

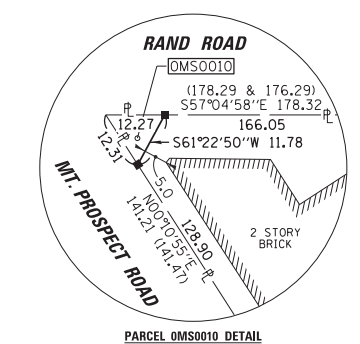
**COORDINATE TABLE**  
ILLINOIS STATE PLANE COORDINATE SYSTEM,  
EAST ZONE, NAD 83 (2011 ADJUSTMENT)

PT#	STATION	OFFSET	NORTHING	EASTING
37	243+02.03	50.00 LT	1967489.42	1095635.71
38	243+00.07	55.50 LT	1967494.87	1095637.77
39	245+58.41	55.50 LT	1967345.56	1095840.07
40	245+92.37	55.50 LT	1967327.12	1095868.55
41	245+92.37	65.50 LT	1967335.52	1095873.99
42	245+98.37	65.50 LT	1967332.26	1095879.02
43	245+98.37	50.00 LT	1967319.25	1095870.60
44	245+60.28	50.00 LT	1967339.94	1095838.63
45	242+98.28	60.50 LT	1967499.82	1095639.65

PART OF THE SOUTHEAST QUARTER OF SECTION 34, TWP. 42 N., R. 11 E. OF THE 3RD P.M. IN COOK COUNTY, ILLINOIS.  
PART OF THE SOUTHWEST QUARTER OF SECTION 35, TWP. 42 N., R. 11 E. OF THE 3RD P.M. IN COOK COUNTY, ILLINOIS.  
PART OF THE NORTHWEST QUARTER OF SECTION 7, TWP. 41 N., R. 12 E. OF THE 3RD P.M. IN COOK COUNTY, ILLINOIS.

PT#	STATION	OFFSET	NORTHING	EASTING
46	245+60.28	60.50 LT	1967348.76	1095844.34
47	245+89.87	60.50 LT	1967339.68	1095869.17
48	245+89.87	74.50 LT	1967344.43	1095876.78
49	245+98.37	74.50 LT	1967339.81	1095883.91
50	247+18.37	50.00 LT	1967254.03	1095971.34
51	247+18.37	62.50 LT	1967264.53	1095978.13
52	247+24.18	61.00 LT	1967260.11	1095982.20

PT#	STATION	OFFSET	NORTHING	EASTING
60	247+50.37	70.00 LT	1967253.43	1096009.07
61	247+50.37	64.00 LT	1967248.40	1096005.81
62	248+84.37	64.00 LT	1967175.58	1096118.29
63	248+84.37	58.50 LT	1967170.96	1096115.30
64	250+74.97	58.50 LT	1967067.38	1096275.31
65	248+77.18	58.50 LT	1967174.87	1096109.27
66	251+31.97	58.50 LT	1967036.41	1096323.16
67	251+71.51	83.92 LT	1967036.26	1096370.16
68	251+76.92	75.50 LT	1967026.26	1096370.13
69	251+37.24	50.00 LT	1967026.41	1096322.97
70	247+18.37	70.00 LT	1967270.82	1095982.20



**LEGEND**

SECTION CORNER 9 10 16 15 QUARTER CORNER 16 15

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

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

STATE OF ILLINOIS )  
COUNTY OF COOK )

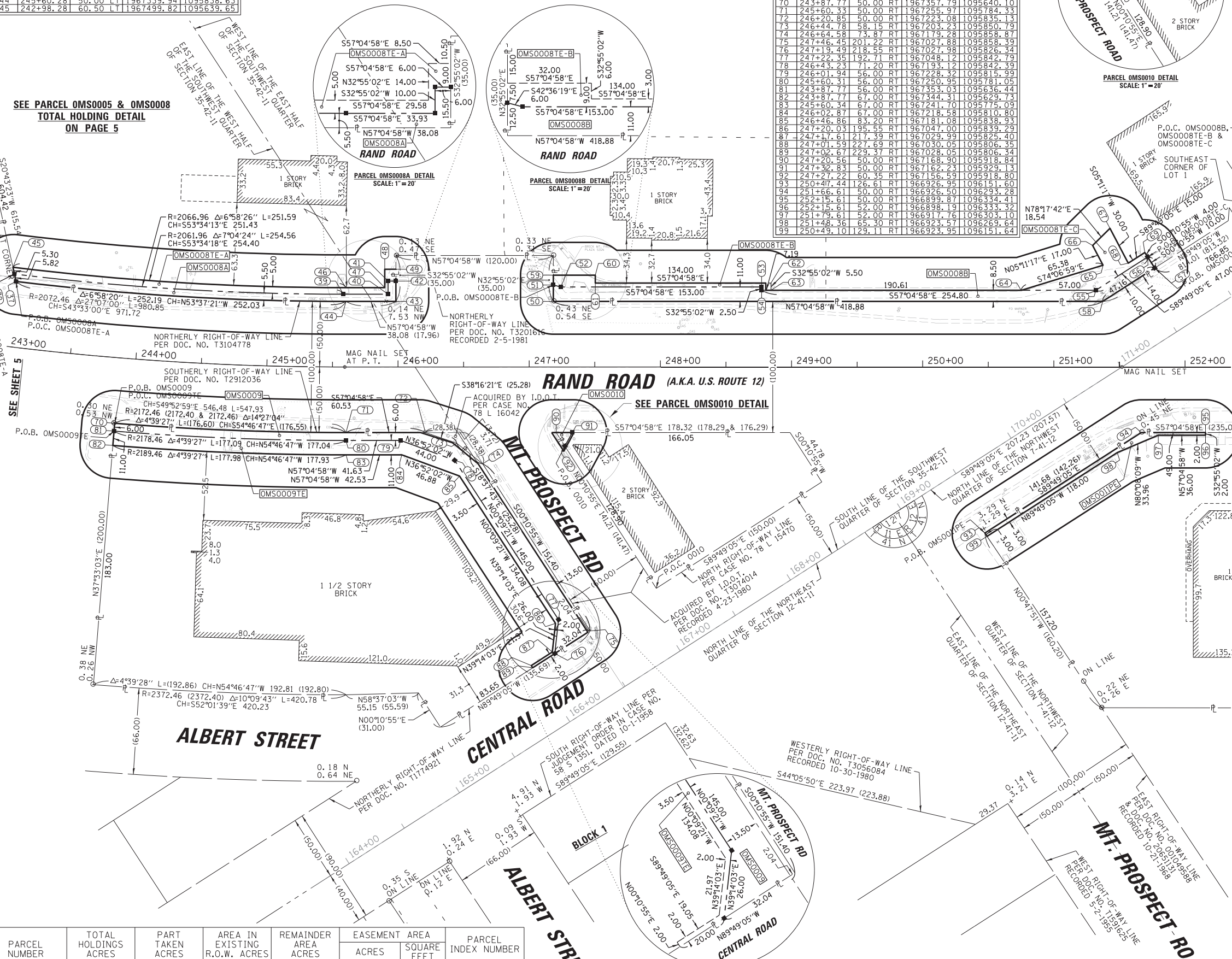
THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, WE, CHRISTOPHER B. BURKE ENGINEERING, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001175, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREIN IN SECTION 34 & 35, TOWNSHIP 42 NORTH, RANGE 11 EAST & SECTION 7, TOWNSHIP 41 NORTH, RANGE 12 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 ROSEMONT, ILLINOIS THIS \_\_\_ DAY OF \_\_\_ 20\_\_ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3240  
LICENSE EXPIRATION DATE: 11-30-2022

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

NOTE:  
ALL DIMENSION ARE MEASURED UNLESS OTHERWISE SPECIFIED  
BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".  
ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99996302.  
AREAS SHOWN ON THIS PLAT ARE "GROUND"



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
SEE PARCEL DETAILS ON PAGE 7							

**CB** CHRISTOPHER B. BURKE ENGINEERING, LTD.  
9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

Contract No. 61H44

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
RAND ROAD

LIMITS: BUSINESS CENTER DR TO ALBANY LN  
SECTION: 17-00166-00-CH COUNTY: COOK  
STA. 243+02.03 TO STA. 252+35.00 JOB NO.: R-90-014-20  
SCALE: 1"= 40' SHEET 101 OF 264 SHEETS

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

PART OF THE SOUTHWEST QUARTER OF SECTION 35, TWP. 42 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.  
PART OF THE NORTHWEST QUARTER OF SECTION 7, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

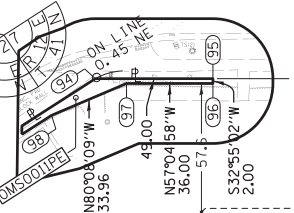
LEGEND

- SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING
IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET
STAKING OF PROPOSED RIGHT OF WAY.
PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135
RIGHT OF WAY STAKING PROPOSED TO BE SET

COORDINATE TABLE
ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2007 ADJUSTMENT)

SEE PARCEL OMS0005 & OMS0008 TOTAL HOLDING DETAIL ON PAGE 5

BUILDING TABLE
B01 48.3 B12 52.5
B02 1.0 B13 1.0
B03 11.9 B14 4.1
B04 3.7 B15 8.7
B05 0.9 B16 1.0
B06 23.9 B17 21.8
B07 1.0 B18 1.0
B08 3.6 B19 10.0
B09 13.3 B20 11.8
B10 6.0 B21 1.0
B11 1.1



NOTE:
ALL DIMENSION ARE MEASURED UNLESS OTHERWISE SPECIFIED
BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND".
AREAS SHOWN ON THIS PLAT ARE "GROUND"

PARCEL DETAILS FROM SHEET 6

Table with 7 columns: PARCEL NUMBER, TOTAL HOLDINGS ACRES, PART TAKEN ACRES, AREA IN EXISTING R.O.W. ACRES, REMAINDER AREA ACRES, EASEMENT AREA (ACRES, SQUARE FEET), PARCEL INDEX NUMBER

Table with 7 columns: PARCEL NUMBER, TOTAL HOLDINGS ACRES, PART TAKEN ACRES, AREA IN EXISTING R.O.W. ACRES, REMAINDER AREA ACRES, EASEMENT AREA (ACRES, SQUARE FEET), PARCEL INDEX NUMBER

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500 Contract No. 61H44

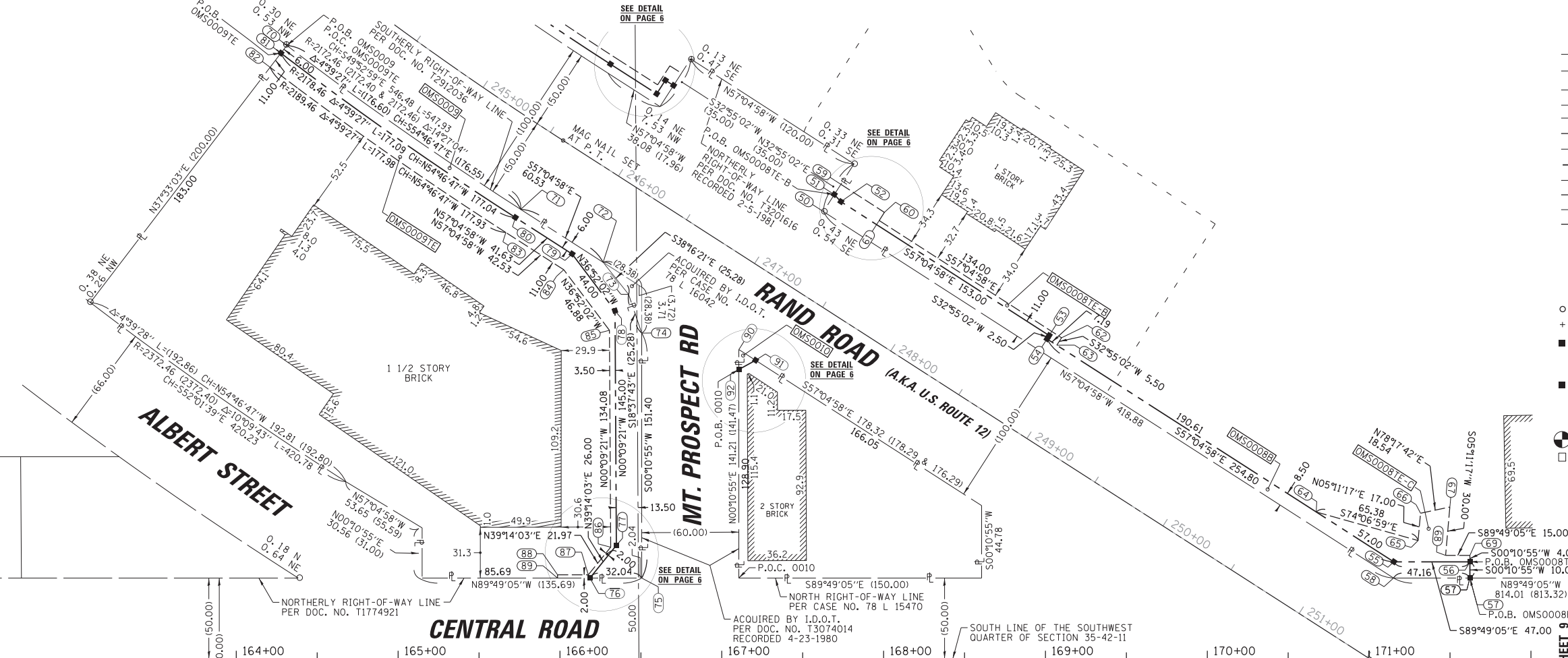
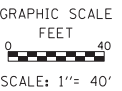
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
RAND ROAD
LIMITS: BUSINESS CENTER DR TO ALBANY LN
SECTION: 17-00166-00-CH COUNTY: COOK
STA. 252+50.00 TO STA. 262+80.44 JOB NO.: R-90-014-20
SCALE: 1" = 40' SHEET 102 OF 264 SHEETS

REVISION DATE: 02-24-2022 REVISION MADE BY: AJK

PART OF THE SOUTHEAST QUARTER OF SECTION 34, TWP. 42 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.  
 PART OF THE SOUTHWEST QUARTER OF SECTION 35, TWP. 42 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.  
 PART OF THE NORTHWEST QUARTER OF SECTION 7, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

**LEGEND**

SECTION CORNER: 9 10 15 16  
 QUARTER SECTION CORNER: 16 15  
 SECTION / QUARTER SECTION LINE  
 PLATTED LOT LINES  
 PROPERTY (DEED) LINE  
 APPARENT PROPERTY LINE  
 EXISTING CENTERLINE  
 PROPOSED CENTERLINE  
 EXISTING RIGHT OF WAY LINE  
 PROPOSED RIGHT OF WAY LINE  
 EXISTING EASEMENT  
 PROPOSED EASEMENT  
 AC - EXISTING ACCESS CONTROL LINE  
 AC - PROPOSED ACCESS CONTROL LINE  
 MEASURED DIMENSION  
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 IRON PIPE OR ROD FOUND  
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 STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.  
 STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
 PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)  
 RIGHT OF WAY STAKING PROPOSED TO BE SET

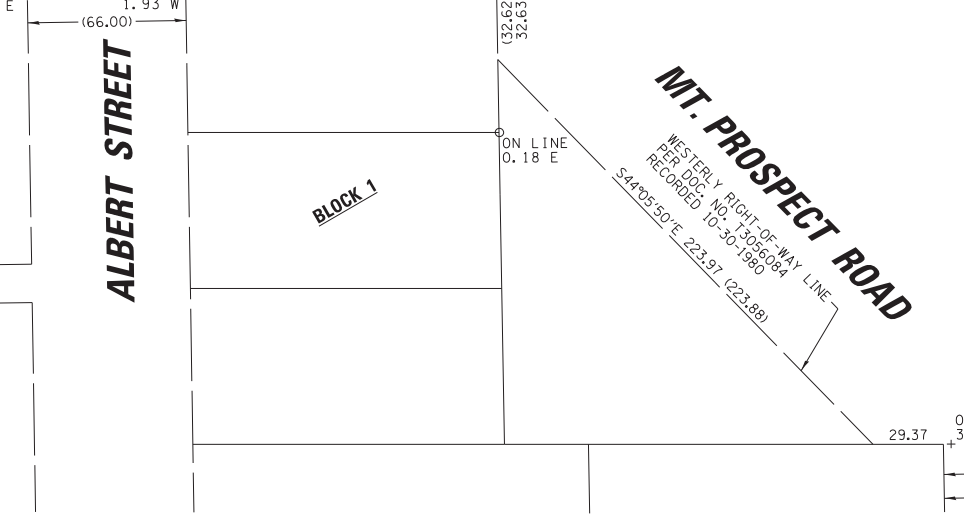


STATE OF ILLINOIS )  
 COUNTY OF COOK )  
 THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CHRISTOPHER B. BURKE ENGINEERING, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001175.) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREIN IN SECTION 34 & 35, TOWNSHIP 42 NORTH, RANGE 11 EAST & SECTION 7, TOWNSHIP 41 NORTH, RANGE 12 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 TRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.  
 DATED AT ROSEMONT, ILLINOIS THIS \_\_\_ DAY OF \_\_\_ 20\_\_\_ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3240  
 LICENSE EXPIRATION DATE: 11-30-2022  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

**COORDINATE TABLE**  
 ILLINOIS STATE PLANE COORDINATE SYSTEM,  
 EAST ZONE, NAD 83 (2007 ADJUSTMENT)

PT#	STATION	OFFSET	NORTHING	EASTING
50	167+62.77	276.51	LT 1967254.03	1095971.34
51	167+69.53	287.03	LT 1967264.53	1095978.13
52	167+73.60	282.62	LT 1967260.11	1095982.19
53	169+02.30	199.89	LT 1967176.97	1096110.63
54	169+00.95	197.78	LT 1967174.87	1096109.27
55	171+15.28	60.00	LT 1967036.41	1096323.16
56	171+62.28	60.00	LT 1967036.26	1096370.17
57	171+62.28	60.00	LT 1967026.26	1096370.13
58	171+15.12	50.00	LT 1967026.41	1096322.97
59	167+73.58	293.33	LT 1967270.82	1095982.20
60	168+00.50	276.03	LT 1967253.43	1096009.07
61	167+97.26	270.98	LT 1967248.40	1096005.81
62	169+09.97	198.52	LT 1967175.58	1096118.29
63	169+07.00	193.90	LT 1967170.96	1096115.30
64	170+61.34	90.82	LT 1967081.38	1096275.31
65	171+30.27	73.13	LT 1967049.49	1096338.19
66	171+31.75	90.07	LT 1967066.42	1096339.73
67	171+49.90	93.89	LT 1967070.18	1096357.89
68	171+47.28	64.00	LT 1967040.30	1096355.17
69	171+62.28	64.00	LT 1967040.26	1096370.17
70	164+31.20	379.21	LT 1967357.79	1095640.10
71	166+34.02	215.80	LT 1967181.12	1095842.33
72	166+26.67	245.12	LT 1967223.08	1095835.13
73	166+42.39	225.33	LT 1967203.23	1095850.79
74	166+50.54	201.40	LT 1967179.28	1095858.87
75	166+50.54	50.00	LT 1967027.88	1095858.39
76	166+18.49	50.00	LT 1967027.98	1095826.34
77	166+34.88	70.19	LT 1967048.12	1095842.79
78	166+34.02	215.80	LT 1967181.12	1095842.33
79	166+07.51	250.31	LT 1967228.32	1095815.99
80	165+72.49	272.82	LT 1967250.95	1095781.05
81	164+27.56	374.45	LT 1967353.03	1095636.44
82	164+20.88	365.70	LT 1967344.31	1095629.73
83	165+66.54	263.56	LT 1967241.71	1095775.07
84	166+02.35	240.55	LT 1967218.58	1095810.80
85	166+30.59	203.13	LT 1967181.09	1095838.93
86	166+31.38	69.06	LT 1967047.00	1095839.29
87	166+17.54	52.00	LT 1967029.99	1095825.40
88	165+98.49	52.00	LT 1967030.05	1095806.35
89	165+98.49	50.00	LT 1967028.05	1095806.34
90	167+10.54	191.21	LT 1967168.90	1095918.84
91	167+20.86	184.57	LT 1967162.23	1095929.13
92	167+10.54	178.90	LT 1967181.59	1095918.80
93	169+44.07	50.00	RT 1966926.95	1096151.60
94	170+85.75	50.00	RT 1966926.50	1096293.28
95	171+26.97	76.50	RT 1966899.87	1096334.41
96	171+25.89	78.18	RT 1966898.19	1096333.32
97	170+95.60	58.71	RT 1966917.76	1096303.10
98	170+62.12	53.00	RT 1966923.57	1096269.64
99	169+44.12	53.00	RT 1966923.95	1096151.64



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
OMS0008A	26.601	0.038	N/A	26.563	N/A	N/A	03-35-301-055
OMS0008TE-A					TE-A= 0.035	1519	03-35-301-056
OMS0008B		0.101	N/A	26.462	N/A	N/A	03-35-301-058
OMS0008TE-B					TE-B= 0.016	704	03-35-302-014
OMS0008TE-C					TE-C= 0.029	1267	03-35-302-015
OMS0008PE					PE= 0.092	4018	
OMS0009	1.500	0.107	N/A	1.393	N/A	N/A	03-35-307-009
OMS0009TE					TE= 0.079	3445	
OMS0010	0.320	0.001 61 SOFT	N/A	0.319	N/A	N/A	03-35-301-020
OMS0011PE	1.468	N/A	N/A	1.468	PE= 0.014	592	09-07-100-034

NOTE:  
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 AREAS SHOWN ON THIS PLAT ARE "GROUND"

**CB** **CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500  
 Contract No. 61H44

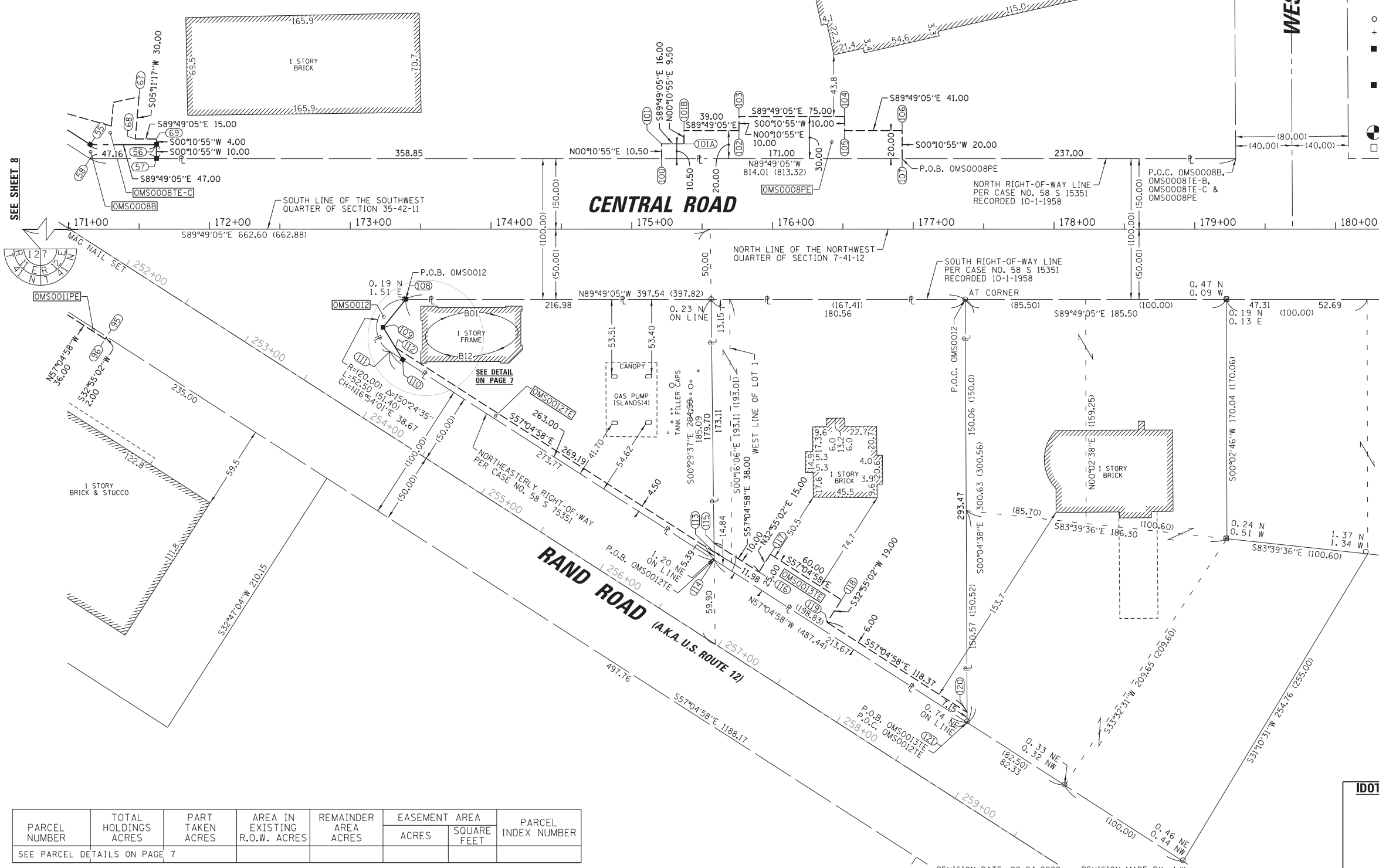
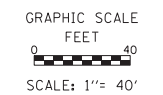
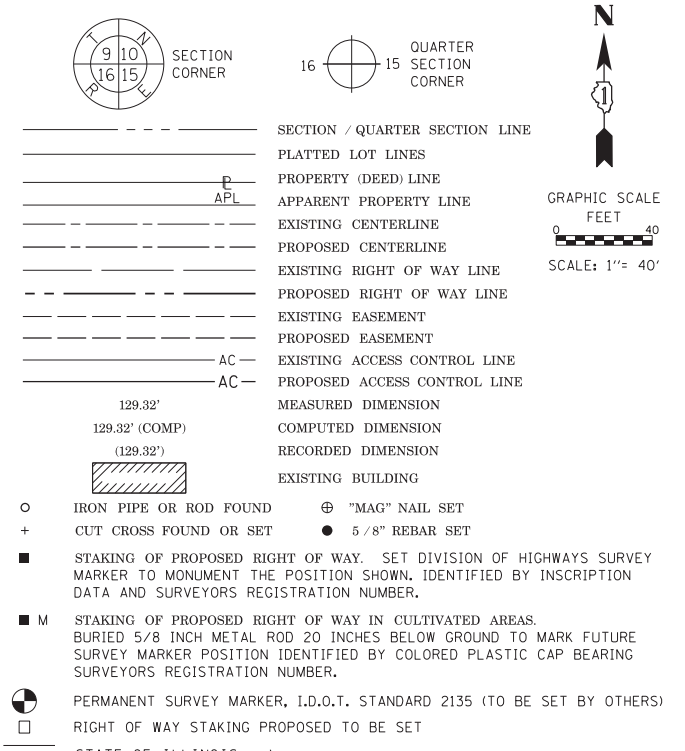
**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**CENTRAL ROAD**  
 LIMITS: ALBERT ST TO WESTGATE RD COUNTY: COOK  
 SECTION: 17-00166-00-CH TO STA.171+00.00 JOB NO.: R-90-014-20  
 STA.163+65.33 SCALE: 1"= 40' SHEET 103 OF 264 SHEETS

PART OF THE SOUTHEAST QUARTER OF SECTION 34, TWP. 42 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.  
 PART OF THE SOUTHWEST QUARTER OF SECTION 35, TWP. 42 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.  
 PART OF THE NORTHWEST QUARTER OF SECTION 7, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PT#	STATION	OFFSET	NORTHING	EASTING
55	171+15.28	60.00 LT	1967036.41	1096323.16
56	171+62.28	60.00 LT	1967036.26	1096370.16
57	171+62.28	50.00 LT	1967026.26	1096370.13
58	171+15.12	50.00 LT	1967026.41	1096322.97
67	171+49.90	93.89 LT	1967070.18	1096357.89
68	171+47.28	64.00 LT	1967040.30	1096355.17
69	171+62.28	64.00 LT	1967040.26	1096370.17
95	171+26.97	76.50 RT	1966899.87	1096334.41
96	171+25.89	78.18 RT	1966898.19	1096333.32
100	175+21.13	50.00 LT	1967025.12	1096728.97
101	175+21.13	60.50 LT	1967035.62	1096729.01
101A	175+31.13	60.50 LT	1967035.57	1096745.01
101B	175+31.13	70.00 LT	1967045.07	1096745.04
102	175+76.13	70.00 LT	1967044.94	1096784.04
103	175+76.13	80.00 LT	1967054.94	1096784.07
104	176+51.13	80.00 LT	1967054.70	1096859.07
105	176+51.13	70.00 LT	1967044.70	1096859.04
106	176+92.13	70.00 LT	1967044.57	1096900.04
107	176+92.13	50.00 LT	1967024.57	1096899.97

PT#	STATION	OFFSET	NORTHING	EASTING
108	173+39.42	50.00 RT	1966925.69	1096546.94
109	173+23.40	69.74 RT	1966906.00	1096530.86
110	173+37.35	92.86 RT	1966882.84	1096544.74
111	173+28.29	87.04 RT	1966888.69	1096535.70
112	175+32.08	84.12 RT	1966891.60	1096539.49
113	175+58.51	229.59 RT	1966745.31	1096765.47
114	175+58.58	235.08 RT	1966739.92	1096765.52
115	175+58.44	223.10 RT	1966751.90	1096765.41
116	175+90.40	243.65 RT	1966731.25	1096797.31
117	175+98.51	231.03 RT	1966743.84	1096805.46
118	176+48.98	263.48 RT	1966711.23	1096855.83
119	176+38.71	279.46 RT	1966695.28	1096845.51
120	177+38.28	343.47 RT	1966630.96	1096944.88
121	177+38.32	350.63 RT	1966623.80	1096944.89

**LEGEND**



STATE OF ILLINOIS )  
 COUNTY OF COOK ) SS  
 THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CHRISTOPHER B. BURKE ENGINEERING, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001175,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREIN IN SECTION 34 & 35, TOWNSHIP 42 NORTH, RANGE 11 EAST & SECTION 7, TOWNSHIP 41 NORTH, RANGE 12 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 RE-Traced, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.  
 DATED AT ROSEMONT, ILLINOIS THIS \_\_\_ DAY OF \_\_\_\_\_ 20\_\_ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3240  
 LICENSE EXPIRATION DATE: 11-30-2022  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTE:  
 ALL DIMENSION ARE MEASURED UNLESS OTHERWISE SPECIFIED  
 BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".  
 ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99996302.  
 AREAS SHOWN ON THIS PLAT ARE "GROUND"

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
SEE PARCEL DETAILS ON PAGE 7							

**CB** CHRISTOPHER B. BURKE ENGINEERING, LTD.  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500  
 Contract No. 61H44

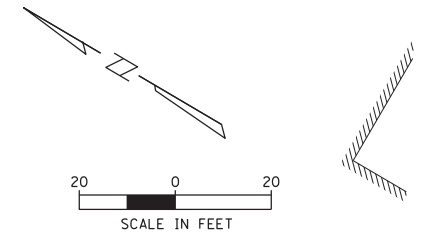
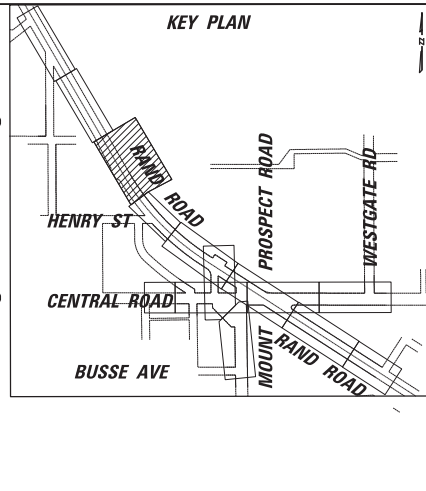
**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 CENTRAL ROAD  
 LIMITS: ALBERT ST TO WESTGATE RD  
 SECTION: 17-00166-00-CH COUNTY: COOK  
 STA. 171+00.00 TO STA. 180+36.95 JOB NO.: R-90-014-20  
 SCALE: 1" = 40' SHEET 104 OF 264 SHEETS  
 BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAMBURG, ILLINOIS 60196

N:\MOUNTPROSPECT\200015\civil1\ROW08\_200015.dgn

REVISION DATE: 02-24-2022 REVISION MADE BY: AJK

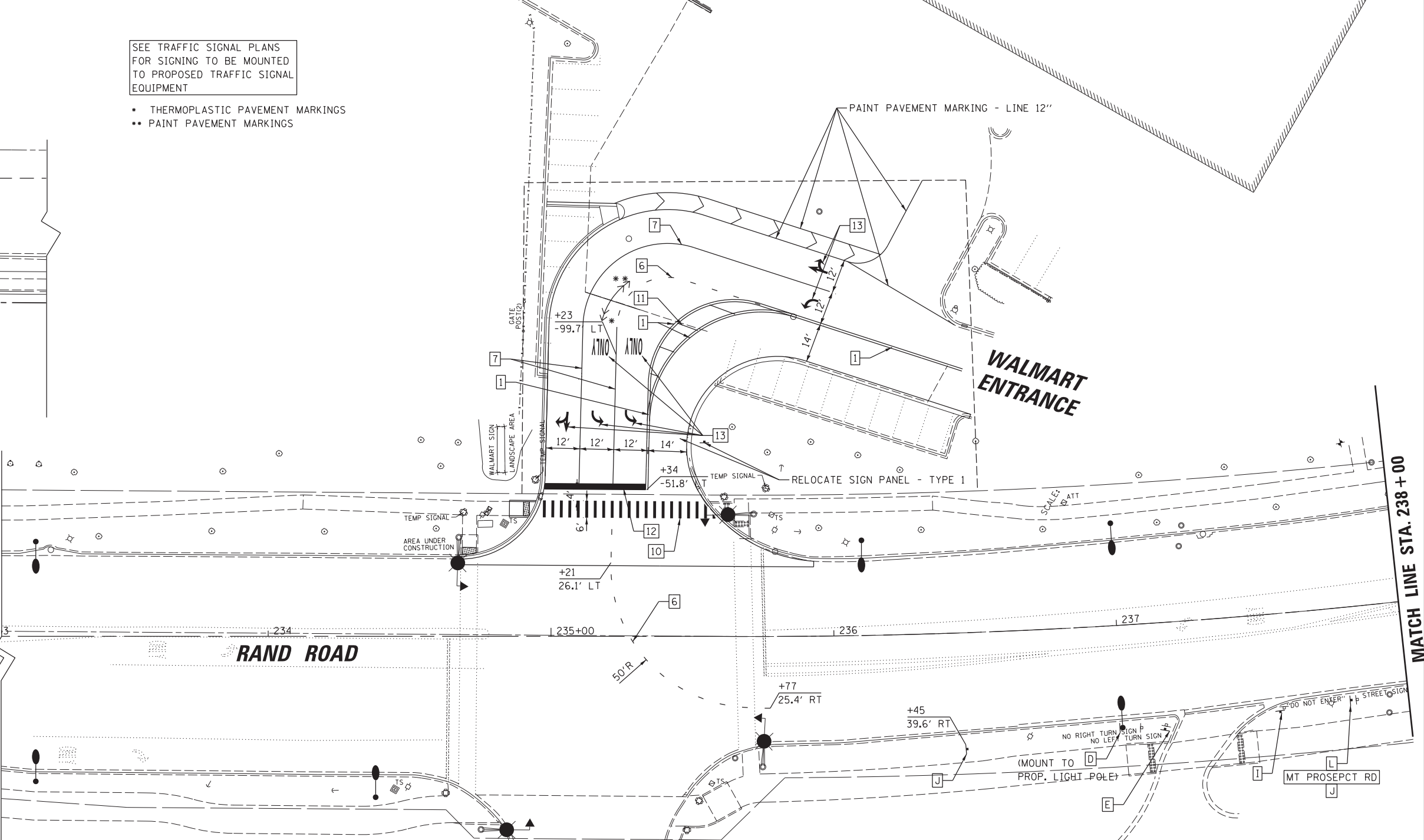
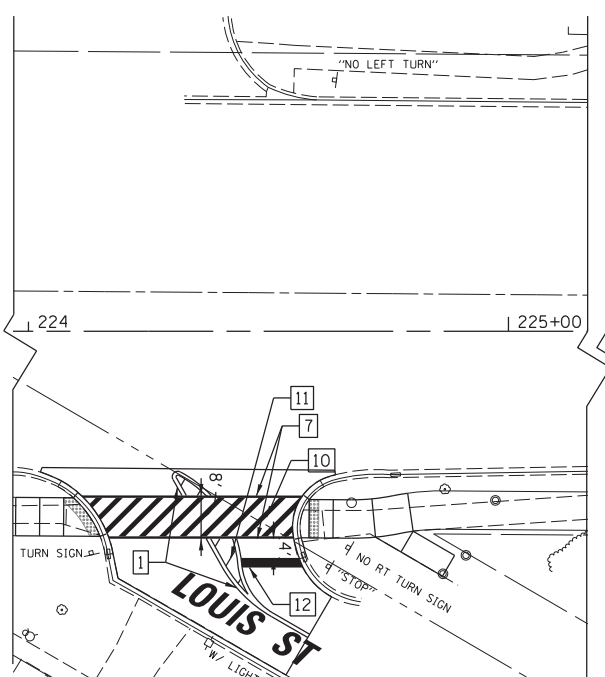
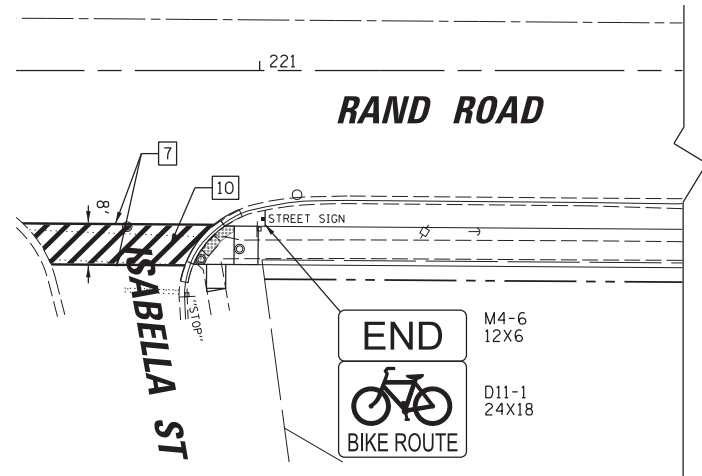
- PAVEMENT MARKING LEGEND:**
- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
  - 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)
  - 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP)
  - 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE - 10' DASH, 30' SKIP)
  - 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)
  - 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
  - 7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
  - 8 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)
  - 9 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE LANE LINE - 3' DASH, 9' SKIP)
  - 10 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE)
  - 11 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
  - 12 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)
  - 13 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

- SIGNAGE LEGEND:**
- |   |  |               |   |  |               |   |          |                |
|---|--|---------------|---|--|---------------|---|----------|----------------|
| A |  | R1-1 (36X36)  | G |  | R3-5L (30X36) | M | NOT USED |                |
| B |  | R2-1 (30X36)  | H |  | R4-7 (24X30)  | N |          | W11-15 (36X36) |
| C |  | R2-1 (30X36)  | I |  | R5-1 (36X36)  | O |          | W16-7P (24X12) |
| D |  | R3-1 (36X36)  | J |  | R7-1 (12X18)  | P |          | W16-9P (24X12) |
| E |  | R3-2 (36X36)  | K |  | R10-7 (24X30) | Q |          | R3-4 (36X36)   |
| F |  | R3-5R (30X36) | L |  | W3-3 (30X30)  |   |          |                |



SEE TRAFFIC SIGNAL PLANS FOR SIGNING TO BE MOUNTED TO PROPOSED TRAFFIC SIGNAL EQUIPMENT

- THERMOPLASTIC PAVEMENT MARKINGS
- PAINT PAVEMENT MARKINGS



MATCH LINE STA. 238 + 00

FILE NAME = N:\MOUNTPROSPECT\200015\Civil\PMK1.200015\_RAND.SHT  
 USER NAME = rhowellindgren  
 PLOT SCALE = 28'  
 PLOT DATE = 5/4/2022

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

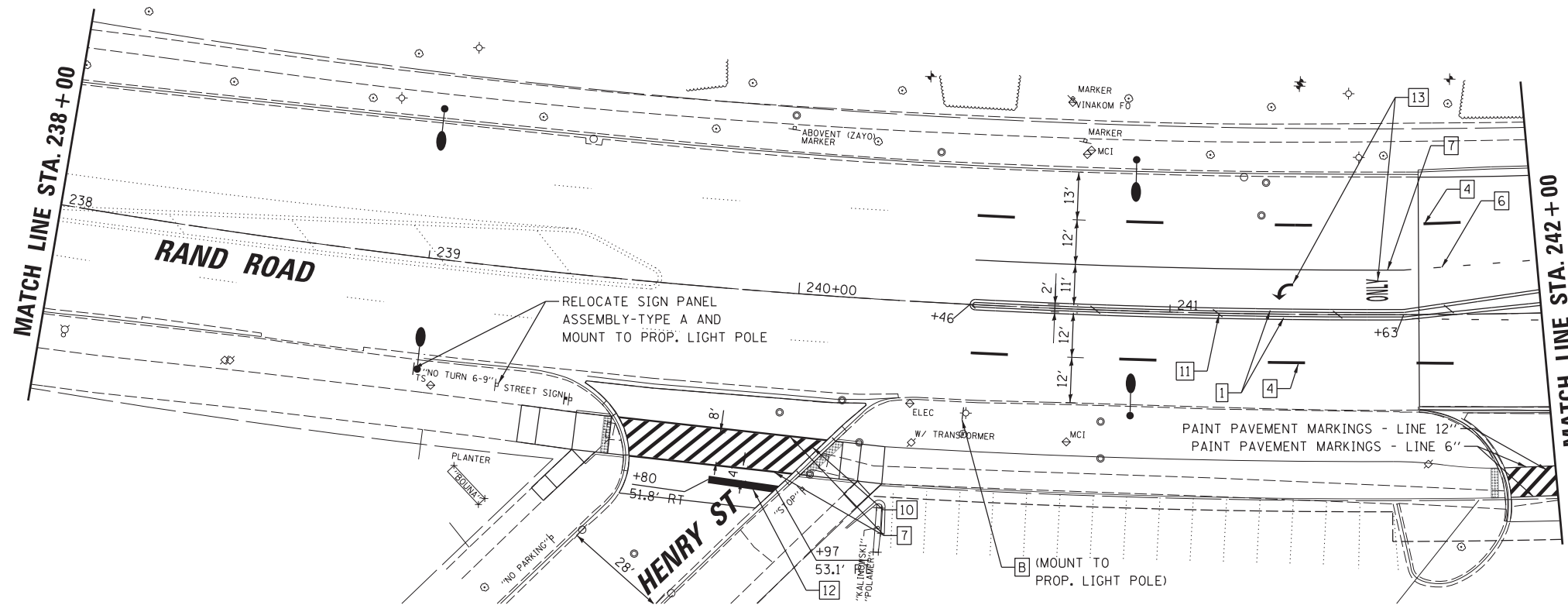
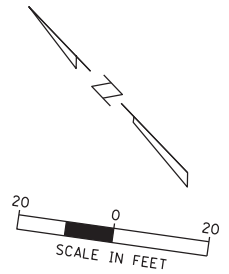
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1:20 SHEET 1 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	105
CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT	

NOTE: RAISED REFLECTIVE MARKERS TO BE INSTALLED AS SHOWN ON IDOT HIGHWAY STANDARD 781001. DOUBLE LANE MARKERS SHALL BE PLACED ON THE LANE LINES (AS SHOWN ON THE STANDARD).

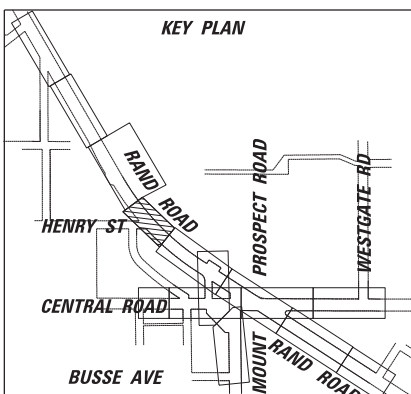


**PAVEMENT MARKING LEGEND:**

1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)	8 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)
2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)	9 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE LANE LINE - 3' DASH, 9' SKIP)
3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP)	10 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE)
4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE - 10' DASH, 30' SKIP)	11 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)	12 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)
6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)	13 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)	14 THERMOPLASTIC PAVEMENT MARKING - LINE (2 @ 4") (SOLID YELLOW LINE & 10' DASH - 30' SKIP, 5 1/2" C-C)

**SIGNAGE LEGEND:**

A STOP R1-1 (30X30)	G ONLY R3-5L (30X36)	M NOT USED
B SPEED LIMIT 40 R2-1 (30X36)	H ONLY R4-7 (24X30)	N W11-15 (36X36)
C SPEED LIMIT 35 R2-1 (30X36)	I DO NOT ENTER R5-1 (36X36)	O W16-7P (24X12)
D NO RIGHT TURN R3-1 (36X36)	J NO TURN ON RED R7-1 (12X18)	P AHEAD W16-9P (24X12)
E NO LEFT TURN R3-2 (36X36)	K DO NOT BLOCK INTERSECTION R10-7 (24X30)	Q NO U-TURN R3-4 (36X36)
F ONLY R3-5R (30X36)	L W3-3 (30X30)	R ONLY ONLY R3-8 (30X36)
		S NO U-TURN R3-18 (36X36)



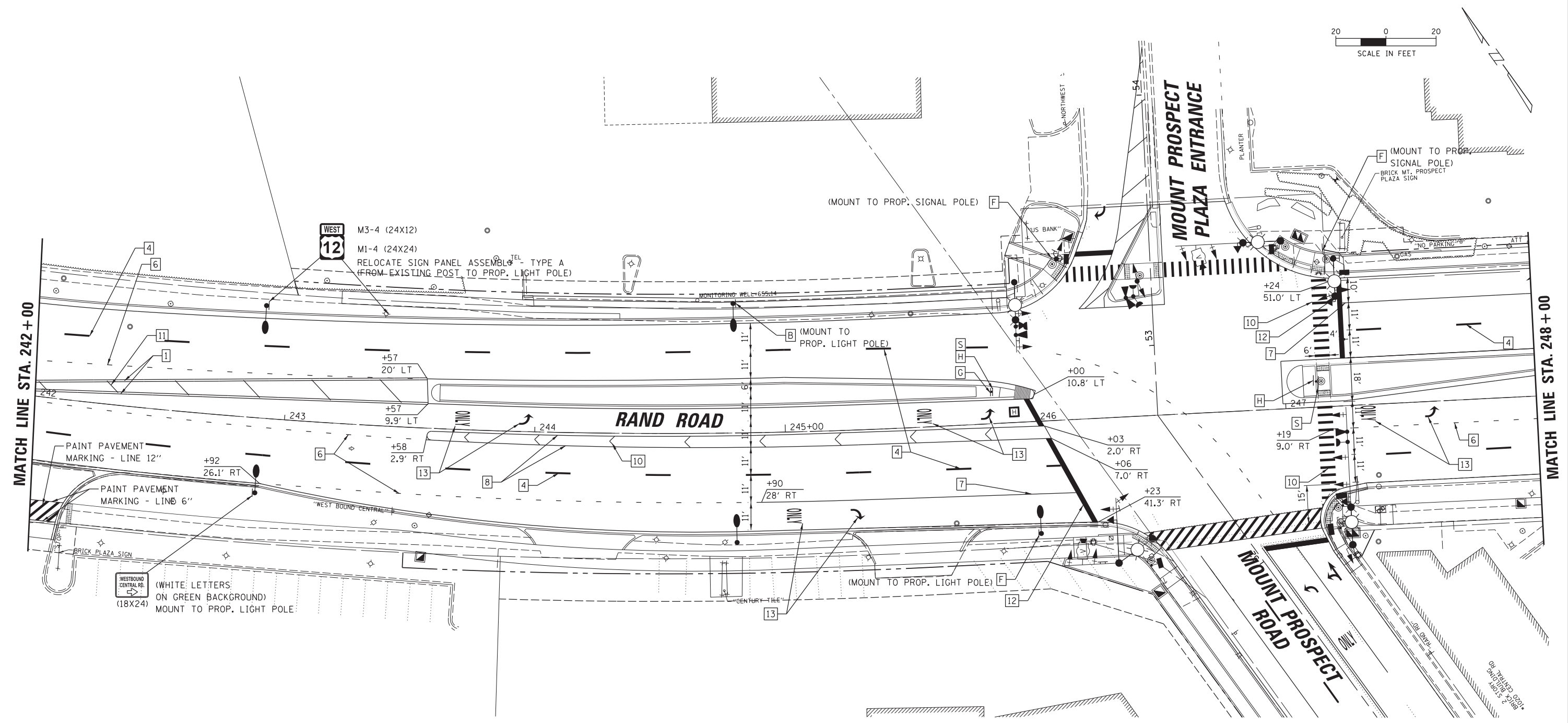
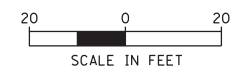
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Default	PLOT SCALE = 28'	DRAWN -	REVISED -
	PLOT DATE = 5/4/2022	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PAVEMENT MARKING AND SIGNING PLANS**

SCALE: 1:20 SHEET 2 OF 11 SHEETS STA. TO STA.

F.A.P. RTE. 334	SECTION 17-00166-00-CH	COUNTY COOK	TOTAL SHEETS 264	SHEET NO. 106
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	



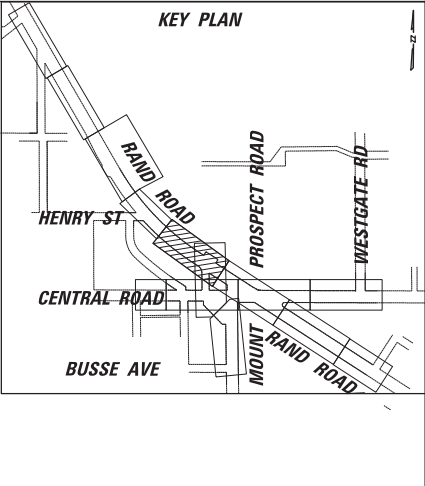
SEE PMK SHEET 11 FOR MT. PROSPECT ROAD PAVEMENT MARKINGS

**PAVEMENT MARKING LEGEND:**

- |   |   |
|---|---|
| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)       | 8 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)   |
| 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)                      | 9 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE LANE LINE - 3' DASH, 9' SKIP)                         |
| 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP) | 10 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE)   |
| 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE - 10' DASH, 30' SKIP)  | 11 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)                                     |
| 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)                       | 12 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)  |
| 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)     | 13 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS   |
| 7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)                       | 14 THERMOPLASTIC PAVEMENT MARKING - LINE (2 @ 4") (SOLID YELLOW LINE & 10' DASH - 30' SKIP, 5 1/2" C-C) |

**SIGNAGE LEGEND:**

- |                               |   |                           |
|-------------------------------|---|---------------------------|
| A STOP R1-1 (30X30)           | G ONLY R3-5L (30X36)                      | M NOT USED                |
| B SPEED LIMIT 40 R2-1 (30X36) | H ONLY R4-7 (24X30)                       | N W11-15 (36X36)          |
| C SPEED LIMIT 35 R2-1 (30X36) | I DO NOT ENTER R5-1 (36X36)               | O W16-7P (24X12)          |
| D NO LEFT TURN R3-1 (36X36)   | J NO U-TURN R7-1 (12X18)                  | P AHEAD W16-9P (24X12)    |
| E NO RIGHT TURN R3-2 (36X36)  | K DO NOT BLOCK INTERSECTION R10-7 (24X30) | Q NO U-TURN R3-4 (36X36)  |
| F ONLY R3-5R (30X36)          | L W3-3 (30X30)                            | R ONLY ONLY R3-8 (30X36)  |
|                               |   | S NO U-TURN R3-18 (36X36) |



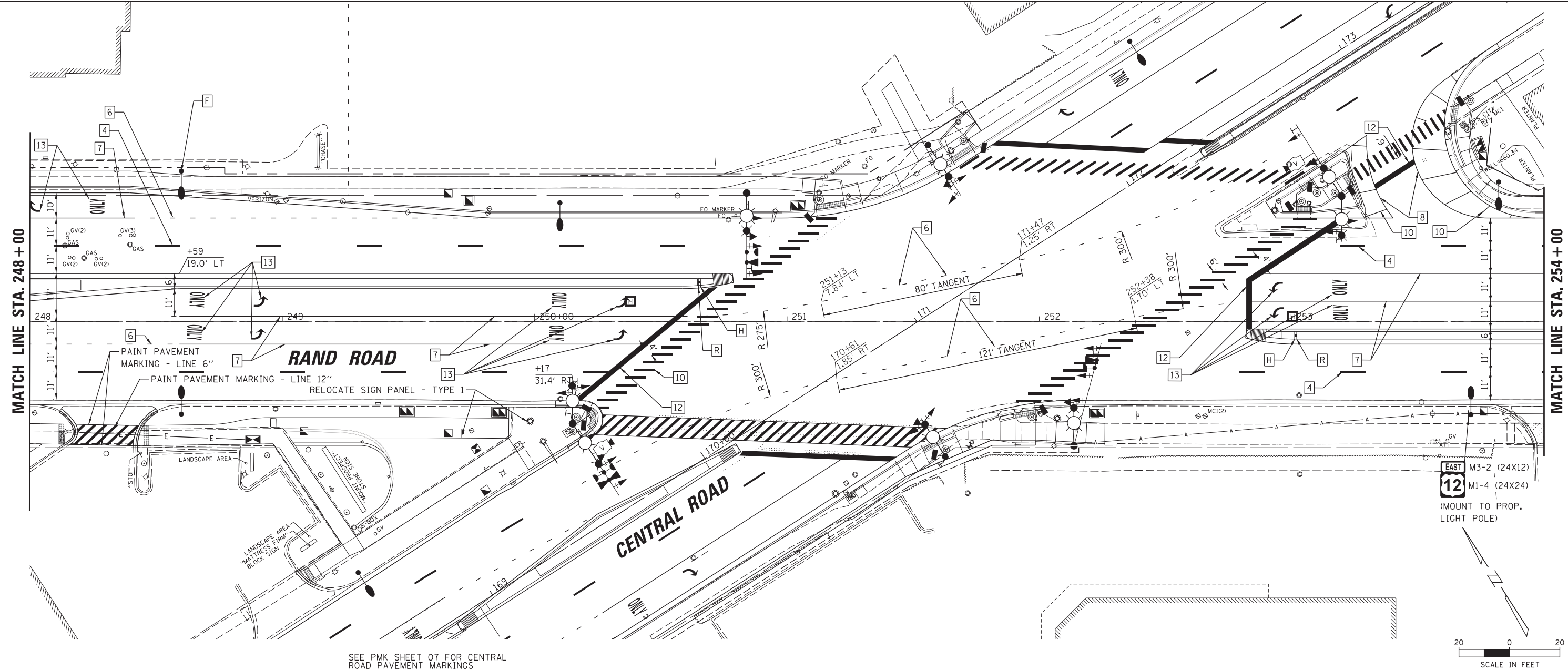
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		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PAVEMENT MARKING AND SIGNING PLANS**

SCALE: 1:20 SHEET 3 OF 11 SHEETS STA. TO STA.

F.A.P. RTE. 334	SECTION 17-00166-00-CH	COUNTY COOK	TOTAL SHEETS 264	SHEET NO. 107
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	



SEE PMK SHEET 07 FOR CENTRAL ROAD PAVEMENT MARKINGS

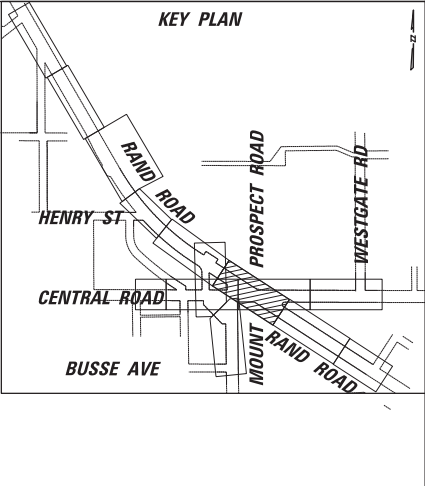


**PAVEMENT MARKING LEGEND:**

- |   |   |    |  |
|---|---|----|--|
| 1 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)       | 8  | THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)  |
| 2 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)                      | 9  | THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE LANE LINE - 3' DASH, 9' SKIP)                        |
| 3 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP) | 10 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE)   |
| 4 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE - 10' DASH, 30' SKIP)  | 11 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)                                     |
| 5 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)                       | 12 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)  |
| 6 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)     | 13 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS   |
| 7 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)                       | 14 | THERMOPLASTIC PAVEMENT MARKING - LINE (2 @ 4") (SOLID YELLOW LINE & 10' DASH - 30' SKIP, 5 1/2" C-C) |

**SIGNAGE LEGEND:**

- |   |                             |   |   |   |                         |
|---|-----------------------------|---|---|---|-------------------------|
| A | STOP R1-1 (30X30)           | G | ONLY R3-5L (30X36)                      | M | NOT USED                |
| B | SPEED LIMIT 40 R2-1 (30X36) | H | ONLY R4-7 (24X30)                       | N | W11-15 (36X36)          |
| C | SPEED LIMIT 35 R2-1 (30X36) | I | DO NOT ENTER R5-1 (36X36)               | O | W16-7P (24X12)          |
| D | NO LEFT TURN R3-1 (36X36)   | J | NO TURN ON RED R7-1 (12X18)             | P | AHEAD W16-9P (24X12)    |
| E | NO RIGHT TURN R3-2 (36X36)  | K | DO NOT BLOCK INTERSECTION R10-7 (24X30) | Q | NO U-TURN R3-4 (36X36)  |
| F | ONLY R3-5R (30X36)          | L | W3-3 (30X30)                            | R | ONLY ONLY R3-8 (30X36)  |
|   |                             |   |   | S | NO U-TURN R3-18 (36X36) |



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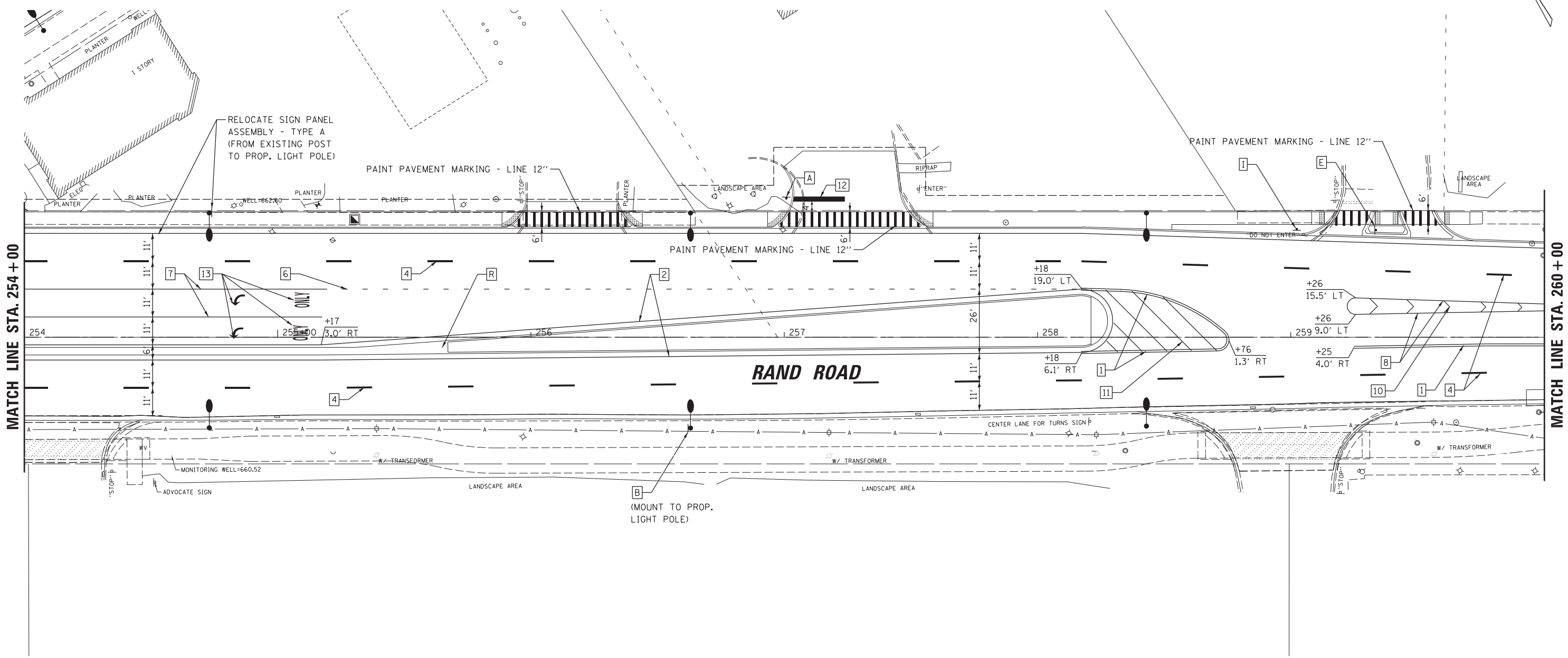
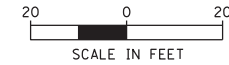
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PAVEMENT MARKING AND SIGNING PLANS**

SCALE: 1:20 SHEET 4 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	108
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	



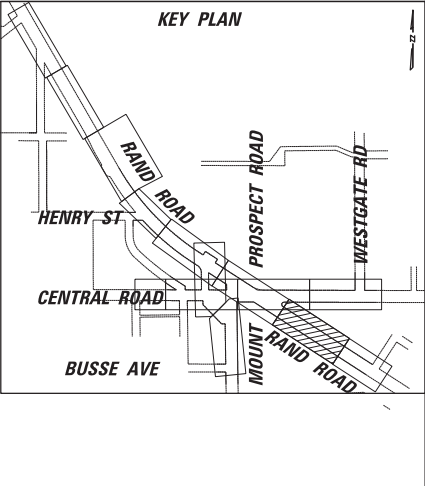


MATCH LINE STA. 254 + 00

MATCH LINE STA. 260 + 00

- PAVEMENT MARKING LEGEND:**
- |   |   |    |  |
|---|---|----|--|
| 1 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)       | 8  | THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)  |
| 2 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)                      | 9  | THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE LANE LINE - 3' DASH, 9' SKIP)                        |
| 3 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP) | 10 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE)   |
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| 5 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)                       | 12 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)  |
| 6 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)     | 13 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS   |
| 7 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)                       | 14 | THERMOPLASTIC PAVEMENT MARKING - LINE (2 @ 4") (SOLID YELLOW LINE & 10' DASH - 30' SKIP, 5 1/2" C-C) |

- SIGNAGE LEGEND:**
- |   |                             |   |   |   |                      |
|---|-----------------------------|---|---|---|----------------------|
| A | STOP R1-1 (30X30)           | G | ONLY R3-5L (30X36)                      | M | NOT USED             |
| B | SPEED LIMIT 40 R2-1 (30X36) | H | ONLY R4-7 (24X30)                       | N | W11-15 (36X36)       |
| C | SPEED LIMIT 35 R2-1 (30X36) | I | DO NOT ENTER R5-1 (36X36)               | O | W16-7P (24X12)       |
| D | NO LEFT TURN R3-1 (36X36)   | J | NO TURN ON RED R7-1 (12X18)             | P | AHEAD W16-9P (24X12) |
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| F | ONLY R3-5R (30X36)          | L | W3-3 (30X30)                            | R | R3-8 (30X36)         |
|   |                             |   |   | S | R3-18 (36X36)        |



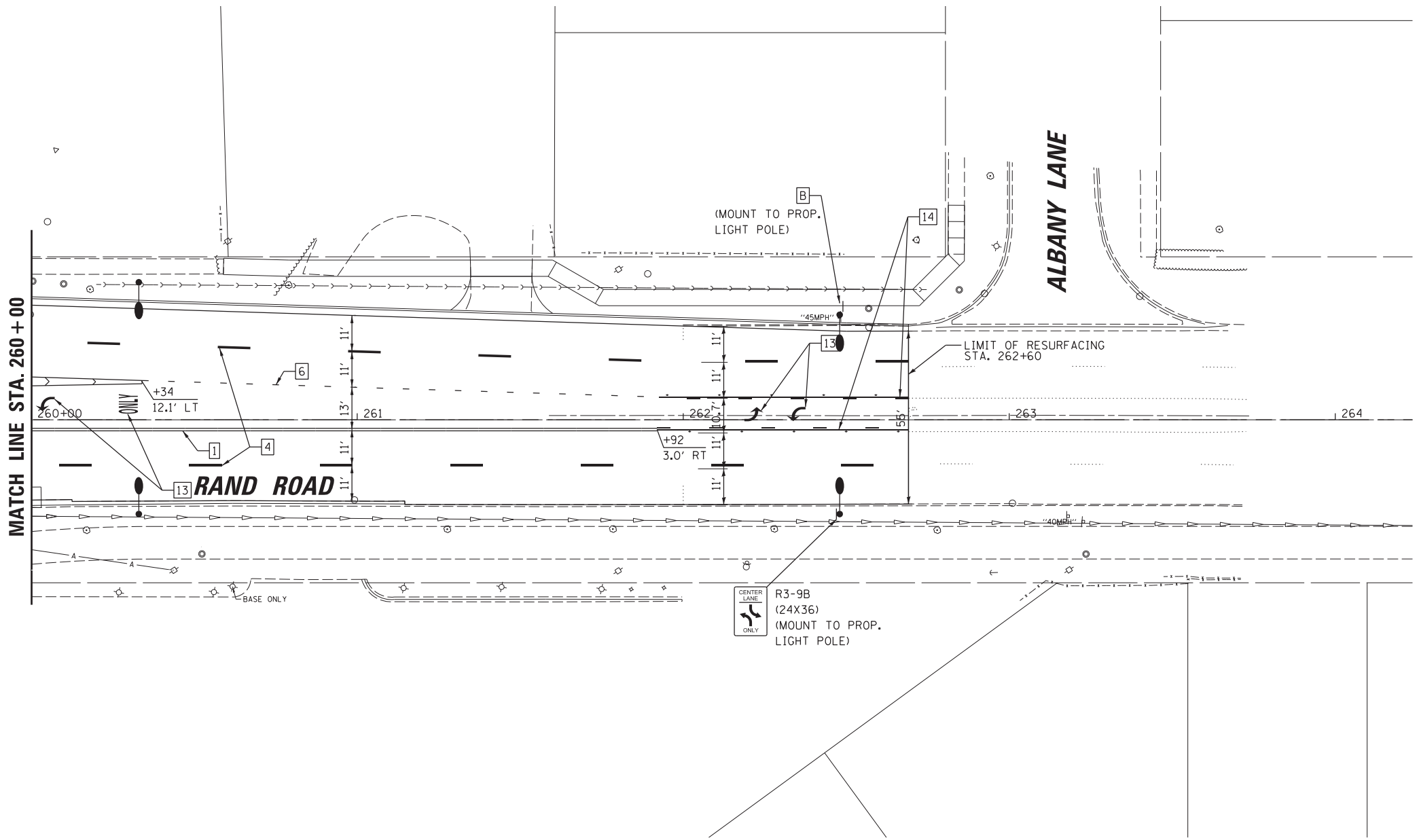
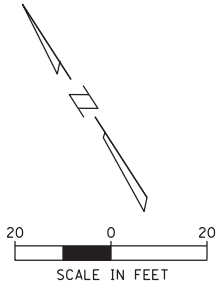
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Default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PAVEMENT MARKING AND SIGNING PLANS**

SCALE: 1:20 SHEET 5 OF 11 SHEETS STA. TO STA.

