIVATE ARROW INDICATION.

LEFT ON GREEN ARROW ONLY

R10-5

4 REQUIRED (PRESTAGE THRU 2D)
8 REQUIRED (STAGE 3)
30" X 36"
SIGN PANEL TYPE 1

THE CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.



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

- 8 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 4 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 12 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH WOOD POLE
- 1 L SUM SPAN WIRE AND ACCESSORIES
- 1 EACH SERVICE INSTALLATION
- 1 EACH CONTROLLER AND CABINET (COMPLETE)

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC. AND NO EXTRA COMENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

MATCHLINE PARKER ROAD STA. 1498+50
TEMPORARY TRAFFIC SIGNAL INSTALLATION
PRE-STAGE 1



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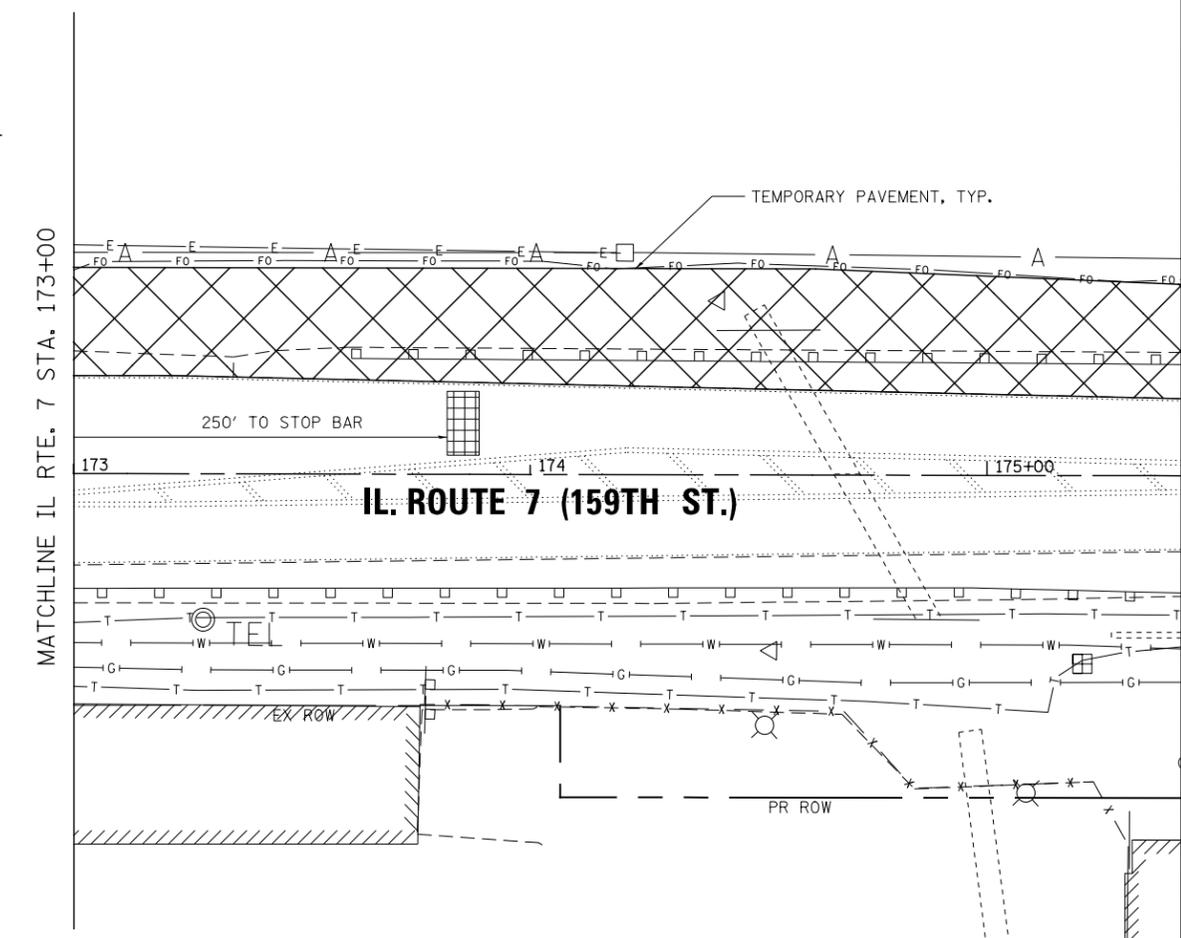
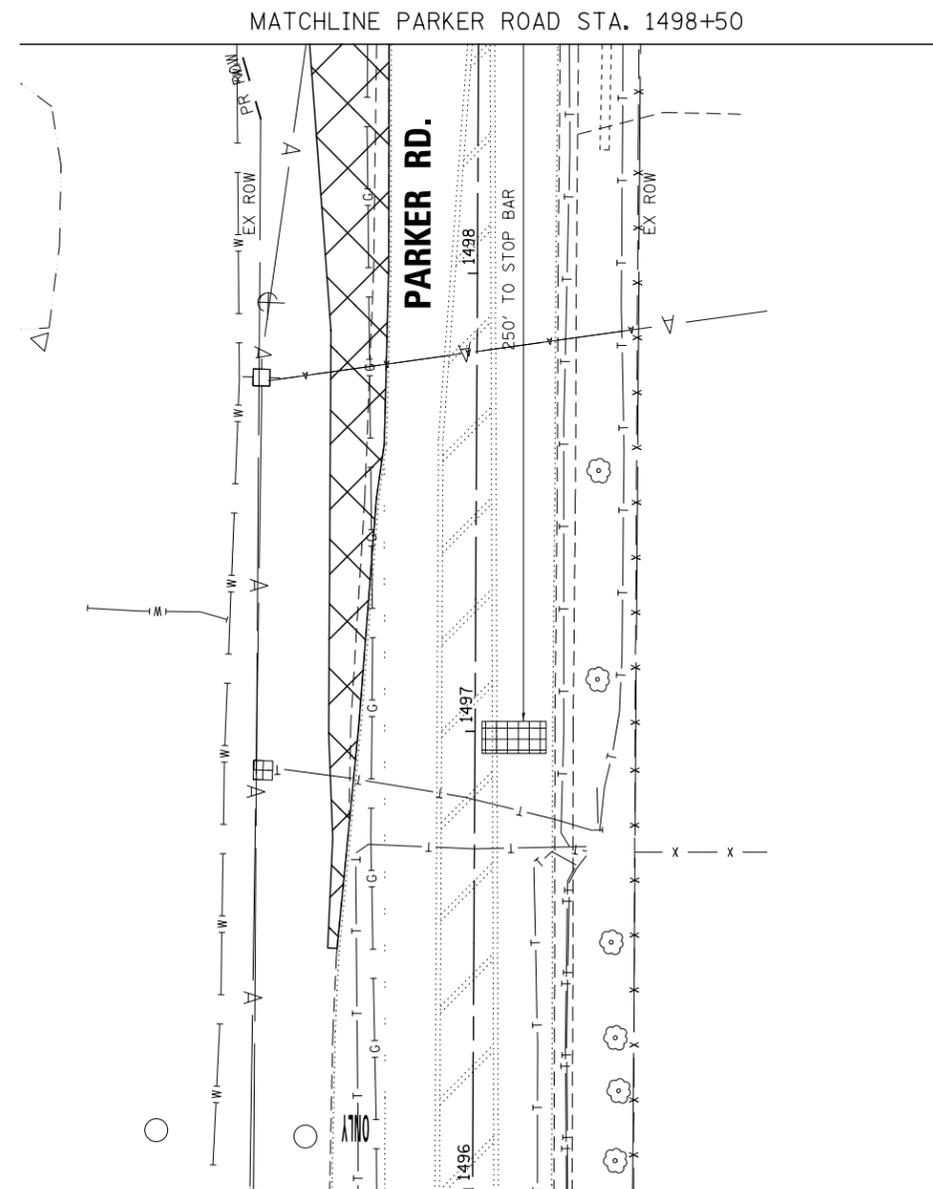
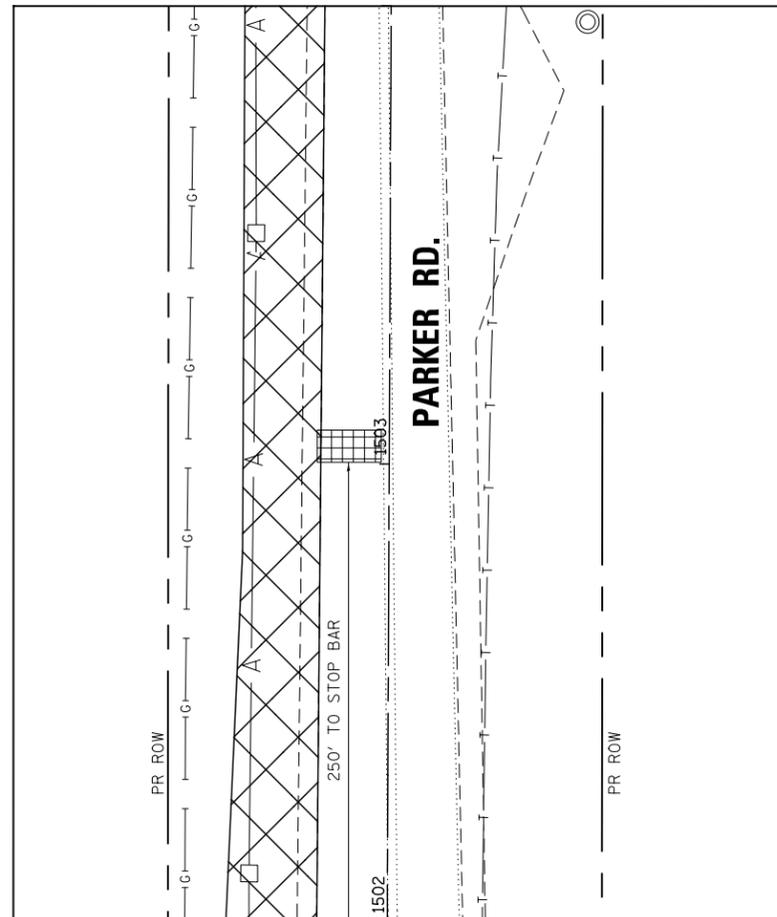
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DRAWN MJM	REVISED -	
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PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
& REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
ILLINOIS ROUTE 7 AND PARKER RD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	646
TS-14		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				

SCALE: AS SHOWN SHEET NO. 14 OF 64 SHEETS STA. TO STA.



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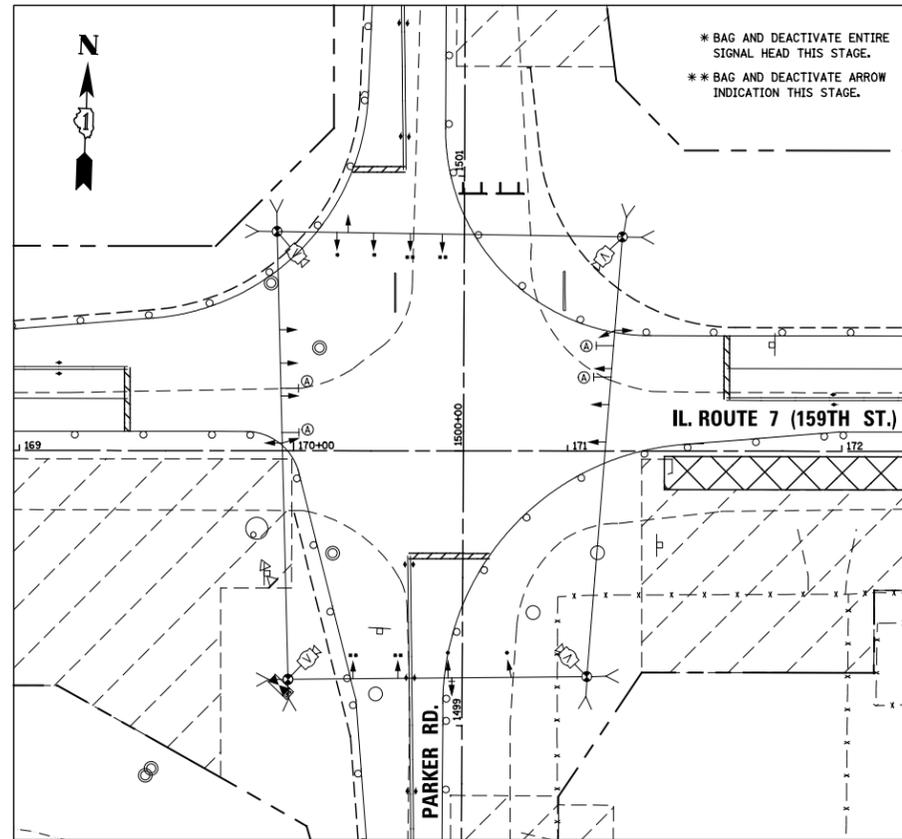
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DRAWN MJM	REVISED -	
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PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

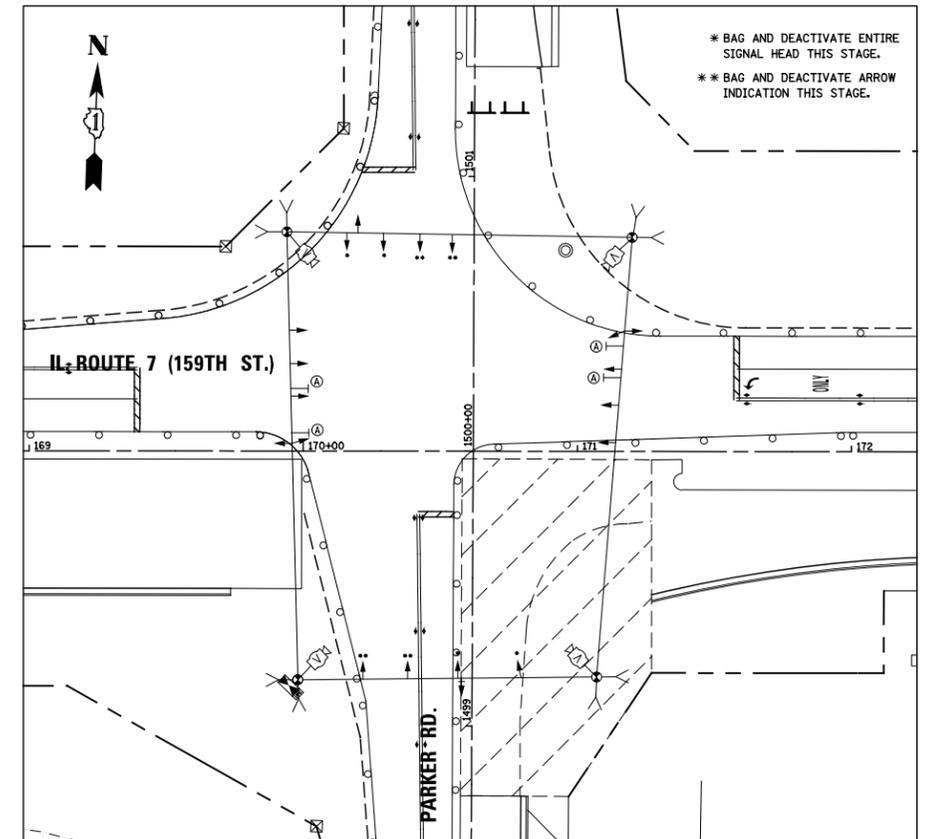
**TEMPORARY TRAFFIC SIGNAL INSTALLATION
ILLINOIS ROUTE 7 AND PARKER RD**

SCALE: AS SHOWN SHEET NO. 15 OF 64 SHEETS STA. TO STA.

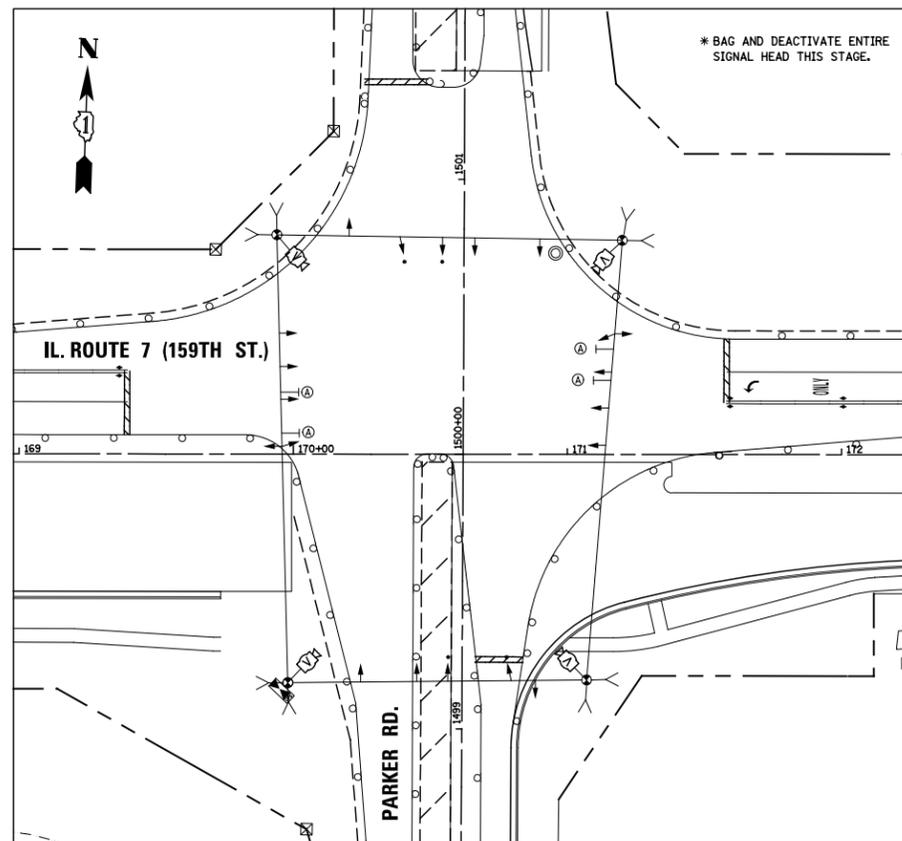
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	647
TS-15			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				



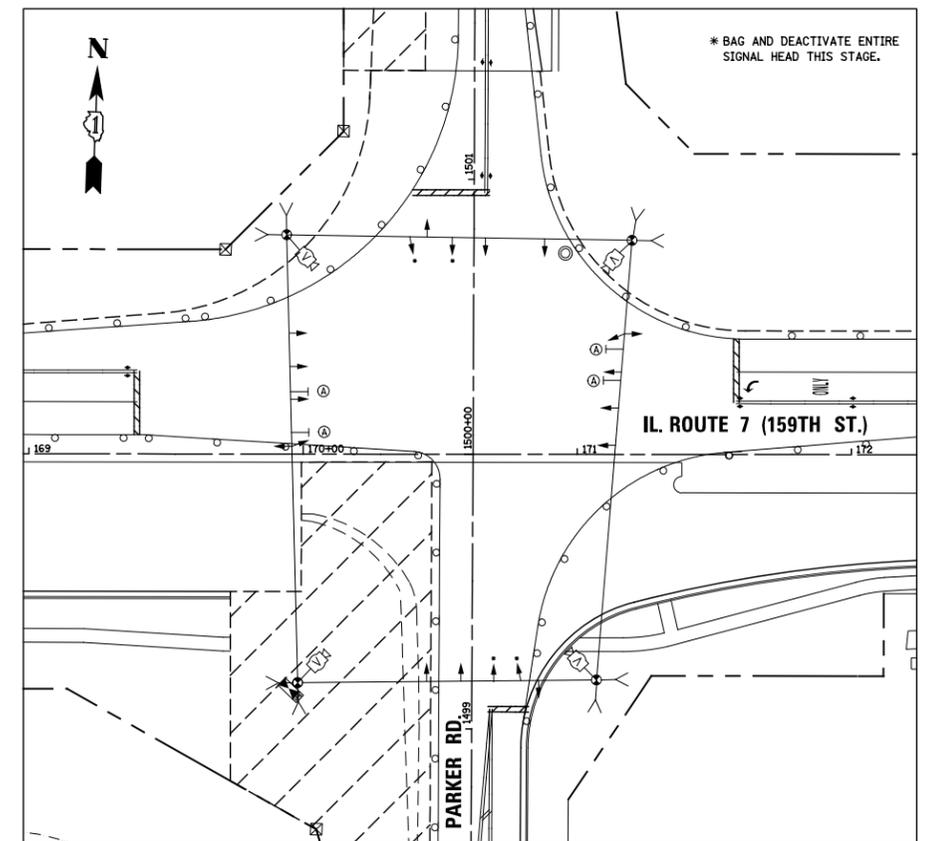
TEMPORARY TRAFFIC SIGNAL STAGE 1



TEMPORARY TRAFFIC SIGNAL STAGE 1A



TEMPORARY TRAFFIC SIGNAL STAGE 1B



TEMPORARY TRAFFIC SIGNAL STAGE 1C, 1D

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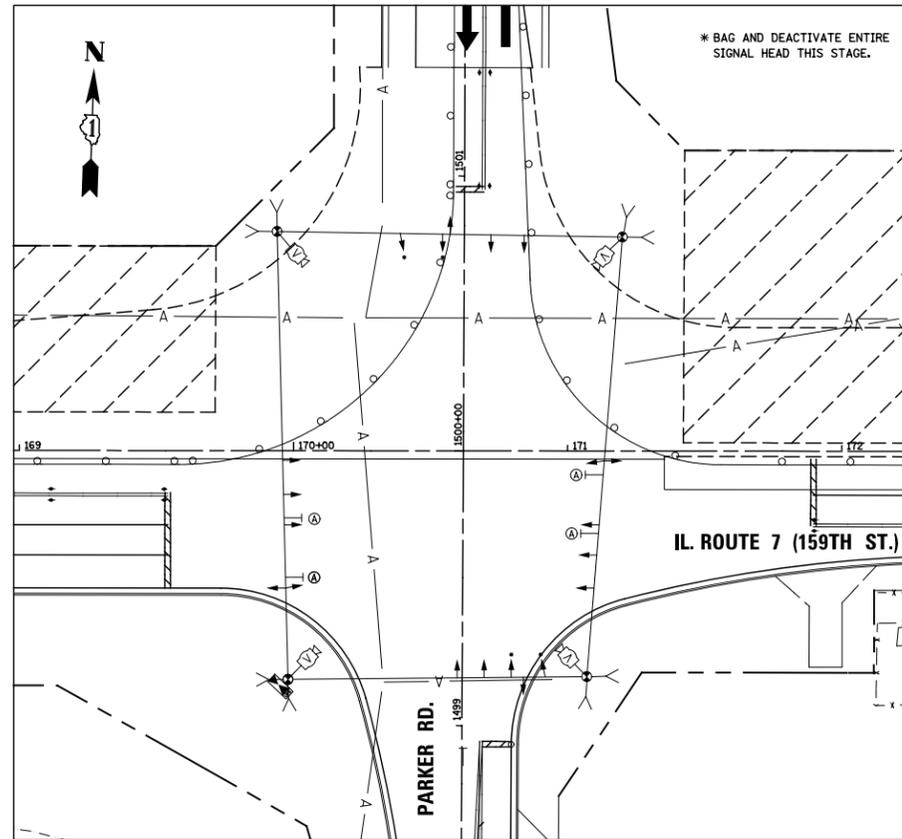
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PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

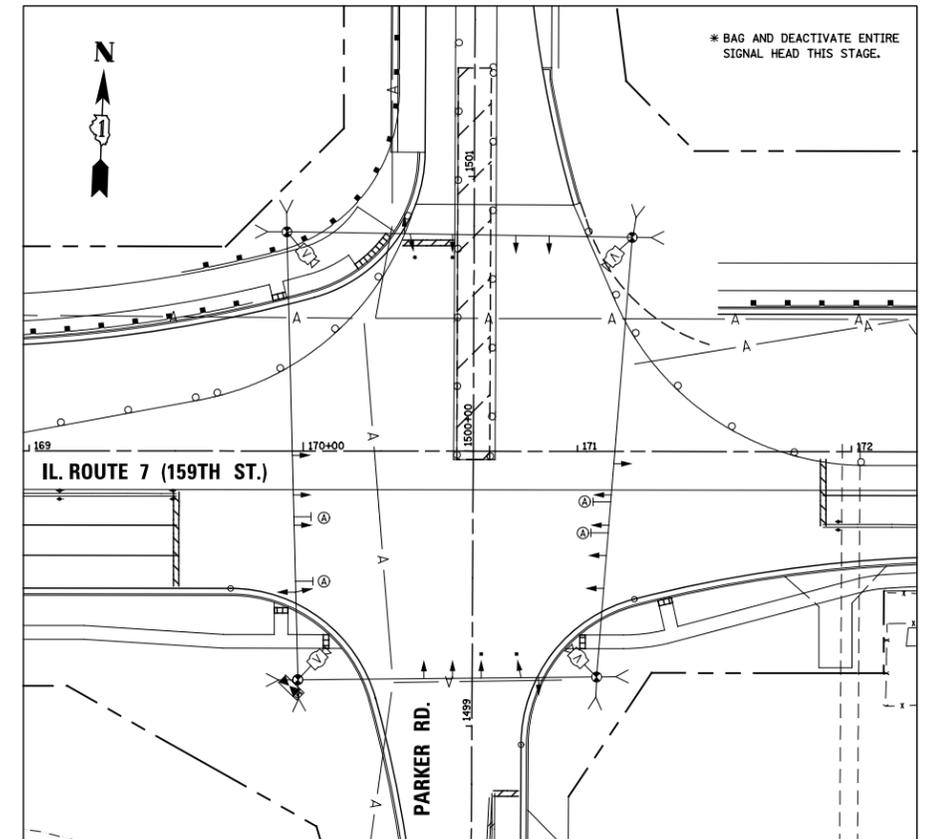
TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGING 1-1D
ILLINOIS ROUTE 7 AND PARKER RD

SCALE: AS SHOWN SHEET NO. 16 OF 64 SHEETS STA. TO STA.

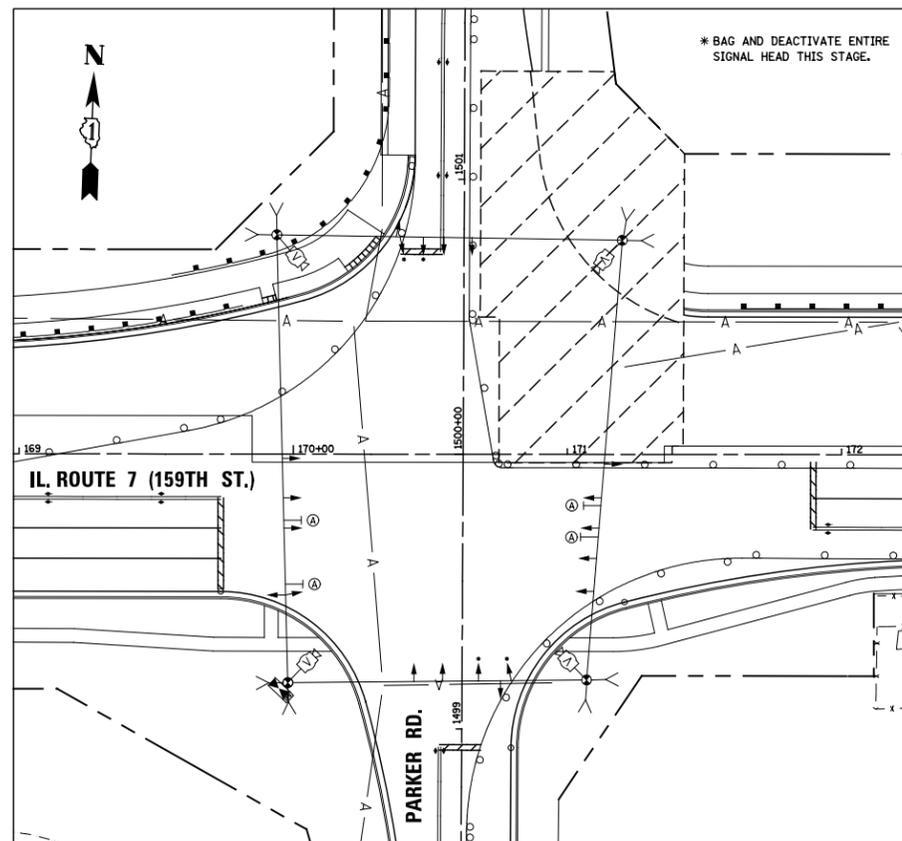
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	648
TS-16			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				



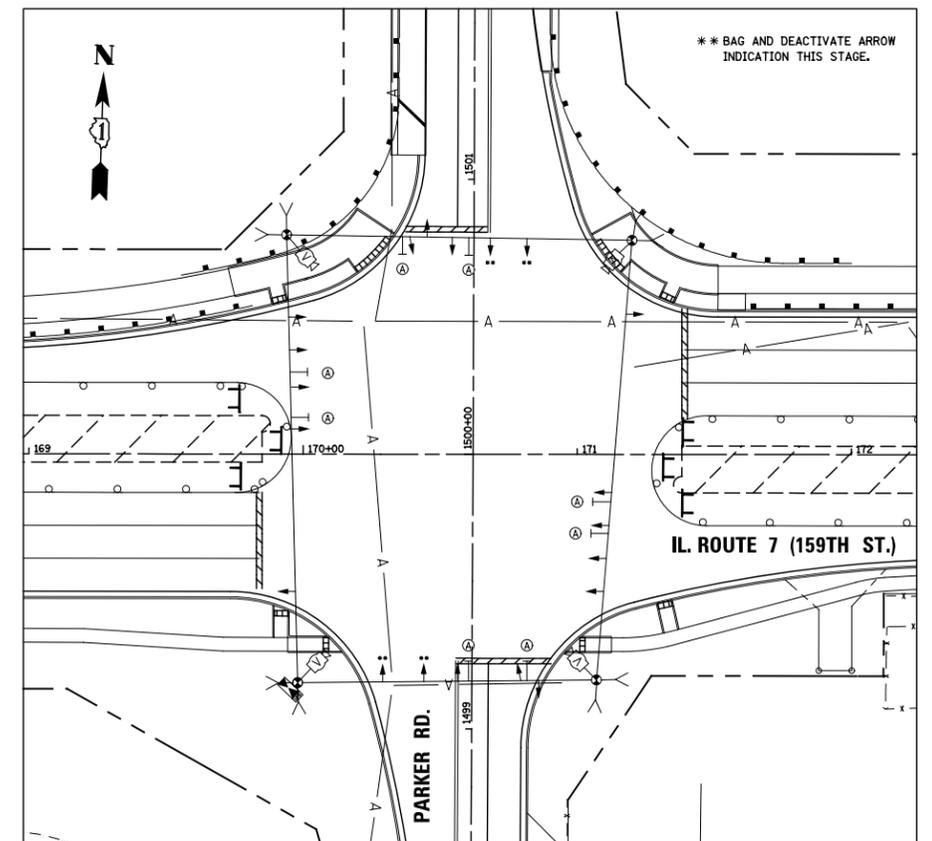
TEMPORARY TRAFFIC SIGNAL STAGE 2



TEMPORARY TRAFFIC SIGNAL STAGE 2A, 2B



TEMPORARY TRAFFIC SIGNAL STAGE 2C, 2D



TEMPORARY TRAFFIC SIGNAL STAGE 3

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	DRAWN MJM	REVISED -
PLOT SCALE = 1/4"=1'	CHECKED PJO	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGING 2-3
ILLINOIS ROUTE 7 AND PARKER RD

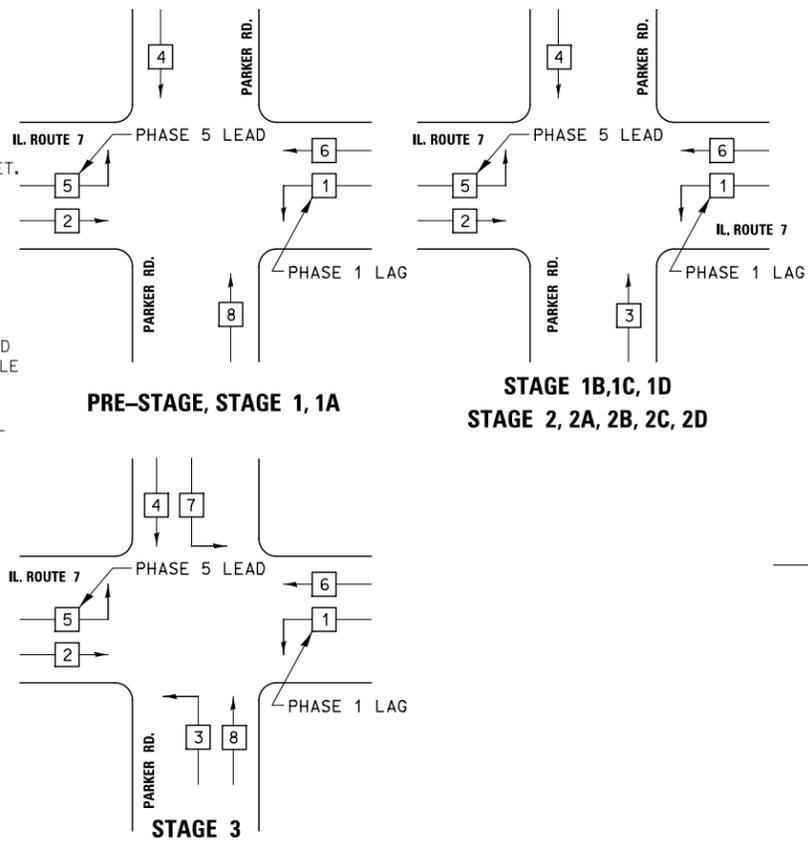
SCALE: AS SHOWN SHEET NO. 17 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	649
TS-17		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				

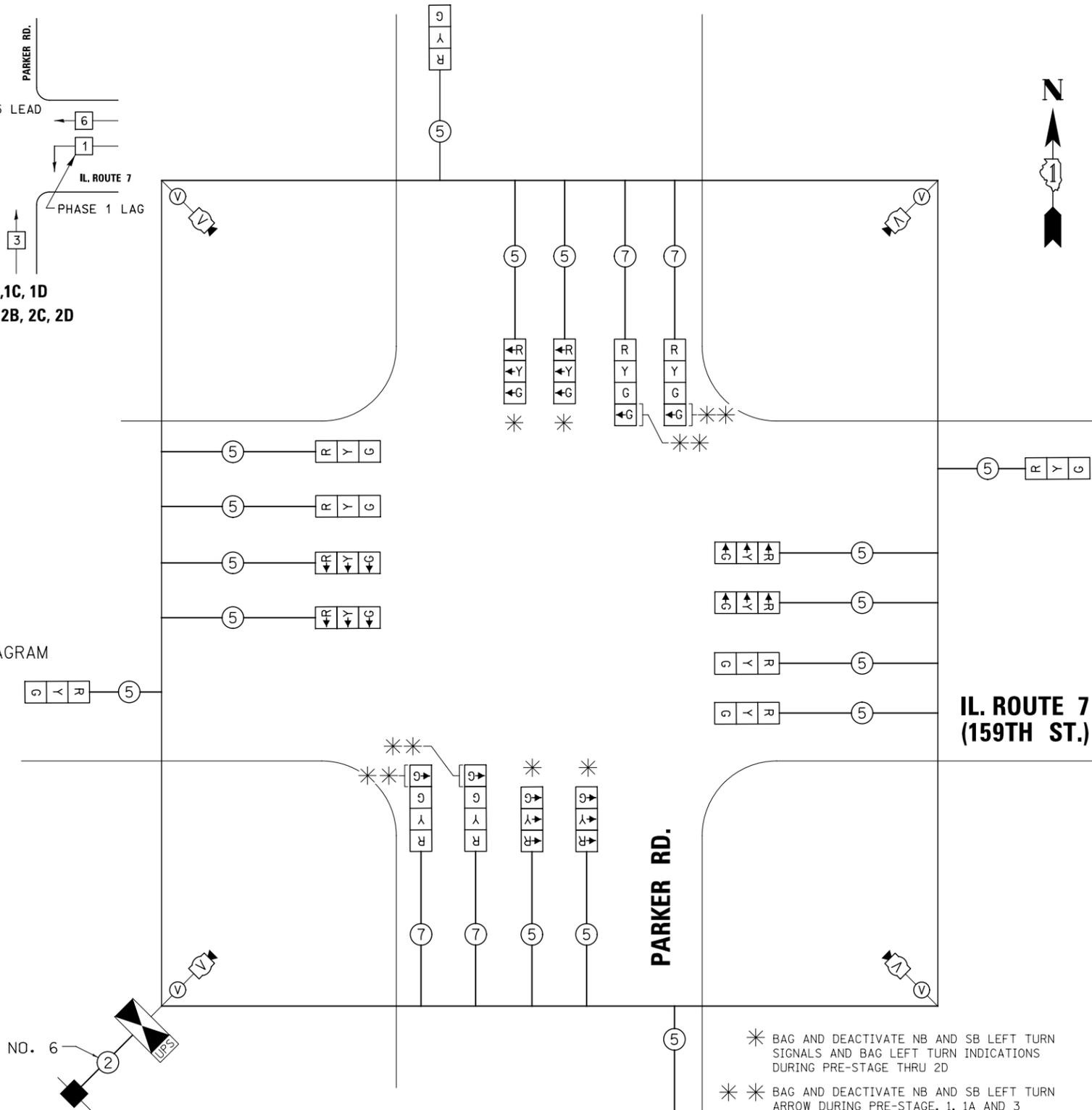
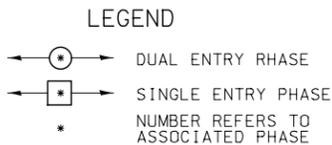
NOTES FOR TEMPORARY TRAFFIC SIGNALS

- 1) ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 2) ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS 232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ON BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- 3) ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER, HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT RAILROAD INTERSECTIONS. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- 4) ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- 5) ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 6) THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF TURN ON. IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF TURN ON.
- 7) UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- 8) TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- 9) DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- 10) WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM



I. D. O. T.					
TRAFFIC SIGNAL INSTALLATION					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	20		17	0.50	170
(YELLOW)	20		25	0.25	125
(GREEN)	20		15	0.25	75
ARROW			12	0.10	0
PED. SIGNAL			25	1.00	0
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
ILLUM. SIGN			90	0.50	0
TOTAL =					620

ENERGY COSTS - BILLED TO: Village of Homer Glen
14933 S. Founders Crossing
Homer Glen, IL 60491

ENERGY SUPPLY - CONTACT Scott Bertrand
 PHONE Commonwealth Edison
(815)768-6278

USER NAME = mmoestra	DESIGNED MJM	REVISED -
DRAWN MJM	REVISED -	
PLOT SCALE = 1:40.013	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE
DESIGNATION DIAGRAM & EVP SEQUENCE FOR
ILLINOIS ROUTE 7 AND PARKER RD

SCALE: AS SHOWN SHEET NO. 18 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	650
TS-18		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC. AND NO EXTRA COMENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

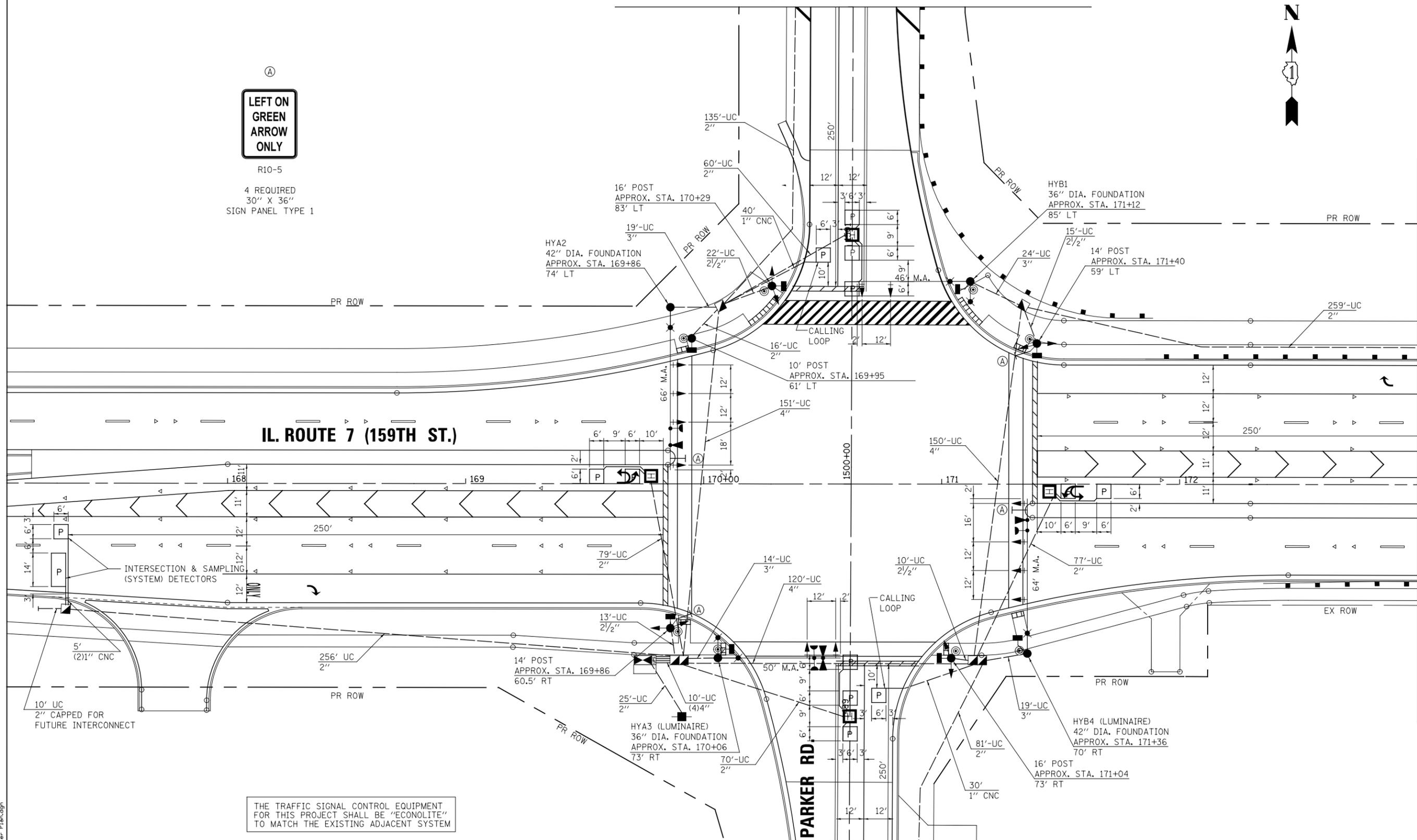
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MATCHLINE PARKER ROAD STA. 1502+00



Ⓐ
**LEFT ON GREEN
ARROW
ONLY**

R10-5
4 REQUIRED
30" X 36"
SIGN PANEL TYPE 1



IL. ROUTE 7 (159TH ST.)

PARKER RD

MATCHLINE PARKER ROAD STA. 1498+50

MATCHLINE IL RTE. 7 STA. 173+00

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



FILE NAME = D:\680_71-shit-ts_02F Parker_Plan.dgn

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	DRAWN MJM	REVISED -
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PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLAN SHEET
ILLINOIS ROUTE 7 AND PARKER RD**

SCALE: AS SHOWN SHEET NO. 19 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	651
TS-19			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				



INTERSECTION & SAMPLING (SYSTEM) DETECTORS

8' 1" CNC

131'-UC 2"

PR ROW

250'

12'

12'

ATNO

PARKER RD.

PR ROW

MATCHLINE PARKER ROAD STA. 1502+00

MATCHLINE PARKER ROAD STA. 1498+50

EX ROW PR ROW

PARKER RD.

1498

ONLY

1497

1496

250'

12'

12'

175'-UC 2"

EX ROW

INTERSECTION & SAMPLING (SYSTEM) DETECTORS

6'

6'

3'

9'

1" CNC

ATNO

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

MATCHLINE IL RTE. 7 STA. 173+00

PR ROW

5' (21" CNC)

INTERCONNECT TO NORTH BELL ROAD

INTERSECTION & SAMPLING (SYSTEM) DETECTORS

ONLY

12'

12'

12'

11'

11'

250'

13'

3'

6'

3'

6'

3'

173

174

175+00

IL. ROUTE 7 (159TH ST.)

EX ROW

PR ROW



FILE NAME = D:\60L71-shit-ts_020_Parker_Plan.dgn

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DRAWN MJM	REVISIONS -	
PLOT SCALE = 1:40.013	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN SHEET
ILLINOIS ROUTE 7 AND PARKER RD

SCALE: AS SHOWN SHEET NO. 20 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	652
TS-20			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNALS SCHEDULE OF QUANTITIES, ILLINOIS ROUTE 7 AND PARKER ROAD		
ITEM	UNIT	TOTAL
SIGN PANEL, TYPE 1	SQ. FT.	45
SIGN PANEL, TYPE 2	SQ. FT.	25
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1374
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	60
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	76
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	461
HANDHOLE	EACH	6
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
** ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	4608
** LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	6
* FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, (SPECIAL)	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1617
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2357
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3981
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	950
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3617
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	60
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	962
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 66 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	46
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	12
DETECTOR LOOP, TYPE I	FOOT	54
PREFORMED DETECTOR LOOP	FOOT	577
** LIGHT DETECTOR	EACH	4
** LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
** EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	784
** UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
** LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	6
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

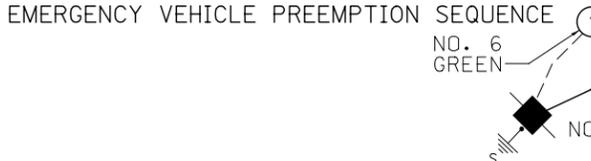
* SUPER P CABINET
 ** 100% COST TO VILLAGE OF HOMER GLEN

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	20		17	0.50	170
(YELLOW)	20		25	0.25	125
(GREEN)	20		15	0.25	75
ARROW	4		12	0.10	5
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
ILLUM. SIGN			90	0.50	0
LUMINAIRE	6	457		0.50	1371
TOTAL =					2046

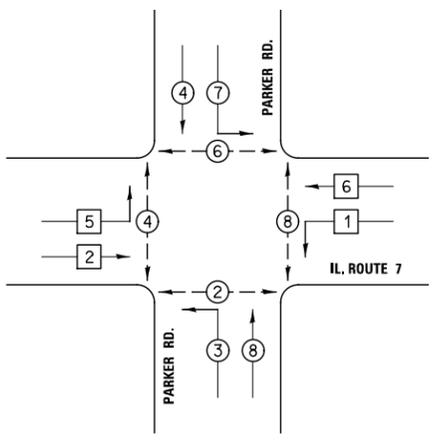
ENERGY COSTS - BILLED TO: Village of Homer Glen
 14933 S. Founders Crossing
 Homer Glen, IL 60491

ENERGY SUPPLY - CONTACT: Scott Bertrand
 PHONE: Commonwealth Edison
 (815) 768-6278

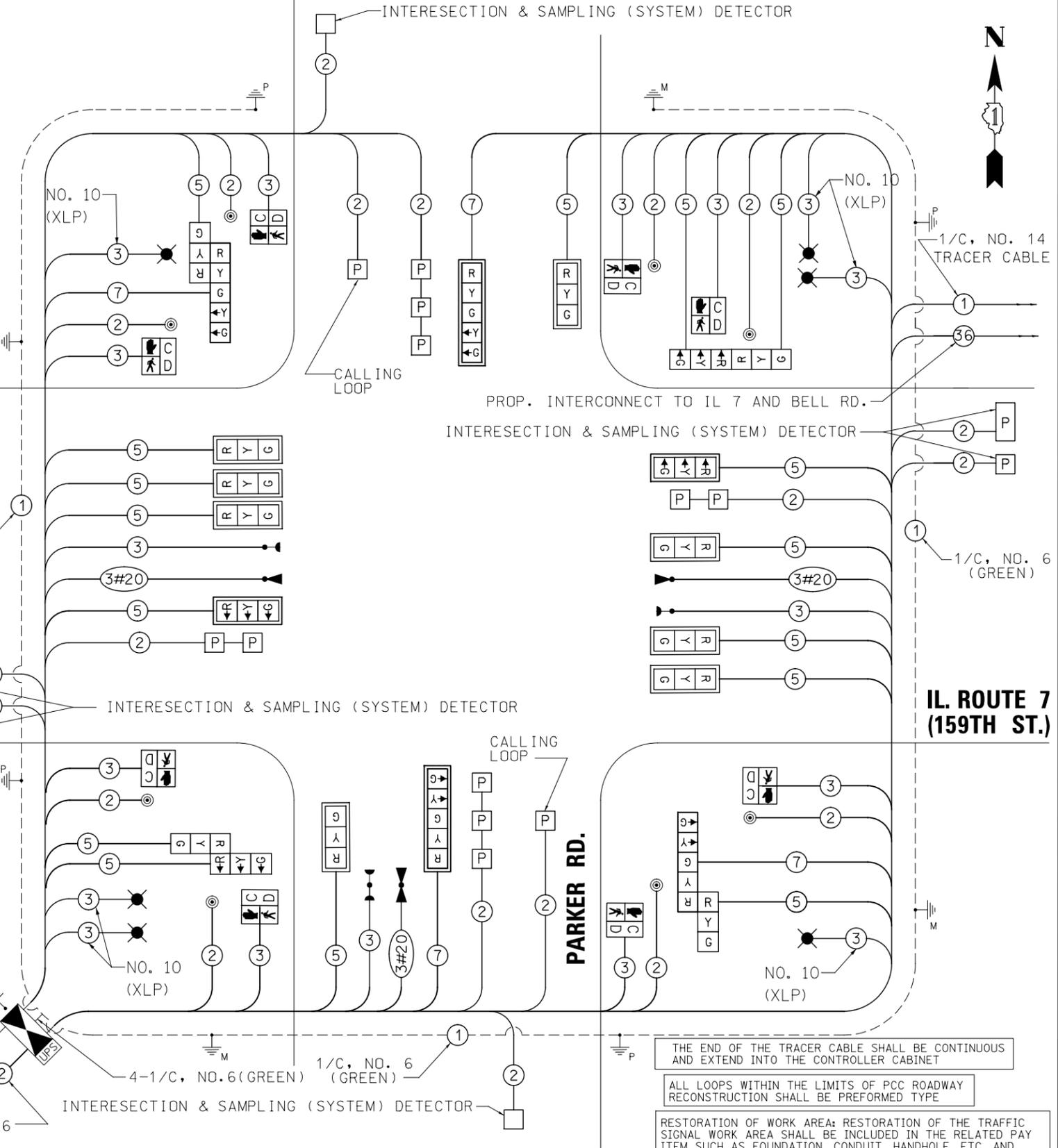
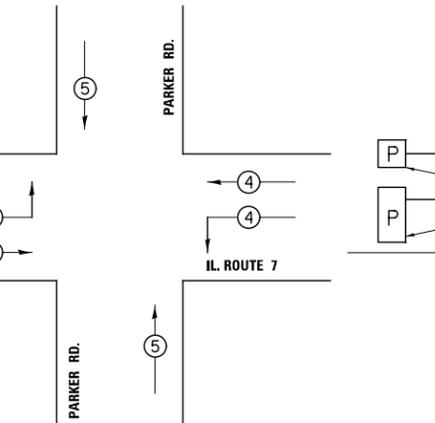
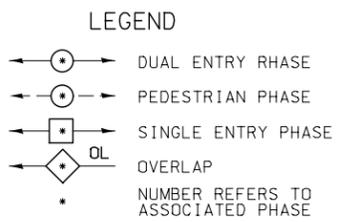
PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			



CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



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

ALL LOOPS WITHIN THE LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PREFORMED TYPE

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC. AND NO EXTRA COMENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVLY.

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

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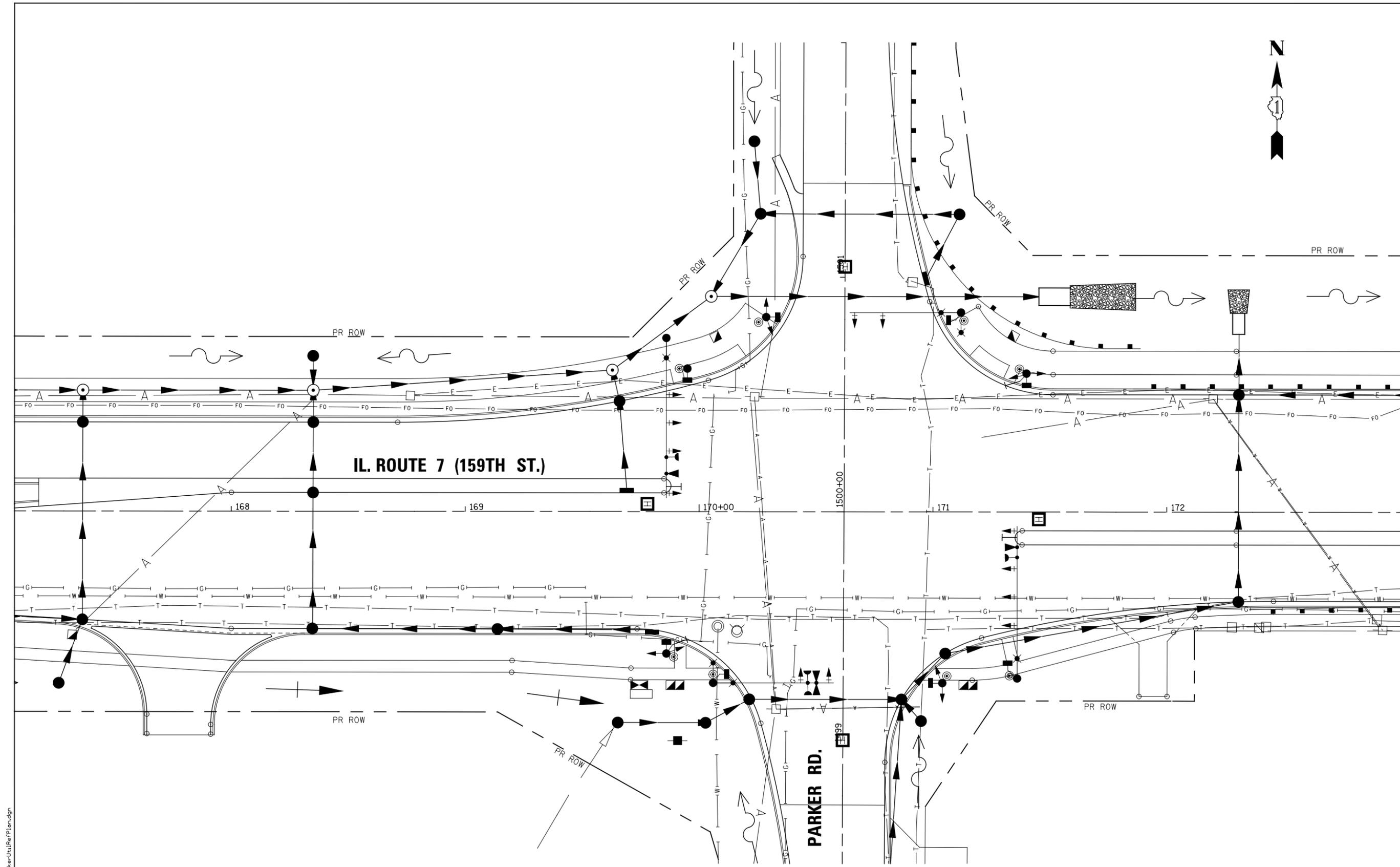
USER NAME = mmoestra	DESIGNED MJM	REVISED -
PLOT SCALE = 1:40.013	DRAWN MJM	REVISED -
PLOT DATE = 8/15/2014	CHECKED PJO	REVISED -
	DATE 8/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

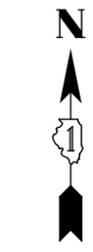
TRAFFIC SIGNAL CABLE PLAN, SCHEDULE OF QUANTITIES,
PHASE DESIGNATION DIAGRAM & EVP SEQUENCE SHEET
ILLINOIS ROUTE 7 AND PARKER RD

SCALE: AS SHOWN SHEET NO. 21 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	653
TS-21		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				



FILE NAME = D:\680_71-shht-ts_021 Parker\Utility\RefPlan.dgn



USER NAME = mmaestra	DESIGNED MJM	REVISED -
DRAWN MJM	REVISED -	
PLOT SCALE = 1:40.013	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**UTILITY REFERENCE PLAN
ILLINOIS ROUTE 7 AND PARKER RD**

SCALE: AS SHOWN SHEET NO. 22 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	654
TS-22			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

- 8 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 2 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 4 EACH TRAFFIC SIGNAL BACKPLATE
- 2 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 5 EACH TRAFFIC SIGNAL POST
- 1 EACH SERVICE INSTALLATION
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 1 EACH MASTER CONTROLLER

THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: VILLAGE OF HOMER GLEN

- 2 EACH LIGHT DETECTOR AND BEACON
- 1 EACH LIGHT DETECTOR AMPLIFIER

THE CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC. AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

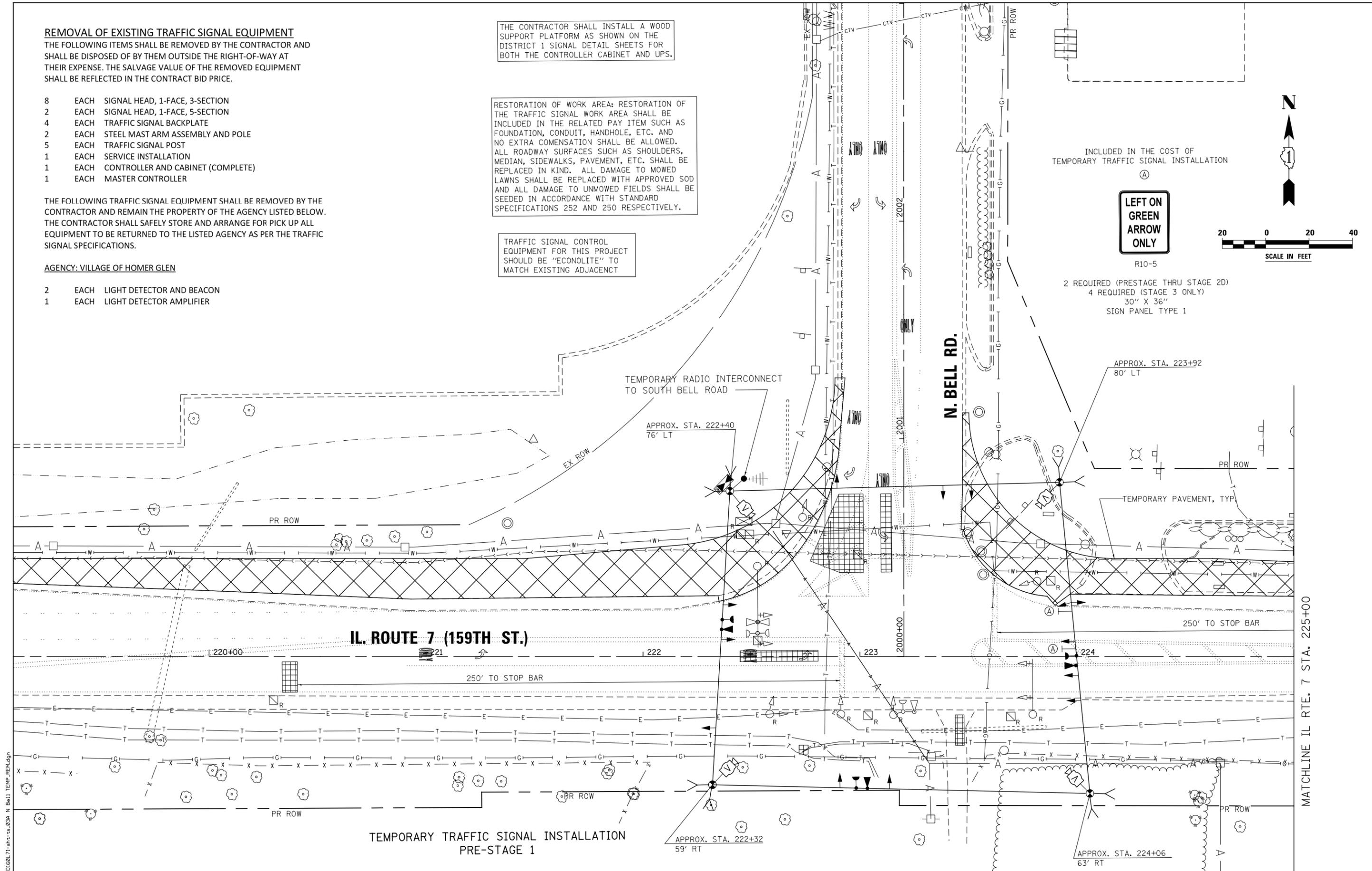
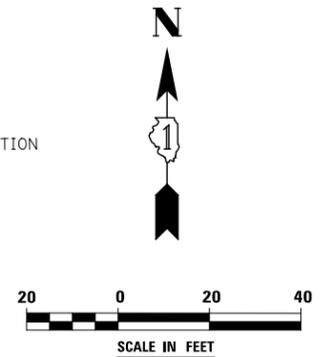
TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHOULD BE "ECONOLITE" TO MATCH EXISTING ADJACENT

INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION

LEFT ON GREEN ARROW ONLY

R10-5

2 REQUIRED (PRESTAGE THRU STAGE 2D)
4 REQUIRED (STAGE 3 ONLY)
30" X 36"
SIGN PANEL TYPE 1



IL. ROUTE 7 (159TH ST.)

N. BELL RD.

TEMPORARY TRAFFIC SIGNAL INSTALLATION
PRE-STAGE 1

MATCHLINE IL RTE. 7 STA. 225+00

FILE NAME = D:\60L71-shr-ts-02a N Bell TEMP.REM.dwg

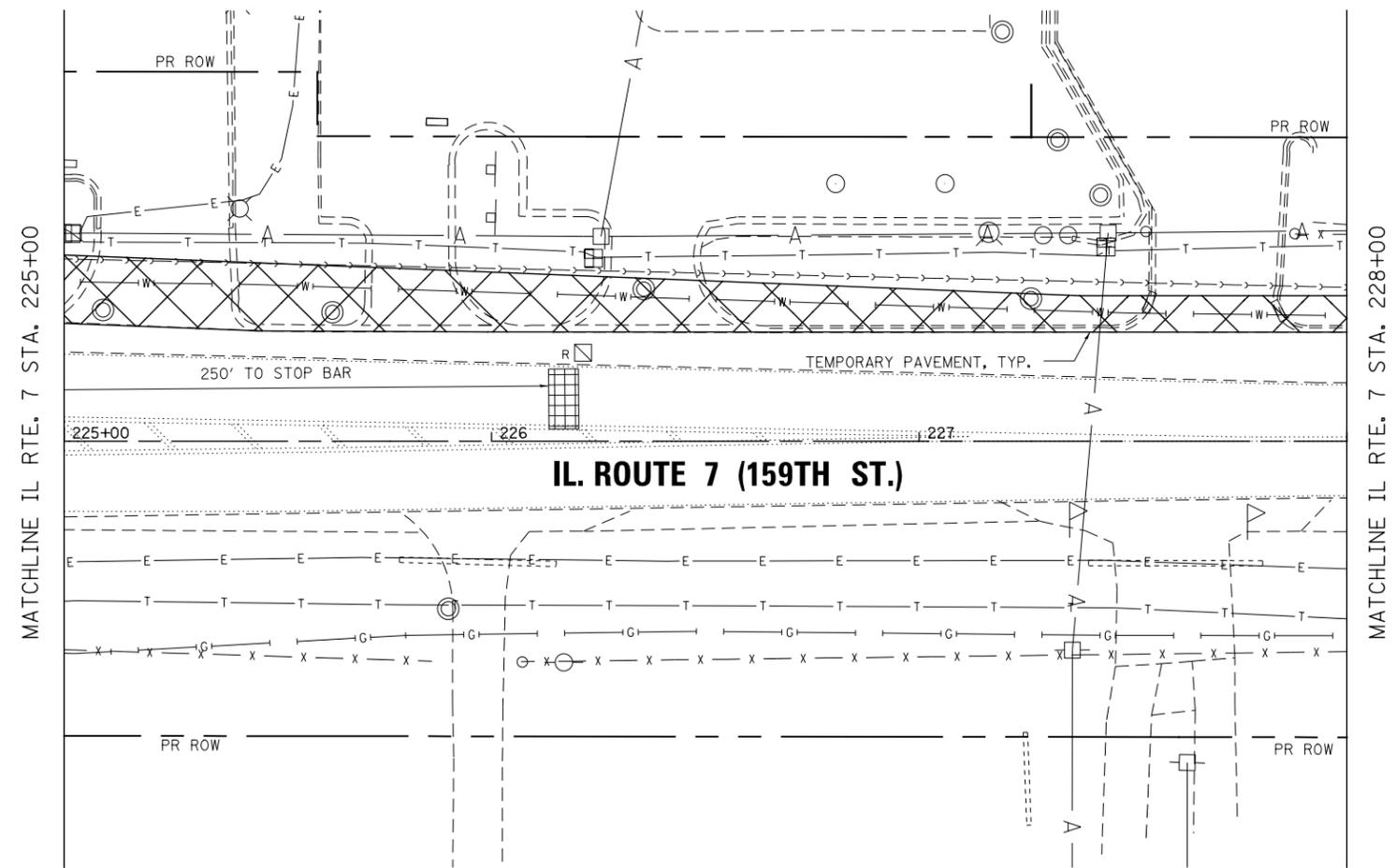
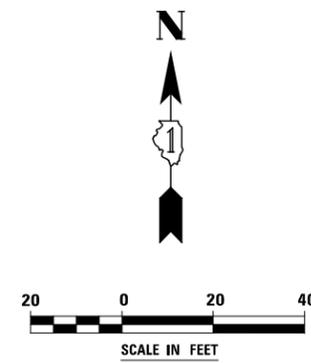
USER NAME = mmaestra	DESIGNED MJM	REVISED -
DRAWN MJM	REVISED -	
PLOT SCALE = 1:40,000	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION
& REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
ILLINOIS ROUTE 7 AND NORTH BELL RD**

F.A.P. RTE. 351	SECTION 536-R-1	COUNTY WILL	TOTAL SHEETS 1232	SHEET NO. 655
TS-23		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				

SCALE: AS SHOWN SHEET NO. 23 OF 64 SHEETS STA. TO STA.



TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHOULD BE "ECONOLITE" TO MATCH EXISTING ADJACENT

FILE NAME = D:\60L71-shht-ts-03B N Bell TEMP.REM.dgn

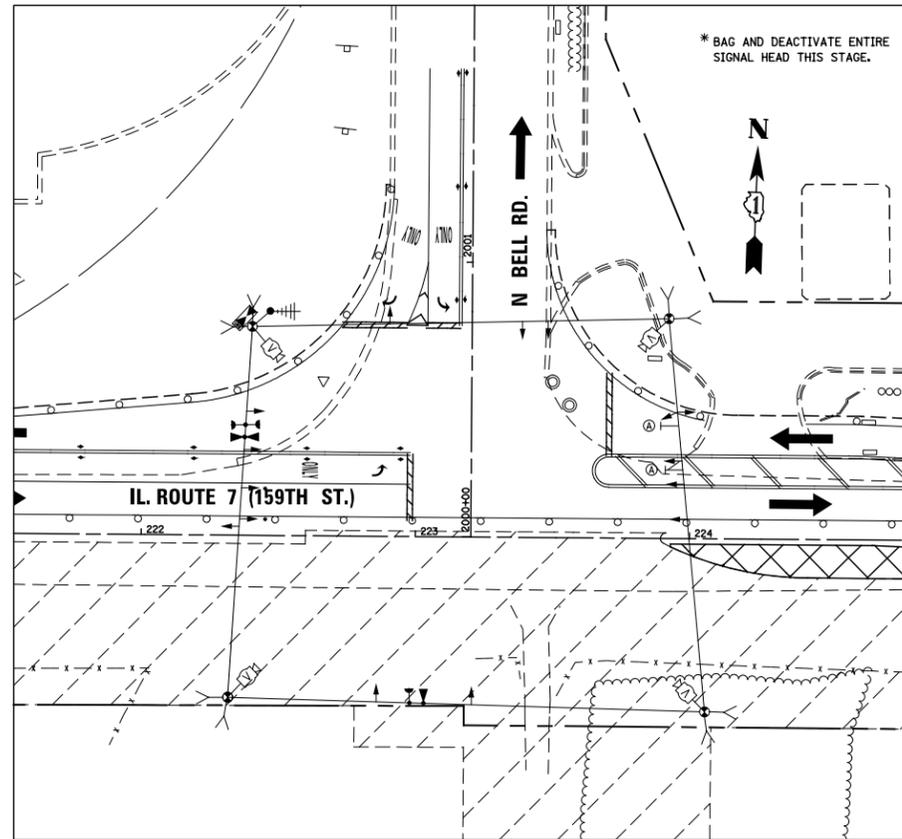
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DRAWN MJM	REVISED -	
PLOT SCALE = 1:40.0003	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

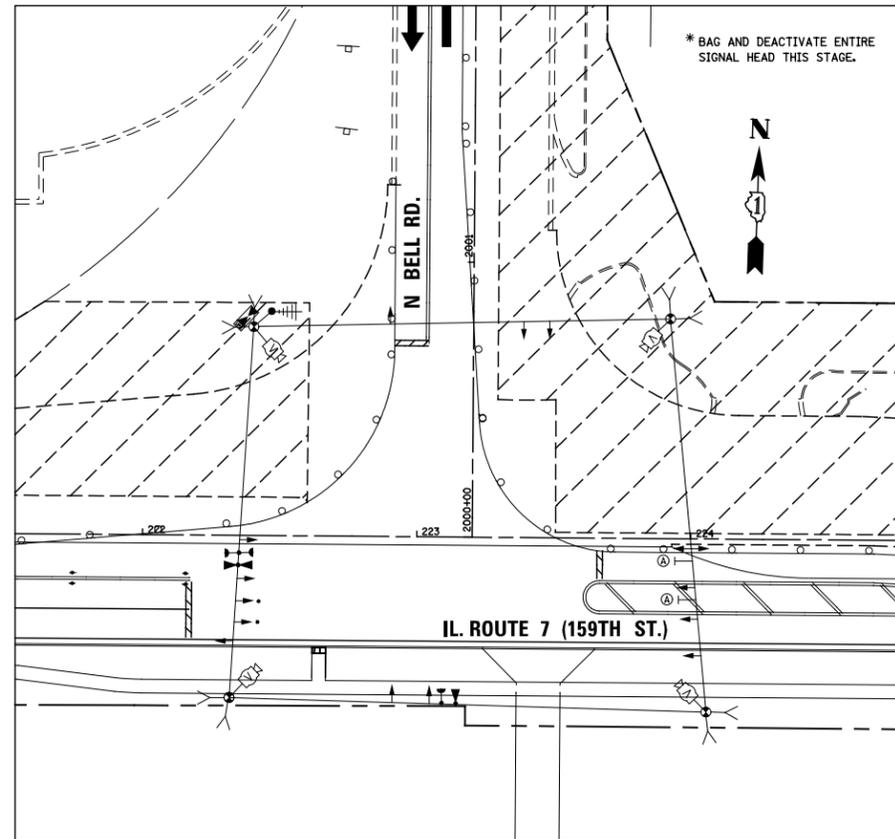
**TEMPORARY TRAFFIC SIGNAL INSTALLATION
ILLINOIS ROUTE 7 AND NORTH BELL RD**

SCALE: AS SHOWN SHEET NO. 24 OF 64 SHEETS STA. TO STA.

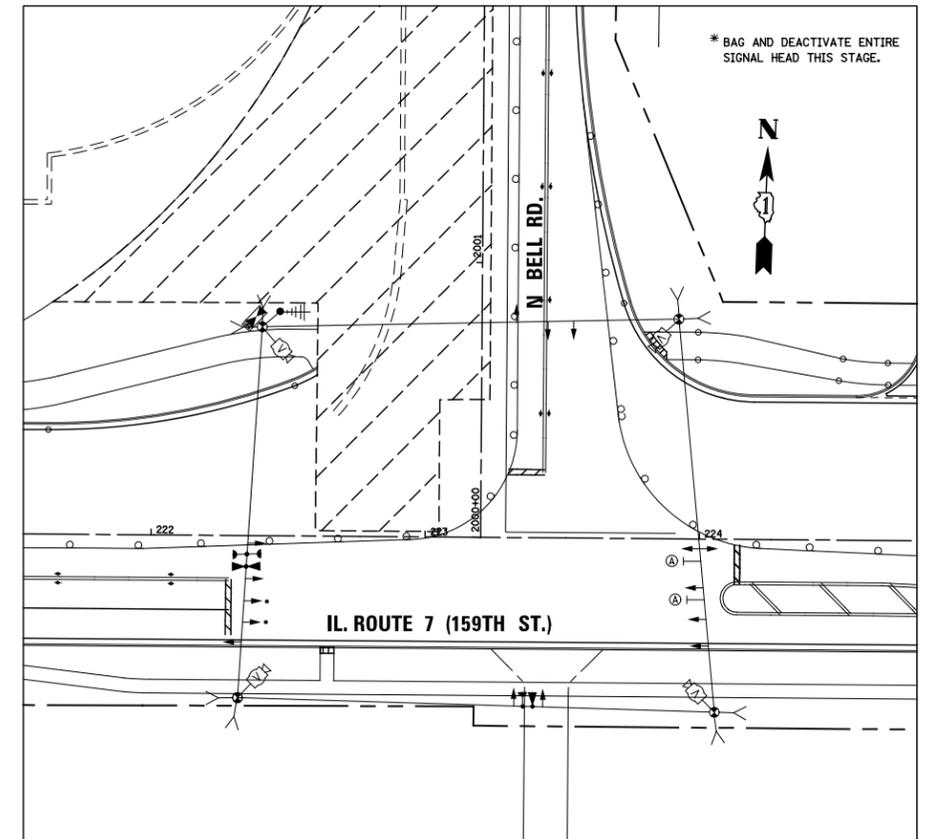
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	656
TS-24			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				



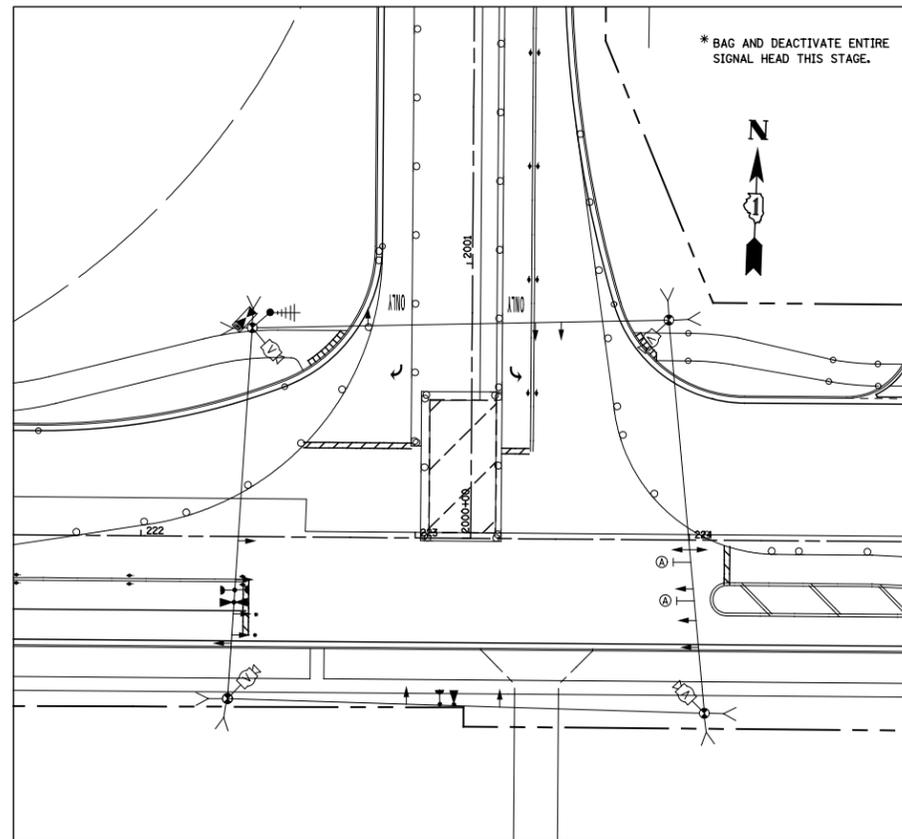
TEMPORARY TRAFFIC SIGNAL STAGE 1, 1A, 1B, 1C, 1D



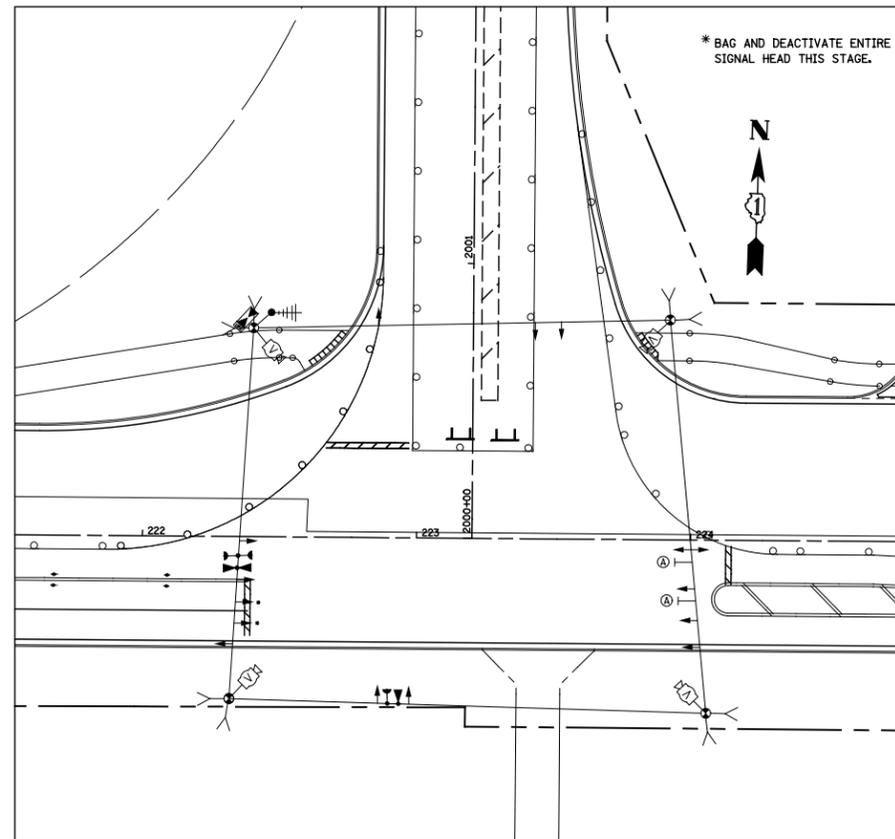
TEMPORARY TRAFFIC SIGNAL STAGE 2, 2A



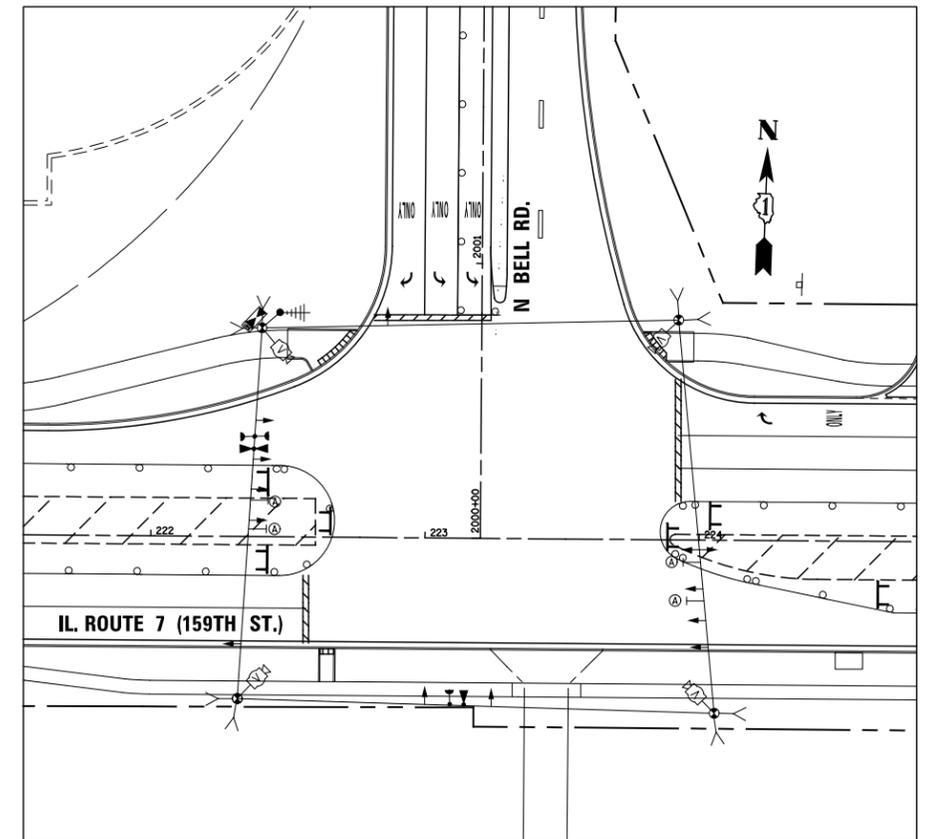
TEMPORARY TRAFFIC SIGNAL STAGE 2B



TEMPORARY TRAFFIC SIGNAL STAGE 2C



TEMPORARY TRAFFIC SIGNAL STAGE 2D



TEMPORARY TRAFFIC SIGNAL STAGE 3

FILE NAME = D:\60L71\shht-ts_03C N Bell TEMP STAGE.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
PLOT SCALE = 1:40.013	DRAWN MJM	REVISED -
PLOT DATE = 8/15/2014	CHECKED PJO	REVISED -
	DATE 8/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

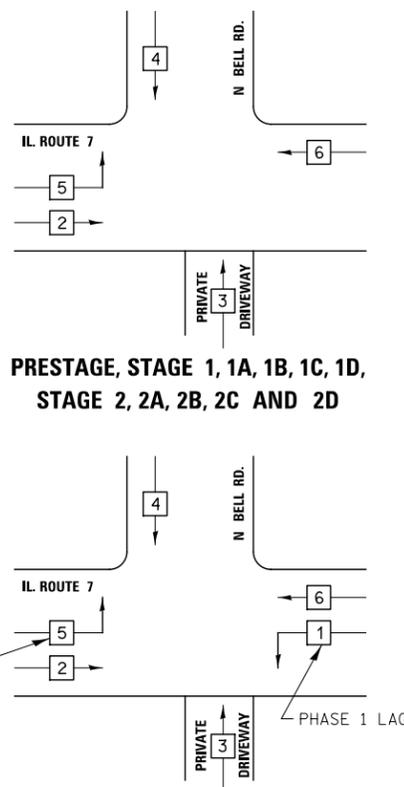
TEMPORARY TRAFFIC SIGNAL INSTALLATION		
STAGING 1-3		
ILLINOIS ROUTE 7 AND NORTH BELL RD		
SCALE: AS SHOWN	SHEET NO. 25 OF 64 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	657
TS-25			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

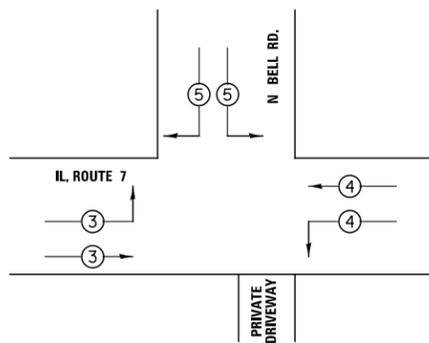
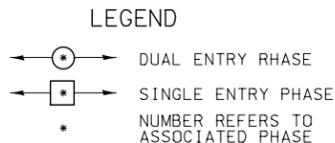
NOTES FOR TEMPORARY TRAFFIC SIGNALS

- 1) ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 2) ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS 232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- 3) ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER, HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT RAILROAD INTERSECTIONS. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- 4) ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- 5) ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 6) THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF TURN ON. IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF TURN ON.
- 7) UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- 8) TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- 9) DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- 10) WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

TEMPORARY CONTROLLER SEQUENCE

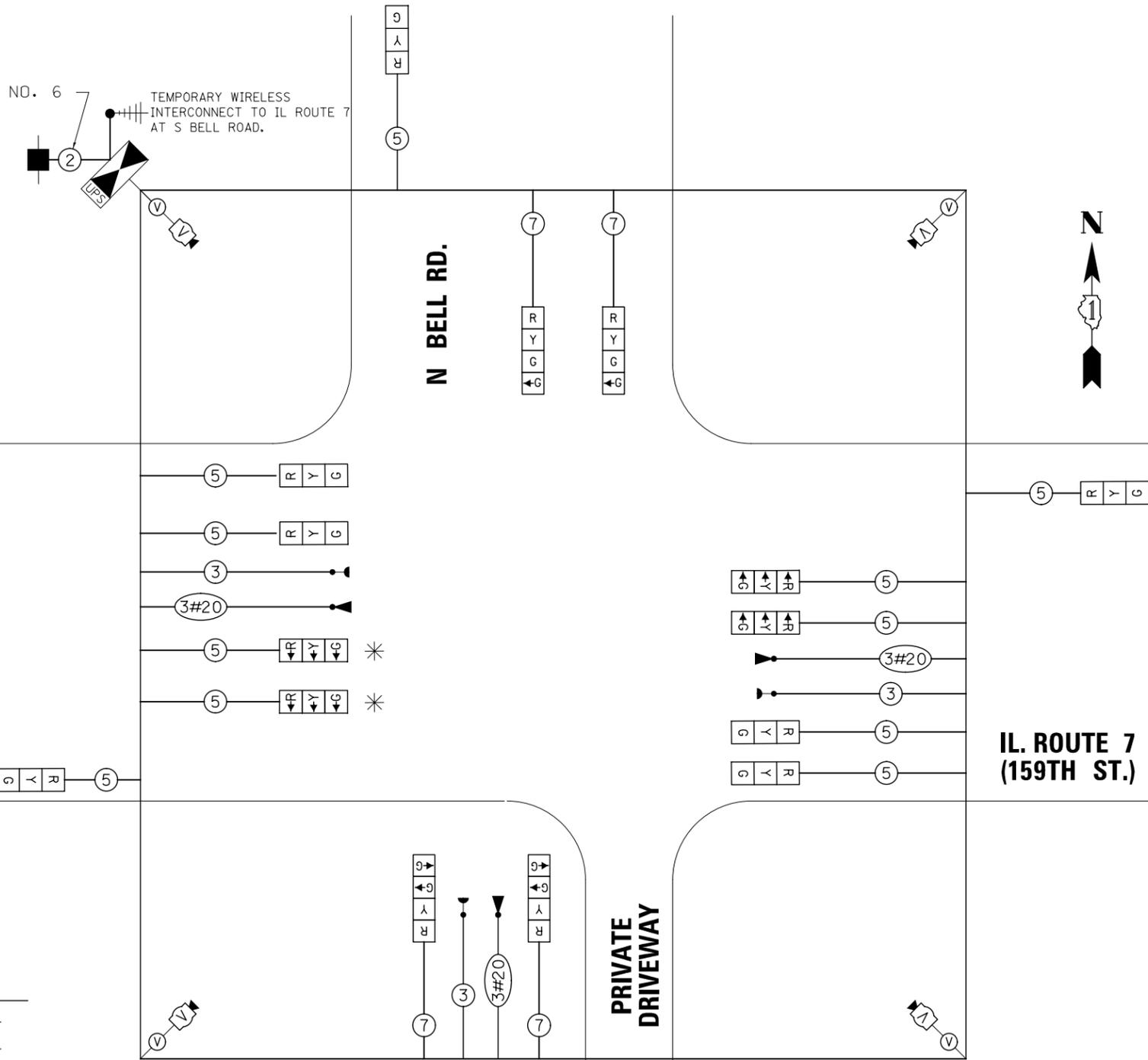


TEMPORARY PHASE DESIGNATION DIAGRAMS



PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	
MOVEMENT				

EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY CABLE PLAN

TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHOULD BE "ECONOLITE" TO MATCH EXISTING ADJACENT

* BAG AND DISCONNECT LEFT TURN SIGNAL HEADS PRESTAGE THROUGH STAGE 2D

ALL LOOPS WITHIN THE LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PERFORMED TYPE

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC. AND NO EXTRA COMENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	15		17	0.50	128
(YELLOW)	15		25	0.25	94
(GREEN)	19		15	0.25	71
ARROW			12	0.10	0
PED. SIGNAL			25	1.00	0
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
ILLUM. SIGN			90	0.50	0
TOTAL =					543