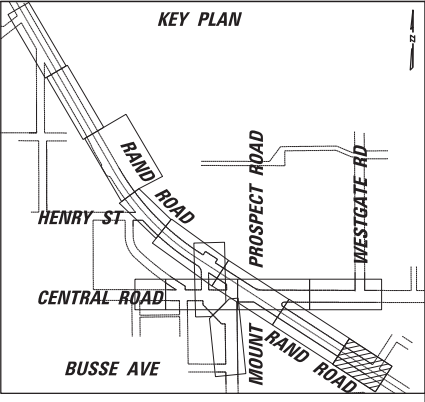
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	109
			CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT				



- PAVEMENT MARKING LEGEND:**
- |   |   |    |  |
|---|---|----|--|
| 1 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)       | 8  | THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)  |
| 2 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)                      | 9  | THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE LANE LINE - 3' DASH, 9' SKIP)                        |
| 3 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP) | 10 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE)   |
| 4 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE - 10' DASH, 30' SKIP)  | 11 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)                                     |
| 5 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)                       | 12 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)  |
| 6 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)     | 13 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS   |
| 7 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)                       | 14 | THERMOPLASTIC PAVEMENT MARKING - LINE (2 @ 4") (SOLID YELLOW LINE & 10' DASH - 30' SKIP, 5 1/2" C-C) |

**SIGNAGE LEGEND:**

A		R1-1 (30X30)	G		R3-5L (30X36)	M	NOT USED	
B		R2-1 (30X36)	H		R4-7 (24X30)	N		W11-15 (36X36)
C		R2-1 (30X36)	I		R5-1 (36X36)	O		W16-7P (24X12)
D		R3-1 (36X36)	J		R7-1 (12X18)	P		W16-9P (24X12)
E		R3-2 (36X36)	K		R10-7 (24X30)	Q		R3-4 (36X36)
F		R3-5R (30X36)	L		W3-3 (30X30)	R		R3-8 (30X36)
						S		R3-18 (36X36)



FILE NAME =	USER NAME = rhowellindgren	DESIGNED -	REVISED -
N:\MOUNTPROSPECT\200015\Civil\PMK6.2000	5_RAND.SHT	DRAWN -	REVISED -
Default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

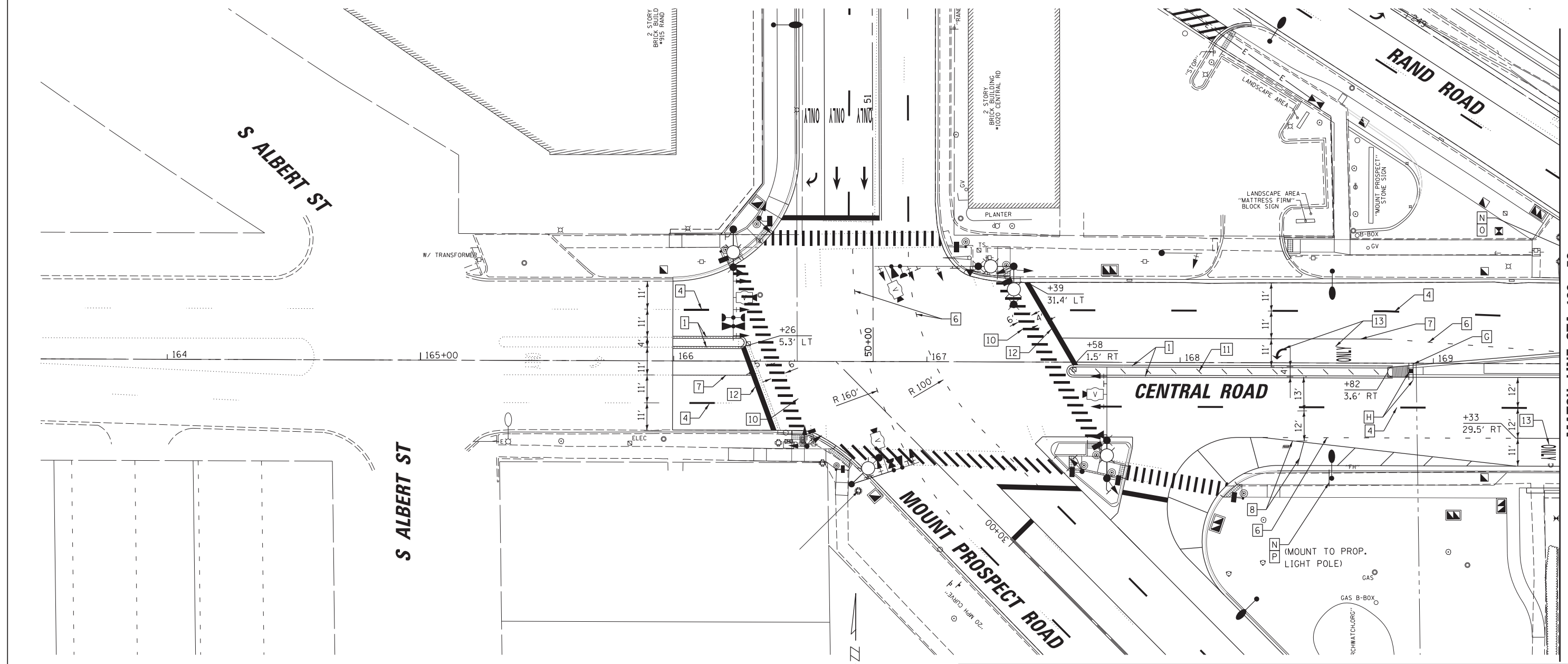
**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PAVEMENT MARKING AND SIGNING PLANS**

SCALE: 1:20 SHEET 6 OF 11 SHEETS STA. TO STA.

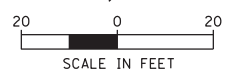
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	110
CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT	

SEE PMK SHEET 11 FOR MT. PROSPECT ROAD PAVEMENT MARKINGS

SEE PMK SHEET 04 FOR RAND ROAD PAVEMENT MARKINGS



MATCH LINE STA. 169 + 50

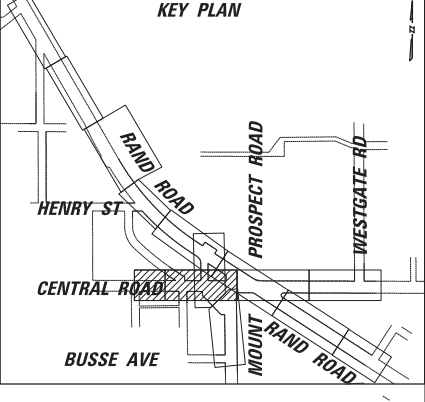


**PAVEMENT MARKING LEGEND:**

- |   |   |
|---|---|
| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)       | 8 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)   |
| 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)                      | 9 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE LANE LINE - 3' DASH, 9' SKIP)                         |
| 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP) | 10 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE)   |
| 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE - 10' DASH, 30' SKIP)  | 11 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)                                     |
| 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)                       | 12 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)  |
| 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)     | 13 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS   |
| 7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)                       | 14 THERMOPLASTIC PAVEMENT MARKING - LINE (2 @ 4") (SOLID YELLOW LINE & 10' DASH - 30' SKIP, 5 1/2" C-C) |

**SIGNAGE LEGEND:**

A STOP R1-1 (30X30)	G ONLY R3-5L (30X36)	M NOT USED
B SPEED LIMIT 40 R2-1 (30X36)	H ONLY R4-7 (24X30)	N W11-15 (36X36)
C SPEED LIMIT 35 R2-1 (30X36)	I DO NOT ENTER R5-1 (36X36)	O W16-7P (24X12)
D R3-1 (36X36)	J W16-9P (24X12)	P AHEAD W16-9P (24X12)
E R3-2 (36X36)	K DO NOT BLOCK INTERSECTION R10-7 (24X30)	Q R3-4 (36X36)
F ONLY R3-5R (30X36)	L W3-3 (30X30)	R R3-8 (30X36)
		S R3-18 (36X36)



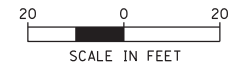
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Default	PLOT SCALE = 28'	DRAWN -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

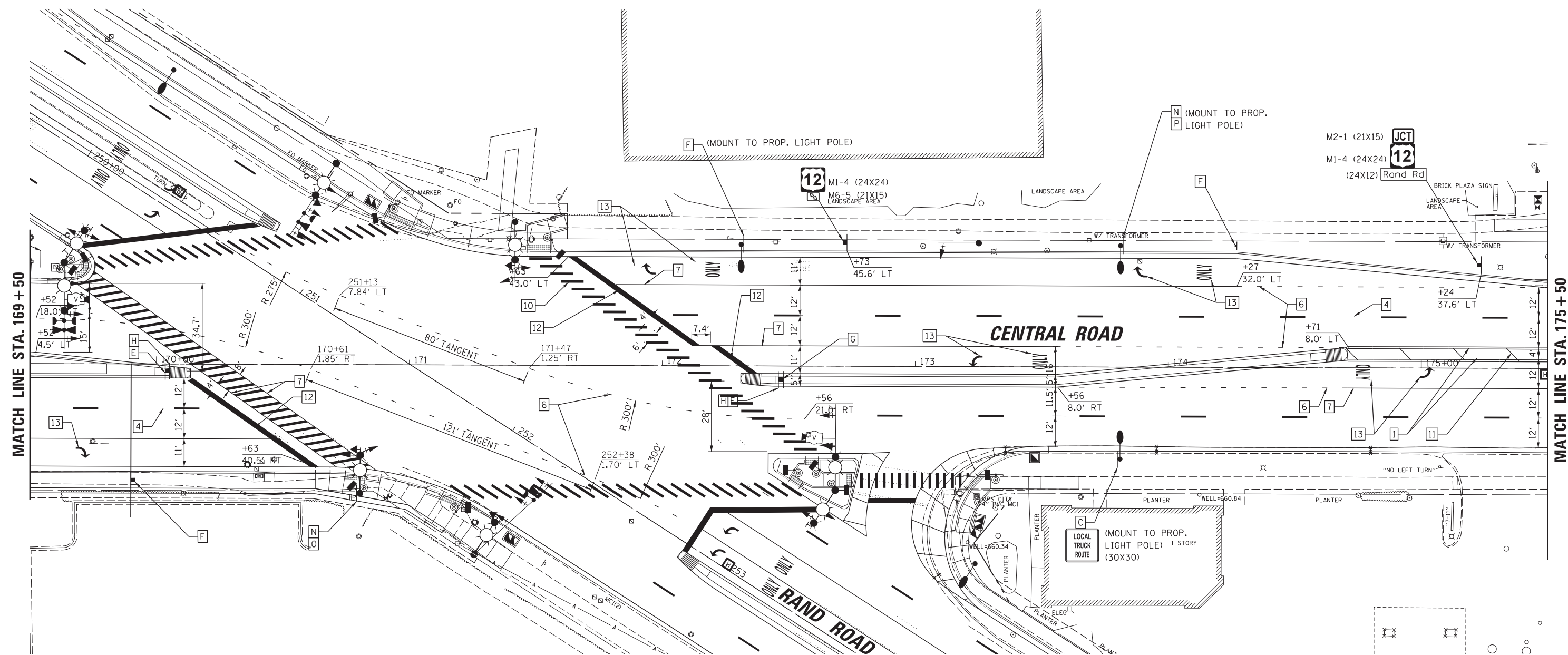
**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS PAVEMENT MARKING AND SIGNING PLANS**

SCALE: 1:20 SHEET 7 OF 11 SHEETS STA. TO STA.

F.A.P. RTE. 334	SECTION 17-00166-00-CH	COUNTY COOK	TOTAL SHEETS 264	SHEET NO. 111
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	



SEE PMK SHEET 04 FOR RAND ROAD PAVEMENT MARKINGS



SEE PMK SHEET 05 FOR RAND ROAD PAVEMENT MARKINGS

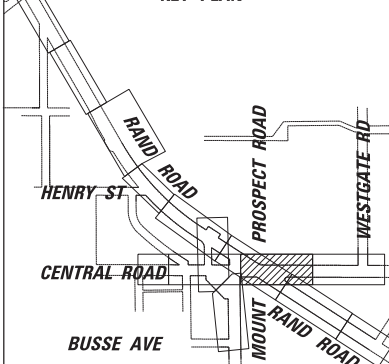
**PAVEMENT MARKING LEGEND:**

- |   |   |
|---|---|
| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)       | 8 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)   |
| 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)                      | 9 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE LANE LINE - 3' DASH, 9' SKIP)                         |
| 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP) | 10 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE)   |
| 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE - 10' DASH, 30' SKIP)  | 11 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)                                     |
| 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)                       | 12 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)  |
| 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)     | 13 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS   |
| 7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)                       | 14 THERMOPLASTIC PAVEMENT MARKING - LINE (2 @ 4") (SOLID YELLOW LINE & 10' DASH - 30' SKIP, 5 1/2" C-C) |

**SIGNAGE LEGEND:**

- |                               |   |                              |
|-------------------------------|---|------------------------------|
| A STOP R1-1 (30X30)           | G ONLY R3-5L (30X36)                      | M NOT USED                   |
| B SPEED LIMIT 40 R2-1 (30X36) | H ONLY R4-7 (24X30)                       | N W11-15 (36X36)             |
| C SPEED LIMIT 35 R2-1 (30X36) | I DO NOT ENTER R5-1 (36X36)               | O W16-7P (24X12)             |
| D NO RIGHT TURN R3-1 (36X36)  | J NO U-TURN R7-1 (12X18)                  | P AHEAD W16-9P (24X12)       |
| E NO LEFT TURN R3-2 (36X36)   | K DO NOT BLOCK INTERSECTION R10-7 (24X30) | Q NO RIGHT TURN R3-4 (36X36) |
| F ONLY R3-5R (30X36)          | L W3-3 (30X30)                            | R ONLY ONLY R3-8 (30X36)     |
|                               |   | S NO LEFT TURN R3-18 (36X36) |

**KEY PLAN**



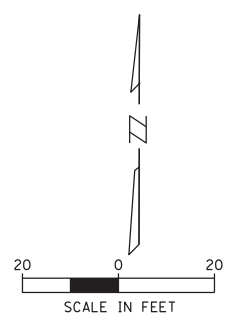
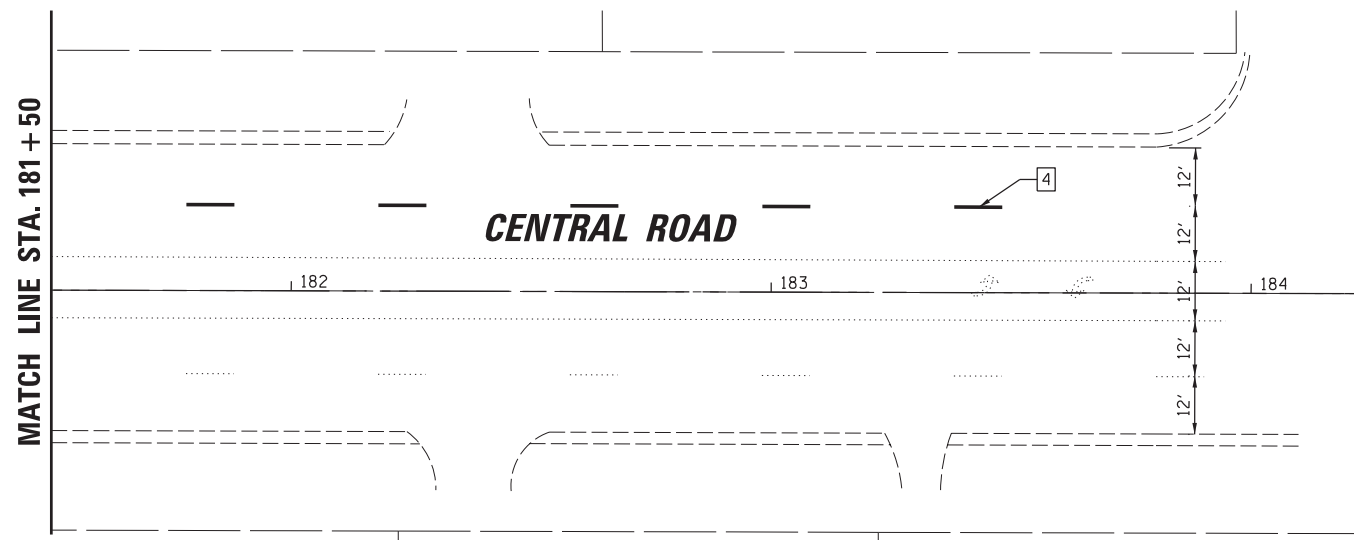
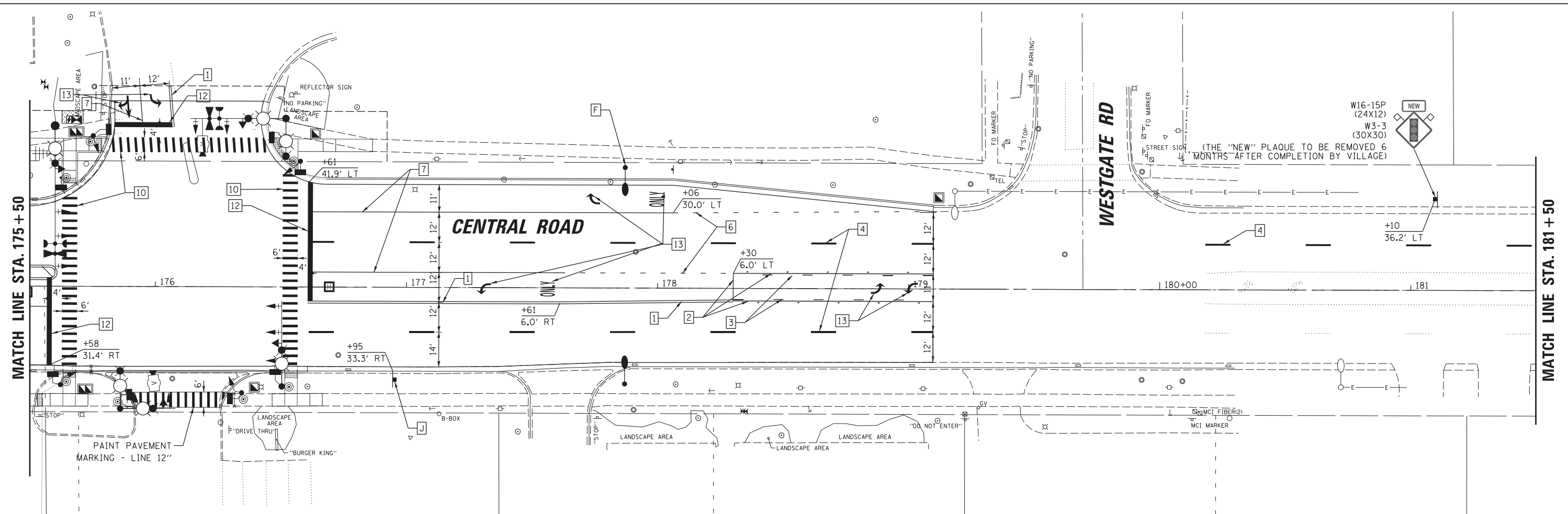
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Default	PLOT SCALE = 28'	DRAWN -	REVISED -
	PLOT DATE = 5/4/2022	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PAVEMENT MARKING AND SIGNING PLANS**

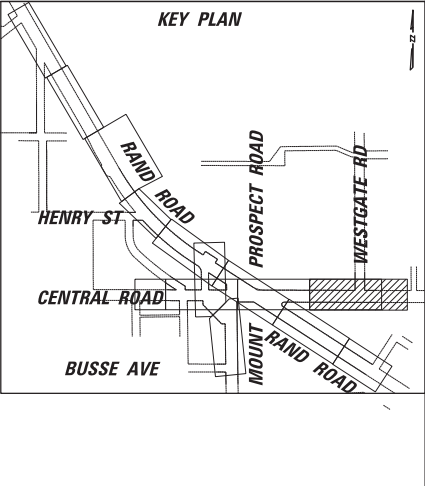
SCALE: 1:20 SHEET 8 OF 11 SHEETS STA. TO STA.

F.A.P. RTE. 334	SECTION 17-00166-00-CH	COUNTY COOK	TOTAL SHEETS 264	SHEET NO. 112
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	



- PAVEMENT MARKING LEGEND:**
- |   |   |    |  |
|---|---|----|--|
| 1 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)       | 8  | THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)  |
| 2 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)                      | 9  | THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE LANE LINE - 3' DASH, 9' SKIP)                        |
| 3 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP) | 10 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE)   |
| 4 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE - 10' DASH, 30' SKIP)  | 11 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)                                     |
| 5 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)                       | 12 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)  |
| 6 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)     | 13 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS   |
| 7 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)                       | 14 | THERMOPLASTIC PAVEMENT MARKING - LINE (2 @ 4") (SOLID YELLOW LINE & 10' DASH - 30' SKIP, 5 1/2" C-C) |

- SIGNAGE LEGEND:**
- |   |                             |   |   |   |                         |
|---|-----------------------------|---|---|---|-------------------------|
| A | STOP R1-1 (30X30)           | G | ONLY R3-5L (30X36)                      | M | NOT USED                |
| B | SPEED LIMIT 40 R2-1 (30X36) | H | ONLY R4-7 (24X30)                       | N | W11-15 (36X36)          |
| C | SPEED LIMIT 35 R2-1 (30X36) | I | DO NOT ENTER R5-1 (36X36)               | O | W16-7P (24X12)          |
| D | NO LEFT TURN R3-1 (36X36)   | J | NO U-TURN R7-1 (12X18)                  | P | AHEAD W16-9P (24X12)    |
| E | NO RIGHT TURN R3-2 (36X36)  | K | DO NOT BLOCK INTERSECTION R10-7 (24X30) | Q | NO U-TURN R3-4 (36X36)  |
| F | ONLY R3-5R (30X36)          | L | W3-3 (30X30)                            | R | ONLY ONLY R3-8 (30X36)  |
|   |                             |   |   | S | NO U-TURN R3-18 (36X36) |



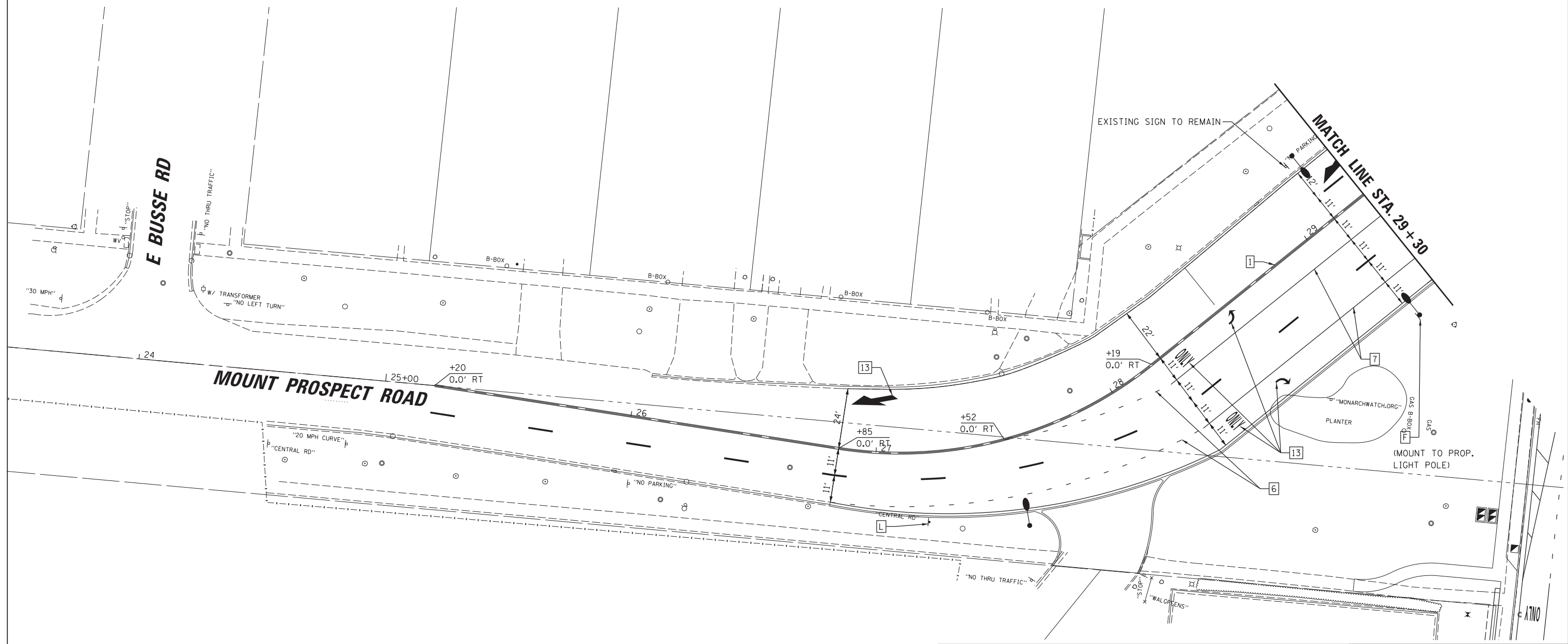
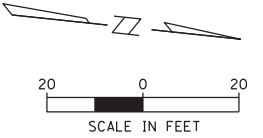
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Default		CHECKED -	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PAVEMENT MARKING AND SIGNING PLANS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	113
CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT	

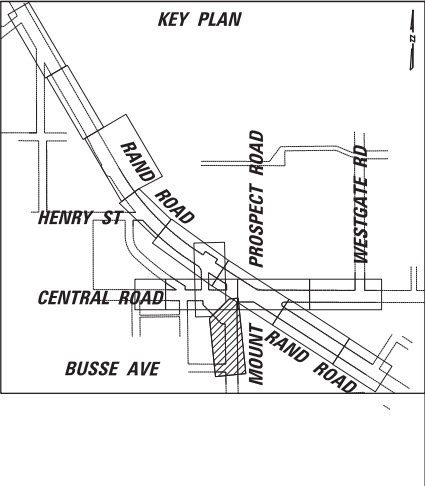
SCALE: 1:20 SHEET 9 OF 11 SHEETS STA. TO STA.



- PAVEMENT MARKING LEGEND:**
- |   |   |    |  |
|---|---|----|--|
| 1 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)       | 8  | THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)  |
| 2 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)                      | 9  | THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE LANE LINE - 3' DASH, 9' SKIP)                        |
| 3 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP) | 10 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE)   |
| 4 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE - 10' DASH, 30' SKIP)  | 11 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)                                     |
| 5 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)                       | 12 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)  |
| 6 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)     | 13 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS   |
| 7 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)                       | 14 | THERMOPLASTIC PAVEMENT MARKING - LINE (2 @ 4") (SOLID YELLOW LINE & 10' DASH - 30' SKIP, 5 1/2" C-C) |

**SIGNAGE LEGEND:**

A		R1-1 (30X30)	G		R3-5L (30X36)	M	NOT USED	
B		R2-1 (30X36)	H		R4-7 (24X30)	N		W11-15 (36X36)
C		R2-1 (30X36)	I		R5-1 (36X36)	O		W16-7P (24X12)
D		R3-1 (36X36)	J		R7-1 (12X18)	P		W16-9P (24X12)
E		R3-2 (36X36)	K		R10-7 (24X30)	Q		R3-4 (36X36)
F		R3-5R (30X36)	L		W3-3 (30X30)	R		R3-8 (30X36)
						S		R3-18 (36X36)



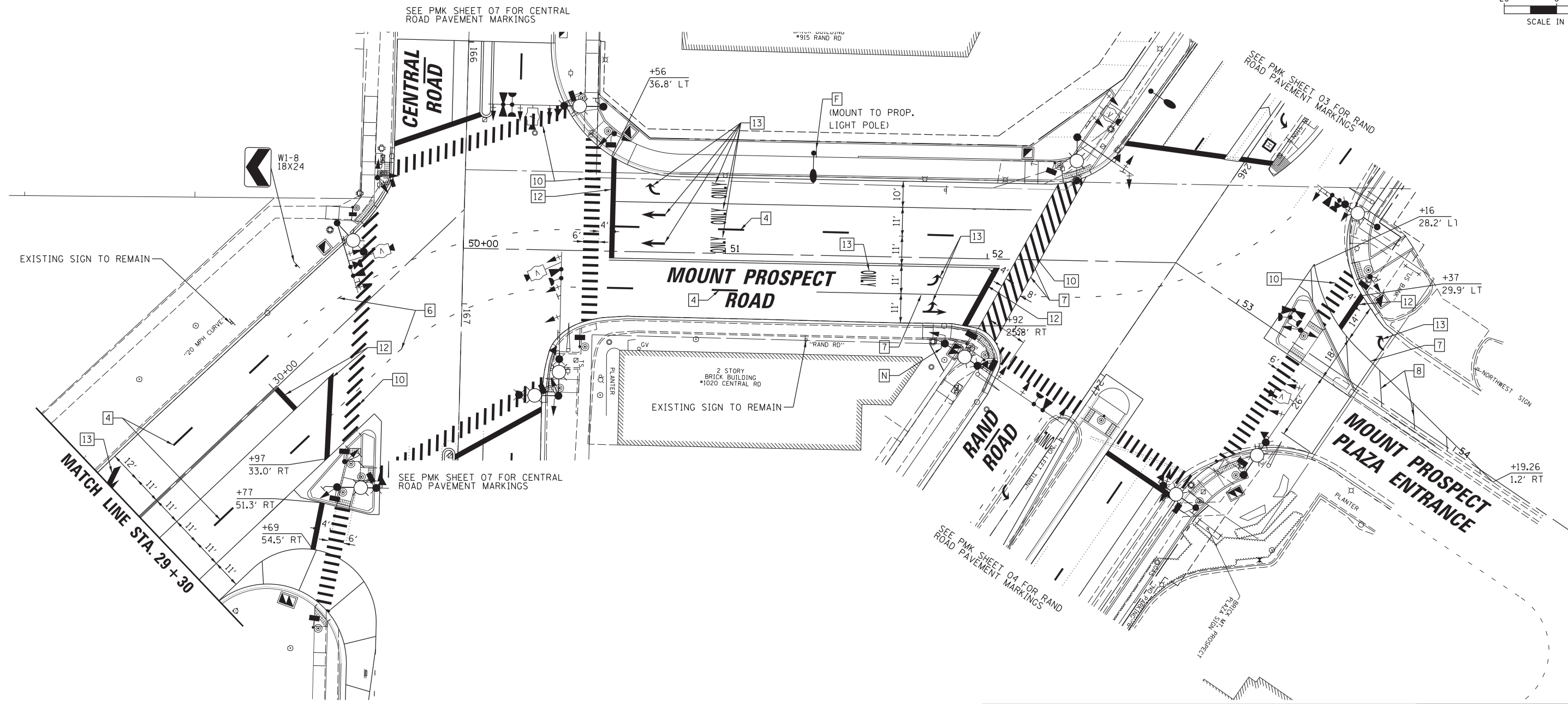
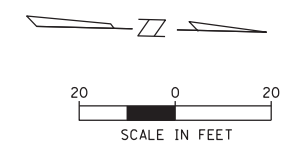
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Default	PLOT SCALE = 28"	CHECKED -	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PAVEMENT MARKING AND SIGNING PLANS**

SCALE: 1:20    SHEET 10 OF 11 SHEETS    STA.                      TO STA.

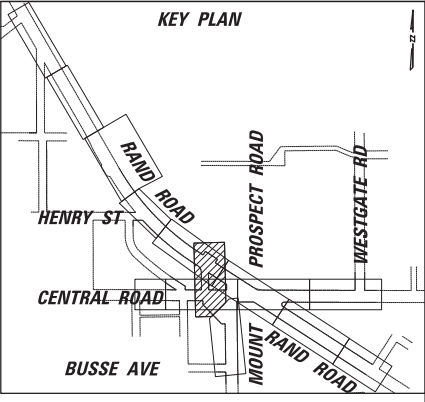
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	114
CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT	



- PAVEMENT MARKING LEGEND:**
- |   |   |
|---|---|
| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)       | 8 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)   |
| 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)                      | 9 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE LANE LINE - 3' DASH, 9' SKIP)                         |
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| 7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)                       | 14 THERMOPLASTIC PAVEMENT MARKING - LINE (2 @ 4") (SOLID YELLOW LINE & 10' DASH - 30' SKIP, 5 1/2" C-C) |

**SIGNAGE LEGEND:**

A STOP R1-1 (30X30)	G ONLY R3-5L (30X36)	M NOT USED
B SPEED LIMIT 40 R2-1 (30X36)	H ONLY R4-7 (24X30)	N W11-15 (36X36)
C SPEED LIMIT 35 R2-1 (30X36)	I DO NOT ENTER R5-1 (36X36)	O W16-7P (24X12)
D NO RIGHT TURN R3-1 (36X36)	J NO U-TURN R7-1 (12X18)	P AHEAD W16-9P (24X12)
E NO LEFT TURN R3-2 (36X36)	K DO NOT BLOCK INTERSECTION R10-7 (24X30)	Q NO U-TURN R3-4 (36X36)
F ONLY R3-5R (30X36)	L W3-3 (30X30)	R ONLY ONLY R3-8 (30X36)
		S NO U-TURN R3-18 (36X36)



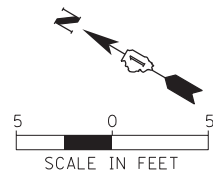
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Default	PLOT SCALE = 28'	DRAWN -	REVISED -
	PLOT DATE = 5/4/2022	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PAVEMENT MARKING AND SIGNING PLANS**

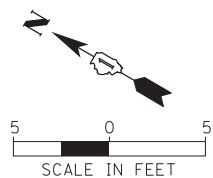
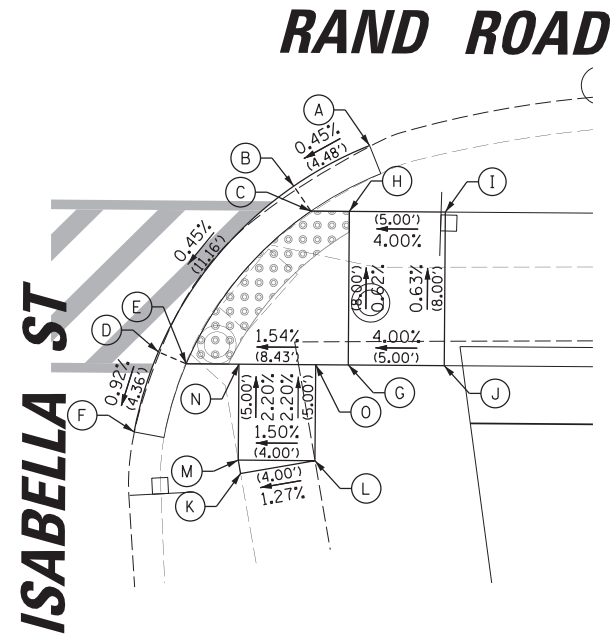
SCALE: 1:20 SHEET 11 OF 11 SHEETS STA. TO STA.

F.A.P. RTE. 334	SECTION 17-00166-00-CH	COUNTY COOK	TOTAL SHEETS 264	SHEET NO. 115
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	



**SE Quadrant**  
Rand Rd and Isabela St

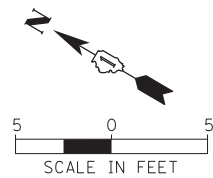
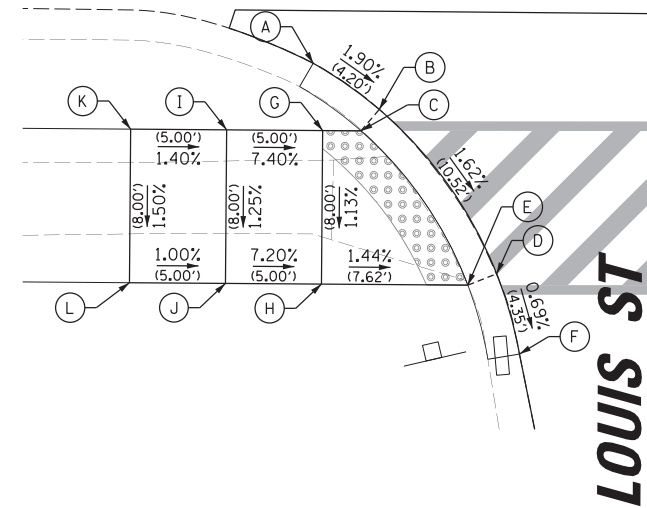
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C	220+92.71	32.39' RT	656.85
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E	220+86.22	40.35' RT	656.80
F	220+83.50	43.90' RT	656.76
G	220+94.65	40.41' RT	656.93
H	220+94.71	32.41' RT	656.88
I	220+99.71	32.45' RT	657.08
J	220+99.65	40.44' RT	657.13
K	220+89.05	46.07' RT	656.96
L	220+92.92	45.40' RT	657.01
M	220+88.93	45.37' RT	656.95
N	220+88.96	40.37' RT	656.84
O	220+92.96	40.40' RT	656.90



**SW Quadrant**  
Rand Rd and Louis St

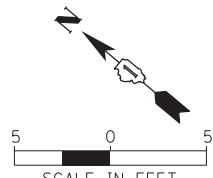
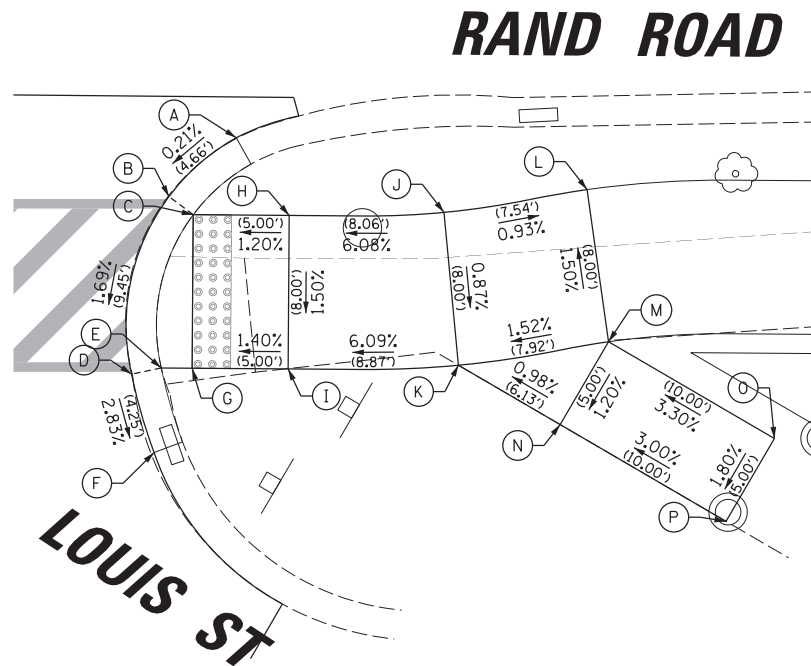
POINT	STA	OFFSET	ELEV
A	22+72.66	46.42' RT	889.90
B	22+68.66	47.19' RT	889.87
C	22+68.66	49.85' RT	889.83
D	22+60.66	49.98' RT	889.74
E	22+60.66	52.84' RT	889.70
F	22+39.68	71.04' RT	888.87
G	22+42.54	71.04' RT	888.83
H	22+36.96	79.04' RT	888.71
I	22+39.49	79.04' RT	888.67
J	22+35.95	95.00' RT	888.02
K	22+37.53	95.01' RT	888.45
L	22+48.78	95.05' RT	888.76
M	22+50.31	82.12' RT	888.87
N	22+42.54	79.04' RT	888.72
O	22+51.33	79.04' RT	888.86
P	22+51.33	71.04' RT	888.98
Q	22+68.66	71.04' RT	888.75
R	22+68.66	79.04' RT	888.60
S	22+60.66	71.04' RT	888.84
T	22+60.66	79.04' RT	888.72
U	22+60.66	57.84' RT	889.68
V	22+68.66	57.84' RT	889.70
W	22+68.66	52.84' RT	889.78
X	22+72.58	49.04' RT	890.12
Y	22+68.66	54.84' RT	889.75
Z	22+57.18	54.81' RT	889.98
AA	22+44.49	67.55' RT	889.43
AB	22+46.54	71.04' RT	888.90

**RAND ROAD**

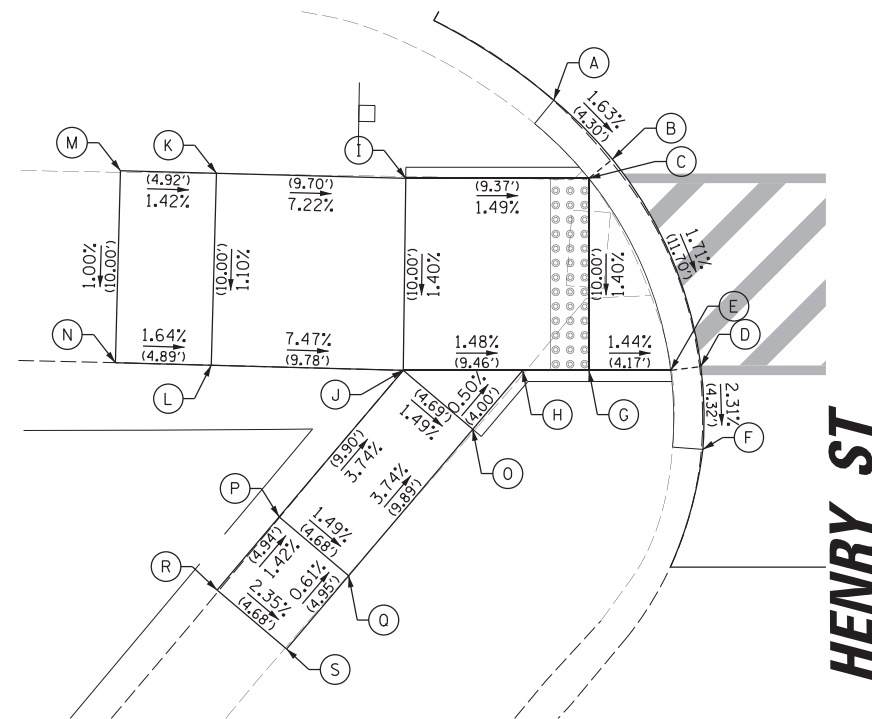


**SE Quadrant**  
Rand Rd and Louis St

POINT	STA	OFFSET	ELEV
A	224+60.75	31.03' RT	657.88
B	224+57.24	34.10' RT	657.87
C	224+58.51	35.05' RT	657.87
D	224+55.29	43.35' RT	657.71
E	224+56.84	43.03' RT	657.71
F	224+56.47	47.43' RT	657.59
G	224+58.45	43.05' RT	657.74
H	224+63.51	35.08' RT	657.93
I	224+63.45	43.08' RT	657.81
J	224+71.57	34.92' RT	658.42
K	224+72.32	42.89' RT	658.35
L	224+79.02	33.74' RT	658.35
M	224+80.14	41.66' RT	658.47
N	224+77.62	45.98' RT	658.41
O	224+88.78	46.70' RT	658.80
P	224+86.26	51.02' RT	658.71



**RAND ROAD**



**SW Quadrant**  
Rand Rd and Henry St

POINT	STA	OFFSET	ELEV
A	239+51.26	33.01' RT	657.25
B	239+54.21	36.14' RT	657.18
C	239+52.99	37.11' RT	657.18
D	239+58.55	47.01' RT	656.98
E	239+57.01	47.18' RT	656.98
F	239+58.58	51.33' RT	656.88
G	239+52.84	47.11' RT	657.04
H	239+49.47	47.06' RT	657.09
I	239+43.62	36.99' RT	657.32
J	239+43.38	46.99' RT	657.18
K	239+33.93	36.64' RT	658.02
L	239+33.61	46.64' RT	657.91
M	239+29.01	36.48' RT	658.09
N	239+28.72	46.48' RT	657.99
O	239+46.89	50.10' RT	657.11
P	239+37.00	54.56' RT	657.55
Q	239+40.51	57.66' RT	657.48
R	239+33.83	58.35' RT	657.62
S	239+37.33	61.45' RT	657.51

FILE NAME =	USER NAME = rhowellindgren	DESIGNED -	REVISED -
N:\MOUNTPROSPECT\200015\Civil\ADA01.200015.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

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

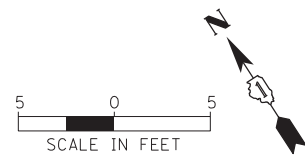
**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS**  
**SIDWALK RAMP DETAILS**

SCALE: 1:5    SHEET 1 OF 10 SHEETS    STA.    TO STA.

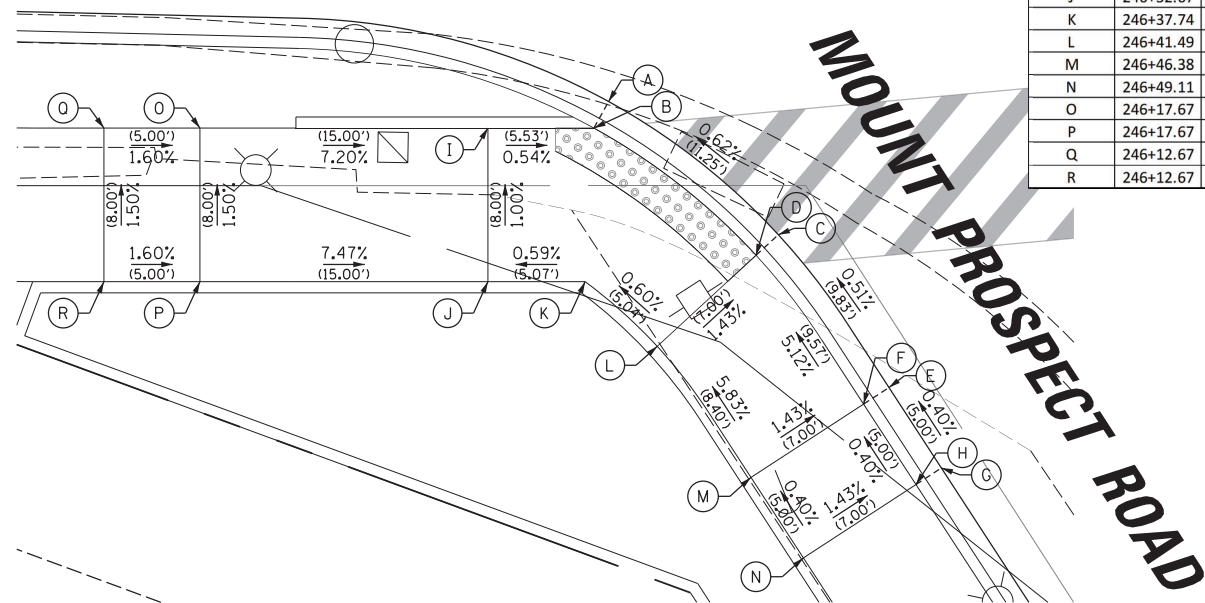
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	116
CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT	



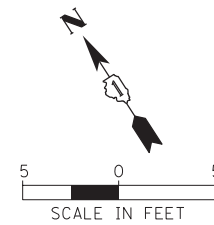




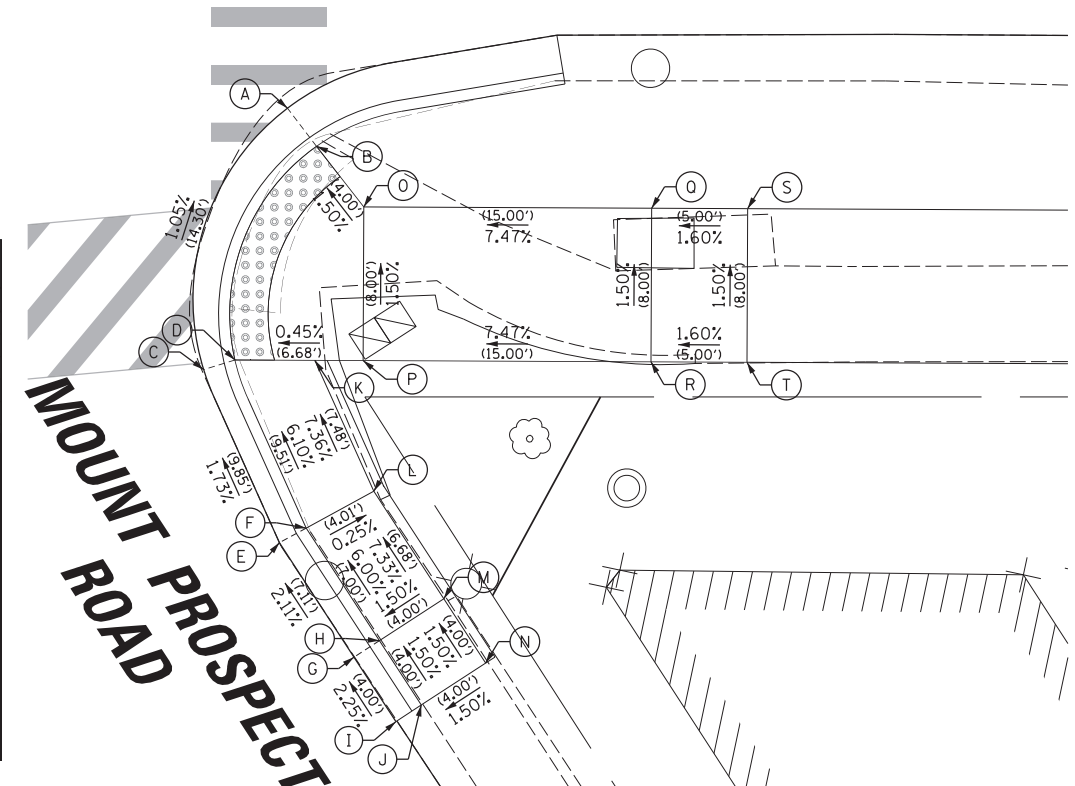
# RAND ROAD



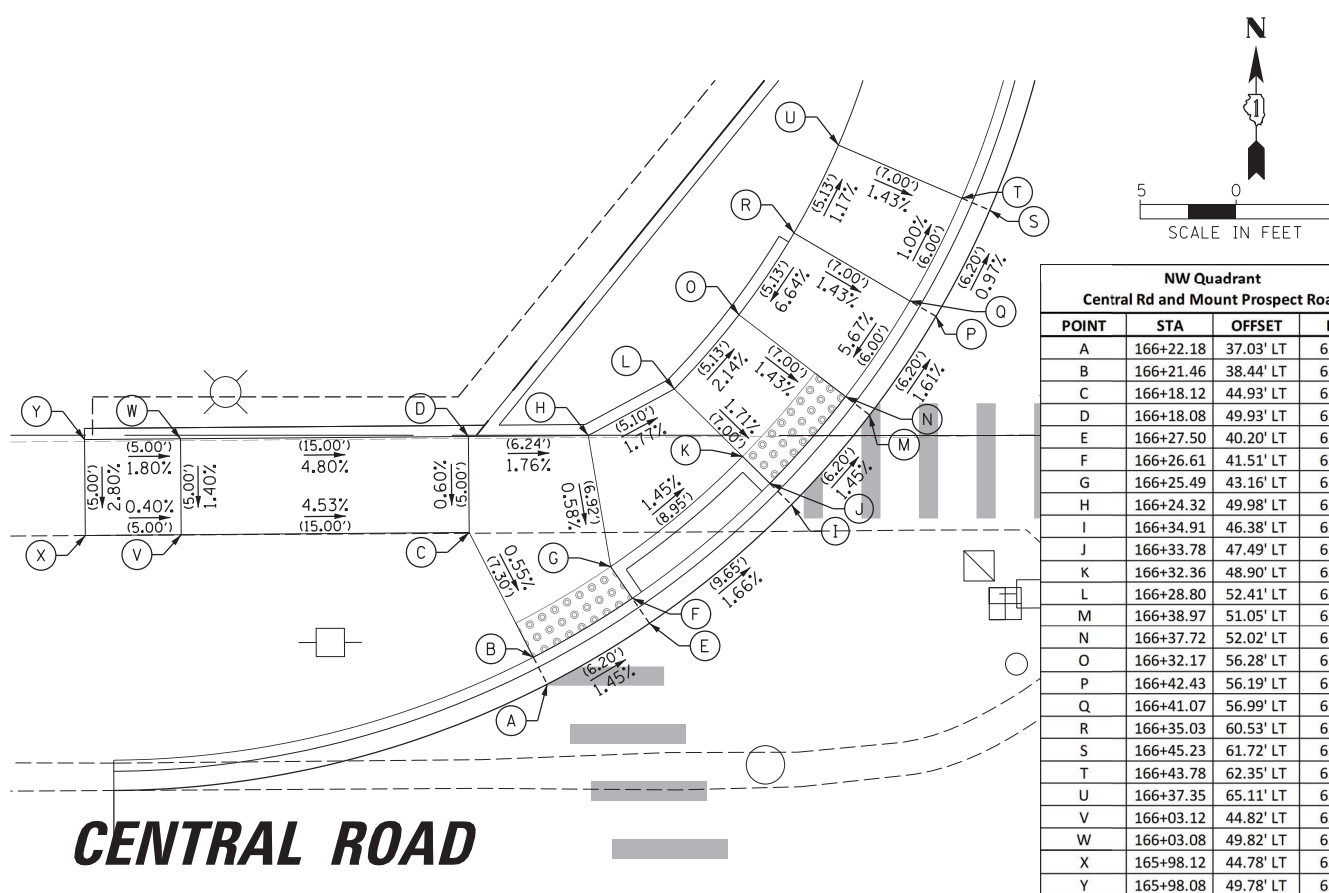
SW Quadrant Rand Rd and Mount Prospect Rd			
POINT	STA	OFFSET	ELEV
A	246+38.96	45.62' RT	654.41
B	246+38.20	47.00' RT	654.41
C	246+47.81	52.56' RT	654.48
D	246+46.64	53.63' RT	654.48
E	246+53.57	60.52' RT	654.53
F	246+52.25	61.38' RT	654.97
G	246+56.30	64.71' RT	654.55
H	246+54.97	65.57' RT	654.99
I	246+32.67	47.00' RT	654.44
J	246+32.67	55.00' RT	654.52
K	246+37.74	55.00' RT	654.55
L	246+41.49	58.37' RT	654.58
M	246+46.38	65.20' RT	655.07
N	246+49.11	69.39' RT	655.09
O	246+17.67	47.00' RT	655.52
P	246+17.67	55.00' RT	655.64
Q	246+12.67	47.00' RT	655.60
R	246+12.67	55.00' RT	655.72



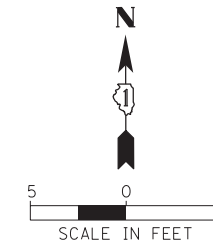
# RAND ROAD



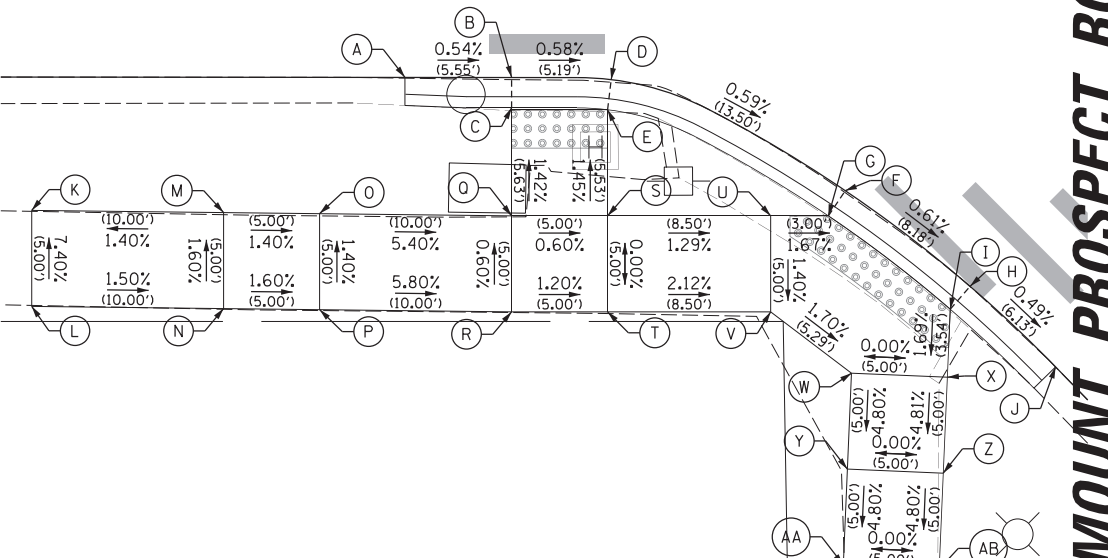
SE Quadrant Rand Rd and Mount Prospect Rd			
POINT	STA	OFFSET	ELEV
A	247+16.53	34.96' RT	654.35
B	247+18.04	36.95' RT	654.29
C	247+12.16	48.58' RT	654.50
D	247+13.79	48.08' RT	654.44
E	247+16.11	57.60' RT	654.67
F	247+17.50	56.84' RT	655.02
G	247+19.99	63.56' RT	654.82
H	247+21.32	62.70' RT	655.44
I	247+22.18	66.91' RT	654.91
J	247+23.50	66.05' RT	655.50
K	247+17.96	48.10' RT	654.46
L	247+21.02	54.92' RT	655.01
M	247+24.67	60.52' RT	655.50
N	247+26.85	63.87' RT	655.56
O	247+20.50	40.11' RT	654.35
P	247+20.47	48.11' RT	654.47
Q	247+35.50	40.18' RT	655.47
R	247+35.47	48.18' RT	655.59
S	247+40.50	40.20' RT	655.55
T	247+40.47	48.20' RT	655.67



NW Quadrant Central Rd and Mount Prospect Rd			
POINT	STA	OFFSET	ELEV
A	166+22.18	37.03' LT	657.29
B	166+21.46	38.44' LT	657.29
C	166+18.12	44.93' LT	657.33
D	166+18.08	49.93' LT	657.36
E	166+27.50	40.20' LT	657.20
F	166+26.61	41.51' LT	657.20
G	166+25.49	43.16' LT	657.21
H	166+24.32	49.98' LT	657.25
I	166+34.91	46.38' LT	657.04
J	166+33.78	47.49' LT	657.04
K	166+32.36	48.90' LT	657.08
L	166+28.80	52.41' LT	657.16
M	166+38.97	51.05' LT	656.95
N	166+37.72	52.02' LT	656.95
O	166+32.17	56.28' LT	657.05
P	166+42.43	56.19' LT	656.85
Q	166+41.07	56.99' LT	657.29
R	166+35.03	60.53' LT	657.39
S	166+45.23	61.72' LT	656.79
T	166+43.78	62.35' LT	657.23
U	166+37.35	65.11' LT	657.33
V	166+03.12	44.82' LT	658.01
W	166+03.08	49.82' LT	658.08
X	165+98.12	44.78' LT	658.03
Y	165+98.08	49.78' LT	658.17



# CENTRAL ROAD



SW Quadrant Central Rd and Mount Prospect Rd			
POINT	STA	OFFSET	ELEV
A	166+41.19	27.29' RT	657.17
B	166+46.74	27.29' RT	657.14
C	166+46.74	28.87' RT	657.14
D	166+51.93	27.40' RT	657.11
E	166+51.74	28.97' RT	657.11
F	166+64.13	33.19' RT	657.03
G	166+63.24	34.50' RT	657.03
H	166+70.62	38.17' RT	656.98
I	166+69.59	39.37' RT	656.98
J	166+75.08	42.37' RT	656.95
K	166+21.74	34.22' RT	657.69
L	166+21.74	39.22' RT	658.06
M	166+31.74	34.36' RT	657.83
N	166+31.74	39.36' RT	657.91
O	166+36.74	34.43' RT	657.76
P	166+36.74	39.43' RT	657.83
Q	166+46.74	34.50' RT	657.22
R	166+46.74	39.50' RT	657.25
S	166+51.74	34.50' RT	657.19
T	166+51.74	39.50' RT	657.19
U	166+60.24	34.50' RT	657.08
V	166+60.24	39.50' RT	657.01
W	166+64.45	42.70' RT	656.92
X	166+69.44	42.91' RT	656.92
Y	166+64.23	47.69' RT	656.68
Z	166+69.23	47.90' RT	656.68
AA	166+64.02	52.69' RT	656.44
AB	166+69.02	52.90' RT	656.44

FILE NAME =	USER NAME = rhowellindgren	DESIGNED -	REVISED -
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Default	PLOT SCALE = 5'	CHECKED -	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