ENERGY COSTS - BILLED TO: Village of Homer Glen
14933 S. Founders Crossing
Homer Glen, IL 60491

ENERGY SUPPLY - CONTACT: Scott Bertrand
PHONE: Commonwealth Edison
(815) 768-6278

USER NAME = <u>mjoestra</u>	DESIGNED = <u>MJM</u>	REVISED =
	DRAWN = <u>MJM</u>	REVISED =
PLOT SCALE = <u>1:40.0003</u>	CHECKED = <u>PJO</u>	REVISED =
PLOT DATE = <u>8/15/2014</u>	DATE = <u>8/15/2014</u>	REVISED =

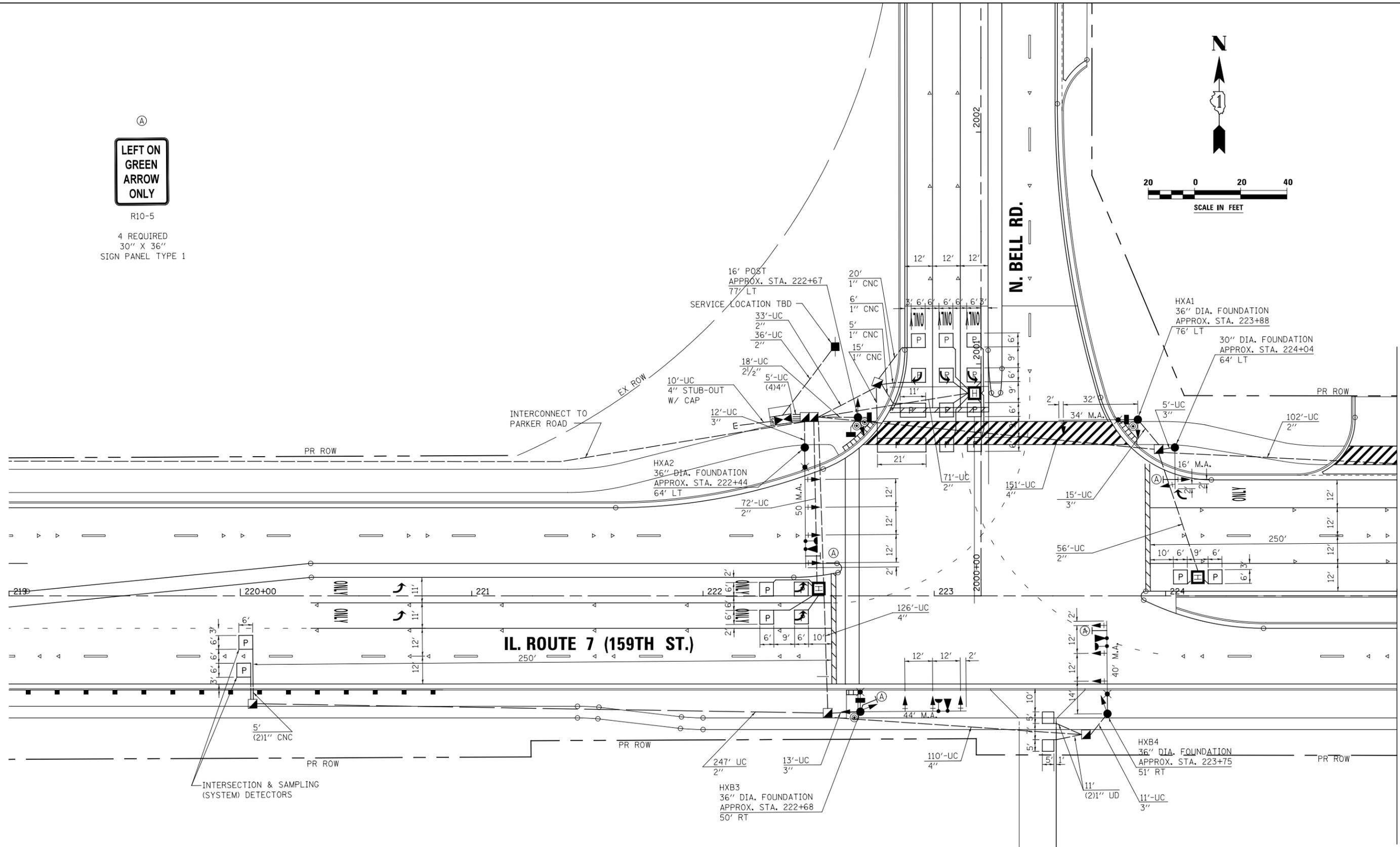
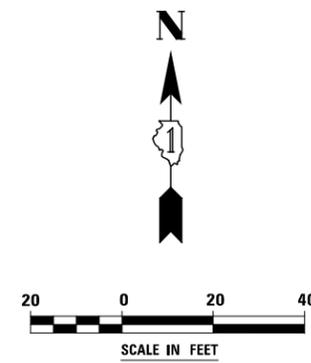
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM & EVP SEQUENCE FOR ILLINOIS ROUTE 7 AND NORTH BELL RD
SCALE: AS SHOWN SHEET NO. 26 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	658
TS-26		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\06\71\shht-ts-03D N Bell1 TEMPCable.dgn

Ⓐ
**LEFT ON GREEN
 ARROW
 ONLY**
 R10-5
 4 REQUIRED
 30" X 36"
 SIGN PANEL TYPE 1



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

FILE NAME = D:\6071-shht-ts-03E N Bell.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
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PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

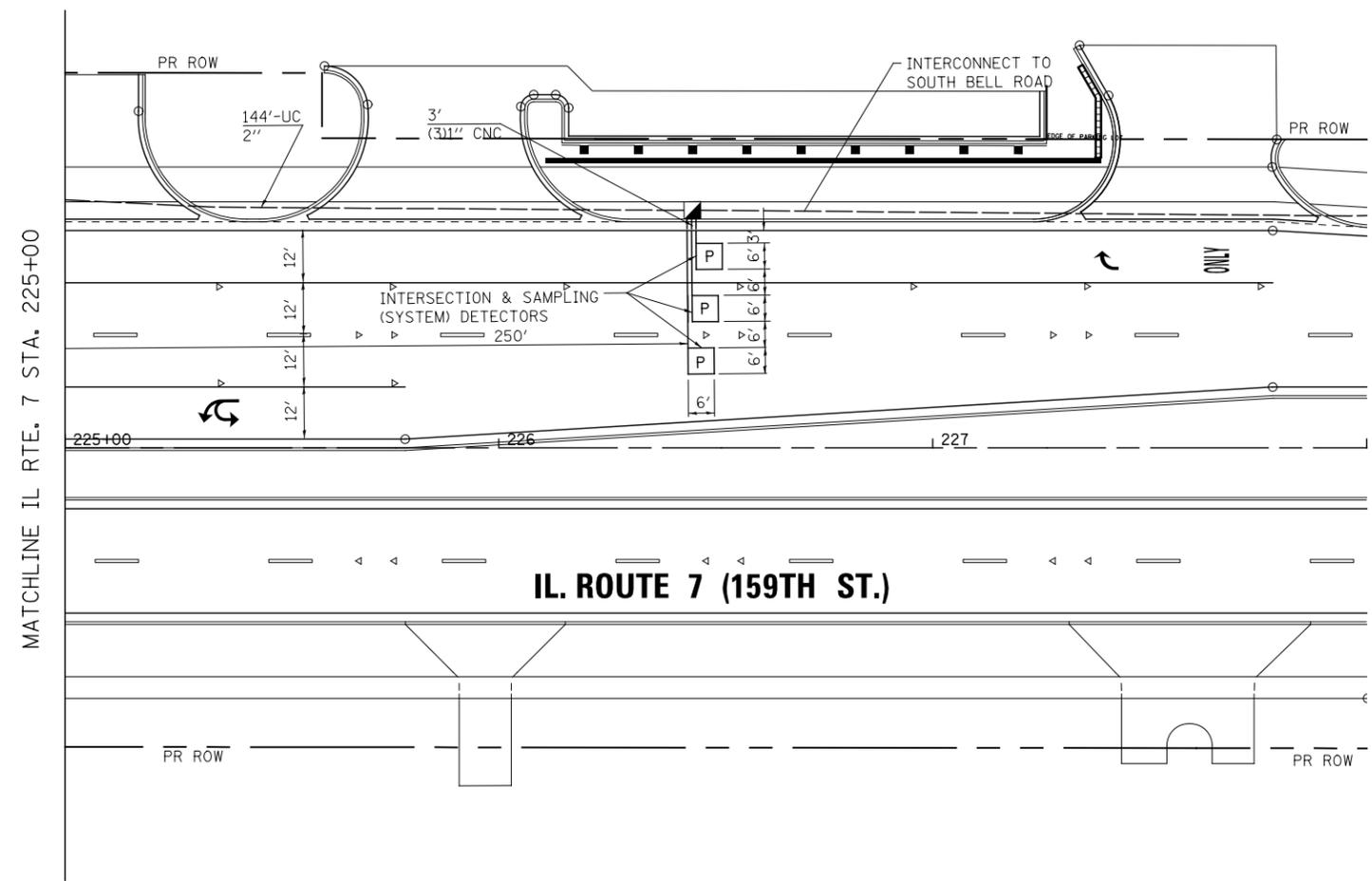
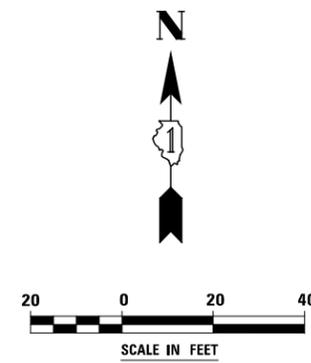
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLAN SHEET
 ILLINOIS ROUTE 7 AND NORTH BELL RD**

SCALE: AS SHOWN SHEET NO. 27 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	659
TS-27			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

MATCHLINE IL RTE. 7 STA. 225+00



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

FILE NAME = D:\60L71-shr-ts-03F N Bell.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:40.0003	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLAN SHEET
ILLINOIS ROUTE 7 AND NORTH BELL RD**

SCALE: AS SHOWN SHEET NO. 28 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	660
TS-28			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNALS SCHEDULE OF QUANTITIES, ILLINOIS ROUTE 7 AND N. BELL ROAD		
ITEM	UNIT	TOTAL
SIGN PANEL, TYPE 1	SQ.FT	43.5
SIGN PANEL, TYPE 2	SQ.FT	25
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	761
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	18
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	56
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	527
HANDHOLE	EACH	6
HEAVY-DUTY HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	1
** ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2815
** LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	4
* FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, (SPECIAL)	EACH	1
TRANSCIEVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	464
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1150
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2369
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1053
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3035
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	68
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	757
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 16 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	13
INDUCTIVE LOOP DETECTOR	EACH	12
DETECTOR LOOP, TYPE I	FOOT	44
PERFORMED DETECTOR LOOP	FOOT	770
LIGHT DETECTOR	EACH	3
** LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	7
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
** EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 203/C	FOOT	663
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
** LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

I. D. O. T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

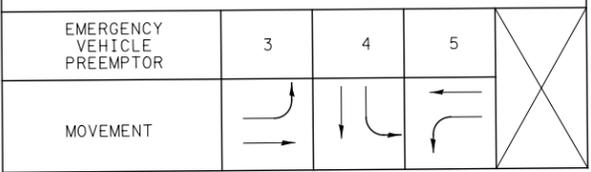
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	19	17	15	0.50	162
(YELLOW)	19	25	15	0.25	119
(GREEN)	23	15	12	0.25	86
ARROW	4	12	12	0.10	5
PED. SIGNAL	4	25	25	1.00	100
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		90	90	0.50	0
LUMINAIRE	4	457	457	0.50	914
TOTAL =					1485

ENERGY COSTS - BILLED TO: Village of Homer Glen
14933 S. Founders Crossing
Homer Glen, IL 60491

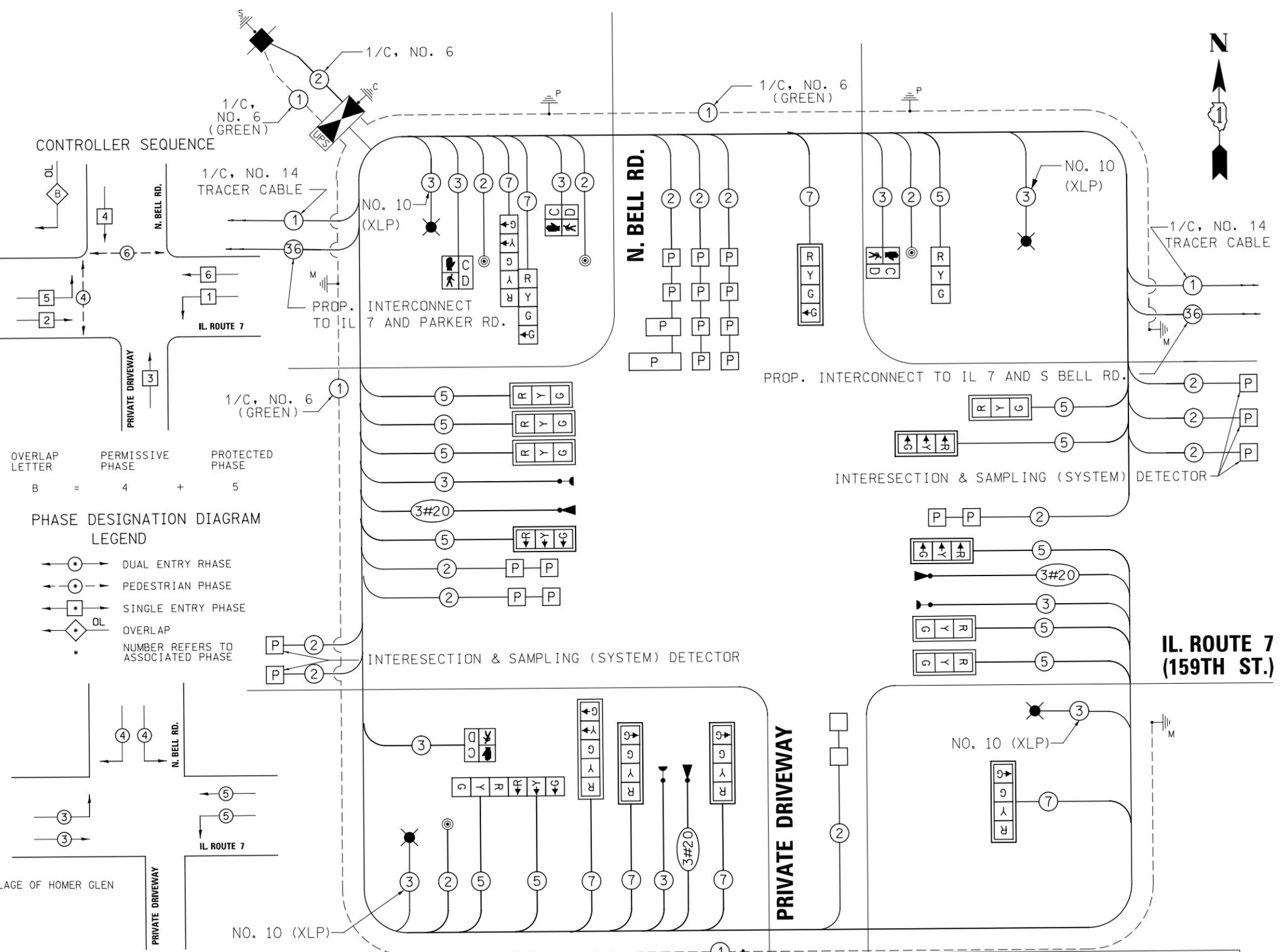
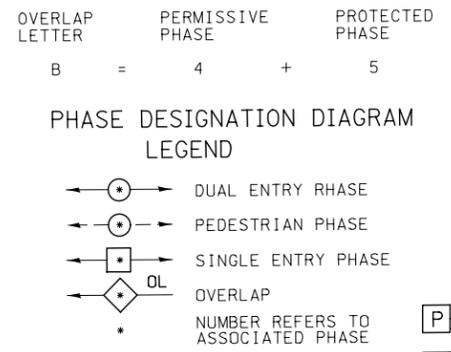
ENERGY SUPPLY - CONTACT: Scott Bertrand
PHONE: Commonwealth Edison
(815)768-6278

* SUPER P CABINET
** 100% COST TO VILLAGE OF HOMER GLEN

PROPOSED EMERGENCY VEHICLE PREEMPTORS



EMERGENCY VEHICLE PREEMPTION SEQUENCE



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

ALL LOOPS WITHIN THE LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PERFORMED TYPE

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC. AND NO EXTRA COMENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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

FILE NAME = D:\60L71\sh-t-ts_030_N Bell CableDiagram.dgn



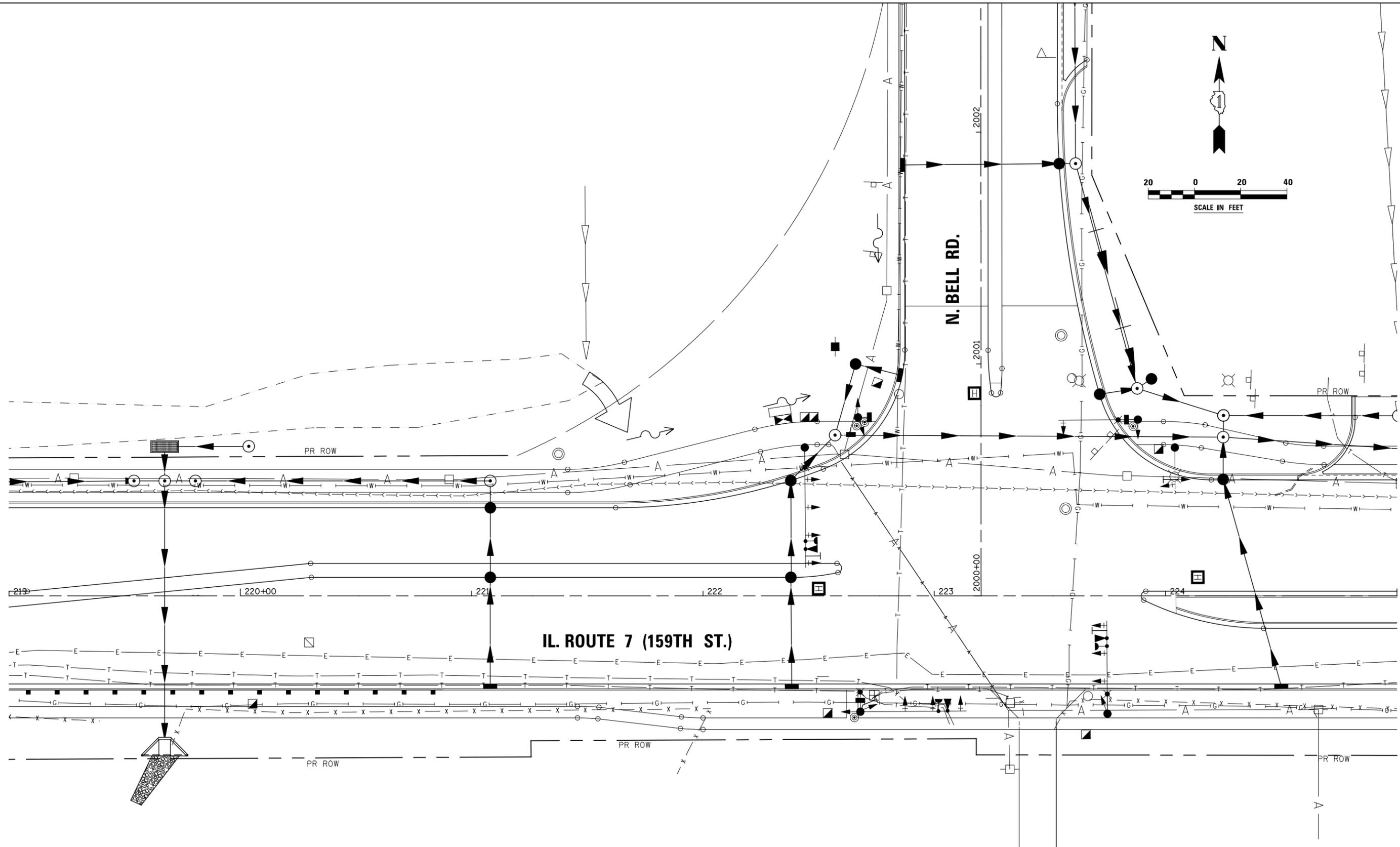
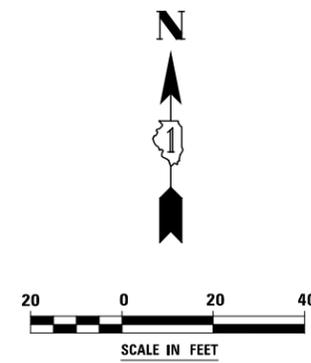
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PLOT SCALE = 1:40.0003	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN, SCHEDULE OF QUANTITIES,
PHASE DESIGNATION DIAGRAM & EVP SEQUENCE SHEET
ILLINOIS ROUTE 7 AND NORTH BELL RD

SCALE: AS SHOWN SHEET NO. 29 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	661
TS-29			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				



FILE NAME = D:\60L71-shr-ts-03H N Bell UtilRefPlan.dgn

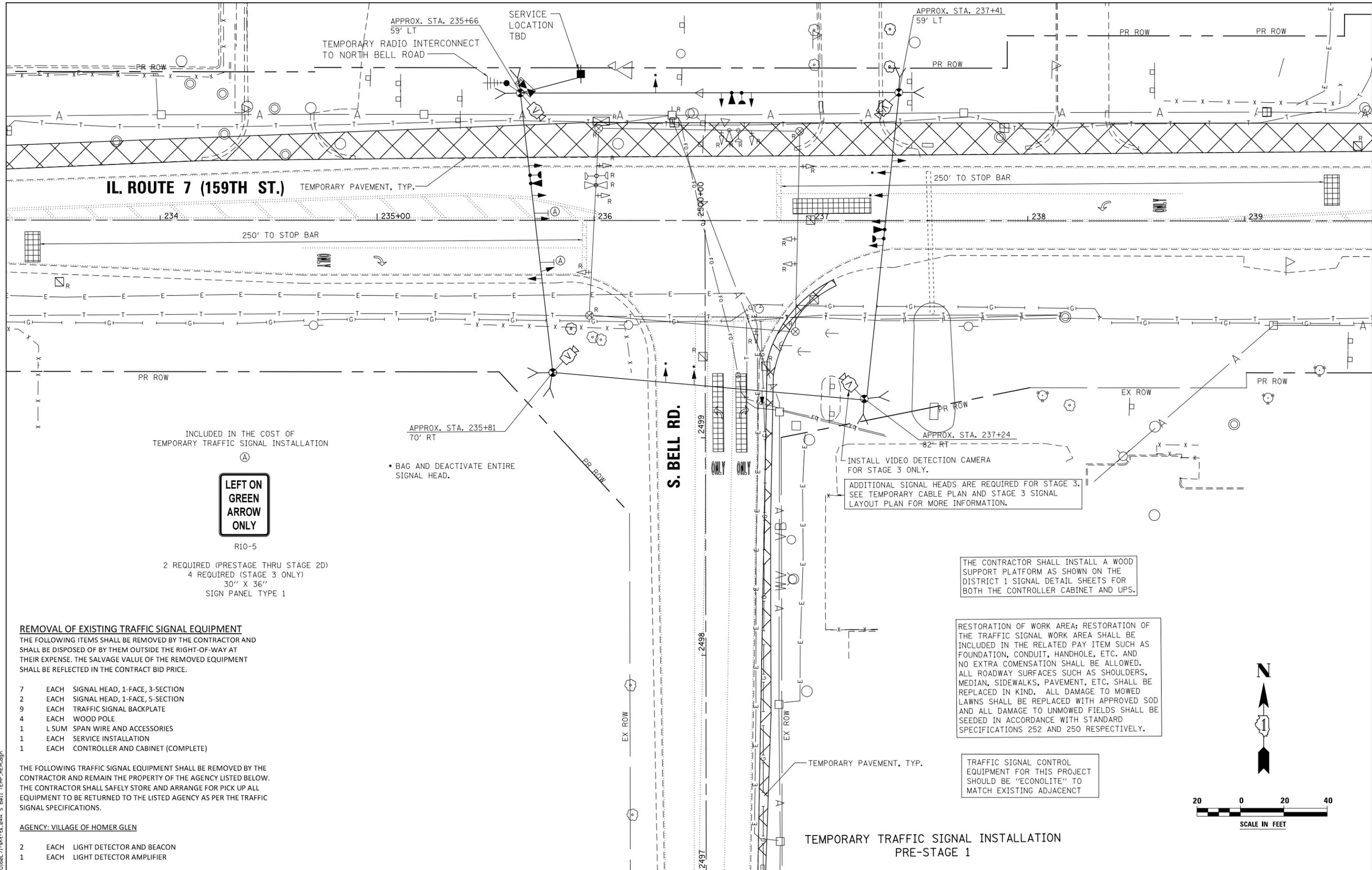
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PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**UTILITY REFERENCE PLAN
ILLINOIS ROUTE 7 AND NORTH BELL RD**

SCALE: AS SHOWN SHEET NO. 30 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	662
TS-30			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				



IL. ROUTE 7 (159TH ST.)

S. BELL RD.

LEFT ON GREEN ARROW ONLY

R10-5

2 REQUIRED (PRESTAGE THRU STAGE 2D)
4 REQUIRED (STAGE 3 ONLY)
30" X 36"
SIGN PANEL TYPE 1

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

- 7 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 2 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 9 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH WOOD POLE
- 1 L SUM SPAN WIRE AND ACCESSORIES
- 1 EACH SERVICE INSTALLATION
- 1 EACH CONTROLLER AND CABINET (COMPLETE)

THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: VILLAGE OF HOMER GLEN

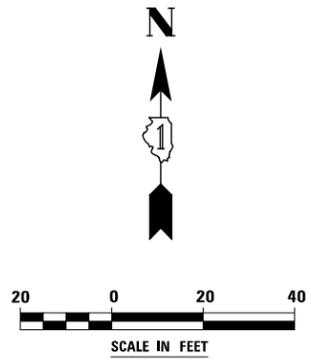
- 2 EACH LIGHT DETECTOR AND BEACON
- 1 EACH LIGHT DETECTOR AMPLIFIER

INSTALL VIDEO DETECTION CAMERA FOR STAGE 3 ONLY.
ADDITIONAL SIGNAL HEADS ARE REQUIRED FOR STAGE 3. SEE TEMPORARY CABLE PLAN AND STAGE 3 SIGNAL LAYOUT PLAN FOR MORE INFORMATION.

THE CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC. AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHOULD BE "ECONOLITE" TO MATCH EXISTING ADJACENT



FILE NAME : D:\60L71\shht-ts_044 S Bell TEMP.REM.dgn

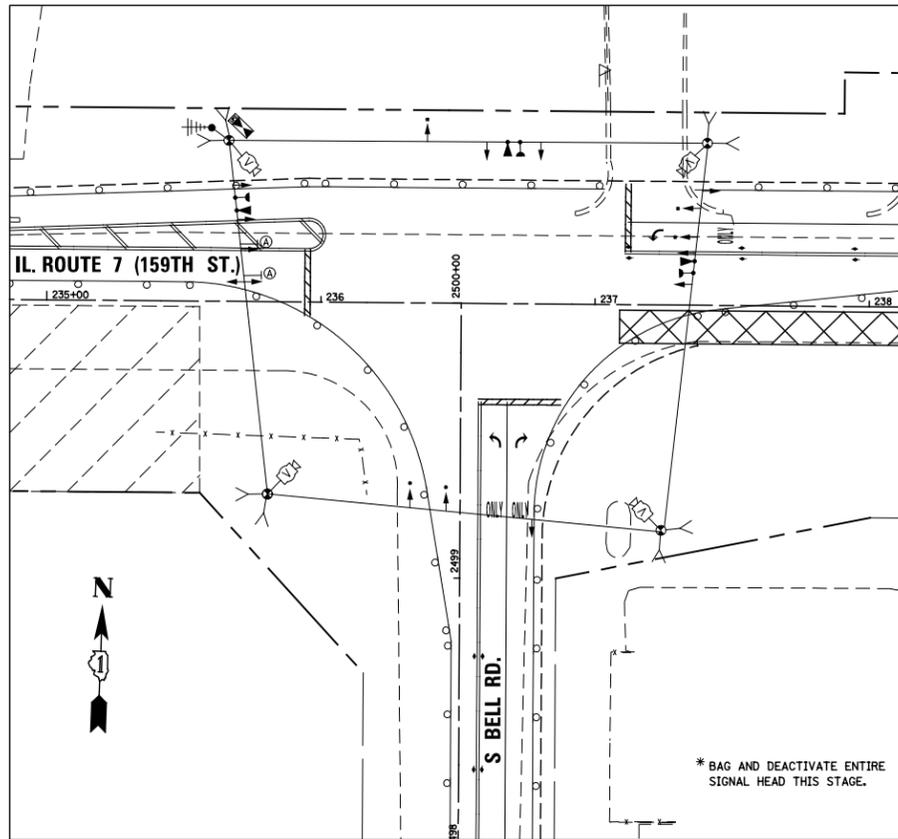
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PLOT SCALE = 1:40,000	DRAWN MJM	REVISED -
PLOT DATE = 8/15/2014	CHECKED PJO	REVISED -
	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

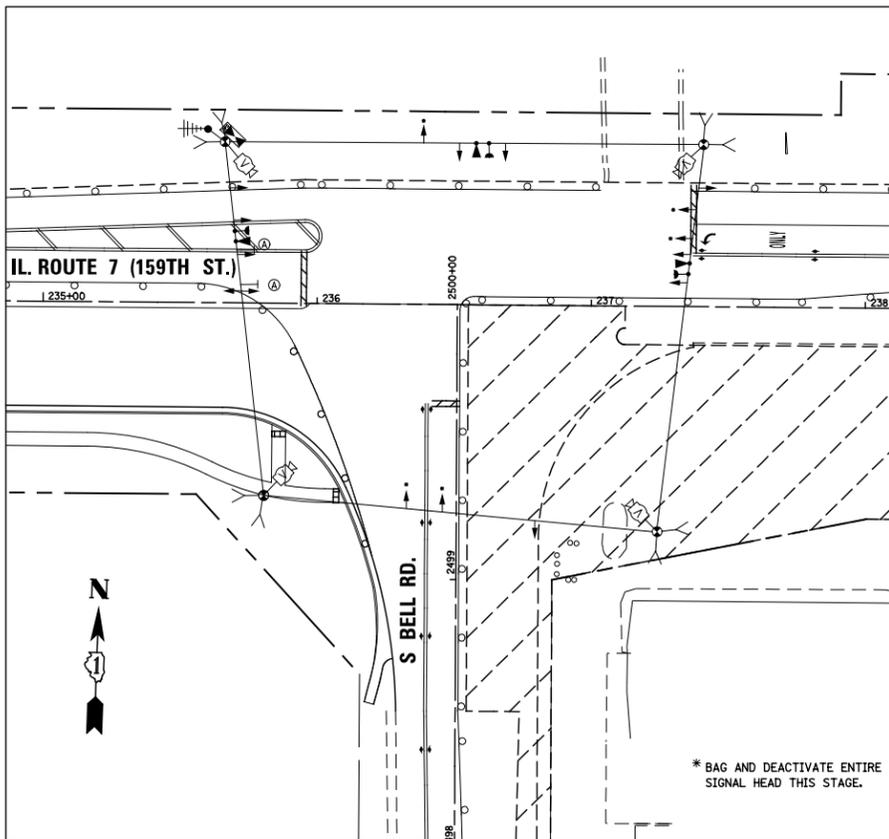
**TEMPORARY TRAFFIC SIGNAL INSTALLATION
& REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
ILLINOIS ROUTE 7 AND SOUTH BELL RD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	663
TS-31			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

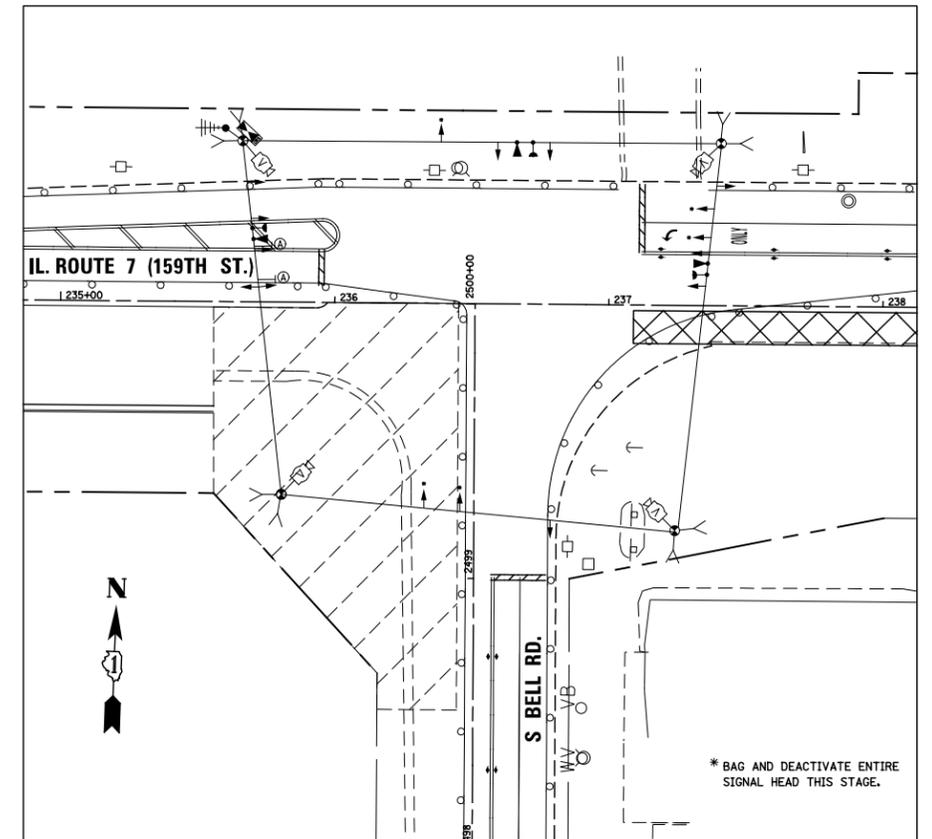
SCALE: AS SHOWN SHEET NO. 31 OF 64 SHEETS STA. TO STA.



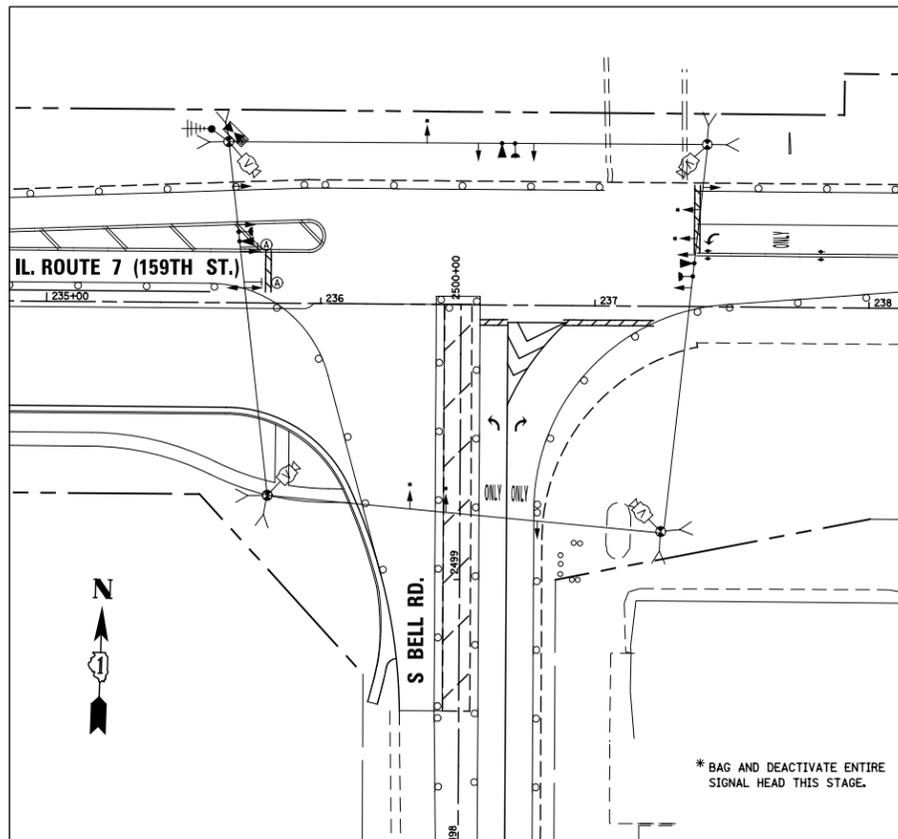
TEMPORARY TRAFFIC SIGNAL STAGE 1



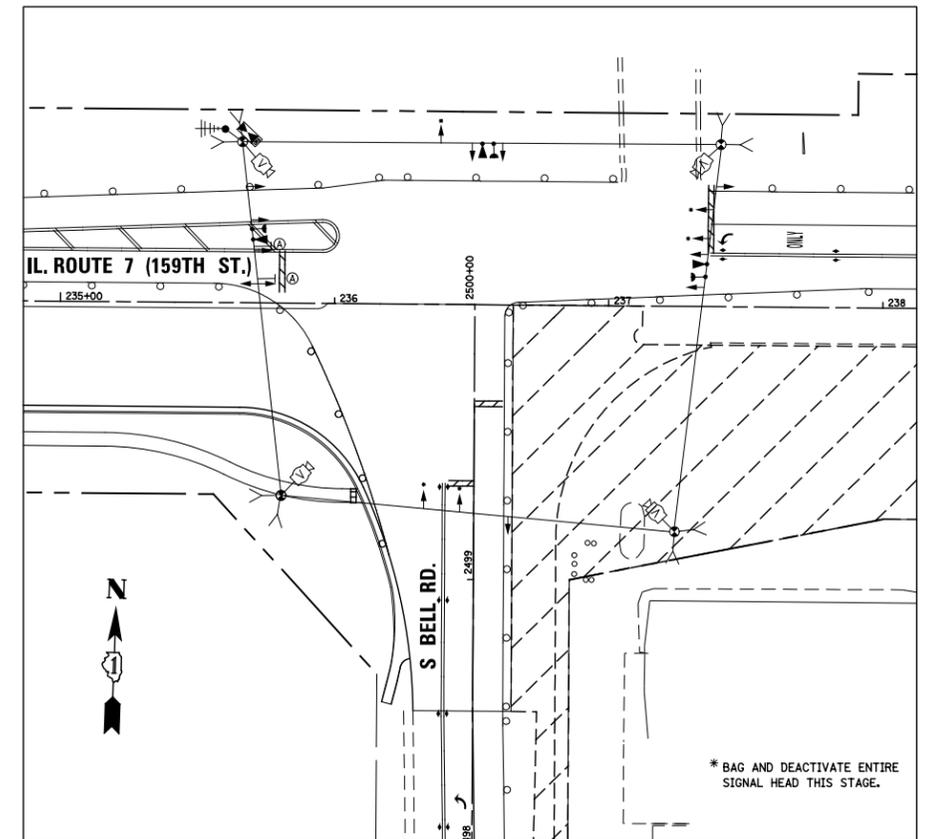
TEMPORARY TRAFFIC SIGNAL STAGE 1C



TEMPORARY TRAFFIC SIGNAL STAGE 1A



TEMPORARY TRAFFIC SIGNAL STAGE 1B



TEMPORARY TRAFFIC SIGNAL STAGE 1D

(RESERVED)

FILE NAME = D:\60L71\shht-ts_04B_S_Bell_TEMP_STAGE.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
DRAWN MJM	REVISED -	
PLOT SCALE = 1/4"=1'-0"	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

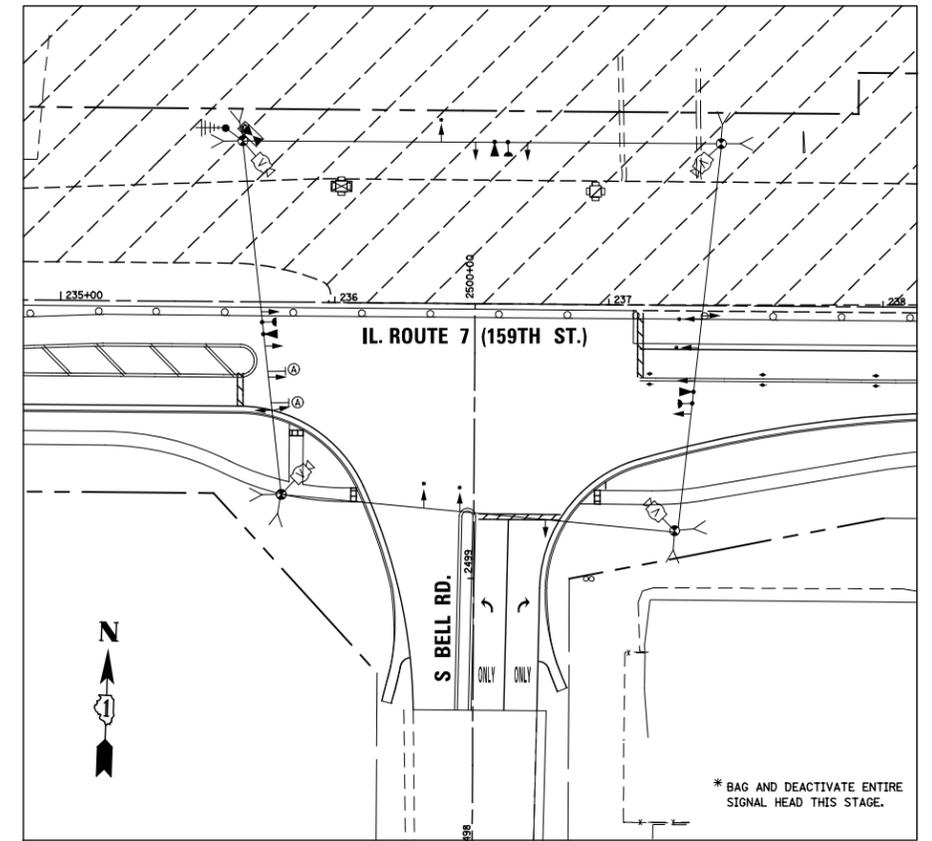
TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGING 1-1D
ILLINOIS ROUTE 7 AND SOUTH BELL RD

SCALE: AS SHOWN SHEET NO. 32 OF 64 SHEETS STA. TO STA.

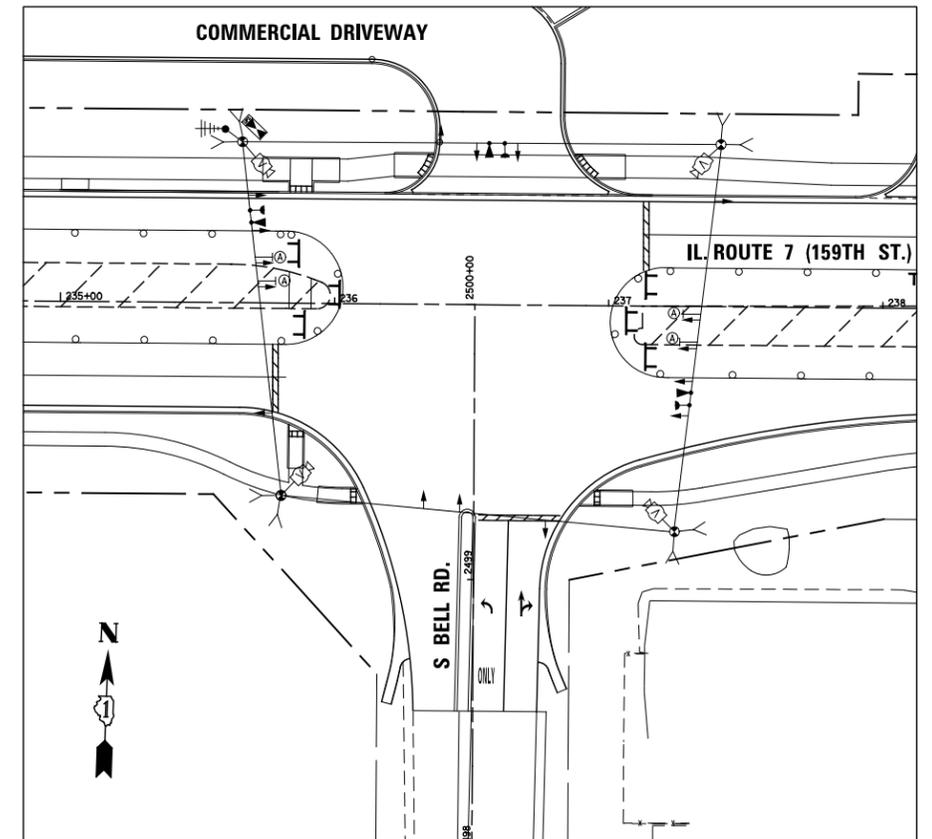
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	664
TS-32		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\60L71\shl-ts_04C_S Bell TEMP STAGE.dgn

(RESERVED)



TEMPORARY TRAFFIC SIGNAL STAGE 2, 2A, 2B, 2C, 2D



TEMPORARY TRAFFIC SIGNAL STAGE 3

USER NAME = mmaestra	DESIGNED MJM	REVISED -
	DRAWN MJM	REVISED -
PLOT SCALE = 1:40.013	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGING PLAN 2, 2A, 2B, 2C AND 3
ILLINOIS ROUTE 7 AND SOUTH BELL RD

SCALE: AS SHOWN SHEET NO. 33 OF 64 SHEETS STA. TO STA.