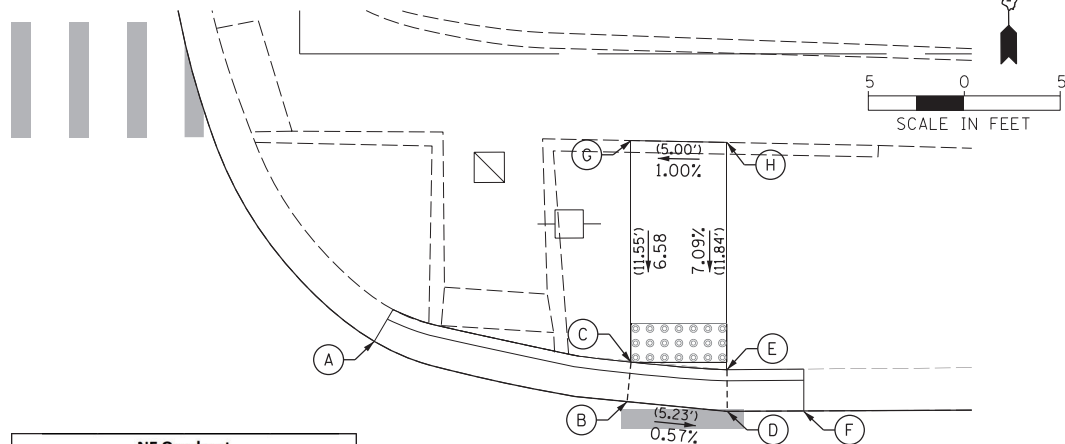
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
SIDEWALK RAMP DETAILS

SCALE: 1:5 SHEET 3 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	118
			CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT				

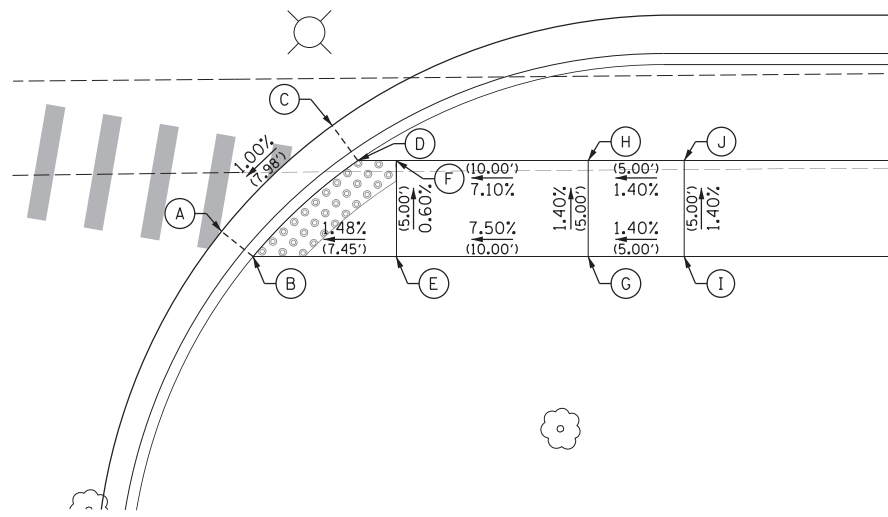
**MOUNT PROSPECT ROAD**



NE Quadrant Central Rd and Mount Prospect Road			
POINT	STA	OFFSET	ELEV
A	167+14.43	35.03' LT	657.03
B	167+27.60	31.89' LT	656.94
C	167+27.80	33.94' LT	656.91
D	167+32.81	31.38' LT	656.91
E	167+32.80	33.55' LT	656.88
F	167+36.80	31.38' LT	656.89
G	167+27.80	45.49' LT	657.67
H	167+32.80	45.39' LT	657.72
I	167+32.80	50.04' LT	657.81
J	167+27.80	50.18' LT	657.72

**CENTRAL ROAD**

**MOUNT PROSPECT ROAD**

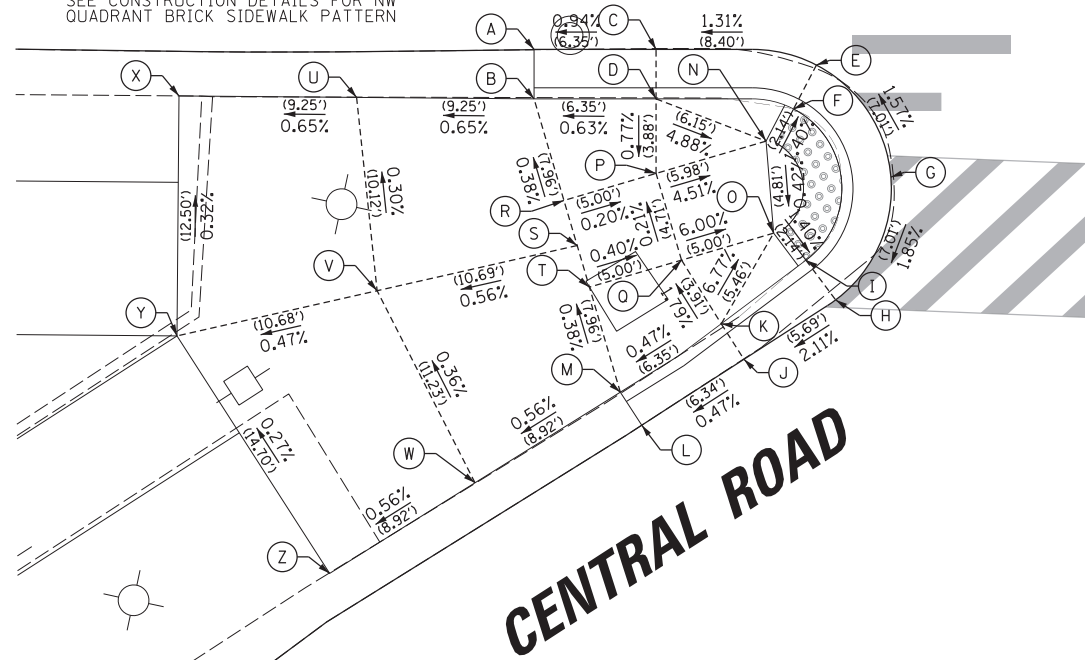


SE Quadrant Central Rd and Mount Prospect Road			
POINT	STA	OFFSET	ELEV
A	168+15.47	51.76' RT	656.01
B	168+17.12	53.08' RT	655.95
C	168+21.24	46.25' RT	656.09
D	168+22.57	48.08' RT	656.03
E	168+24.57	53.08' RT	656.06
F	168+24.57	48.08' RT	656.03
G	168+34.57	53.08' RT	656.81
H	168+34.57	48.08' RT	656.74
I	168+39.57	53.08' RT	656.88
J	168+39.57	48.08' RT	656.81

**CENTRAL ROAD**

**RAND ROAD**

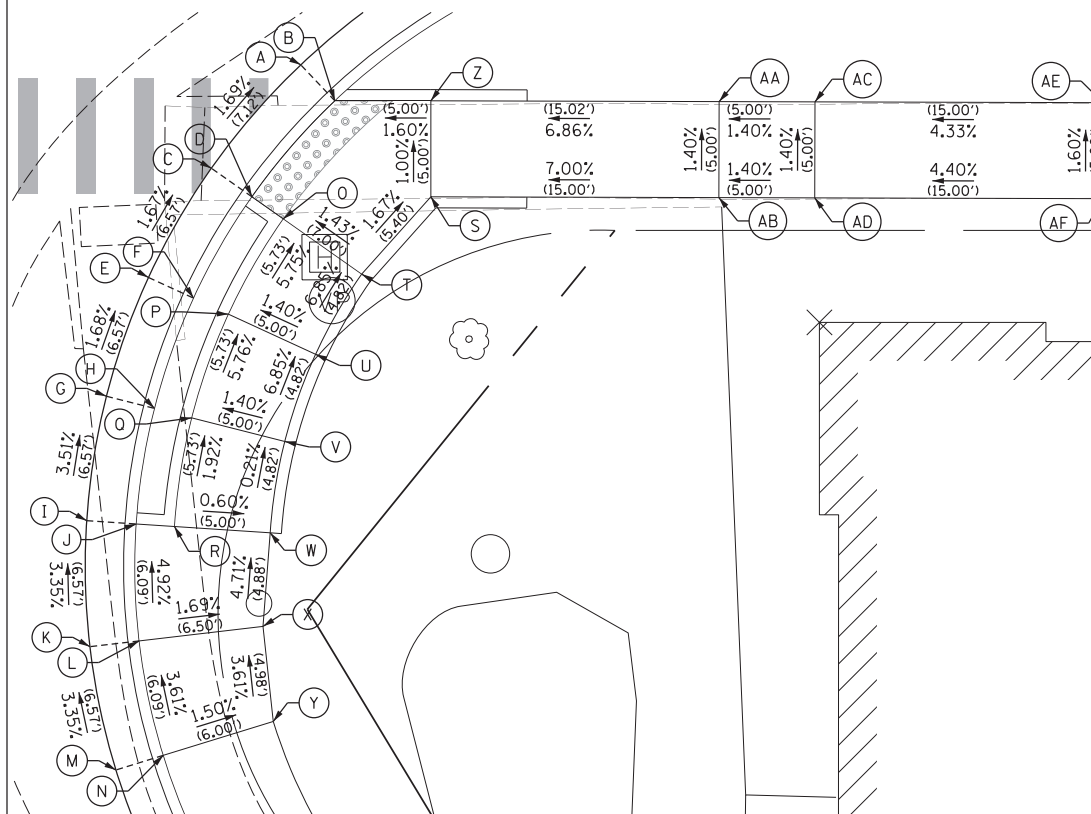
NOTE:  
SEE CONSTRUCTION DETAILS FOR NW  
QUADRANT BRICK SIDEWALK PATTERN



NW Quadrant Rand Rd and Central Rd			
POINT	STA	OFFSET	ELEV
A	250+08.29	31.43' RT	656.14
B	250+08.29	34.00' RT	656.54
C	250+14.64	31.43' RT	656.20
D	250+14.64	34.01' RT	656.58
E	250+23.00	32.25' RT	656.31
F	250+21.36	34.31' RT	656.25
G	250+26.88	38.09' RT	656.42
H	250+24.00	44.48' RT	656.29
I	250+22.05	42.72' RT	656.23
J	250+19.23	47.58' RT	656.17
K	250+18.04	45.73' RT	656.63
L	250+13.90	51.01' RT	656.14
M	250+12.78	49.29' RT	656.60
N	250+20.38	36.21' RT	656.28
O	250+20.77	41.00' RT	656.26
P	250+14.64	37.89' RT	656.55
Q	250+15.97	42.41' RT	656.56
R	250+09.85	39.30' RT	656.56
S	250+10.54	41.65' RT	656.57
T	250+11.17	43.82' RT	656.58
U	249+99.04	33.94' RT	656.48
V	250+00.11	44.00' RT	656.51
W	250+05.21	54.01' RT	656.55
X	249+89.79	33.86' RT	656.42
Y	249+89.69	46.36' RT	656.46
Z	249+97.64	58.73' RT	656.50

**CENTRAL ROAD**

**CENTRAL ROAD**



SE Quadrant Rand Rd and Central Rd			
POINT	STA	OFFSET	ELEV
A	173+23.06	41.38' RT	657.67
B	173+24.83	43.25' RT	657.61
C	173+18.40	46.76' RT	657.79
D	173+20.51	48.25' RT	657.73
E	173+15.12	52.45' RT	657.90
F	173+17.47	53.53' RT	658.06
G	173+12.93	58.64' RT	658.01
H	173+15.44	59.28' RT	658.39
I	173+11.91	65.12' RT	658.24
J	173+14.48	65.30' RT	658.54
K	173+12.07	71.69' RT	658.46
L	173+14.63	71.39' RT	658.84
M	173+13.43	78.11' RT	658.68
N	173+15.89	77.35' RT	659.06
O	173+22.14	49.40' RT	657.76
P	173+19.28	54.37' RT	658.09
Q	173+17.37	59.77' RT	658.42
R	173+16.48	65.43' RT	658.53
S	173+29.83	48.25' RT	657.74
T	173+26.23	52.28' RT	657.83
U	173+23.83	56.46' RT	658.16
V	173+22.22	61.00' RT	658.49
W	173+21.47	65.76' RT	658.50
X	173+21.09	70.63' RT	658.73
Y	173+21.63	75.58' RT	658.97
Z	173+29.83	43.25' RT	657.69
AA	173+44.85	43.29' RT	658.72
AB	173+44.83	48.29' RT	658.79
AC	173+49.85	43.31' RT	658.79
AD	173+49.83	48.31' RT	658.86
AE	173+64.85	43.35' RT	659.44
AF	173+64.83	48.35' RT	659.52

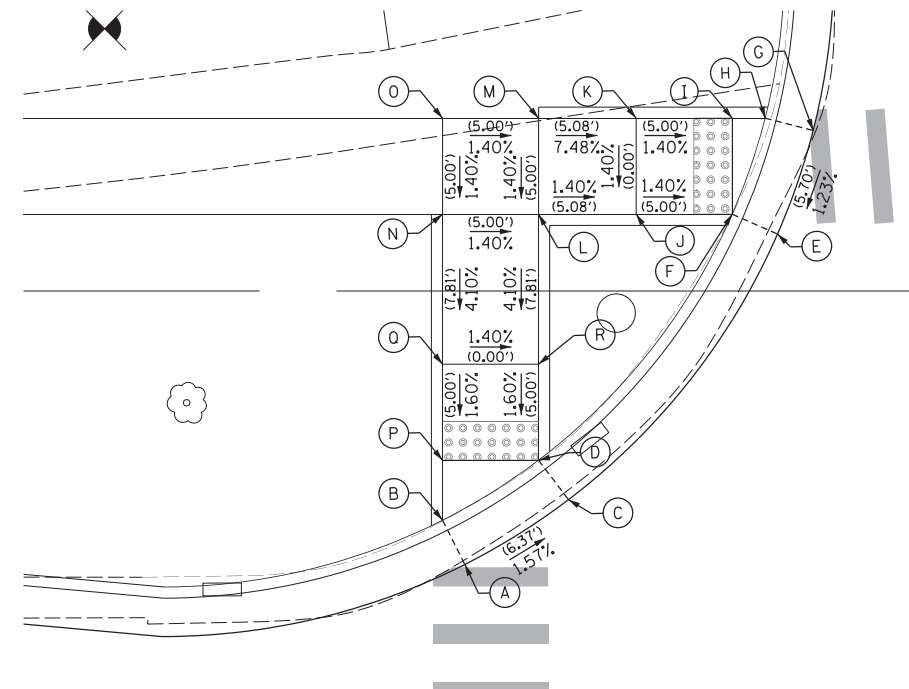
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	PLOT DATE = 5/4/2022	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

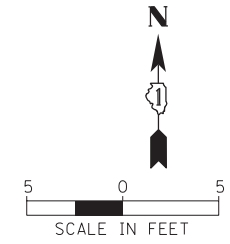
RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
SIDEWALK RAMP DETAILS

SCALE: 1:5 SHEET 4 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	119
CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT	



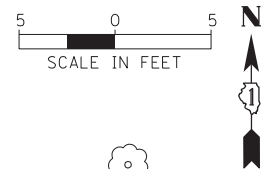
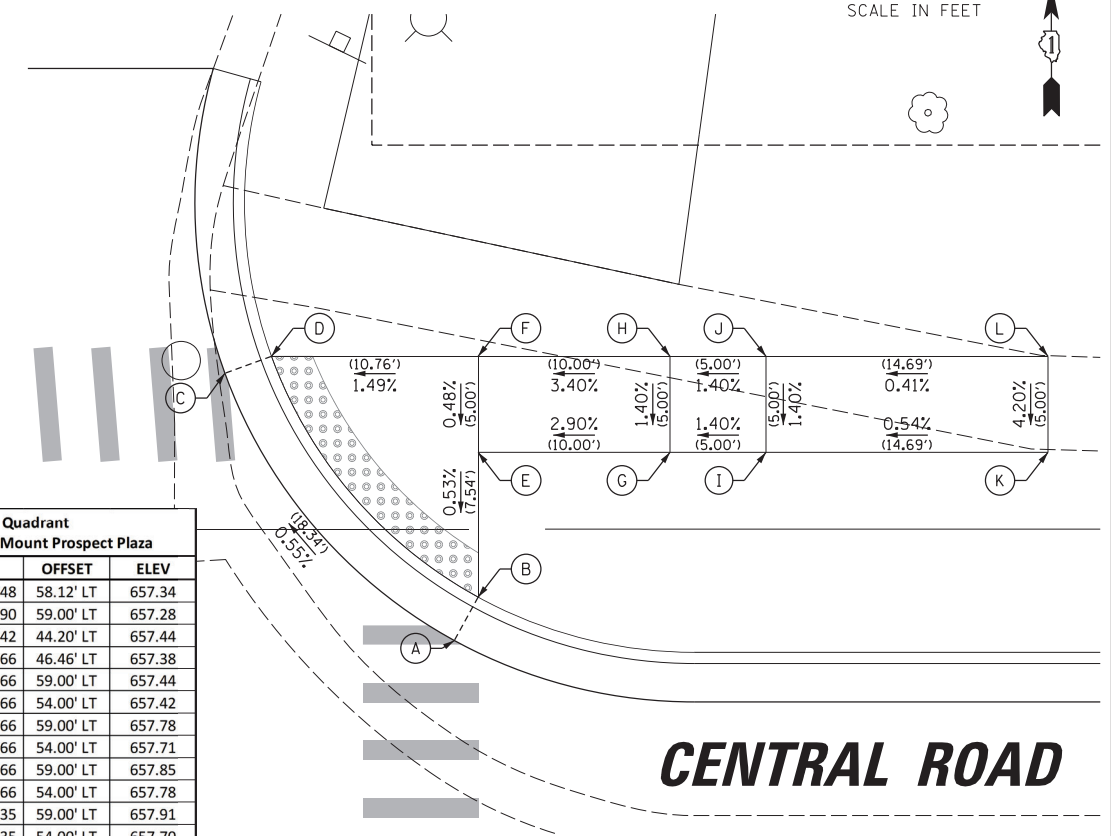
**MOUNT PROSPECT  
PLAZA ENTRANCE**



NW Quadrant Central Rd and Mount Prospect Plaza			
POINT	STA	OFFSET	ELEV
A	175+64.48	35.76' LT	657.20
B	175+63.32	38.06' LT	657.20
C	175+69.88	39.13' LT	657.10
D	175+68.32	41.19' LT	657.10
E	175+80.77	52.97' LT	657.05
F	175+78.40	54.00' LT	657.05
G	175+82.62	58.36' LT	657.12
H	175+80.12	59.00' LT	657.12
I	175+78.40	59.00' LT	657.12
J	175+73.40	54.00' LT	657.12
K	175+73.40	59.00' LT	657.19
L	175+68.32	54.00' LT	657.50
M	175+68.32	59.00' LT	657.57
N	175+63.32	54.00' LT	657.57
O	175+63.32	59.00' LT	657.64
P	175+63.32	41.19' LT	657.17
Q	175+63.32	46.19' LT	657.25
R	175+68.32	46.19' LT	657.18

**CENTRAL ROAD**

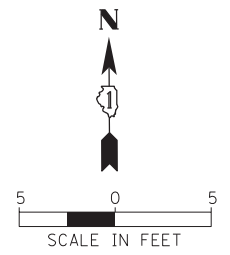
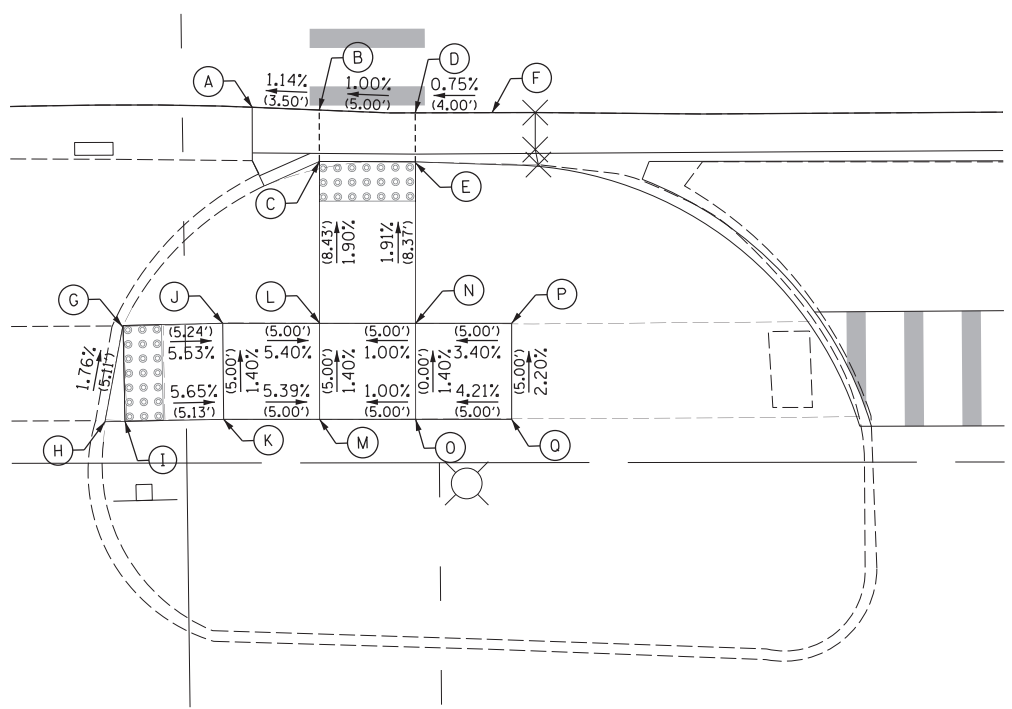
**MOUNT PROSPECT  
PLAZA ENTRANCE**



NE Quadrant Central Rd and Mount Prospect Plaza			
POINT	STA	OFFSET	ELEV
A	176+43.48	58.12' LT	657.34
B	176+45.90	59.00' LT	657.28
C	176+55.42	44.20' LT	657.44
D	176+56.66	46.46' LT	657.38
E	176+56.66	54.00' LT	657.42
F	176+56.66	54.00' LT	657.42
G	176+66.66	59.00' LT	657.78
H	176+66.66	54.00' LT	657.71
I	176+71.66	59.00' LT	657.85
J	176+71.66	54.00' LT	657.78
K	176+86.35	59.00' LT	657.91
L	176+86.35	54.00' LT	657.70

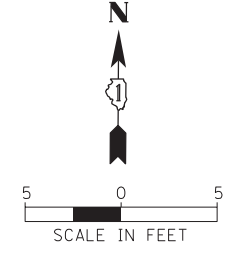
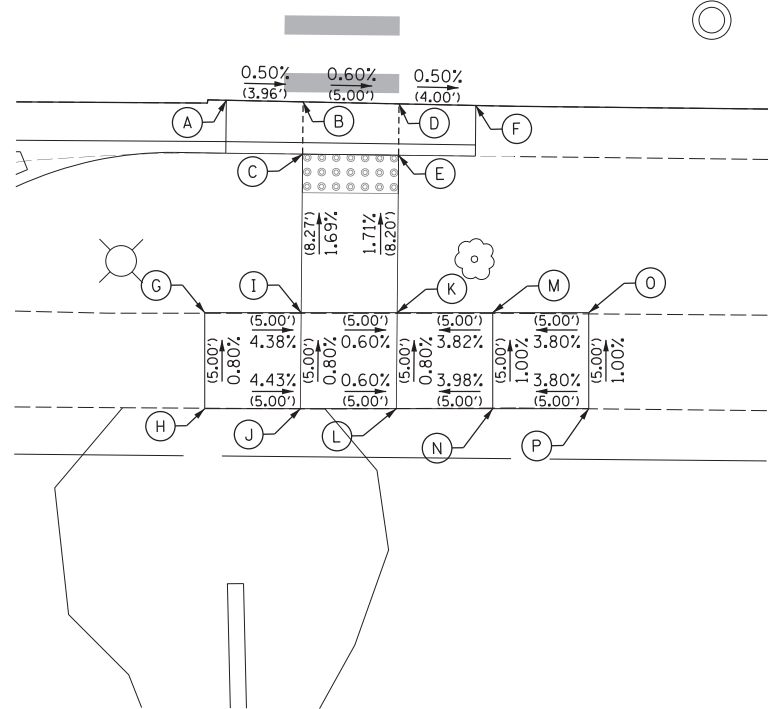
**CENTRAL ROAD**

**CENTRAL ROAD**



SW Quadrant Central Rd and Mount Prospect Plaza			
POINT	STA	OFFSET	ELEV
A	175+59.82	31.47' RT	657.66
B	175+63.32	31.62' RT	657.70
C	175+63.32	34.30' RT	657.64
D	175+68.32	31.77' RT	657.75
E	175+68.32	34.37' RT	657.69
F	175+72.32	31.77' RT	657.78
G	175+53.08	42.82' RT	658.36
H	175+52.13	47.84' RT	658.45
I	175+53.18	47.82' RT	658.43
J	175+58.32	42.72' RT	658.07
K	175+58.31	47.72' RT	658.14
L	175+63.32	42.73' RT	657.80
M	175+63.32	47.73' RT	657.87
N	175+68.32	42.74' RT	657.85
O	175+68.32	47.74' RT	657.92
P	175+73.32	42.74' RT	658.02
Q	175+73.31	47.74' RT	658.13

**CENTRAL ROAD**



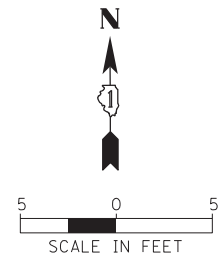
SE Quadrant Central Rd and Mount Prospect Plaza			
POINT	STA	OFFSET	ELEV
A	176+47.70	31.45' RT	657.63
B	176+51.66	31.51' RT	657.61
C	176+51.66	34.23' RT	657.61
D	176+56.66	31.57' RT	657.58
E	176+56.66	34.25' RT	657.58
F	176+60.66	31.62' RT	657.56
G	176+46.64	42.54' RT	657.97
H	176+46.69	47.54' RT	658.01
I	176+51.66	42.50' RT	657.75
J	176+51.66	47.50' RT	657.79
K	176+56.66	42.45' RT	657.72
L	176+56.66	47.45' RT	657.76
M	176+61.64	42.41' RT	657.91
N	176+61.69	47.41' RT	657.96
O	176+66.64	42.36' RT	658.10
P	176+66.69	47.36' RT	658.15

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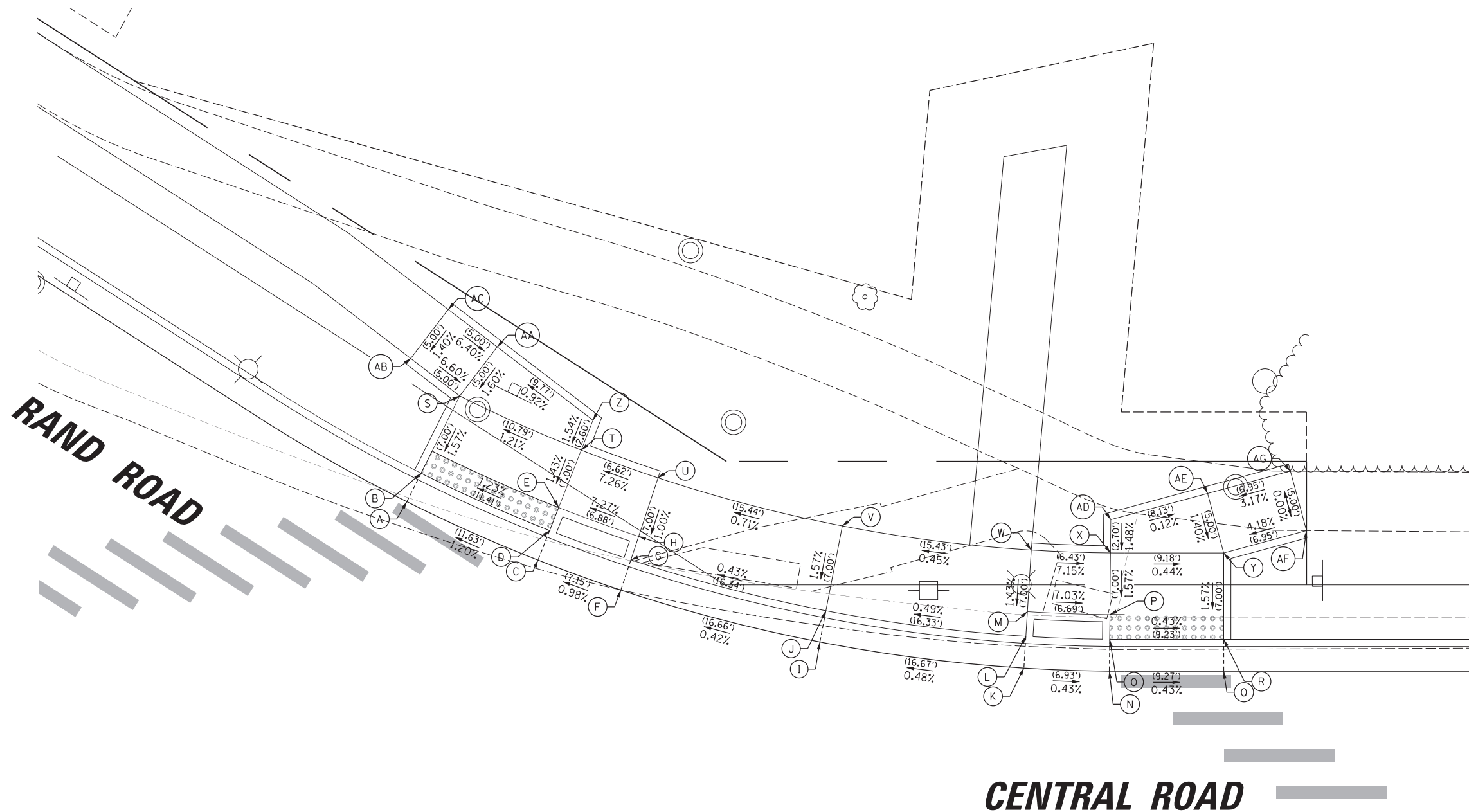
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>RAND RD. - CENTRAL RD. - MOUNT PROSPECT RD. IMPROVEMENTS</b>	
<b>SIDEWALK RAMP DETAILS</b>	
SCALE: 1:5	SHEET 5 OF 10 SHEETS STA. TO STA.

F.A.P. RTE. 334	SECTION 17-00166-00-CH	COUNTY COOK	TOTAL SHEETS 264	SHEET NO. 120
CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT	



NE Quadrant Rand Rd and Central Rd			
POINT	STA	OFFSET	ELEV
A	251+11.95	41.75' LT	656.88
B	251+11.67	44.31' LT	656.82
C	251+23.45	43.51' LT	657.02
D	251+22.95	46.04' LT	656.96
E	251+22.56	48.01' LT	656.99
F	251+30.42	45.10' LT	657.09
G	251+29.77	47.60' LT	657.47
H	251+29.27	49.54' LT	657.49
I	251+46.25	50.28' LT	657.16
J	251+45.30	52.68' LT	657.54
K	251+61.30	57.45' LT	657.24
L	251+60.04	59.70' LT	657.62
M	251+59.07	61.45' LT	657.65
N	251+67.26	60.98' LT	657.21
O	251+65.89	63.17' LT	657.15
P	251+64.82	64.86' LT	657.18
Q	251+75.06	65.99' LT	657.17
R	251+73.66	68.16' LT	657.11
S	251+10.92	51.27' LT	656.93
T	251+21.58	52.91' LT	657.06
U	251+28.03	54.38' LT	657.54
V	251+42.70	59.18' LT	657.65
W	251+56.63	65.81' LT	657.72
X	251+62.16	69.09' LT	657.26
Y	251+69.88	74.05' LT	657.22
Z	251+21.07	55.46' LT	657.10
AA	251+11.33	56.26' LT	657.01
AB	251+05.94	51.68' LT	657.26
AC	251+06.35	56.67' LT	657.33
AD	251+60.72	71.37' LT	657.30
AE	251+66.17	77.40' LT	657.29
AF	251+74.54	79.20' LT	657.51
AH	251+70.83	82.55' LT	657.51



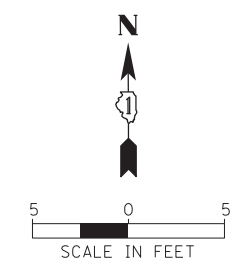
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

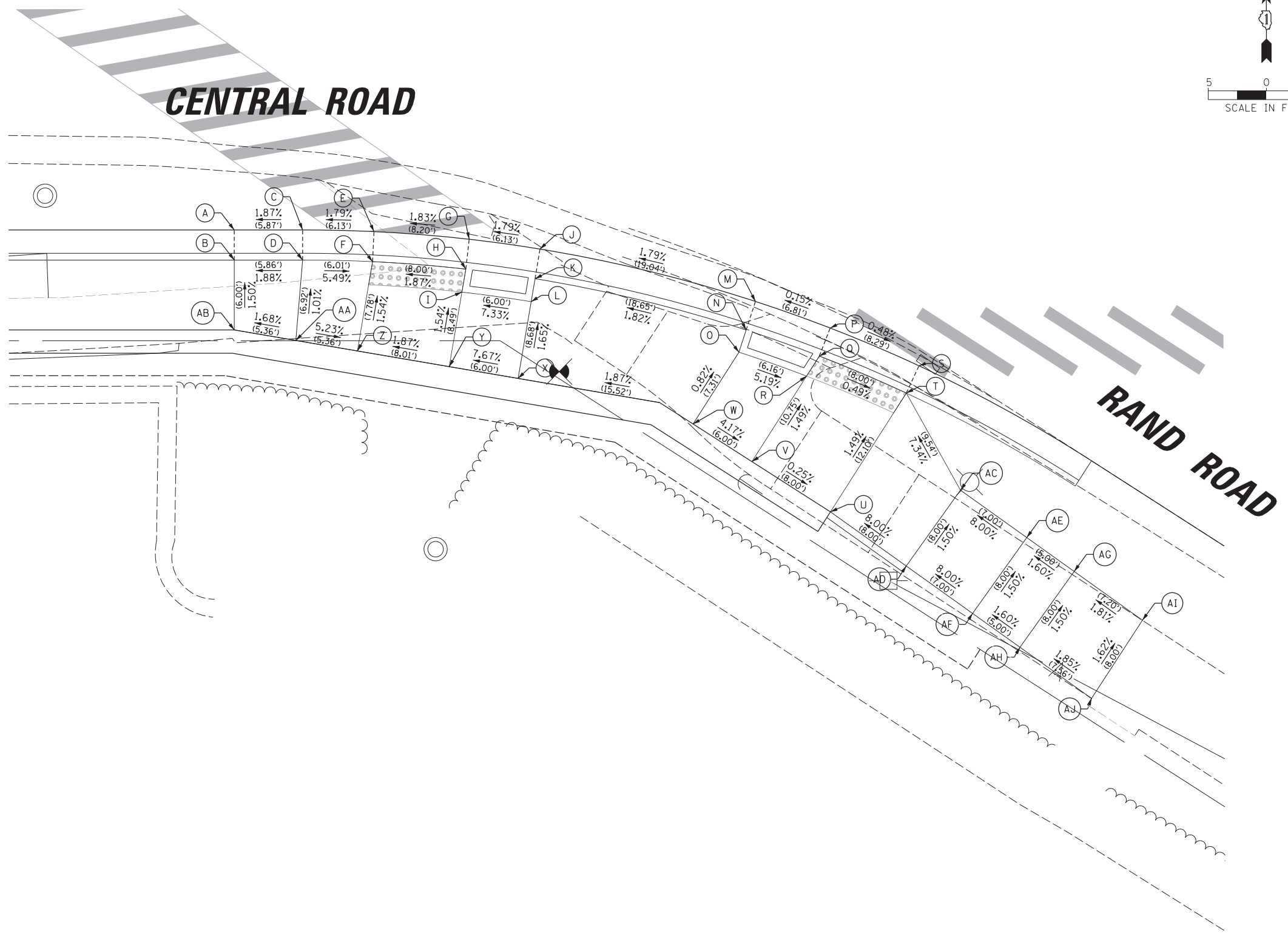
**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
SIDEWALK RAMP DETAILS**

SCALE: 1:5    SHEET 6 OF 10 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	121
CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT	



SW Quadrant Central Rd and Mount Prospect Plaza			
POINT	STA	OFFSET	ELEV
A	251+42.28	54.35' RT	656.76
B	251+43.68	56.52' RT	657.14
C	251+47.22	51.18' RT	656.87
D	251+48.61	53.35' RT	657.25
E	251+52.45	47.98' RT	656.98
F	251+53.74	50.21' RT	656.92
G	251+59.68	44.11' RT	657.13
H	251+60.82	46.42' RT	657.07
I	251+61.61	48.27' RT	657.10
J	251+65.24	41.53' RT	657.24
K	251+66.27	43.90' RT	657.54
L	251+67.05	45.74' RT	657.54
M	251+83.24	35.31' RT	657.58
N	251+83.89	37.80' RT	657.88
O	251+84.40	39.74' RT	657.88
P	251+89.87	33.76' RT	657.59
Q	251+90.39	36.28' RT	657.53
R	251+90.40	38.33' RT	657.56
S	251+98.04	32.36' RT	657.55
T	251+98.39	34.92' RT	657.49
U	251+98.42	47.02' RT	657.67
V	251+90.42	47.09' RT	657.69
W	251+84.42	47.05' RT	657.94
X	251+69.67	51.89' RT	657.65
Y	251+64.15	54.24' RT	657.19
Z	251+56.78	57.37' RT	657.04
AA	251+51.85	59.47' RT	657.32
AB	251+46.92	61.57' RT	657.23
AC	252+06.80	39.42' RT	658.19
AD	252+06.41	47.41' RT	658.31
AE	252+13.79	39.76' RT	658.75
AF	252+13.40	47.75' RT	658.87
AH	252+18.79	40.00' RT	658.83
AI	252+18.39	47.99' RT	658.95
AJ	252+25.98	40.36' RT	658.96
AK	252+25.94	48.36' RT	659.09



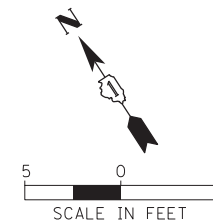
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

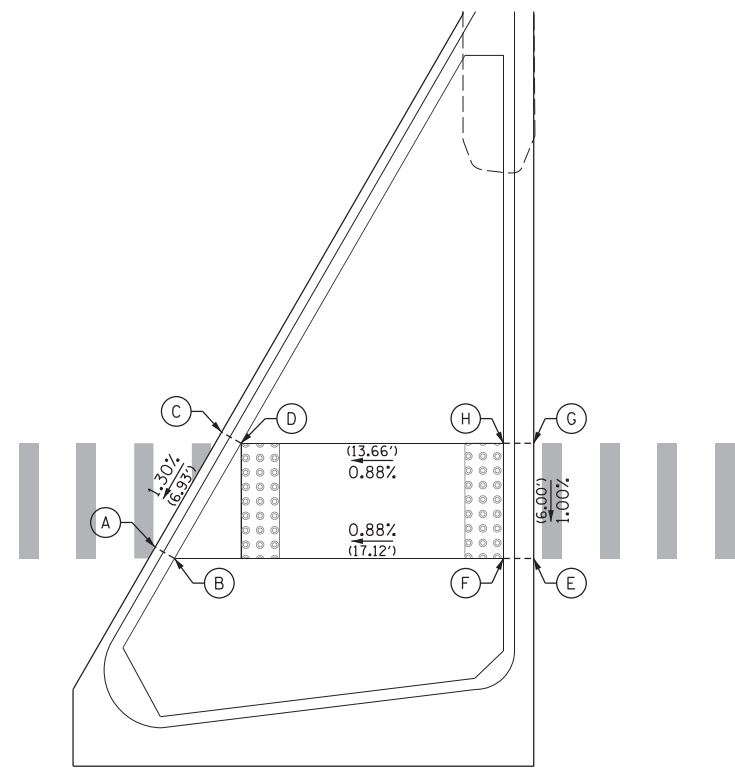
**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
SIDEWALK RAMP DETAILS**

SCALE: 1:5    SHEET 7 OF 10 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	122
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	



**MOUNT PROSPECT  
PLAZA ENTRANCE**



**RAND ROAD**

North Median Island Rand Rd and Mount Prospect Plaza			
POINT	STA	OFFSET	ELEV
A	246+33.98	55.40' LT	653.47
B	246+34.99	54.82' LT	653.49
C	246+37.44	61.40' LT	653.56
D	246+38.45	60.82' LT	653.58
E	246+53.69	54.82' LT	653.62
F	246+52.11	54.82' LT	653.64
G	246+53.69	60.82' LT	653.68
H	246+52.11	60.82' LT	653.70

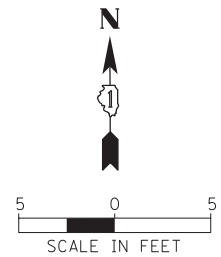
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

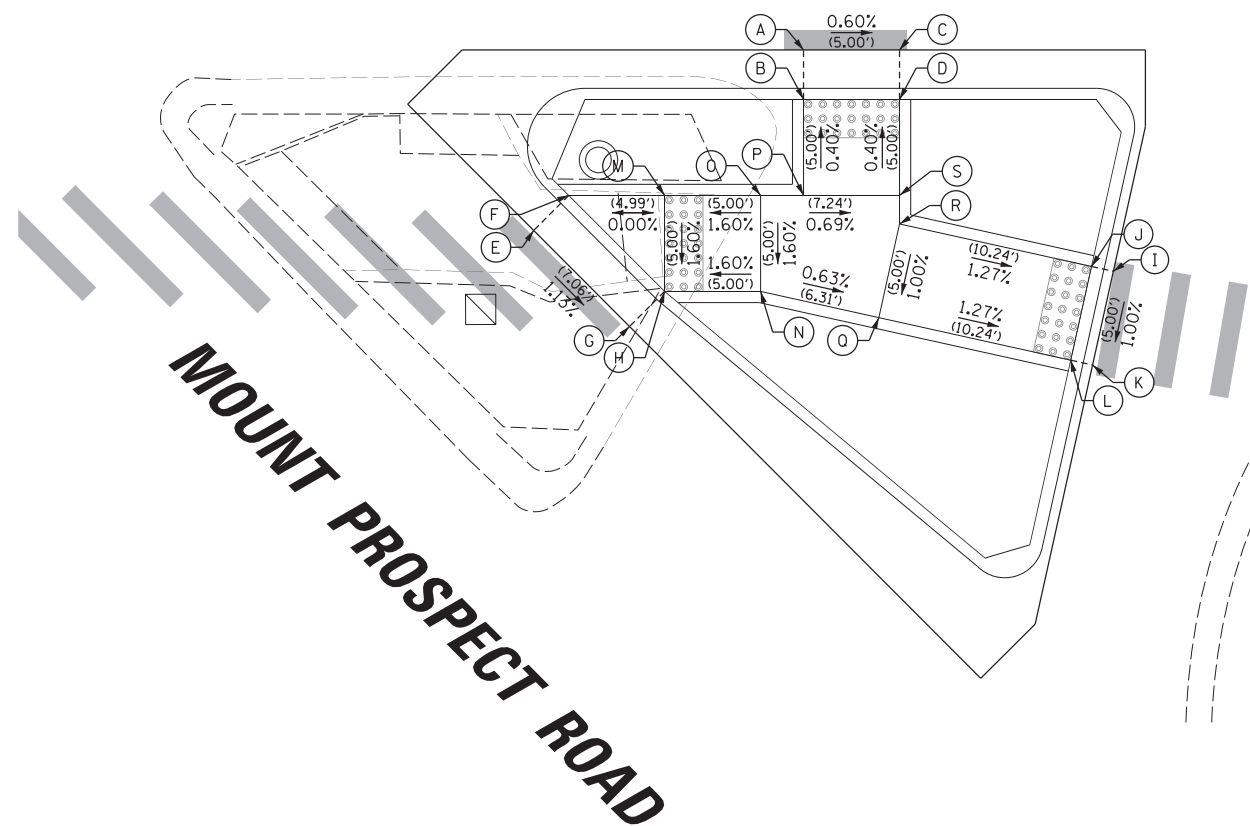
**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
SIDEWALK RAMP DETAILS**

SCALE: 1:5 SHEET 8 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	123
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	



# CENTRAL ROAD



Median Island Central Rd and Mount Prospect Road			
POINT	STA	OFFSET	ELEV
A	167+63.50	29.50' RT	656.73
B	167+63.50	32.08' RT	656.67
C	167+68.50	29.50' RT	656.70
D	167+68.50	32.08' RT	656.64
E	167+49.45	38.90' RT	656.69
F	167+51.27	37.08' RT	656.63
G	167+54.44	43.90' RT	656.61
H	167+56.26	42.08' RT	656.55
I	167+79.64	41.03' RT	656.51
J	167+78.50	40.78' RT	656.51
K	167+78.56	45.91' RT	656.46
L	167+77.42	45.66' RT	656.46
M	167+56.26	37.08' RT	656.63
N	167+61.26	42.08' RT	656.63
O	167+61.26	37.08' RT	656.71
P	167+63.50	37.08' RT	656.69
Q	167+67.42	43.45' RT	656.59
R	167+68.50	38.56' RT	656.64
S	167+68.50	37.08' RT	656.66

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

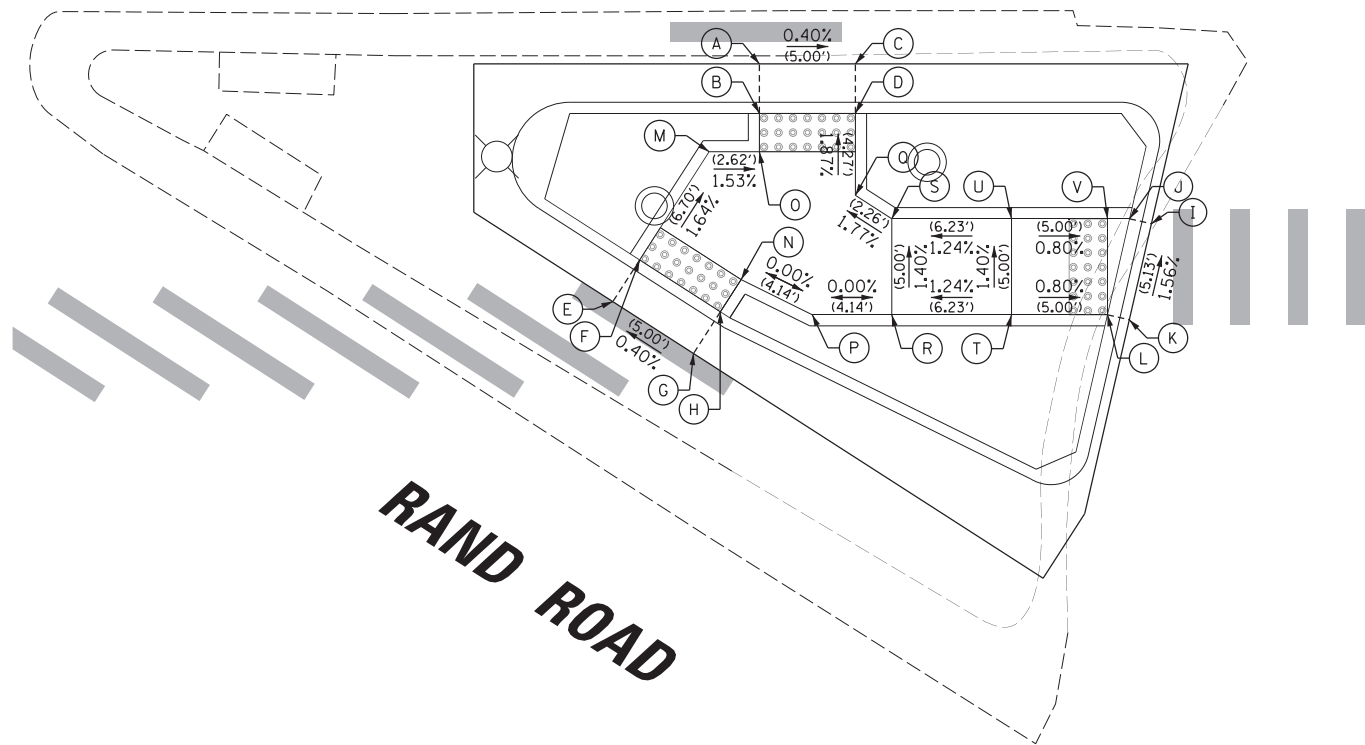
**RAND RD. - CENTRAL RD. - MOUNT PROSPECT RD. IMPROVEMENTS  
SIDEWALK RAMP DETAILS**

SCALE: 1:5      SHEET 9 OF 10 SHEETS      STA.      TO STA.

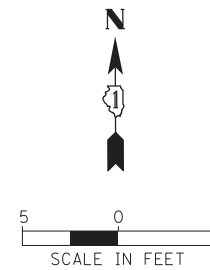
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334	17-00166-00-CH	COOK	264	124
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	



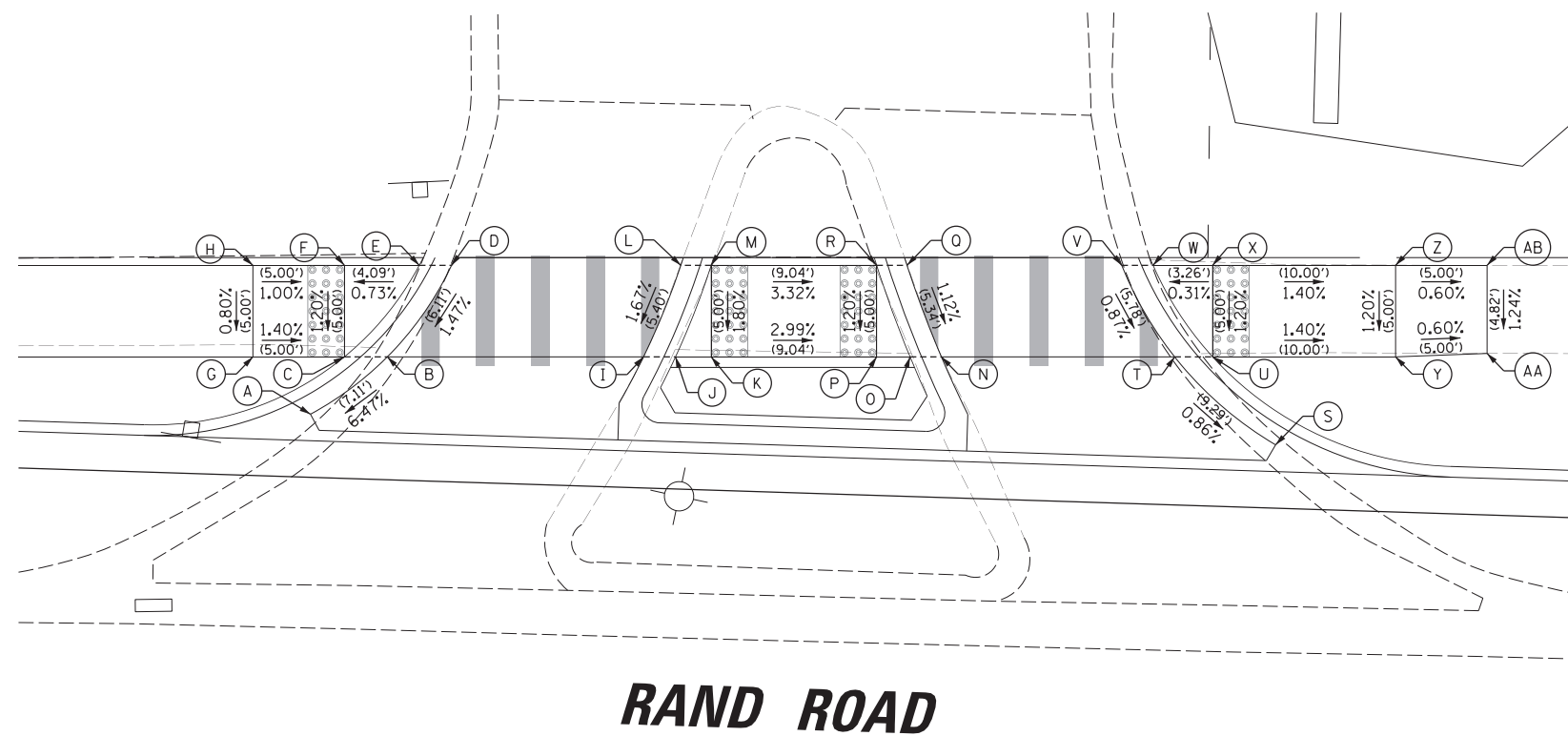
**CENTRAL ROAD**



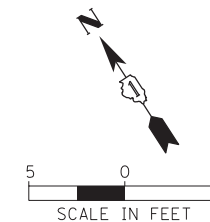
Median Island Rand Rd and Central Rd			
POINT	STA	OFFSET	ELEV
A	172+56.82	34.50' RT	658.21
B	172+56.82	37.08' RT	658.21
C	172+61.82	34.50' RT	658.19
D	172+61.82	37.08' RT	658.19
E	172+49.19	46.89' RT	658.46
F	172+50.58	44.72' RT	658.40
G	172+53.39	49.59' RT	658.48
H	172+54.79	47.42' RT	658.42
I	172+77.24	42.83' RT	658.35
J	172+76.10	42.57' RT	658.35
K	172+76.09	47.83' RT	658.43
L	172+74.95	47.57' RT	658.43
M	172+54.20	39.08' RT	658.28
N	172+55.87	45.74' RT	658.38
O	172+56.82	39.08' RT	658.25
P	172+59.58	47.57' RT	658.38
Q	172+61.82	41.35' RT	658.27
R	172+63.72	47.57' RT	658.38
S	172+63.72	42.57' RT	658.31
T	172+69.95	47.57' RT	658.47
U	172+69.95	42.57' RT	658.40
V	172+74.95	42.57' RT	658.36



**RAND ROAD**



BMO Harris Driveway Rand Rd			
POINT	STA	OFFSET	ELEV
A	259+09.69	40.63' LT	658.86
B	259+15.60	44.58' LT	659.32
C	259+13.25	44.58' LT	659.32
D	259+19.11	49.58' LT	659.41
E	259+17.34	49.58' LT	659.41
F	259+13.25	49.58' LT	659.38
G	259+08.25	44.58' LT	659.39
H	259+08.25	49.58' LT	659.43
I	259+29.60	44.58' LT	658.99
J	259+31.35	44.58' LT	658.99
K	259+33.30	44.58' LT	658.99
L	259+31.63	49.58' LT	659.08
M	259+33.30	49.58' LT	659.08
N	259+45.88	44.58' LT	658.72
O	259+44.16	44.58' LT	658.72
P	259+42.34	44.58' LT	658.72
Q	259+44.00	49.58' LT	658.78
R	259+42.34	49.58' LT	658.78
S	259+65.93	38.84' LT	658.45
T	259+58.62	44.58' LT	658.53
U	259+60.70	44.58' LT	658.53
V	259+55.73	49.58' LT	658.58
W	259+57.44	49.58' LT	658.58
X	259+60.70	49.58' LT	658.59
Y	259+70.70	44.58' LT	658.39
Z	259+70.70	49.58' LT	658.45
AA	259+75.70	44.76' LT	658.36
AB	259+75.70	49.58' LT	658.42



**RAND ROAD**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
SIDEWALK RAMP DETAILS**

SCALE: 1:5 SHEET 10 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	125
CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT	

# TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

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PLOT DATE = 3/4/2019	DATE - 9/29/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

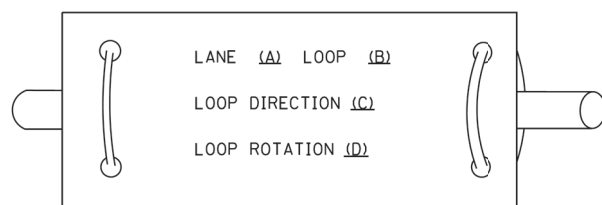
SCALE: NONE    SHEET 1 OF 7 SHEETS    STA.    TO STA.