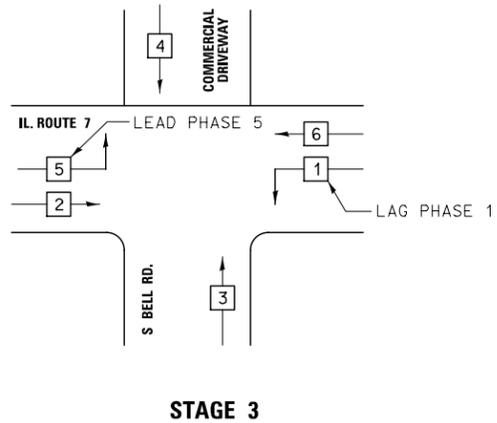
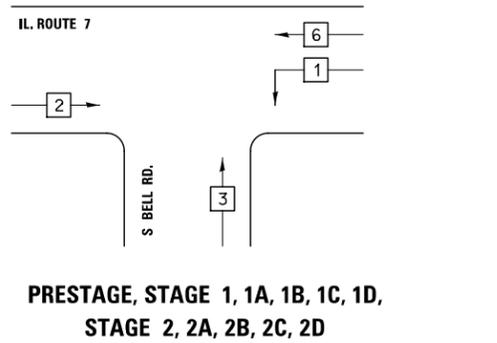
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	665
TS-33		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				

NOTES FOR TEMPORARY TRAFFIC SIGNALS

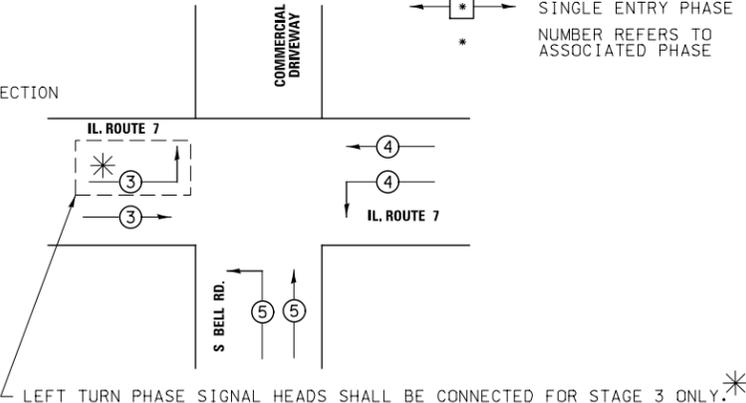
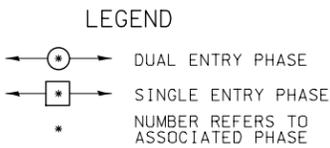
- 1) ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 2) ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS 232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY DOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- 3) ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER, HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT RAILROAD INTERSECTIONS. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- 4) ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- 5) ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 6) THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF TURN ON. IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF TURN ON.
- 7) UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEM SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- 8) TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- 9) DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- 10) WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

THE PROPOSED TEMPORARY WIRELESS INTERCONNECT TO IL ROUTE 7 AT N BELL ROAD.

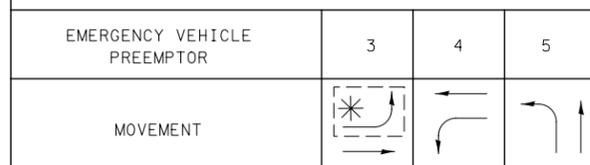
TEMPORARY CONTROLLER SEQUENCE



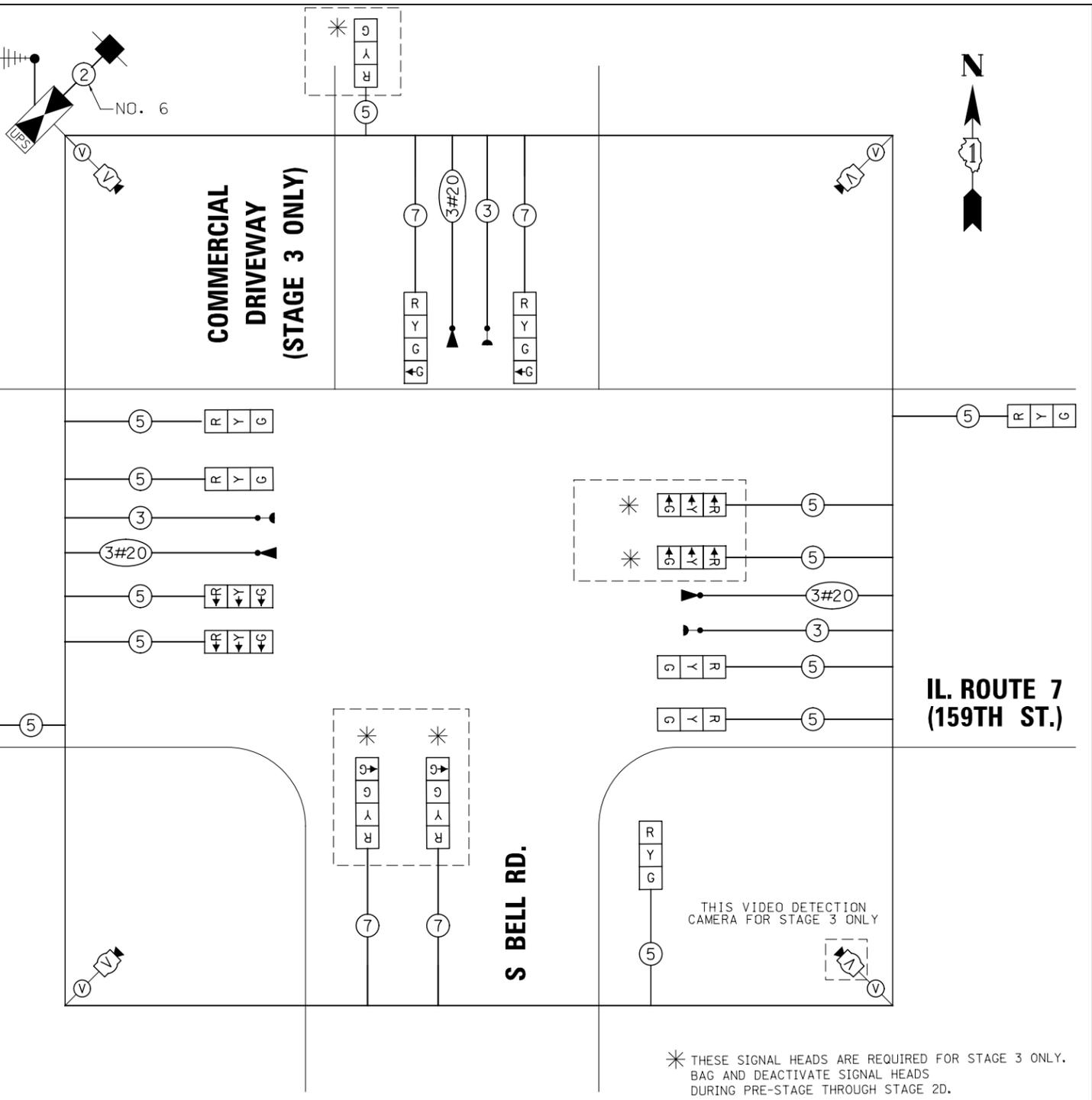
TEMPORARY PHASE DESIGNATION DIAGRAM



PROPOSED EMERGENCY VEHICLE PREEMPTORS



EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY CABLE PLAN

TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHOULD BE "ECONOLITE" TO MATCH EXISTING ADJACENT

* THESE SIGNAL HEADS ARE REQUIRED FOR STAGE 3 ONLY. BAG AND DEACTIVATE SIGNAL HEADS DURING PRE-STAGE THROUGH STAGE 2D.

ALL LOOPS WITHIN THE LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PREFORMED TYPE

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC. AND NO EXTRA COMENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	16		17	0.50	136
(YELLOW)	16		25	0.25	100
(GREEN)	20		15	0.25	75
ARROW	4		12	0.10	5
PED. SIGNAL			25	1.00	0
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
ILLUM. SIGN			90	0.50	0
TOTAL =					566

ENERGY COSTS - BILLED TO: Village of Homer Glen
14933 S. Founders Crossing
Homer Glen, IL 60491

ENERGY SUPPLY - CONTACT: Scott Bertrand
PHONE: Commonwealth Edison
(815)768-6278

USER NAME = mmoastra	DESIGNED = MJM	REVISED = -
	DRAWN = MJM	REVISED = -
PLOT SCALE = 1:40,000	CHECKED = PJO	REVISED = -
PLOT DATE = 8/15/2014	DATE = 8/15/2014	REVISED = -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

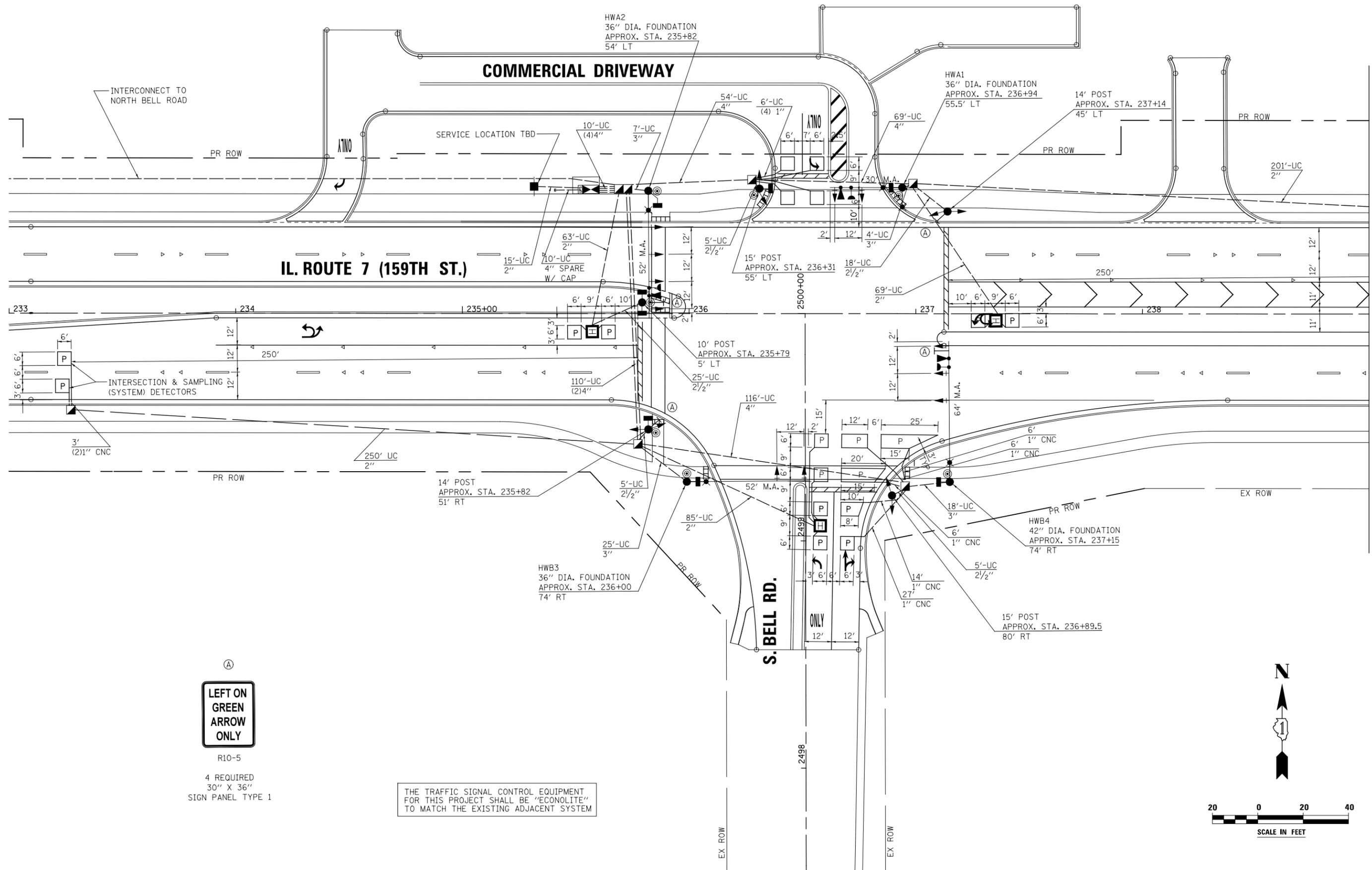
TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM & EVP SEQUENCE FOR ILLINOIS ROUTE 7 AND SOUTH BELL RD

SCALE: AS SHOWN SHEET NO. 34 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	666
TS-34		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				

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**LEFT ON GREEN
 ARROW
 ONLY**
 R10-5
 4 REQUIRED
 30" X 36"
 SIGN PANEL TYPE 1

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

USER NAME = mmaestra	DESIGNED MJM	REVISED -
DRAWN MJM	REVISIONS -	
PLOT SCALE = 1:40.0003	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

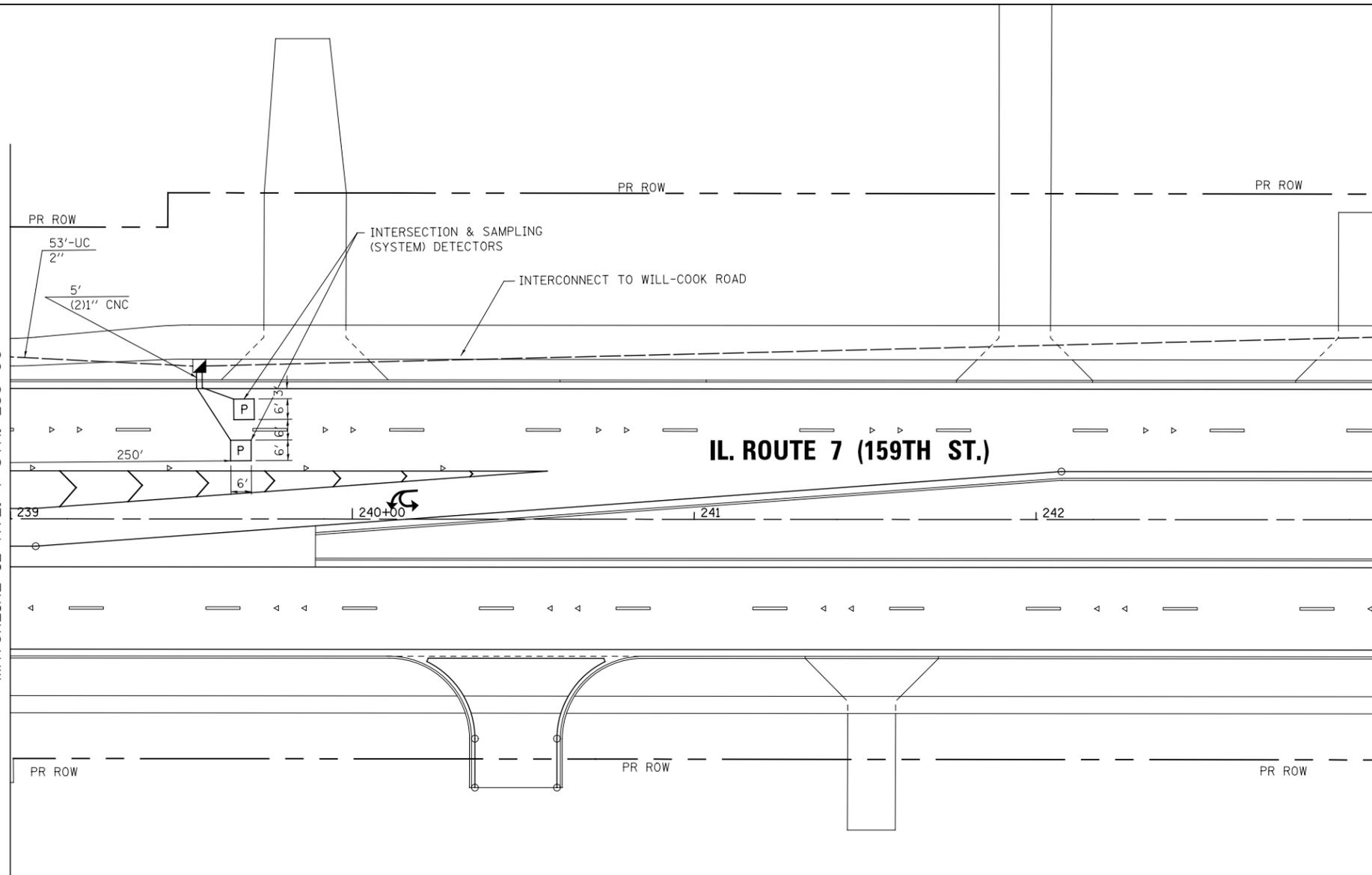
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLAN SHEET
 ILLINOIS ROUTE 7 AND SOUTH BELL RD**
 SCALE: AS SHOWN SHEET NO. 35 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	667
TS-35			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

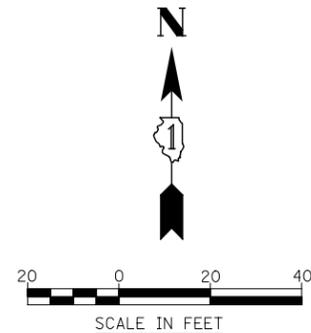
MATCHLINE IL RTE. 7 STA. 239+00

MATCHLINE IL RTE. 7 STA. 239+00



IL. ROUTE 7 (159TH ST.)

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



FILE NAME = D:\60L71-shr-ts-04F S Bell PERM.PLAN.dgn

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	DRAWN MJM	REVISED -
PLOT SCALE = 1:40.0003	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLAN SHEET
ILLINOIS ROUTE 7 AND SOUTH BELL RD**

SCALE: AS SHOWN SHEET NO. 36 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	668
TS-36			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

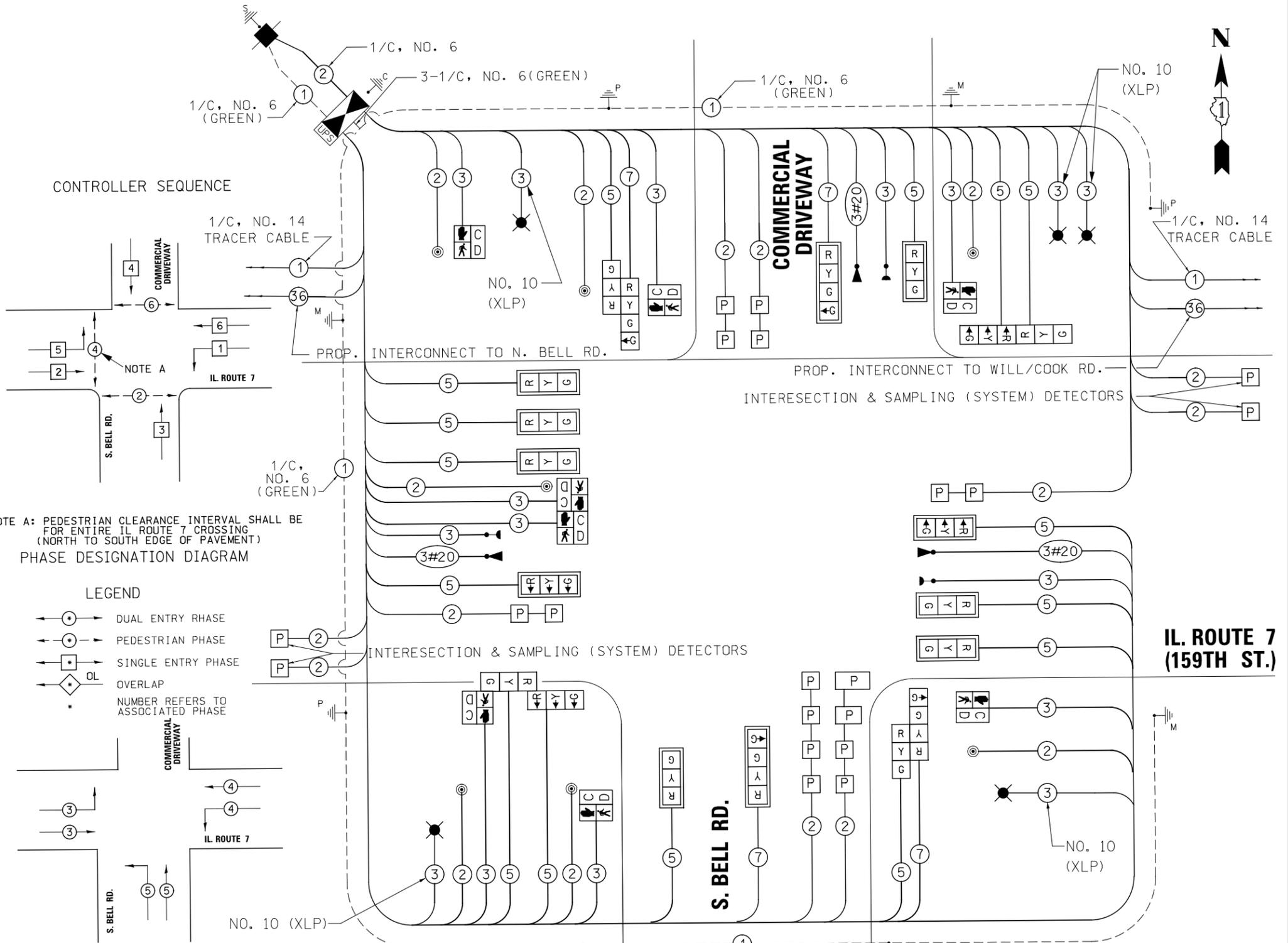
TRAFFIC SIGNALS SCHEDULE OF QUANTITIES, ILLINOIS ROUTE 7 AND S. BELL ROAD		
ITEM	UNIT	TOTAL
SIGN PANEL, TYPE 1	SQ.FT	30
SIGN PANEL, TYPE 2	SQ.FT	45
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	736
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	58
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	54
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	499
HANDHOLE	EACH	6
HEAVY-DUTY HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	1
** ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	3440
** LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	5
* FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, (SPECIAL)	EACH	1
TRANSCIEVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1096
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1965
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3034
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	864
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2613
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	50
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	815
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 64 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	41
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	11
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE I	FOOT	134
PERFORMED DETECTOR LOOP	FOOT	624
** LIGHT DETECTOR	EACH	3
** LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	7
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	5
** EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 203/C	FOOT	689
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
** LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	5
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* SUPER P CABINET
 ** 100% COST TO VILLAGE OF HOMER GLEN

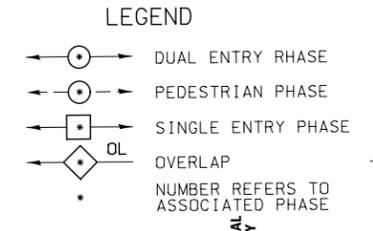
I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		TOTAL WATTAGE	
		INCAND.	LED		
SIGNAL (RED)	19		17	0.50	162
(YELLOW)	19		25	0.25	119
(GREEN)	23		15	0.25	86
ARROW			12	0.10	0
PED. SIGNAL	6		25	1.00	150
CONTROLLER	1		100	1.00	100
ILLUM. SIGN			90	0.50	0
LUMINAIRE	5	457		0.50	1143
TOTAL =					1759

ENERGY COSTS - BILLED TO: Village of Homer Glen
 14933 S. Founders Crossing
 Homer Glen, IL 60491

ENERGY SUPPLY - CONTACT: Scott Bertrand
 PHONE: Commonwealth Edison
 (815) 768-6278



NOTE A: PEDESTRIAN CLEARANCE INTERVAL SHALL BE FOR ENTIRE IL ROUTE 7 CROSSING (NORTH TO SOUTH EDGE OF PAVEMENT)



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

EMERGENCY VEHICLE PREEMPTION SEQUENCE

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

ALL LOOPS WITHIN THE LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PREFORMED TYPE

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC. AND NO EXTRA COMENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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

FILE NAME : D:\6071\sh-t-ts_040_S_Bell_CableDiagram.dgn

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PLOT SCALE = 1:40,000	DRAWN MJM	REVISED -
PLOT DATE = 8/15/2014	CHECKED PJO	REVISED -
	DATE 8/15/2014	REVISED -

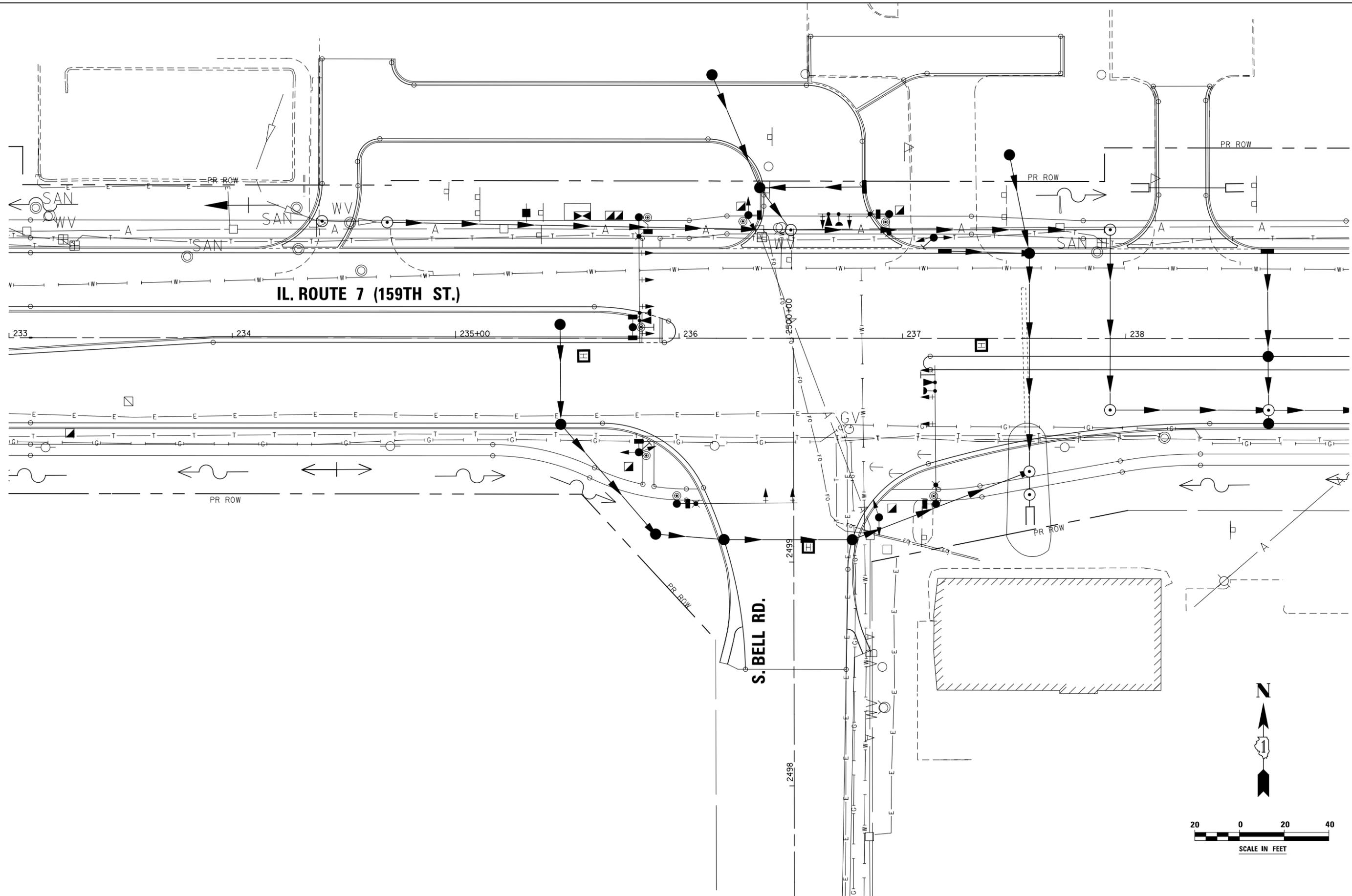
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN, SCHEDULE OF QUANTITIES,
PHASE DESIGNATION DIAGRAM & EVP SEQUENCE SHEET
ILLINOIS ROUTE 7 AND SOUTH BELL RD

F.A.P. RTE. 351	SECTION 536-R-1	COUNTY WILL	TOTAL SHEETS 1232	SHEET NO. 669
TS-37		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				

SCALE: AS SHOWN SHEET NO. 37 OF 64 SHEETS STA. TO STA.

FILE NAME = D:\60L71-sht-ts-04H S Bell UtilRefPlan.dgn



USER NAME = mmaestra	DESIGNED MJM	REVISED -
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PLOT SCALE = 1:40.0003	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**UTILITY REFERENCE PLAN
ILLINOIS ROUTE 7 AND SOUTH BELL RD**

SCALE: AS SHOWN SHEET NO. 38 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	670
TS-38			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

- 4 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 8 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 4 EACH TRAFFIC SIGNAL POST
- 1 EACH SERVICE INSTALLATION
- 1 EACH CONTROLLER AND CABINET (COMPLETE)

THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: VILLAGE OF HOMER GLEN

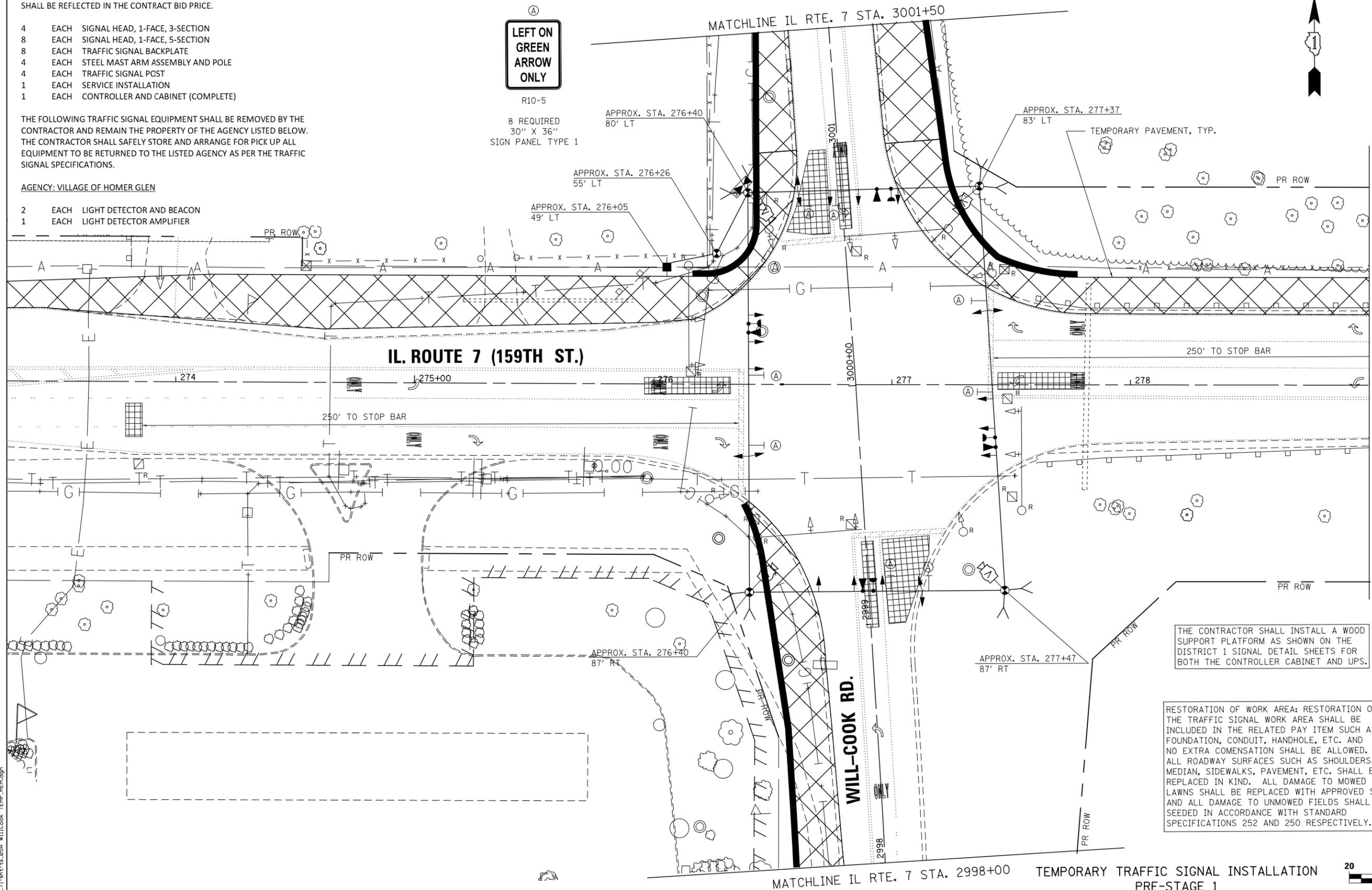
- 2 EACH LIGHT DETECTOR AND BEACON
- 1 EACH LIGHT DETECTOR AMPLIFIER

INCLUDED IN THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION

**LEFT ON GREEN
ARROW
ONLY**

R10-5

8 REQUIRED
30" X 36"
SIGN PANEL TYPE 1



THE CONTRACTOR SHALL INSTALL A WOOD SUPPORT PLATFORM AS SHOWN ON THE DISTRICT 1 SIGNAL DETAIL SHEETS FOR BOTH THE CONTROLLER CABINET AND UPS.

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC. AND NO EXTRA COMENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



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DRAWN MJM	REVISIONS -	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

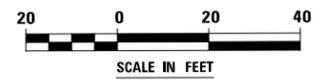
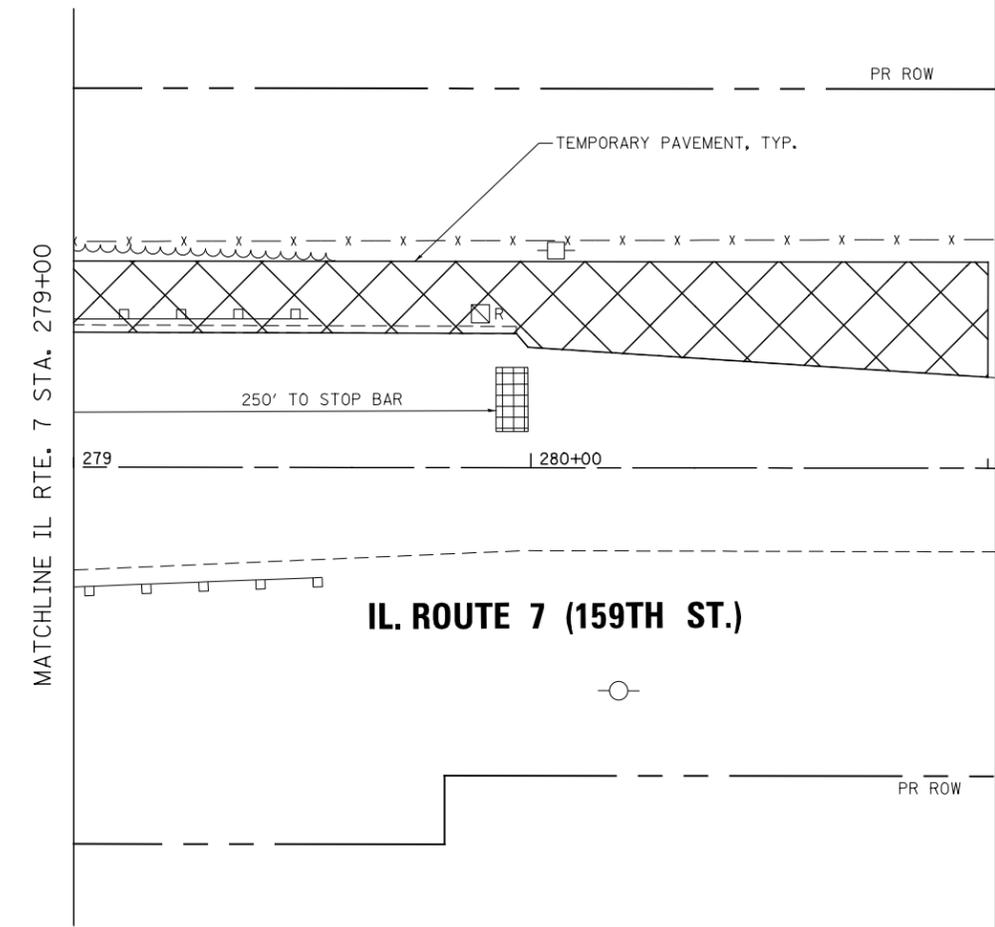
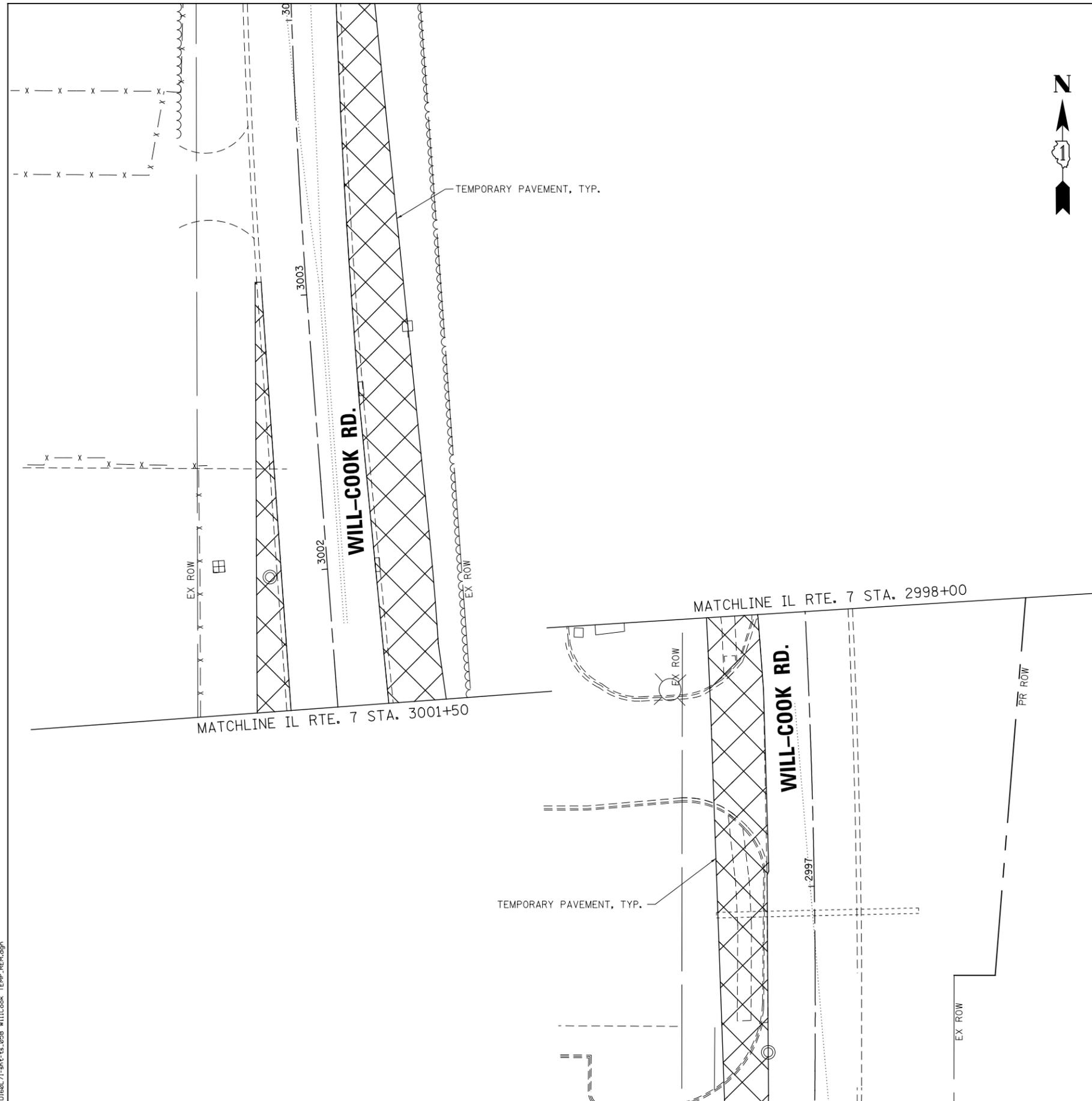
**TEMPORARY TRAFFIC SIGNAL INSTALLATION
& REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
ILLINOIS ROUTE 7 AND WILL-COOK RD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	671
TS-39		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				

SCALE: AS SHOWN SHEET NO. 39 OF 64 SHEETS STA. TO STA.

TEMPORARY TRAFFIC SIGNAL INSTALLATION
PRE-STAGE 1

FILE NAME : D:\60L71-shr-ts-05B WillCook_TEMP.REM.dgn



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DRAWN MJM	REVISED -	
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PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

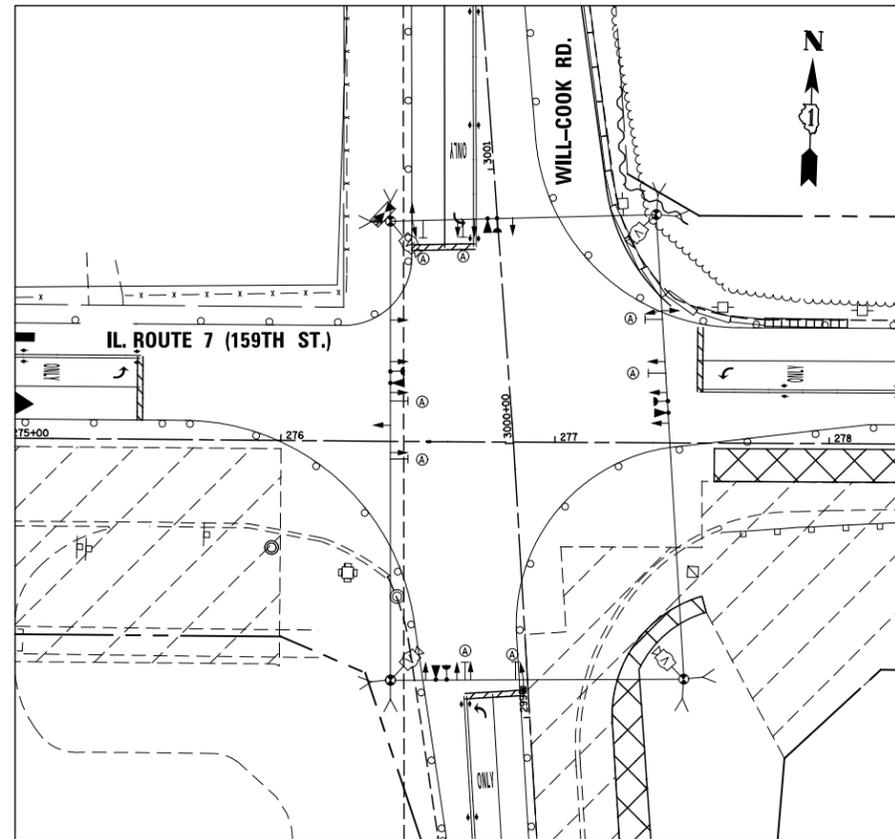
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION
& REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
ILLINOIS ROUTE 7 AND WILL-COOK RD**

SCALE: AS SHOWN SHEET NO. 40 OF 64 SHEETS STA. TO STA.

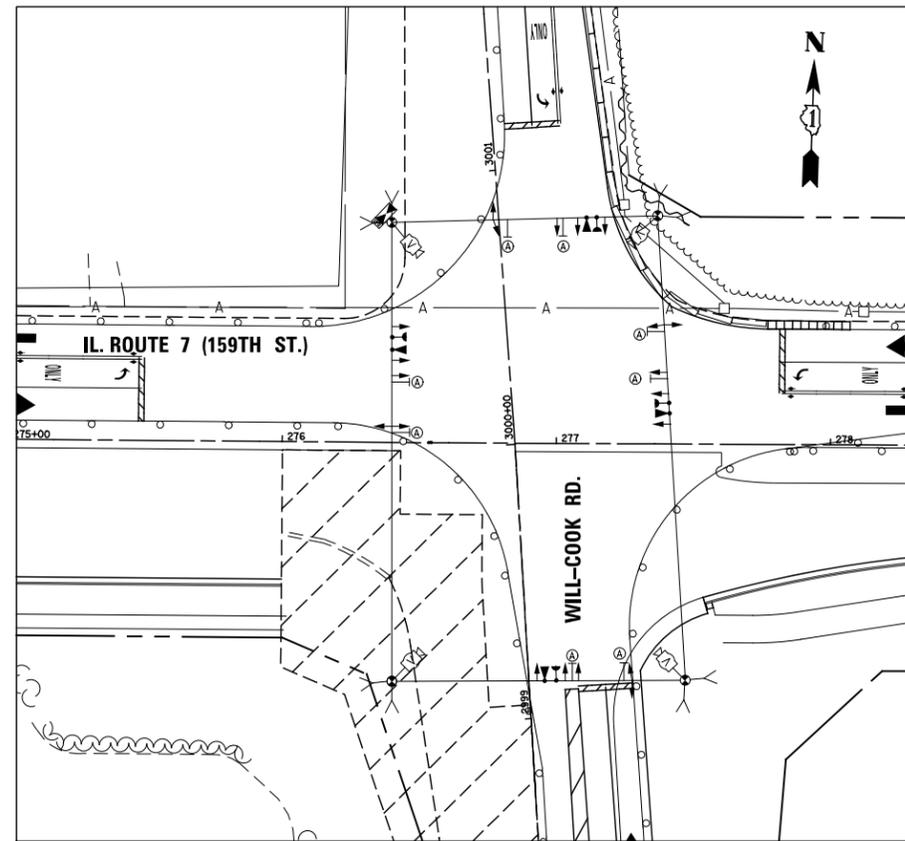
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	672
TS-40			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

(RESERVED)

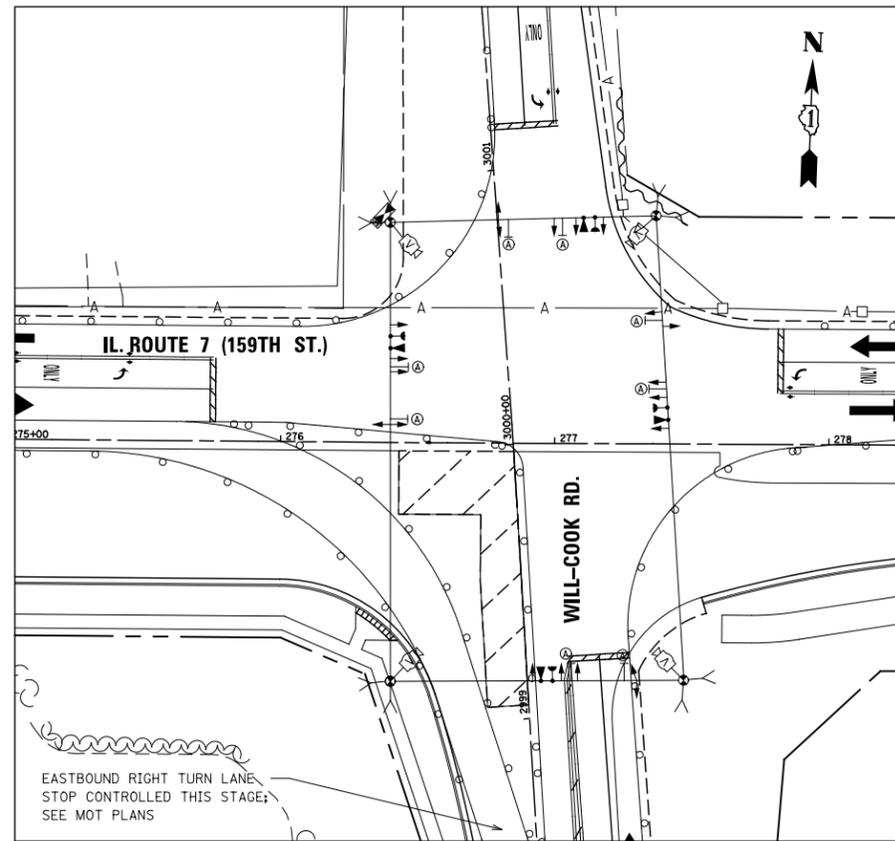


TEMPORARY TRAFFIC SIGNAL STAGE 1, 1A

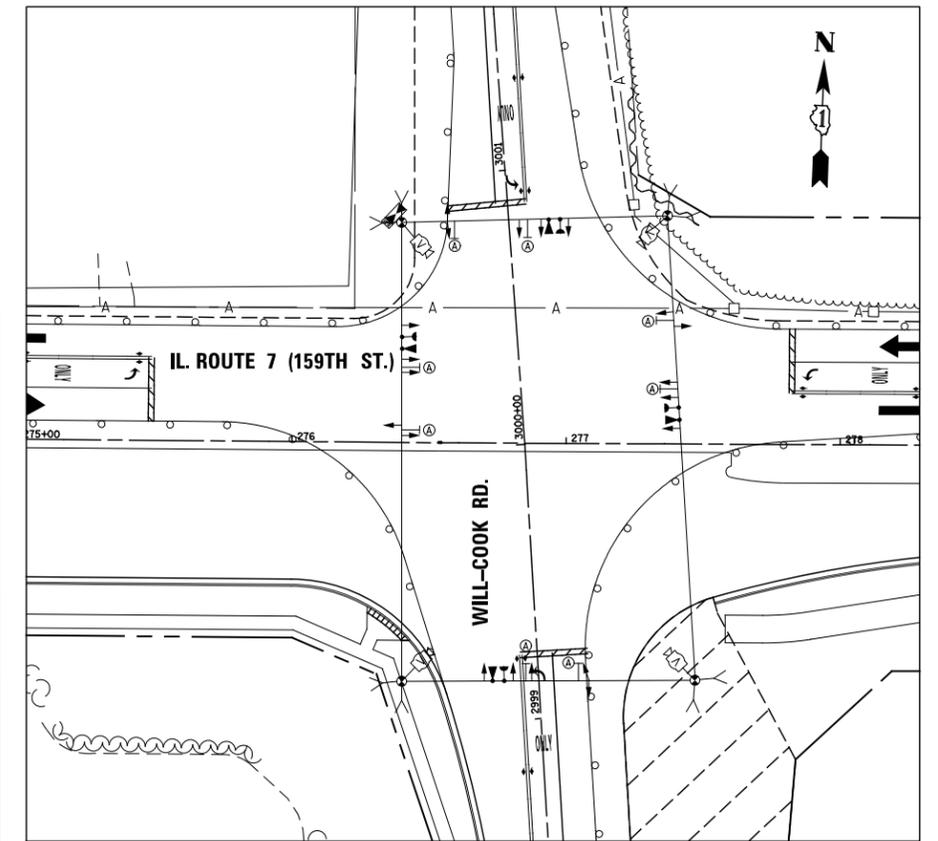
(RESERVED)



TEMPORARY TRAFFIC SIGNAL STAGE 1B



TEMPORARY TRAFFIC SIGNAL STAGE 1C



TEMPORARY TRAFFIC SIGNAL STAGE 1D

FILE NAME = D:\60L71\shl-ts-05C WillCook TEMP STAGE.dgn

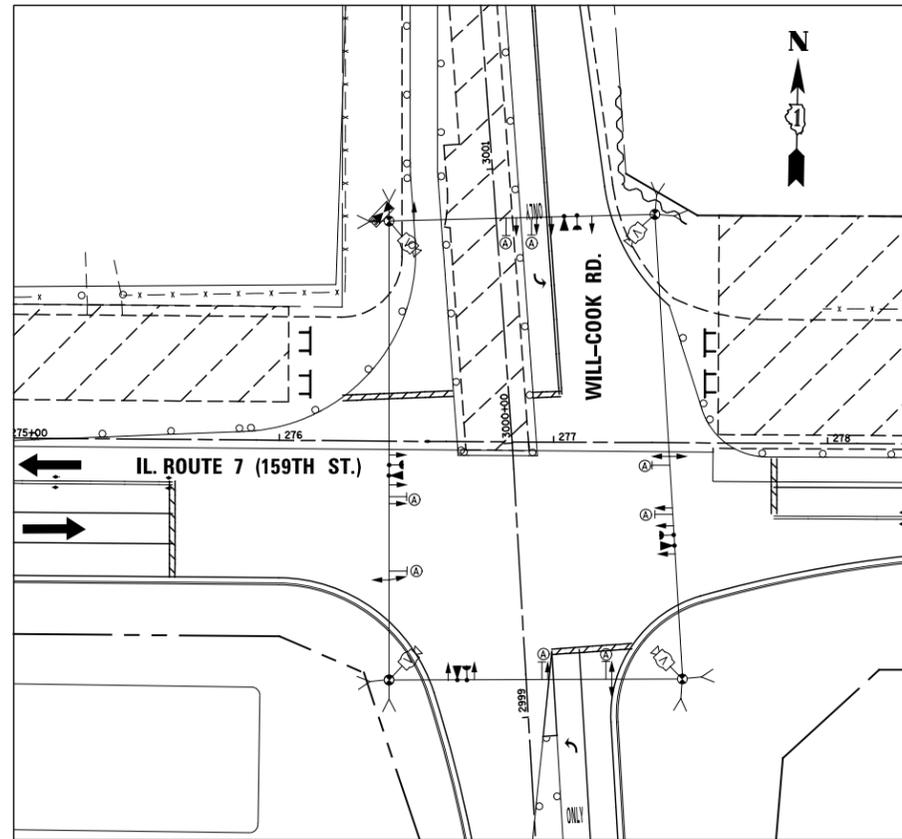
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PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

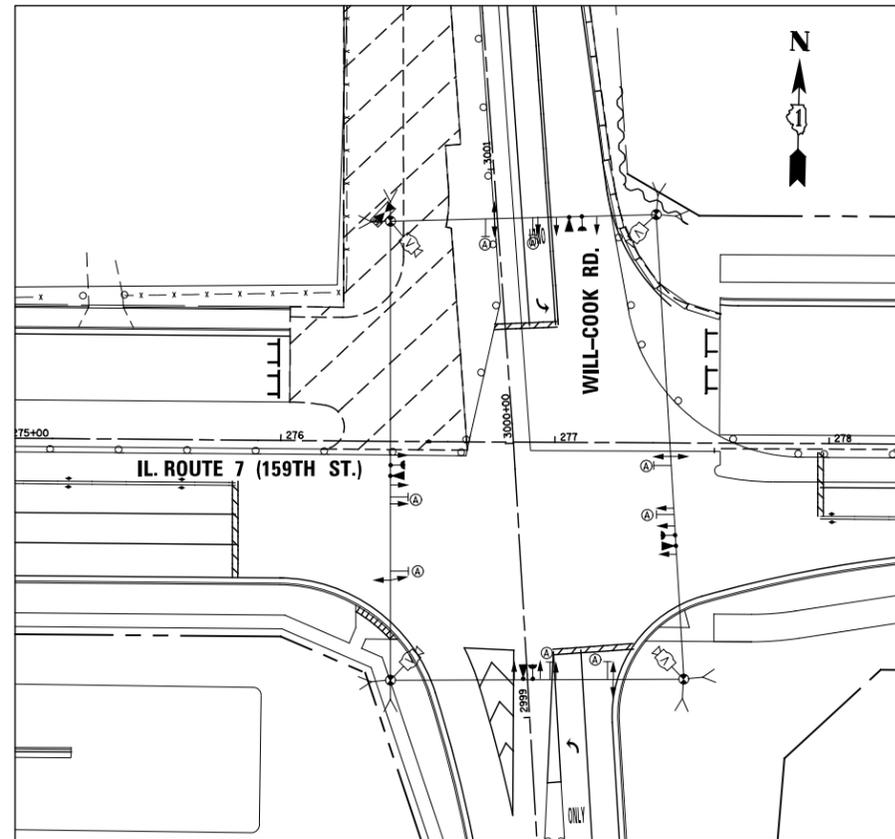
TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGING PLAN 1, 1A, 1B, 1C, 1D
ILLINOIS ROUTE 7 AND WILL-COOK RD

SCALE: AS SHOWN SHEET NO. 41 OF 64 SHEETS STA. TO STA.

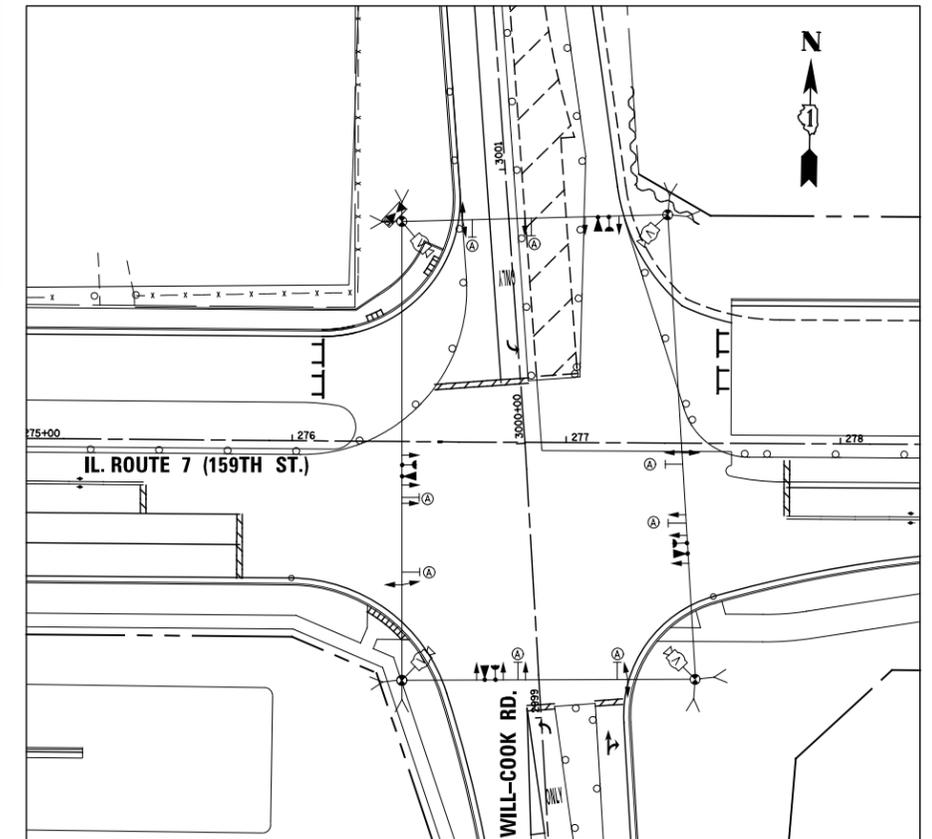
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	673
TS-41			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				



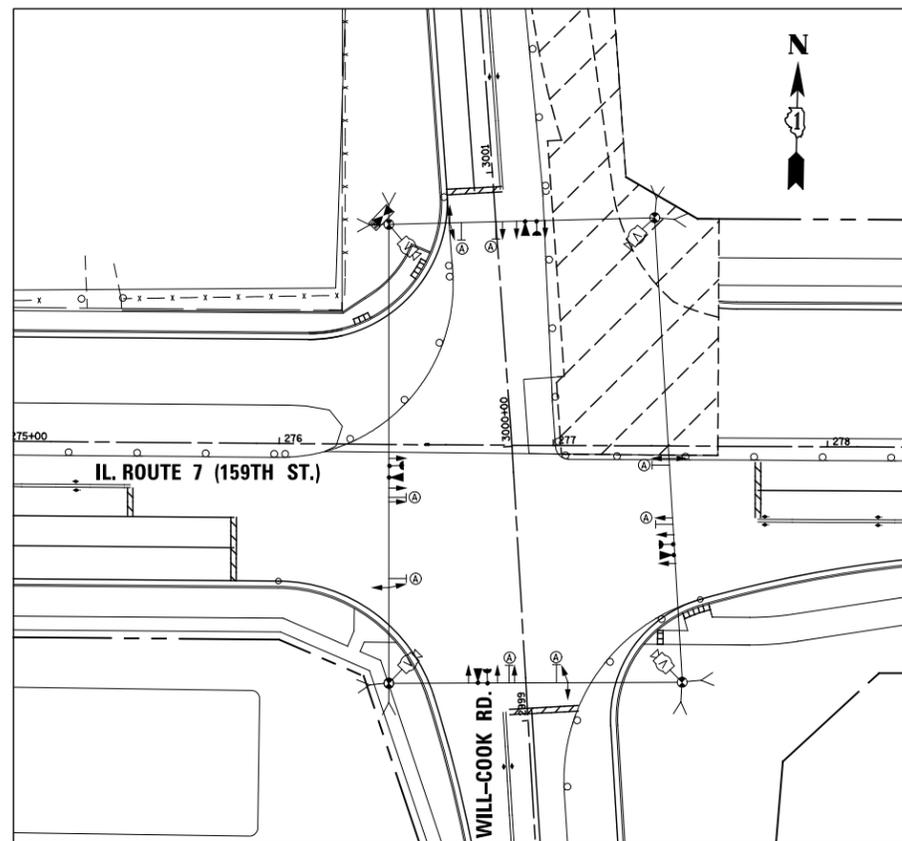
TEMPORARY TRAFFIC SIGNAL STAGE 2



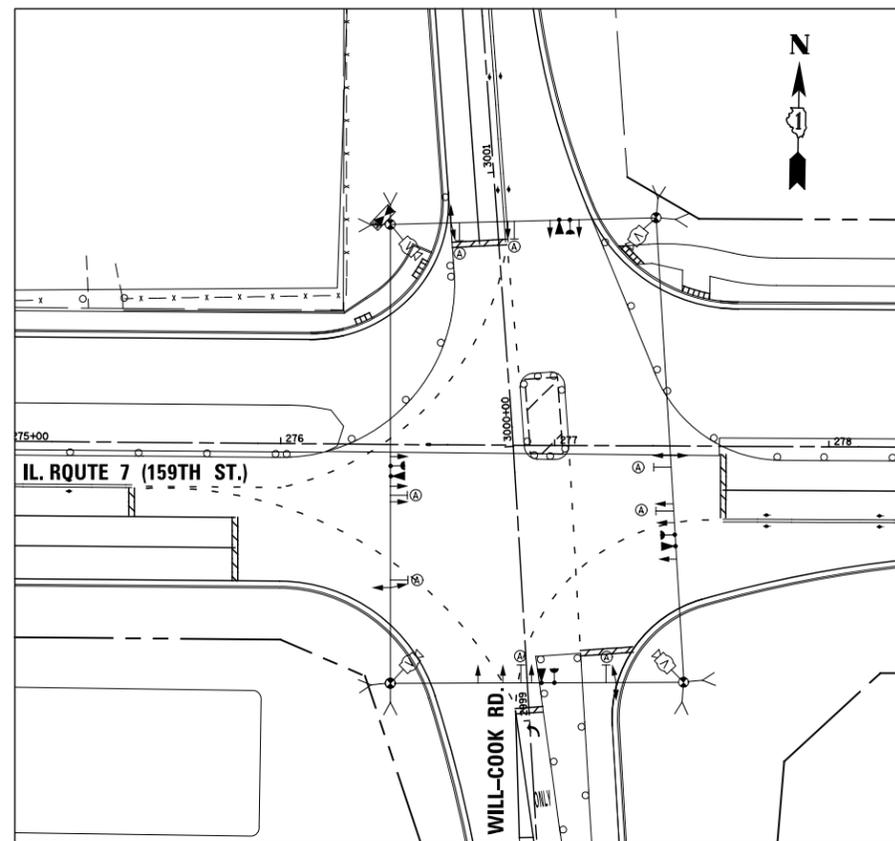
TEMPORARY TRAFFIC SIGNAL STAGE 2A



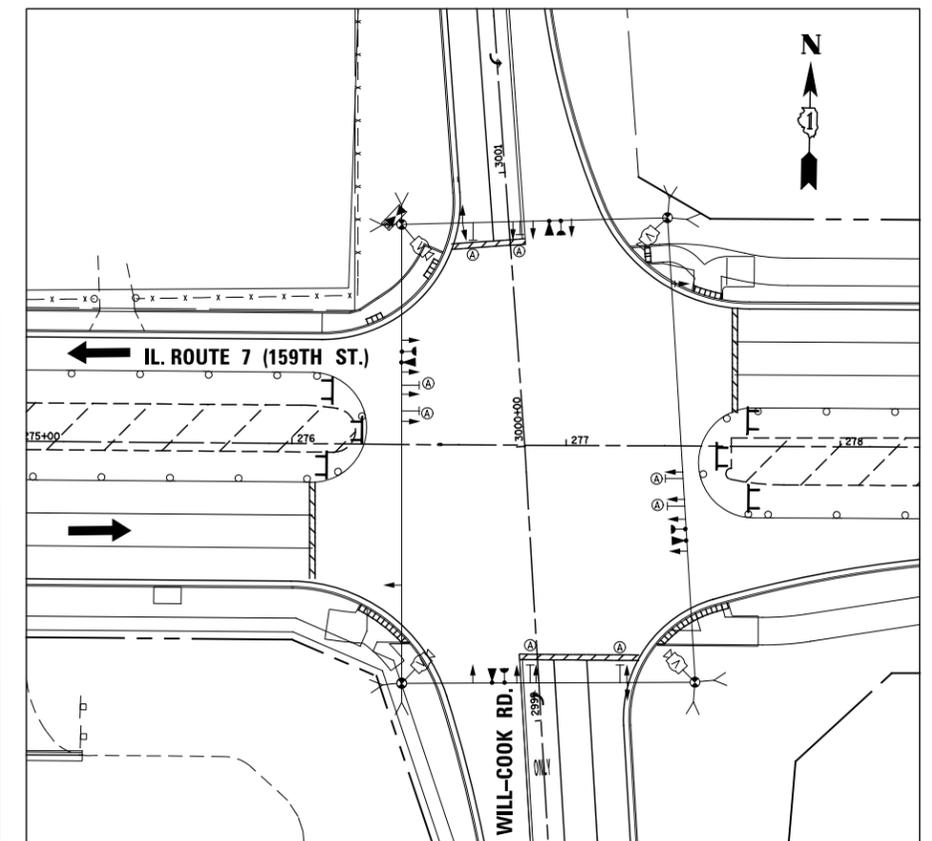
TEMPORARY TRAFFIC SIGNAL STAGE 2B



TEMPORARY TRAFFIC SIGNAL STAGE 2C



TEMPORARY TRAFFIC SIGNAL STAGE 2D



TEMPORARY TRAFFIC SIGNAL STAGE 3

FILE NAME = D:\60L71\shht-ts_050 WillCook_TEMP_STAGE.dgn

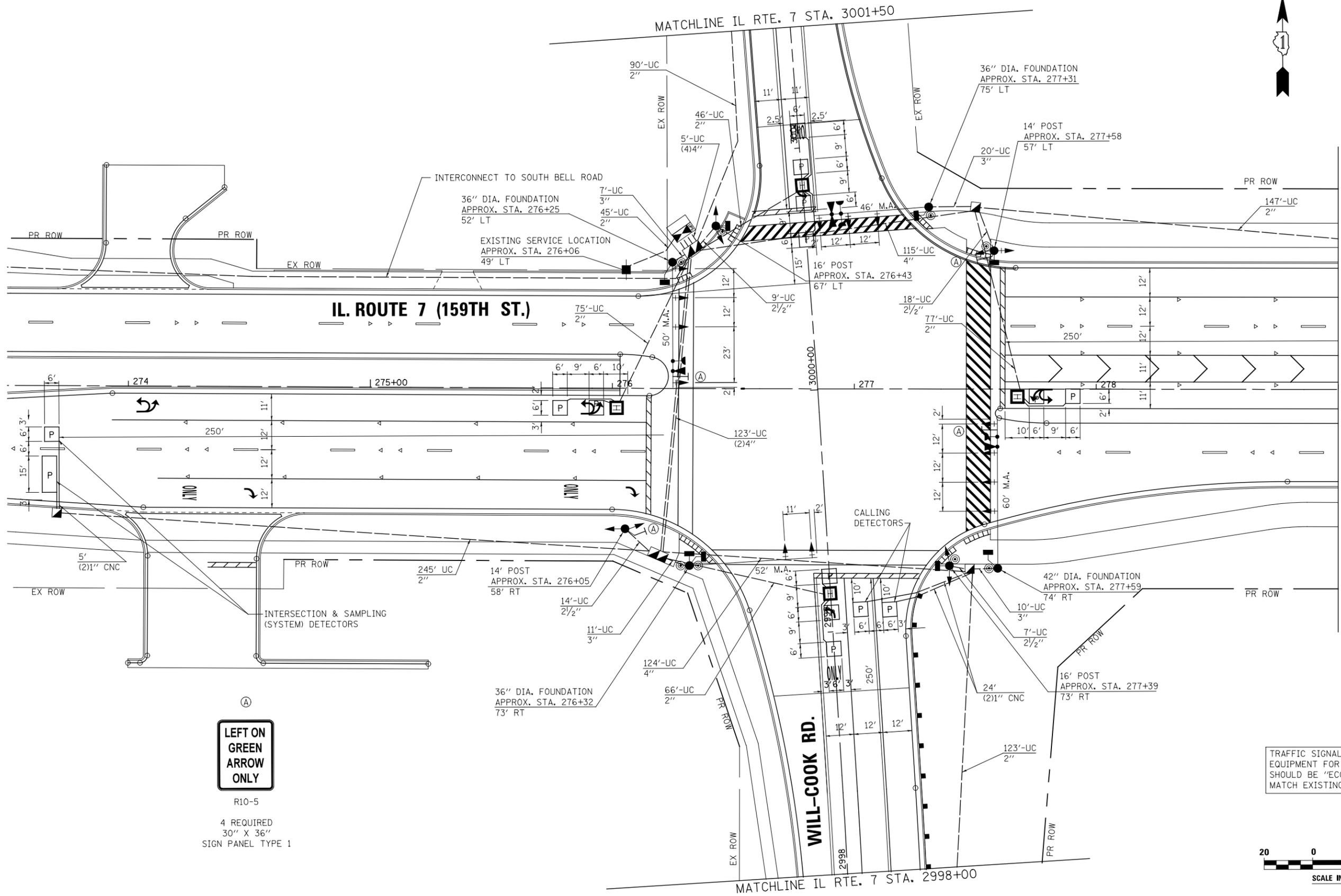
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PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGING PLAN 2, 2A, 2B, 2C, 2D, 3
ILLINOIS ROUTE 7 AND WILL-COOK RD

SCALE: AS SHOWN SHEET NO. 42 OF 64 SHEETS STA. TO STA.

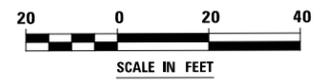
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	674
TS-42			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				



**LEFT ON GREEN
ARROW
ONLY**

R10-5
4 REQUIRED
30" X 36"
SIGN PANEL TYPE 1

TRAFFIC SIGNAL CONTROL
EQUIPMENT FOR THIS PROJECT
SHOULD BE "ECONOLITE" TO
MATCH EXISTING ADJACENT



FILE NAME = D:\680\71-shr-tts-05F_WillCook_PERM.PLAN.dgn

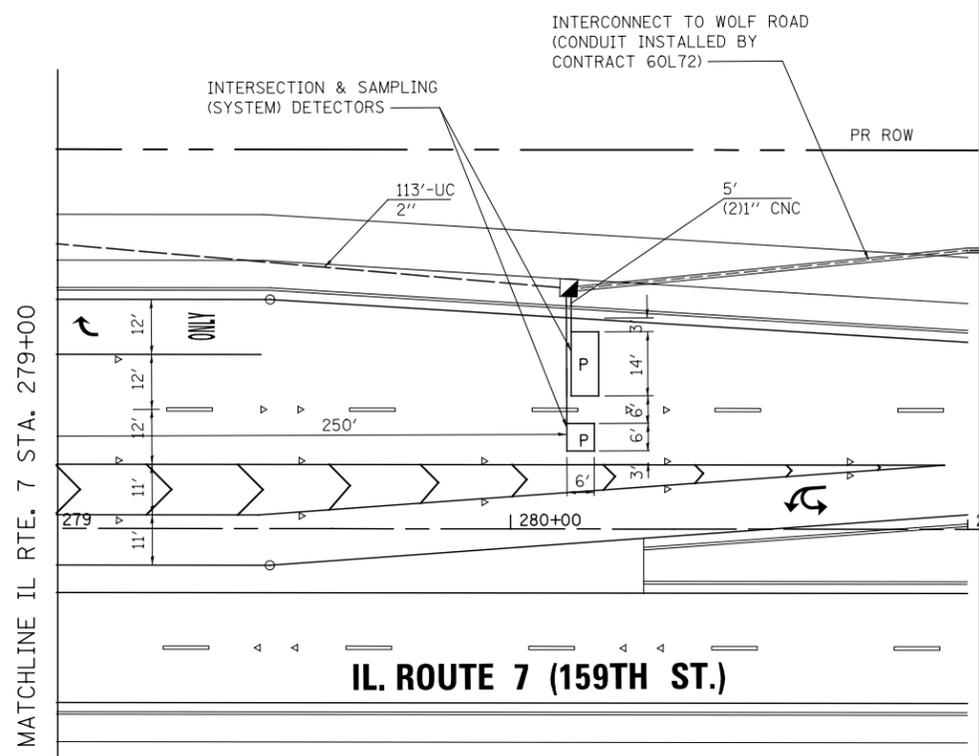
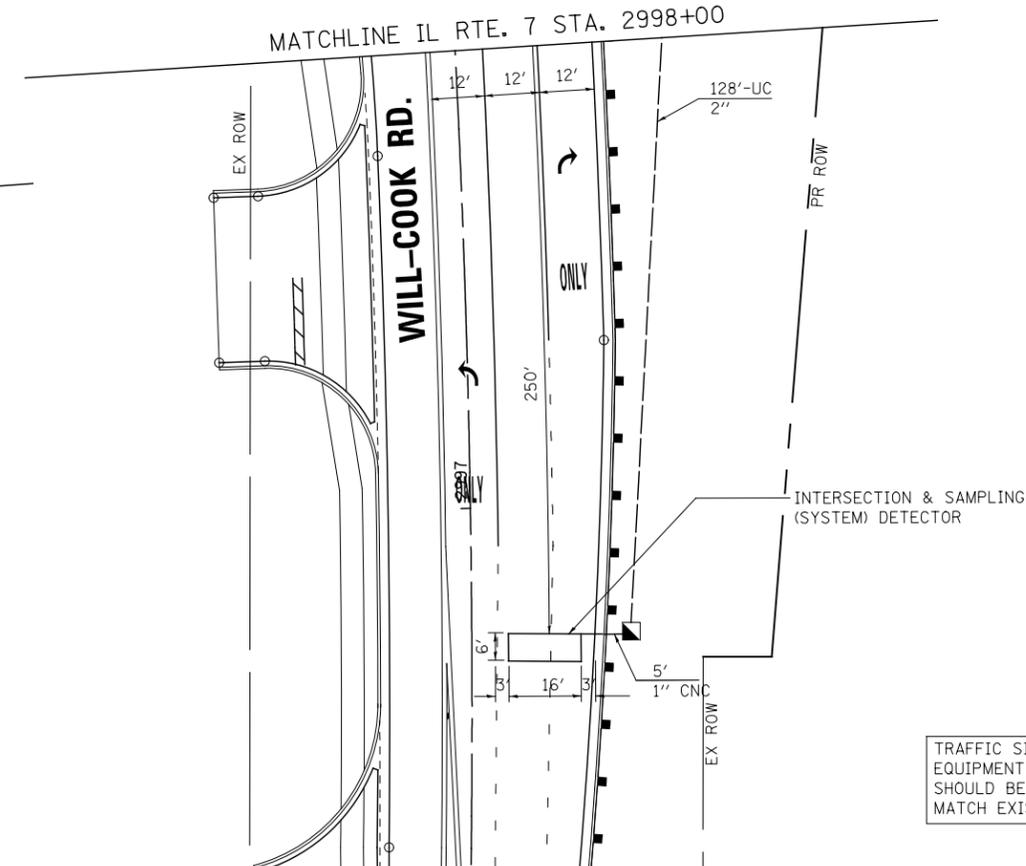
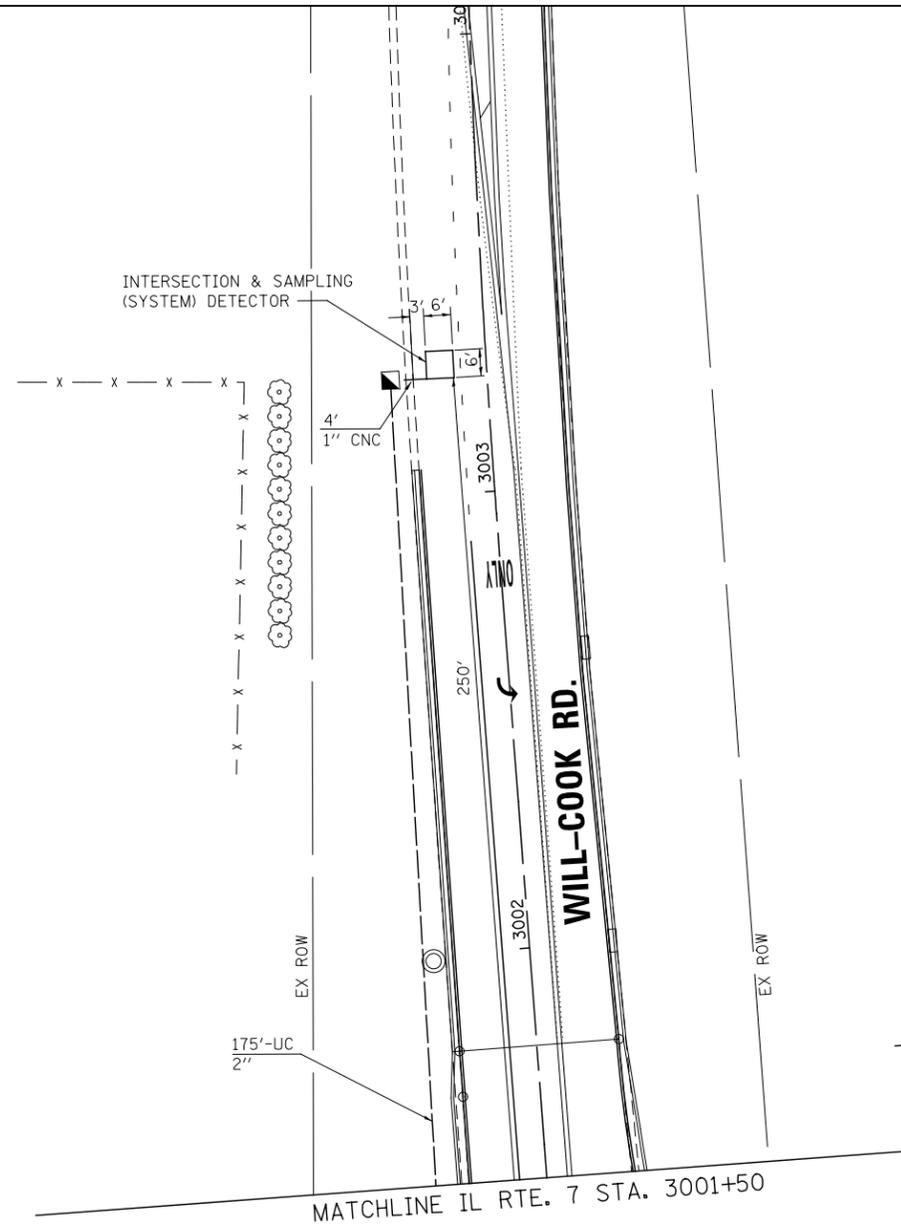
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PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLAN SHEET
ILLINOIS ROUTE 7 AND WILL-COOK RD**
SCALE: AS SHOWN SHEET NO. 44 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	676
TS-44		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\680L71-shht-ts-050_WillCook_PERM_PLAN.dgn



TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHOULD BE "ECONOLITE" TO MATCH EXISTING ADJACENT



USER NAME = mmaestra	DESIGNED MJM	REVISED -
DRAWN MJM	REVIS	REVISED -
PLOT SCALE = 1:40.0003	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN SHEET
ILLINOIS ROUTE 7 AND WILL-COOK RD

SCALE: AS SHOWN SHEET NO. 45 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	677
TS-45			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

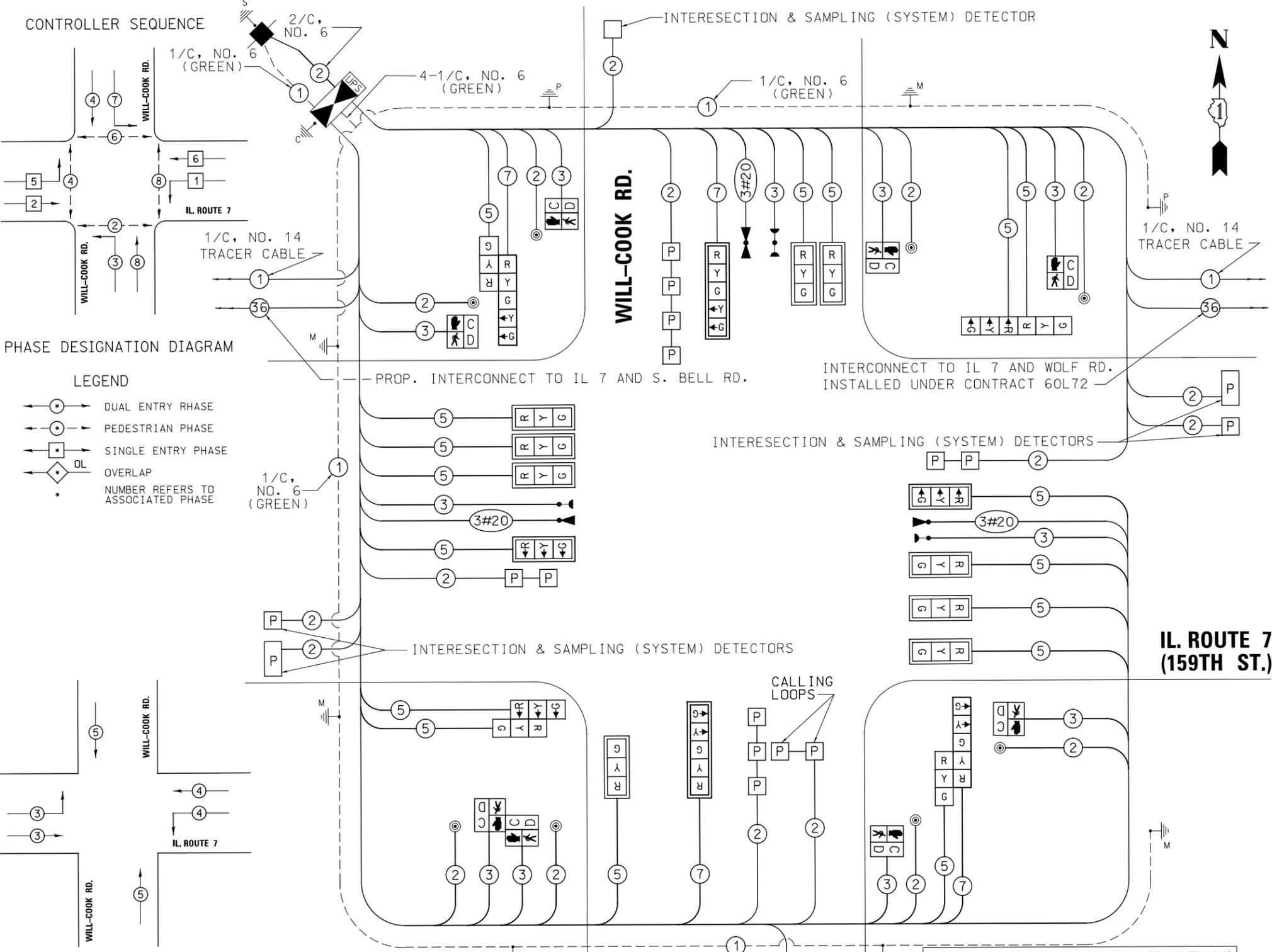
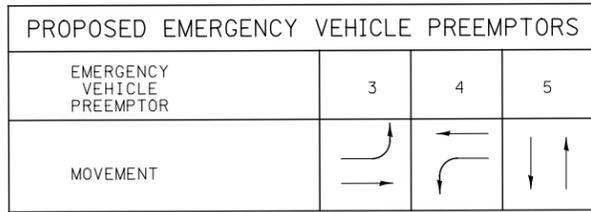
TRAFFIC SIGNALS SCHEDULE OF QUANTITIES, ILLINOIS ROUTE 7 AND WILL-COOK ROAD		
ITEM	UNIT	TOTAL
SIGN PANEL, TYPE 1	SQ.FT	48
SIGN PANEL, TYPE 2	SQ.FT	25
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1330
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	48
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	48
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	505
HANDHOLE	EACH	6
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
* FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, (SPECIAL)	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1421
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2178
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3549
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	853
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3340
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	59
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	814
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	43
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	11
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	13
INDUCTIVE LOOP DETECTOR	EACH	11
DETECTOR LOOP, TYPE I	FOOT	74
PREFORMED DETECTOR LOOP	FOOT	645
** LIGHT DETECTOR	EACH	4
** LIGHT DETECTOR AMPLIFIER	EACH	1
** PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	8
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
** EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	934
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* SUPER P CABINET
 ** 100% COST TO THE ORLAND PARK FIRE PROTECTION DISTRICT

I. D. O. T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	21		17	0.50	179
(YELLOW)	21		25	0.25	131
(GREEN)	21		15	0.25	79
ARROW	4		12	0.10	5
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
ILLUM. SIGN			90	0.50	0
TOTAL =					693

ENERGY COSTS - BILLED TO: Cook County Hwy Dept
 69 W. Washington, Rm 2300
 Chicago, IL 60602-1369

ENERGY SUPPLY - CONTACT: Scott Bertrand
 PHONE: Commonwealth Edison
 (815)768-6278