F.A.P. RTE. 334	SECTION 17-00166-00-CH	COUNTY COOK	TOTAL SHEETS 264	SHEET NO. 126
<b>TS-05</b>		CONTRACT NO. 61H44		
ILLINOIS   FED. AID PROJECT				

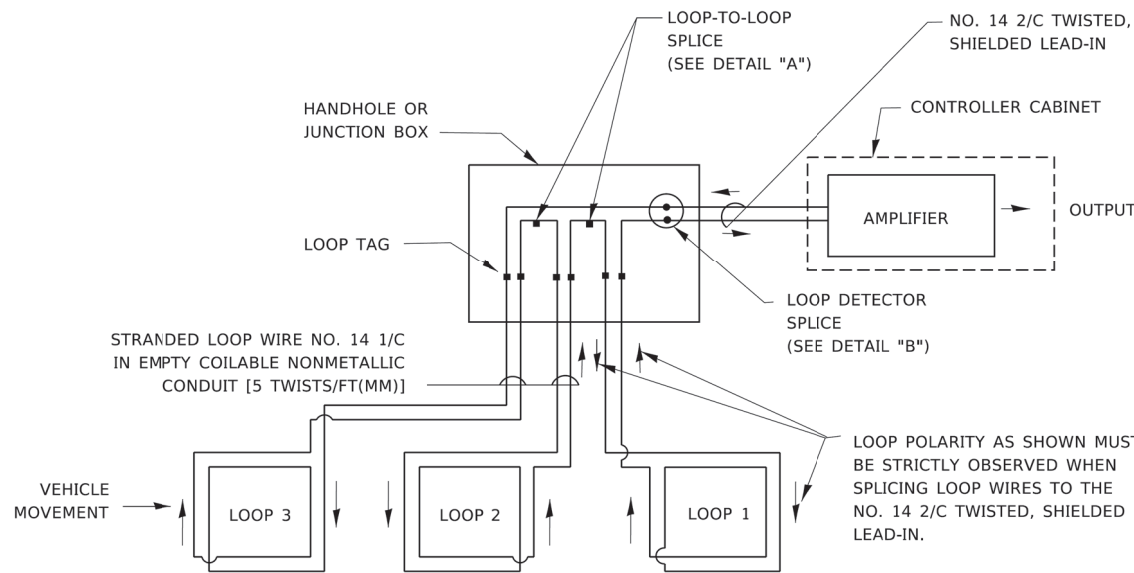
**LOOP DETECTOR NOTES**

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

**LOOP LEAD-IN CABLE TAG**

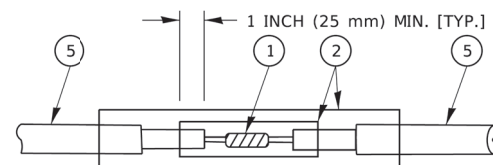


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

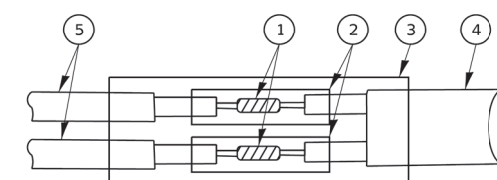


**DETECTOR LOOP WIRING SCHEMATIC**

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

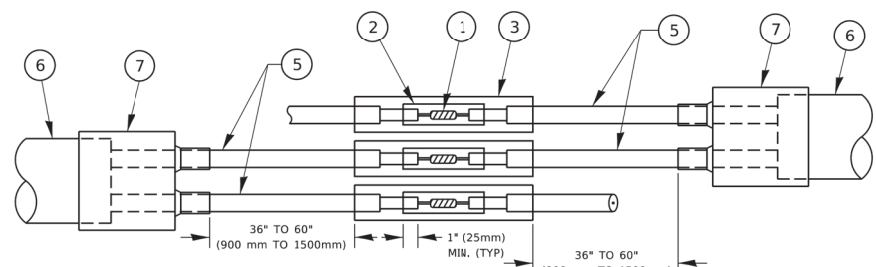


DETAIL "A"  
LOOP-TO-LOOP SPLICE

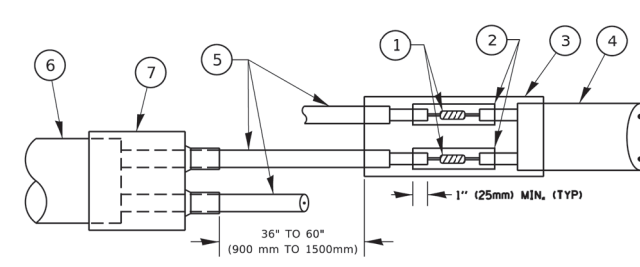


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

**LOOP DETECTOR SPLICE**

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

chowell@ogr.com

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

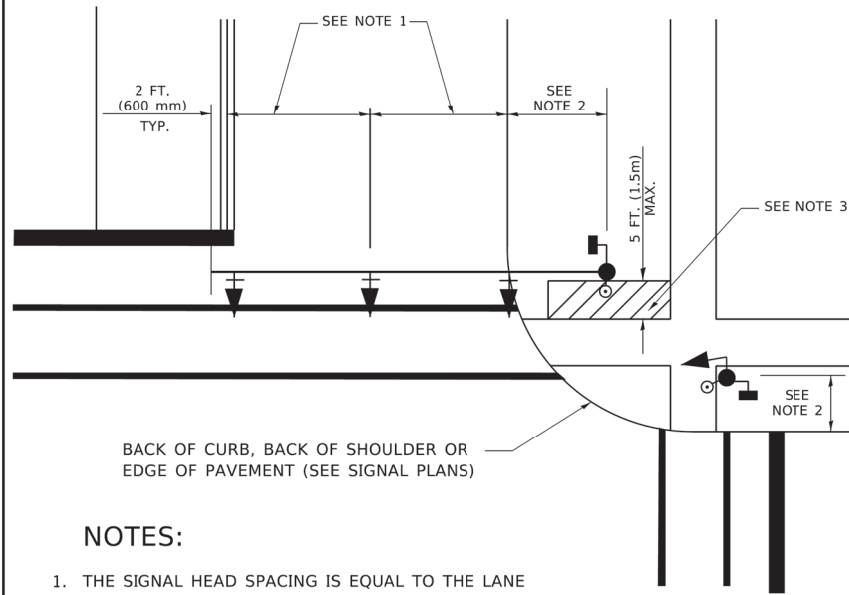
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	127
TS-05			CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT				

**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

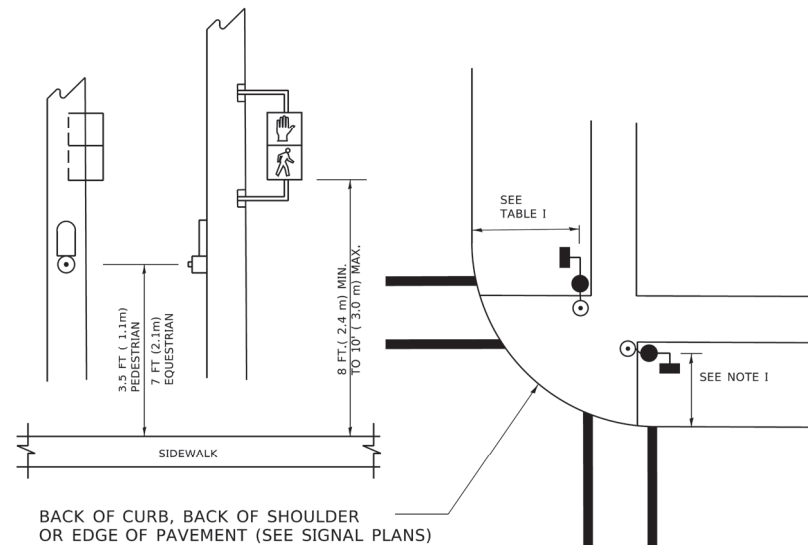
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**NOTES:**

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

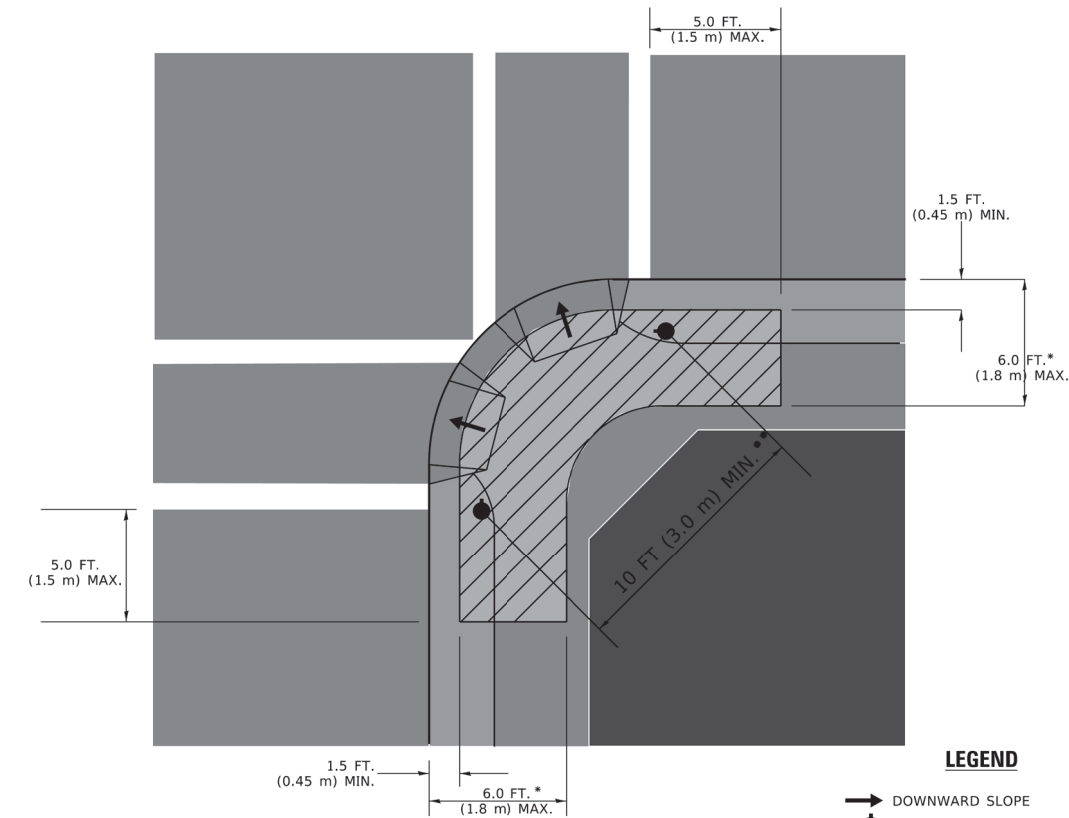
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

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

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

**NOTES:**

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

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

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

**NOTES:**

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

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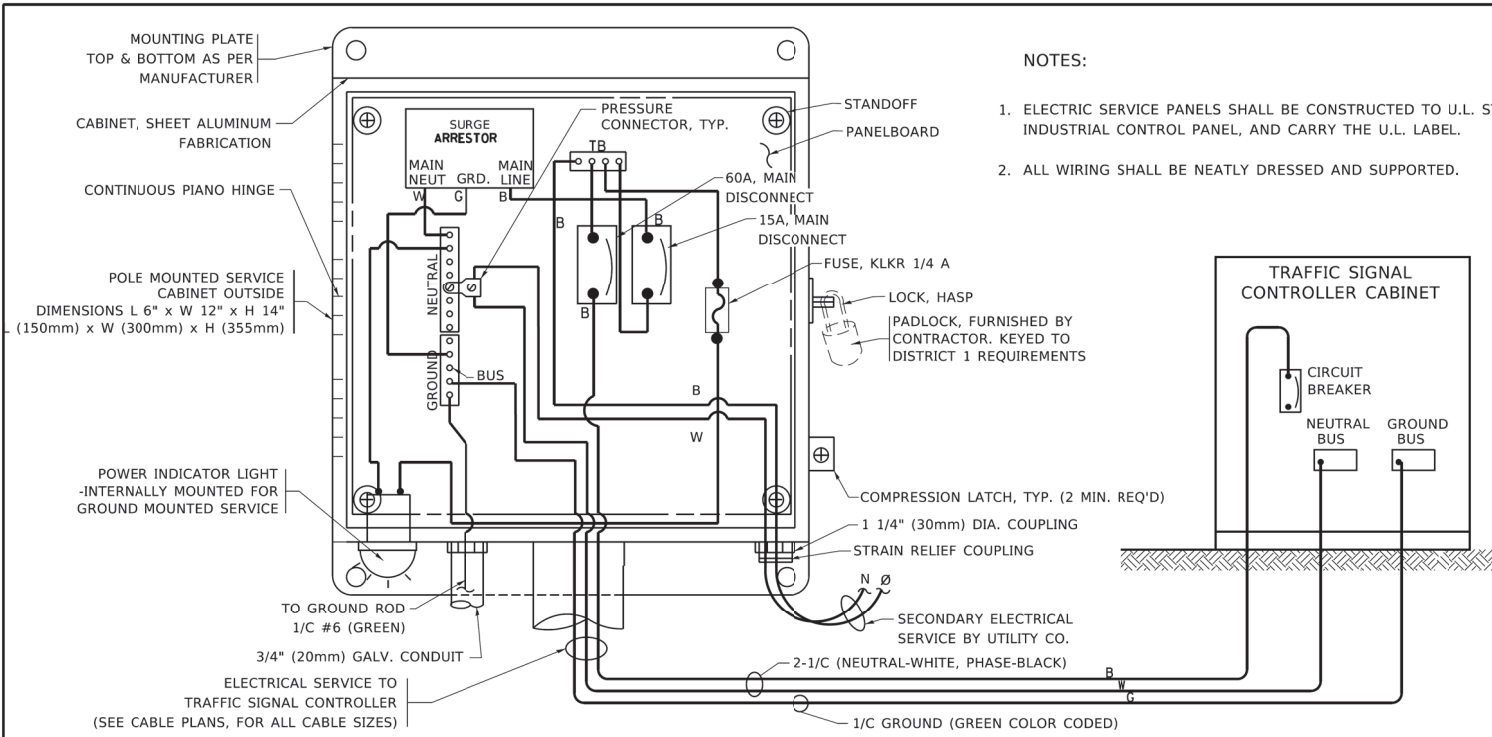
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

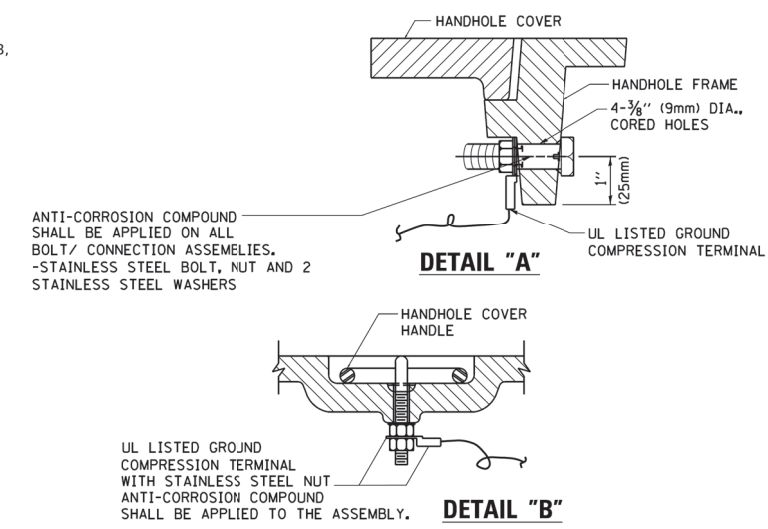
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE. 334	SECTION 17-00166-00-CH	COUNTY COOK	TOTAL SHEETS 264	SHEET NO. 128
<b>TS-05</b>		CONTRACT NO. 61H44		
ILLINOIS FED. AID PROJECT				

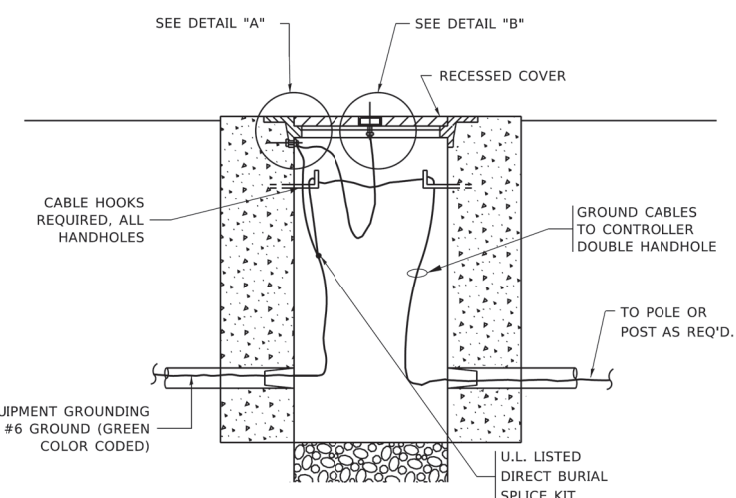


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (NOT TO SCALE)

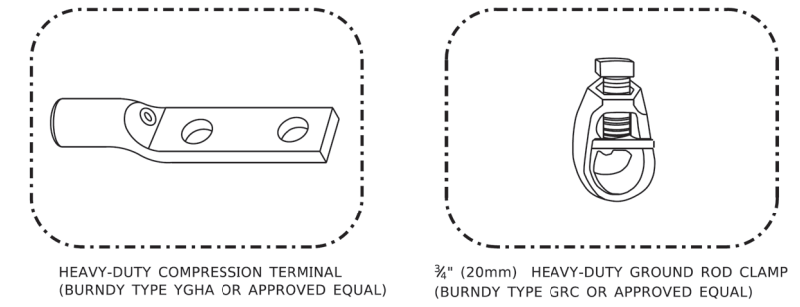


**NOTES:**  
**GROUNDING SYSTEM**

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

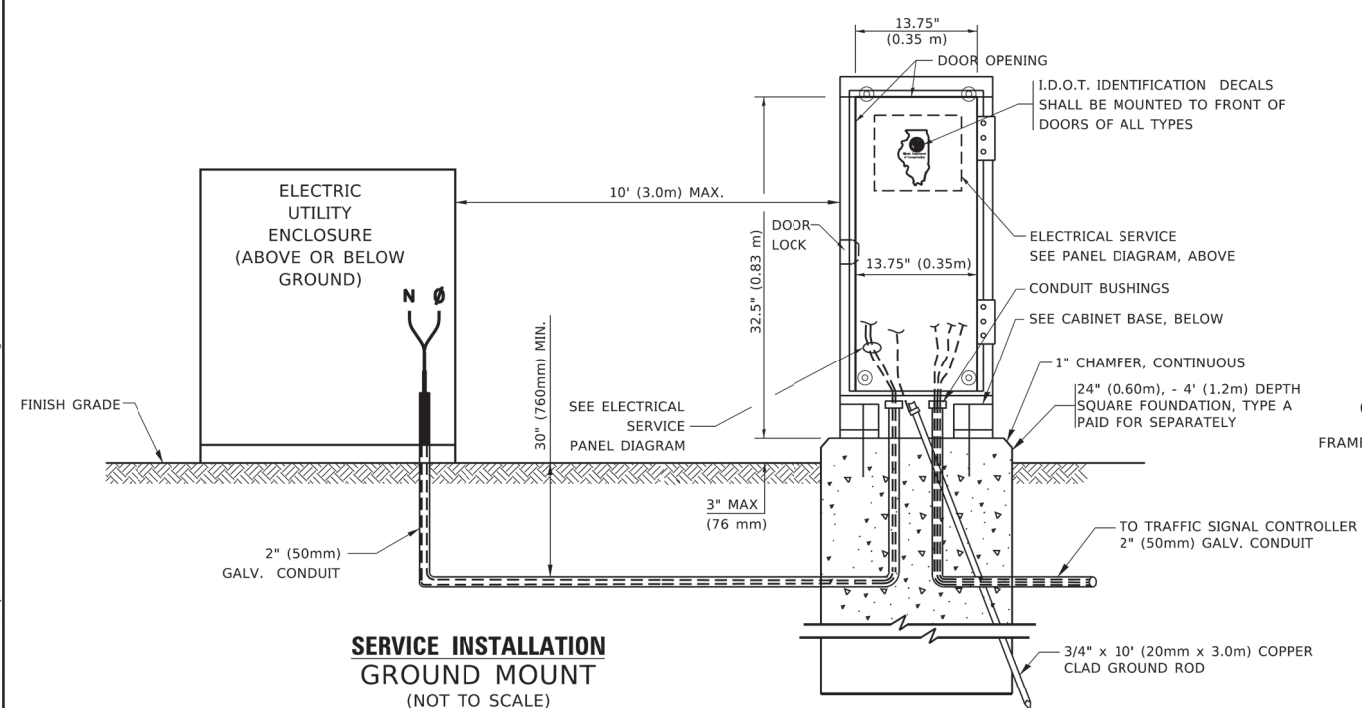


**HANDHOLE COVER & FRAME – GROUNDING DETAIL**  
 (NOT TO SCALE)

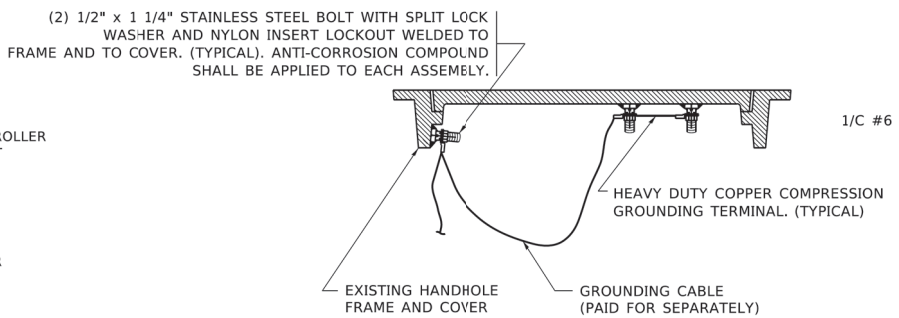


**NOTES:**

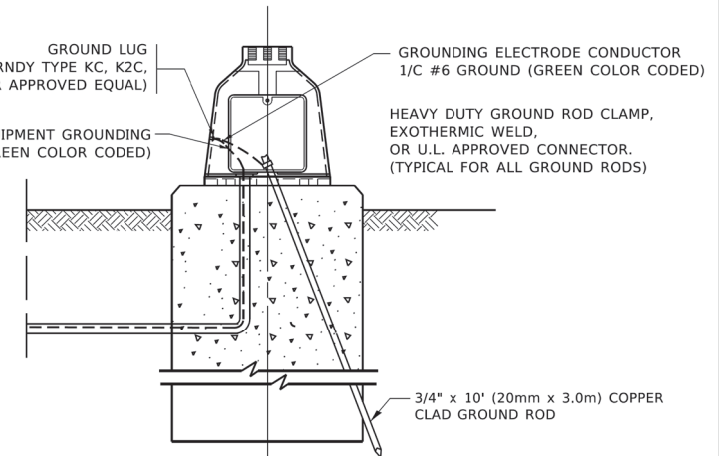
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES  
 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES  
 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.  
 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



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

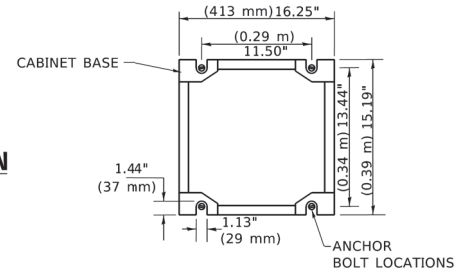


**EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL**  
 (NOT TO SCALE)



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

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



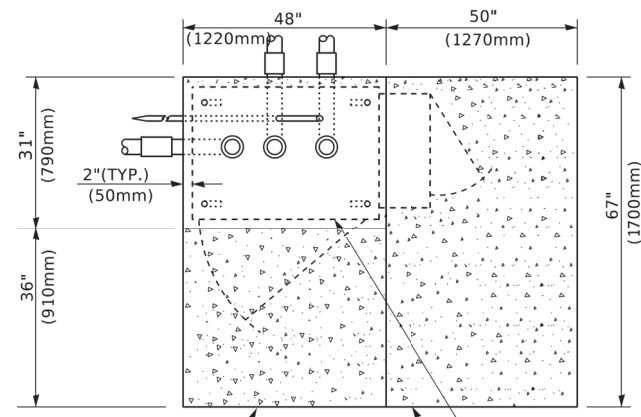
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

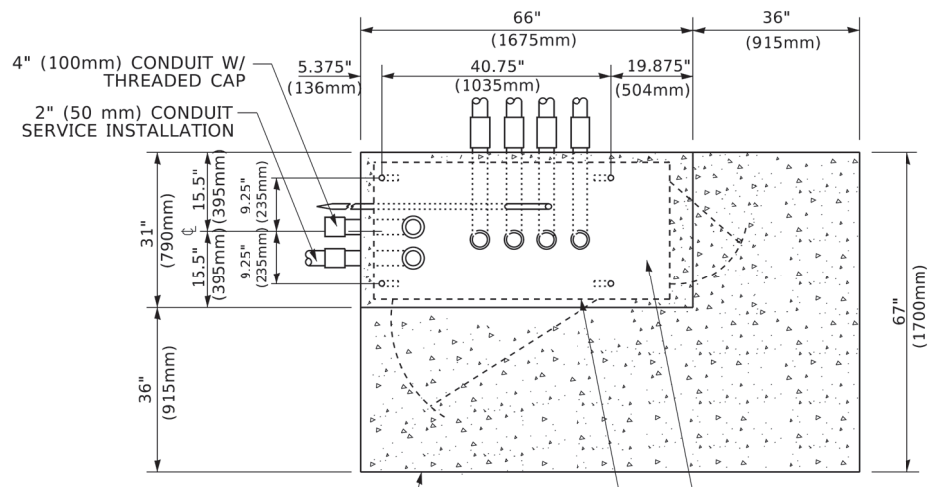
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334	17-00166-00-CH	COOK	264	129
TS-05			CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT				

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

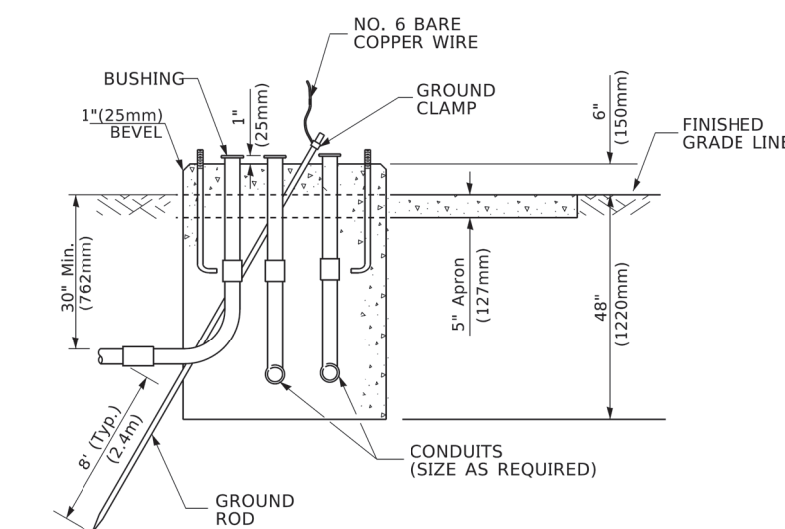
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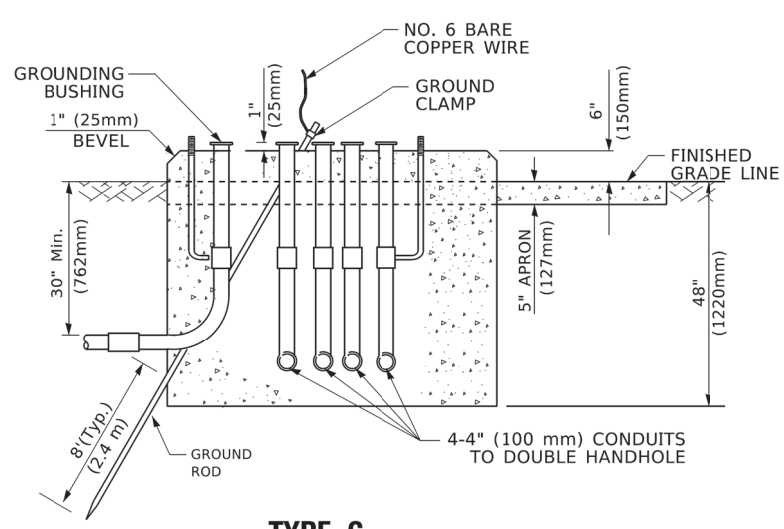
**TOP VIEW**



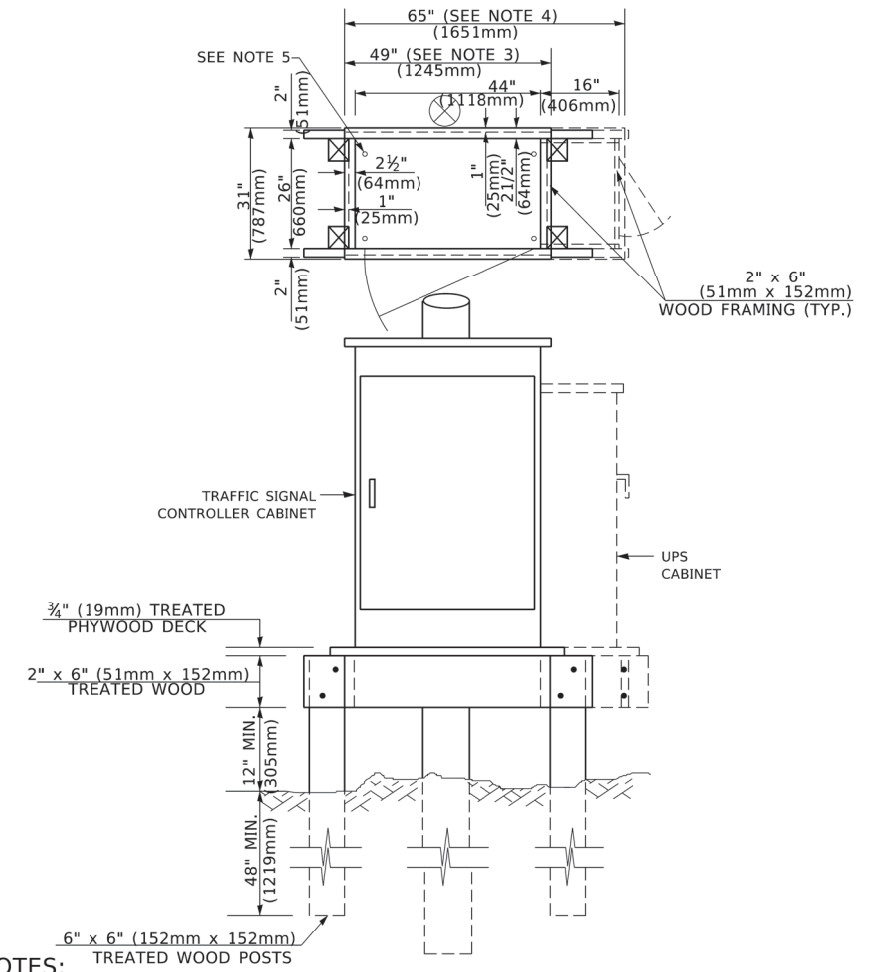
**TOP VIEW**



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



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



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

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

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

**CABLE SLACK**

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

**VERTICAL CABLE LENGTH**

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

**DEPTH OF FOUNDATION**

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
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 up to 56' (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)	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**

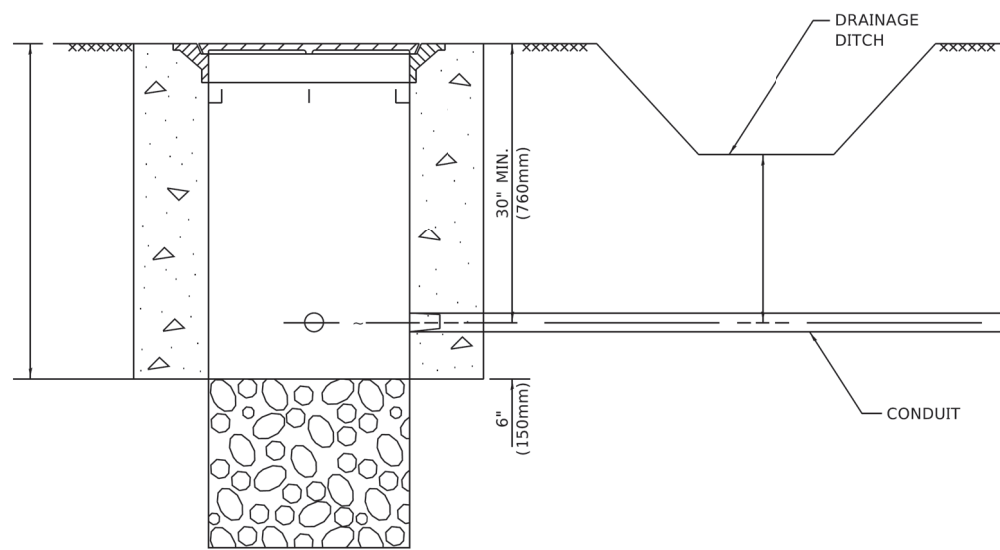
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>			
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			
SCALE: NONE	SHEET 5	OF 7 SHEETS	STA. TO STA.

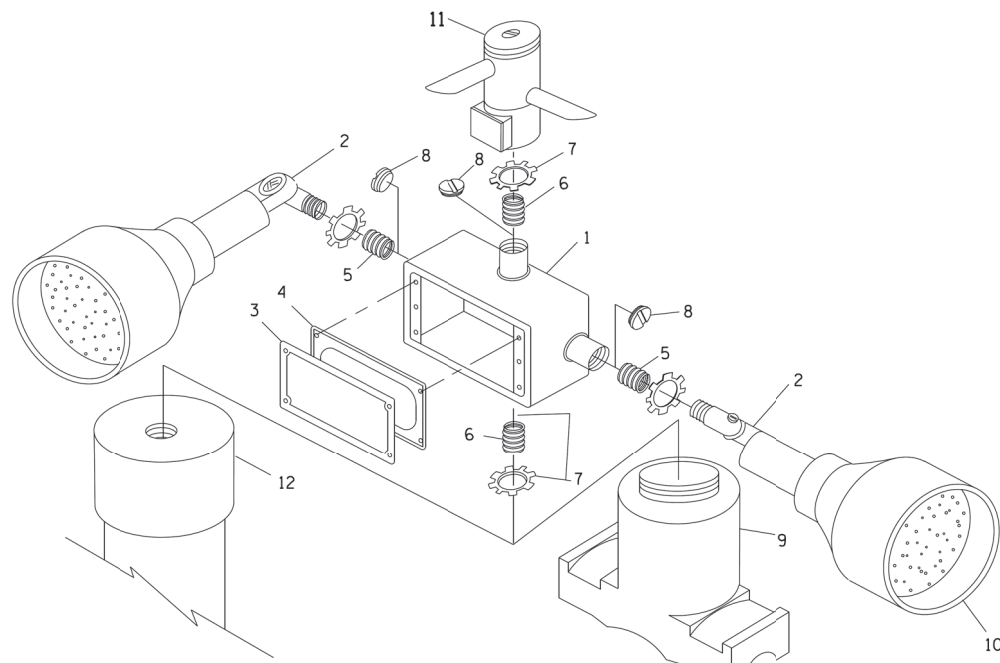
F.A.P. RTE. 334	SECTION 17-00166-00-CH	COUNTY COOK	TOTAL SHEETS 264	SHEET NO. 130
<b>TS-05</b>		CONTRACT NO. 61H44		
ILLINOIS FED. AID PROJECT				



**NOTES:**

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

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

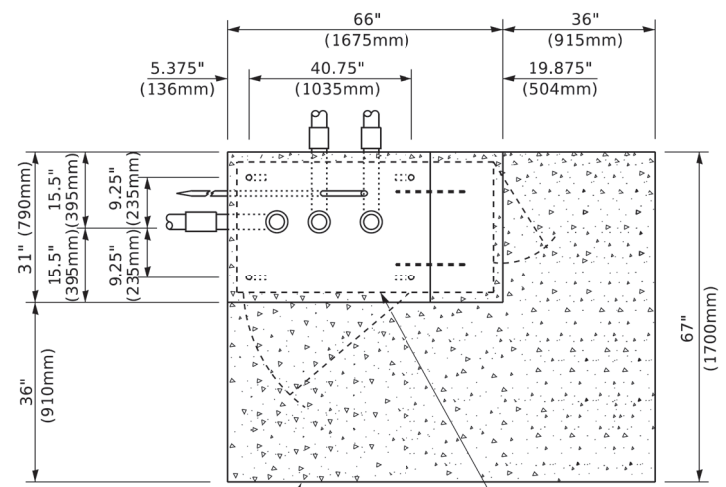


**POST CAP MOUNT**      **MAST ARM MOUNT**  
**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION**  
**BEACON MOUNTING DETAIL**

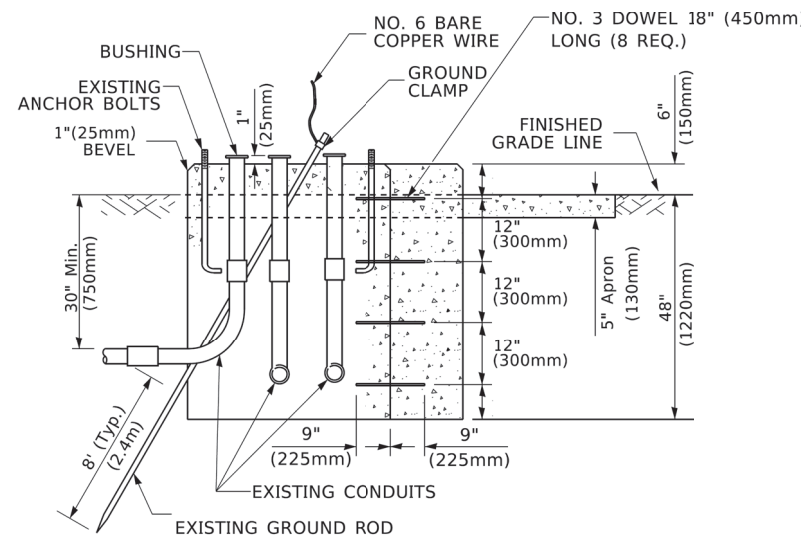
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT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

**NOTES:**

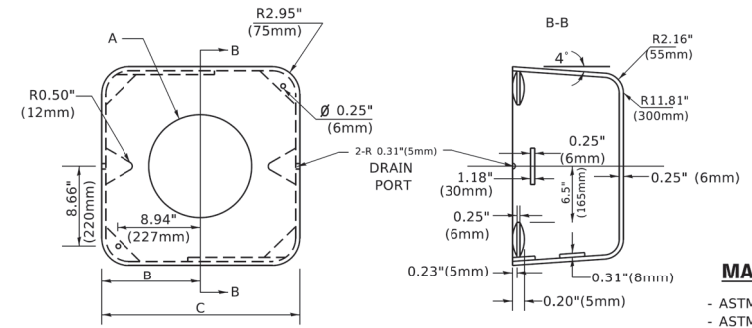
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED.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



**TOP VIEW**  
(NOT TO SCALE)



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



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

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

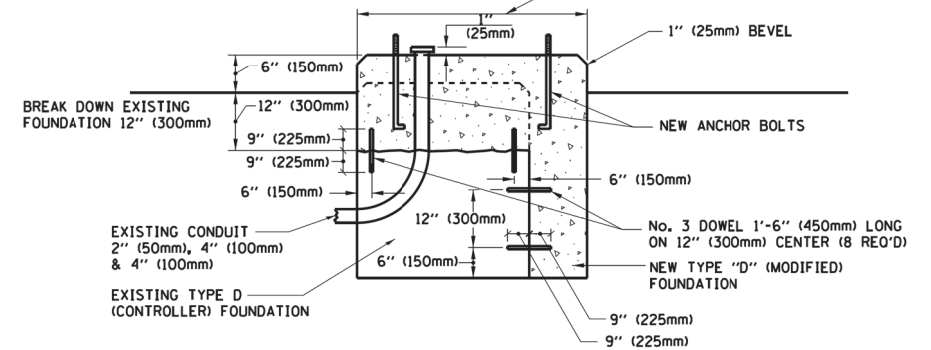
**SHROUD**

**NOTES:**

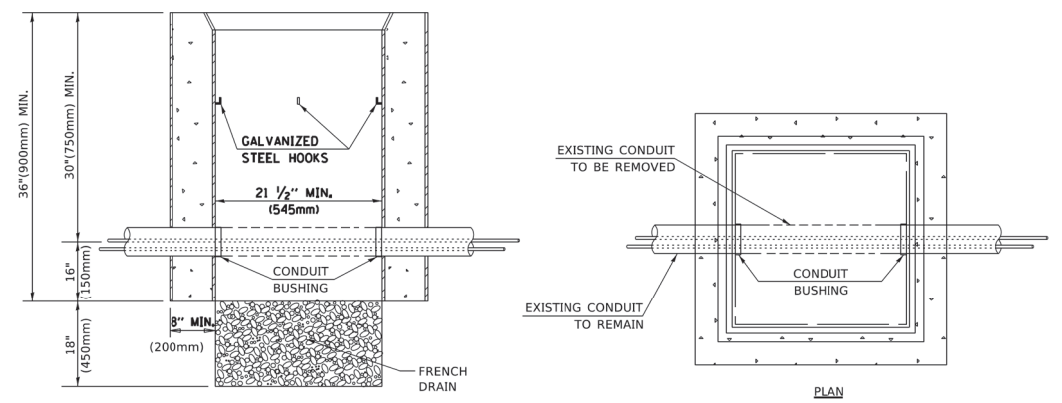
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

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



**MODIFY EXISTING TYPE "D" FOUNDATION**



**ELEVATION**

**PLAN**

**NOTES:**

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

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

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

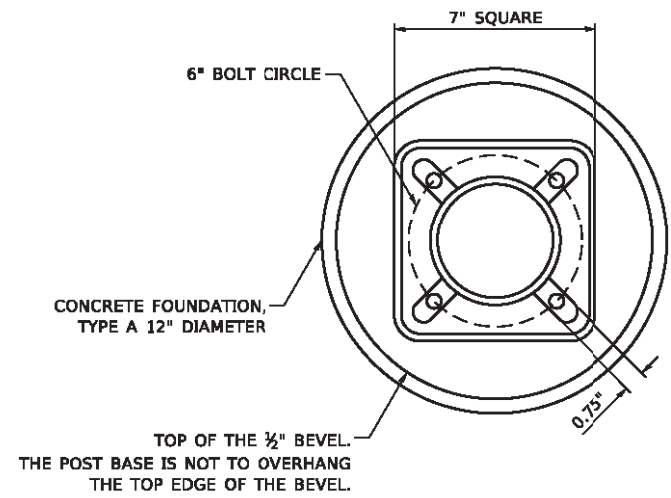
**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	131

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

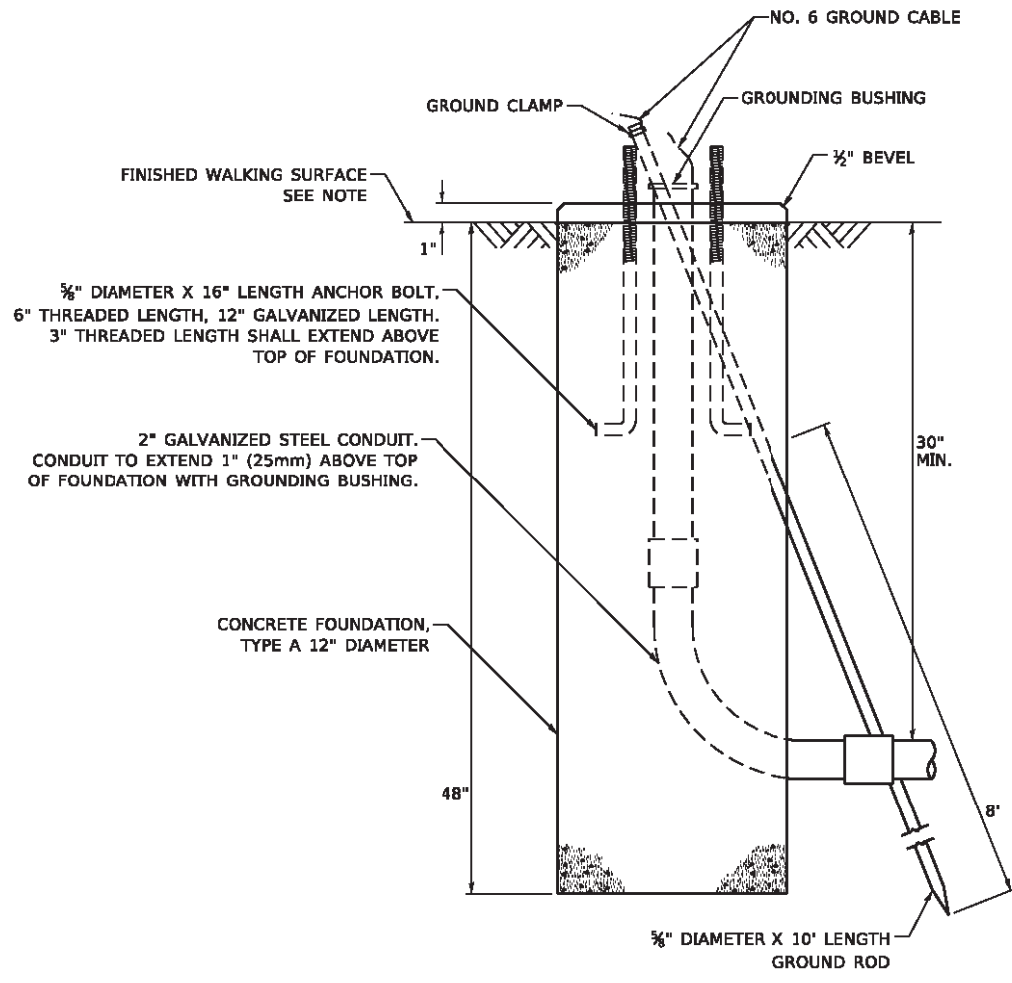
**TS-05**      CONTRACT NO. 61H44  
ILLINOIS FED. AID PROJECT

MODEL: Default  
C:\Users\jgarcia\OneDrive\Documents\1\Projects\District 1\Projects\District 1\Projects\District 1\Projects\District 1\CAD\Drawn\CAD\Drawn\105.dgn  
5/4/2022

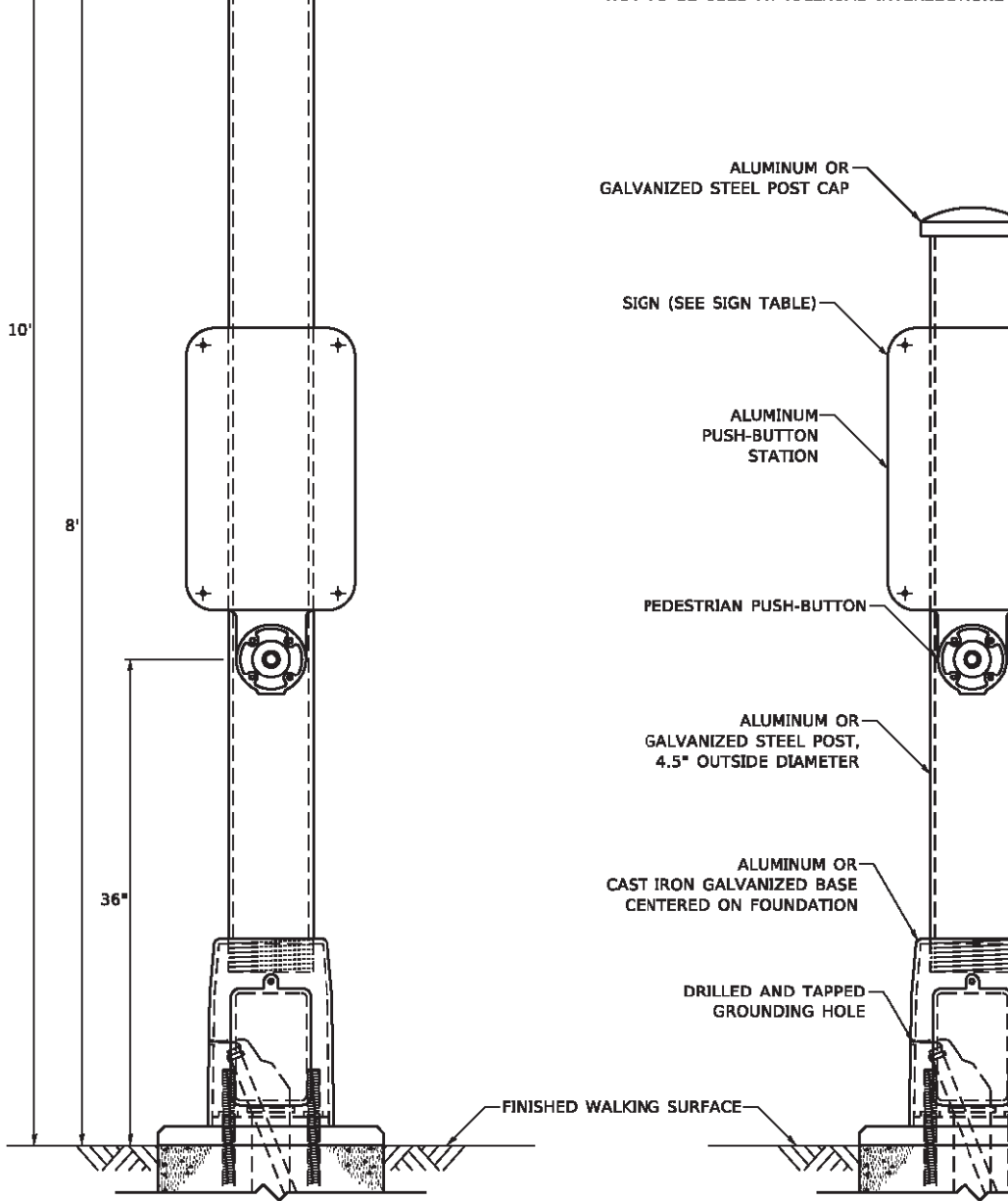
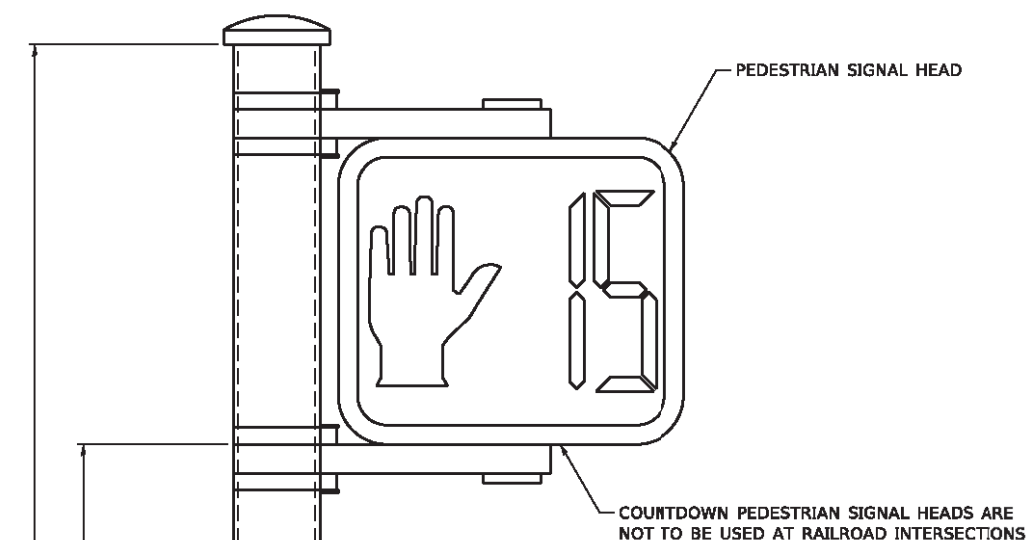


**BOLT PATTERN**

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



**CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER**



**PEDESTRIAN SIGNAL POST, 10 FT.**

**PEDESTRIAN SIGNAL POST, 5 FT.**

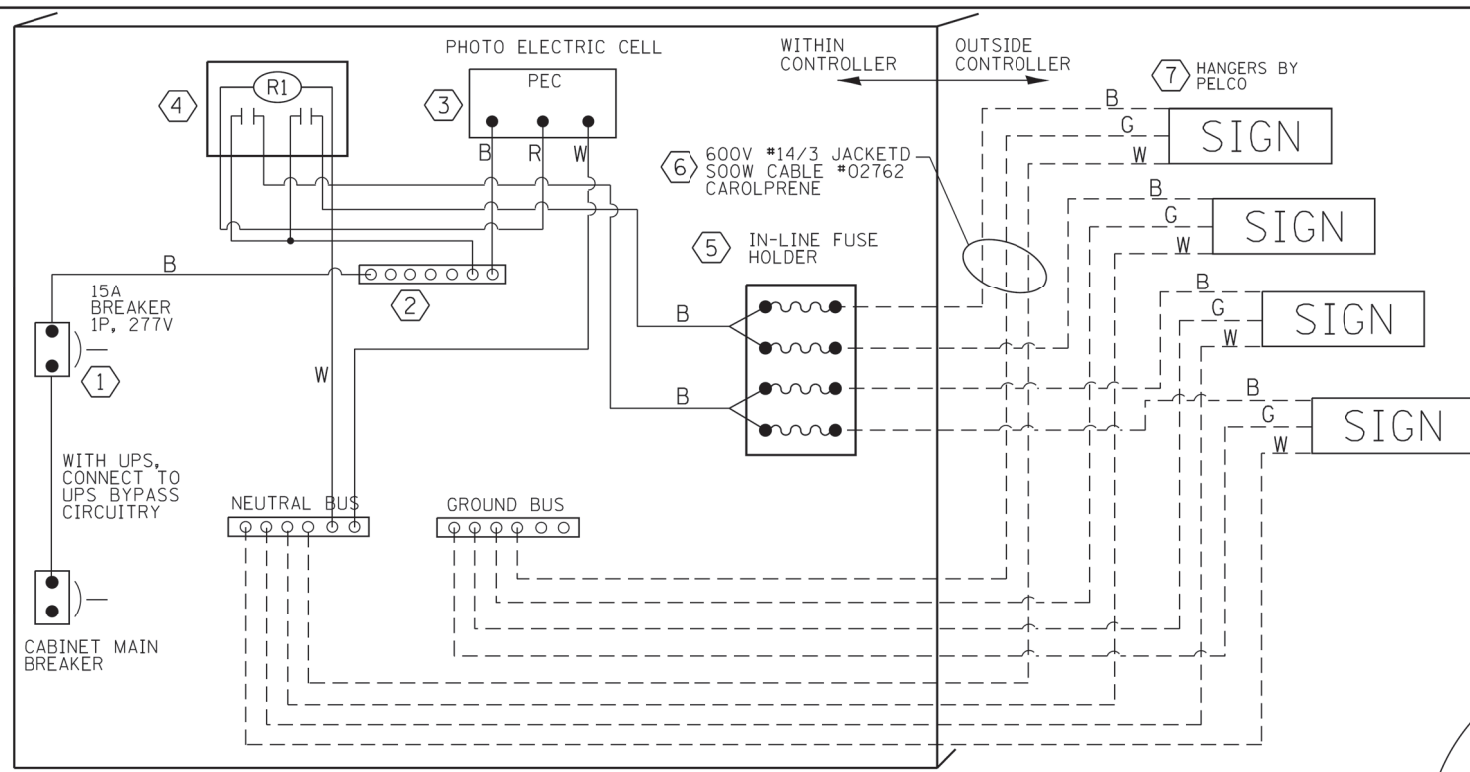


**SIGN TABLE**

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

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

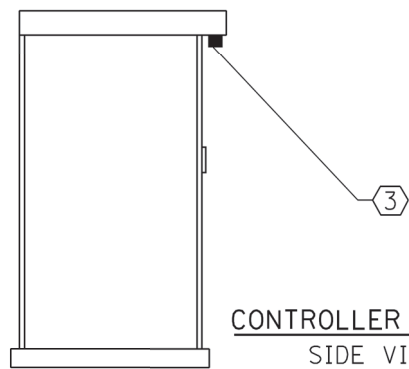




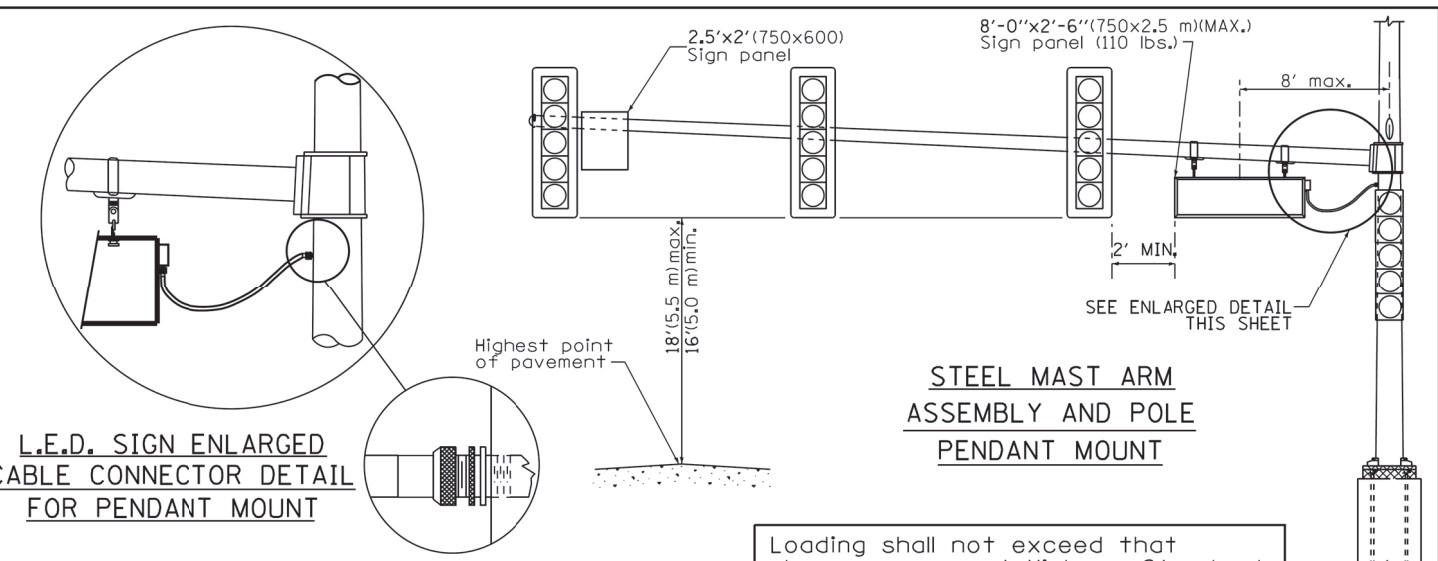
LED SIGN WIRING DETAIL

BILL OF MATERIALS

DESCRIPTION	MANUFACTURER	MODEL	NOTES
① CIRCUIT BREAKER		15 AMPERE	Molded case, Thermal Mag. min. R.I. of 14K R.M.S. symmetrical ampere at 277V.
② TERMINAL BLOCK	MARATHON	1502 DJSV	
③ PHOTO ELECTRIC CONTROL	FISHER PIERCE	B124-1.5-07762	
④ CONTROL RELAY	SQUARE D	8501X020V02	BOLT ON W/SCREW TERMINAL
⑤ INLINE FUSE HOLDER WITH 5 AMP FUSE	BUSSMAN	S-8000 BK/S-8-3-4-R	
⑥ ELECTRIC CABLE, NO. 14, 3/C (BLACK, WHITE, GREEN)	CAROLPRENE/SOOW	02762	
⑦ SIGN MOUNTING HARDWARE	PELCO	Pendant (SE-5015) Direct mount (AB-0104-L-SP) Additional sign stiffeners may be required for direct mounted signs.	S.S. HARDWARE

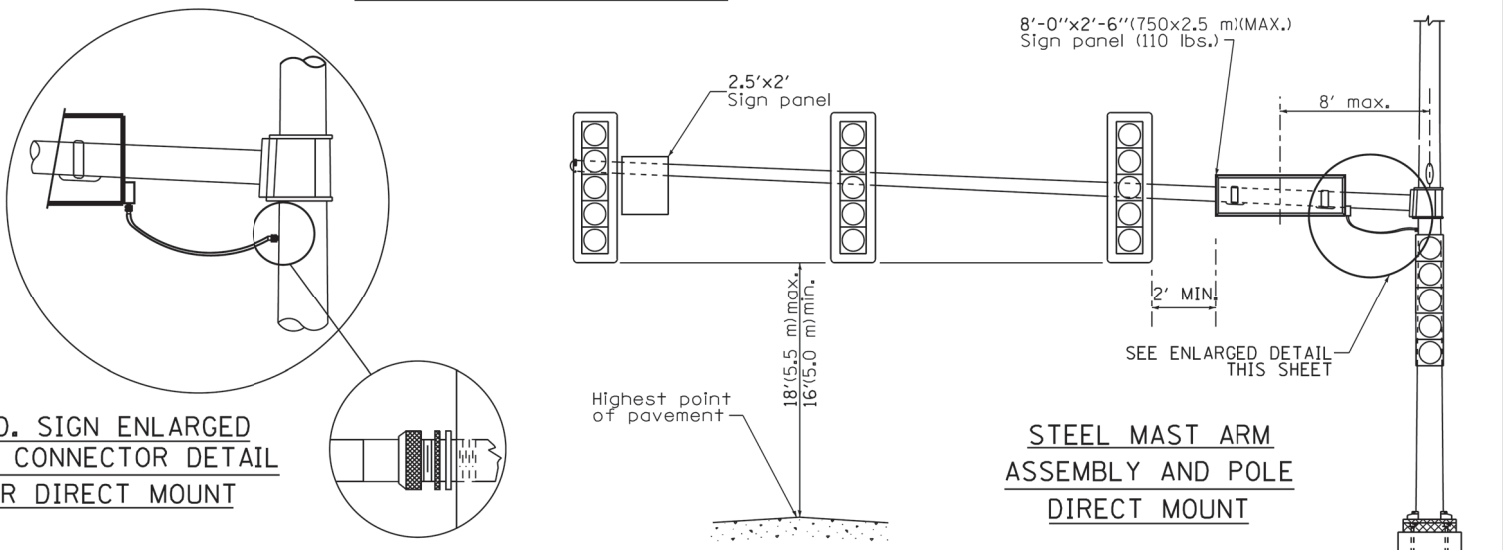


CONTROLLER CABINET SIDE VIEW



STEEL MAST ARM ASSEMBLY AND POLE PENDANT MOUNT

Loading shall not exceed that shown on current Highway Standard.



STEEL MAST ARM ASSEMBLY AND POLE DIRECT MOUNT

Loading shall not exceed that shown on current Highway Standard.

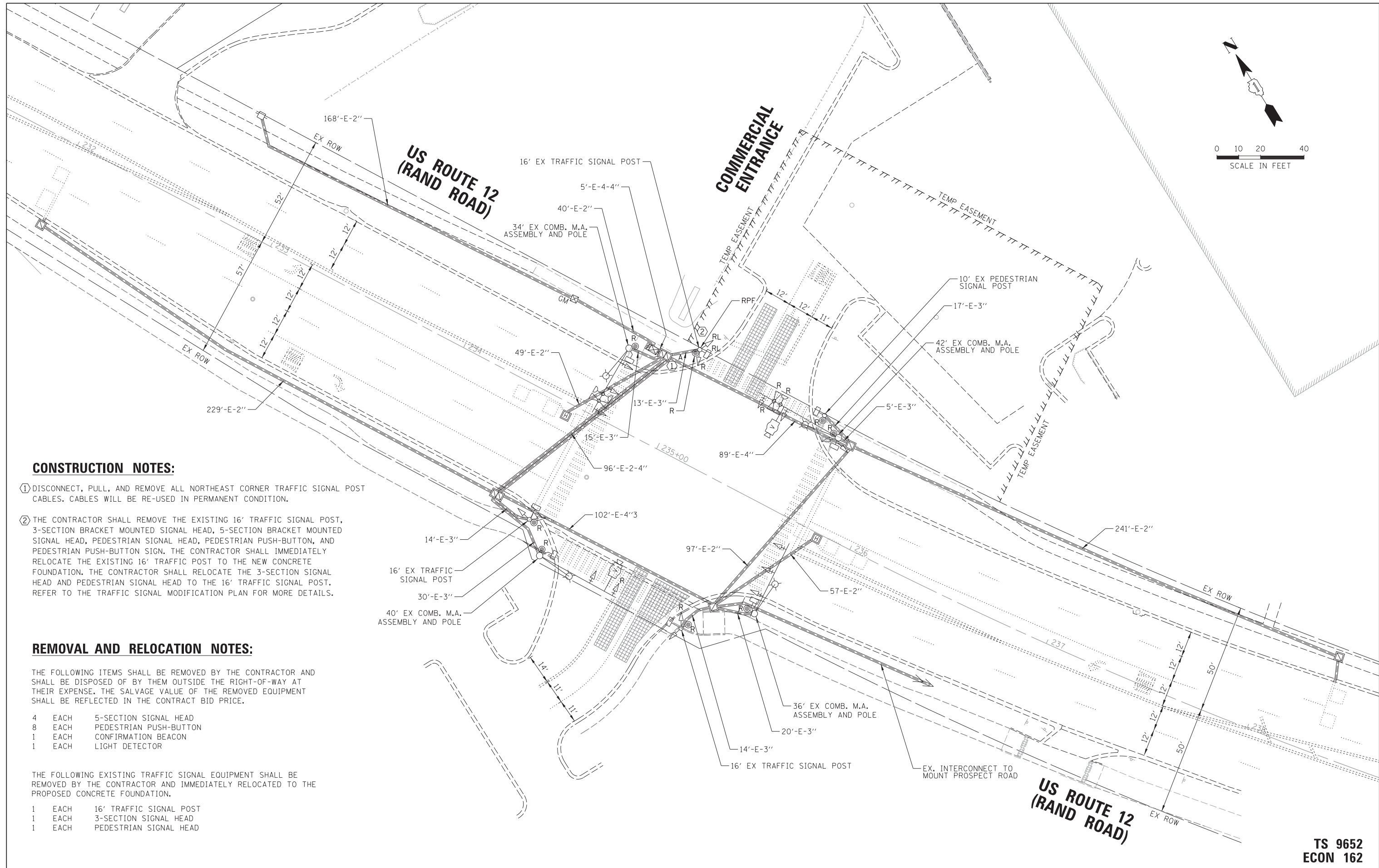
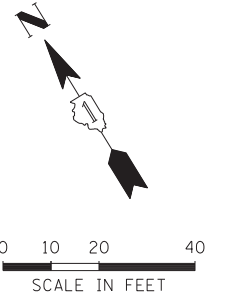


LED ILLUMINATED SIGN PANEL

8'0 x 2'6" (750 mm x 2.5 mm)(MAX)  
C or D FONT

NOTES:

- SIGNS SHALL BE SINGLE SIDED FOR DIRECT MOUNT AND DOUBLE SIDED FOR PENDANT MOUNT.
- CERTAIN ADDITIONAL INFORMATION MAY BE ALLOWED ON THE SIGN. VERIFY WITH ENGINEER.
- SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:  
R = RED      BL = BLUE      W = WHITE  
B = BLACK      Y = YELLOW      G = GREEN
- ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



**CONSTRUCTION NOTES:**

- ① DISCONNECT, PULL, AND REMOVE ALL NORTHEAST CORNER TRAFFIC SIGNAL POST CABLES. CABLES WILL BE RE-USED IN PERMANENT CONDITION.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING 16' TRAFFIC SIGNAL POST, 3-SECTION BRACKET MOUNTED SIGNAL HEAD, 5-SECTION BRACKET MOUNTED SIGNAL HEAD, PEDESTRIAN SIGNAL HEAD, PEDESTRIAN PUSH-BUTTON, AND PEDESTRIAN PUSH-BUTTON SIGN. THE CONTRACTOR SHALL IMMEDIATELY RELOCATE THE EXISTING 16' TRAFFIC POST TO THE NEW CONCRETE FOUNDATION. THE CONTRACTOR SHALL RELOCATE THE 3-SECTION SIGNAL HEAD AND PEDESTRIAN SIGNAL HEAD TO THE 16' TRAFFIC SIGNAL POST. REFER TO THE TRAFFIC SIGNAL MODIFICATION PLAN FOR MORE DETAILS.

**REMOVAL AND RELOCATION NOTES:**

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

- 4 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH CONFIRMATION BEACON
- 1 EACH LIGHT DETECTOR

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND IMMEDIATELY RELOCATED TO THE PROPOSED CONCRETE FOUNDATION.

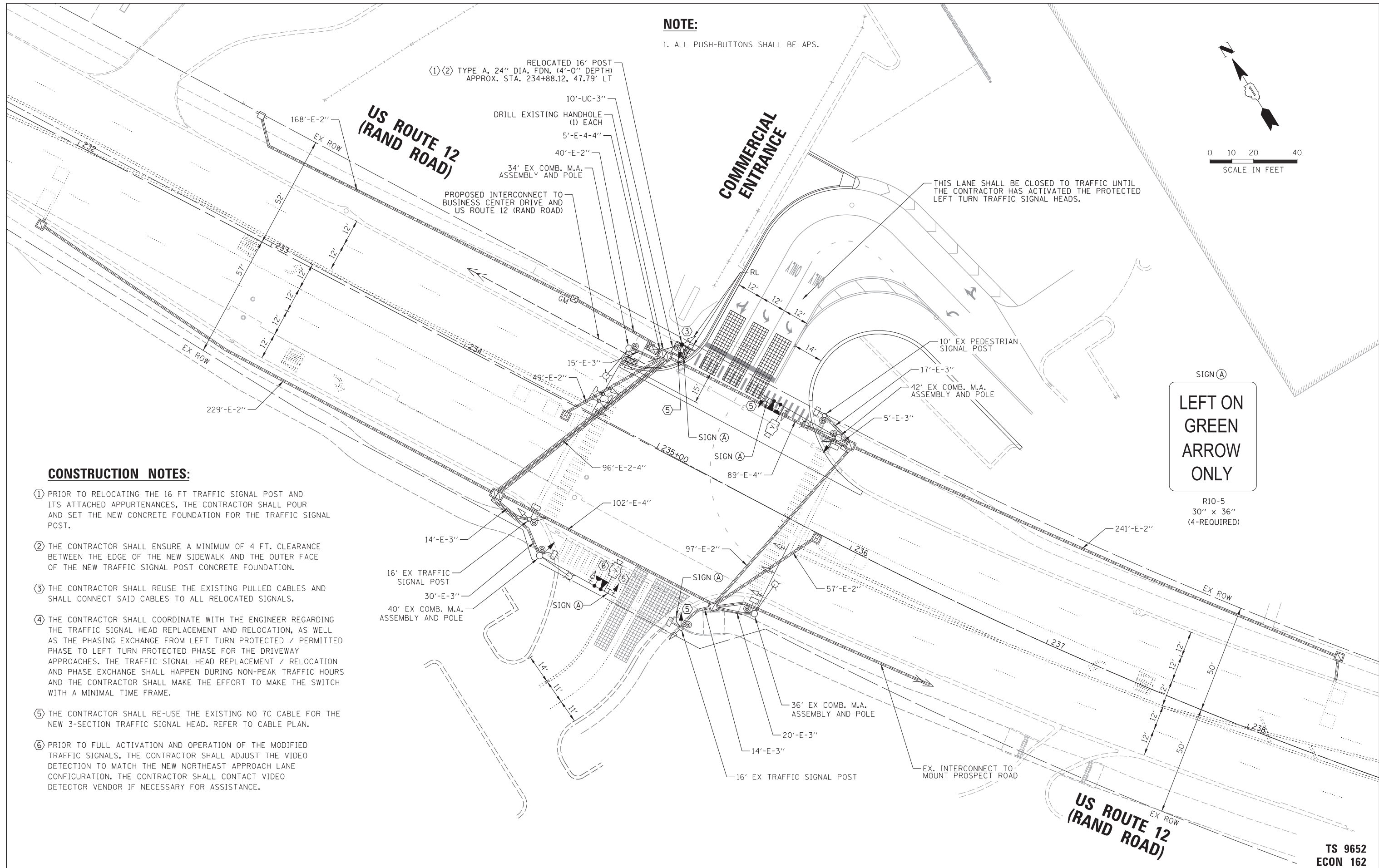
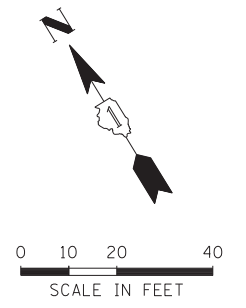
- 1 EACH 16' TRAFFIC SIGNAL POST
- 1 EACH 3-SECTION SIGNAL HEAD
- 1 EACH PEDESTRIAN SIGNAL HEAD

**TS 9652  
ECON 162**

FILE NAME = N:\MOUNTPROSPECT\200015\Traffic\Commercial-Rand.01.REM.dgn	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN US ROUTE 12 (RAND ROAD) AND COMMERCIAL ENTRANCE</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
default	PLOT DATE = 5/4/2022	DRAWN - FPB	REVISED -			334	17-00166-00-CH	COOK	264	134	
		CHECKED - TFS	REVISED -			CONTRACT NO. 61H44					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

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

**NOTE:**  
1. ALL PUSH-BUTTONS SHALL BE APS.



**CONSTRUCTION NOTES:**

- ① PRIOR TO RELOCATING THE 16 FT TRAFFIC SIGNAL POST AND ITS ATTACHED APPURTENANCES, THE CONTRACTOR SHALL POUR AND SET THE NEW CONCRETE FOUNDATION FOR THE TRAFFIC SIGNAL POST.
- ② THE CONTRACTOR SHALL ENSURE A MINIMUM OF 4 FT. CLEARANCE BETWEEN THE EDGE OF THE NEW SIDEWALK AND THE OUTER FACE OF THE NEW TRAFFIC SIGNAL POST CONCRETE FOUNDATION.
- ③ THE CONTRACTOR SHALL REUSE THE EXISTING PULLED CABLES AND SHALL CONNECT SAID CABLES TO ALL RELOCATED SIGNALS.
- ④ THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER REGARDING THE TRAFFIC SIGNAL HEAD REPLACEMENT AND RELOCATION, AS WELL AS THE PHASING EXCHANGE FROM LEFT TURN PROTECTED / PERMITTED PHASE TO LEFT TURN PROTECTED PHASE FOR THE DRIVEWAY APPROACHES. THE TRAFFIC SIGNAL HEAD REPLACEMENT / RELOCATION AND PHASE EXCHANGE SHALL HAPPEN DURING NON-PEAK TRAFFIC HOURS AND THE CONTRACTOR SHALL MAKE THE EFFORT TO MAKE THE SWITCH WITH A MINIMAL TIME FRAME.
- ⑤ THE CONTRACTOR SHALL RE-USE THE EXISTING NO 7C CABLE FOR THE NEW 3-SECTION TRAFFIC SIGNAL HEAD. REFER TO CABLE PLAN.
- ⑥ PRIOR TO FULL ACTIVATION AND OPERATION OF THE MODIFIED TRAFFIC SIGNALS, THE CONTRACTOR SHALL ADJUST THE VIDEO DETECTION TO MATCH THE NEW NORTHEAST APPROACH LANE CONFIGURATION. THE CONTRACTOR SHALL CONTACT VIDEO DETECTOR VENDOR IF NECESSARY FOR ASSISTANCE.