**IL. ROUTE 7
(159TH ST.)**

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

ALL LOOPS WITHIN THE LIMITS OF PCC ROADWAY RECONSTRUCTION SHALL BE PREFORMED TYPE

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC. AND NO EXTRA COMENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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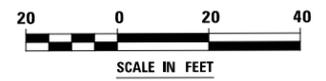
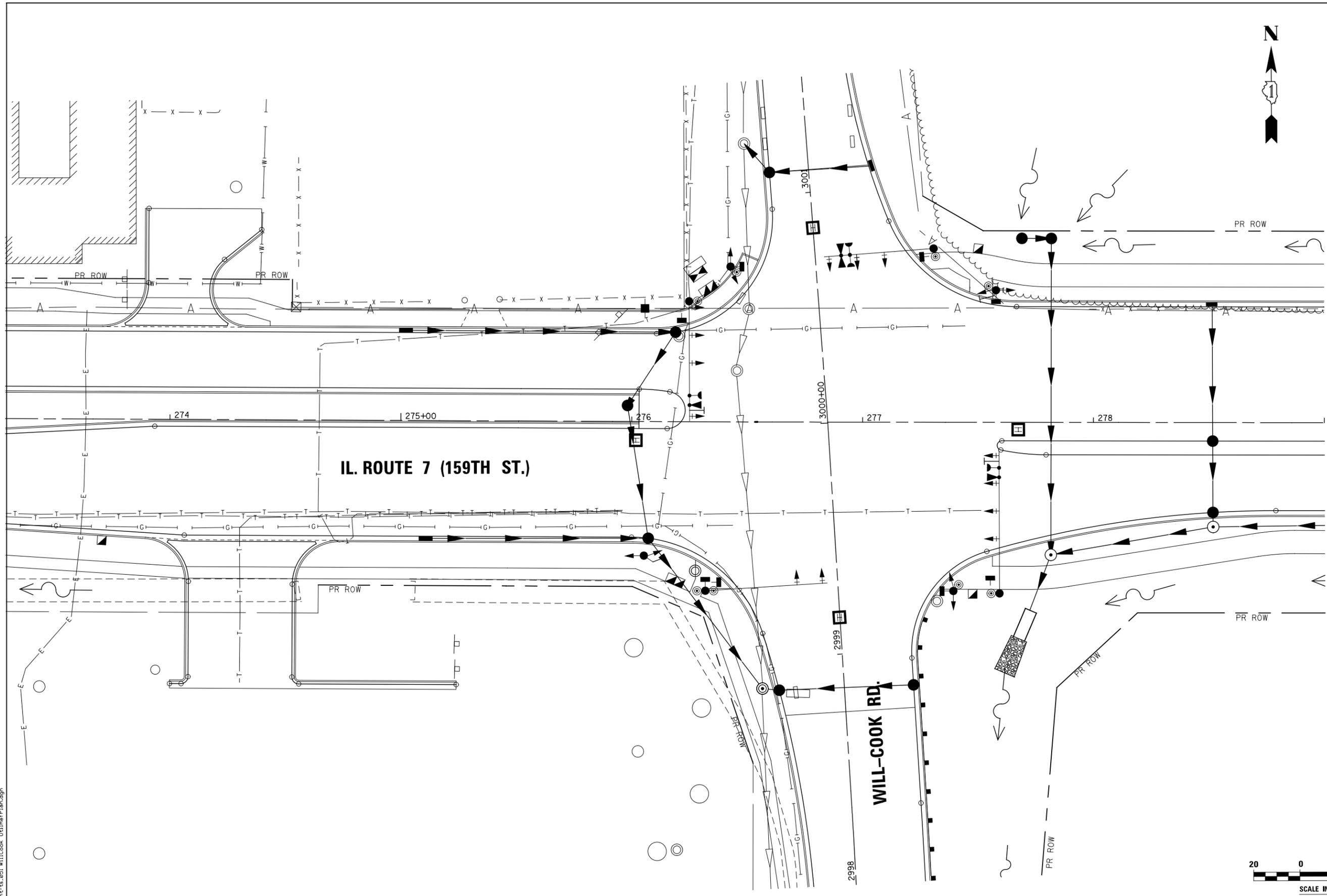
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PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN, SCHEDULE OF QUANTITIES,
PHASE DESIGNATION DIAGRAM & EVP SEQUENCE SHEET
ILLINOIS ROUTE 7 AND WILL-COOK RD**

SCALE: AS SHOWN SHEET NO. 46 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	678
TS-46		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				



FILE NAME = D:\60L71-shr-ts-051 WillCook UtilRefPlan.dgn

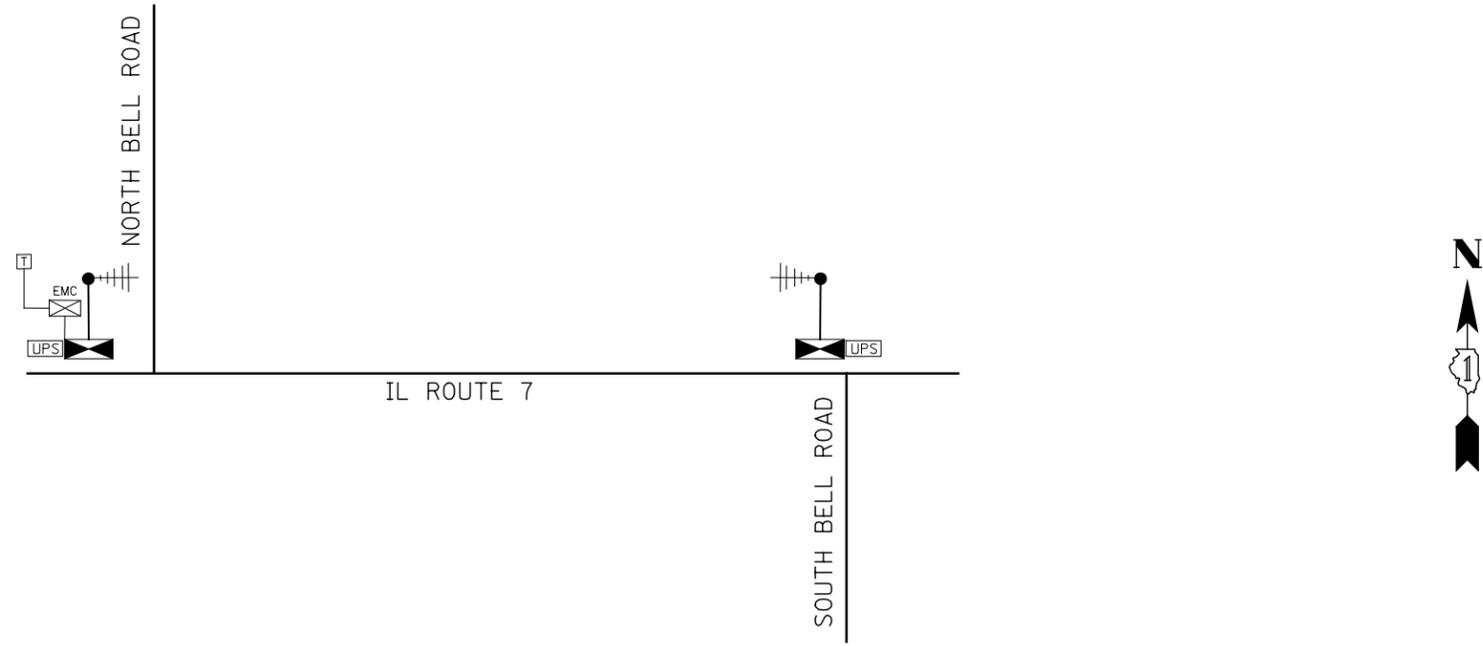
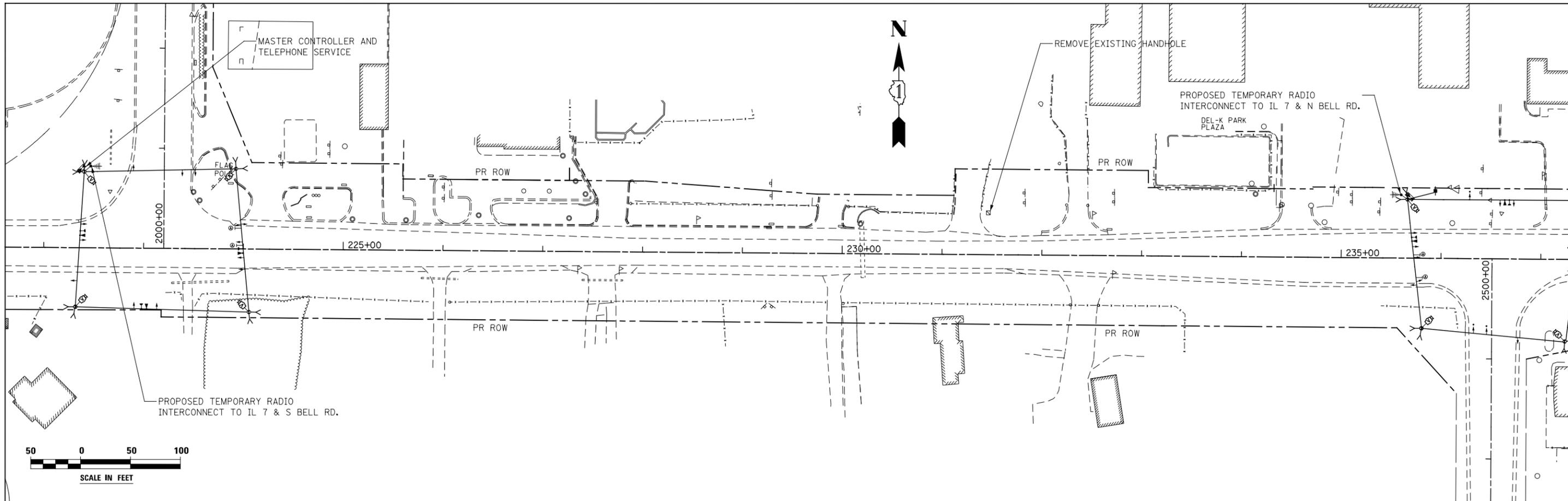
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DRAWN MJM	REVISIONS -	
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PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**UTILITY REFERENCE PLAN
ILLINOIS ROUTE 7 AND WILL-COOK RD**

SCALE: AS SHOWN SHEET NO. 47 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	679
TS-47			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				



**TEMPORARY RADIO INTERCONNECT SCHEMATIC - IL ROUTE 7
FROM N BELL ROAD TO S BELL ROAD**

TRAFFIC SIGNAL CONTROLLER
EQUIPMENT FOR THIS PROJECT
SHOULD BE "ECONOLITE" TO
MATCH EXISTING ADJACENT

FILE NAME = D:\680_71\shht-TS_07_TEMP_Interconnect.dgn

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DRAWN MJM	REVISED -	
PLOT SCALE = 1:100.032	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN - IL ROUTE 7
FROM NORTH BELL ROAD TO SOUTH BELL ROAD**

SCALE: AS SHOWN SHEET NO. 48 OF 64 SHEETS STA. TO STA.

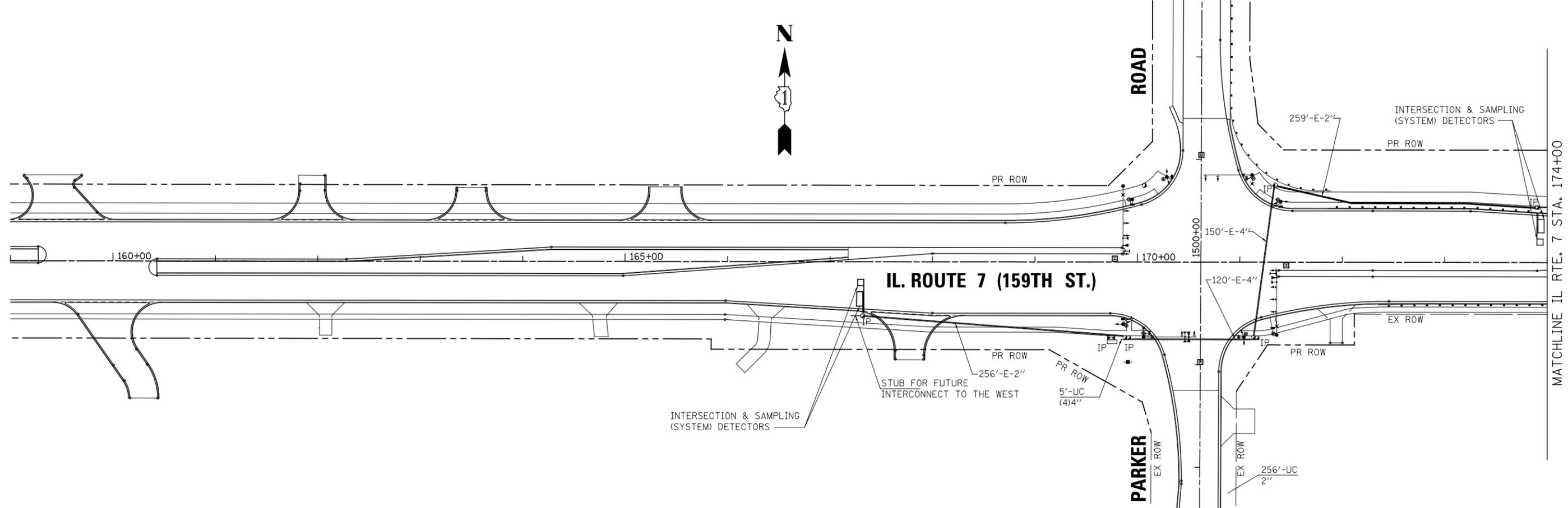
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	680
TS-48			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				



ROAD

PARKER

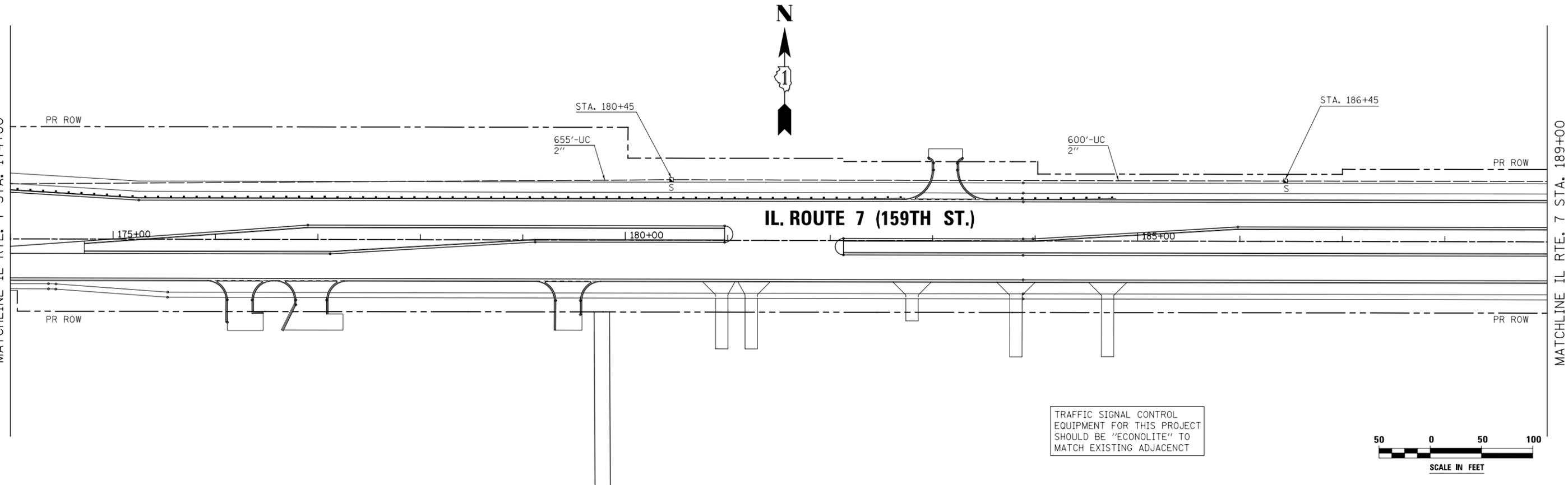
IL. ROUTE 7 (159TH ST.)



MATCHLINE IL RTE. 7 STA. 174+00



IL. ROUTE 7 (159TH ST.)



MATCHLINE IL RTE. 7 STA. 189+00

TRAFFIC SIGNAL CONTROL EQUIPMENT SHOULD BE "ECONOLITE" TO MATCH EXISTING ADJACENT



FILE NAME = D:\60L71\shht-TS_09_1\interconnect.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
DRAWN MJM	REVISED -	
PLOT SCALE = 1:100.032	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INTERCONNECT PLAN IL ROUTE 7
FROM PARKER ROAD TO WOLF ROAD

SCALE: AS SHOWN SHEET NO. 49 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	681
TS-49			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

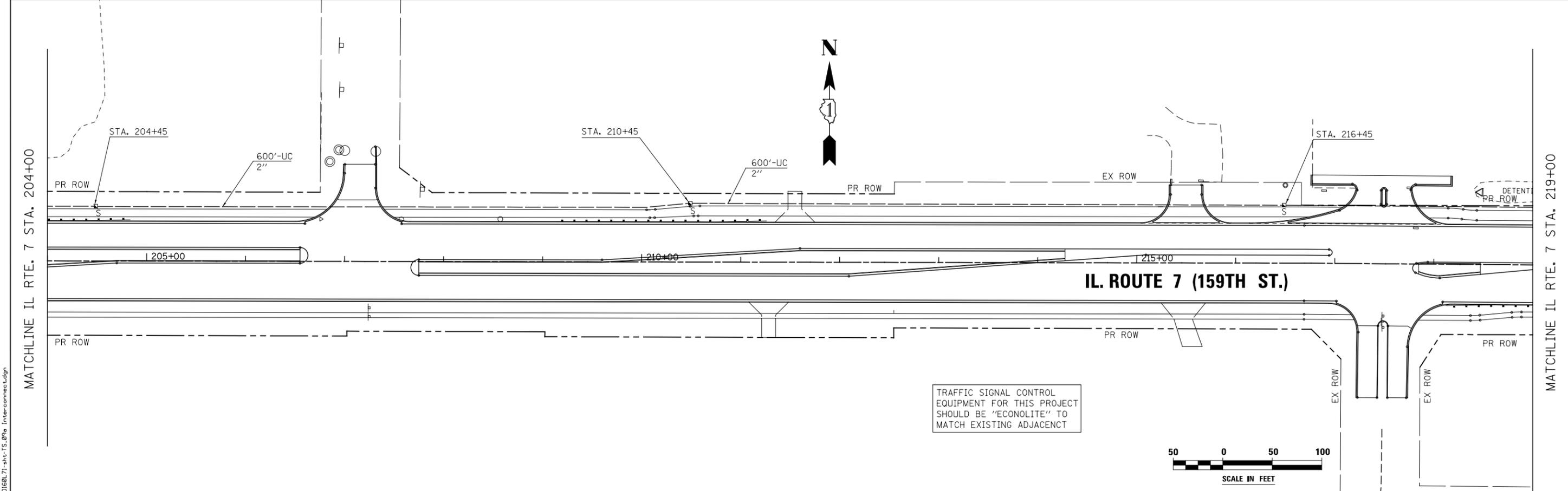
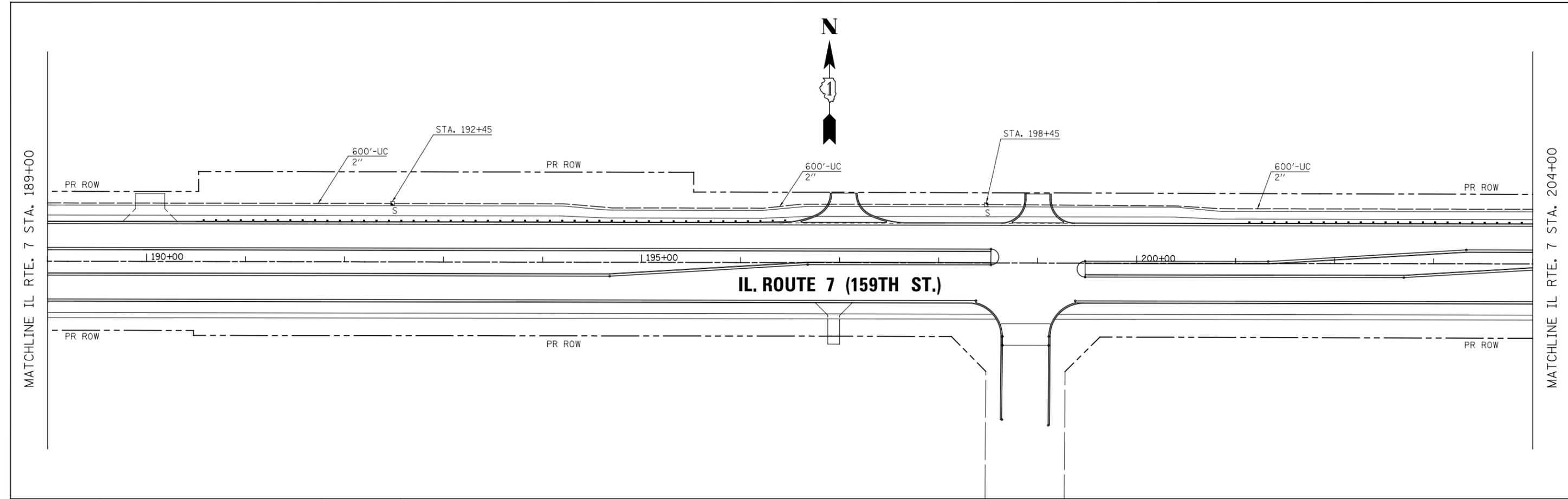
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MATCHLINE IL RTE. 7 STA. 189+00

MATCHLINE IL RTE. 7 STA. 204+00

MATCHLINE IL RTE. 7 STA. 204+00

MATCHLINE IL RTE. 7 STA. 219+00



TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHOULD BE "ECONOLITE" TO MATCH EXISTING ADJACENT



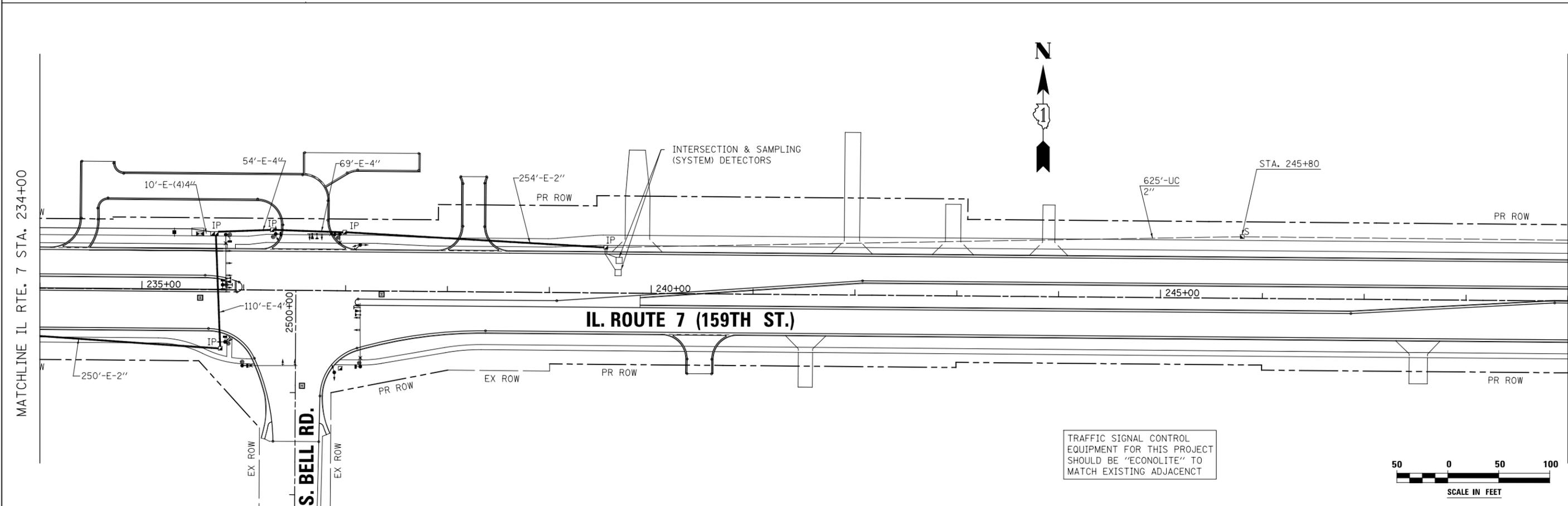
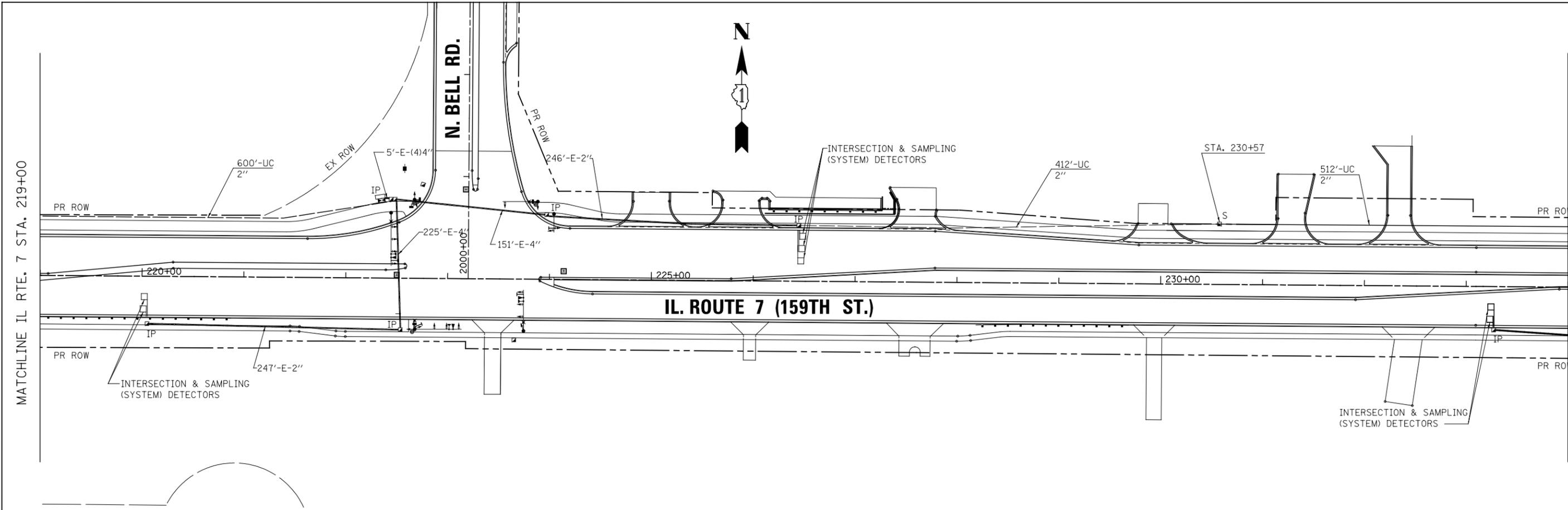
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DRAWN MJM	REVISIONS -	
PLOT SCALE = 1:100.032	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INTERCONNECT PLAN IL ROUTE 7
FROM PARKER ROAD TO WOLF ROAD

SCALE: AS SHOWN SHEET NO. 50 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	682
TS-50			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHOULD BE "ECONOLITE" TO MATCH EXISTING ADJACENT



FILE NAME = D:\6071\sh-t-ts_09b Interconnect.dgn

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DRAWN MJM	REVISIONS -	
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PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

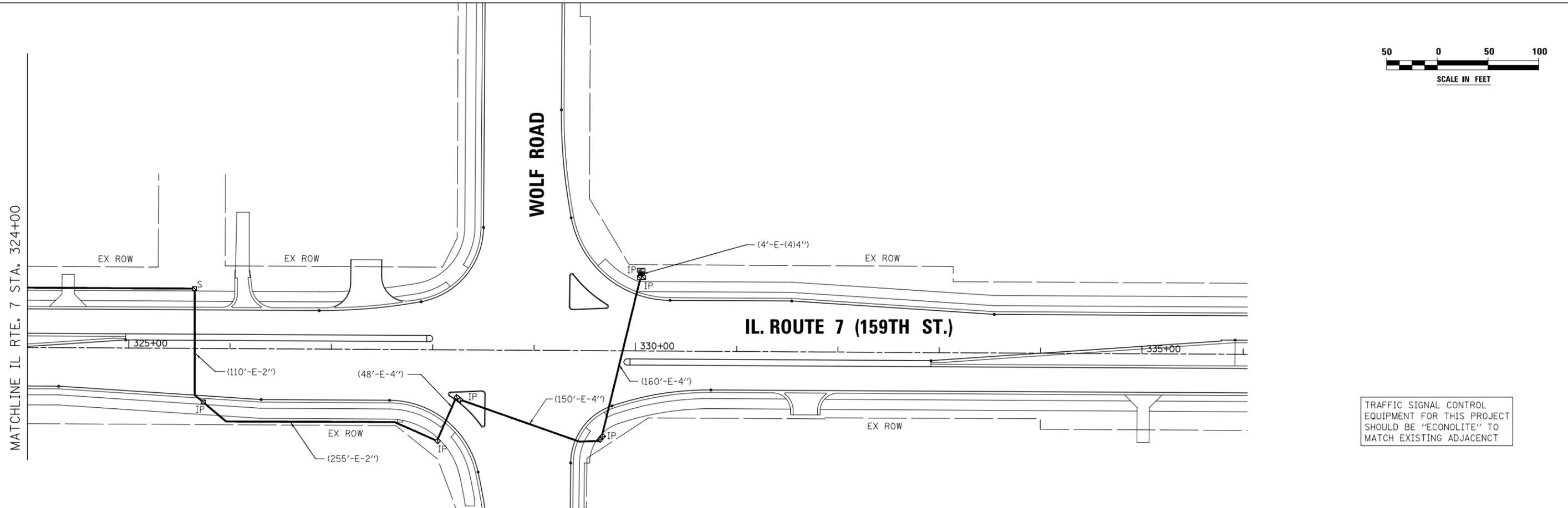
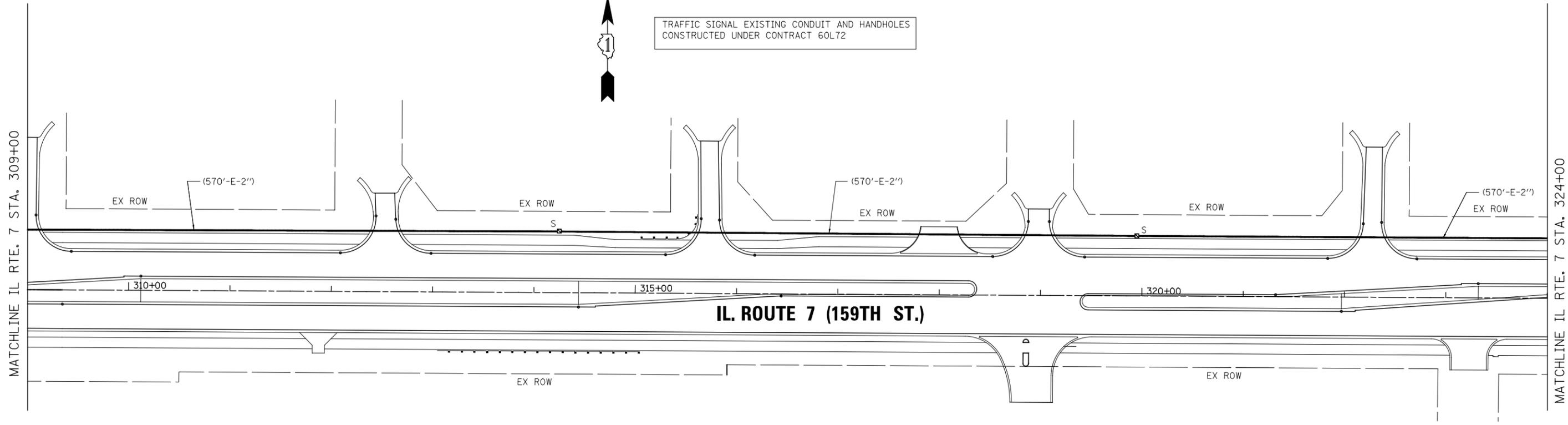
**TRAFFIC SIGNAL INTERCONNECT PLAN IL ROUTE 7
FROM PARKER ROAD TO WOLF ROAD**

SCALE: AS SHOWN SHEET NO. 51 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	683
TS-51			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNAL EXISTING CONDUIT AND HANDHOLES
CONSTRUCTED UNDER CONTRACT 60L72



TRAFFIC SIGNAL CONTROL
EQUIPMENT FOR THIS PROJECT
SHOULD BE "ECONOLITE" TO
MATCH EXISTING ADJACENT

FILE NAME = D:\680L71\sh-t-ts_09e Interconnect.dgn

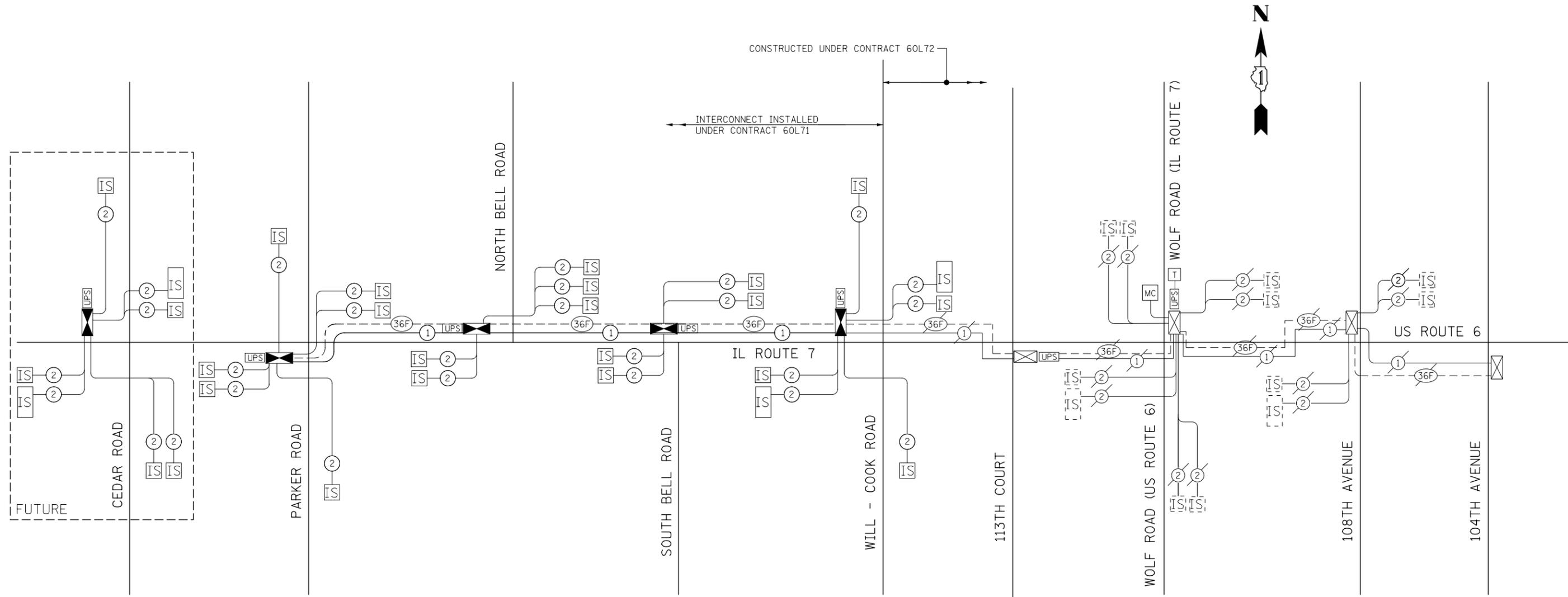
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PLOT SCALE = 1:100.032	CHECKED PJO	REVISED -
PLOT DATE = 8/15/2014	DATE 8/15/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INTERCONNECT PLAN IL ROUTE 7
FROM PARKER ROAD TO WOLF ROAD

SCALE: AS SHOWN SHEET NO. 54 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	686
TS-54			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				



**TRAFFIC SIGNALS SCHEDULE OF QUANTITIES
PROPOSED INTERCONNECT**

ITEM	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	9460
HANDHOLE	EACH	13
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	11065
REMOVE EXISTING HANDHOLE	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	11065
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	NOTE 1

TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHOULD BE "ECONOLITE" TO MATCH EXISTING ADJACENT

NOTE 1: THE OPTIMIZATION OF THE TRAFFIC SIGNAL SYSTEM IS INCLUDED IN CONTRACT 60L72 WHERE THE PERMANENT MASTER CONTROLLER IS LOCATED.

FILE NAME = D:\60L71\shl\ts_09f Interconnect.schematic.dgn

USER NAME = mmaestra	DESIGNED MJM	REVISED -
DRAWN MJM	REVISIONS -	
PLOT SCALE = 1:40.013	CHECKED PJO	REVISED -
PLOT DATE = 10/20/2014	DATE 10/21/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT SCHEMATIC - IL ROUTE 7
FROM PARKER ROAD TO WOLF ROAD**

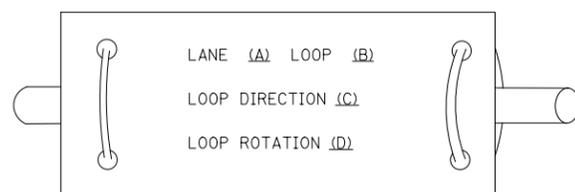
SCALE: AS SHOWN SHEET NO. 55 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	687
TS-55		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				

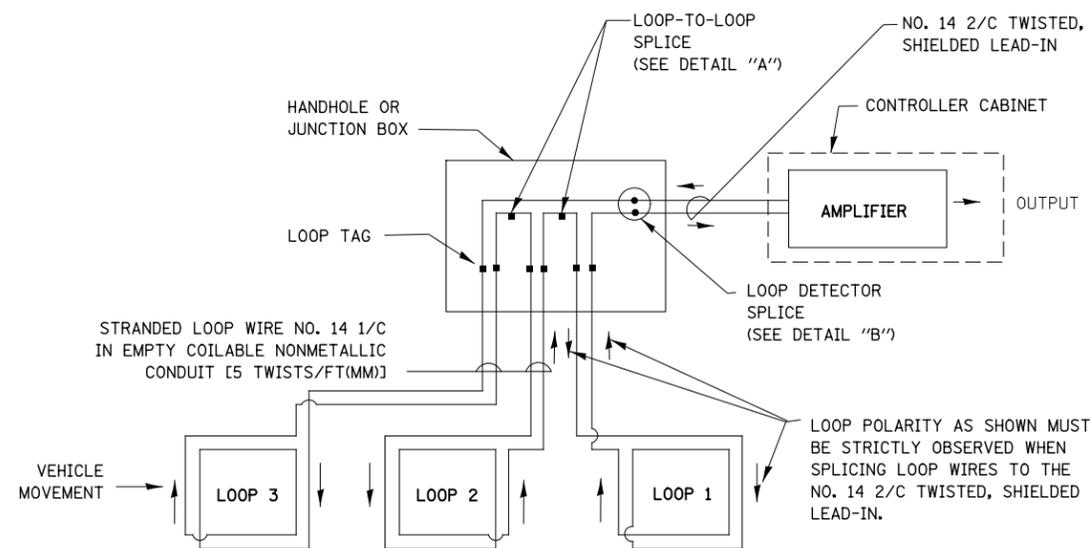
LOOP DETECTOR NOTES

- 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.

LOOP LEAD-IN CABLE TAG

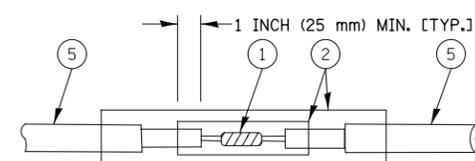


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

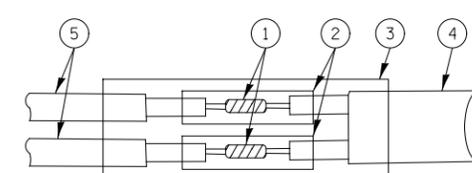


DETECTOR LOOP WIRING SCHEMATIC

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

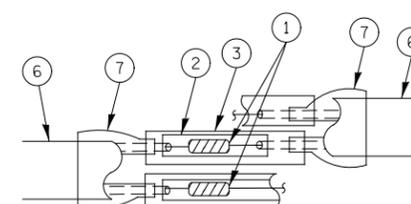


DETAIL "A"
LOOP-TO-LOOP SPLICE

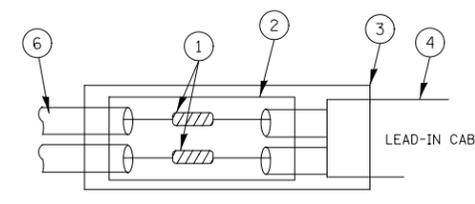


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

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

TS-56

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

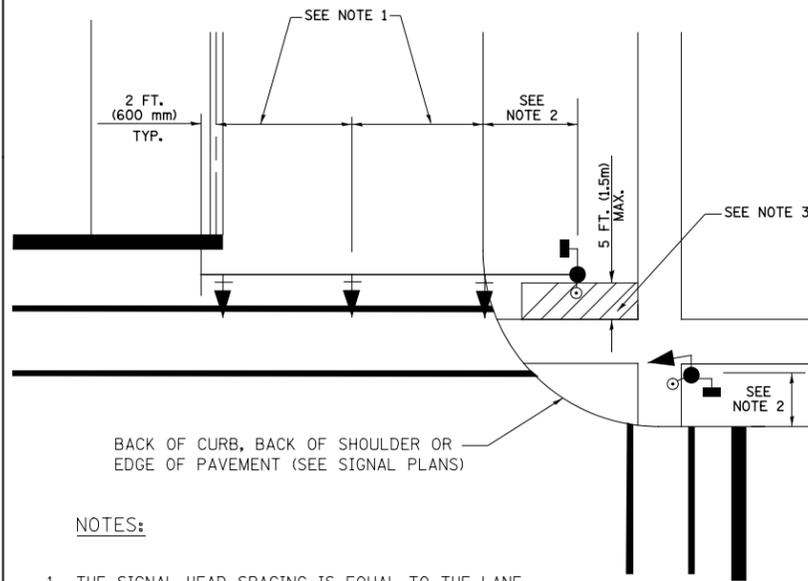
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	688
TS-5a			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET NO. 56 OF 64 SHEETS STA. TO STA.

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

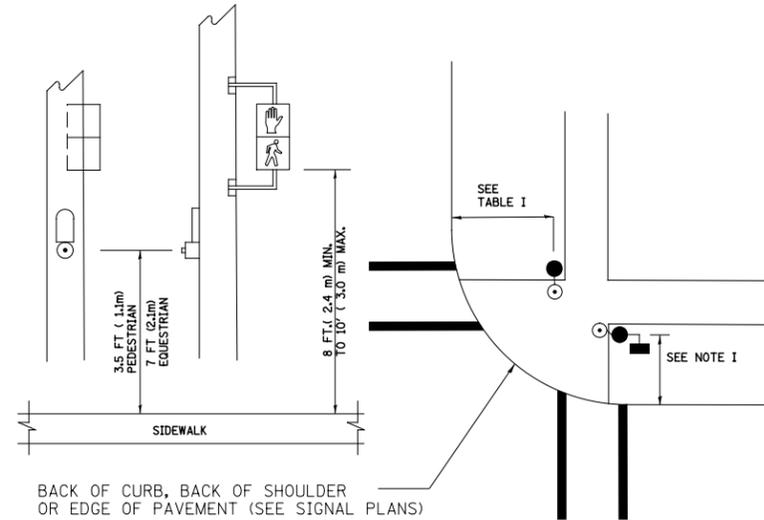
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

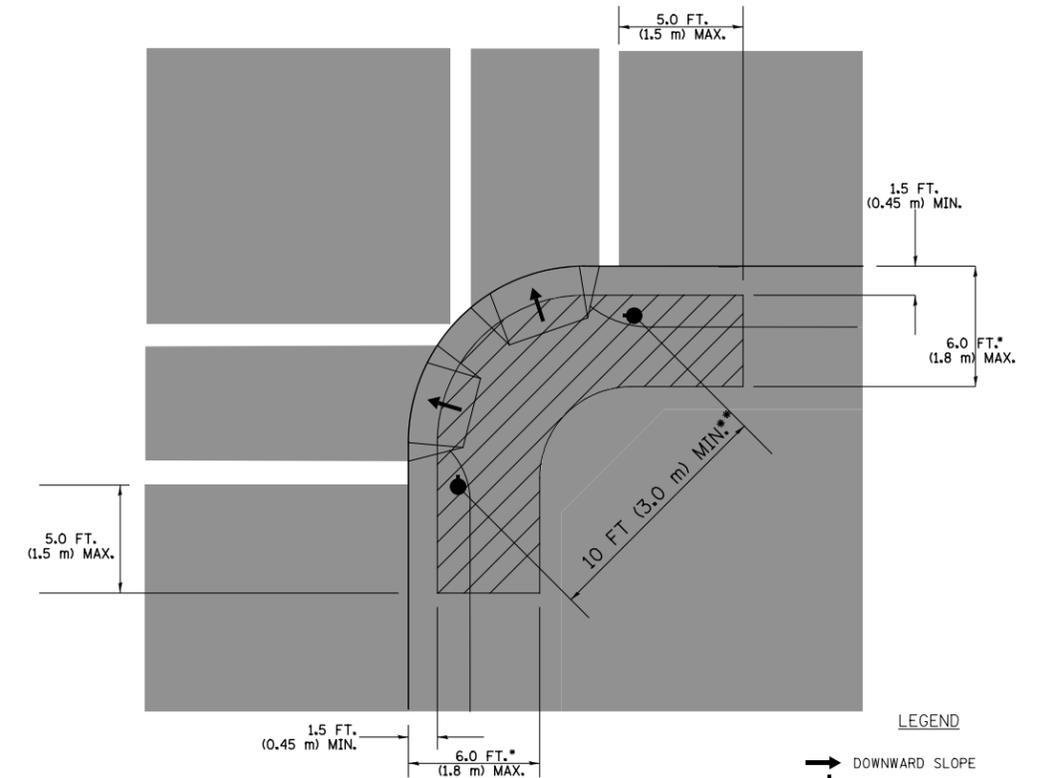
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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



- * 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.