FILE NAME =	USER NAME = rhowellindgren
N:\MOUNTPROSPECT\200015\Traffic\Commercial-Rand.02.MOD.dgn	
PLOT SCALE = 20'	
default	PLOT DATE = 5/4/2022

DESIGNED - BC	REVISED -
DRAWN - FPB	REVISED -
CHECKED - TFS	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN  
US ROUTE 12 (RAND ROAD) AND COMMERCIAL ENTRANCE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	135
CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT	

**TS 9652  
ECON 162**

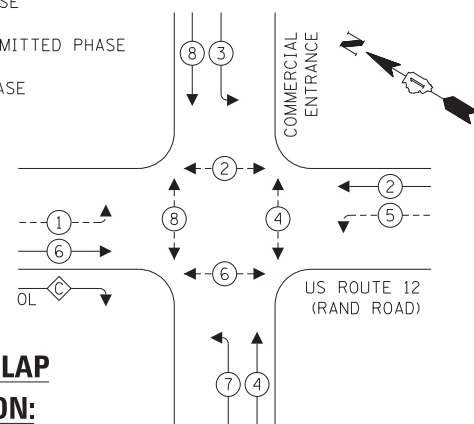
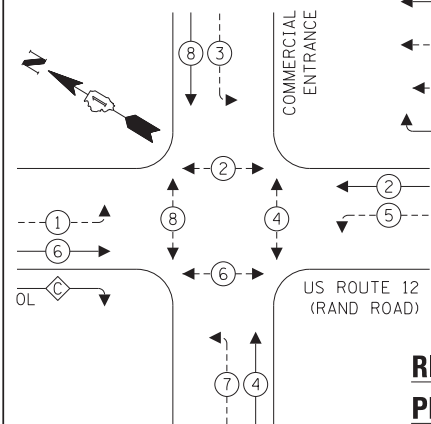
SCALE: 1" = 20' SHEET 2 OF 3 SHEETS STA. TO STA.

**EXISTING CONTROLLER SEQUENCE**

**PROPOSED CONTROLLER SEQUENCE**

**LEGEND:**

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

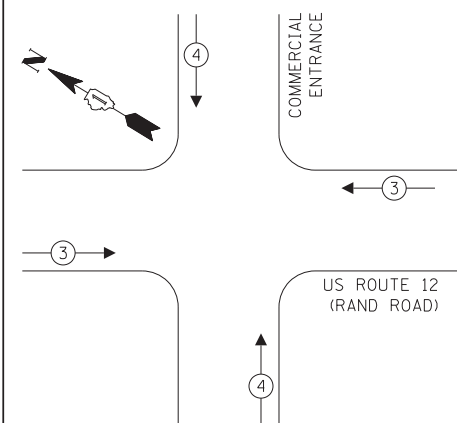


**RIGHT TURN OVERLAP**

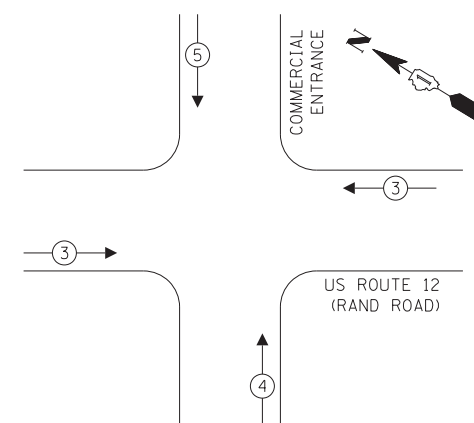
**PHASE DESIGNATION:**

OVERLAP LETTER = PERMISSIVE PHASE + PROTECTED PHASE  
 C = 6 + 7

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**SCHEDULE OF QUANTITIES**

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

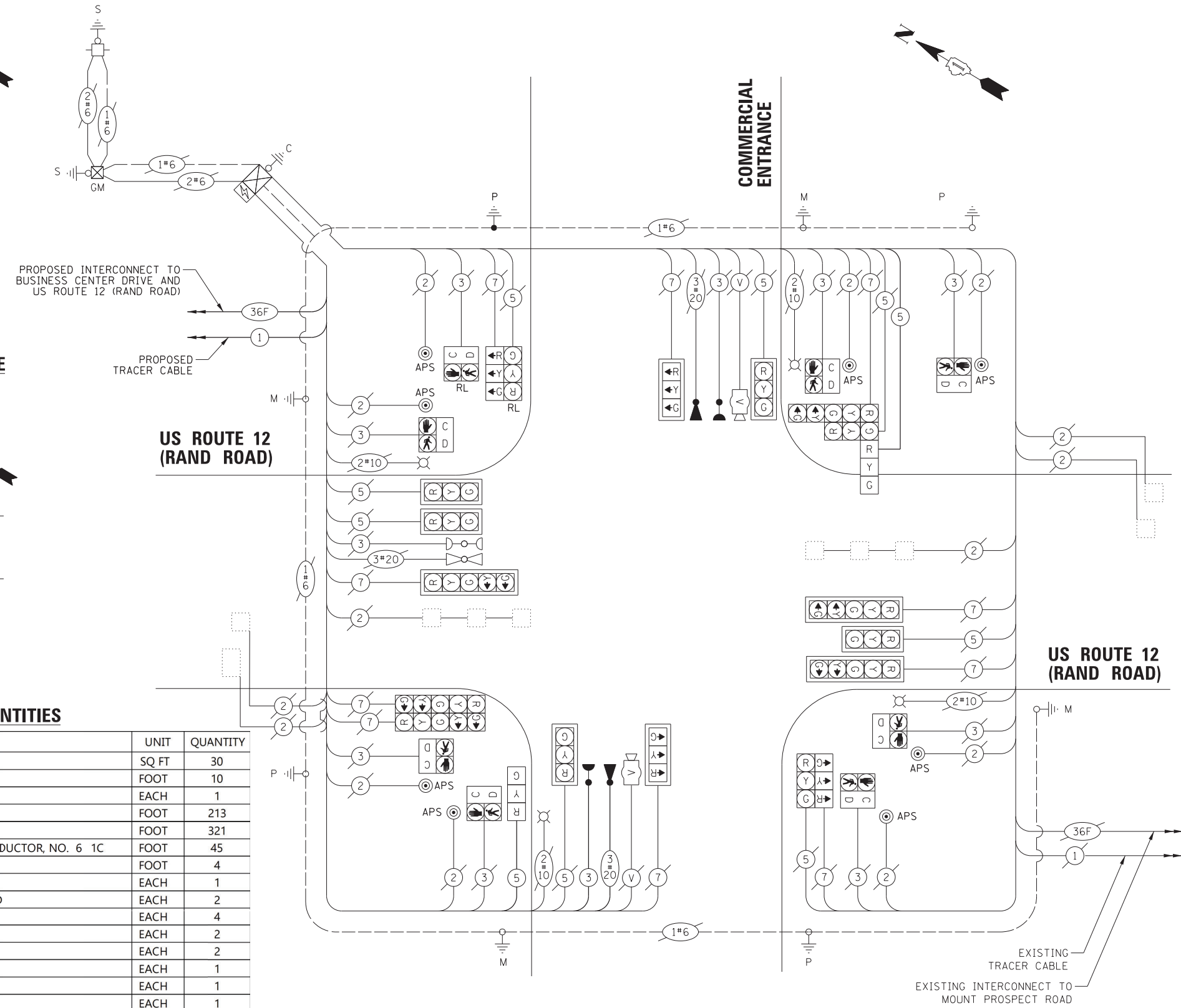
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	12	10	10	12.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4-	273	50	546.0
TOTAL =				1081.0

**ENERGY COSTS TO:**

VILLAGE OF MOUNT PROSPECT  
 50 S. EMERSON STREET  
 MOUNT PROSPECT, IL 60056

ENERGY SUPPLY: CONTACT: NEW BUSINESS  
 PHONE: NEW PHONE  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	30
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	10
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	213
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	321
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	45
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HAND-OLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
LIGHT DETECTOR	EACH	2
RELOCATE EXISTING SIGNAL HEAD	EACH	1
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	180
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	213
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1



**CABLE PLAN**  
(NOT TO SCALE)

FILE NAME = USER NAME = rhowellindgren  
 N:\MOUNTPROSPECT\200015\Tr-offic\Commercial-Rand\_03\_CAB.dgn  
 PLOT SCALE = 28'  
 PLOT DATE = 5/4/2022

DESIGNED - BC  
 DRAWN - FPB  
 CHECKED - TFS  
 DATE -

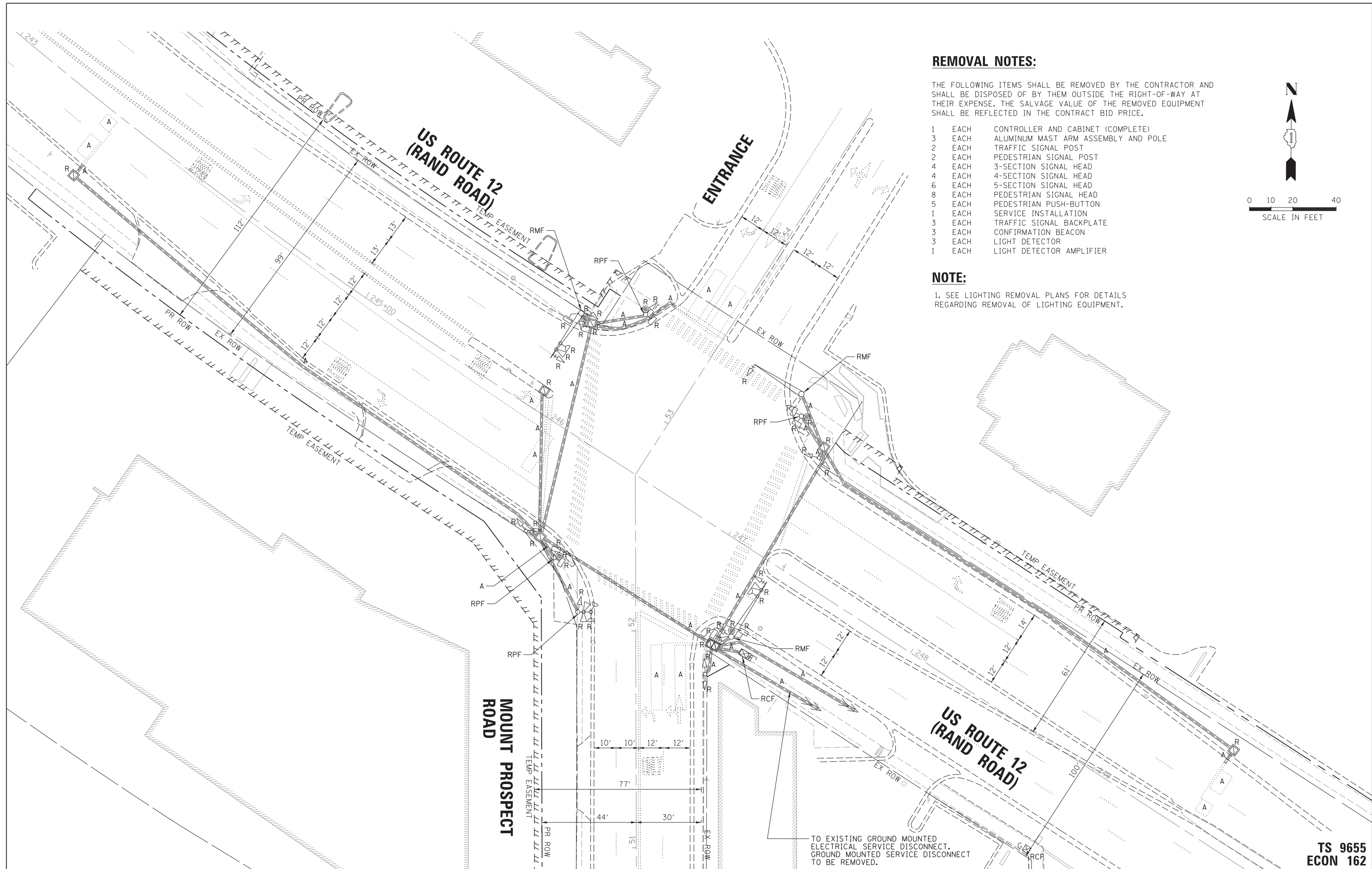
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION  
 DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 US ROUTE 12 (RAND ROAD) AND COMMERCIAL ENTRANCE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	136
				CONTRACT NO. 61H44
ILLINOIS FED. AID PROJECT				

**TS 9652  
 ECON 162**



**REMOVAL NOTES:**

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

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 3 EACH ALUMINUM MAST ARM ASSEMBLY AND POLE
- 2 EACH TRAFFIC SIGNAL POST
- 2 EACH PEDESTRIAN SIGNAL POST
- 4 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 4-SECTION SIGNAL HEAD
- 6 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 5 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION
- 3 EACH TRAFFIC SIGNAL BACKPLATE
- 3 EACH CONFIRMATION BEACON
- 3 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

**NOTE:**

1. SEE LIGHTING REMOVAL PLANS FOR DETAILS REGARDING REMOVAL OF LIGHTING EQUIPMENT.

TO EXISTING GROUND MOUNTED ELECTRICAL SERVICE DISCONNECT. GROUND MOUNTED SERVICE DISCONNECT TO BE REMOVED.

**TS 9655  
ECON 162**

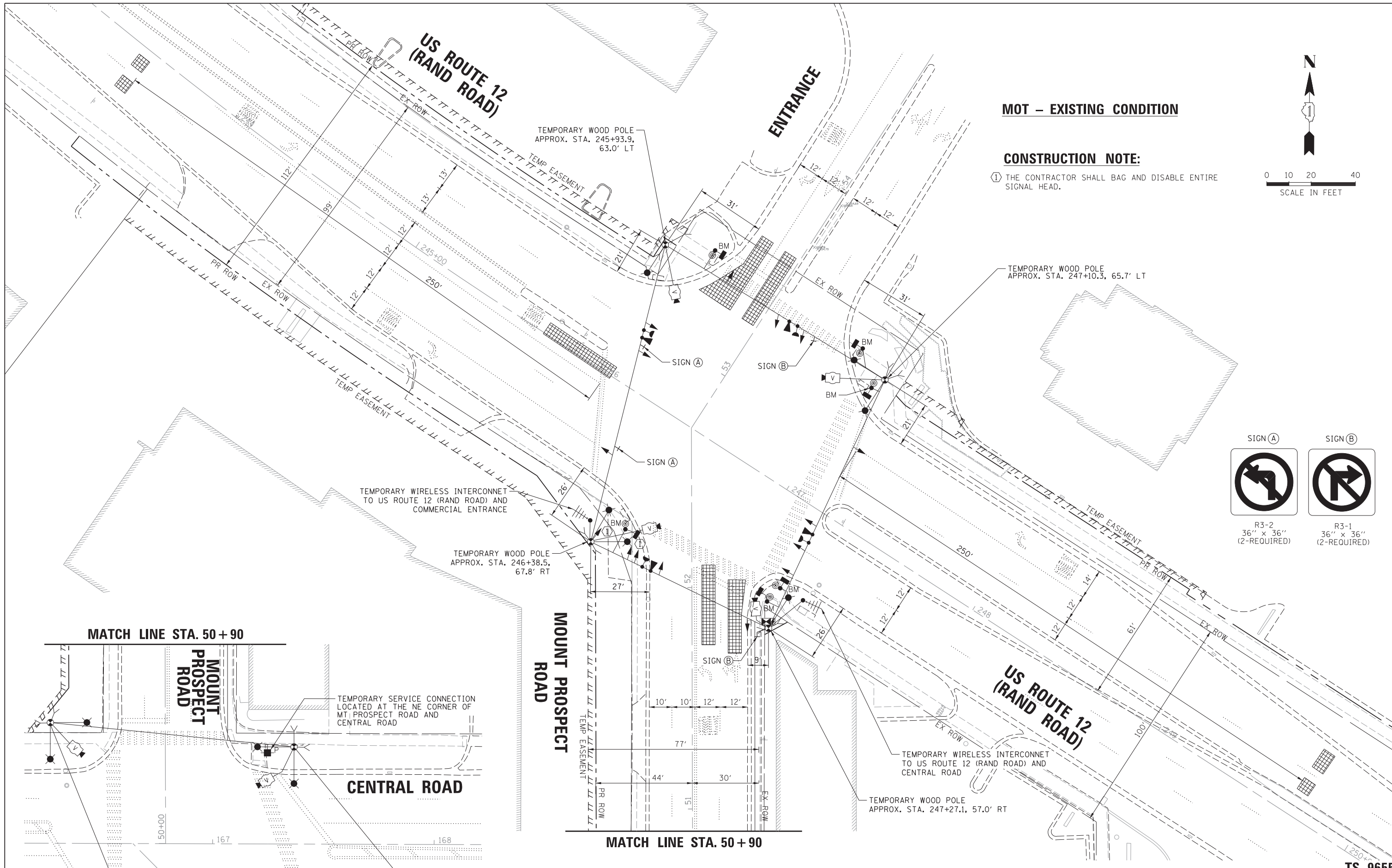
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default	PLOT SCALE = 28'	DRAWN - FPB	REVISED -
	PLOT DATE = 5/4/2022	CHECKED - TFS	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN  
US ROUTE 12 (RAND ROAD) AND MOUNT PROSPECT ROAD**

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

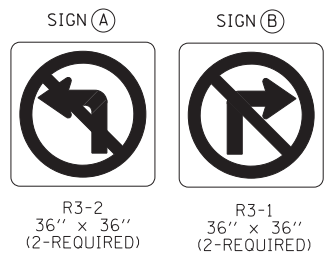
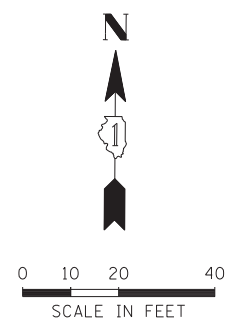
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	137
				CONTRACT NO. 61H44
ILLINOIS FED. AID PROJECT				



**MOT – EXISTING CONDITION**

**CONSTRUCTION NOTE:**

- ① THE CONTRACTOR SHALL BAG AND DISABLE ENTIRE SIGNAL HEAD.



**MATCH LINE STA. 50 + 90**

**MATCH LINE STA. 50 + 90**

FILE NAME =	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
N:\MOUNTPROSPECT\200015\Traffic\Rand-MtProspect_02.TMP EX.dgn		DRAWN - FPB	REVISED -
default	PLOT SCALE = 28'	CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN – EXISTING CONDITION  
US ROUTE 12 (RAND ROAD) AND MOUNT PROSPECT ROAD**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	138
			CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET 2 OF 7 SHEETS STA. TO STA.

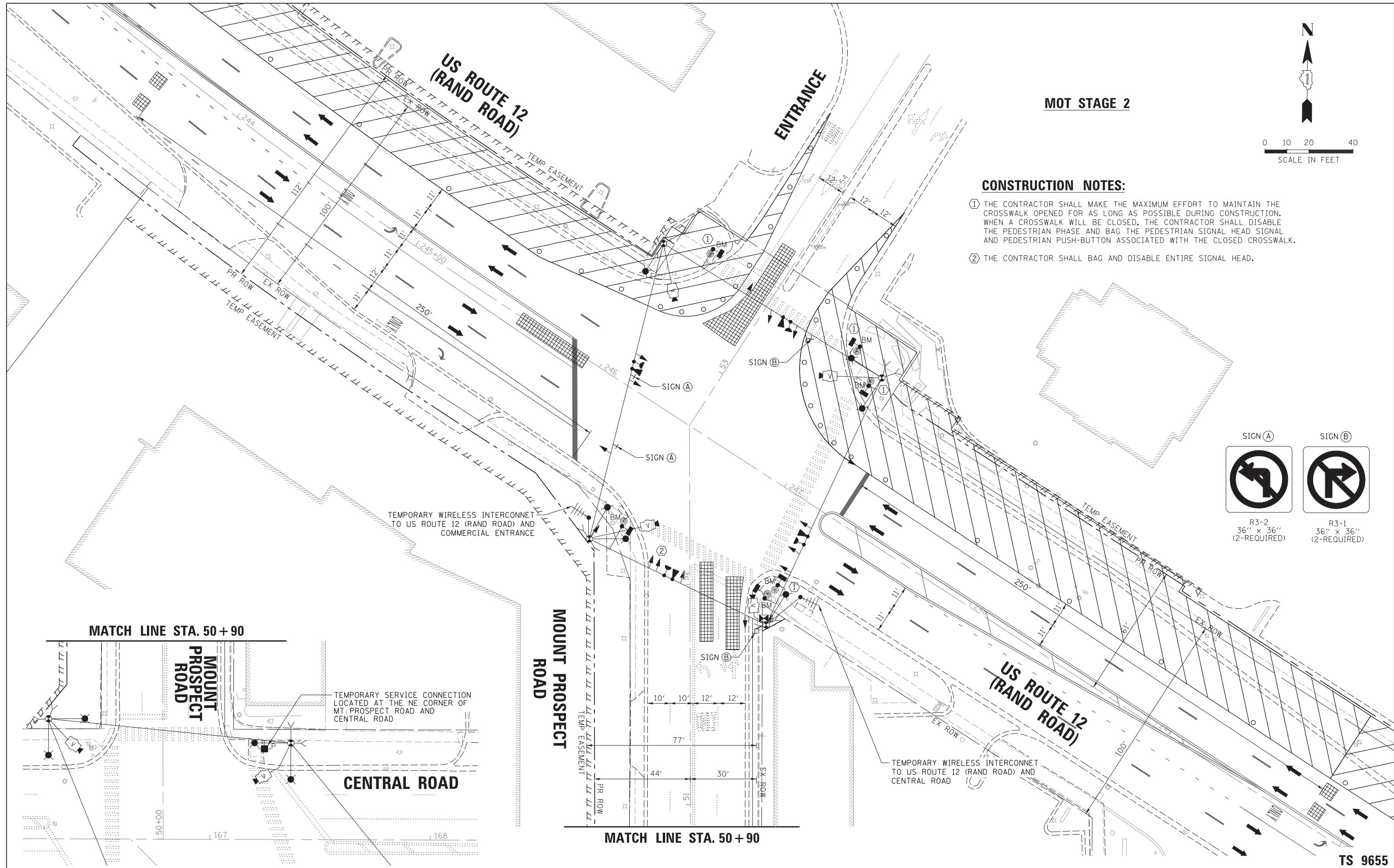
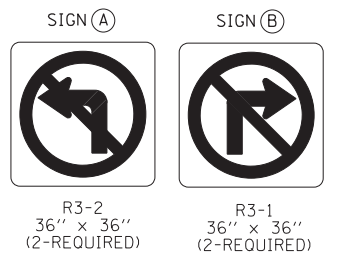
**TS 9655  
ECON 162**



**MOT STAGE 2**

**CONSTRUCTION NOTES:**

- ① THE CONTRACTOR SHALL MAKE THE MAXIMUM EFFORT TO MAINTAIN THE CROSSWALK OPENED FOR AS LONG AS POSSIBLE DURING CONSTRUCTION. WHEN A CROSSWALK WILL BE CLOSED, THE CONTRACTOR SHALL DISABLE THE PEDESTRIAN PHASE AND BAG THE PEDESTRIAN SIGNAL HEAD SIGNAL AND PEDESTRIAN PUSH-BUTTON ASSOCIATED WITH THE CLOSED CROSSWALK.
- ② THE CONTRACTOR SHALL BAG AND DISABLE ENTIRE SIGNAL HEAD.

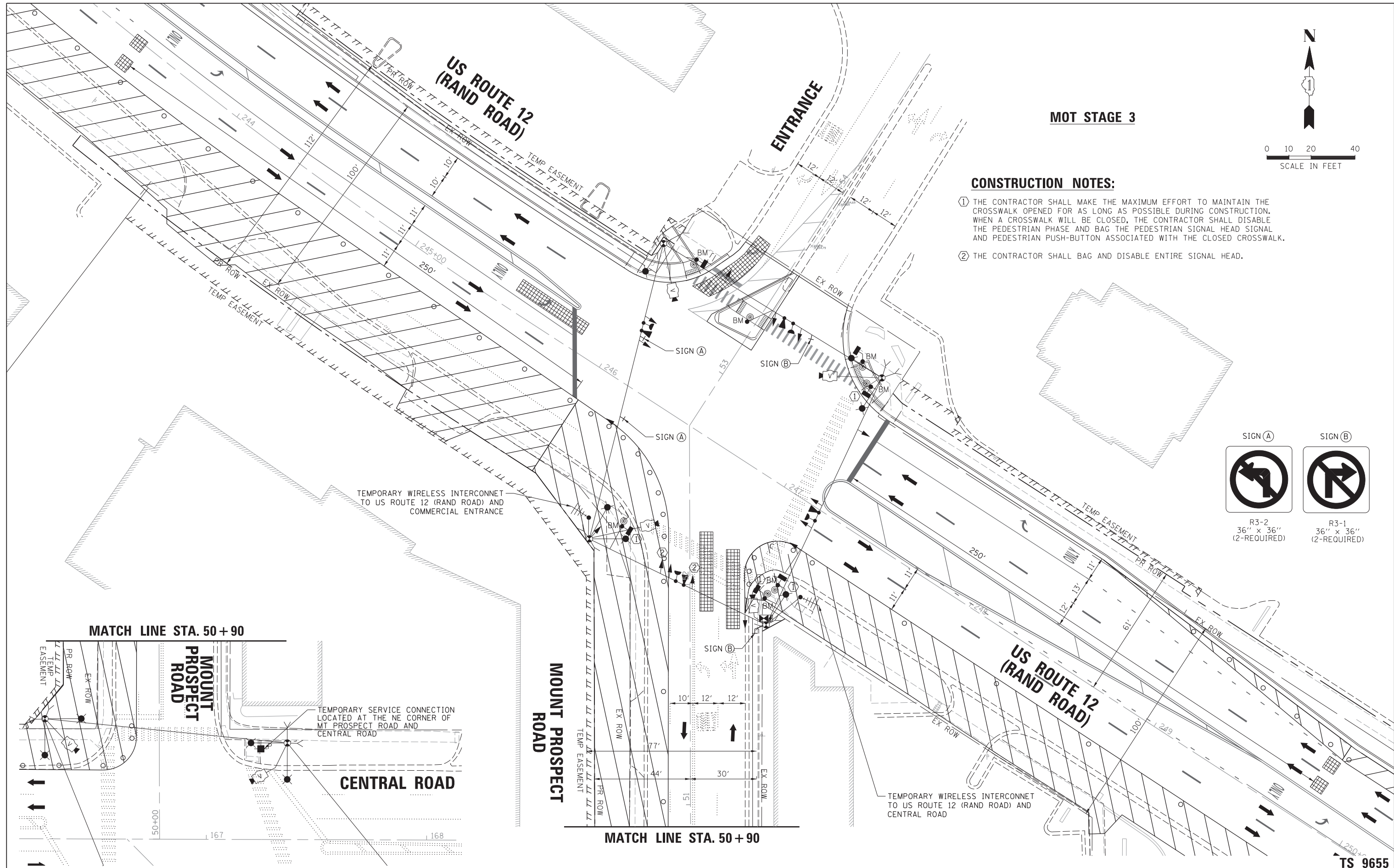


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

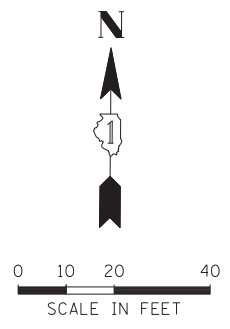
TEMPORARY TRAFFIC SIGNAL PLAN - MOT STAGE 2  
US ROUTE 12 (RAND ROAD) AND MOUNT PROSPECT ROAD  
SCALE: 1" = 20' SHEET 3 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	139
			CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT				

TS 9655  
ECON 162

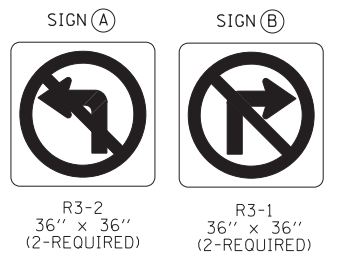


**MOT STAGE 3**



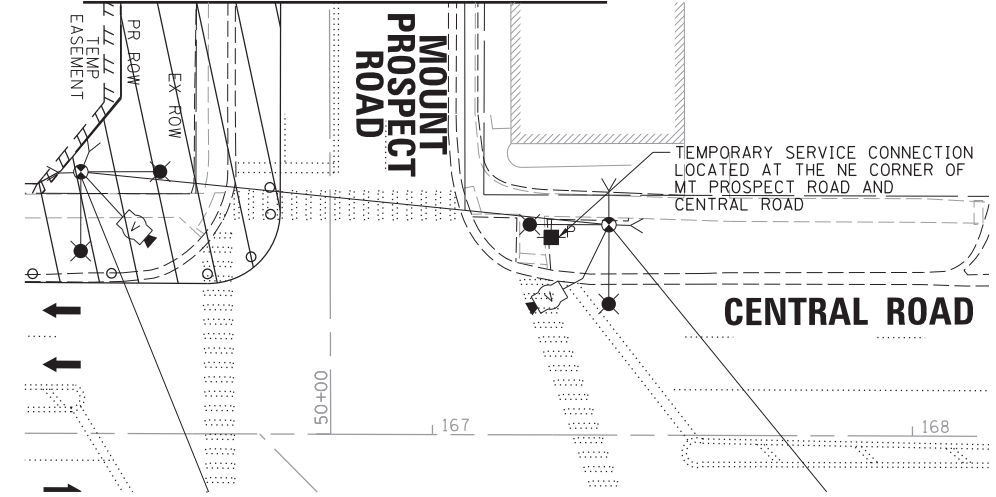
**CONSTRUCTION NOTES:**

- ① THE CONTRACTOR SHALL MAKE THE MAXIMUM EFFORT TO MAINTAIN THE CROSSWALK OPENED FOR AS LONG AS POSSIBLE DURING CONSTRUCTION. WHEN A CROSSWALK WILL BE CLOSED, THE CONTRACTOR SHALL DISABLE THE PEDESTRIAN PHASE AND BAG THE PEDESTRIAN SIGNAL HEAD SIGNAL AND PEDESTRIAN PUSH-BUTTON ASSOCIATED WITH THE CLOSED CROSSWALK.
- ② THE CONTRACTOR SHALL BAG AND DISABLE ENTIRE SIGNAL HEAD.



**MATCH LINE STA. 50 + 90**

**MATCH LINE STA. 50 + 90**



FILE NAME =	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
N:\MOUNTPROSPECT\200015\Traffic\Rand-M	Prospect_04.MOT Stage 3.dgn	DRAWN - FPB	REVISED -
default	PLOT SCALE = 28'	CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

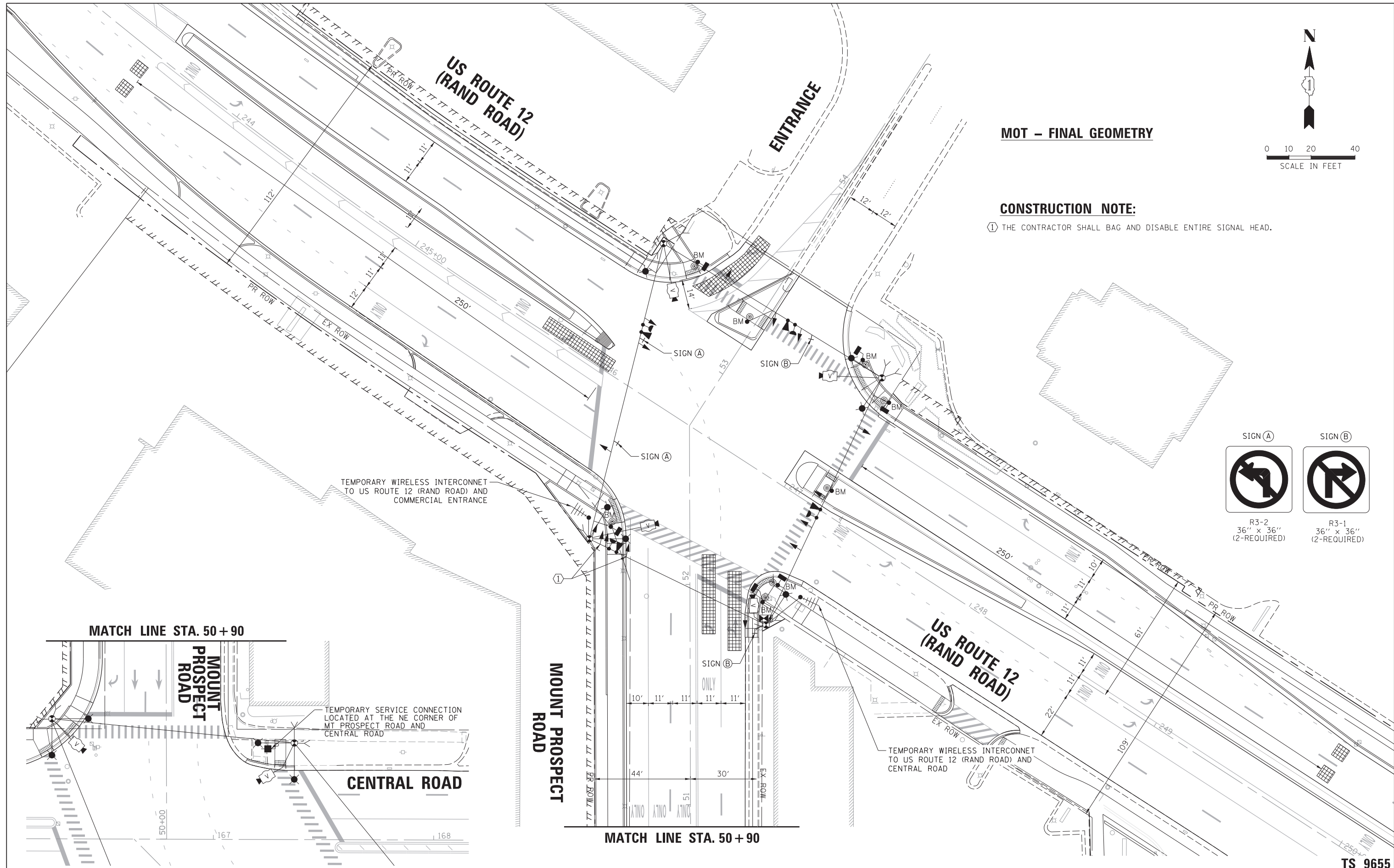
**TEMPORARY TRAFFIC SIGNAL PLAN - MOT STAGE 3  
US ROUTE 12 (RAND ROAD) AND MOUNT PROSPECT ROAD**

SCALE: 1" = 20' SHEET 4 OF 7 SHEETS STA. TO STA.

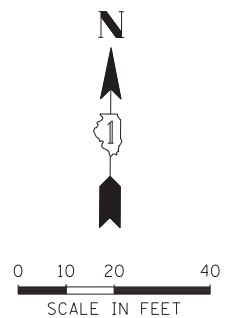
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	140
			CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT				

**TS 9655  
ECON 162**



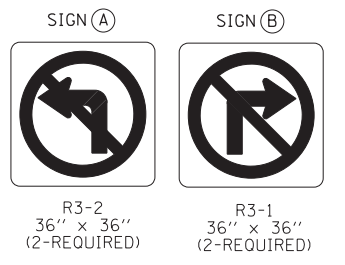


**MOT – FINAL GEOMETRY**

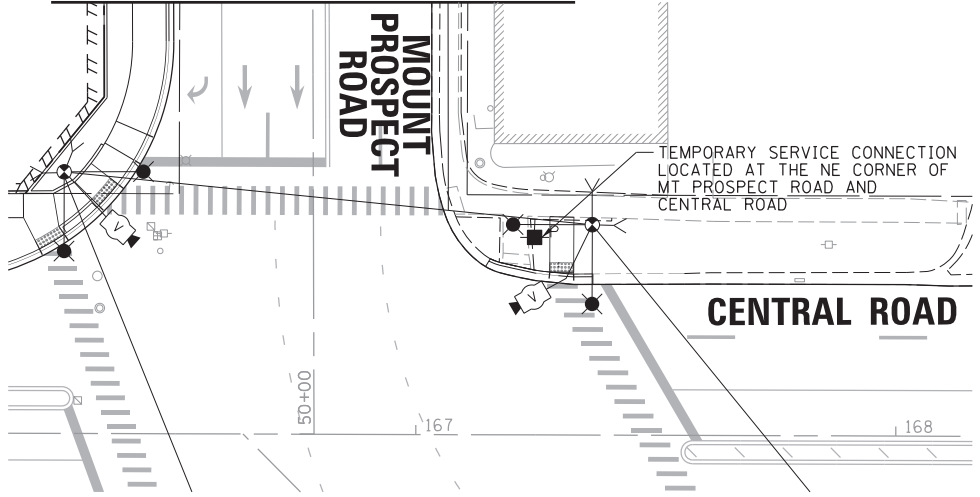


**CONSTRUCTION NOTE:**

① THE CONTRACTOR SHALL BAG AND DISABLE ENTIRE SIGNAL HEAD.



**MATCH LINE STA. 50 + 90**



**MATCH LINE STA. 50 + 90**

FILE NAME = N:\MOUNTPROSPECT\200015\Traffic\Rand-M	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
Prospect_05.TMP.PR.dgn		DRAWN - FPB	REVISED -
default	PLOT SCALE = 28'	CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN – FINAL GEOMETRY  
US ROUTE 12 (RAND ROAD) AND MOUNT PROSPECT ROAD**

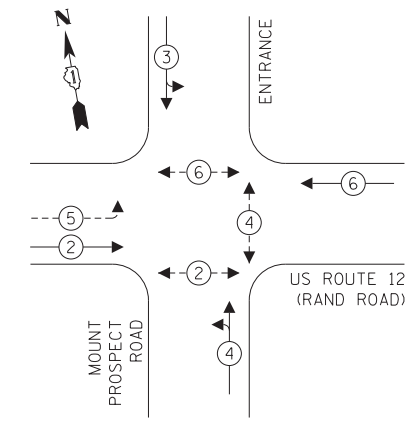
SCALE: 1" = 20' SHEET 5 OF 7 SHEETS STA. TO STA.

		<b>TS 9655 ECON 162</b>	
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
334	17-00166-00-CH	COOK	264
		SHEET NO. 141	
		CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT			

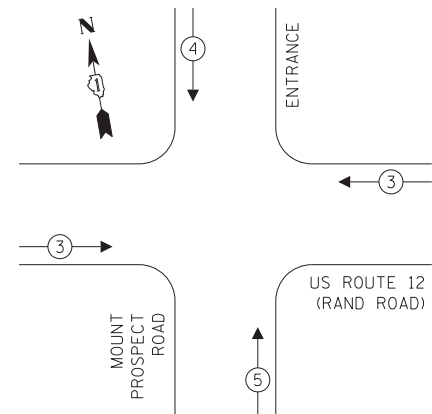
**TEMPORARY CONTROLLER SEQUENCE**

**LEGEND:**

- ←(\*) PROTECTED PHASE
- ←(\*)- - - PROTECTED/PERMITTED PHASE
- ←(\*)→ PEDESTRIAN PHASE
- ←(OL) OVERLAP



**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	11	50	71.5
(YELLOW)	13	20	5	13.0
(GREEN)	17	12	45	91.8
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	6	250	50	750.0
TOTAL =				1325.3

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAY/DISTRICT 1  
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096  
 ENERGY SUPPLY: CONTACT: NEW BUSINESS  
 PHONE: NEW PHONE  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---

US ROUTE 12 (RAND ROAD)

MOUNT PROSPECT ROAD

**LEGEND:**

- [Hatched Box] = BAGGED AND DISABLED

TEMPORARY WIRELESS INTERCONNECT TO US ROUTE 12 (RAND ROAD) AND CENTRAL ROAD

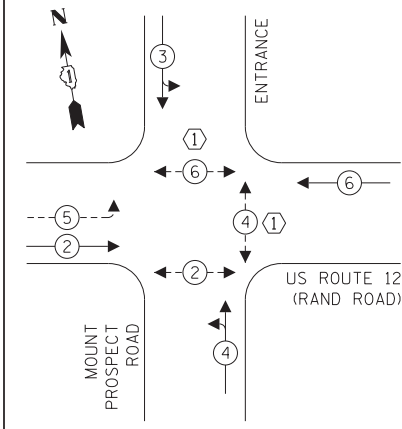
**EXISTING GEOMETRY TEMPORARY CABLE PLAN**  
(NOT TO SCALE)

TS 9655  
ECON 162

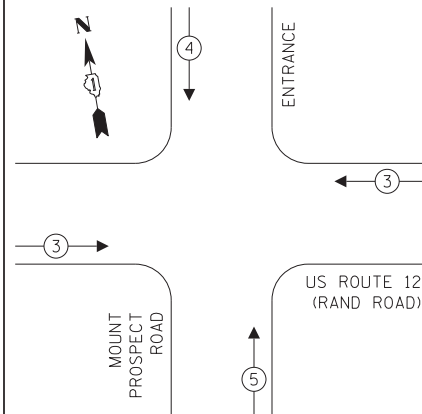
**TEMPORARY CONTROLLER SEQUENCE**

**LEGEND:**

- ←(\*) PROTECTED PHASE
- ←(\*)- - - PROTECTED/PERMITTED PHASE
- ←(\*)→ PEDESTRIAN PHASE
- ←(OL) OVERLAP



**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	11	50	71.5
(YELLOW)	13	20	5	13.0
(GREEN)	17	12	45	91.8
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	6	250	50	750.0
TOTAL =				1325.3

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAY/DISTRICT 1  
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096  
 ENERGY SUPPLY: CONTACT: NEW BUSINESS  
 PHONE: NEW PHONE  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---

**CONSTRUCTION NOTES:**

- 1 THE CONTRACTOR SHALL MAKE THE MAXIMUM EFFORT TO MAINTAIN THE CROSSWALK OPENED FOR AS LONG AS POSSIBLE DURING CONSTRUCTION. WHEN A CROSSWALK WILL BE CLOSED, THE CONTRACTOR SHALL DISABLE THE PEDESTRIAN PHASE AND BAG THE PEDESTRIAN SIGNAL HEAD SIGNAL AND PEDESTRIAN PUSH-BUTTON ASSOCIATED WITH THE CLOSED CROSSWALK.

US ROUTE 12 (RAND ROAD)

MOUNT PROSPECT ROAD

**LEGEND:**

- [Hatched Box] = BAGGED AND DISABLED

TEMPORARY WIRELESS INTERCONNECT TO US ROUTE 12 (RAND ROAD) AND CENTRAL ROAD

**MOT STAGE 2 TEMPORARY CABLE PLAN**  
(NOT TO SCALE)

TS 9655  
ECON 162

FILE NAME = N:\MOUNTPROSPECT\200015\Tr-offic\Rand-M...  
 USER NAME = rhowellindgren  
 Prospect\_06.TCBI.dgn  
 PLOT SCALE = 20'  
 PLOT DATE = 5/4/2022

DESIGNED - BC  
 DRAWN - FPB  
 CHECKED - TFS  
 DATE -

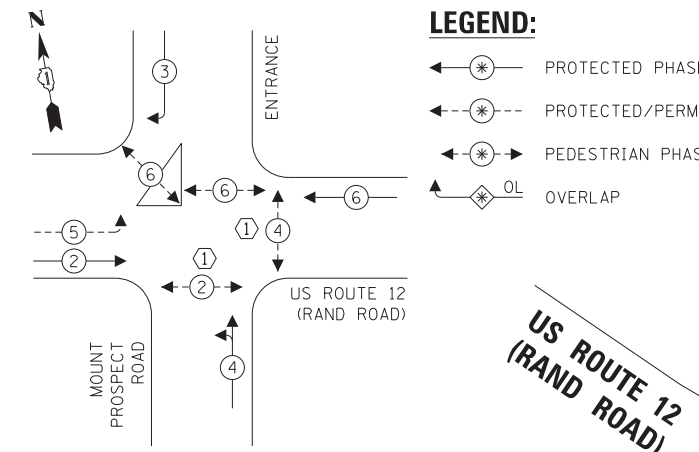
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN (SHEET 1 OF 2)  
 US ROUTE 12 (RAND ROAD) AND MOUNT PROSPECT ROAD  
 SCALE: 1" = 20' SHEET 6 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	142
CONTRACT NO. 61H44				
ILLINOIS FED. AID PROJECT				

**TEMPORARY CONTROLLER SEQUENCE**



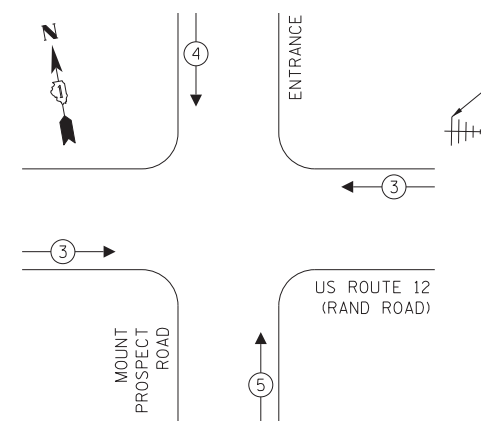
**LEGEND:**

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

**CONSTRUCTION NOTES:**

① THE CONTRACTOR SHALL MAKE THE MAXIMUM EFFORT TO MAINTAIN THE CROSSWALK OPENED FOR AS LONG AS POSSIBLE DURING CONSTRUCTION. WHEN A CROSSWALK WILL BE CLOSED, THE CONTRACTOR SHALL DISABLE THE PEDESTRIAN PHASE AND BAG THE PEDESTRIAN SIGNAL HEAD SIGNAL AND PEDESTRIAN PUSH-BUTTON ASSOCIATED WITH THE CLOSED CROSSWALK.

**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**



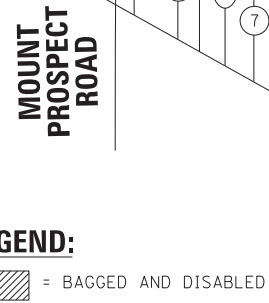
**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	11	50	71.5
(YELLOW)	13	20	5	13.0
(GREEN)	15	12	45	81.0
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	6	250	50	750.0
TOTAL =				1314.5

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAY/DISTRICT 1  
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096  
 ENERGY SUPPLY: CONTACT: NEW BUSINESS  
 PHONE: NEW PHONE  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---

US ROUTE 12 (RAND ROAD)



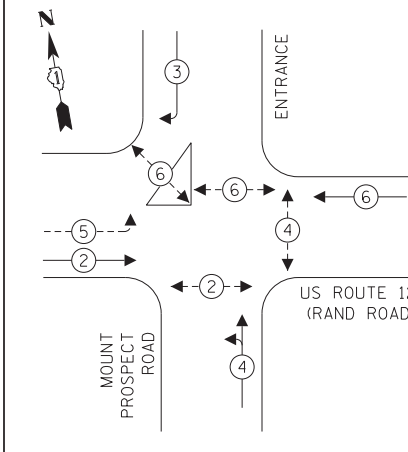
**LEGEND:**

- ▨ = BAGGED AND DISABLED

**MOT STAGE 3 TEMPORARY CABLE PLAN**  
(NOT TO SCALE)

TS 9655  
ECON 162

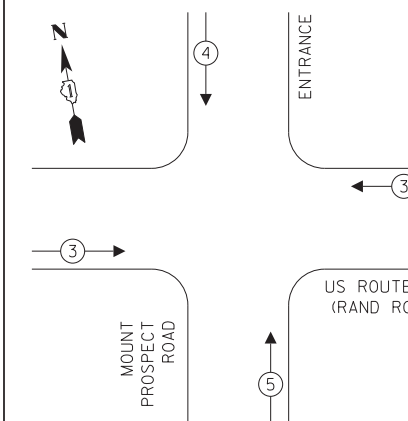
**TEMPORARY CONTROLLER SEQUENCE**



**LEGEND:**

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

**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	11	50	71.5
(YELLOW)	13	20	5	13.0
(GREEN)	15	12	45	81.0
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	6	250	50	750.0
TOTAL =				1314.5

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAY/DISTRICT 1  
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096  
 ENERGY SUPPLY: CONTACT: NEW BUSINESS  
 PHONE: NEW PHONE  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---

US ROUTE 12 (RAND ROAD)

**LEGEND:**

- ▨ = BAGGED AND DISABLED

**FINAL GEOMETRY TEMPORARY CABLE PLAN**  
(NOT TO SCALE)

TS 9655  
ECON 162

FILE NAME = N:\MOUNTPROSPECT\200015\Tr-offic\Rand-M...  
 USER NAME = rhowellindgren  
 DESIGNED - BC  
 DRAWN - FPB  
 CHECKED - TFS  
 DATE -  
 PLOT SCALE = 20'  
 PLOT DATE = 5/4/2022

REVISOR -  
 REVISION -  
 REVISION -  
 REVISION -  
 REVISION -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN (SHEET 2 OF 2)  
US ROUTE 12 (RAND ROAD) AND MOUNT PROSPECT ROAD

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	143
CONTRACT NO. 61H44				
ILLINOIS FED. AID PROJECT				

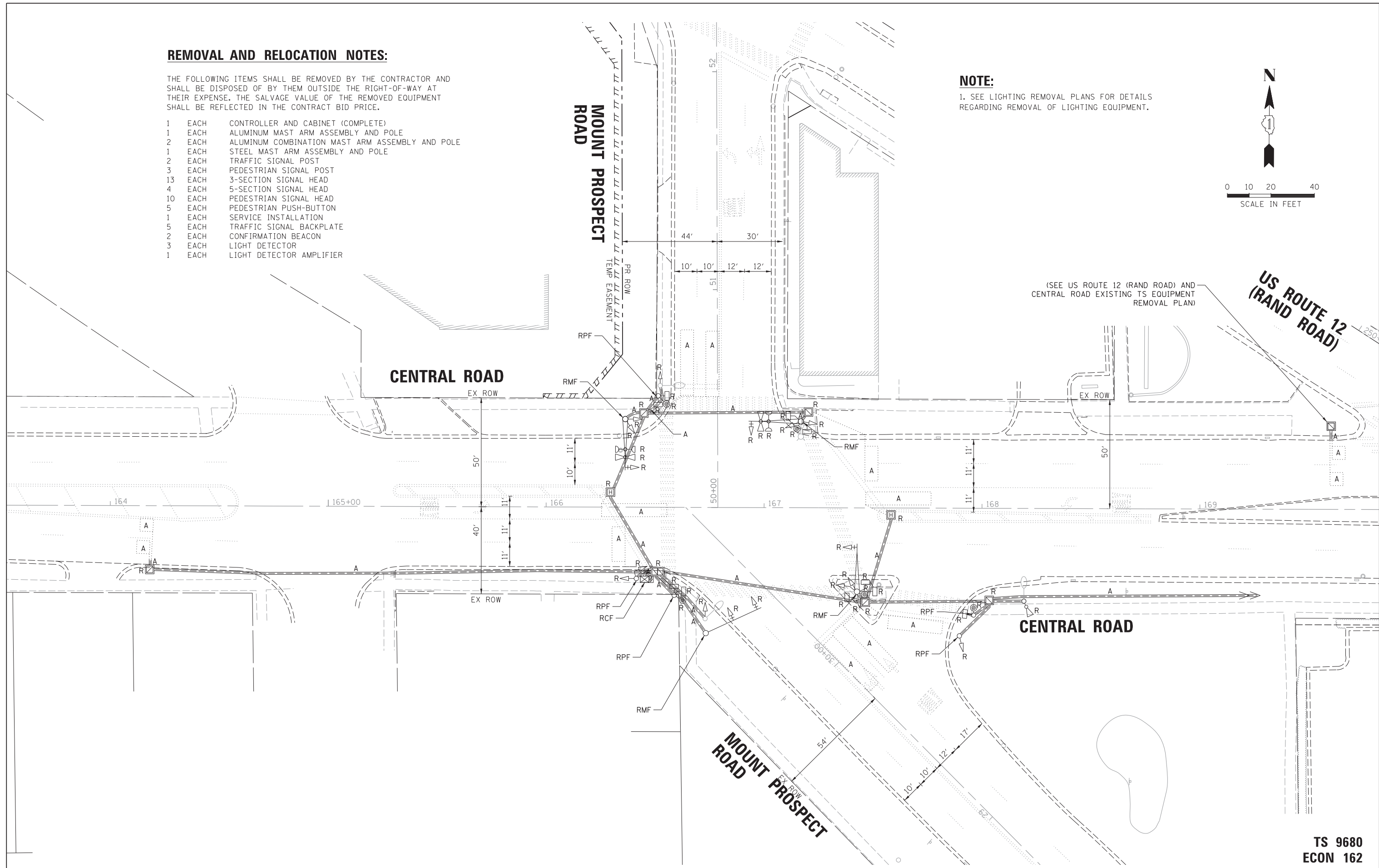
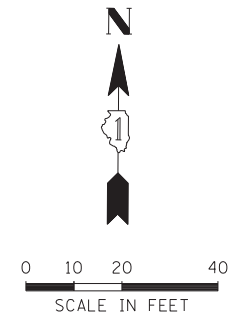
**REMOVAL AND RELOCATION NOTES:**

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

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 1 EACH ALUMINUM MAST ARM ASSEMBLY AND POLE
- 2 EACH ALUMINUM COMBINATION MAST ARM ASSEMBLY AND POLE
- 1 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 2 EACH TRAFFIC SIGNAL POST
- 3 EACH PEDESTRIAN SIGNAL POST
- 13 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 10 EACH PEDESTRIAN SIGNAL HEAD
- 5 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION
- 5 EACH TRAFFIC SIGNAL BACKPLATE
- 2 EACH CONFIRMATION BEACON
- 3 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

**NOTE:**

1. SEE LIGHTING REMOVAL PLANS FOR DETAILS REGARDING REMOVAL OF LIGHTING EQUIPMENT.



**TS 9680  
ECON 162**

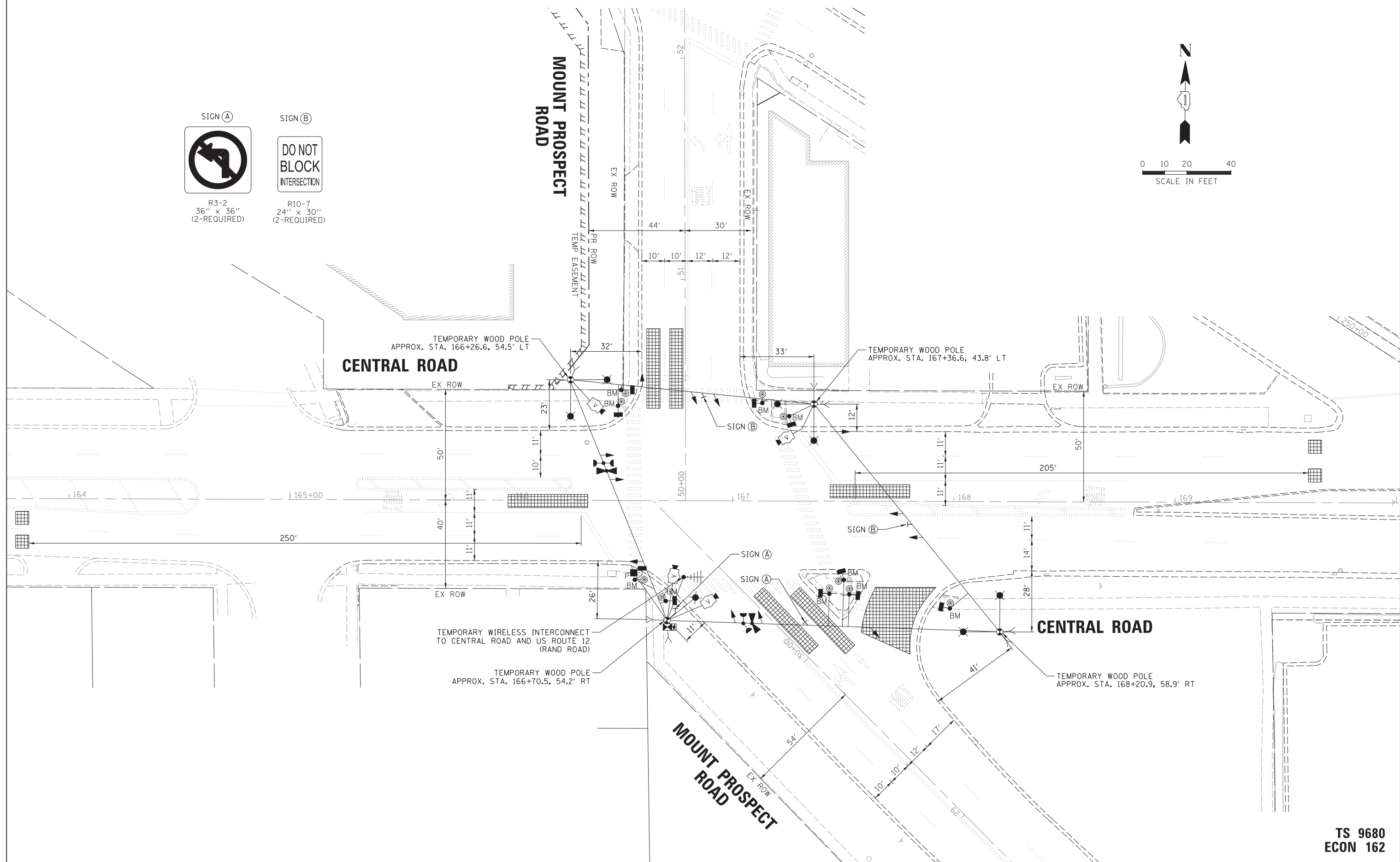
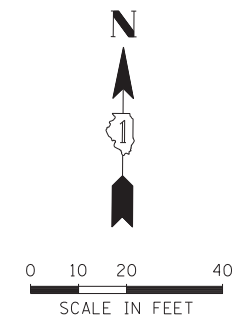
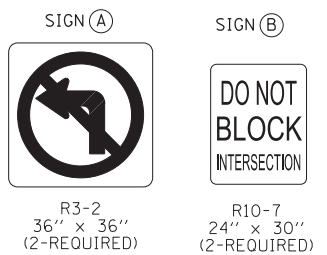
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default		CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN  
CENTRAL ROAD AND MOUNT PROSPECT ROAD**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	144
CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT	



**TS 9680  
ECON 162**

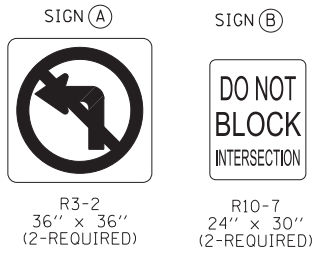
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N:\MOUNTPROSPECT\200015\Tr-offic\Mt Prospect-Central_02.TMP EX.dgn		DRAWN - FPB	REVISED -
default	PLOT SCALE = 28'	CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN - EXISTING CONDITION  
CENTRAL ROAD AND MOUNT PROSPECT ROAD**

SCALE: 1" = 20' SHEET 2 OF 6 SHEETS STA. TO STA.

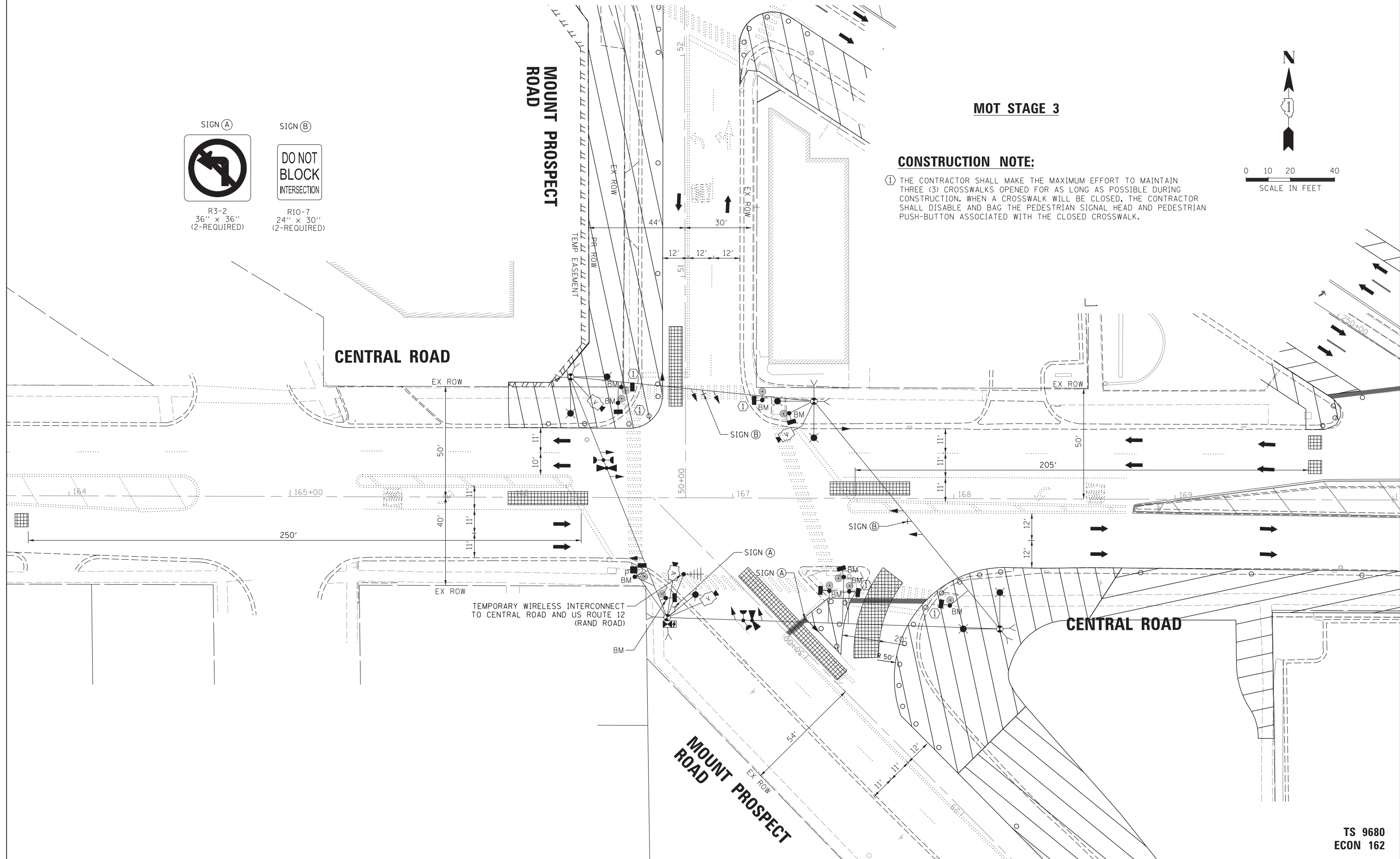
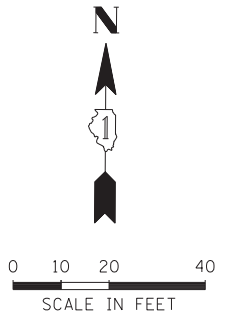
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	145
				CONTRACT NO. 61H44
ILLINOIS FED. AID PROJECT				



**MOT STAGE 3**

**CONSTRUCTION NOTE:**

- ① THE CONTRACTOR SHALL MAKE THE MAXIMUM EFFORT TO MAINTAIN THREE (3) CROSSWALKS OPENED FOR AS LONG AS POSSIBLE DURING CONSTRUCTION. WHEN A CROSSWALK WILL BE CLOSED, THE CONTRACTOR SHALL DISABLE AND BAG THE PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSH-BUTTON ASSOCIATED WITH THE CLOSED CROSSWALK.



FILE NAME =	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
N:\MOUNTPROSPECT\200015\Traffic\Mt Prospect-Central.03.MOT Stage 3.dgn		DRAWN - FPB	REVISED -
default	PLOT SCALE = 28'	CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

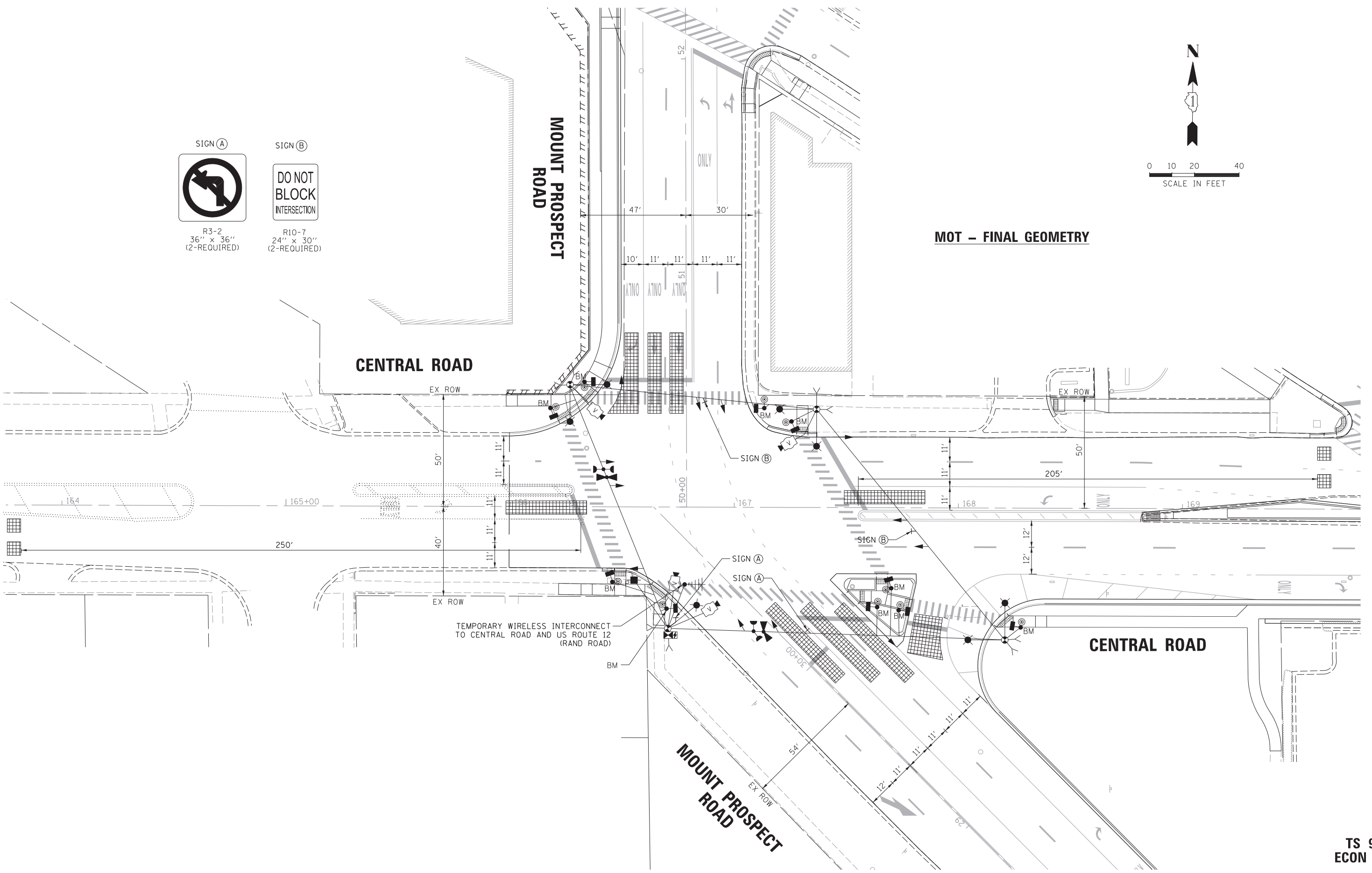
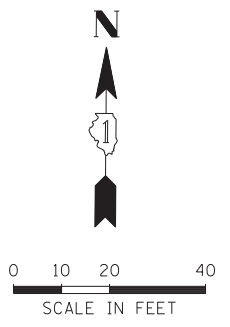
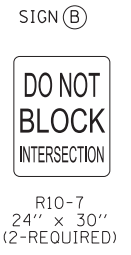
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN - MOT STAGE 3  
CENTRAL ROAD AND MOUNT PROSPECT ROAD**

SCALE: 1" = 20'    SHEET 3 OF 6 SHEETS    STA.                      TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	146
			CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT				

**TS 9680  
ECON 162**



FILE NAME =	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
N:\MOUNTPROSPECT\200015\Tr-offic\Mt Prospect-Central_05_TMP.PR.dgn		DRAWN - FPB	REVISED -
default	PLOT SCALE = 28'	CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

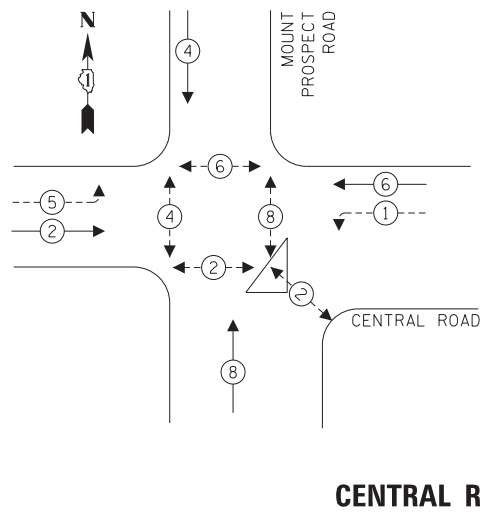
**TEMPORARY TRAFFIC SIGNAL PLAN - FINAL GEOMETRY  
CENTRAL ROAD AND MOUNT PROSPECT ROAD**

SCALE: 1" = 20'    SHEET 4 OF 6 SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	147
CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT	

**TS 9680  
ECON 162**

**TEMPORARY CONTROLLER SEQUENCE**



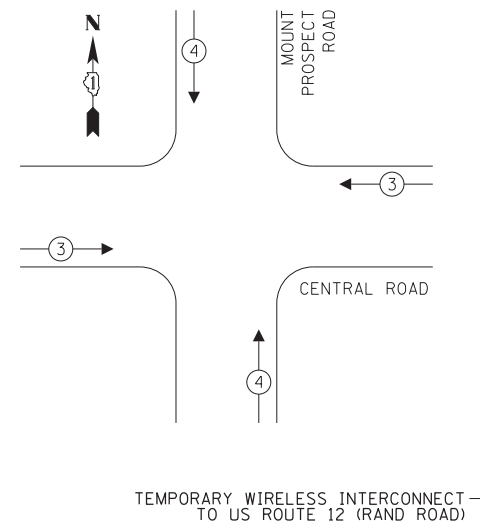
**LEGEND:**

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

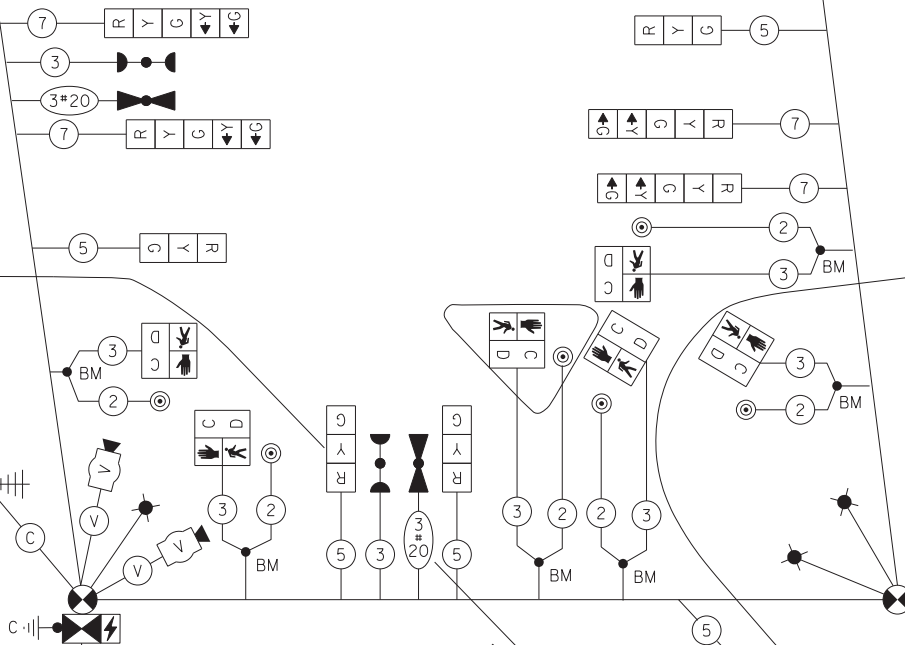


**CENTRAL ROAD**

**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**



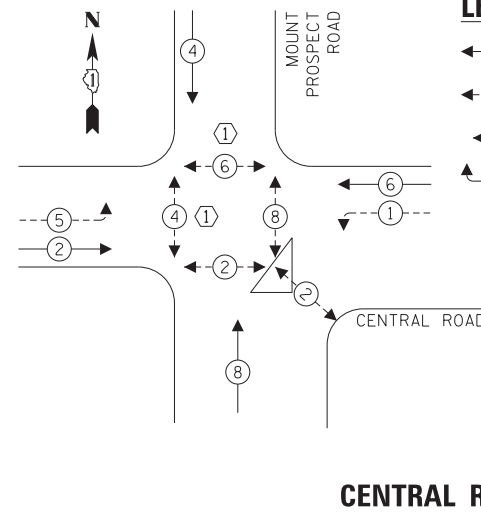
TEMPORARY WIRELESS INTERCONNECT TO US ROUTE 12 (RAND ROAD)



**EXISTING GEOMETRY  
TEMPORARY CABLE PLAN**  
(NOT TO SCALE)

**TS 9680  
ECON 162**

**TEMPORARY CONTROLLER SEQUENCE**



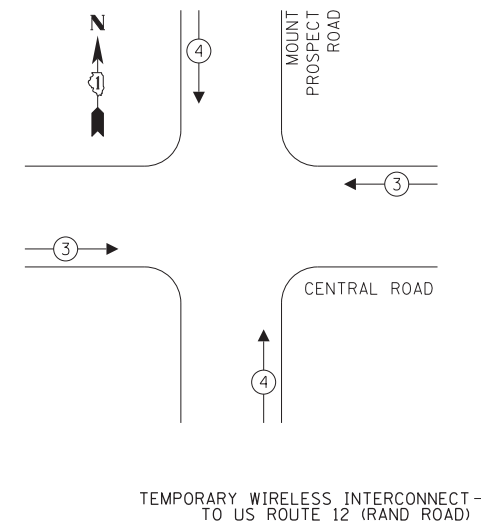
**LEGEND:**

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

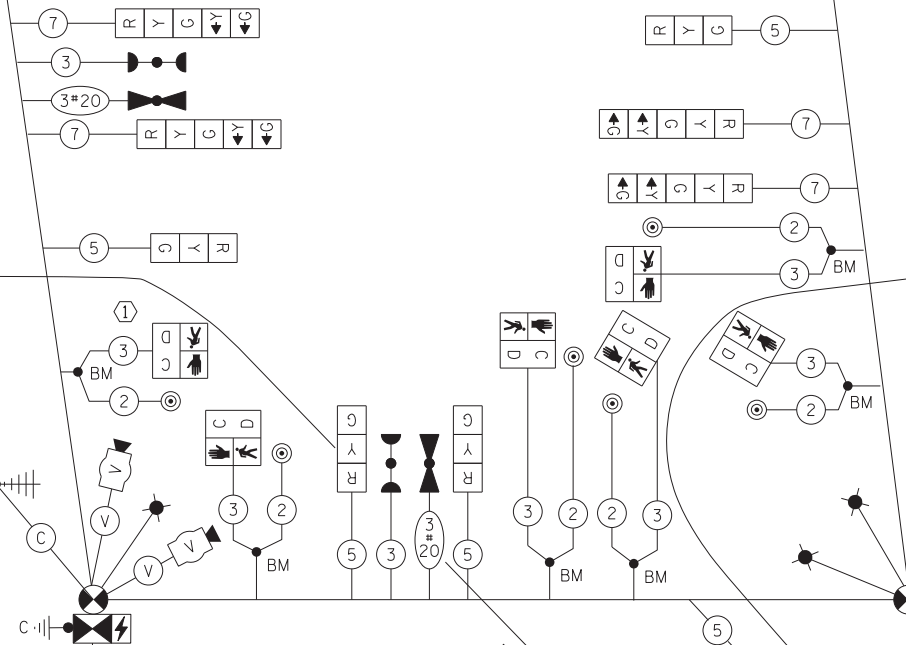


**CENTRAL ROAD**

**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**



TEMPORARY WIRELESS INTERCONNECT TO US ROUTE 12 (RAND ROAD)



**CONSTRUCTION NOTE:**

① THE CONTRACTOR SHALL MAKE THE MAXIMUM EFFORT TO MAINTAIN THREE (3) CROSSWALKS OPENED FOR AS LONG AS POSSIBLE DURING CONSTRUCTION. WHEN A CROSSWALK WILL BE CLOSED, THE CONTRACTOR SHALL DISABLE AND BAG THE PEDESTRIAN HEAD AND PEDESTRIAN PUSH-BUTTON ASSOCIATED WITH THE CLOSED CROSSWALK.

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	10	20	100	200.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	7	250	50	875.0
<b>TOTAL =</b>				<b>1500.8</b>

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAY/DISTRICT 1  
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: NEW BUSINESS  
PHONE: NEW PHONE  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

**MOT STAGE 3  
TEMPORARY CABLE PLAN**  
(NOT TO SCALE)

**TS 9680  
ECON 162**

FILE NAME =	USER NAME = rhowellindgren
default	PLLOT SCALE = 20'
	PLLOT DATE = 5/4/2022

DESIGNED - BC	REVISED -
DRAWN - FPB	REVISED -
CHECKED - TFS	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

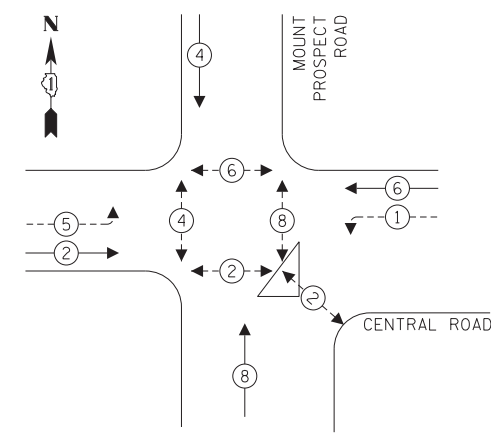
**TEMPORARY CABLE PLAN (SHEET 1 OF 2)  
CENTRAL ROAD AND MOUNT PROSPECT ROAD**

SCALE: 1" = 20' SHEET 5 OF 6 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	148
CONTRACT NO. 61H44				
ILLINOIS FED. AID PROJECT				



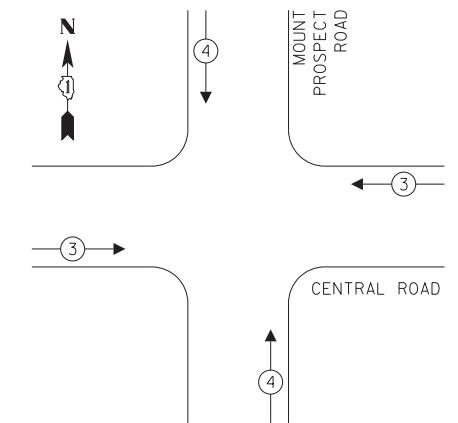
**TEMPORARY CONTROLLER SEQUENCE**



**LEGEND:**

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

**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**



TEMPORARY WIRELESS INTERCONNECT TO US ROUTE 12 (RAND ROAD)

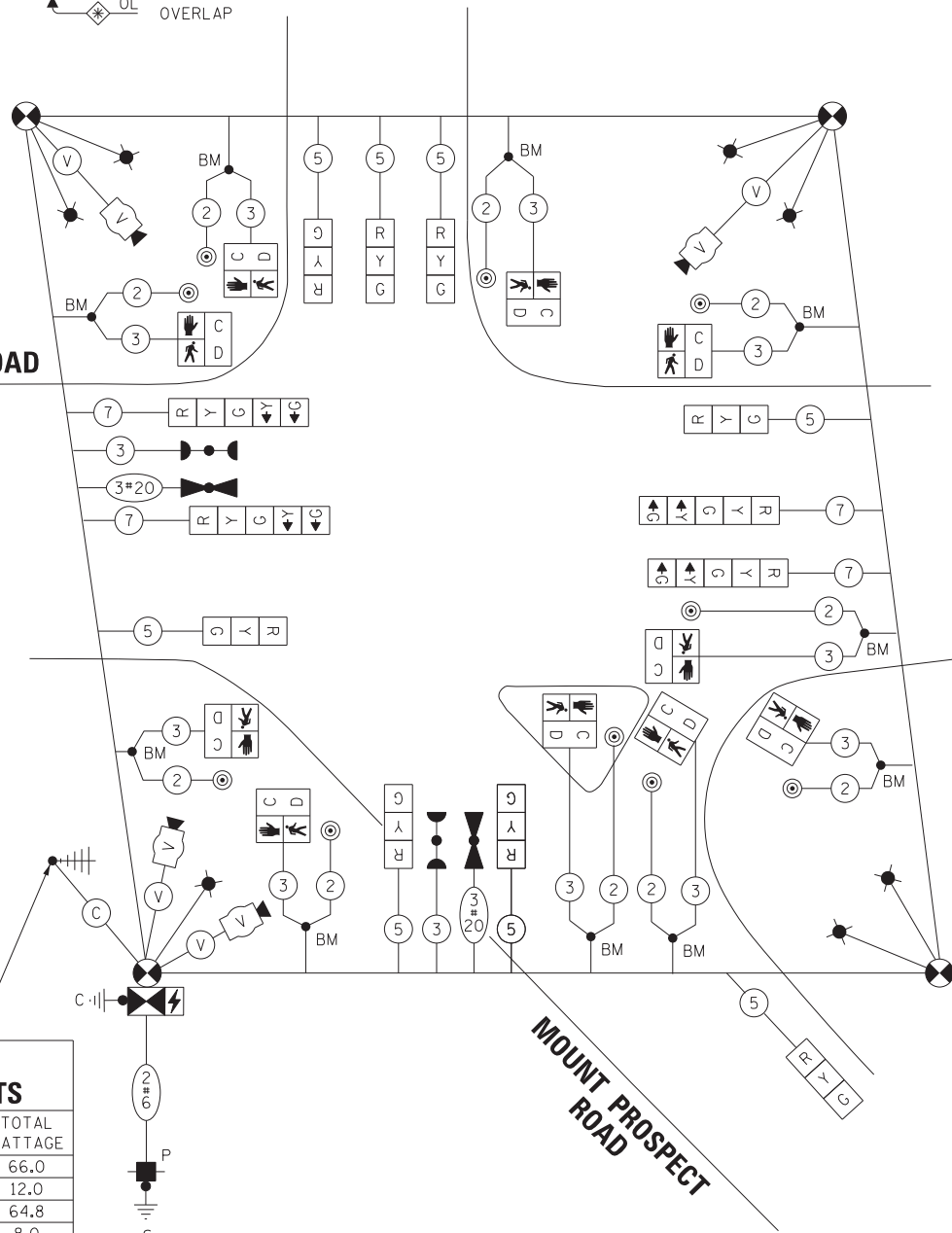
**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	10	20	100	200.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	7	250	50	875.0
TOTAL =				1500.8

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAY/DISTRICT 1  
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096  
 ENERGY SUPPLY: CONTACT: NEW BUSINESS  
 PHONE: NEW PHONE  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---

**FINAL GEOMETRY TEMPORARY CABLE PLAN**  
(NOT TO SCALE)



FILE NAME =	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
N:\MOUNTPROSPECT\200015\Tr-offic\Mt Prospect-Central.07.TCB2.dgn		DRAWN - FPB	REVISED -
default	PLOT SCALE = 28'	CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN (SHEET 2 OF 2) CENTRAL ROAD AND MOUNT PROSPECT ROAD**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	149
			CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT				

**TS 9680 ECON 162**

**CONSTRUCTION NOTE:**

① PRIOR TO THE ACTIVATION OF THE TEMPORARY INTERCONNECT, THE CONTRACTOR SHALL RELOCATE THE EXISTING MASTER CONTROLLER FROM THE INTERSECTION OF US ROUTE 12 (RAND RD) AND CENTRAL ROAD TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER AT THE INTERSECTION OF US ROUTE 12 (RAND RD) AND CENTRAL ROAD.

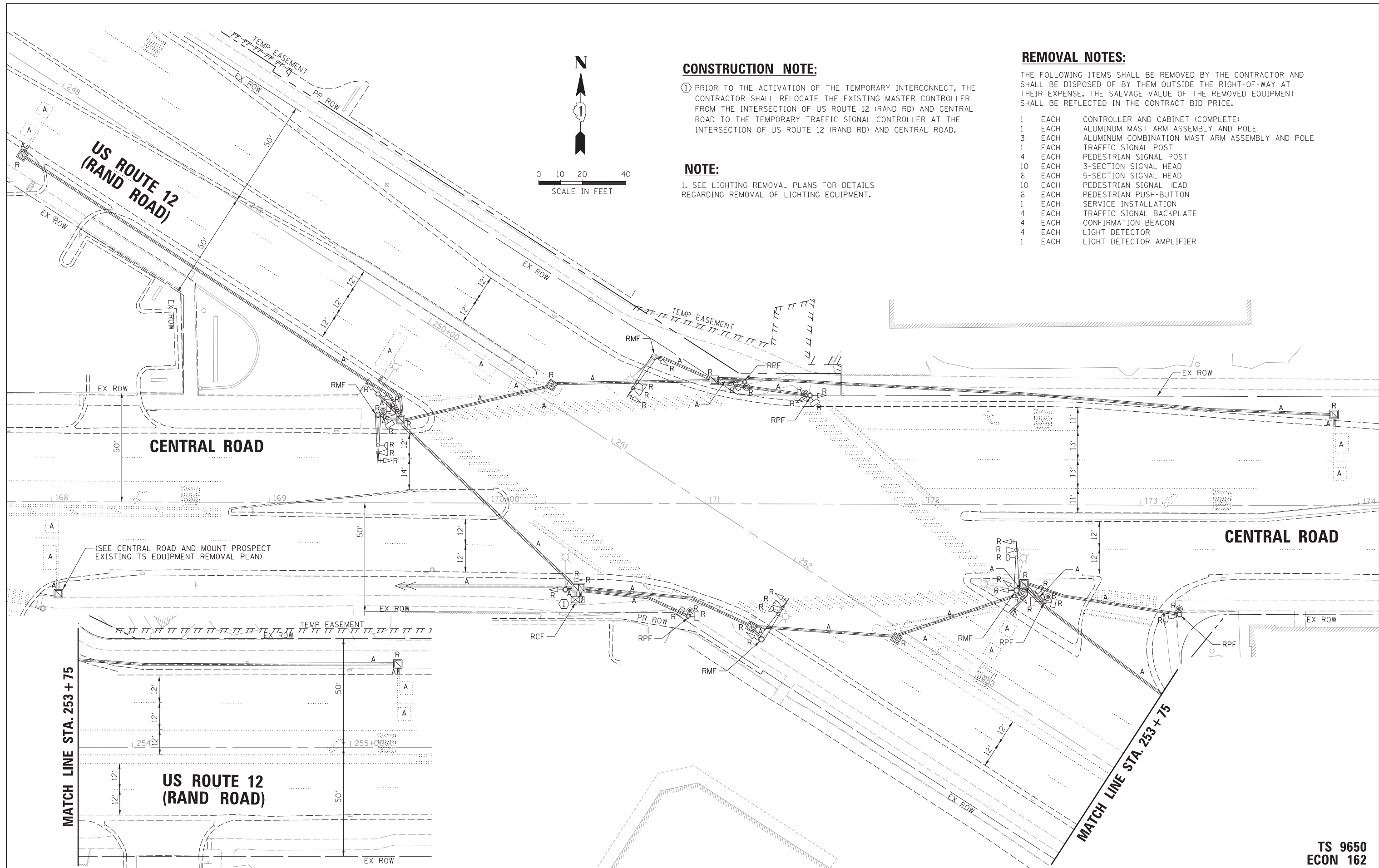
**NOTE:**

1. SEE LIGHTING REMOVAL PLANS FOR DETAILS REGARDING REMOVAL OF LIGHTING EQUIPMENT.

**REMOVAL NOTES:**

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

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 1 EACH ALUMINUM MAST ARM ASSEMBLY AND POLE
- 3 EACH ALUMINUM COMBINATION MAST ARM ASSEMBLY AND POLE
- 1 EACH TRAFFIC SIGNAL POST
- 4 EACH PEDESTRIAN SIGNAL POST
- 10 EACH 3-SECTION SIGNAL HEAD
- 6 EACH 5-SECTION SIGNAL HEAD
- 10 EACH PEDESTRIAN SIGNAL HEAD
- 6 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION
- 4 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH CONFIRMATION BEACON
- 4 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER



FILE NAME =	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
N:\MOUNTPROSPECT\200015\Traffic\Central-Rand\01.REM.dgn		DRAWN - FPB	REVISED -
default		CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN  
US ROUTE 12 (RAND ROAD) AND CENTRAL ROAD

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

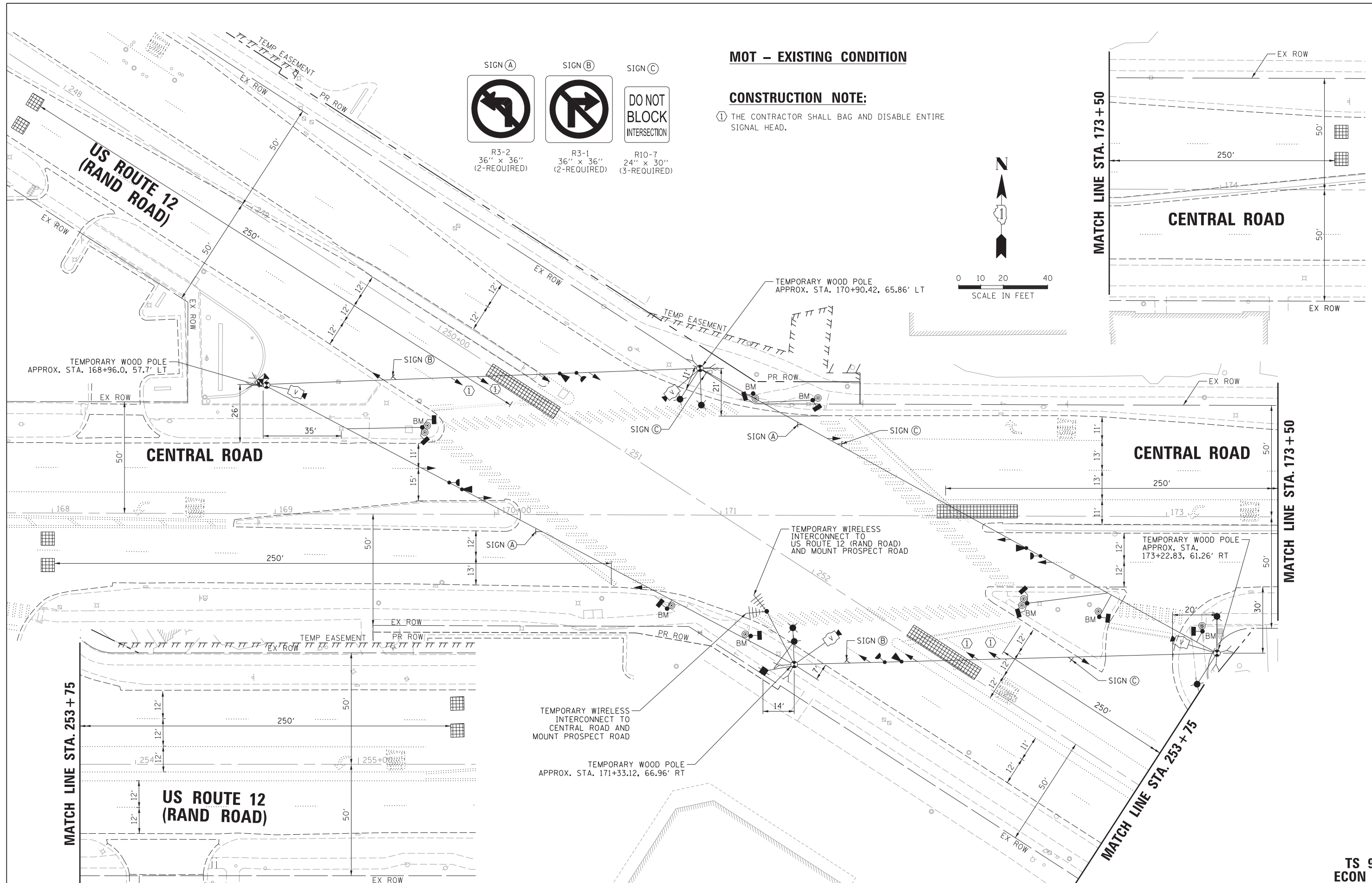
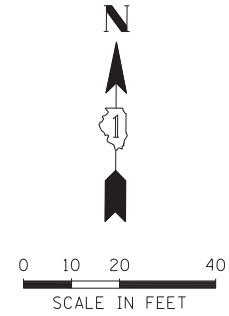
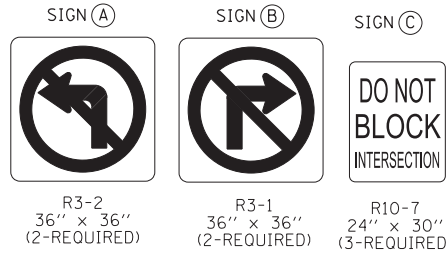
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	150
			CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT				

TS 9650  
ECON 162

**MOT - EXISTING CONDITION**

**CONSTRUCTION NOTE:**

- ① THE CONTRACTOR SHALL BAG AND DISABLE ENTIRE SIGNAL HEAD.



**TS 9650  
ECON 162**

FILE NAME = N:\MOUNTPROSPECT\200015\Traffic\Central	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
default	Rand_02.TMP EX.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 20'	CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN - EXISTING CONDITION  
US ROUTE 12 (RAND ROAD) AND CENTRAL ROAD**

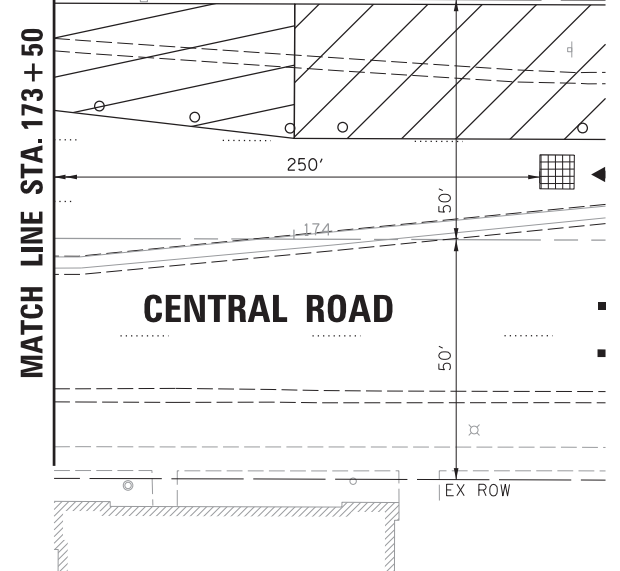
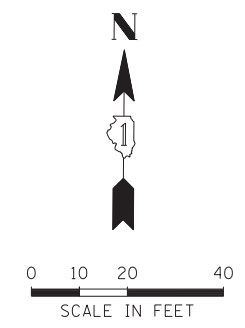
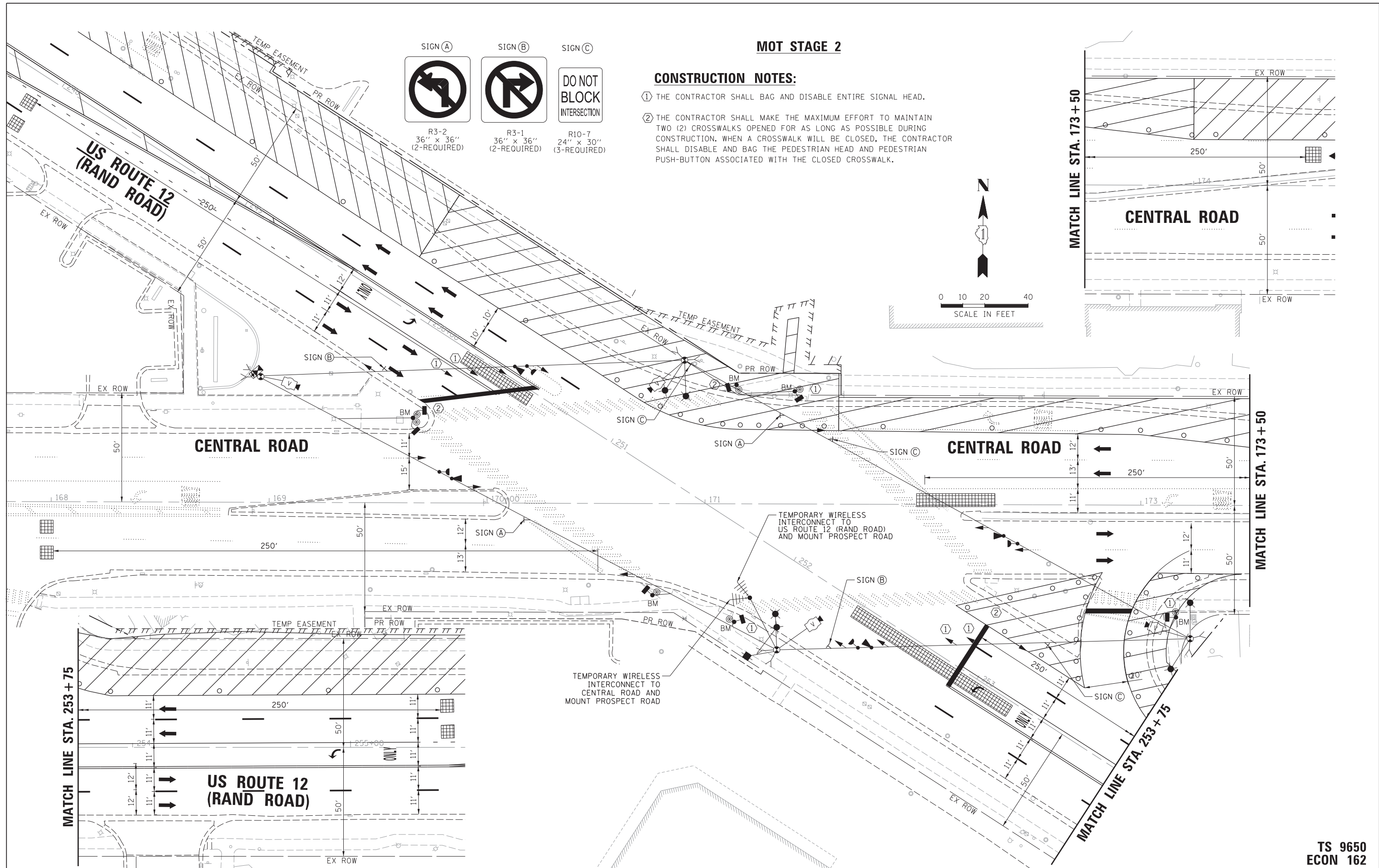
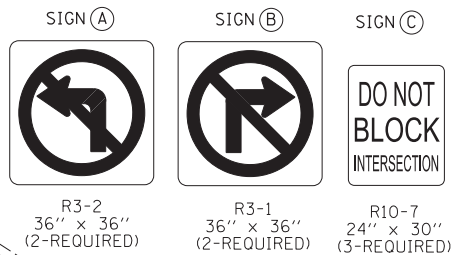
SCALE: 1" = 20' SHEET 2 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	151
				CONTRACT NO. 61H44
ILLINOIS FED. AID PROJECT				

**MOT STAGE 2**

**CONSTRUCTION NOTES:**

- ① THE CONTRACTOR SHALL BAG AND DISABLE ENTIRE SIGNAL HEAD.
- ② THE CONTRACTOR SHALL MAKE THE MAXIMUM EFFORT TO MAINTAIN TWO (2) CROSSWALKS OPENED FOR AS LONG AS POSSIBLE DURING CONSTRUCTION. WHEN A CROSSWALK WILL BE CLOSED, THE CONTRACTOR SHALL DISABLE AND BAG THE PEDESTRIAN HEAD AND PEDESTRIAN PUSH-BUTTON ASSOCIATED WITH THE CLOSED CROSSWALK.



MATCH LINE STA. 253 + 75

MATCH LINE STA. 173 + 50

**TS 9650  
ECON 162**

FILE NAME = N:\MOUNTPROSPECT\200015\Traffic\Central-Rand_03.MOT Stage 2.dgn	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
default	PLOT SCALE = 28'	DRAWN - FPB	REVISED -
	PLOT DATE = 5/4/2022	CHECKED - TFS	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN - MOT STAGE 2  
US ROUTE 12 (RAND ROAD) AND CENTRAL ROAD**

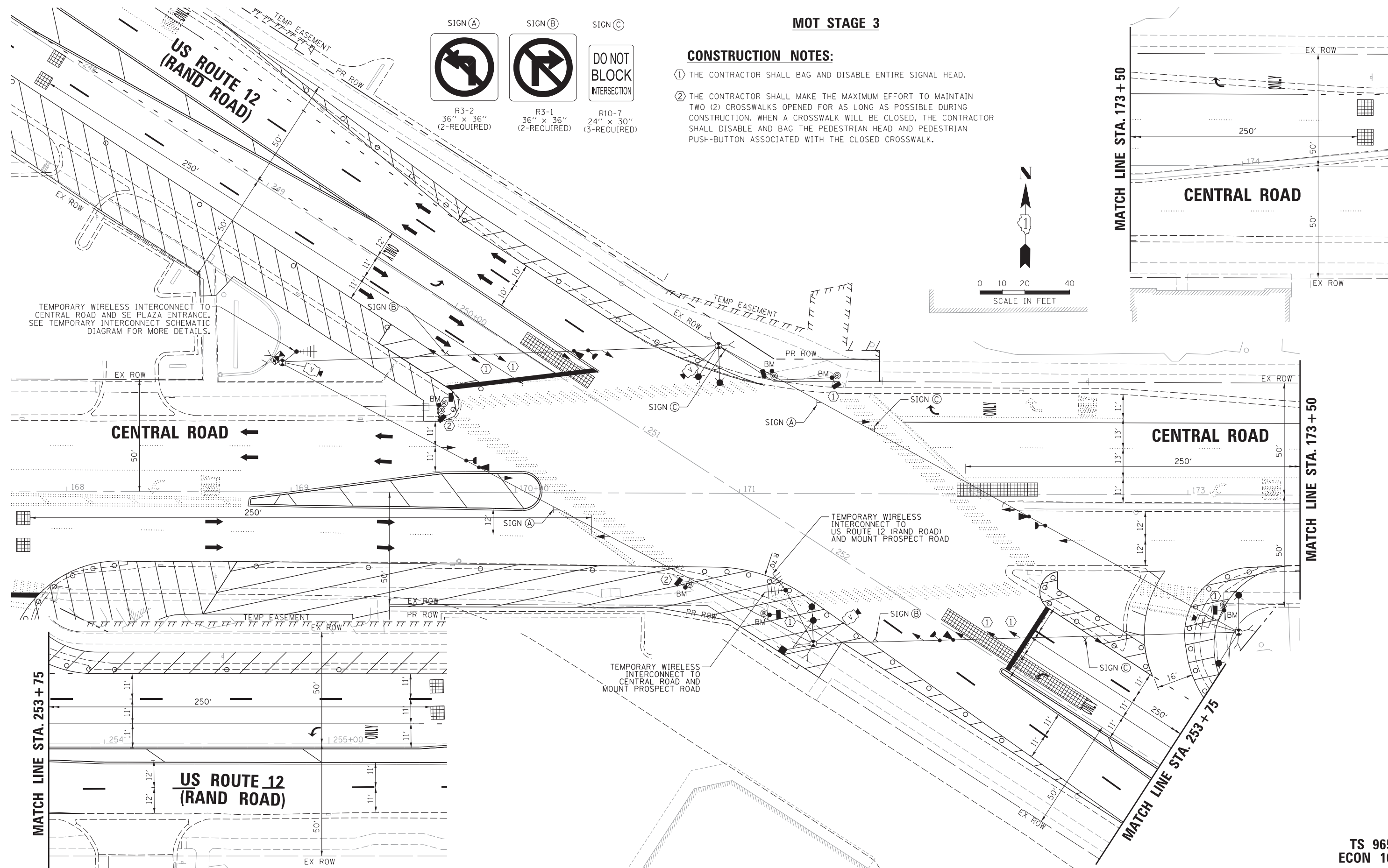
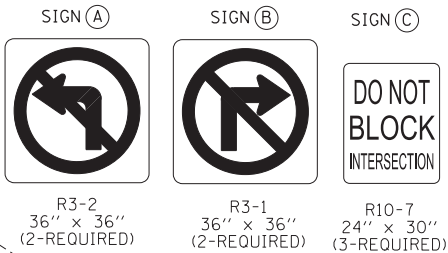
F.A. RTE. 334	SECTION 17-00166-00-CH	COUNTY COOK	TOTAL SHEETS 264	SHEET NO. 152
			CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET 3 OF 7 SHEETS STA. TO STA.

**MOT STAGE 3**

**CONSTRUCTION NOTES:**

- ① THE CONTRACTOR SHALL BAG AND DISABLE ENTIRE SIGNAL HEAD.
- ② THE CONTRACTOR SHALL MAKE THE MAXIMUM EFFORT TO MAINTAIN TWO (2) CROSSWALKS OPENED FOR AS LONG AS POSSIBLE DURING CONSTRUCTION. WHEN A CROSSWALK WILL BE CLOSED, THE CONTRACTOR SHALL DISABLE AND BAG THE PEDESTRIAN HEAD AND PEDESTRIAN PUSH-BUTTON ASSOCIATED WITH THE CLOSED CROSSWALK.



FILE NAME = N:\MOUNTPROSPECT\200015\Traffic\Central-Rand_04.MOT Stage 3.dgn	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
default	PLOT SCALE = 28'	DRAWN - FPB	REVISED -
	PLOT DATE = 5/4/2022	CHECKED - TFS	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLAN - MOT STAGE 3  
US ROUTE 12 (RAND ROAD) AND CENTRAL ROAD**

SCALE: 1" = 20' SHEET 4 OF 7 SHEETS STA. TO STA.



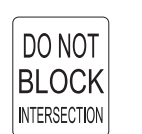
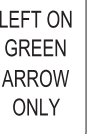
F.A. RTE. 334	SECTION 17-00166-00-CH	COUNTY COOK	TOTAL SHEETS 264	SHEET NO. 153
			CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT				

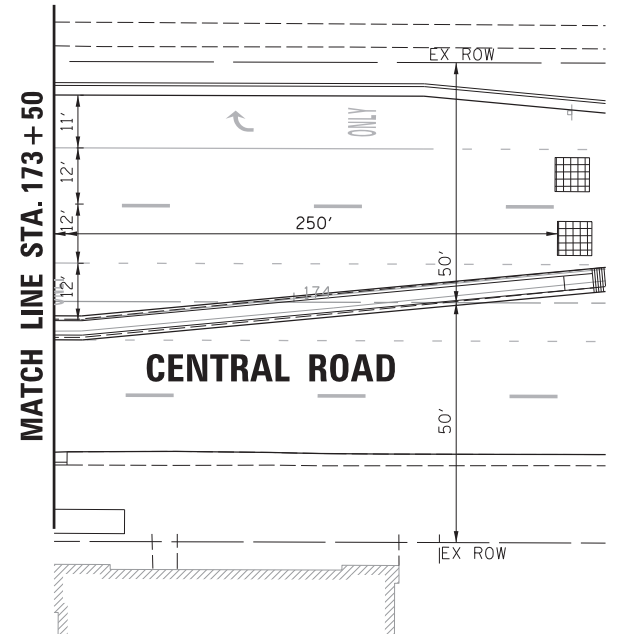
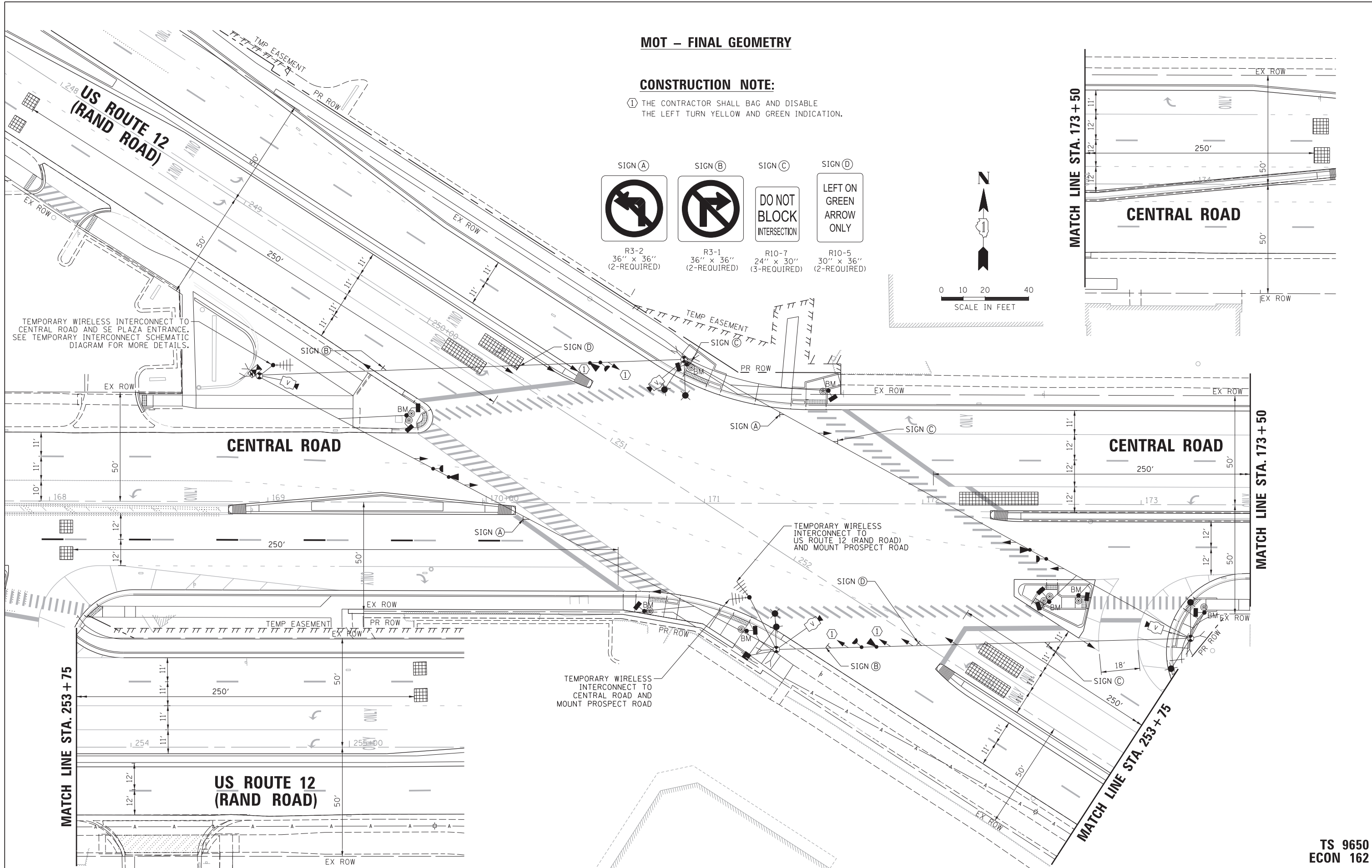
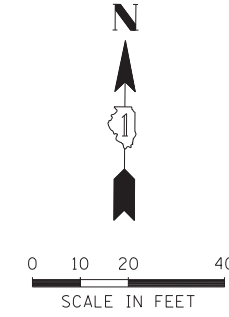
**TS 9650  
ECON 162**

**MOT – FINAL GEOMETRY**

**CONSTRUCTION NOTE:**

① THE CONTRACTOR SHALL BAG AND DISABLE THE LEFT TURN YELLOW AND GREEN INDICATION.

<b>SIGN (A)</b>  R3-2 36" x 36" (2-REQUIRED)	<b>SIGN (B)</b>  R3-1 36" x 36" (2-REQUIRED)	<b>SIGN (C)</b>  R10-7 24" x 30" (3-REQUIRED)	<b>SIGN (D)</b>  R10-5 30" x 36" (2-REQUIRED)
---	---	--	--



MATCH LINE STA. 173 + 50

MATCH LINE STA. 253 + 75

MATCH LINE STA. 253 + 75

FILE NAME = N:\MOUNTPROSPECT\200015\Traffic\Central-Rand_05.TMP_FINAL.dgn	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
default	PLOT SCALE = 28'	DRAWN - FPB	REVISED -
	PLOT DATE = 5/4/2022	CHECKED - TFS	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

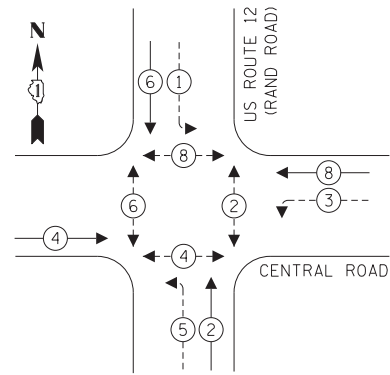
**TEMPORARY TRAFFIC SIGNAL PLAN – FINAL GEOMETRY  
US ROUTE 12 (RAND ROAD) AND CENTRAL ROAD**

SCALE: 1" = 20' SHEET 5 OF 7 SHEETS STA. TO STA.

F.A. RTE. 334	SECTION 17-00166-00-CH	COUNTY COOK	TOTAL SHEETS 264	SHEET NO. 154
				CONTRACT NO. 61H44
ILLINOIS FED. AID PROJECT				

**TS 9650  
ECON 162**

**TEMPORARY CONTROLLER SEQUENCE**



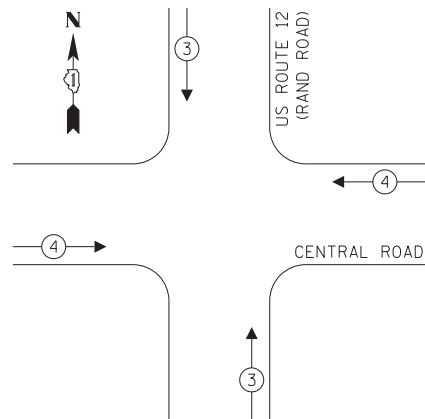
**LEGEND:**

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

**CONSTRUCTION NOTE:**

- ① THE CONTRACTOR SHALL BAG AND DISABLE ENTIRE SIGNAL HEAD.

**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**

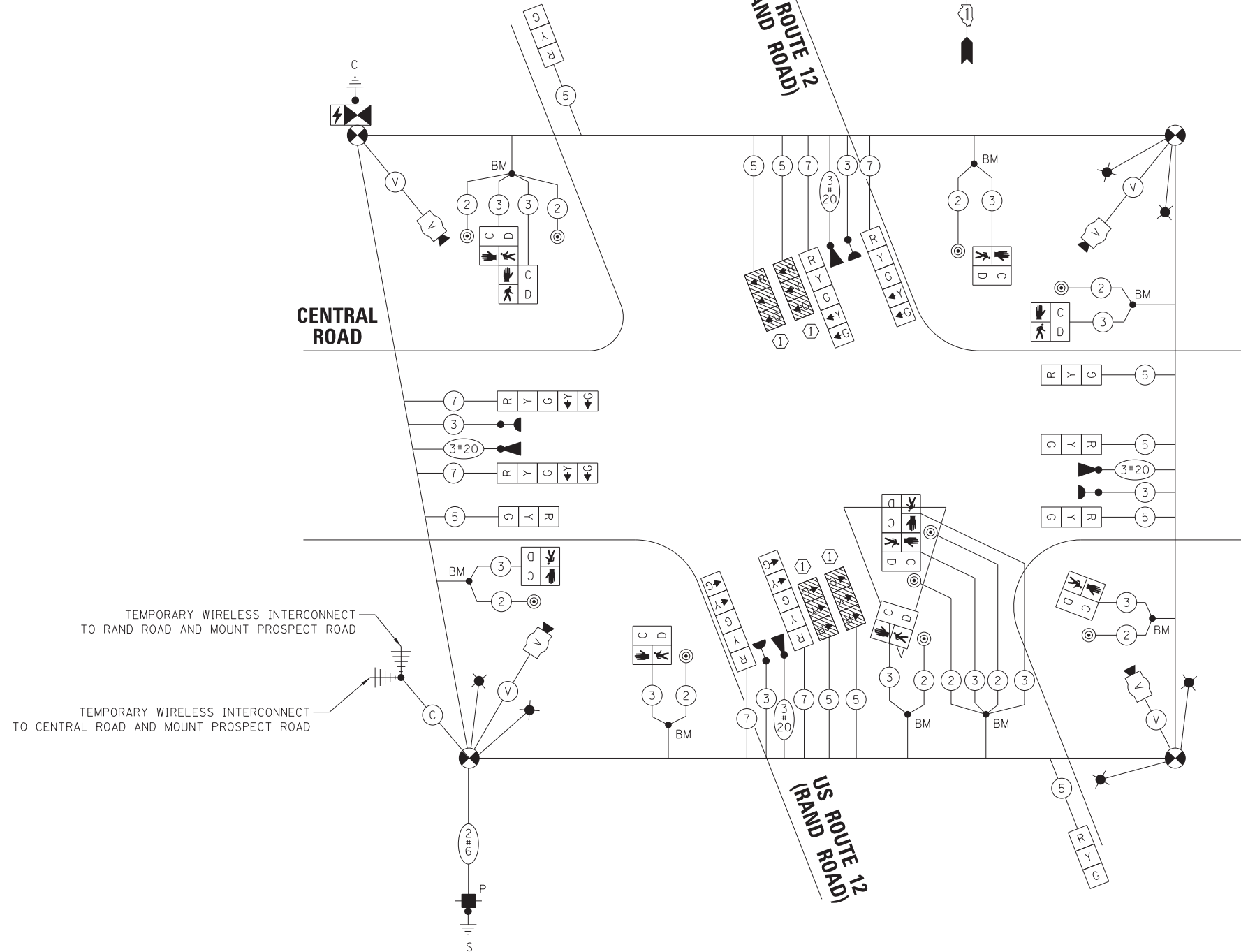


**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	12	10	10	12.0
PED. SIGNAL	10	20	100	200.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	6	250	50	750.0
TOTAL =				1379.8

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAY/DISTRICT 1  
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096  
 ENERGY SUPPLY: CONTACT: NEW BUSINESS  
 PHONE: NEW PHONE  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---



**EXISTING CONDITION  
 TEMPORARY CABLE PLAN**  
 (NOT TO SCALE)

**LEGEND:**

- = BAGGED AND DISABLED

FILE NAME = USER NAME = rhowellindgren  
 N:\MOUNTPROSPECT\200015\Traffic\Central-Rand\_06.TCB\_A\_Existing.dgn  
 PLOT SCALE = 28'  
 PLOT DATE = 5/4/2022

DESIGNED - BC  
 DRAWN - FPB  
 CHECKED - TFS  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

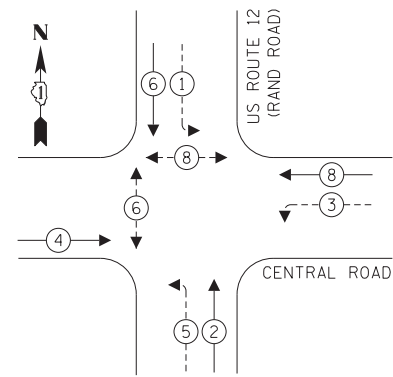
**TEMPORARY CABLE PLAN - EXISTING CONDITION  
 US ROUTE 12 (RAND ROAD) AND CENTRAL ROAD**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	155
				CONTRACT NO. 61H44
ILLINOIS FED. AID PROJECT				

**TS 9650  
 ECON 162**

SCALE: N.T.S. 20' SHEET 7 OF 7 SHEETS STA. TO STA.

**TEMPORARY CONTROLLER SEQUENCE**



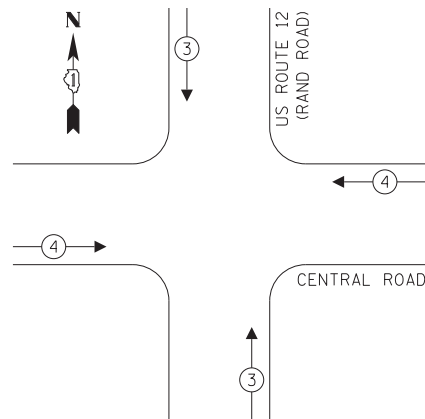
**LEGEND:**

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

**CONSTRUCTION NOTE:**

- ① THE CONTRACTOR SHALL BAG AND DISABLE ENTIRE SIGNAL HEAD.
- ② FOR THE MOT STAGES INDICATED, THE CONTRACTOR SHALL MAKE THE MAXIMUM EFFORT TO MAINTAIN THREE (3) CROSSWALKS OPENED FOR AS LONG AS POSSIBLE DURING CONSTRUCTION. WHEN A CROSSWALK WILL BE CLOSED, THE CONTRACTOR SHALL DISABLE AND BAG THE PEDESTRIAN HEAD AND PEDESTRIAN PUSH-BUTTON ASSOCIATED WITH THE CLOSED CROSSWALK.