FILE NAME = D:\60L71-ah-t-15-10b-DISTDS-1005b.dgn

USER NAME = mmaestra	DESIGNED DAD	REVISED -
PLOT SCALE = 1:100.001	CHECKED DAD	REVISED -
PLOT DATE = 8/15/2014	DATE 10-28-09	REVISED -

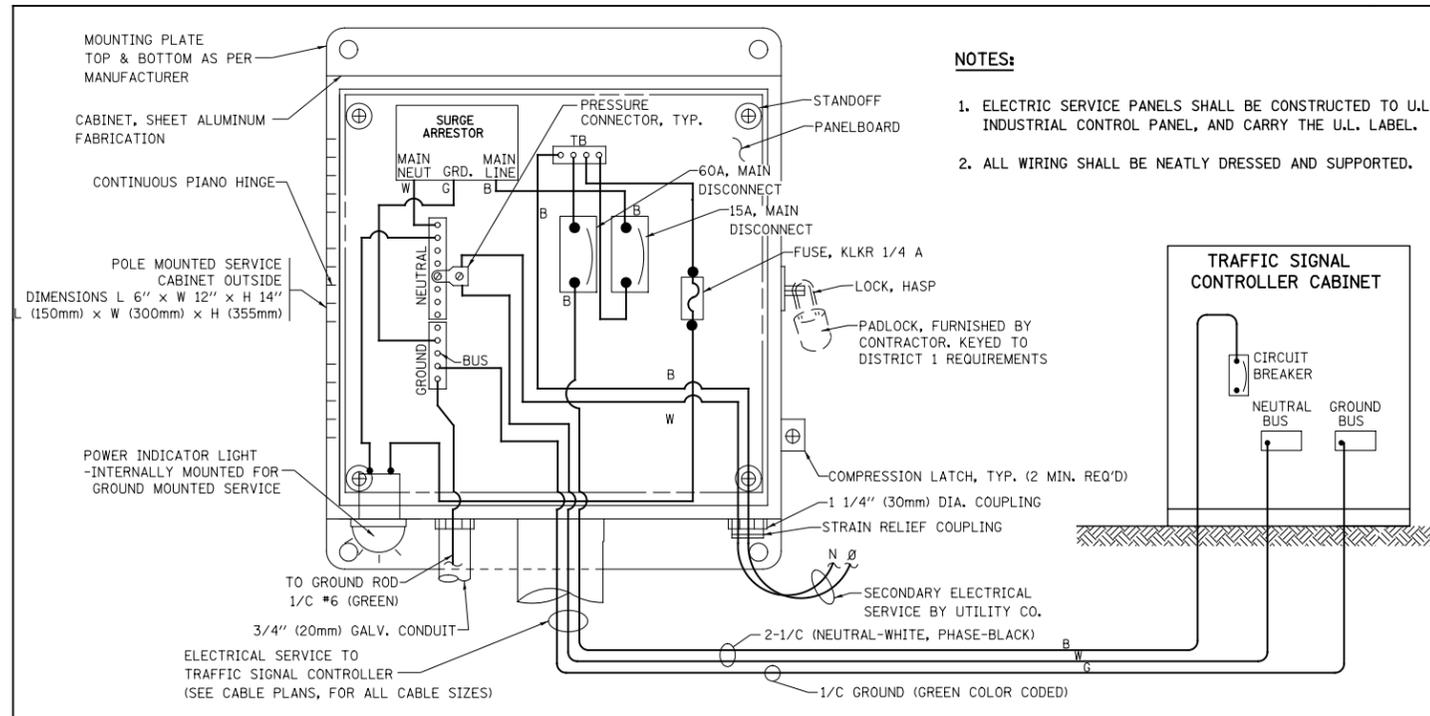
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

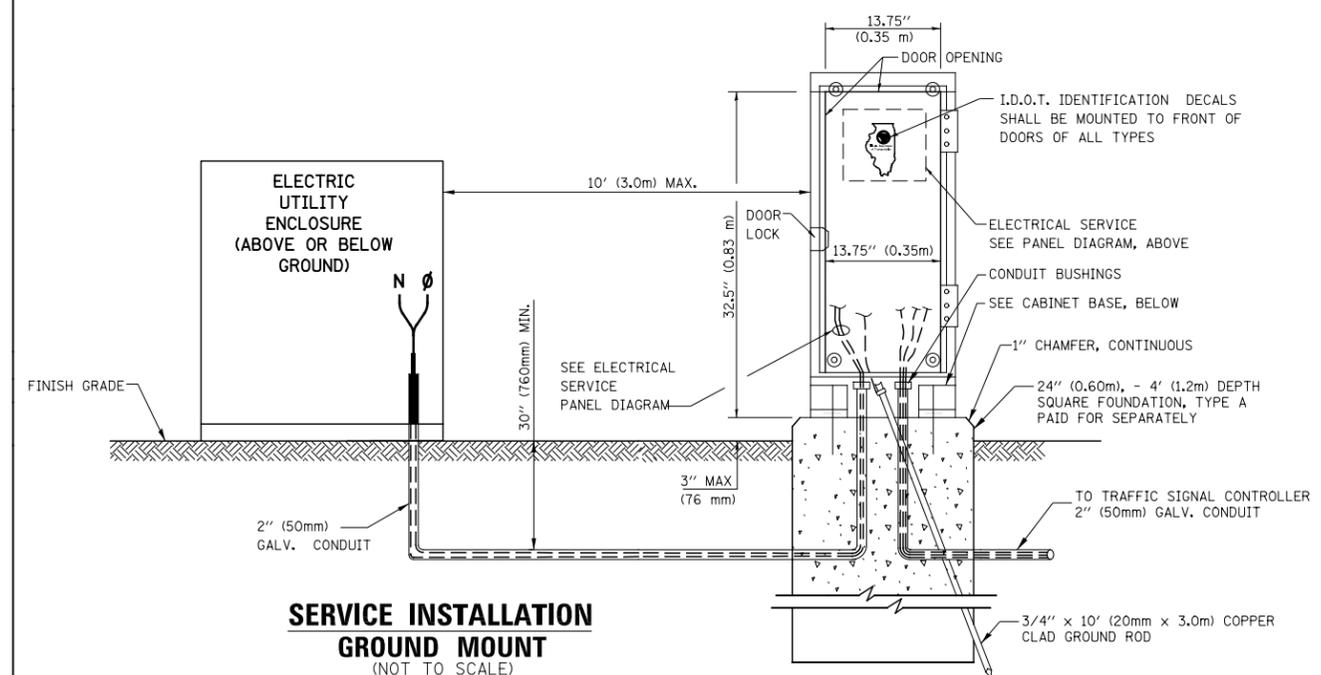
SCALE: NONE SHEET NO. 57 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	689
TS-5b		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				

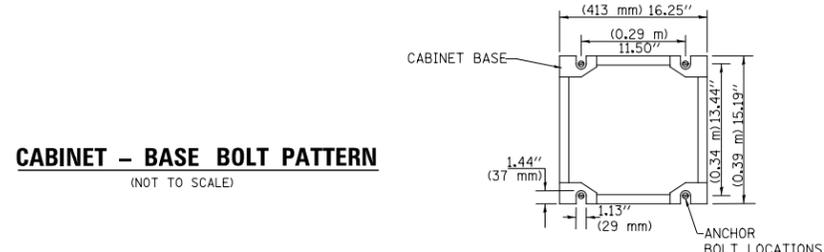
TS-57



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

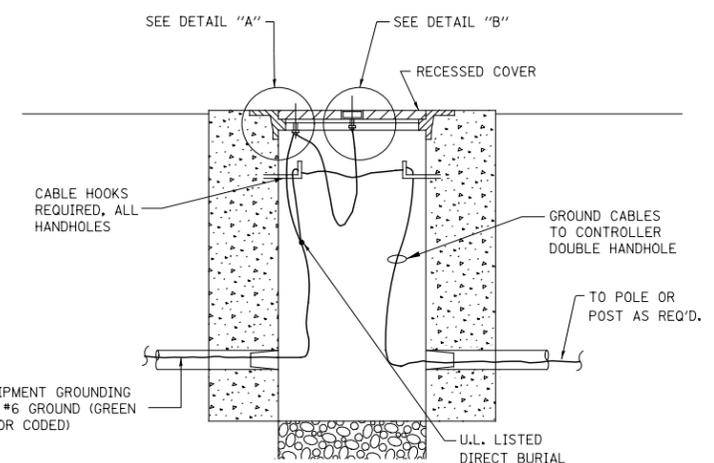
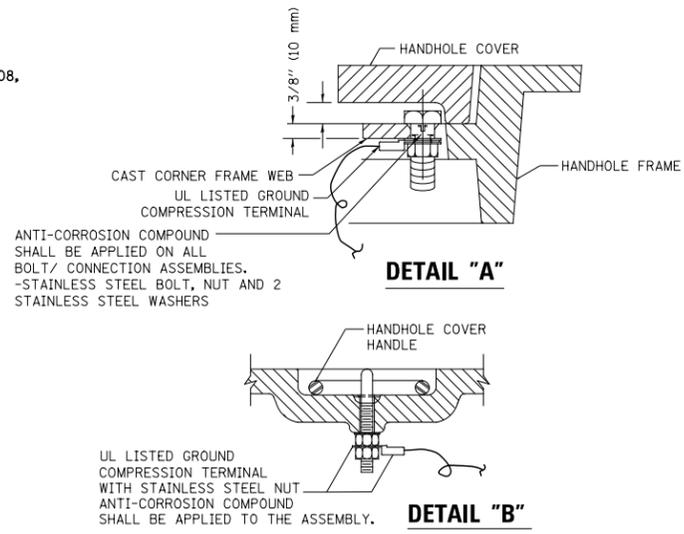


SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)

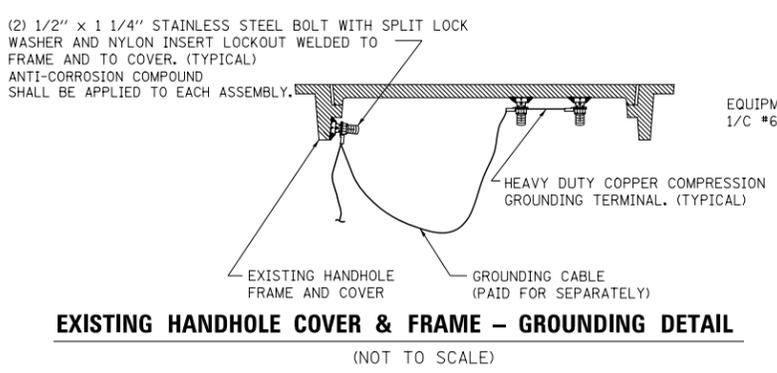


CABINET - BASE BOLT PATTERN
 (NOT TO SCALE)

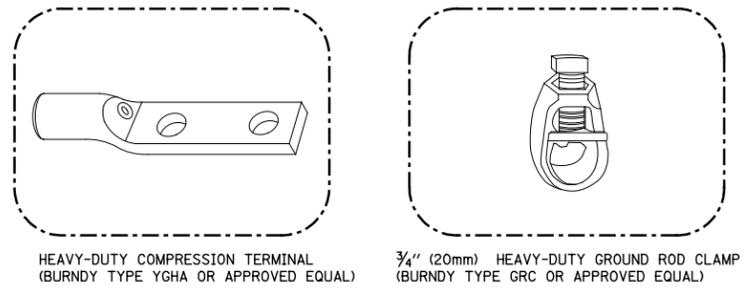
- NOTES:**
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
 2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)

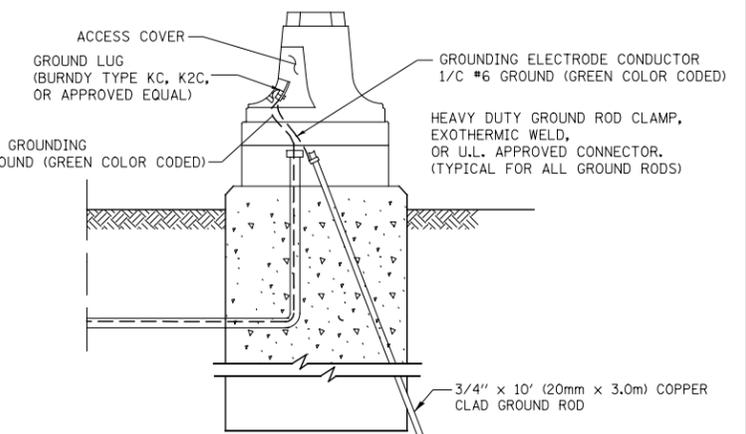


EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)



HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)
 3/4" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

- 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.



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

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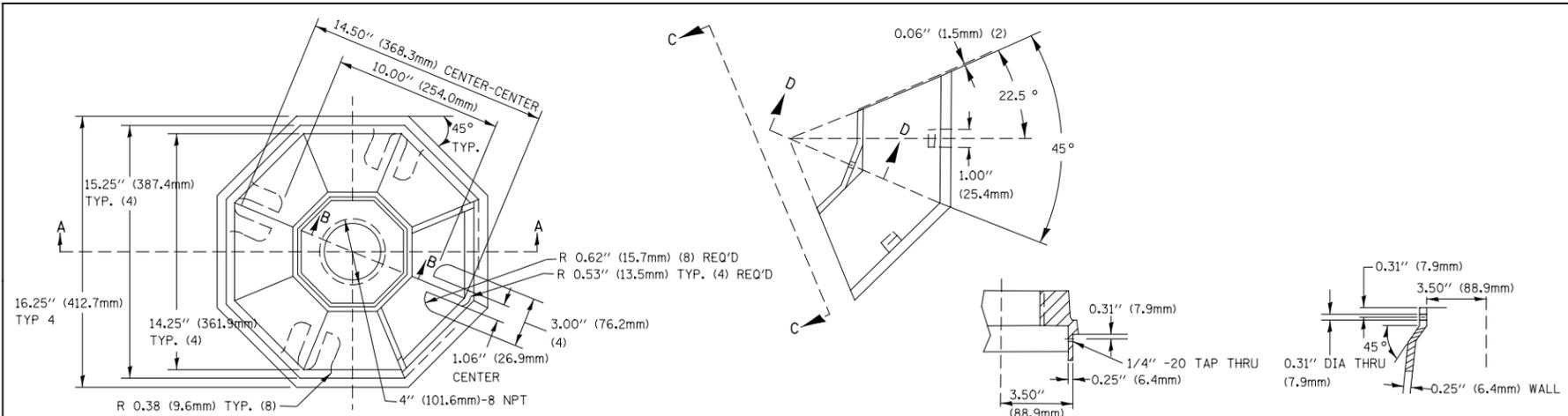
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	DATE 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET NO. 58 OF 64 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	690
TS-5c		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				

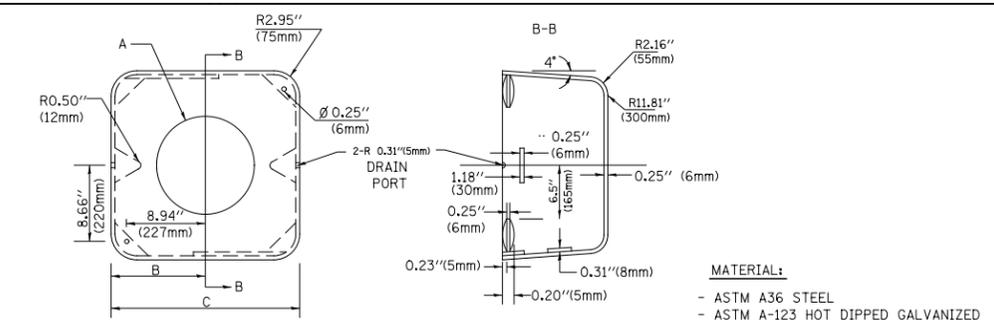
TS-58



TOP VIEW

SECTION B-B

SECTION D-D

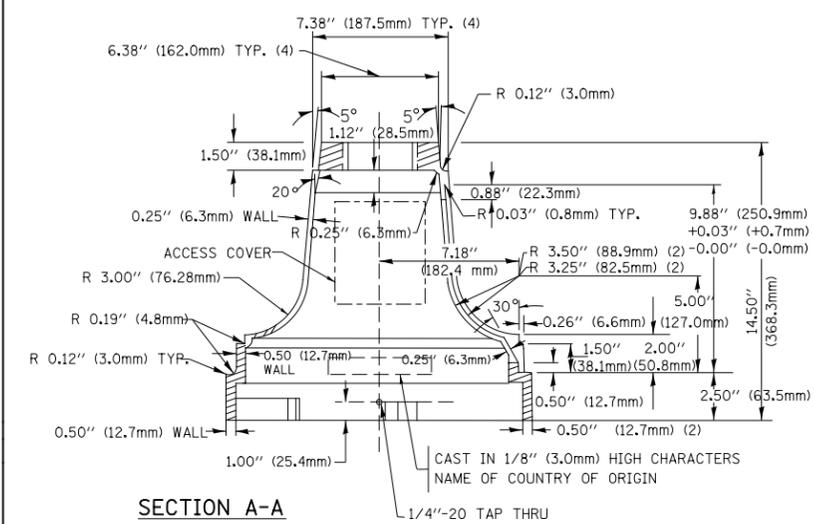


SHROUD

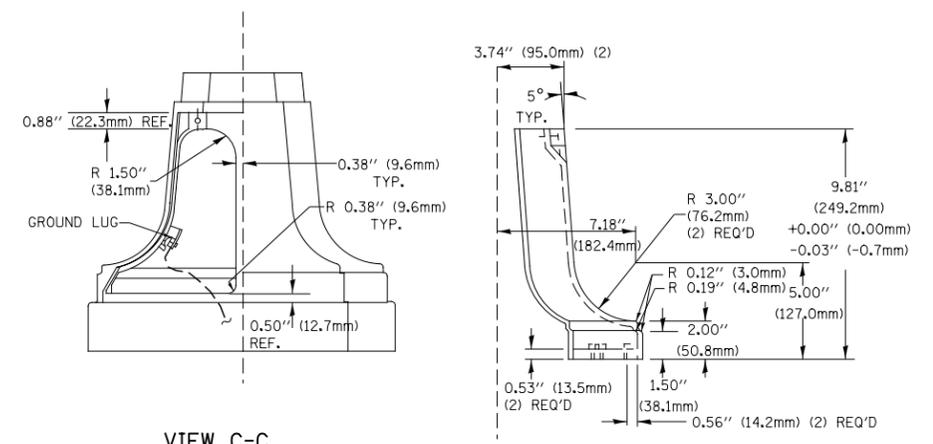
A	B	C	HEIGHT	WEIGHT
VARIES	9.5\"(241mm)	19\"(483mm)	7\"(178mm) - 12\"(300mm)	53 lbs (24kg)
VARIES	10.75\"(273mm)	21.5\"(546mm)	7\"(178mm) - 12\"(300mm)	68 lbs (31 kg)
VARIES	13.0\"(330mm)	26\"(660mm)	7\"(178mm) - 12\"(300mm)	81 lbs (37 kg)
VARIES	18.5\"(470mm)	37\"(940mm)	7\"(178mm) - 12\"(300mm)	126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

NOTES:

- 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.
- THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

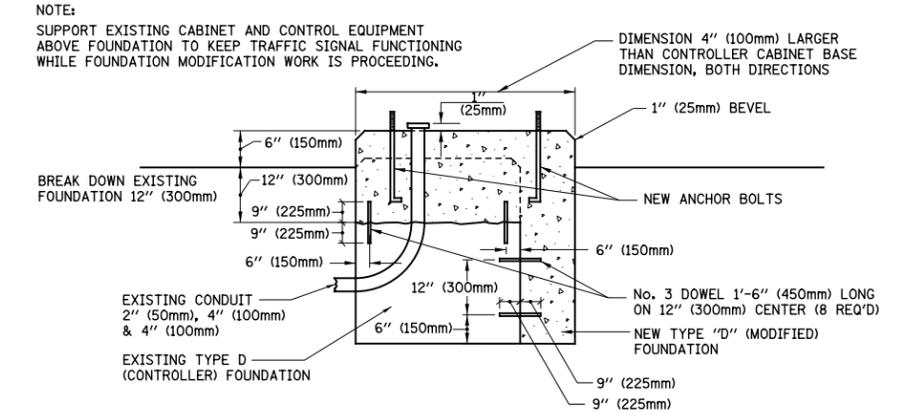


SECTION A-A

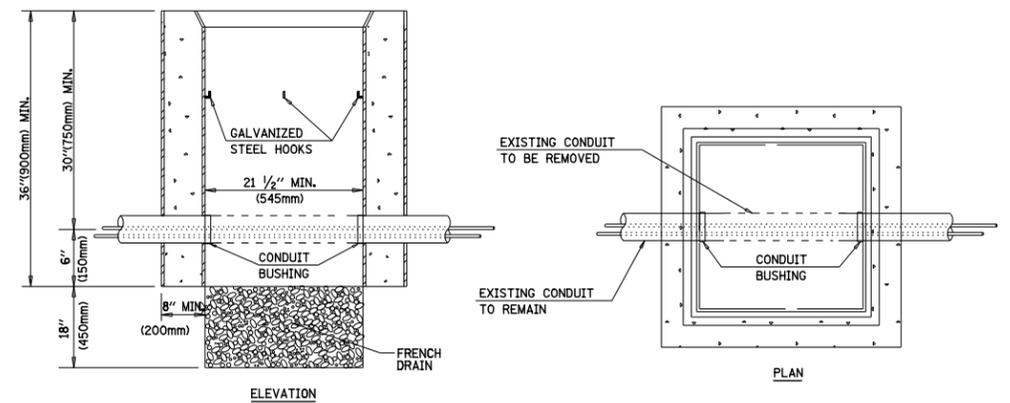


VIEW C-C

TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



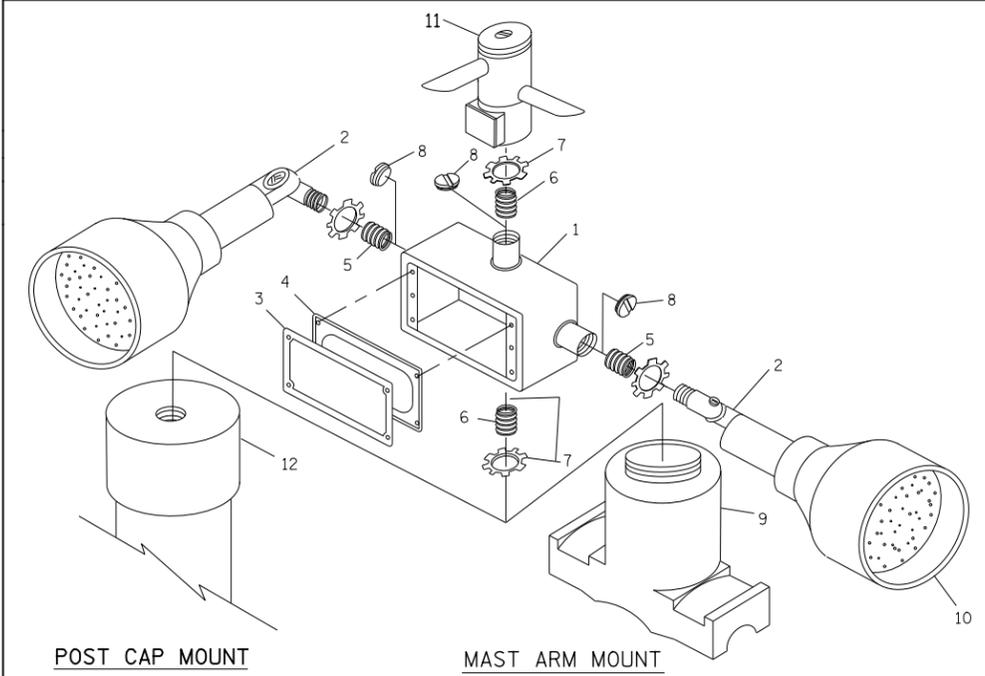
MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

- HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT



POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	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:

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-0-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- 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.

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	DATE 10-28-09	REVISED -

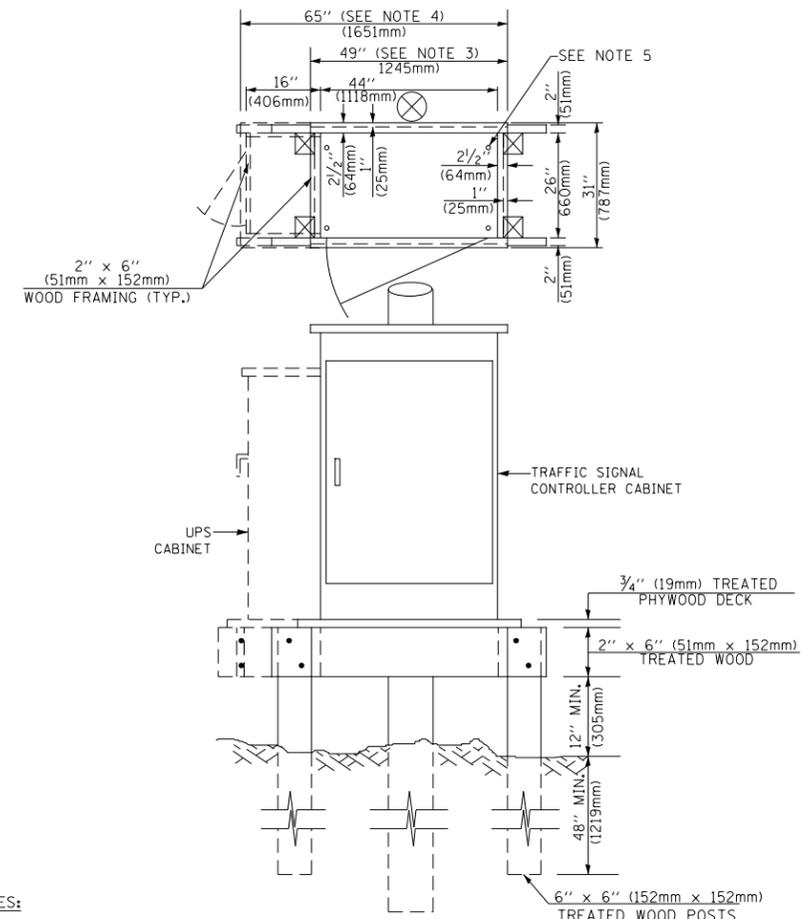
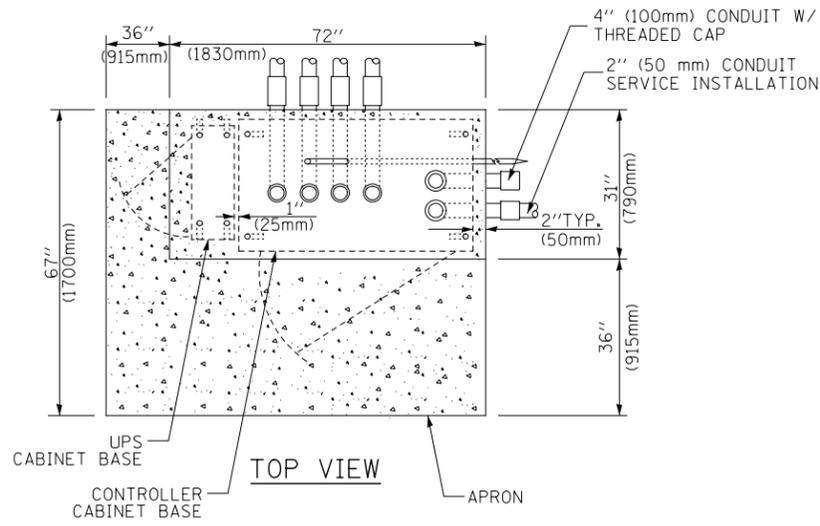
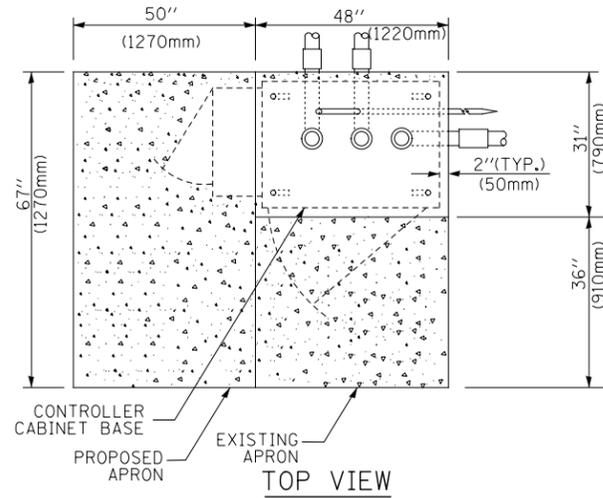
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE	SHEET NO. 59 OF 64 SHEETS	STA. TO STA.
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DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

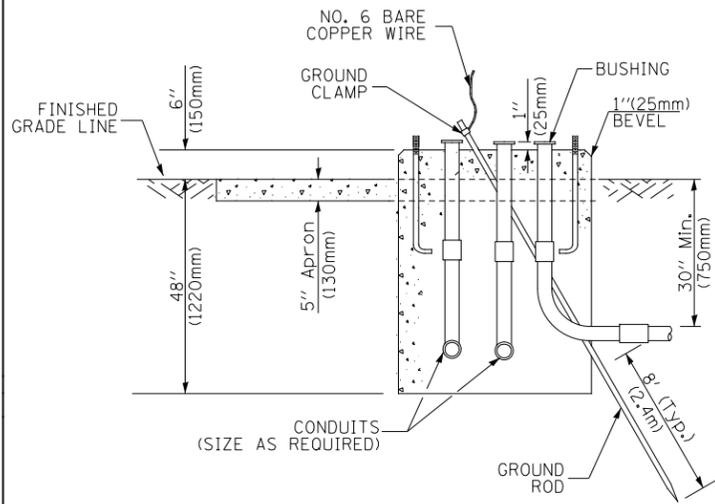
F.A.P. RTE. 351	SECTION 536-R-1	COUNTY WILL	TOTAL SHEETS 1232	SHEET NO. 691
TS-5d			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

TS-59

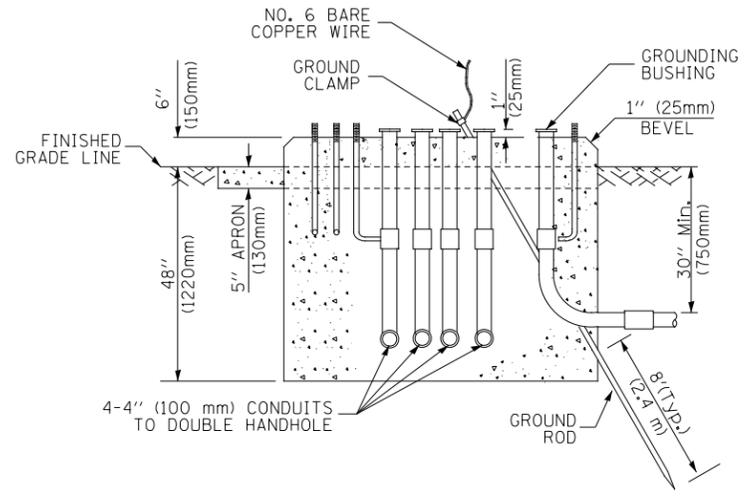


- NOTES:**
1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET 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**



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



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

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	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 less than 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

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PLOT DATE = 8/15/2014	CHECKED DAD	REVISED -
	DATE 10-28-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS		351	536-R-1	WILL	1232	692
SCALE: NONE		TS-5e		CONTRACT NO. 60L71		
SHEET NO. 60 OF 64 SHEETS		ILLINOIS FED. AID PROJECT				

TS-60

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			
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM21F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)			
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		S	S	STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I	IP	ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM	R			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	RL			SIGNAL POST AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM	A			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				EXISTING INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				EXISTING PREFORMED INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) 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)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED							
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID							
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER							
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT							
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER							
DETECTOR LOOP, TYPE I				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
PREFORMED DETECTOR LOOP				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
MICROWAVE VEHICLE SENSOR											
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

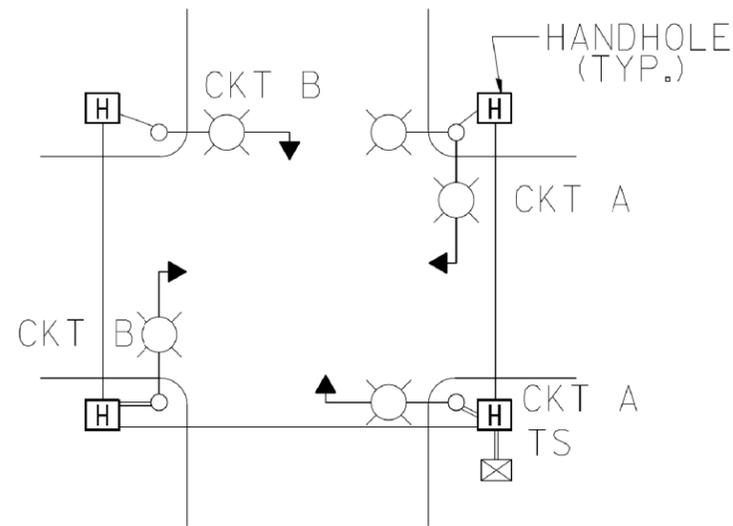
RAILROAD SYMBOLS

	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

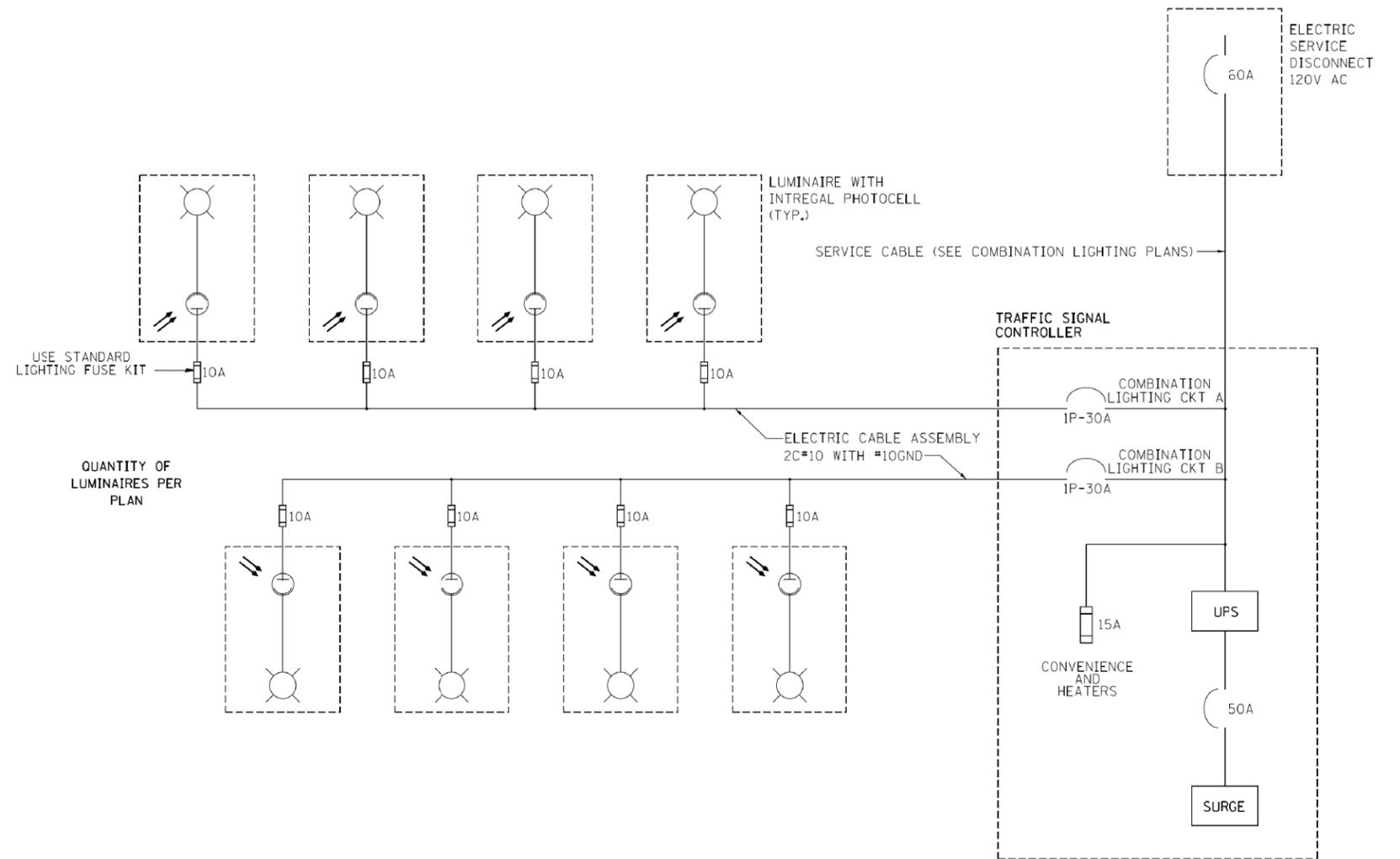
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DRAWN BCK	REVISED -			STANDARD TRAFFIC SIGNAL DESIGN DETAILS	TS-5f		CONTRACT NO. 60L71			
PLOT SCALE = 1:100.001	CHECKED DAD	REVISED -			SCALE: NONE	SHEET NO. 61 OF 64	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT
PLOT DATE = 8/15/2014	DATE 10-28-09	REVISED -								

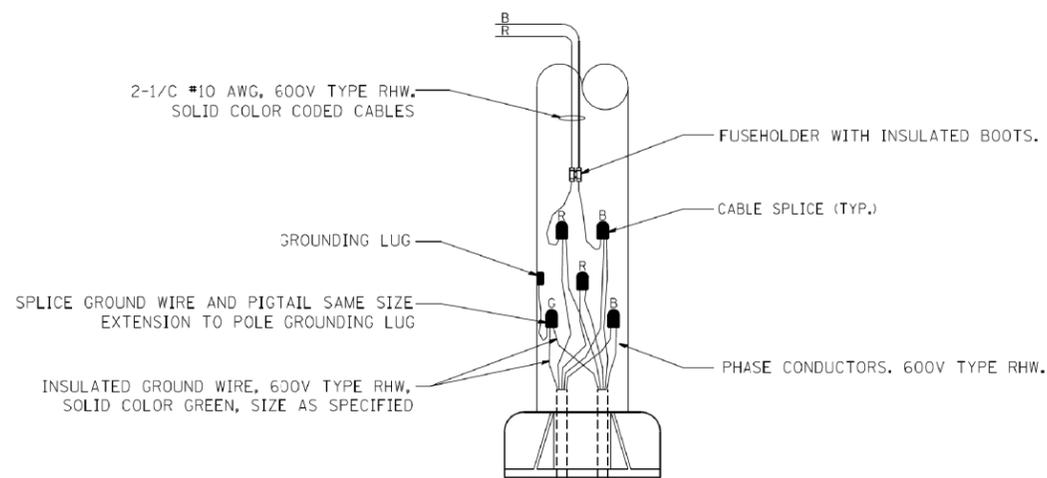
TS-61



TYPICAL LIGHTING LAYOUT
(NOT TO SCALE)



QUANTITY OF LUMINAIRES PER PLAN



COMBINATION POLE WIRING DETAIL
(NOT TO SCALE)

NOTES:

- 1.- 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
- 2.- EACH LUMINAIRE IS PHOTOCELL CONTROLLED.
- 3.- MULTI-CONDUCTOR CABLE ASSEMBLY FOR LIGHTING CIRCUITS.
- 4.- ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
- 5.- ALL CONTROLLERS TO HAVE TWO LIGHTING BRANCH BREAKERS.
- 6.- ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED.
- 7.- ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY. UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED.

FILE NAME = D:\68071\sh-t-15-19a-TrafficSignalLighting\BE240.dgn

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	DRAWN	REVISED -
PLOT SCALE = 1:100.001	CHECKED RT	REVISED -
PLOT DATE = 8/15/2014	DATE 03/14/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

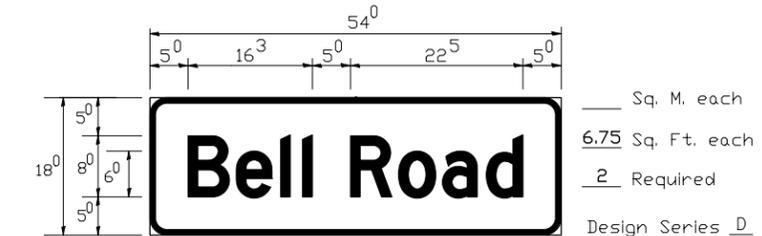
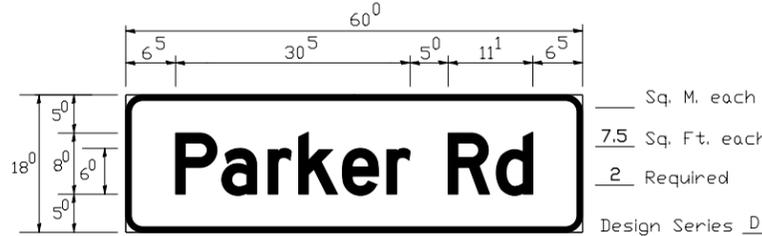
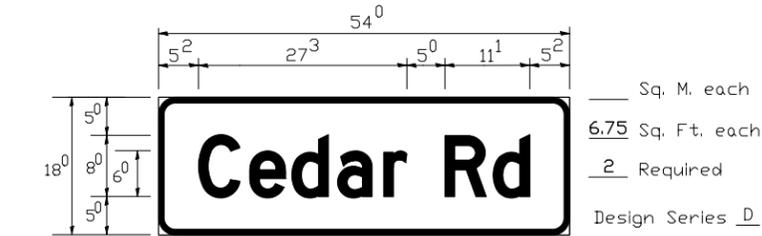
TRAFFIC SIGNAL LIGHTING SCHEMATIC
COMBINATION LIGHTING

SCALE: AS SHOWN SHEET NO. 62 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	694
BE-240			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				

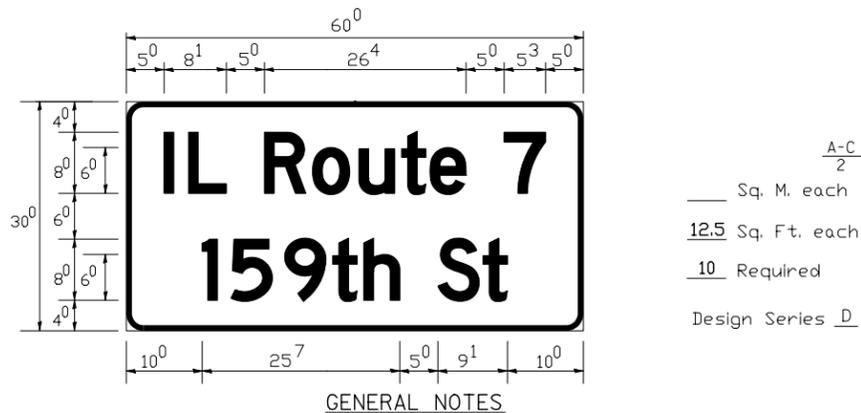
TS-62

PANEL SIGN DESIGN TYPE 1



NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

PANEL SIGN DESIGN TYPE 2



GENERAL NOTES

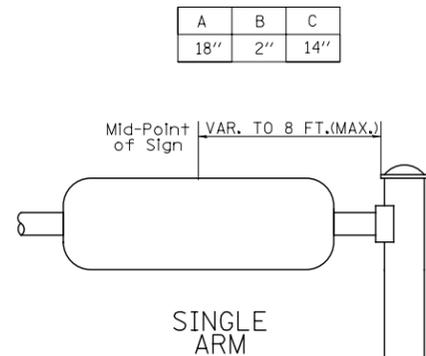
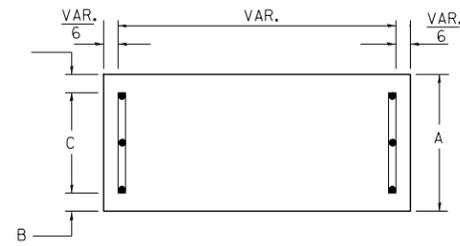
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE 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 HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

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

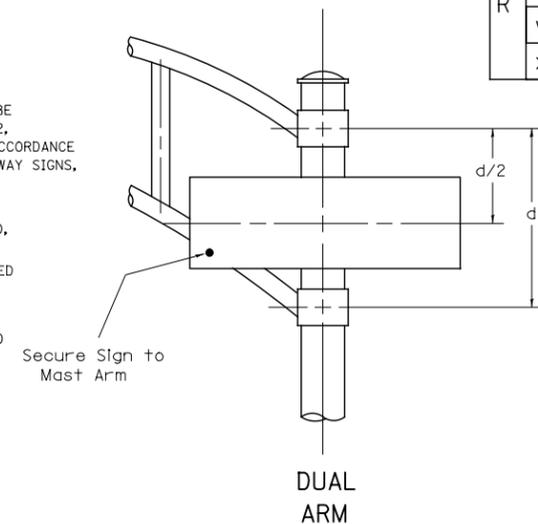
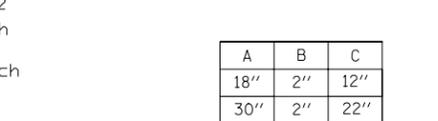
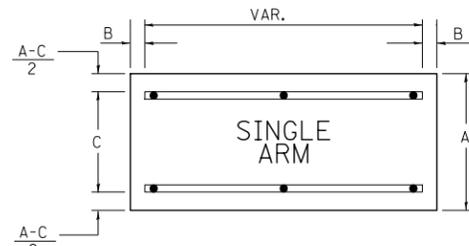
PARTS LISTING:
 SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
 SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
 SELF TAPPING WITH NEOPRENE WASHER
 BRACKETS PART #HPN034 (UNIVERSAL)
 CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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

SUPPORTING CHANNELS



SUPPORTING CHANNELS



SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

Upper Case To Lower Case
Spacing Chart 8-6 Inch Series "C & D"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D O Q R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15
F	05	06	14	15	06	10	05	06	06	10	06	10	06	10	11	12
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21
K L	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14
P	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14
Y	05	06	14	15	06	10	05	06	05	07	05	06	06	10	11	12
Z	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21

Lower Case To Lower Case
Spacing Chart 6 Inch Series "C & D"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
ad h g i j	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
l m n q u																
b f k o p s	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
c e	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
r	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10
t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
v y	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12
w	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14
x	12	14	16	17	11	12	05	06	11	12	11	12	11	12	12	14

Number To Number
Spacing Chart 8 Inch Series "C & D"

SERIES	SECOND NUMBER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	16	17	16	17	14	15	12	14	14	15	14	15	16	17	12	14	16	17	16	17
1	20	21	20	21	20	21	16	17	14	15	20	21	20	21	14	15	20	21	20	21
2 3 4	14	15	14	15	14	15	12	14	12	14	14	15	14	15	11	12	16	17	14	15
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	15	12	14	14	15	14	15	11	12	14	15	14	15
7	12	14	12	14	14	15	12	15	05	06	12	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	15	12	14	14	15	16	17	12	14	16	17	14	15

EXAMPLE, 2³ DENOTES 3/8

UPPER AND LOWER CASE LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS				8 INCH UPPER CASE LETTERS				LETTERS	6 INCH LOWER CASE LETTERS	
	SERIES		SERIES		SERIES		SERIES			C	D
	C	D	C	D	C	D	C	D			
A	3 ⁶	5 ⁰	5 ⁰	6 ⁵	a	3 ⁵	4 ²				
B	3 ²	4 ⁰	4 ³	5 ³	b	3 ⁵	4 ²				
C	3 ²	4 ⁰	4 ³	5 ³	c	3 ⁵	4 ¹				
D	3 ²	4 ⁰	4 ³	5 ³	d	3 ⁵	4 ²				
E	3 ⁰	3 ⁵	4 ⁰	4 ⁷	e	3 ⁵	4 ²				
F	3 ⁰	3 ⁵	4 ⁰	4 ⁷	f	2 ³	2 ⁶				
G	3 ²	4 ⁰	4 ³	5 ³	g	3 ⁵	4 ²				
H	3 ²	4 ⁰	4 ³	5 ³	h	3 ⁵	4 ²				
I	0 ⁷	0 ⁷	1 ¹	1 ²	i	1 ¹	1 ¹				
J	3 ⁰	3 ⁶	4 ⁰	5 ⁰	j	2 ⁰	2 ²				
K	3 ²	4 ¹	4 ³	5 ⁴	k	3 ⁵	4 ²				
L	3 ⁰	3 ⁵	4 ⁰	4 ⁷	l	1 ¹	1 ¹				
M	3 ⁷	4 ⁵	5 ¹	6 ¹	m	6 ⁰	7 ⁰				
N	3 ²	4 ⁰	4 ³	5 ³	n	3 ⁵	4 ²				
O	3 ⁴	4 ²	4 ⁵	5 ⁵	o	3 ⁶	4 ³				
P	3 ²	4 ⁰	4 ³	5 ³	p	3 ⁵	4 ²				
Q	3 ⁴	4 ²	4 ⁵	5 ⁵	q	3 ⁵	4 ²				
R	3 ²	4 ⁰	4 ³	5 ³	r	2 ⁶	3 ²				
S	3 ²	4 ⁰	4 ³	5 ³	s	3 ⁶	4 ²				
T	3 ⁰	3 ⁵	4 ⁰	4 ⁷	t	2 ⁷	3 ²				
U	3 ²	4 ⁰	4 ³	5 ³	u	3 ⁵	4 ²				
V	3 ⁵	4 ⁴	4 ⁷	6 ⁰	v	4 ²	4 ⁷				
W	4 ⁴	5 ²	6 ⁰	7 ⁰	w	5 ⁵	6 ⁴				
X	3 ⁴	4 ⁰	4 ⁵	5 ³	x	4 ⁴	5 ¹				
Y	3 ⁶	5 ⁰	5 ⁰	6 ⁶	y	4 ⁶	5 ³				
Z	3 ²	4 ⁰	4 ³	5 ³	z	3 ⁶	4 ³				

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	1 ²	1 ⁴	1 ⁵	2 ⁰
2	3 ²	4 ⁰	4 ³	5 ³
3	3 ²	4 ⁰	4 ³	5 ³
4	3 ⁵	4 ³	4 ⁷	5 ⁷
5	3 ²	4 ⁰	4 ³	5 ³
6	3 ²	4 ⁰	4 ³	5 ³
7	3 ²	4 ⁰	4 ³	5 ³
8	3 ²	4 ⁰	4 ³	5 ³
9	3 ²	4 ⁰	4 ³	5 ³
0	3 ⁴	4 ²	4 ⁵	5 ⁵

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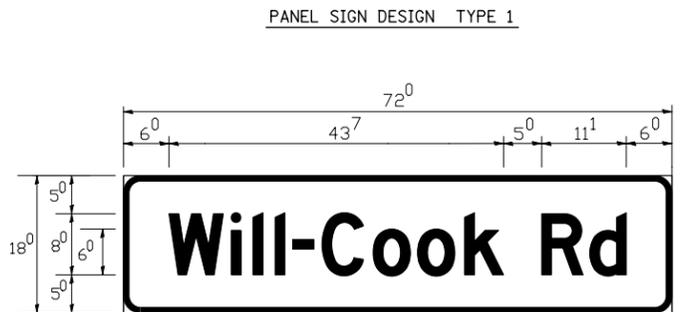
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	DRAWN BCK	REVISED -
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PLOT DATE = 8/15/2014	DATE 03-15-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE	
MAST ARM MOUNTED STREET NAME SIGNS	
SCALE: NONE	SHEET NO. 63 OF 64 SHEETS STA. TO STA.

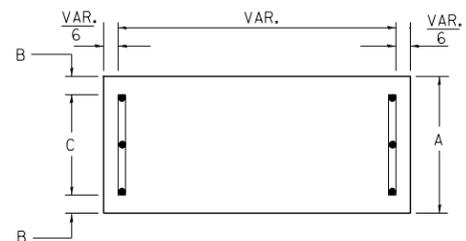
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TS-02		CONTRACT NO. 60L71		
ILLINOIS FED. AID PROJECT				

TS-63

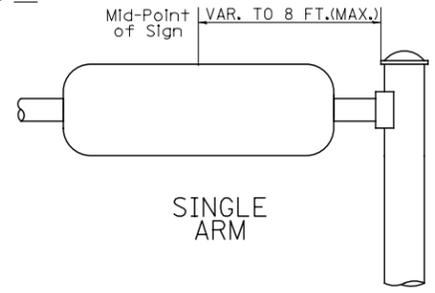


9.0 Sq. Ft. each
 2 Required
 Design Series D

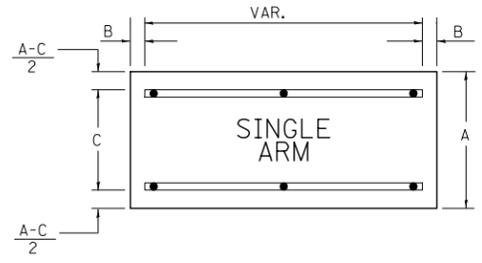
SUPPORTING CHANNELS



A	B	C
18"	2"	14"



SUPPORTING CHANNELS

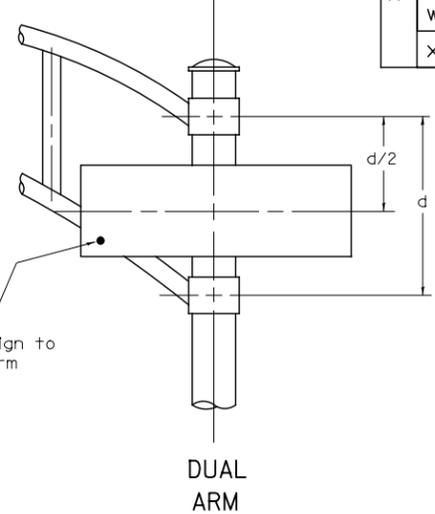
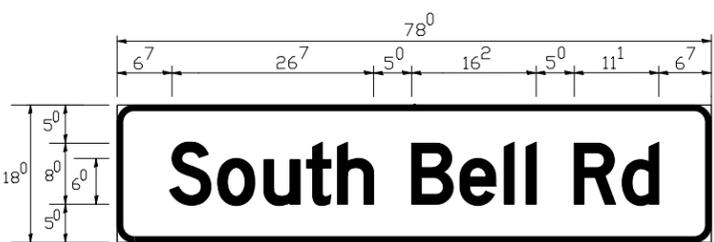


A	B	C
18"	2"	12"
30"	2"	22"

9.75 Sq. Ft. each
 2 Required
 Design Series D

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

PANEL SIGN DESIGN TYPE 2



SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

Upper Case To Lower Case
 Spacing Chart 8-6 Inch Series "C & D"

FIRST LETTER	SECOND LETTER																	
	a c d e		b h i k l		f w		j		s t		v y		x		z			
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D		
A W X	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ¹	1 ⁴	0 ⁶	1 ⁰	1 ¹	1 ²	1 ²	1 ⁴		
B	1 ⁴	1 ⁵	2 ⁰	2 ¹	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁶	1 ⁷		
C E G	1 ⁴	1 ⁵	2 ⁰	2 ¹	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵		
D O Q R	1 ⁴	1 ⁵	2 ⁰	2 ¹	1 ⁴	1 ⁵	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵		
F	0 ⁵	0 ⁶	1 ⁴	1 ⁵	0 ⁶	1 ⁰	0 ⁵	0 ⁶	0 ⁶	1 ⁰	0 ⁶	1 ⁰	0 ⁶	1 ⁰	1 ¹	1 ²		
H I M N	2 ⁰	2 ¹	2 ²	2 ⁴	2 ⁰	2 ¹	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ⁶	1 ⁷	2 ⁰	2 ¹	2 ⁰	2 ¹		
J U	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁶	1 ⁷	2 ⁰	2 ¹		
K L	1 ¹	1 ²	1 ⁶	1 ⁷	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴		
P	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁴	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴	1 ²	1 ⁴		
S	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ²	1 ⁴								
T	1 ¹	1 ²	1 ⁶	1 ⁷	0 ⁶	1 ⁰	0 ⁶	1 ⁰	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴		
V	0 ⁶	1 ⁰	1 ⁴	1 ⁵	1 ¹	1 ²	0 ⁶	1 ⁰	1 ²	1 ⁴								
Y	0 ⁵	0 ⁶	1 ⁴	1 ⁵	0 ⁶	1 ⁰	0 ⁵	0 ⁶	0 ⁵	0 ⁷	0 ⁵	0 ⁶	0 ⁶	1 ⁰	1 ¹	1 ²		
Z	1 ⁶	1 ⁷	2 ²	2 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁶	1 ⁷	2 ⁰	2 ¹		

EXAMPLE, 2³ DENOTES 3/8

UPPER AND LOWER CASE LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS				8 INCH UPPER CASE LETTERS				LETTERS	6 INCH LOWER CASE LETTERS	
	SERIES		SERIES		SERIES		SERIES			C	D
	C	D	C	D	C	D	C	D			
A	3 ⁶	5 ⁰	5 ⁰	6 ⁵	a	3 ⁵	4 ²				
B	3 ²	4 ⁰	4 ³	5 ³	b	3 ⁵	4 ²				
C	3 ²	4 ⁰	4 ³	5 ³	c	3 ⁵	4 ¹				
D	3 ²	4 ⁰	4 ³	5 ³	d	3 ⁵	4 ²				
E	3 ⁰	3 ⁵	4 ⁰	4 ⁷	e	3 ⁵	4 ²				
F	3 ⁰	3 ⁵	4 ⁰	4 ⁷	f	2 ³	2 ⁶				
G	3 ²	4 ⁰	4 ³	5 ³	g	3 ⁵	4 ²				
H	3 ²	4 ⁰	4 ³	5 ³	h	3 ⁵	4 ²				
I	0 ⁷	0 ⁷	1 ¹	1 ²	i	1 ¹	1 ¹				
J	3 ⁰	3 ⁶	4 ⁰	5 ⁰	j	2 ⁰	2 ²				
K	3 ²	4 ¹	4 ³	5 ⁴	k	3 ⁵	4 ²				
L	3 ⁰	3 ⁵	4 ⁰	4 ⁷	l	1 ¹	1 ¹				
M	3 ⁷	4 ⁵	5 ¹	6 ¹	m	6 ⁰	7 ⁰				
N	3 ²	4 ⁰	4 ³	5 ³	n	3 ⁵	4 ²				
O	3 ⁴	4 ²	4 ⁵	5 ⁵	o	3 ⁶	4 ³				
P	3 ²	4 ⁰	4 ³	5 ³	p	3 ⁵	4 ²				
Q	3 ⁴	4 ²	4 ⁵	5 ⁵	q	3 ⁵	4 ²				
R	3 ²	4 ⁰	4 ³	5 ³	r	2 ⁶	3 ²				
S	3 ²	4 ⁰	4 ³	5 ³	s	3 ⁶	4 ²				
T	3 ⁰	3 ⁵	4 ⁰	4 ⁷	t	2 ⁷	3 ²				
U	3 ²	4 ⁰	4 ³	5 ³	u	3 ⁵	4 ²				
V	3 ⁵	4 ⁴	4 ⁷	6 ⁰	v	4 ²	4 ⁷				
W	4 ⁴	5 ²	6 ⁰	7 ⁰	w	5 ⁵	6 ⁴				
X	3 ⁴	4 ⁰	4 ⁵	5 ³	x	4 ⁴	5 ¹				
Y	3 ⁶	5 ⁰	5 ⁰	6 ⁶	y	4 ⁶	5 ³				
Z	3 ²	4 ⁰	4 ³	5 ³	z	3 ⁶	4 ³				

Lower Case To Lower Case
 Spacing Chart 6 Inch Series "C & D"

FIRST LETTER	SECOND LETTER																	
	a c d e		b h i k l		f w		j		s t		v y		x		z			
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D		
a d h g i j	1 ⁶	1 ⁷	2 ²	2 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ⁶	1 ⁷		
l m n q u	1 ⁶	1 ⁷	2 ²	2 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ⁶	1 ⁷		
b f k o p s	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴	1 ²	1 ⁴		
c e	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ²	1 ⁴								
r	0 ⁶	1 ⁰	1 ²	1 ⁴	0 ⁶	1 ⁰	0 ³	0 ³	0 ⁵	0 ⁶	0 ⁵	0 ⁶	0 ⁶	1 ⁰	0 ⁶	1 ⁰		
t z	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴	1 ²	1 ⁴		
v y	1 ¹	1 ²	1 ⁴	1 ⁵	1 ¹	1 ²	0 ⁵	0 ⁶	0 ⁶	1 ⁰	0 ⁶	1 ⁰	1 ¹	1 ²	1 ¹	1 ²		
w	1 ¹	1 ²	1 ⁴	1 ⁵	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴		
x	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴		

Number To Number
 Spacing Chart 8 Inch Series "C & D"

FIRST NUMBER	SECOND NUMBER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ⁶	1 ⁷
1	2 ⁰	2 ¹	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁶	1 ⁷	1 ⁴	1 ⁵	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁴	1 ⁵	2 ⁰	2 ¹	2 ⁰	2 ¹
2 3 4	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁶	1 ⁷	1 ⁴	1 ⁵
5	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ¹	1 ²	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ⁴	1 ⁵
6	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ²	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ⁴	1 ⁵
7	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁵	0 ⁵	0 ⁶	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ²	1 ⁴
8	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ²	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ⁴	1 ⁵

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	1 ²	1 ⁴	1 ⁵	2 ⁰
2	3 ²	4 ⁰	4 ³	5 ³
3	3 ²	4 ⁰	4 ³	5 ³
4	3 ⁵	4 ³	4 ⁷	5 ⁷
5	3 ²	4 ⁰	4 ³	5 ³
6	3 ²	4 ⁰	4 ³	5 ³
7	3 ²	4 ⁰	4 ³	5 ³
8	3 ²	4 ⁰		

EROSION CONTROL GENERAL NOTES

1. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT POLLUTION OF STORM WATER AND SHALL FOLLOW IEPA & IDOT CONSTRUCTION MEMORANDUM NO. 02-60.
3. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
4. THE MAINTENANCE AND REPAIR OR REPLACEMENT OF EROSION CONTROL ITEMS, WHEN DIRECTED BY THE ENGINEER, WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED PAY ITEMS.
5. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. MUD AND SEDIMENT DEPOSITS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH WORK DAY BY SHOVELING AND/OR SWEEPING.
6. INLET FILTERS SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES.
7. TEMPORARY EROSION CONTROL SEEDING MIXTURE WILL DEPEND ON THE TIME OF YEAR SEED IS TO BE APPLIED AND SHALL BE IN ACCORDANCE WITH ARTICLE 1081.15(G) OF THE STANDARD SPECIFICATIONS. STABILIZATION OF ALL AREAS DISTURBED BY CONSTRUCTION SHALL COMMENCE WITHIN 1 DAY AND BE COMPLETE WITHIN 14 DAYS FOR ANY PORTION OF THE SITE THAT WILL BE IDLE FOR MORE THAN 14 DAYS. IF THAT PORTION OF THE SITE WILL BECOME ACTIVE AGAIN AFTER 14 DAYS, TEMPORARY STABILIZATION MEASURES CAN BE USED.
8. DUST CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 107.36 OF THE STANDARD SPECIFICATIONS.

9. THE CONTRACTOR SHALL ATTACH A MINIMUM OF 2 ALUMINUM SIGNS WITH THE FOLLOWING TEXT: PROTECTED WETLAND - NO INTRUSION. THE SIGN(S) SHALL BE ATTACHED TO THE TEMPORARY FENCE BY A METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT LANDSCAPE ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171. WHEN WORK HAS BEEN COMPLETED, UNDAMAGED OR REPLACED SIGNS SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY FENCE.

10. WHENEVER DURING CONSTRUCTION OPERATIONS, LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC., SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THE CONTRACTORS FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIAL CREATED AS A RESULT THEREOF.
11. BROADCASTING OF THE SEED BY MACHINE, HAND METHODS, HYDRAULIC SEEDING OR OTHER METHODS APPROVED BY THE ENGINEER WILL BE ALLOWED FOR TEMPORARY EROSION CONTROL SEEDING.
12. TOPSOIL AND FERTILIZER NUTRIENTS ARE NOT REQUIRED FOR TEMPORARY EROSION CONTROL SEEDING.
13. SEED BED PREPARATION WILL NOT BE REQUIRED FOR TEMPORARY EROSION CONTROL SEEDING IF THE SOIL IS IN A LOOSE CONDITION. LIGHT DISKING SHALL BE DONE IF THE SOIL IS HARD PACKED OR CAKED.
14. ALL PERIMETER EROSION BARRIER AND TEMPORARY FENCE SHALL BE INSTALLED WITHIN THE TEMPORARY EASEMENT, PROPOSED RIGHT-OF-WAY OR EXISTING RIGHT-OF-WAY.
15. TEMPORARY EROSION CONTROL BLANKET SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AFTER TEMPORARY EROSION CONTROL SEEDING HAS BEEN COMPLETED ON ALL AREAS WITH SLOPES OF 1:3 (V:H) OR STEEPER, AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

16. THE CONSTRUCTION LIMITS WILL BE STAKED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGED CONSTRUCTION LIMITS.

17. ALL EXISTING STRUCTURES OR PIPES NOT SHOWN ON EROSION CONTROL PLANS SHALL BE REMOVED (OR PLUGGED UNTIL REMOVAL IS POSSIBLE DURING THE CONSTRUCTION SO THAT NO SEDIMENT CAN ENTER THE DRAINAGE SYSTEM. THIS SHALL BE CONSIDERED IN THE COST OF THE REMOVAL OF EXISTING STRUCTURES.C

18. ANY REQUIRED ADJUSTMENT AND/OR RECONSTRUCTION OF THE PROPOSED STRUCTURE TO FINAL RIM ELEVATION SHALL NOT BE PAID FOR SEPERATELY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED STRUCTURE.

19. ALL TEMPORARY CONNECTIONS FOR TEMPORARY PIPE CULVERTS INTO EXISTING/PROPOSED STRUCTURES/PIPES SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE FOR PIPE CULVERT OF THE CLASS, TYPE, SIZE (TEMPORARY).

20. ALL RIM AND INVERTS FOR TEMPORARY DRAINAGE STRUCTURES ARE ESTIMATES AND NEED TO BE FIELD VERIFIED, NOTIFY THE ENGINEER OF ANY DISCREPENCIES PRIOR TO INSTALLATION. NO EXTRA COMPENSATION WILL BE PROVIDED FOR ANY DISCREPENCIES DETERMINED IN THE FIELD.

21. SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND LIVE STREAMS OR WETLANDS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE, AND STABILIZED IN ACCORDANCE WITH MULCH METHOD 2 IMMEDIATELY WHEN THE TOPSOIL SHALL BE UNDISTURBED FOR 14 DAYS, AND STABILIZATION SHALL BE COMPLETED WITHIN 14 DAYS. THE CONTRACTOR WILL PROVIDE AN ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCK PILE.

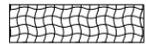
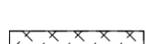
22. SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING MEASURE PRIOR TO RELEASE FROM THE SITE.

23. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW OR WASTE/USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) and USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR WILL NEED TO SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

24. ALL EROSION AND SEDIMENT CONTROL (ESC) MEASURES SHOULD BE CHECKED WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED AFTER EACH SIGNIFICANT SNOWFALL.

25. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

EROSION CONTROL LEGEND

	TEMPORARY EROSION CONTROL SEEDING AND MULCH, METHOD 2		PERIMETER EROSION BARRIER
	TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET		PERIMETER EROSION BARRIER INSTALLED IN PREVIOUS STAGE
	HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL		INLET FILTERS
	PERMANENT SEEDING (SEE LANDSCAPING PLANS)		INLET FILTERS INSTALLED IN PREVIOUS STAGE
	EROSION CONTROL INSTALLED IN A PREVIOUS STAGE		TEMPORARY DITCH CHECKS
	TEMPORARY PAVEMENT		TEMPORARY DITCH CHECKS INSTALLED IN PREVIOUS STAGE
	TEMPORARY PAVEMENT INSTALLED IN A PREVIOUS STAGE		STORM DRAIN INLET PROTECTION - SEE DETAIL
			STORM DRAIN INLET PROTECTION INSTALLED IN PREVIOUS STAGE
			SEDIMENT TRAP
			FLOW DIRECTION
			PROPOSED STORM SEWER
			PROPOSED STORM SEWER INSTALLED IN PREVIOUS STAGE
			TEMPORARY PIPE CULVERT
			PERMANENT DRAINAGE STRUCTURE NUMBER

WETLAND / WOUS LEGEND

	WETLAND (JURISDICTIONAL)
	WATERS OF THE U.S. (WOUS)
	ISOLATED WETLAND LIMITS

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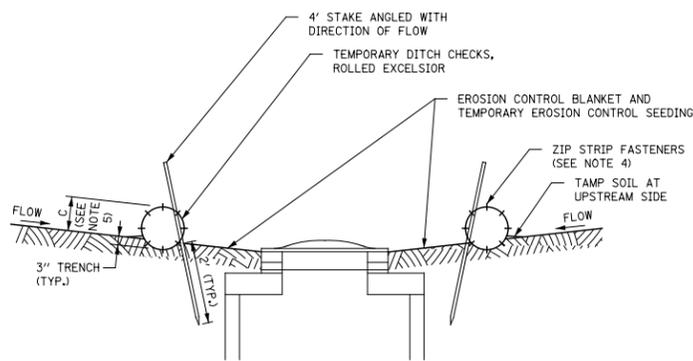
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL
LEGEND AND GENERAL NOTES**

SCALE: AS SHOWN SHEET NO. 1 OF 1 SHEETS STA. TO STA.

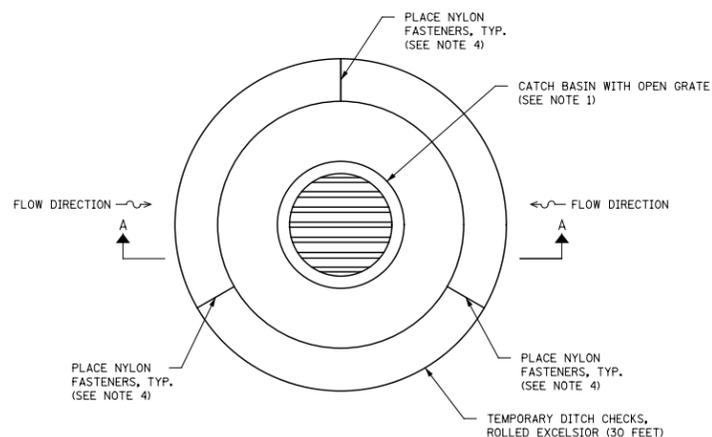
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				



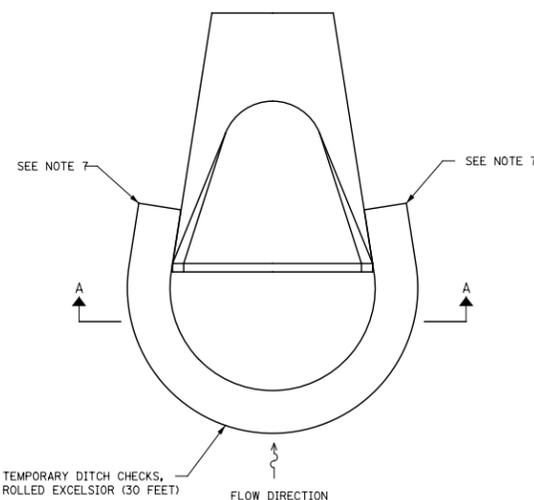
SECTION A - A

NOTES:

1. INLET FILTER IS TO BE PROVIDED FOR ALL OPEN-GRATED DRAINAGE STRUCTURES.
2. ROLLED EXCELSIOR LOG SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 3" AND SOIL SHALL BE TAMPED AGAINST THE UPSTREAM SIDE TO ASSURE THAT STORM WATER IS FORCED THROUGH THE LOG, RATHER THAN UNDER IT.
3. STAKES SHALL BE 4' LONG, DRIVEN AT A SPACING OF 2' ON CENTER, 2" INTO THE GROUND. STAKES SHALL BE ENTWINED WITH THE MESH COVERING OF THE ROLL ON THE DOWNSTREAM SIDE AND ANGLED IN THE DIRECTION OF FLOW. WOOD STAKES TO BE A MINIMUM OF 1" SQUARE. METAL STAKES TO BE A MINIMUM OF 1" DIAMETER.
4. WHEN MORE THAN ONE LOG IS REQUIRED TO SURROUND THE INLET, BUTT LOGS TIGHTLY TOGETHER END TO END AND FASTEN TOGETHER WITH A MINIMUM OF EIGHT EQUALLY SPACED ZIP STRIP NYLON FASTENERS.
5. ROLLED EXCELSIOR LOG DITCH CHECKS ARE SUPPLIED IN STANDARD 10' LENGTHS AND SHOULD NOT BE CUT.
6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT SHALL BE REMOVED WHEN IT REACHES 50% OF ROLL HEIGHT. WHEN EXCELSIOR ROLL HEIGHT BECOMES LESS THAN 10", IT SHALL BE REPLACED.
7. ROLLED EXCELSIOR LOG DITCH CHECKS SHALL BE SUFFICIENTLY LONG ENOUGH THAT THE TOP OF THE DEVICE IN THE MIDDLE OF THE DITCH IS 6" LOWER THAN THE BOTTOM OF THE TERMINATING ENDS OF THE DITCH SIDE SLOPES.

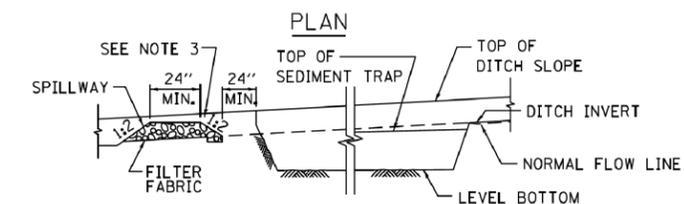
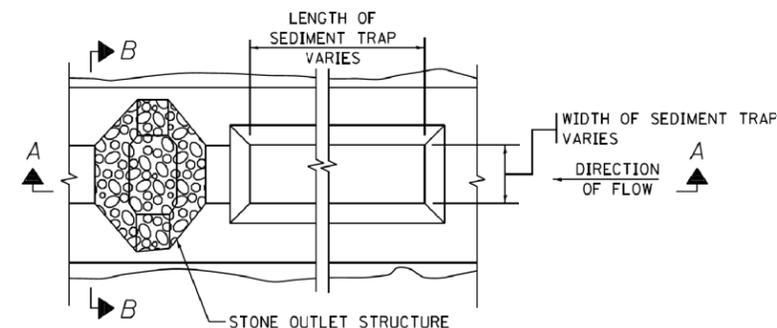


AT CATCH BASINS IN DITCHES OR AT AREA DRAINS

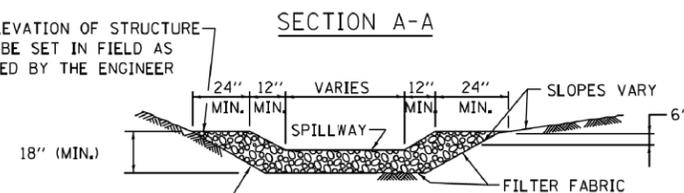


AT CULVERT INLETS

STORM DRAIN INLET PROTECTION DETAIL
SCALE=N.T.S.



TOP ELEVATION OF STRUCTURE SHALL BE SET IN FIELD AS DIRECTED BY THE ENGINEER



CUT SIDE SLOPES IN SEDIMENT TRAP AS STEEP AS SOIL CONDITIONS WILL ALLOW

NOTES:

1. USE IN EXISTING, PROPOSED AND TEMPORARY DITCHES OF ALL TYPES AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
2. THE SEDIMENT TRAP SHALL BE REPLACED DUE TO WASHOUT, DAMAGE FROM CONSTRUCTION TRAFFIC, OR SILT ACCUMULATION. **THE SILT SHALL BE REMOVED WHEN THE TRAP IS 50% FULL.**
3. THIS COST TO PERFORM THIS WORK SHALL BE PAID FOR AS:
 - EARTH EXCAVATION FOR EROSION CONTROL
 - STONE RIPRAP, CLASS A4
 - FILTER FABRIC.
4. UPON COMPLETION OF CONSTRUCTION, ESTABLISHMENT OF FINAL STABILIZATION, AND WHEN DIRECTED BY THE ENGINEER, THE SEDIMENT TRAP SHALL BE REMOVED AND THE DITCH LINE RE-ESTABLISHED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. THE COST TO COMPLETE THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE ITEMS LISTED ABOVE.

SEDIMENT TRAP

TRAP NO.	L (FT)	W (FT)	CAPACITY (CU FT)
1	30	14	1,256
2	82	10	2,440
3	34	10	1,226
4	60	10	1,806

DIMENSION NOTES:

1. ALL DIMENSIONS ARE BASED UPON AN AVERAGE DEPTH OF 30" AND PROVIDING, AS A MINIMUM, 3,600 CUBIC FEET OF STORAGE PER ACRE OF RUNOFF.
2. L AND W ARE MEASURED ALONG THE BOTTOM OF THE TRAP.
3. WHENEVER POSSIBLE, THE MAXIMUM AVERAGE DEPTH OF THE TRAP WILL BE 30".
4. THE MAXIMUM DRAINAGE AREA (INCLUDING OFF-SITE AREA) ALLOWED PER TRAP IS 5 ACRES.

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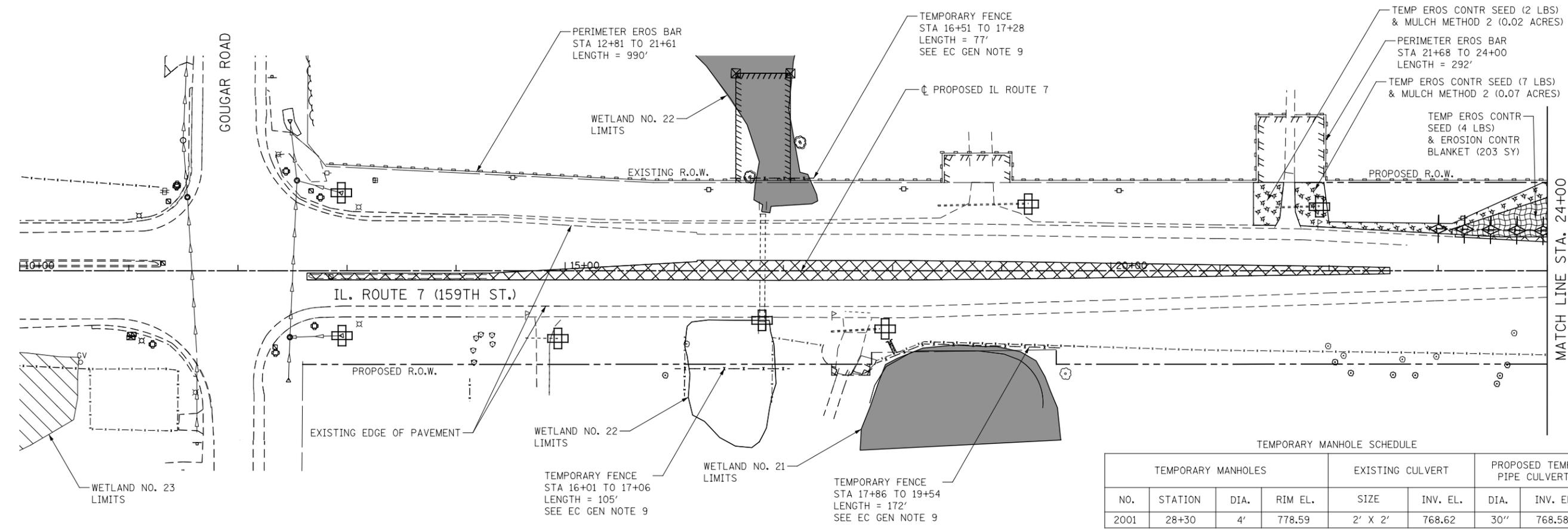
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
DETAILS

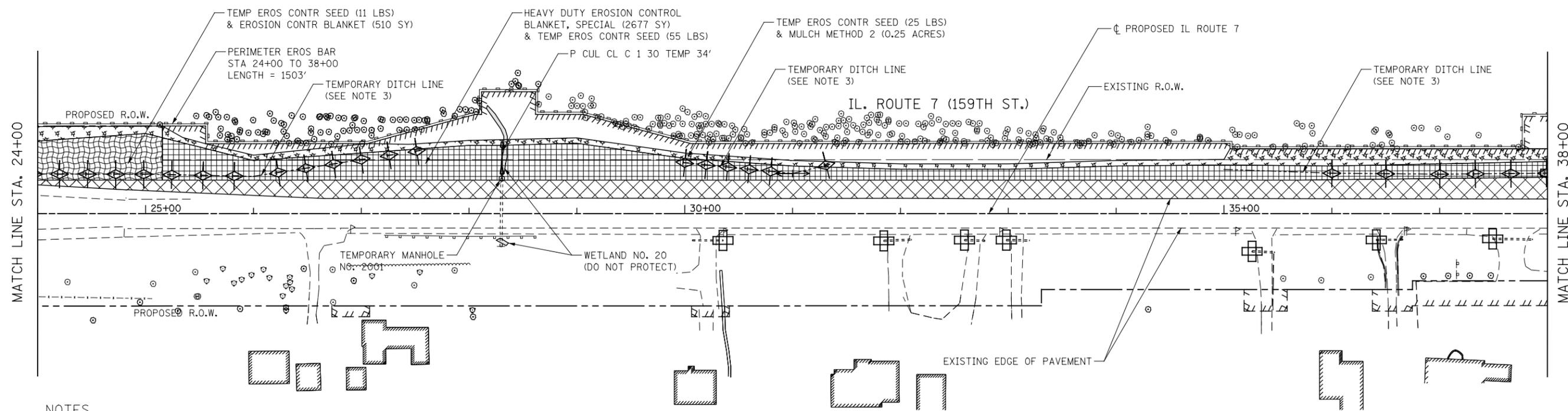
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	698
			CONTRACT NO. 60L71	
ILLINOIS FED. AID PROJECT				



TEMPORARY MANHOLE SCHEDULE

TEMPORARY MANHOLES				EXISTING CULVERT		PROPOSED TEMP. PIPE CULVERT	
NO.	STATION	DIA.	RIM EL.	SIZE	INV. EL.	DIA.	INV. EL.
2001	28+30	4'	778.59	2' X 2'	768.62	30"	768.58



NOTES

- SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
- PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
- SEE PRE-STAGE CROSS SECTIONS FOR GRADING AND TEMPORARY CULVERT ELEVATION INFORMATION.



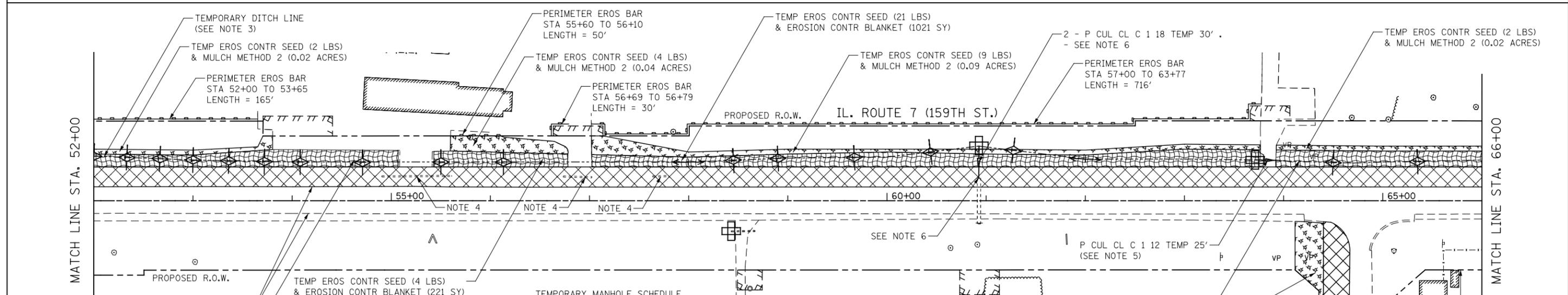
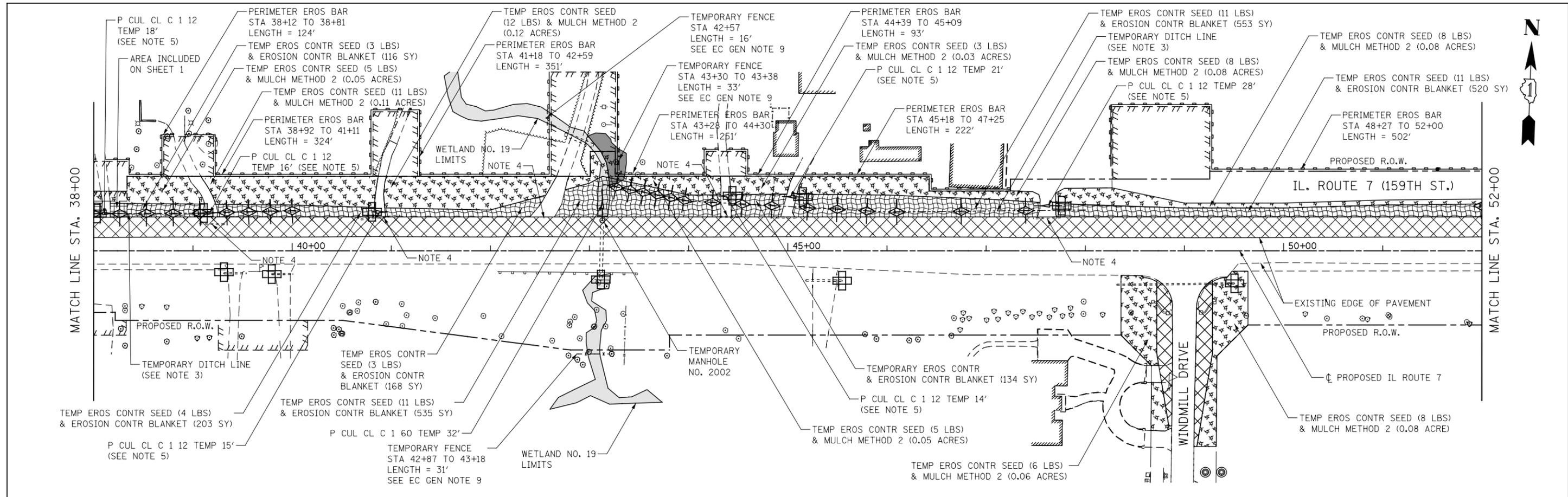
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL - PRE-STAGE 1 ILLINOIS ROUTE 7		
SCALE: AS SHOWN	SHEET NO. 1 OF 14 SHEETS	STA. 10+00 TO STA. 38+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	699
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				



NOTES

- SEE EXISTING/PROPOSED DRAINAGE PLANS FOR STORM SEWER INFORMATION.
- PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO R.O.W., EASEMENT, AND CONSTRUCTION LIMITS AND AS DIRECTED BY THE ENGINEER.
- SEE PRE-STAGE CROSS SECTIONS FOR GRADING AND TEMPORARY CULVERT ELEVATION INFORMATION.
- PER THE CONTRACTOR'S DISCRETION, EXISTING DRIVEWAY CULVERTS THAT ARE COVERED/FILLED DUE TO TEMPORARY GRADING OPERATIONS CAN REMAIN IN PLACE DURING PRE-STAGE. IF LEFT IN PLACE THE CULVERT SHALL BE PLUGGED/FILLED PRIOR TO BEGINNING GRADING OPERATIONS. NO COMPENSATION WILL BE PROVIDED FOR THIS WORK. REMOVAL OF THE CULVERTS CAN TAKE PLACE IN THE CORRESPONDING STAGE ACTIVITY. NO EXISTING DRIVEWAY CULVERT SHALL BE ABANDONED IN PLACE.
- WHEN TEMPORARY OR PERMANENT STORM SEWER IS PLACED BELOW EXISTING PAVEMENT OR TEMPORARY PAVEMENT, THE EXISTING OR TEMPORARY PAVEMENT WITHIN THE LIMITS OF THE TRENCHING OPERATION SHALL BE REMOVED AND REPLACED, AND PAID FOR AS "CLASS D PATCHES, TYPE III 12 INCH (SPECIAL)."



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL - PRE-STAGE 1
ILLINOIS ROUTE 7**

SCALE: AS SHOWN SHEET NO. 2 OF 14 SHEETS STA. 38+00 TO STA. 66+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536-R-1	WILL	1232	700
CONTRACT NO. 60L71				
ILLINOIS FED. AID PROJECT				