**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	11	11	50	60.5
(YELLOW)	11	20	5	11.0
(GREEN)	11	12	45	59.4
PERMISSIVE ARROW	12	10	10	12.0
PED. SIGNAL	10	20	100	200.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	6	250	50	750.0
TOTAL =				1367.9

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAY/DISTRICT 1  
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: NEW BUSINESS  
PHONE: NEW PHONE  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---

FILE NAME = USER NAME = rhowellindgren  
N:\MOUNTPROSPECT\200015\Traffic\Central-Rand.06.TCB B.2&3.dgn  
PLOT SCALE = 20'  
PLOT DATE = 5/4/2022

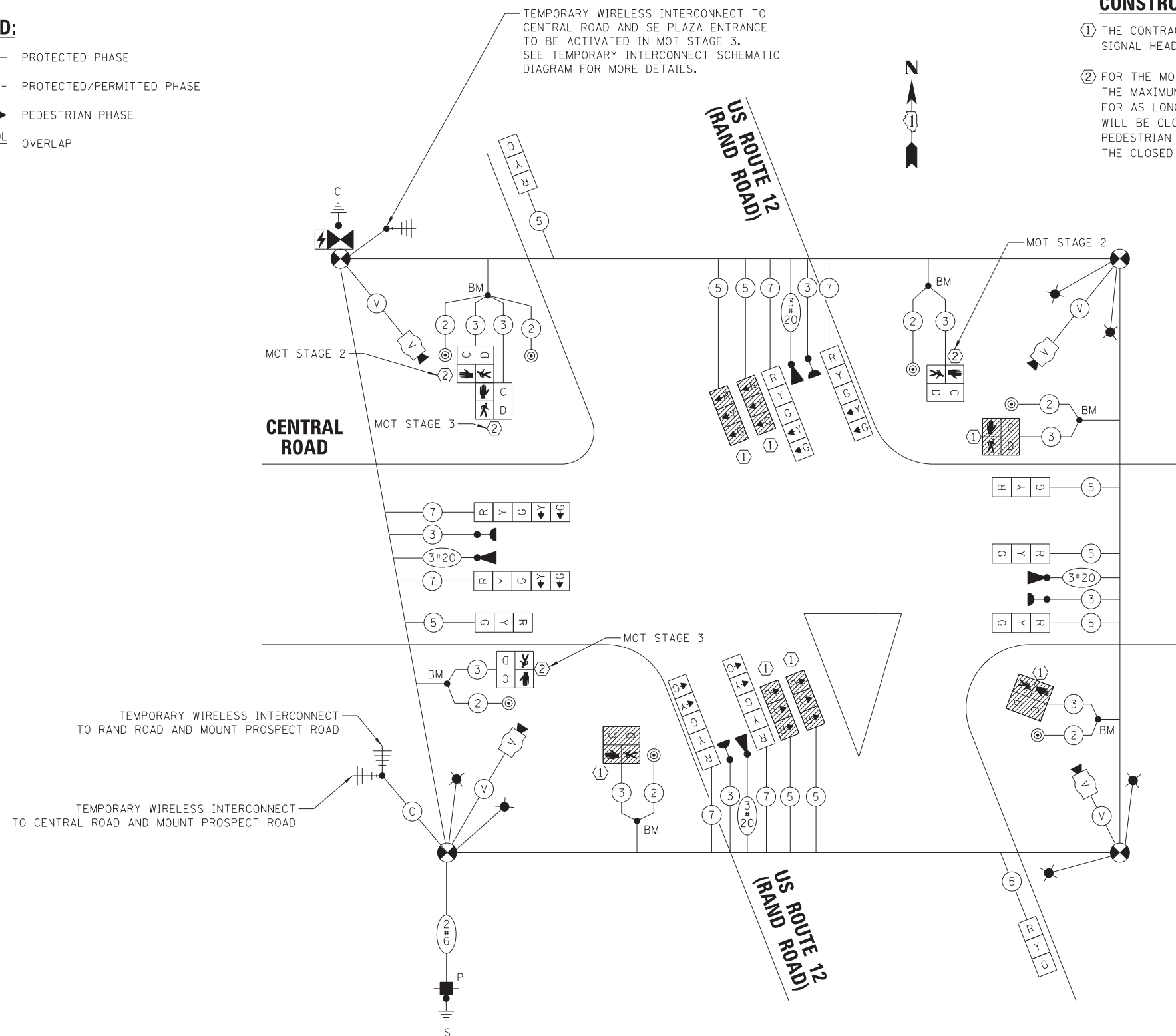
DESIGNED - BC  
DRAWN - FPB  
CHECKED - TFS  
DATE -  
REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN - MOT STAGE 2 AND MOT STAGE 3  
US ROUTE 12 (RAND ROAD) AND CENTRAL ROAD

SCALE: N.T.S. 20' SHEET 6 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	156
				CONTRACT NO. 61H44
ILLINOIS FED. AID PROJECT				



**LEGEND:**

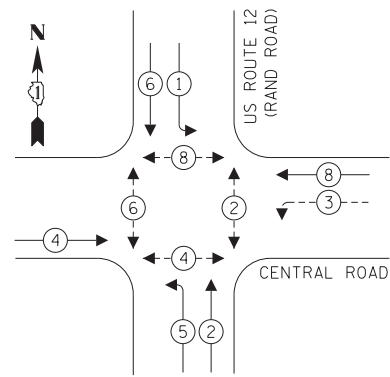
[Hatched Box] = BAGGED AND DISABLED

**MOT STAGES 2 & 3  
TEMPORARY CABLE PLAN**  
(NOT TO SCALE)

**TS 9650  
ECON 162**



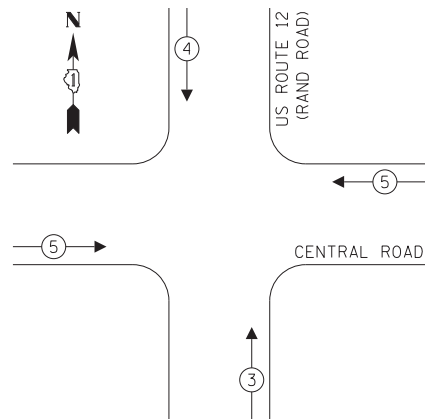
**TEMPORARY CONTROLLER SEQUENCE**



**LEGEND:**

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

**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**

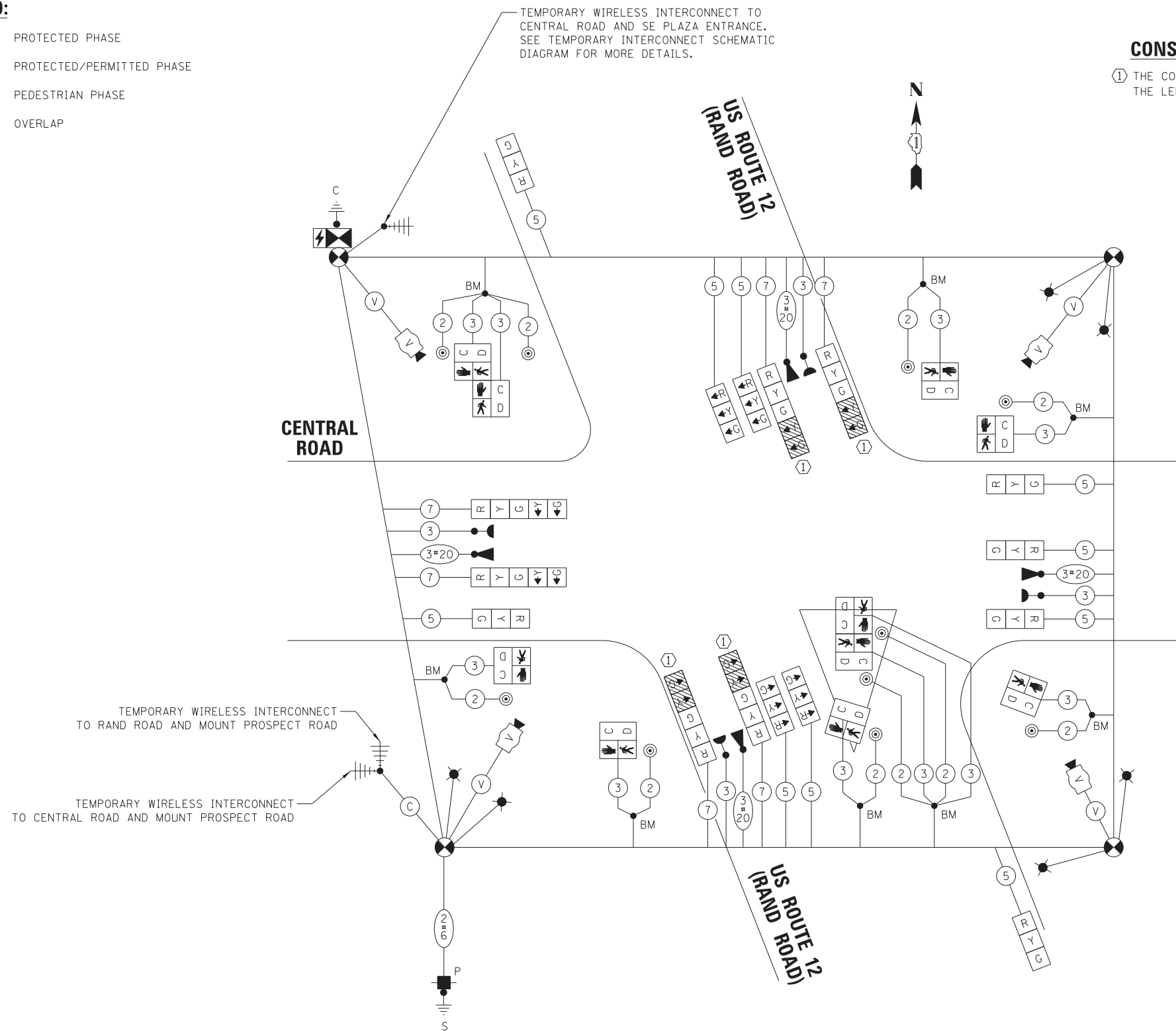


**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	10	20	100	200.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	6	250	50	750.0
TOTAL =				1419.4

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAY/DISTRICT 1  
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096  
 ENERGY SUPPLY: CONTACT: NEW BUSINESS  
 PHONE: NEW PHONE  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---



**CONSTRUCTION NOTE:**

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE LEFT TURN YELLOW AND GREEN INDICATION.

**LEGEND:**

- = BAGGED AND DISABLED

**FINAL GEOMETRY  
 TEMPORARY CABLE PLAN  
 (NOT TO SCALE)**

**TS 9650  
 ECON 162**

FILE NAME = USER NAME = rhowellindgren  
 N:\MOUNTPROSPECT\200015\Traffic\Central-Rand\_09\_TCB4\_FINAL.dgn  
 PLOT SCALE = 28'  
 PLOT DATE = 5/4/2022

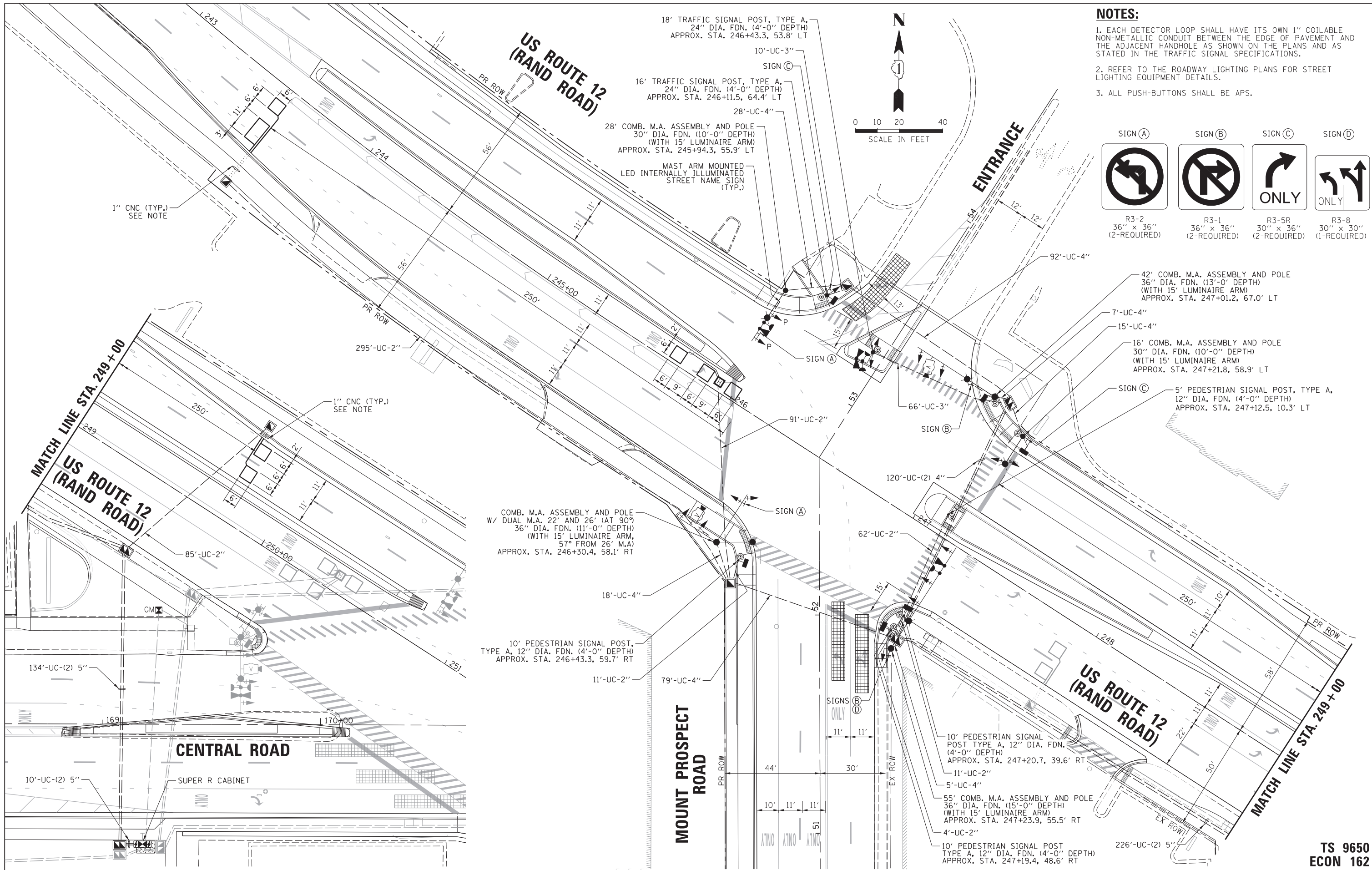
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 DRAWN - FPB  
 CHECKED - TFS  
 DATE -

REVISED -  
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 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

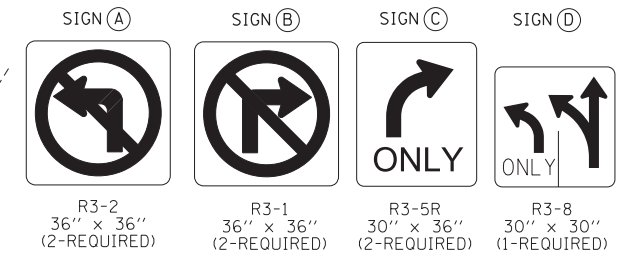
**TEMPORARY CABLE PLAN - FINAL GEOMETRY  
 US ROUTE 12 (RAND ROAD) AND CENTRAL ROAD**  
 SCALE: N.T.S. 20' SHEET 7 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	157
				CONTRACT NO. 61H44
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. REFER TO THE ROADWAY LIGHTING PLANS FOR STREET LIGHTING EQUIPMENT DETAILS.
3. ALL PUSH-BUTTONS SHALL BE APS.



FILE NAME =	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
N:\MOUNTPROSPECT\200151\Traffic\Rand-M	Prospect_08_MOD.dgn	DRAWN - FPB	REVISED -
default	PLOT SCALE = 20'	CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN  
US ROUTE 12 (RAND ROAD) AND MOUNT PROSPECT ROAD**

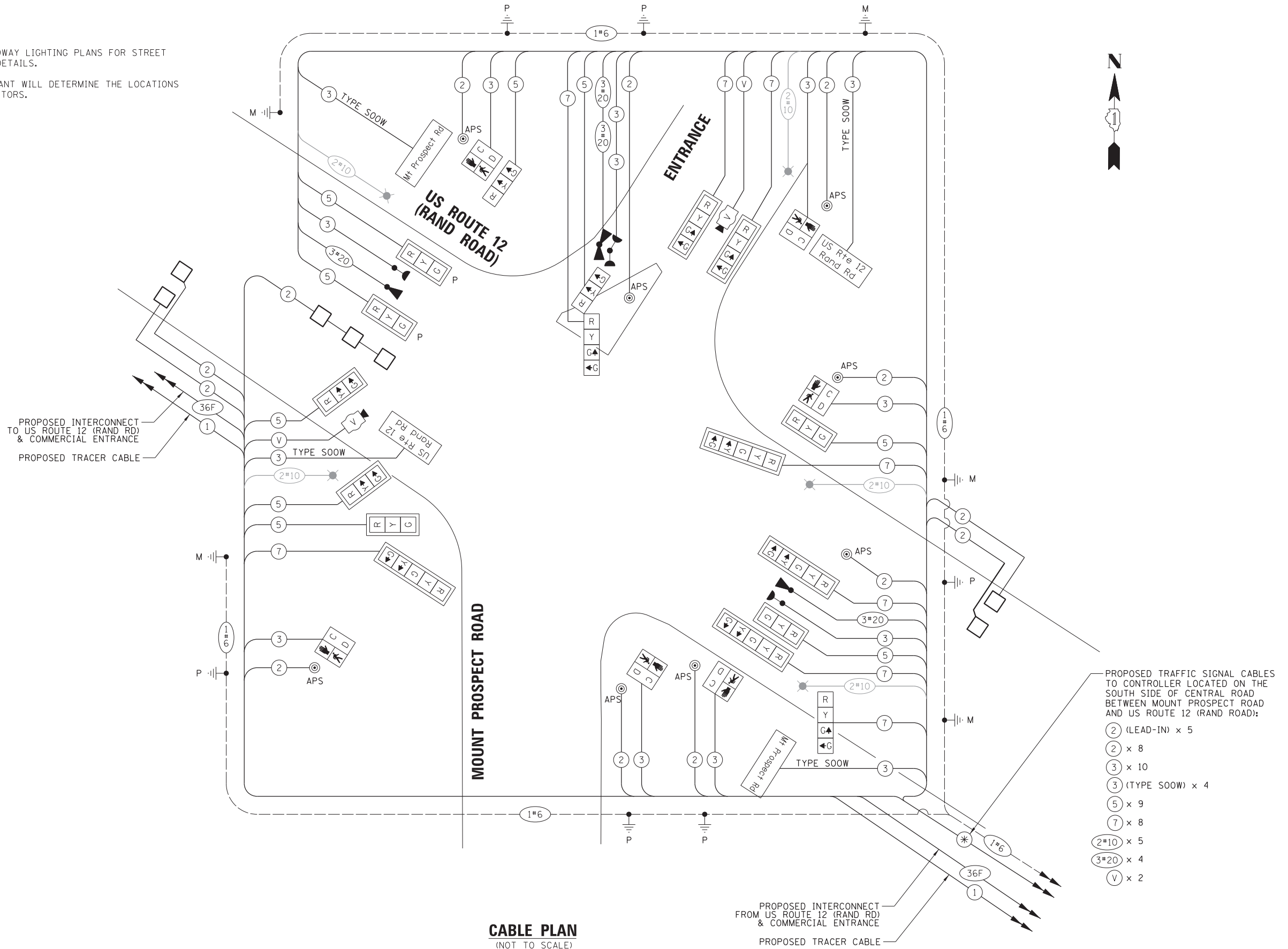
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	158
			CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT				

**TS 9650  
ECON 162**

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

**NOTE:**

1. REFER TO THE ROADWAY LIGHTING PLANS FOR STREET LIGHTING EQUIPMENT DETAILS.
2. THE SCAT CONSULTANT WILL DETERMINE THE LOCATIONS OF THE SYSTEM DETECTORS.



**CABLE PLAN**  
(NOT TO SCALE)

PROPOSED INTERCONNECT FROM US ROUTE 12 (RAND RD) & COMMERCIAL ENTRANCE  
PROPOSED TRACER CABLE

- PROPOSED TRAFFIC SIGNAL CABLES TO CONTROLLER LOCATED ON THE SOUTH SIDE OF CENTRAL ROAD BETWEEN MOUNT PROSPECT ROAD AND US ROUTE 12 (RAND ROAD):
- 2 (LEAD-IN) x 5
  - 2 x 8
  - 3 x 10
  - 3 (TYPE SOOW) x 4
  - 5 x 9
  - 7 x 8
  - 2#10 x 5
  - 3#20 x 4
  - V x 2

FILE NAME =	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
N:\MOUNTPROSPECT\200015\Traffic\Rand-Mt	Prospect_09.CAB.dgn	DRAWN - FPB	REVISED -
default	PLOT SCALE = 28'	CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN  
US ROUTE 12 (RAND ROAD) AND MOUNT PROSPECT ROAD**

SCALE: 1" = 20' SHEET 2 OF 6 SHEETS STA. TO STA.

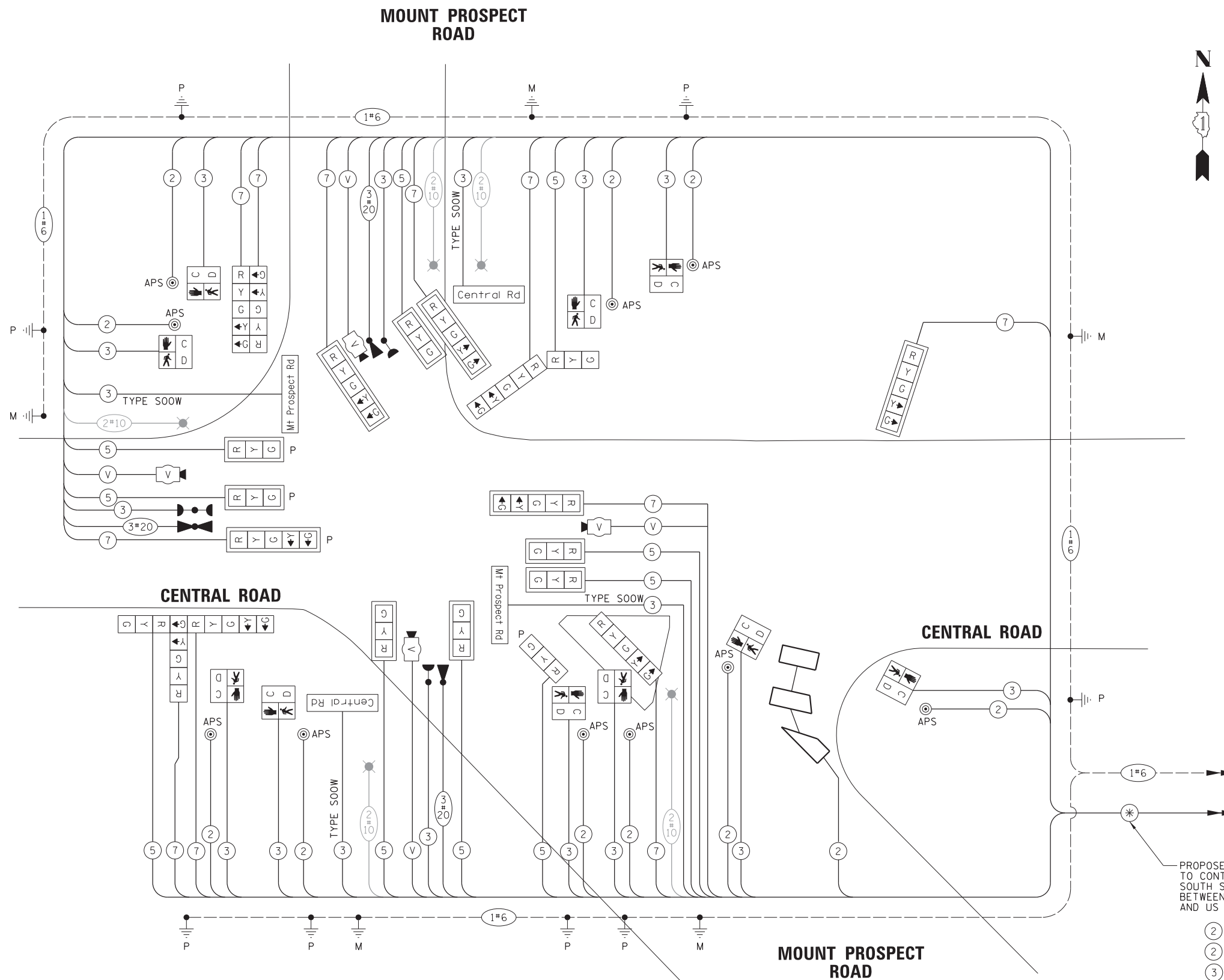
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	159
CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT	

**TS 9650  
ECON 162**



**NOTE:**

1. REFER TO THE ROADWAY LIGHTING PLANS FOR STREET LIGHTING EQUIPMENT DETAILS.



PROPOSED TRAFFIC SIGNAL CABLES TO CONTROLLER LOCATED ON THE SOUTH SIDE OF CENTRAL ROAD BETWEEN MOUNT PROSPECT ROAD AND US ROUTE 12 (RAND ROAD):

- (2) (LEAD-IN) x 1
- (2) x 10
- (3) x 13
- (3) (TYPE SOOW) x 4
- (5) x 10
- (7) x 11
- (2#10) x 5
- (3#20) x 3
- (V) x 4

**CABLE PLAN**  
(NOT TO SCALE)

**TS 9650**  
**ECON 162**

FILE NAME =	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
N:\MOUNTPROSPECT\200015\Tr-offic\Mt Prospect-Central.09.CAB.dgn		DRAWN - FPB	REVISED -
default	PLOT SCALE = 28'	CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

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

**CABLE PLAN**  
**CENTRAL ROAD AND MOUNT PROSPECT ROAD**

SCALE: 1" = 20' SHEET 4 OF 6 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	161
			CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT				

**NOTES:**

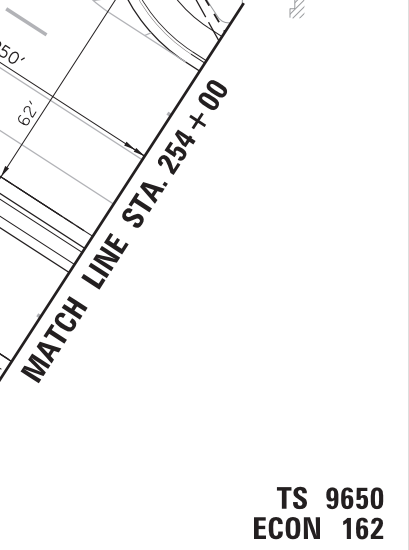
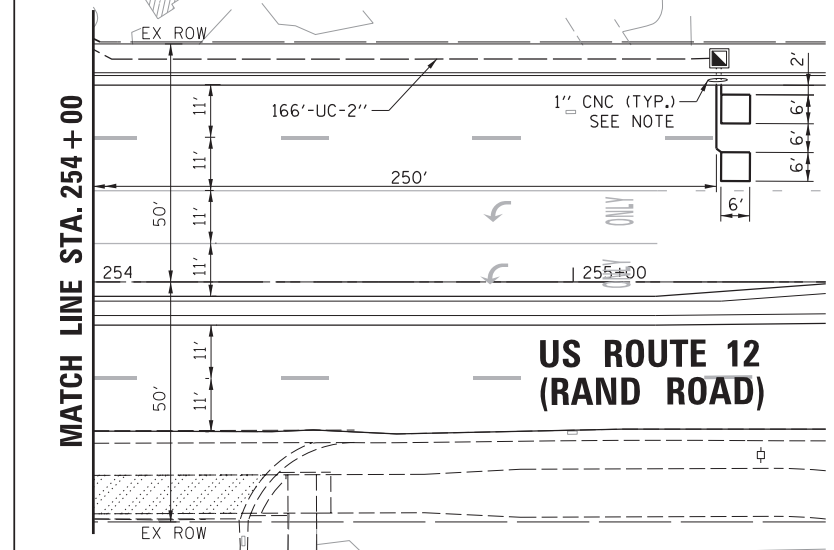
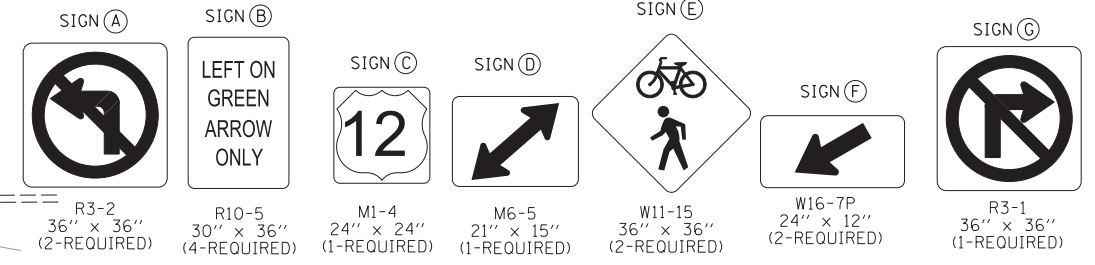
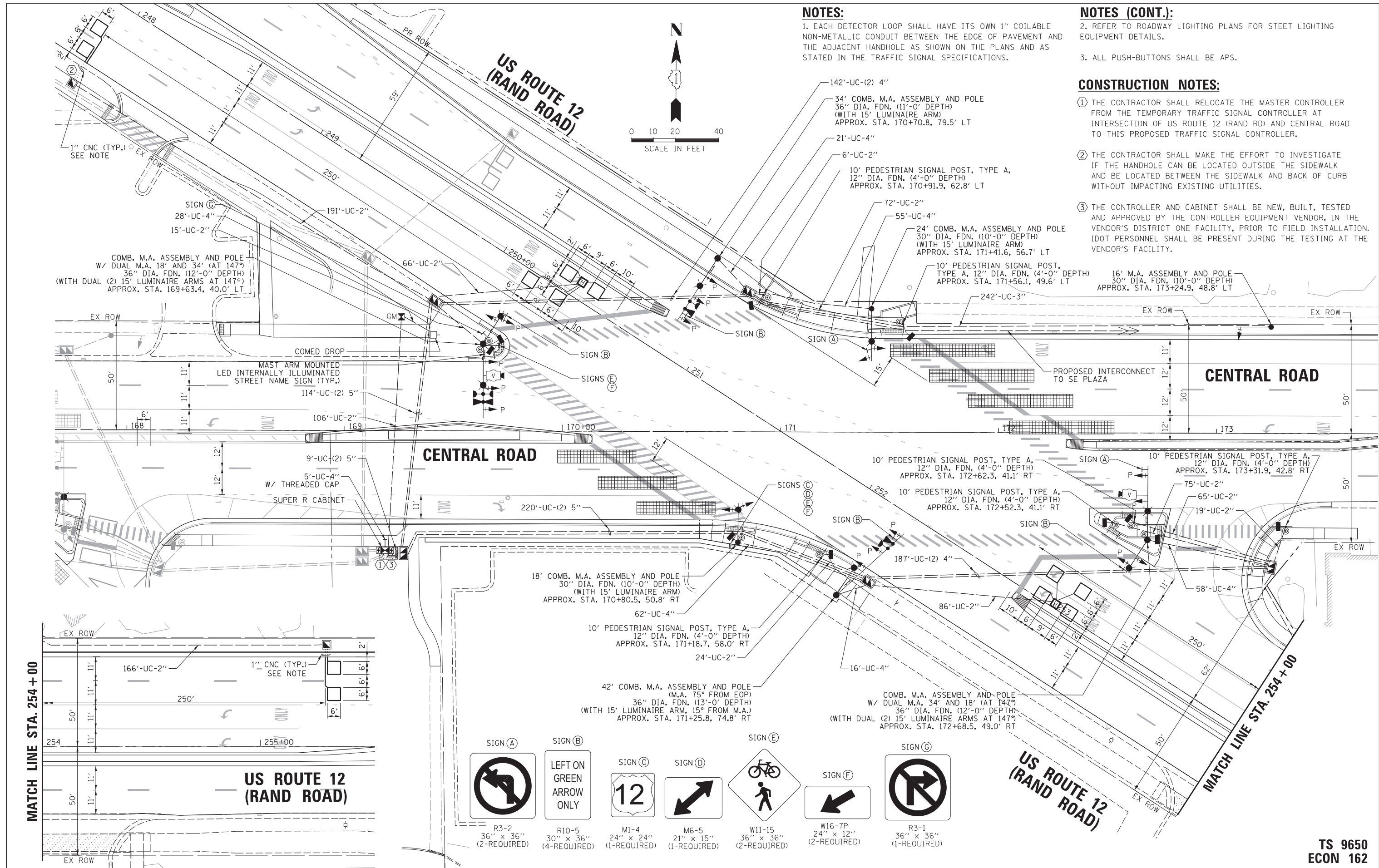
1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

**NOTES (CONT.):**

2. REFER TO ROADWAY LIGHTING PLANS FOR STREET LIGHTING EQUIPMENT DETAILS.  
3. ALL PUSH-BUTTONS SHALL BE APS.

**CONSTRUCTION NOTES:**

- ① THE CONTRACTOR SHALL RELOCATE THE MASTER CONTROLLER FROM THE TEMPORARY TRAFFIC SIGNAL CONTROLLER AT INTERSECTION OF US ROUTE 12 (RAND RD) AND CENTRAL ROAD TO THIS PROPOSED TRAFFIC SIGNAL CONTROLLER.
- ② THE CONTRACTOR SHALL MAKE THE EFFORT TO INVESTIGATE IF THE HANDHOLE CAN BE LOCATED OUTSIDE THE SIDEWALK AND BE LOCATED BETWEEN THE SIDEWALK AND BACK OF CURB WITHOUT IMPACTING EXISTING UTILITIES.
- ③ THE CONTROLLER AND CABINET SHALL BE NEW, BUILT, TESTED AND APPROVED BY THE CONTROLLER EQUIPMENT VENDOR, IN THE VENDOR'S DISTRICT ONE FACILITY, PRIOR TO FIELD INSTALLATION. IDOT PERSONNEL SHALL BE PRESENT DURING THE TESTING AT THE VENDOR'S FACILITY.



FILE NAME = N:\MOUNTPROSPECT\200015\Traffic\Central	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
Plot Scale = 28'	PLOT DATE = 5/4/2022	DRAWN - FPB	REVISED -
		CHECKED - TFS	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN  
US ROUTE 12 (RAND ROAD) AND CENTRAL ROAD**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	162
			CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT				

**TS 9650  
ECON 162**

SCALE: 1" = 20' SHEET 5 OF 6 SHEETS STA. TO STA.

PROPOSED TRAFFIC SIGNAL CABLES FROM THE INTERSECTION OF US ROUTE 12 (RAND RD) & MOUNT PROSPECT ROAD:

- ② (LEAD-IN) x 5
- ② x 8
- ③ x 10
- ③ (TYPE SOOW) x 4
- ⑤ x 9
- ⑦ x 8
- 2#10 x 5
- 3#20 x 4
- V x 2

PROPOSED INTERCONNECT TO US ROUTE 12 (RAND RD) & COMMERCIAL ENTRANCE

PROPOSED TRACER CABLE

PROPOSED TRAFFIC SIGNAL CABLES FROM THE INTERSECTION OF CENTRAL RD & MOUNT PROSPECT ROAD:

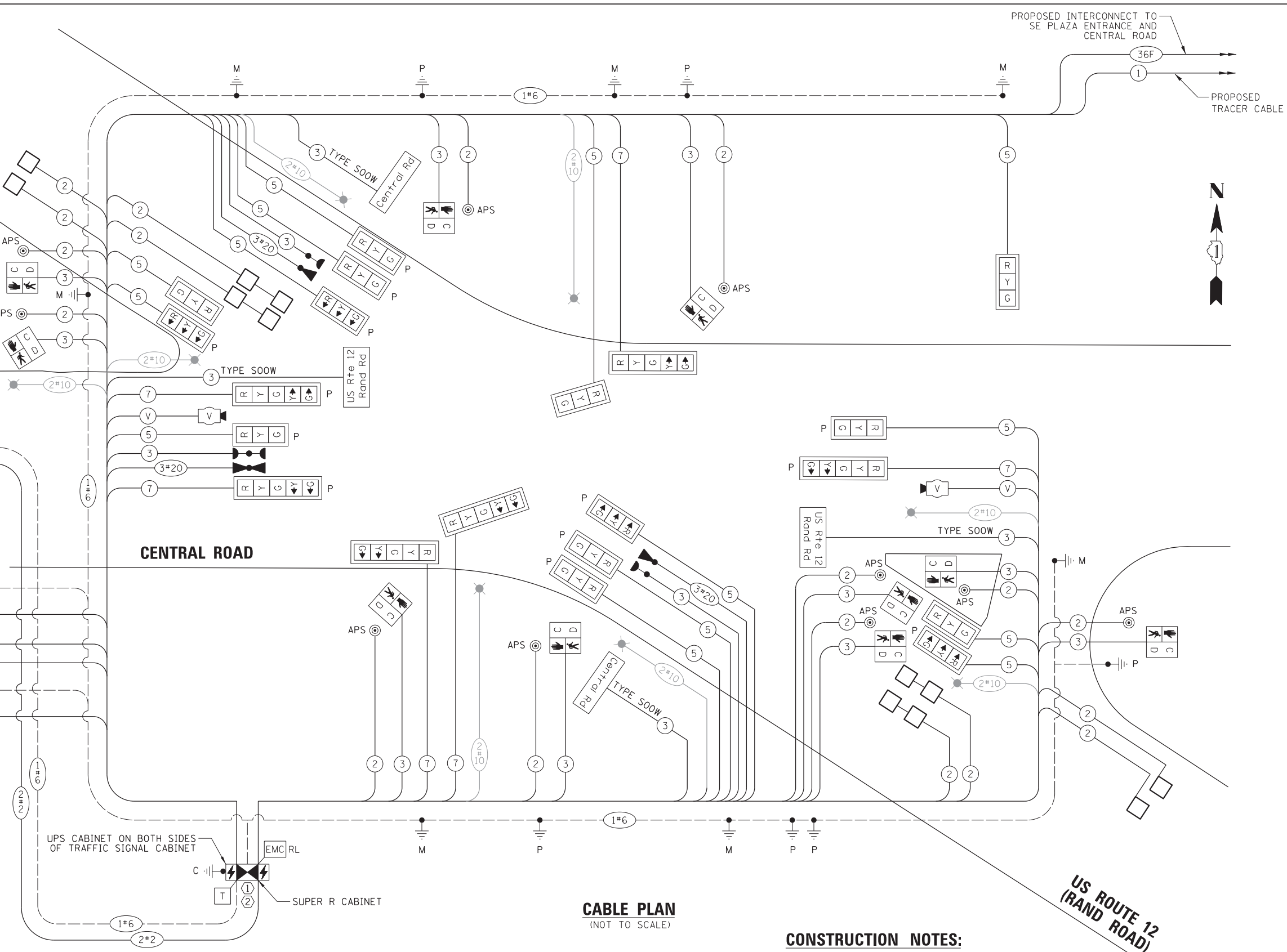
- ② (LEAD-IN) x 1
- ② x 10
- ③ x 13
- ③ (TYPE SOOW) x 4
- ⑤ x 10
- ⑦ x 11
- 2#10 x 5
- 3#20 x 3
- V x 4

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	58	11	50	319.0
(YELLOW)	58	20	5	58.0
(GREEN)	62	12	45	334.8
PERMISSIVE ARROW	40	10	10	40.0
PED. SIGNAL	26	20	100	520.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	12	120	50	720.0
LUMINAIRE	18	250	50	2250.0
TOTAL =				4516.8

ENERGY COSTS TO:  
 ILLINOIS DEPARTMENT OF TRANSPORTATION  
 201 W. CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196  
 ENERGY SUPPLY: CONTACT: CHRISTINE LEFTWICH  
 PHONE: (847) 508-4073  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: 07070-28448

- NOTES:**
- REFER TO THE ROADWAY LIGHTING PLANS FOR STREET LIGHTING EQUIPMENT DETAILS.
  - THE SCAT CONSULTANT WILL DETERMINE THE LOCATIONS OF THE SYSTEM DETECTORS.



**CABLE PLAN**  
(NOT TO SCALE)

**CONSTRUCTION NOTES:**

- THE CONTRACTOR SHALL RELOCATE THE MASTER CONTROLLER FROM THE TEMPORARY TRAFFIC SIGNAL CONTROLLER AT INTERSECTION OF US ROUTE 12 (RAND RD) AND CENTRAL ROAD TO THIS PROPOSED TRAFFIC SIGNAL CONTROLLER.
- THE CONTROLLER AND CABINET SHALL BE NEW, BUILT, TESTED AND APPROVED BY THE CONTROLLER EQUIPMENT VENDOR, IN THE VENDOR'S DISTRICT ONE FACILITY, PRIOR TO FIELD INSTALLATION. IDOT PERSONNEL SHALL BE PRESENT DURING THE TESTING AT THE VENDOR'S FACILITY.

FILE NAME =  
 USER NAME = rhowellindgren  
 DRAWN - FPB  
 CHECKED - TFS  
 PLOT DATE = 5/4/2022

DESIGNED - BC  
 DRAWN - FPB  
 CHECKED - TFS  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**CABLE PLAN**  
**US ROUTE 12 (RAND ROAD) AND CENTRAL ROAD**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	163
CONTRACT NO. 61H44				
ILLINOIS FED. AID PROJECT				

**TS 9650**  
**ECON 162**





**SEQUENCE OF OPERATION**

MOVEMENT	10 + 14																				3 + 7				4 + 8							
	16	17	18A	18B	19A	19B	19C	19D	20A	20B	20C	20D	21	22	23	24	25A	25B	25C	25D	26A	26B	26C	26D								
PHASE	10 + 14												3 + 7				4 + 8															
INTERVAL	16	17	18A	18B	19A	19B	19C	19D	20A	20B	20C	20D	21	22	23	24	25A	25B	25C	25D	26A	26B	26C	26D								
CHANGE TO	θ	θ	3+7 4+8		2+5 2+6				1+6					4+8				2+5			2+6 1+6											
US ROUTE 12 (RAND ROAD) AT CENTRAL ROAD NEAR RIGHT, MIDDLE AND FAR RIGHT MAST ARM SIGNALS	NW/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R								
US ROUTE 12 (RAND ROAD) AT CENTRAL ROAD END MAST ARM AND FAR LEFT SIGNALS	NW/B	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R								
US ROUTE 12 (RAND ROAD) AT CENTRAL ROAD NEAR RIGHT AND FAR RIGHT AND MIDDLE MAST ARM SIGNALS	SE/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R								
US ROUTE 12 (RAND ROAD) AT CENTRAL ROAD END MAST ARM AND FAR LEFT SIGNALS	SE/B	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R								
CENTRAL ROAD AT US ROUTE 12 (RAND ROAD) NEAR RIGHT AND FAR RIGHT MAST ARM SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	R	R	Y	R	R	R								
CENTRAL ROAD AT US ROUTE 12 (RAND ROAD) END MAST ARM, MIDDLE AND FAR LEFT MAST ARM SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	R	R	Y	R	R	R								
CENTRAL ROAD AT US ROUTE 12 (RAND ROAD) NEAR RIGHT AND FAR RIGHT MAST ARM SIGNALS	W/B	G	G	G	G	Y	R	R	R	Y	R	R	R	G	G	G	Y	R	R	R	Y	R	R	R								
CENTRAL ROAD AT US ROUTE 12 (RAND ROAD) MIDDLE MAST ARM SIGNAL	W/B	G	G	G	G	Y	R	R	R	Y	R	R	R	G	G	G	Y	R	R	R	Y	R	R	R								
CENTRAL ROAD AT US ROUTE 12 (RAND ROAD) END MAST ARM AND FAR LEFT MAST ARM SIGNALS	W/B	←G	←G	←G	←G	Y	R	R	R	Y	R	R	R	←G	←G	←G	Y	R	R	R	Y	R	R	R								
US ROUTE 12 (RAND ROAD) AT MT PROSPECT ROAD ALL SIGNALS	NW/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R								
US ROUTE 12 (RAND ROAD) AT MT PROSPECT ROAD NEAR RIGHT AND FAR RIGHT MAST ARM SIGNALS	SE/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R								
US ROUTE 12 (RAND ROAD) AT MT PROSPECT ROAD MIDDLE MAST ARM SIGNAL	SE/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R								
US ROUTE 12 (RAND ROAD) AT MT PROSPECT ROAD END MAST ARM AND FAR LEFT MAST ARM SIGNALS	SE/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R								
MOUNT PROSPECT ROAD AT US ROUTE 12 (RAND ROAD) ALL SIGNALS	N/B	G	G	G	G	G	Y	R	G	G	Y	R	G	G	G	G	G	Y	R	G	G	Y	R	G								
MOUNT PROSPECT ROAD AT US ROUTE 12 (RAND ROAD) ALL SIGNALS	SW/B	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G	←G								
CENTRAL ROAD AT MT PROSPECT ROAD NEAR RIGHT, FAR RIGHT AND MIDDLE MAST ARM SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R								
CENTRAL ROAD AT MT PROSPECT ROAD END MAST ARM AND FAR LEFT SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R								
CENTRAL ROAD AT MT PROSPECT ROAD NEAR RIGHT, FAR RIGHT AND MIDDLE MAST ARM SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R								
CENTRAL ROAD AT MT PROSPECT ROAD END MAST ARM AND FAR LEFT SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R								
MOUNT PROSPECT ROAD AT CENTRAL ROAD NEAR RIGHT SIGNALS AND FAR RIGHT MAST ARM SIGNAL	NW/B	G	G	Y	R	Y	R	R	R	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R								
MOUNT PROSPECT ROAD AT CENTRAL ROAD MIDDLE MAST ARM SIGNAL, AND FAR LEFT SIGNALS	NW/B	G	G	Y	R	Y	R	R	R	G	G	G	G	R	R	R	R	R	R	R	R	R	R	R								
MOUNT PROSPECT ROAD AT CENTRAL ROAD NEAR RIGHT SIGNAL AND FAR RIGHT MAST ARM SIGNAL	S/B	G	G	Y	R	Y	R	R	R	Y	R	R	R	G	Y	R	R	R	R	R	R	R	R	R								
MOUNT PROSPECT ROAD AT CENTRAL ROAD END MAST ARM, MIDDLE MAST ARM AND FAR LEFT SIGNALS	S/B	G	G	Y	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R								
PEDESTRIAN SIGNALS CROSSING CENTRAL ROAD ON WEST SIDE OF US ROUTE 12 (RAND ROAD)	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H								
PEDESTRIAN SIGNALS CROSSING CENTRAL ROAD TO SOUTH ISLAND ON EAST SIDE OF US ROUTE 12 (RAND ROAD)	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H								
PEDESTRIAN SIGNALS CROSSING US ROUTE 12 (RAND ROAD) ON NORTH SIDE OF CENTRAL ROAD	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H								
PEDESTRIAN SIGNALS CROSSING US ROUTE 12 (RAND ROAD) TO SOUTH ISLAND ON SOUTH SIDE OF CENTRAL ROAD	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H								
PEDESTRIAN SIGNALS CROSSING SOUTHEAST CORNER TO SOUTHEAST ISLAND AT US ROUTE 12 (RAND ROAD) AND CENTRAL ROAD	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H								
PEDESTRIAN SIGNALS CROSSING MT PROSPECT ROAD ON SOUTH SIDE OF US ROUTE 12 (RAND ROAD)	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H								
PEDESTRIAN SIGNALS CROSSING MT PROSPECT ROAD ON NORTH SIDE OF US ROUTE 12 (RAND ROAD)	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H								
PEDESTRIAN SIGNALS CROSSING US ROUTE 12 (RAND ROAD) ON EAST SIDE OF MT PROSPECT ROAD	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H								
PEDESTRIAN SIGNALS CROSSING MT PROSPECT ROAD ON NORTH SIDE OF CENTRAL ROAD	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H								
PEDESTRIAN SIGNALS CROSSING CENTRAL ROAD ON WEST SIDE OF MT PROSPECT ROAD	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H								
PEDESTRIAN SIGNALS CROSSING CENTRAL ROAD ON EAST SIDE OF MT PROSPECT ROAD TO SOUTHEAST ISLAND	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H								
PEDESTRIAN SIGNALS CROSSING MT PROSPECT ROAD ON SOUTH SIDE OF CENTRAL ROAD TO SOUTHEAST ISLAND AT CENTRAL ROAD	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H								
PEDESTRIAN SIGNALS CROSSING SOUTHEAST CORNER OF MT PROSPECT ROAD TO SOUTHEAST ISLAND AT CENTRAL ROAD	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H								

PHASE 2+6 SHALL BE PLACED ON RECALL

\* TO APPEAR ONLY UPON PUSHBUTTON ACTUATION  
\*\* FLASHING "A" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.

θ THIS "A" OR FLASHING "A" INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "A" OR FLASHING "A" INTERVALS.

P = ILLUMINATED PERSON = WALK  
FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK  
H = ILLUMINATED SOLID HAND = DON'T WALK

**TS 9650  
ECON 162**

**EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION**

	PREEMPTOR #3															PREEMPTOR #4															PREEMPTOR NUMBER				CLEAR TO NORMAL SEQUENCE																		
	1A	1B	1C	1D	1E	1F	1G	1H	1I	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	1GG	1HH	1JJ		1KK	1LL	1MM	1NN	1PP	1QQ	1RR	1SS	1TT	1UU	1VV	1WW	1XX	1YY	1ZZ	1AAA	2	3
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER																																																					
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER																																																					
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER																																																					
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NEAR RIGHT, MIDDLE AND FAR RIGHT MAST ARM SIGNALS																																																					
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PEDESTRIAN SIGNALS CROSSING SOUTHEAST CORNER OF MT PROSPECT ROAD TO SOUTHEAST ISLAND AT CENTRAL ROAD																																																					

◇ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, 4 OR 5 IS TERMINATED.

FILE NAME =	USER NAME = rhowellindgren	DESIGNED - FN	REVISED -
N:\MOUNTPROSPECT\200015\Tr-of-fac\SEQ.EVP-01_200015.dgn		DRAWN - FPB	REVISED -
default	PLOT SCALE = 1'	CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EMERGENCY VEHICLE PREEMPTION  
SEQUENCE OF OPERATION  
SHEET 1 OF 2**

SCALE: 1" = 1' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	166
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	

**TS 9650  
ECON 162**



# SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL QUANTITY	US ROUTE 12 (RAND RD) AT MOUNT PROSPECT RD	CENTRAL RD AT MOUNT PROSPECT	US ROUTE 12 (RAND RD) AT CENTRAL RD
SIGN PANEL - TYPE 1	SQ FT	181	57.5	38	85.5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1609	559	159	891
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	432	76	114	242
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1982	484	595	903
UNDERGROUND CONDUIT, GALVANIZED STEEL, 5" DIA.	FOOT	1630	740	204	686
HANDHOLE	EACH	8	4	2	2
HEAVY-DUTY HANDHOLE	EACH	3	1		2
DOUBLE HANDHOLE	EACH	12	4	3	5
PAINT NEW TRAFFIC SIGNAL POST	EACH	20	6	8	6
PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	2		1	1
PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT	EACH	6	2	1	3
PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	6	2	3	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	10971	4301	2837	3833
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	14623	5710	4066	4847
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	14206	5499	3236	5471
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	10313	4416	3756	2141
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	5986	2731	133	3122
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 2 2 C	FOOT	173			173
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	5940	1864	1505	2571
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4	1	3	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1	1		
STEEL MAST ARM ASSEMBLY AND POLE, 16 FT.	EACH	2		1	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16 FT.	EACH	1	1		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 18 FT.	EACH	1			1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT.	EACH	1			1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	2	1	1	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1			1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	2	1		1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	2		2	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	2	1	1	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 18 FT. AND 34 FT.	EACH	2			2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 22 FT. AND 26 FT.	EACH	1	1		
CONCRETE FOUNDATION, TYPE A	FOOT	24	8	12	4
CONCRETE FOUNDATION, TYPE C	FOOT	4			4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	70	20	20	30
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	128	39	41	48
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	14	5	5	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	2	2	
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2	2		
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2	2		
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6		6	
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	11	4	4	3
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1	
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	14	2	2	10
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4		1	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	26	6	10	10
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	45	13	12	20
INDUCTIVE LOOP DETECTOR	EACH	14	5	1	8
DETECTOR LOOP, TYPE I	FOOT	797	247	172	378
LIGHT DETECTOR	EACH	9	3	3	3
LIGHT DETECTOR AMPLIFIER	EACH	3	1	1	1

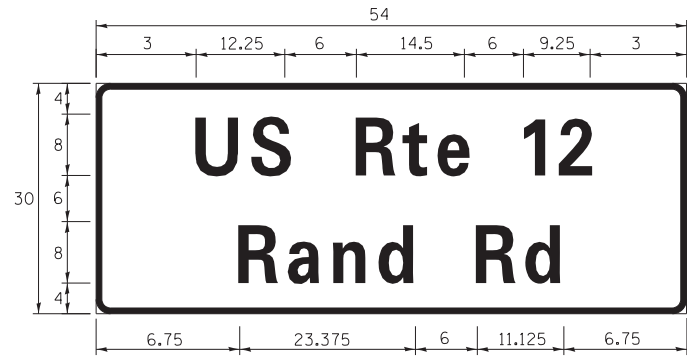
ITEM	UNIT	TOTAL QUANTITY	US ROUTE 12 (RAND RD) AT MOUNT PROSPECT RD	CENTRAL RD AT MOUNT PROSPECT	US ROUTE 12 (RAND RD) AT CENTRAL RD
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	3	1	1	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3	1	1	1
REMOVE EXISTING HANDHOLE	EACH	22	6	7	9
REMOVE EXISTING DOUBLE HANDHOLE	EACH	3	1	1	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	28	8	10	10
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	4588	2478	1159	951
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	12	4	4	4
FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1			1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1			1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	14	3	5	6
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1	1		
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	8	2	4	2
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	5030	2295	1297	1438
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1			1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	28	8	10	10
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	60	16	20	24
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3	1	1	1
PAINT NEW COMBINATION MAST ARM AND POLE WITH DUAL MAST ARMS, UNDER 40 FEET	EACH	3	1		2

**TS 9650  
ECON 162**

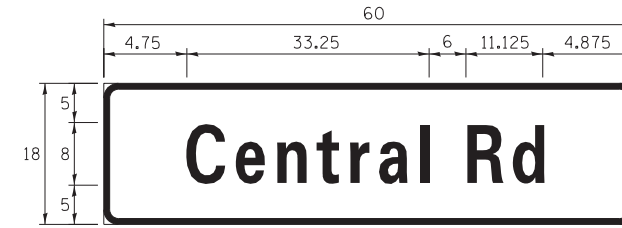
FILE NAME =	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\MOUNTPROSPECT\2000151\Tr-offic\QTY_Rand-Mt Prospect-Central.dgn		DRAWN - FPB	REVISED -		<b>US ROUTE 12 (RAND ROAD) AT MT PROSPECT ROAD, US ROUTE 12 (RAND ROAD) AT CENTRAL ROAD, AND CENTRAL ROAD AT MT PROSPECT ROAD</b>			334	17-00166-00-CH	COOK	264	168
Default	PLOT SCALE = 1"	CHECKED - TFS	REVISED -		SCALE: 1" = 1'	SHEET 1	OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 61H44		
	PLOT DATE = 5/4/2022	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

**LED ILLUMINATED MAST ARM MOUNTED  
STREET NAME SIGN**

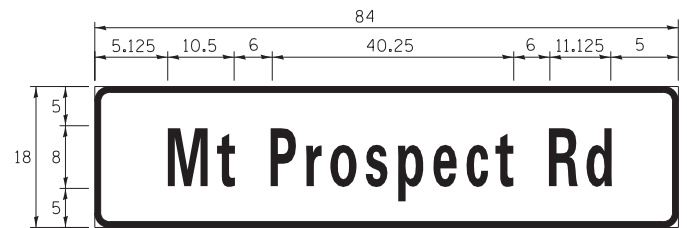
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



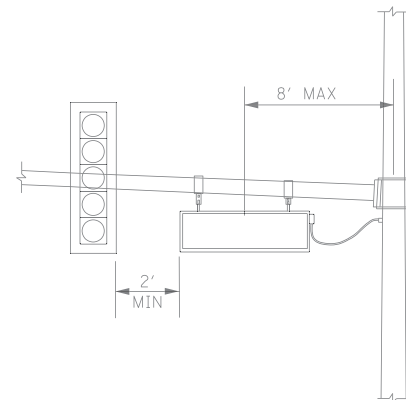
DESIGN SERIES	SIGN DIMENSIONS	QTY. REQUIRED
D	54" x 30"	4



DESIGN SERIES	SIGN DIMENSIONS	QTY. REQUIRED
D	60" x 18"	4



DESIGN SERIES	SIGN DIMENSIONS	QTY. REQUIRED
D	84" x 18"	4



**PENDANT MOUNT  
ILLUMINATED STREET NAME SIGN**

NOTE: THE LED ILLUMINATED SIGN SHALL BE TWO-SIDED PENDANT MOUNT. FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION, PLEASE SEE DISTRICT ONE ILLUMINATED STREET NAME SIGN DETAIL.

**TS 9650  
ECON 162**

FILE NAME =	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
N:\MOUNTPROSPECT\200015\Traffic\STN.Rand-Mt Prospect-Central.dgn		DRAWN - FPB	REVISED -
default	PLOT SCALE = 20'	CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

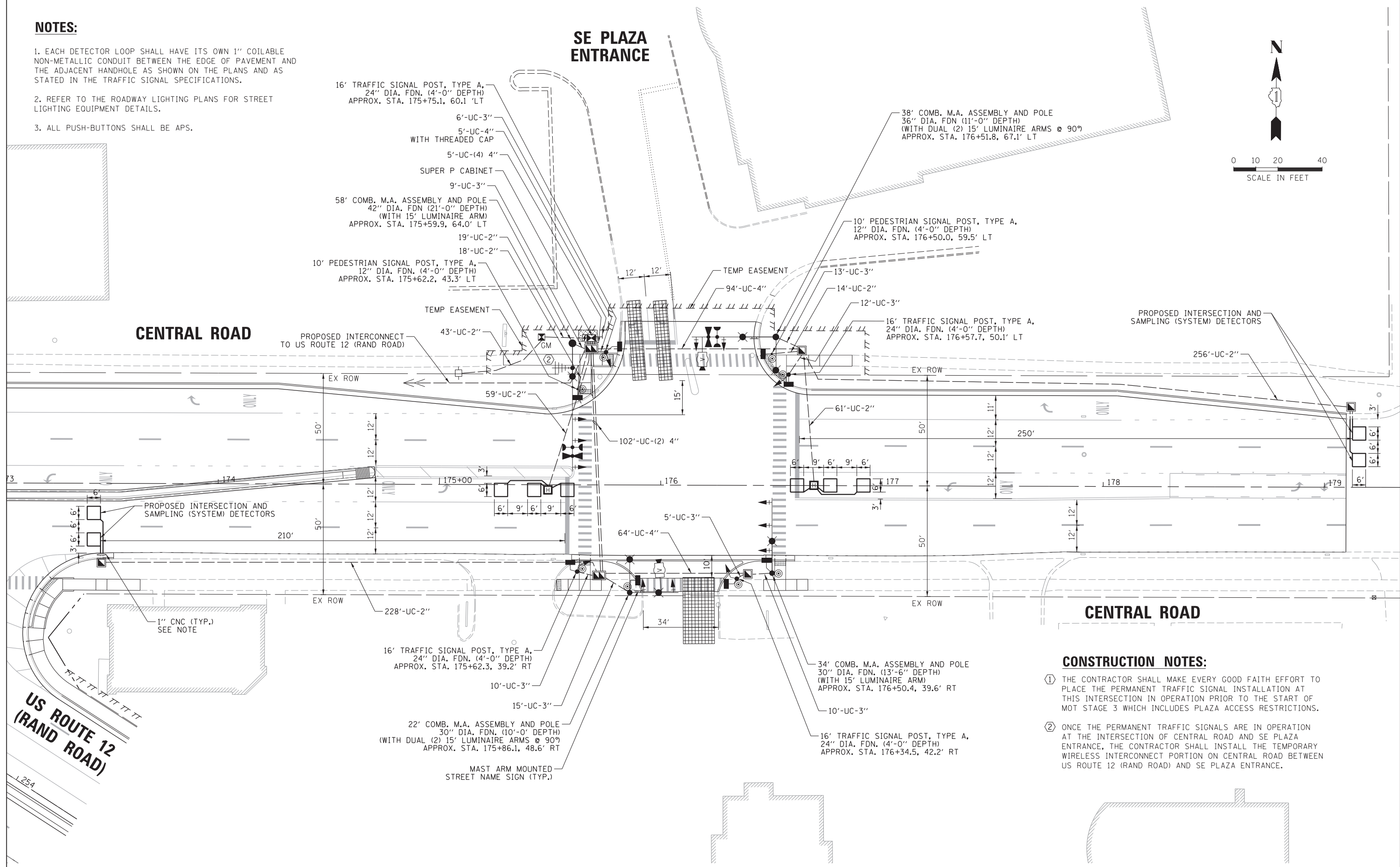
MAST ARM MOUNTED STREET NAME SIGNS			
US ROUTE 12 (RAND ROAD) AT MT PROSPECT ROAD, US ROUTE 12 (RAND ROAD) AT CENTRAL ROAD, AND CENTRAL ROAD AT MT PROSPECT ROAD			
SCALE: 1" = 20'	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	169
				CONTRACT NO. 61H44
ILLINOIS FED. AID PROJECT				

**NOTES:**

- EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
- REFER TO THE ROADWAY LIGHTING PLANS FOR STREET LIGHTING EQUIPMENT DETAILS.
- ALL PUSH-BUTTONS SHALL BE APS.

**SE PLAZA ENTRANCE**



**CONSTRUCTION NOTES:**

- THE CONTRACTOR SHALL MAKE EVERY GOOD FAITH EFFORT TO PLACE THE PERMANENT TRAFFIC SIGNAL INSTALLATION AT THIS INTERSECTION IN OPERATION PRIOR TO THE START OF MOT STAGE 3 WHICH INCLUDES PLAZA ACCESS RESTRICTIONS.
- ONCE THE PERMANENT TRAFFIC SIGNALS ARE IN OPERATION AT THE INTERSECTION OF CENTRAL ROAD AND SE PLAZA ENTRANCE, THE CONTRACTOR SHALL INSTALL THE TEMPORARY WIRELESS INTERCONNECT PORTION ON CENTRAL ROAD BETWEEN US ROUTE 12 (RAND ROAD) AND SE PLAZA ENTRANCE.

FILE NAME =	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
N:\MOUNTPROSPECT\200015\Traffic\Central Plaza_01.MXD.dgn		DRAWN - FPB	REVISED -
default	PLOT SCALE = 20'	CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

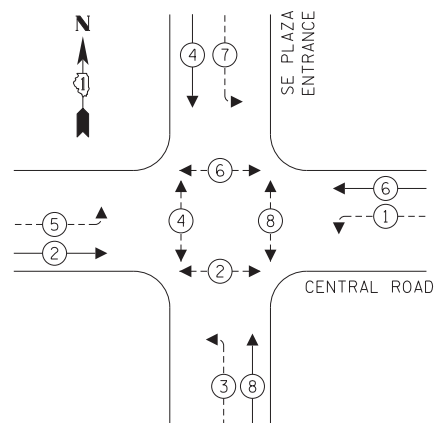
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN  
CENTRAL ROAD AND PLAZA ENTRANCE /DRIVEWAY**

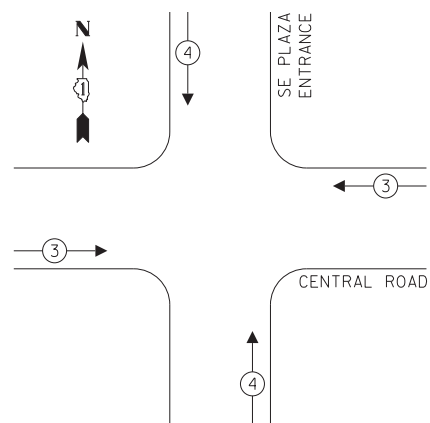
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	170
				CONTRACT NO. 61H44
ILLINOIS FED. AID PROJECT				

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

**PROPOSED CONTROLLER SEQUENCE**



**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**

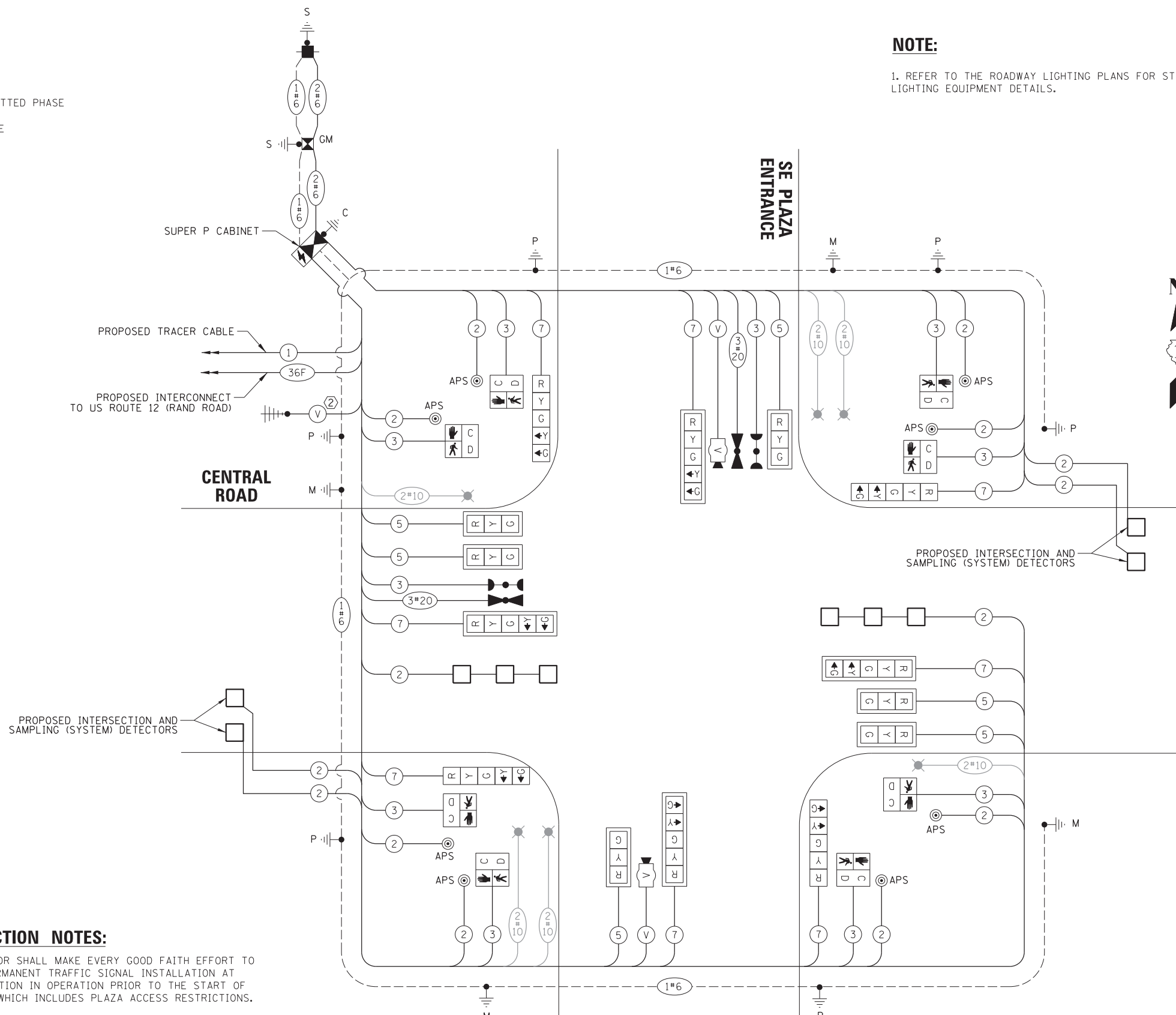


**LEGEND:**

- ← (⊙) ← PROTECTED PHASE
- ← (⊙) - - - PROTECTED/PERMITTED PHASE
- ← (⊙) → PEDESTRIAN PHASE
- ← (⊙) OL OVERLAP

**NOTE:**

1. REFER TO THE ROADWAY LIGHTING PLANS FOR STREET LIGHTING EQUIPMENT DETAILS.



**CABLE PLAN**  
(NOT TO SCALE)

**CONSTRUCTION NOTES:**

- ① THE CONTRACTOR SHALL MAKE EVERY GOOD FAITH EFFORT TO PLACE THE PERMANENT TRAFFIC SIGNAL INSTALLATION AT THIS INTERSECTION IN OPERATION PRIOR TO THE START OF MOT STAGE 3 WHICH INCLUDES PLAZA ACCESS RESTRICTIONS.
- ② ONCE THE PERMANENT TRAFFIC SIGNALS ARE IN OPERATION AT THE INTERSECTION OF CENTRAL ROAD AND SE PLAZA ENTRANCE, THE CONTRACTOR SHALL INSTALL THE TEMPORARY WIRELESS INTERCONNECT PORTION ON CENTRAL ROAD BETWEEN US ROUTE 12 (RAND ROAD) AND SE PLAZA ENTRANCE.

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	6	250	50	750.0
TOTAL =				1217.6

**ENERGY COSTS TO:**

VILLAGE OF MOUNT PROSPECT  
50 S. EMERSON STREET  
MOUNT PROSPECT, IL 60056

ENERGY SUPPLY: CONTACT: CHRISTINE LEFTWICH  
PHONE: (847) 508-4073  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: 07070-28448

FILE NAME =	USER NAME = rhowellindgren
N:\MOUNTPROSPECT\200015\Traffic\Central Plaza_02.CAB.dgn	
default	PLOT DATE = 5/4/2022

DESIGNED - BC	REVISED -
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DATE -	REVISED -

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

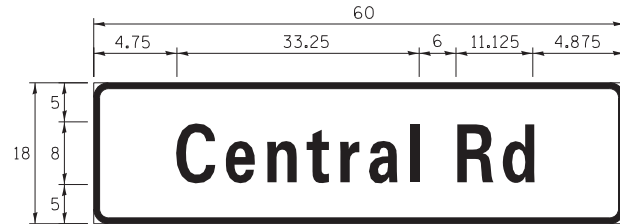
**CABLE, PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**  
**CENTRAL ROAD AND SE PLAZA ENTRANCE /DRIVEWAY**

SCALE: 1" = 20' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	171
CONTRACT NO. 61H44				
ILLINOIS FED. AID PROJECT				

**SIGN PANEL – TYPE 1**

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



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

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAILS.

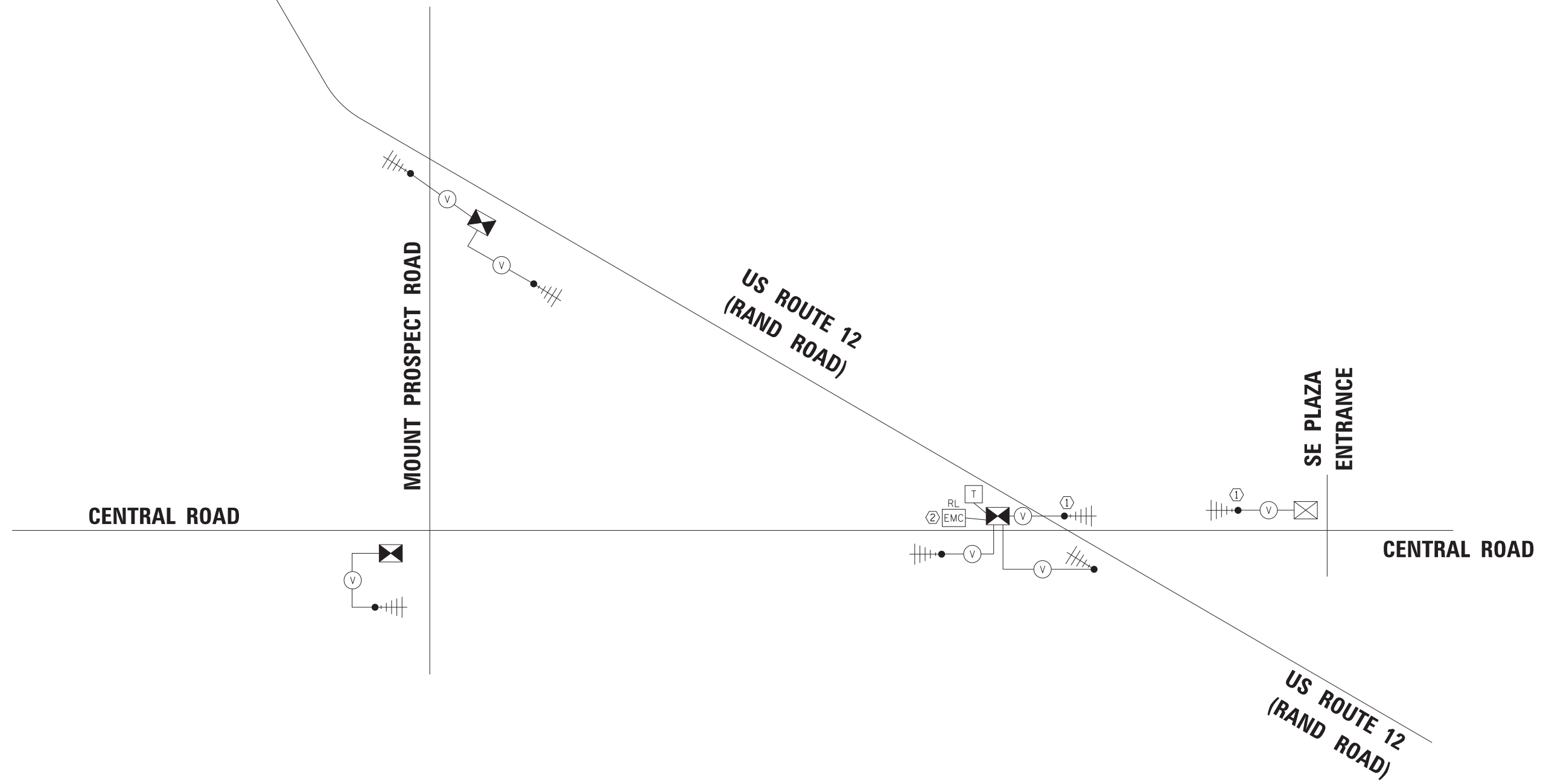
**SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	15
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	698
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	80
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	387
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
PAINT NEW TRAFFIC SIGNAL POST	EACH	6
PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT	EACH	3
PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1162
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1517
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1083
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1383
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1795
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	97
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	943
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 22 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	23.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	331
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	299
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8



US ROUTE 12  
(RAND ROAD)

COMMERCIAL  
ENTRANCE



**CONSTRUCTION NOTE:**

- ① ONCE THE PERMANENT TRAFFIC SIGNALS ARE IN OPERATION AT THE INTERSECTION OF CENTRAL ROAD AND SE PLAZA ENTRANCE, THE CONTRACTOR SHALL INSTALL THE TEMPORARY WIRELESS INTERCONNECT PORTION ON CENTRAL ROAD BETWEEN US ROUTE 12 (RAND ROAD) AND SE PLAZA ENTRANCE.
- ② PRIOR TO THE ACTIVATION OF THE TEMPORARY INTERCONNECT, THE CONTRACTOR SHALL RELOCATE THE EXISTING MASTER CONTROLLER FROM THE INTERSECTION OF US ROUTE 12 (RAND RD) AND CENTRAL ROAD TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER AT THE INTERSECTION OF US ROUTE 12 (RAND RD) AND CENTRAL ROAD.



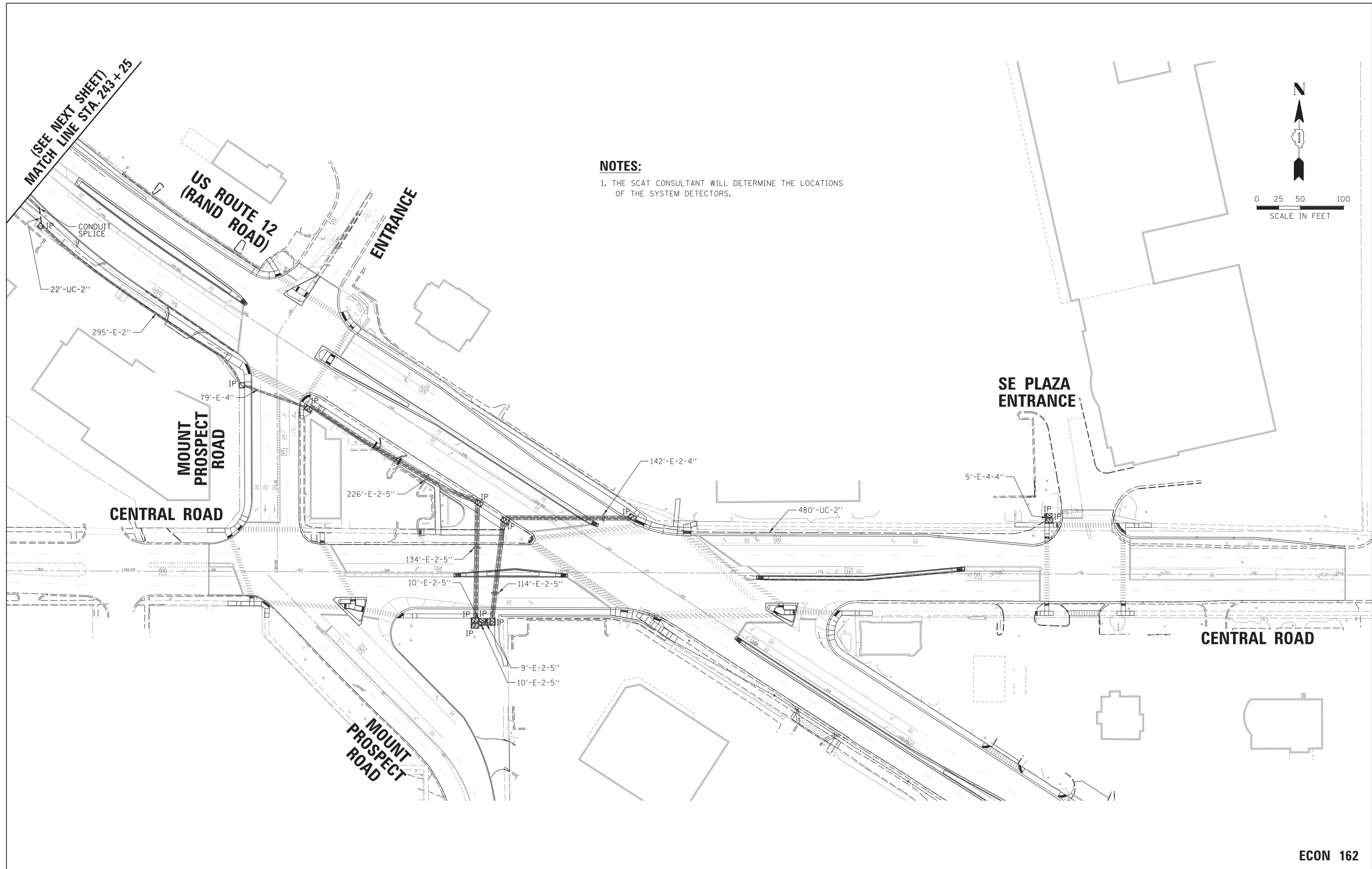
ECON 162

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default	PLOT SCALE = 50'	CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

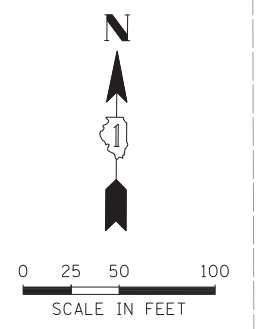
TEMPORARY INTERCONNECT SCHEMATIC DIAGRAM			
US ROUTE 12 (RAND ROAD) FROM COMMERCIAL ENTRANCE TO CENTRAL ROAD			
CENTRAL ROAD FROM MOUNT PROSPECT ROAD TO US ROUTE 12 (RAND ROAD)			
SCALE: 1" = 50'	SHEET 1 OF 4 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	173
CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT	



**NOTES:**

1. THE SCAT CONSULTANT WILL DETERMINE THE LOCATIONS OF THE SYSTEM DETECTORS.



(SEE NEXT SHEET)  
MATCH LINE STA. 243 + 25

**ECON 162**

FILE NAME =	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -
N:\MOUNTPROSPECT\200015\Tr-offic\INT_PR-01_200015.dgn		DRAWN - FPB	REVISED -
default	PLOT SCALE = 5/8"	CHECKED - TFS	REVISED -
	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN - (SHEET 1 OF 2)  
US ROUTE 12 (RAND ROAD) FROM BUSINESS CENTER DRIVE TO CENTRAL ROAD  
CENTRAL ROAD FROM MOUNT PROSPECT ROAD TO SE PLAZA ENTRANCE**

SCALE: 1" = 50'    SHEET 2 OF 4 SHEETS    STA.    TO STA.

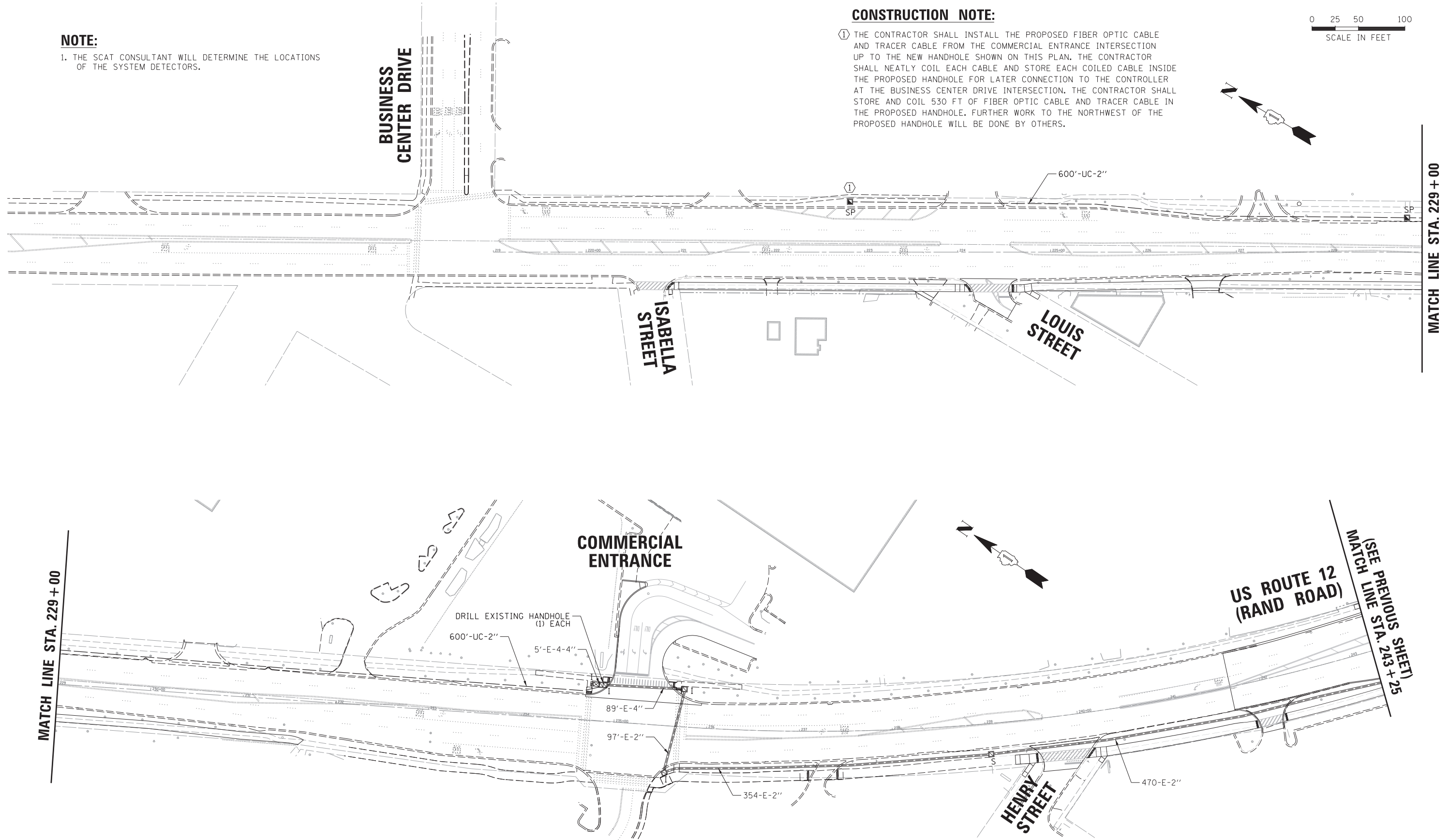
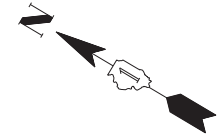
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	174
				CONTRACT NO. 61H44
ILLINOIS FED. AID PROJECT				

**NOTE:**

1. THE SCAT CONSULTANT WILL DETERMINE THE LOCATIONS OF THE SYSTEM DETECTORS.

**CONSTRUCTION NOTE:**

① THE CONTRACTOR SHALL INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE FROM THE COMMERCIAL ENTRANCE INTERSECTION UP TO THE NEW HANDHOLE SHOWN ON THIS PLAN. THE CONTRACTOR SHALL NEATLY COIL EACH CABLE AND STORE EACH COILED CABLE INSIDE THE PROPOSED HANDHOLE FOR LATER CONNECTION TO THE CONTROLLER AT THE BUSINESS CENTER DRIVE INTERSECTION. THE CONTRACTOR SHALL STORE AND COIL 530 FT OF FIBER OPTIC CABLE AND TRACER CABLE IN THE PROPOSED HANDHOLE. FURTHER WORK TO THE NORTHWEST OF THE PROPOSED HANDHOLE WILL BE DONE BY OTHERS.



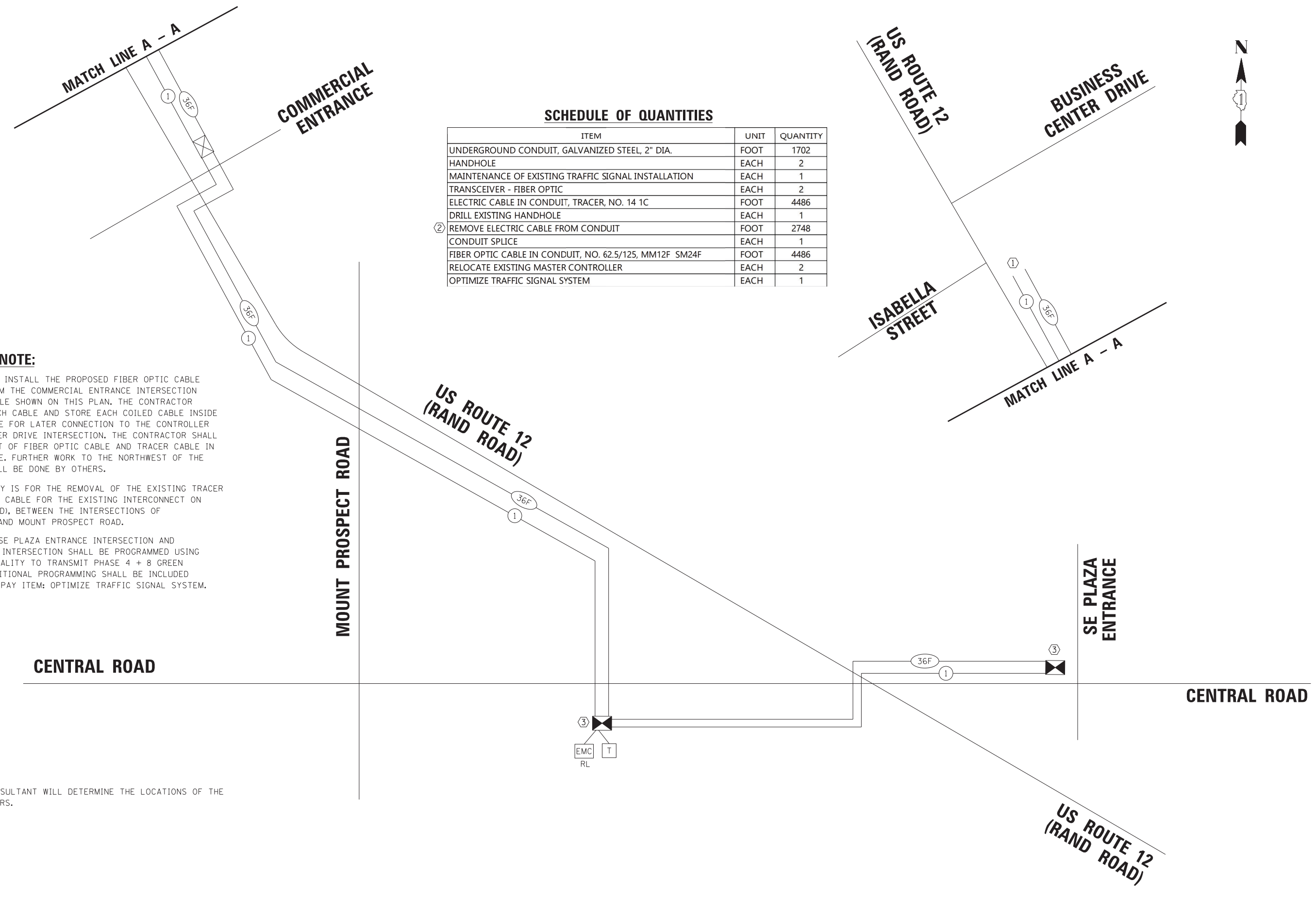
**ECON 162**

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	PLOT DATE = 5/4/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PROPOSED INTERCONNECT PLAN - (SHEET 2 OF 2)			
US ROUTE 12 (RAND ROAD) FROM BUSINESS CENTER DRIVE TO CENTRAL ROAD			
CENTRAL ROAD FROM MOUNT PROSPECT ROAD TO SE PLAZA ENTRANCE			
SCALE: 1" = 50'	SHEET 3 OF 4 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	175
			CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT				



**SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1702
HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRANSCIEVER - FIBER OPTIC	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4486
DRILL EXISTING HANDHOLE	EACH	1
② REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2748
CONDUIT SPLICE	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	4486
RELOCATE EXISTING MASTER CONTROLLER	EACH	2
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1

**CONSTRUCTION NOTE:**

- ① THE CONTRACTOR SHALL INSTALL THE PROPOSED FIBER OPTIC CABLE AND TRACER CABLE FROM THE COMMERCIAL ENTRANCE INTERSECTION UP TO THE NEW HANDHOLE SHOWN ON THIS PLAN. THE CONTRACTOR SHALL NEATLY COIL EACH CABLE AND STORE EACH COILED CABLE INSIDE THE PROPOSED HANDHOLE FOR LATER CONNECTION TO THE CONTROLLER AT THE BUSINESS CENTER DRIVE INTERSECTION. THE CONTRACTOR SHALL STORE AND COIL 530 FT OF FIBER OPTIC CABLE AND TRACER CABLE IN THE PROPOSED HANDHOLE. FURTHER WORK TO THE NORTHWEST OF THE PROPOSED HANDHOLE WILL BE DONE BY OTHERS.
- ② THIS ITEM AND QUANTITY IS FOR THE REMOVAL OF THE EXISTING TRACER CABLE AND FIBER OPTIC CABLE FOR THE EXISTING INTERCONNECT ON US ROUTE 12 (RAND ROAD), BETWEEN THE INTERSECTIONS OF COMMERCIAL ENTRANCE AND MOUNT PROSPECT ROAD.
- ③ THE CENTRAL ROAD AT SE PLAZA ENTRANCE INTERSECTION AND US ROUTE 12 (RAND RD) INTERSECTION SHALL BE PROGRAMMED USING PEER-TO-PEER FUNCTIONALITY TO TRANSMIT PHASE 4 + 8 GREEN START TIMES. THIS ADDITIONAL PROGRAMMING SHALL BE INCLUDED IN THE UNIT COST FOR PAY ITEM: OPTIMIZE TRAFFIC SIGNAL SYSTEM.

**NOTES:**

- 1. THE SCAT CONSULTANT WILL DETERMINE THE LOCATIONS OF THE SYSTEM DETECTORS.

**ECON 162**

FILE NAME =	USER NAME = rhowellindgren	DESIGNED - BC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES US ROUTE 12 (RAND ROAD) FROM BUSINESS CENTER DRIVE TO CENTRAL ROAD CENTRAL ROAD FROM MOUNT PROSPECT ROAD TO SE PLAZA ENTRANCE</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\MOUNTPROSPECT\200015\Tr-offic\INT.PR-03_SCH.200015.dgn	DRAWN - FPB	CHECKED - TFS	REVISED -		334	17-00166-00-CH	COOK	264	176			
default	PLOT SCALE = 50'	DATE -	REVISED -		CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 5/4/2022				SCALE: 1" = 50'	SHEET 4 OF 4 SHEETS	STA.	TO STA.				

## LIGHTING GENERAL NOTES

1. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY EQUIPMENT. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE AT (800) 892-0123. FOR THE LOCATIONS OF IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES CALL MEADE ELECTRIC CO. AT (773) 287-7672.
2. BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD AND UNDERGROUND ELECTRIC UTILITIES SHALL CALL COM ED FOR LOCATION APPROVAL AND MINIMUM CLEARANCE REQUIREMENTS.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
4. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
  - A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AS PREPARED BY IDOT.
  - B. "THE NATIONAL ELECTRICAL CODE".
  - C. MUNICIPAL CODES & STANDARDS.
5. NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE ENGINEER.
6. ALL UNDERGROUND CONDUITS SHALL BE INSTALLED BY DIRECTIONAL BORING METHOD. SOME LOCATIONS MAY REQUIRE TRENCHING AND/OR HAND DIGGING. CONTRACTOR SHALL PROVIDE PRIOR NOTICE TO ENGINEER BEFORE TRENCHING.
7. ALL UNDERGROUND WIRING SHALL BE XLP TYPE-USE, EXTRA ABRASION RESISTANCE, 600 VOLTS, BURIED A MINIMUM 30 INCHES BELOW FINISHED GRADE, FOLLOWING THE ROADWAY OR SIDEWALK EDGE.
8. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, (IF APPLICABLE) AND HAVE BEEN REVIEWED BY THE ENGINEER.
9. TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES.
10. ALL POLE HANDHOLES SHALL FACE AWAY FROM TRAFFIC.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH THE FINISHED GRADE.
12. THE CONTRACTOR SHALL STAKE ALL POLE LOCATIONS PRIOR TO REQUESTING A JULIE UTILITY LOCATE. ONCE ALL LOCATIONS ARE STAKED CONTRACTOR SHALL SET UP A MEETING WITH THE VILLAGE AND ENGINEER FOR POLE LOCATION APPROVAL.
13. THE ELECTRICAL CONTRACTOR SHALL FURNISH TWO SETS OF FULL SIZE RECORD DRAWINGS TO THE ENGINEER UPON COMPLETION OF THE LIGHTING AND ELECTRICAL IMPROVEMENTS. THE DRAWINGS SHALL SHOW THE INSTALLED LOCATIONS OF ALL LIGHT POLES, UNDERGROUND CONDUITS/WIRING, HANDHOLES, JUNCTION BOXES & CONTROLLER CABINETS. THE DRAWINGS WILL BE REVIEWED BY THE ENGINEER.
14. UPON COMPLETION OF THE PROPOSED LIGHTING IMPROVEMENTS, THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLATION COMPLIES WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMELY NOTIFICATION AND ALL COORDINATION WITH COM ED FOR NEW ELECTRIC SERVICE TO THE PROPOSED LIGHTING CONTROLLER.
16. THE CONTRACTOR SHALL LABEL ALL WIRES WITH WIRE MARKERS INDICATING THE CIRCUIT ID IN EVERY CONTROLLER, POLE BASE, HAND HOLE AND SPLICE/CONNECTION POINT. WIRE MARKERS SHALL BE WHITE NYLON WITH INTERGRAL MECHANICAL FASTENER WITH MINIMUM 3/4" X 1" WRITEABLE AREA.
17. THE LIGHT POLE LOCATIONS SHALL COMPLY WITH THE MINIMUM CLEAR WIDTH FOR AN ACCESSIBLE ROUTE FOR SIDEWALKS PER CURRENT AMERICAN WITH DISABILITIES ACT (ADA) REQUIREMENTS.
18. THE CONTRACTOR SHALL USE A STANDARD FOUNDATION WHENEVER POSSIBLE. WHEN UTILITY CONFLICT PROHIBITS USE OF STANDARD FOUNDATION THE CONTRACTOR MAY USE AN OFFSET FOUNDATION AT THE DIRECTION OF THE ENGINEER.

### ABBREVIATIONS

A	AMPS	HH	HAND HOLE
BOC	BACK OF CURB	HPS	HIGH PRESSURE SODIUM
CKT	CIRCUIT	PVC	POLYVINYL CHLORIDE
DIA	DIAMETER	RGS	RIGID GALVANIZED STEEL
FT	FOOT	ROW	RIGHT OF WAY
FOC	FACE OF CURB	STA	STATION
GND	GROUND	V	VOLTS
HD	HEAVY DUTY	W	WATTS
HDPE	HIGH DENSITY POLYETHYLENE		

CAUTION  
NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND/OR ELEVATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THESE PLANS. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ENGINEER OF ANY EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS.

THE VILLAGE OF MOUNT PROSPECT WILL OWN AND MAINTAIN THE PROPOSED ROADWAY LIGHTING SYSTEM.

THE VILLAGE OF MOUNT PROSPECT WILL OWN AND MAINTAIN THE PROPOSED COMBINATION LIGHTING AT CENTRAL RD. & PLAZA ENTRANCE

IDOT WILL OWN AND MAINTAIN THE PROPOSED COMBINATION LIGHTING AT RAND RD. & MT. PROSPECT RD., RAND RD. & CENTRAL RD. AND CENTRAL RD. & MT. PROSPECT RD.

## LIGHTING BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
TRENCH BACKFILL	CU YD	24
ELECTRIC SERVICE INSTALLATION	EACH	1
• ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	85
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	1695
UNDERGROUND CONDUIT, GALVANIZED STEEL, 5" DIA.	FOOT	250
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	370
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	12300
• HANDHOLE, COMPOSITE CONCRETE	EACH	6
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	6680
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	2115
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	90450
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	255
AERIAL CABLE, 2-1/C NO. 8 WITH MESSENGER	FOOT	1424
AERIAL CABLE, 3-1/C NO. 8 WITH MESSENGER	FOOT	2742
• LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F	EACH	4
• LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	18
LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1
LIGHT POLE, ALUMINUM, 40 FT. M.H., 8 FT. MAST ARM	EACH	46
LIGHT POLE, WOOD, 45 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	13
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	420
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	47
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	37
REMOVAL OF POLE FOUNDATION	EACH	37
REMOVAL OF LIGHTING CONTROLLER	EACH	1
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
• REMOVE TEMPORARY WOOD POLE	EACH	4
• REMOVE TEMPORARY LIGHTING UNITS, NO SALVAGE	EACH	13
• TEMPORARY WOOD POLE, 40 FOOT, CLASS 4	EACH	4
• MAST ARM, STREET LIGHTING, 15'	EACH	19
• MISCELLANEOUS ELECTRICAL WORK	LSUM	1
• LUMINAIRE, LED, SPECIAL	EACH	53
• REMOVAL OF LIGHTING LUMINAIRE, SALVAGE	EACH	4
• REMOVE LUMINAIRE, COMPLETE	EACH	6
• HANDHOLE, COMPOSITE CONCRETE (SPECIAL)	EACH	8
• TEMPORARY LUMINAIRE, LED, ROADWAY, DESIGNATION G	EACH	13
• TEMPORARY LUMINAIRE, LED, ROADWAY, DESIGNATION H	EACH	13
• TEMPORARY LUMINAIRE, LED, ROADWAY, DESIGNATION I	EACH	6
• COMBINATION LIGHTING CONTROLLER	EACH	2
• LIGHT POLE, SPECIAL	EACH	1
• LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	70
• REMOVAL OF TEMPORARY LUMINAIRE	EACH	19
• REMOVE JUNCTION BOX	EACH	6
• RELOCATE EXISTING TRANSCEIVER	EACH	2
• LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	54
• MAINTENANCE OF LIGHTING SYSTEM	CAL MO	15
• SEE SPECIAL PROVISION		

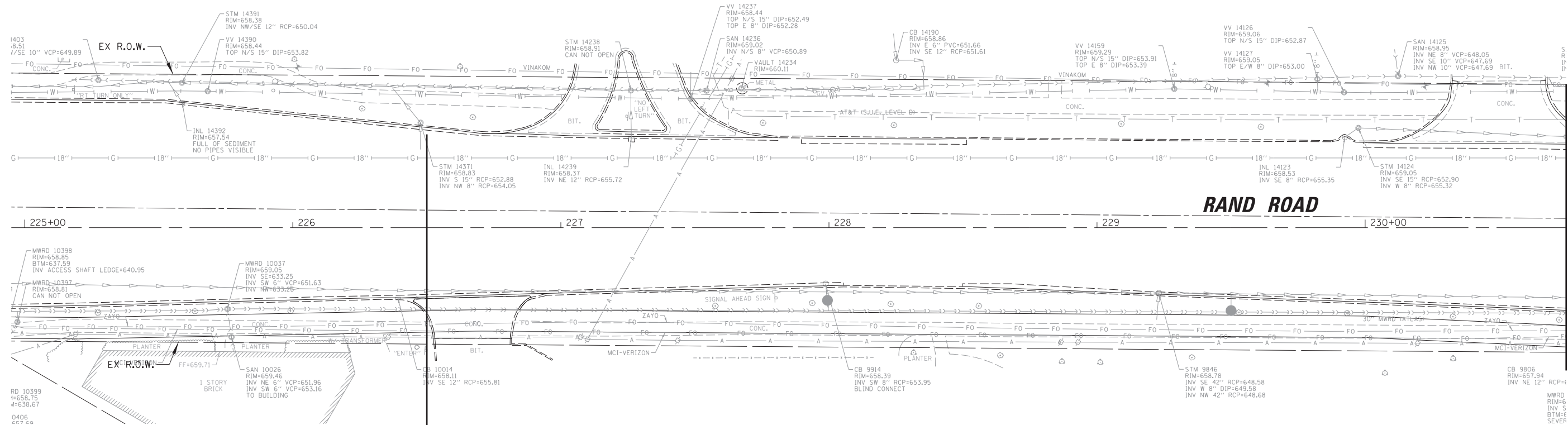
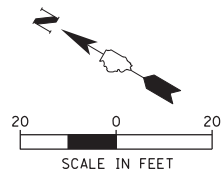
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Default	PLOT SCALE = N.T.S.	CHECKED AJD	REVISED -
	PLOT DATE = 5/4/2022	DATE 5/4/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
LIGHTING GENERAL NOTES AND BILL OF MATERIALS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	177
CONTRACT NO. 61H44				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 230 + 75

**RAND ROAD**

**PROJECT LIMITS  
STA. 226 + 50**

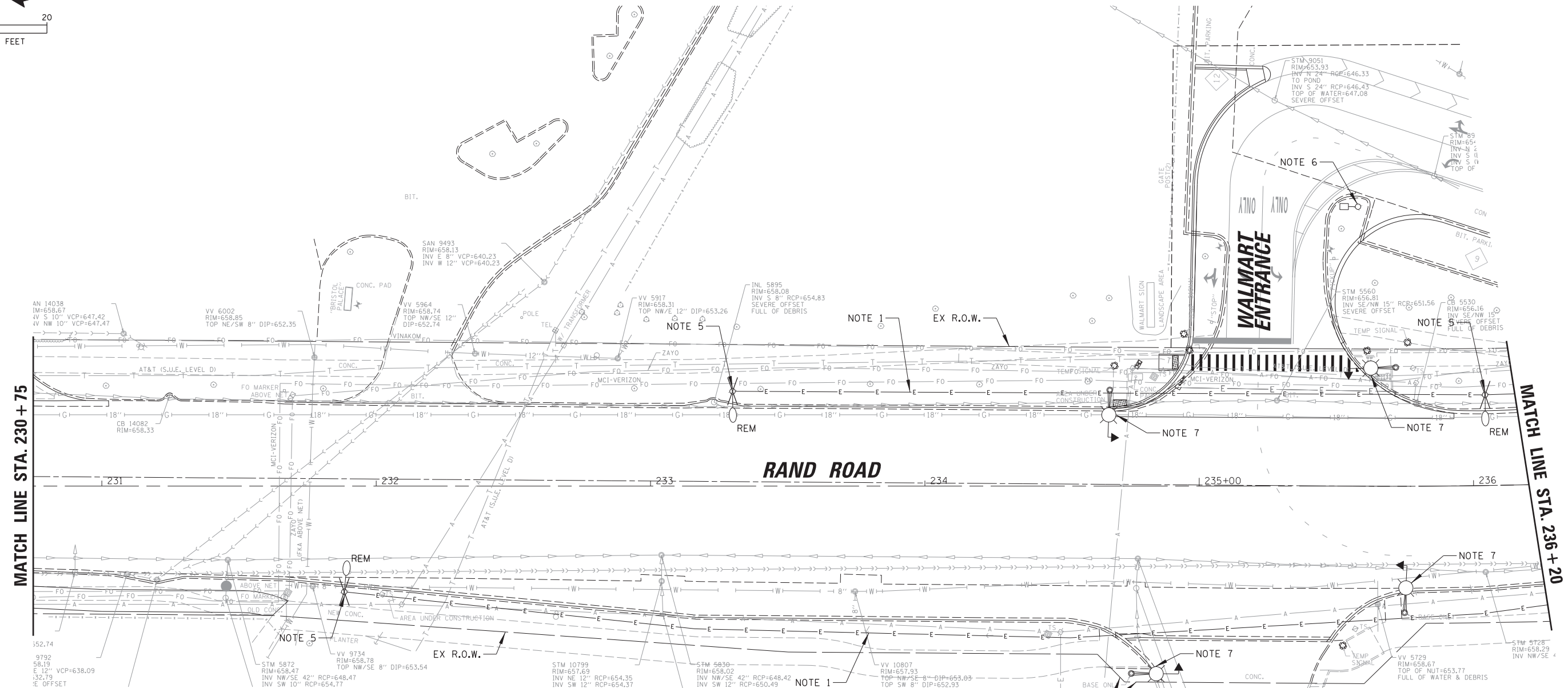
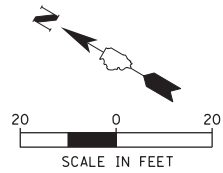
**LEGEND**

- EXISTING MOUNT PROSPECT LIGHT STANDARD TO REMAIN
- REM EXISTING MOUNT PROSPECT LIGHT STANDARD TO BE REMOVED AFTER PROPOSED LIGHTING IS OPERATIONAL
- REP EXISTING MOUNT PROSPECT LIGHT STANDARD TO BE REPLACED WITH TEMPORARY LIGHTING AND POLE REMOVED AT START OF CONSTRUCTION
- REP EXISTING IDOT COMBINATION LIGHT POLE TO BE REPLACED WITH TEMPORARY LIGHTING AND POLE REMOVED AFTER TEMPORARY LIGHTING IS OPERATIONAL
- TEMPORARY WOOD POLE WITH TEMPORARY LED LUMINAIRE MOUNTED AT 45'-0" WITH 15' ARM, CONNECTED TO TEMP SIGNAL CABINET (SEE TEMP INTERSECTION LIGHTING PLANS FOR LUMINAIRE INFO)
- TEMPORARY WOOD POLE WITH LED LUMINAIRE (OUTPUT DESIGNATION G) MOUNTED AT 35'-0" WITH 15' ARM, CONNECTED TO ROADWAY LIGHTS
- EXISTING IDOT COMBINATION LIGHT TO REMAIN, 45'-0" LUMINAIRE MH, 15' ARM
- LIGHTING CONTROLLER IDENTIFIER
- LIGHTING CIRCUIT IDENTIFIER
- C1-A(R) WIRE COLOR IDENTIFIER

**NOTES:**

1. CONDUIT/WIRE TO REMAIN THROUGH PROJECT CONSTRUCTION. AFTER PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL THE EXISTING/TEMPORARY CONDUIT/WIRE SHALL BE CUT 2' BELOW GRADE AND ABANDONED IN PLACE.
2. AFTER TEMPORARY LIGHTING IS INSTALLED AND OPERATIONAL THE EXISTING CONDUIT/WIRE SHALL BE CUT 2' BELOW GRADE AND ABANDONED IN PLACE.
3. CUT EXISTING WIRE/CONDUIT AND ROUTE INTO TEMPORARY 11"x18"x18" DEEP COMPOSITE CONCRETE HANDHOLE. SPLICE EXISTING WIRES WITH PROPOSED WIRES AND CONNECT TEMPORARY POLE TO SAME CIRCUITS AS EXISTING. PAID FOR UNDER "HANDHOLE, COMPOSITE CONCRETE".
4. AFTER PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL CONTRACTOR SHALL REMOVE THE EXISTING 240/480V-1Ø LIGHTING CONTROLLER, FOUNDATION AND ELECTRIC SERVICE.
5. EXISTING LIGHT POLE & LUMINAIRE SHALL BE RETURNED TO MOUNT PROSPECT PUBLIC WORKS. PAID FOR UNDER "REMOVAL OF LIGHTING UNIT, SALVAGE".
6. EXISTING LIGHT POLE REMOVED BY OTHERS.
7. REMOVE AND SALVAGE EXISTING IDOT COMBINATION LUMINAIRE. PAID FOR UNDER "REMOVAL OF LIGHTING LUMINAIRE, SALVAGE".
8. AFTER TEMPORARY LIGHTING IS INSTALLED & OPERATIONAL. THE EXISTING COMBINATION LUMINAIRE SHALL BE REMOVED AND RETURNED TO MOUNT PROSPECT PUBLIC WORKS. PAID FOR UNDER "REMOVE LUMINAIRE, COMPLETE".
9. AERIAL CABLE CLEARANCE SHALL CONFORM TO NEC ARTICLE 225.18.

FILE NAME = N:\MOUNTPROSPECT\20015\Mech\REM.20015.01.sht	USER NAME = rhowellindgren	DESIGNED AJD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS REMOVAL/TEMPORARY PLAN (1 OF 10)</b>	F.A. RTE. = 334	SECTION = 17-00166-00-CH	COUNTY = COOK	TOTAL SHEETS = 264	SHEET NO. = 178	
Default	PLOT SCALE = 20'	CHECKED AJD	REVISED -			SCALE: 20'	SHEET 1 OF 10 SHEETS	STA. TO STA.	CONTRACT NO. 61H44		
	PLOT DATE = 5/4/2022	DATE 5/4/2022	REVISED -			ILLINOIS FED. AID PROJECT					



MATCH LINE STA. 230 + 75

MATCH LINE STA. 236 + 20

**LEGEND**

- EXISTING MOUNT PROSPECT LIGHT STANDARD TO REMAIN
- EXISTING MOUNT PROSPECT LIGHT STANDARD TO BE REMOVED AFTER PROPOSED LIGHTING IS OPERATIONAL
- EXISTING MOUNT PROSPECT LIGHT STANDARD TO BE REPLACED WITH TEMPORARY LIGHTING AND POLE REMOVED AT START OF CONSTRUCTION
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- LIGHTING CONTROLLER IDENTIFIER
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- WIRE COLOR IDENTIFIER

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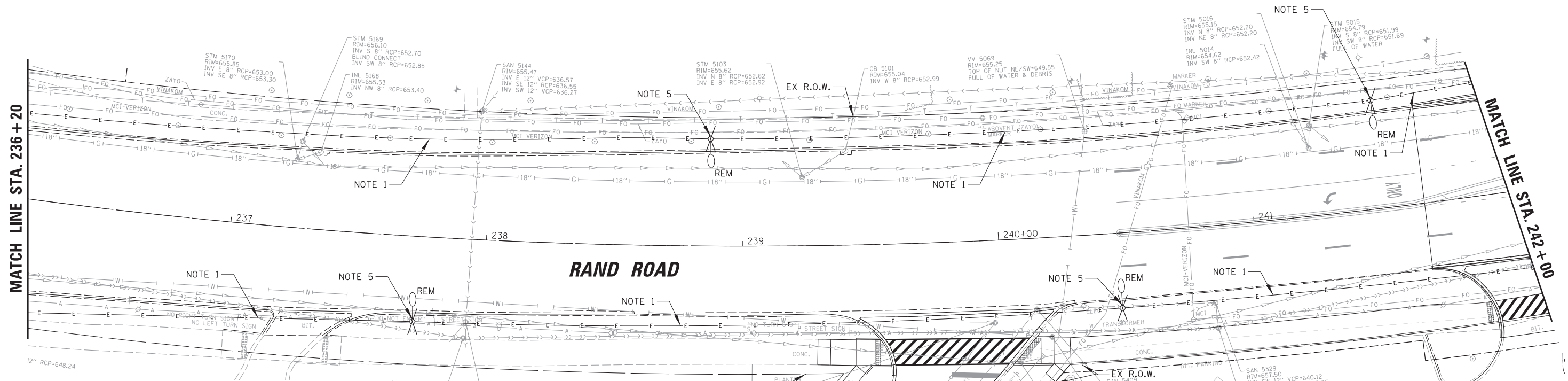
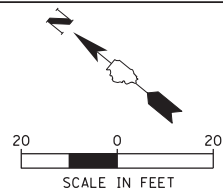
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	PLOT DATE = 5/4/2022	DATE 5/4/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
REMOVAL/TEMPORARY PLAN (2 OF 10)**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	179
CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT	

SCALE: 20' SHEET 2 OF 10 SHEETS STA. TO STA.



**LEGEND**

- EXISTING MOUNT PROSPECT LIGHT STANDARD TO REMAIN
- REM EXISTING MOUNT PROSPECT LIGHT STANDARD TO BE REMOVED AFTER PROPOSED LIGHTING IS OPERATIONAL
- REP EXISTING MOUNT PROSPECT LIGHT STANDARD TO BE REPLACED WITH TEMPORARY LIGHTING AND POLE REMOVED AT START OF CONSTRUCTION
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- LIGHTING CONTROLLER IDENTIFIER
- LIGHTING CIRCUIT IDENTIFIER
- C1-A(R) WIRE COLOR IDENTIFIER

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9. AERIAL CABLE CLEARANCE SHALL CONFORM TO NEC ARTICLE 225.18.

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Default	PLOT SCALE = 20'	CHECKED AJD	REVISED -
	PLOT DATE = 5/4/2022	DATE 5/4/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

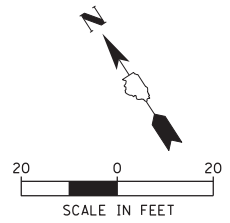
**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
REMOVAL/TEMPORARY PLAN (3 OF 10)**

SCALE: 20' SHEET 3 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	180
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	



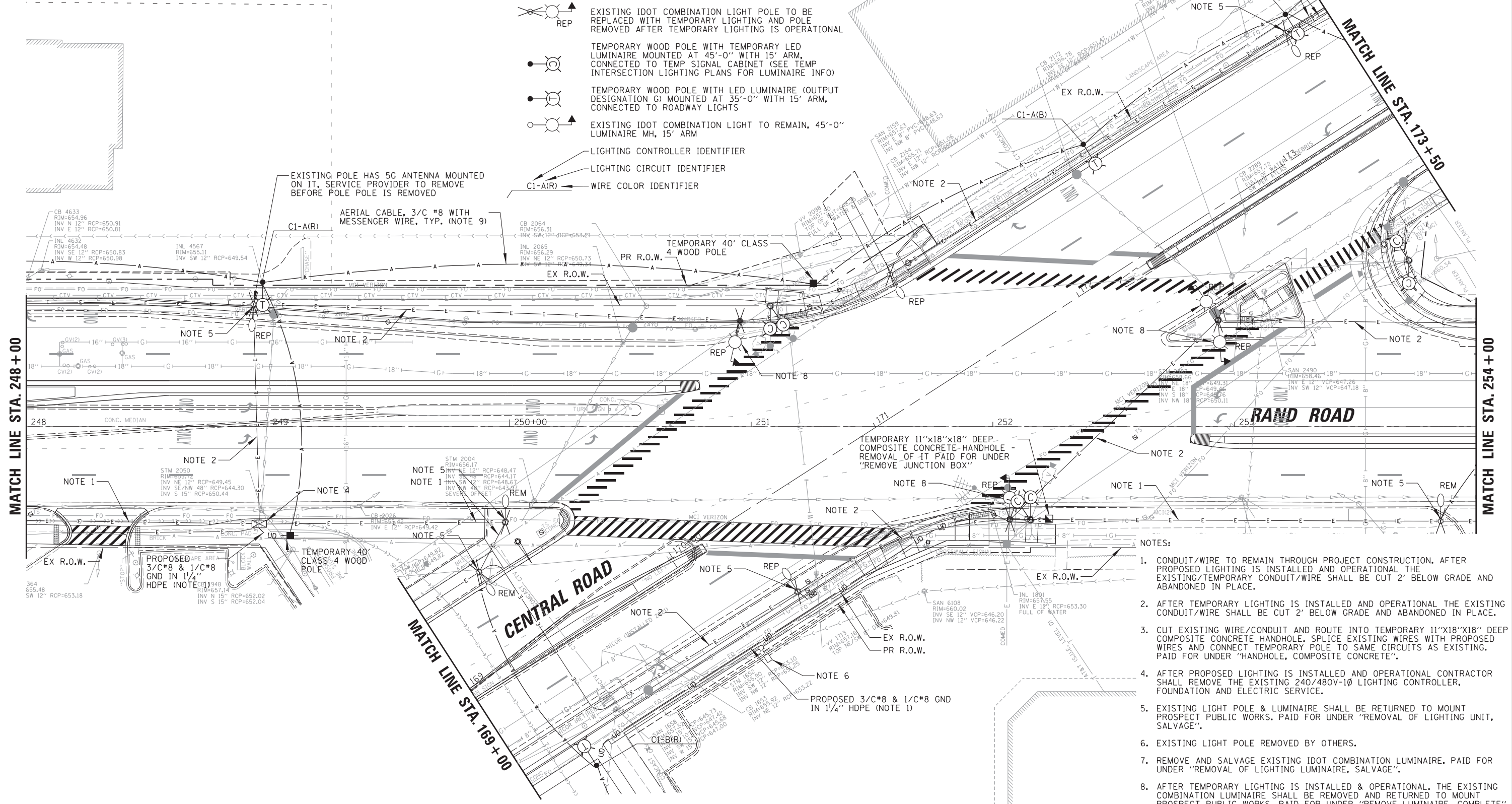




**LEGEND**

- EXISTING MOUNT PROSPECT LIGHT STANDARD TO REMAIN
- REM EXISTING MOUNT PROSPECT LIGHT STANDARD TO BE REMOVED AFTER PROPOSED LIGHTING IS OPERATIONAL
- REP EXISTING MOUNT PROSPECT LIGHT STANDARD TO BE REPLACED WITH TEMPORARY LIGHTING AND POLE REMOVED AT START OF CONSTRUCTION
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- LIGHTING CONTROLLER IDENTIFIER
- LIGHTING CIRCUIT IDENTIFIER
- WIRE COLOR IDENTIFIER



- NOTES:**
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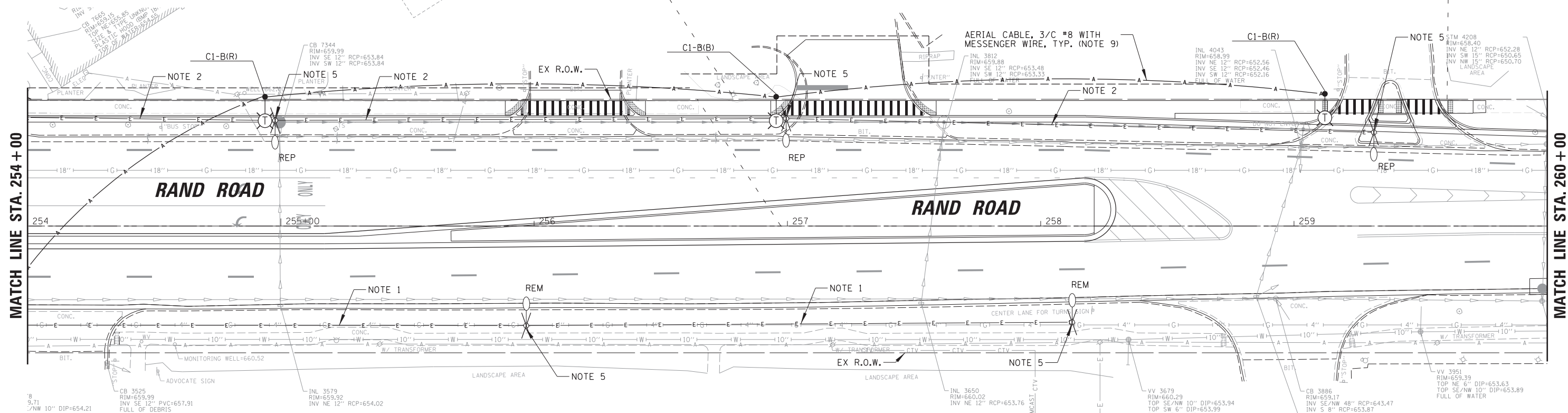
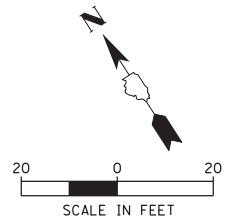
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	PLOT DATE = 5/4/2022	DATE 5/4/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD. - CENTRAL RD. - MOUNT PROSPECT RD. IMPROVEMENTS  
REMOVAL /TEMPORARY PLAN (5 OF 10)**

SCALE: 20' SHEET 5 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	182
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	



**LEGEND**

- EXISTING MOUNT PROSPECT LIGHT STANDARD TO REMAIN
- REM EXISTING MOUNT PROSPECT LIGHT STANDARD TO BE REMOVED AFTER PROPOSED LIGHTING IS OPERATIONAL
- REP EXISTING MOUNT PROSPECT LIGHT STANDARD TO BE REPLACED WITH TEMPORARY LIGHTING AND POLE REMOVED AT START OF CONSTRUCTION
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- LIGHTING CONTROLLER IDENTIFIER
- LIGHTING CIRCUIT IDENTIFIER
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**NOTES:**

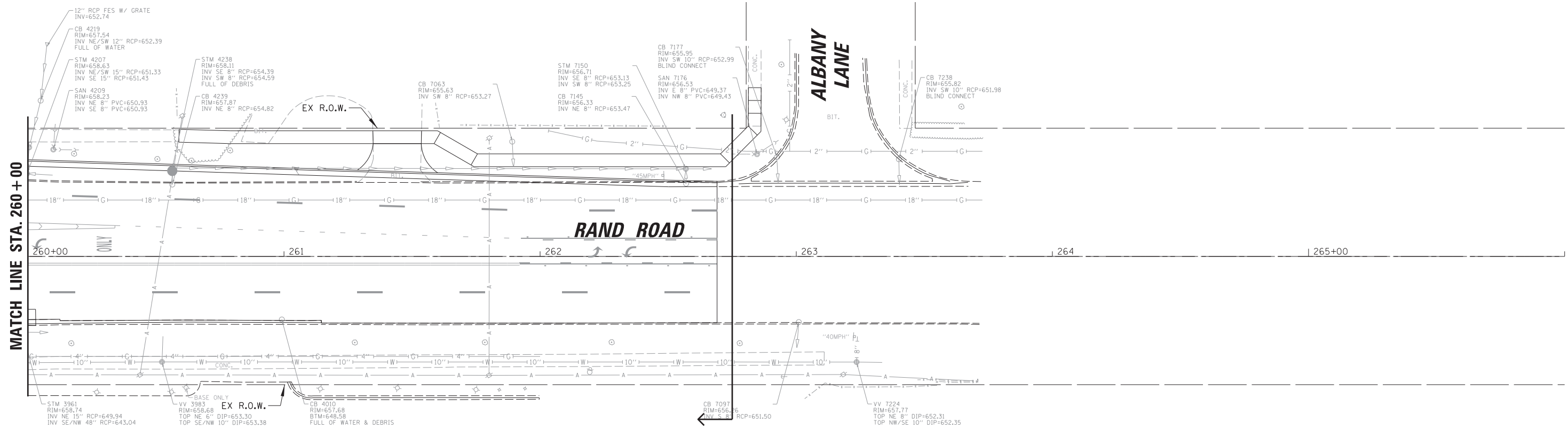
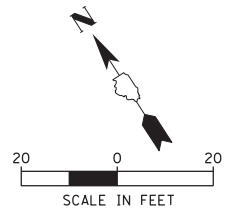
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FILE NAME = N:\MOUNTPROSPECT\200015\Mech\REM_200015_06.sht	USER NAME = rhowellindgren	DESIGNED AJD	REVISED -
		DRAWN RJJ	REVISED -
		CHECKED AJD	REVISED -
		DATE 5/4/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS</b>			
<b>REMOVAL /TEMPORARY PLAN (6 OF 10)</b>			
SCALE: 20'	SHEET 6	OF 10 SHEETS	STA. TO STA.

F.A. RTE. 334	SECTION 17-00166-00-CH	COUNTY COOK	TOTAL SHEETS 264	SHEET NO. 183
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	



**LEGEND**

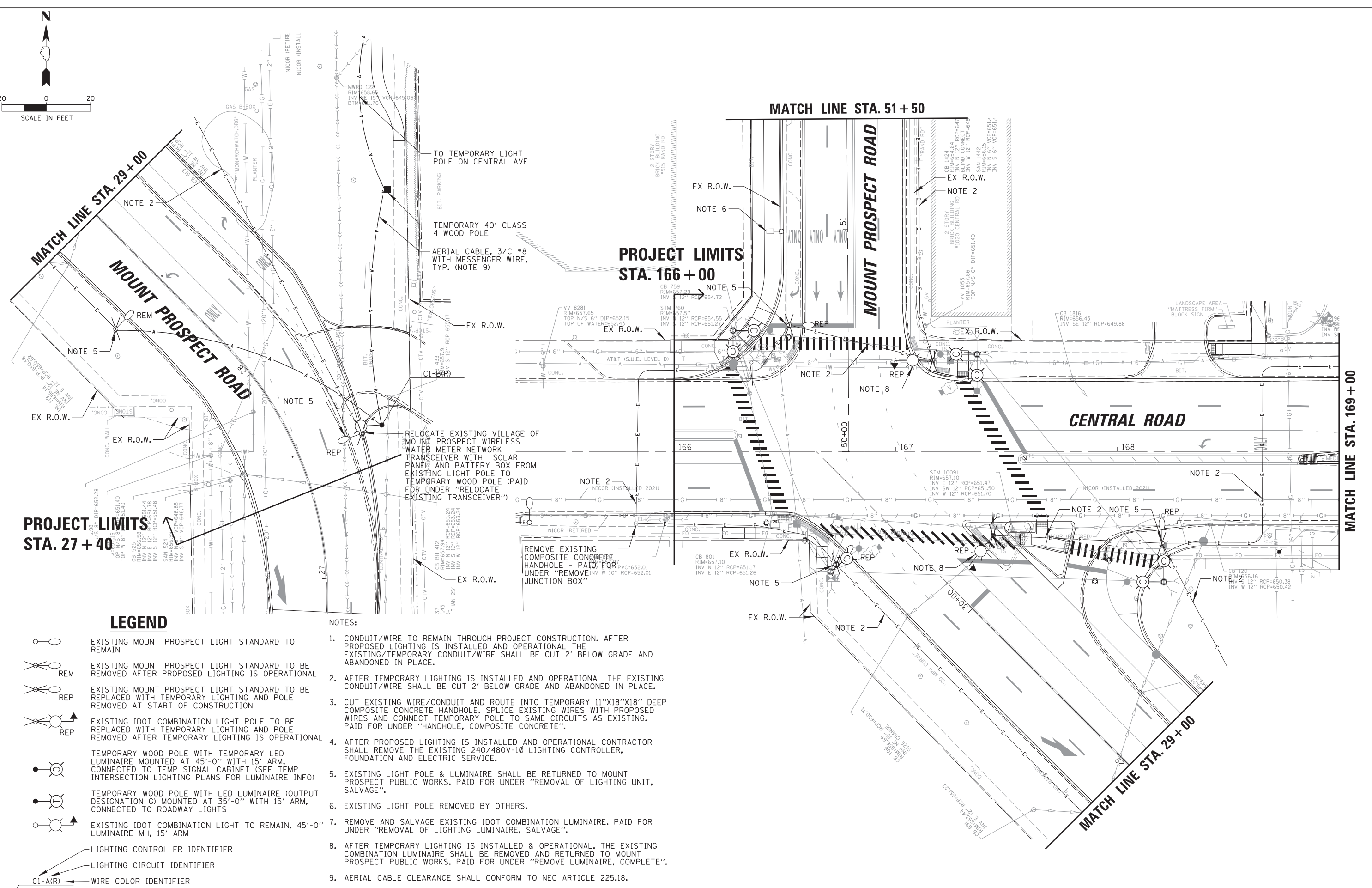
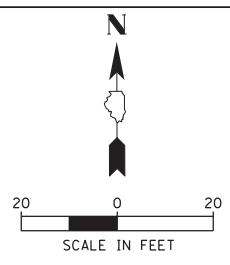
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- LIGHTING CIRCUIT IDENTIFIER
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**PROJECT LIMITS  
STA. 262 + 60**

**NOTES:**

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FILE NAME = N:\MOUNTPROSPECT\200015\Mech\REM\200015_07.sht	USER NAME = rhowellindgren	DESIGNED AJD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS REMOVAL /TEMPORARY PLAN (7 OF 10)</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20'	CHECKED AJD	REVISED -			334	17-00166-00-CH	COOK	264	184
Default	PLOT DATE = 5/4/2022	DATE 5/4/2022	REVISED -	SCALE: 20'	SHEET 7 OF 10 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 61H44		



**PROJECT LIMITS  
STA. 27 + 40**

**PROJECT LIMITS  
STA. 166 + 00**

**LEGEND**

- EXISTING MOUNT PROSPECT LIGHT STANDARD TO REMAIN
- EXISTING MOUNT PROSPECT LIGHT STANDARD TO BE REMOVED AFTER PROPOSED LIGHTING IS OPERATIONAL
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4. AFTER PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL CONTRACTOR SHALL REMOVE THE EXISTING 240/480V-1Ø LIGHTING CONTROLLER, FOUNDATION AND ELECTRIC SERVICE.
5. EXISTING LIGHT POLE & LUMINAIRE SHALL BE RETURNED TO MOUNT PROSPECT PUBLIC WORKS. PAID FOR UNDER "REMOVAL OF LIGHTING UNIT, SALVAGE".
6. EXISTING LIGHT POLE REMOVED BY OTHERS.
7. REMOVE AND SALVAGE EXISTING IDOT COMBINATION LUMINAIRE. PAID FOR UNDER "REMOVAL OF LIGHTING LUMINAIRE, SALVAGE".
8. AFTER TEMPORARY LIGHTING IS INSTALLED & OPERATIONAL, THE EXISTING COMBINATION LUMINAIRE SHALL BE REMOVED AND RETURNED TO MOUNT PROSPECT PUBLIC WORKS. PAID FOR UNDER "REMOVE LUMINAIRE, COMPLETE".
9. AERIAL CABLE CLEARANCE SHALL CONFORM TO NEC ARTICLE 225.18.

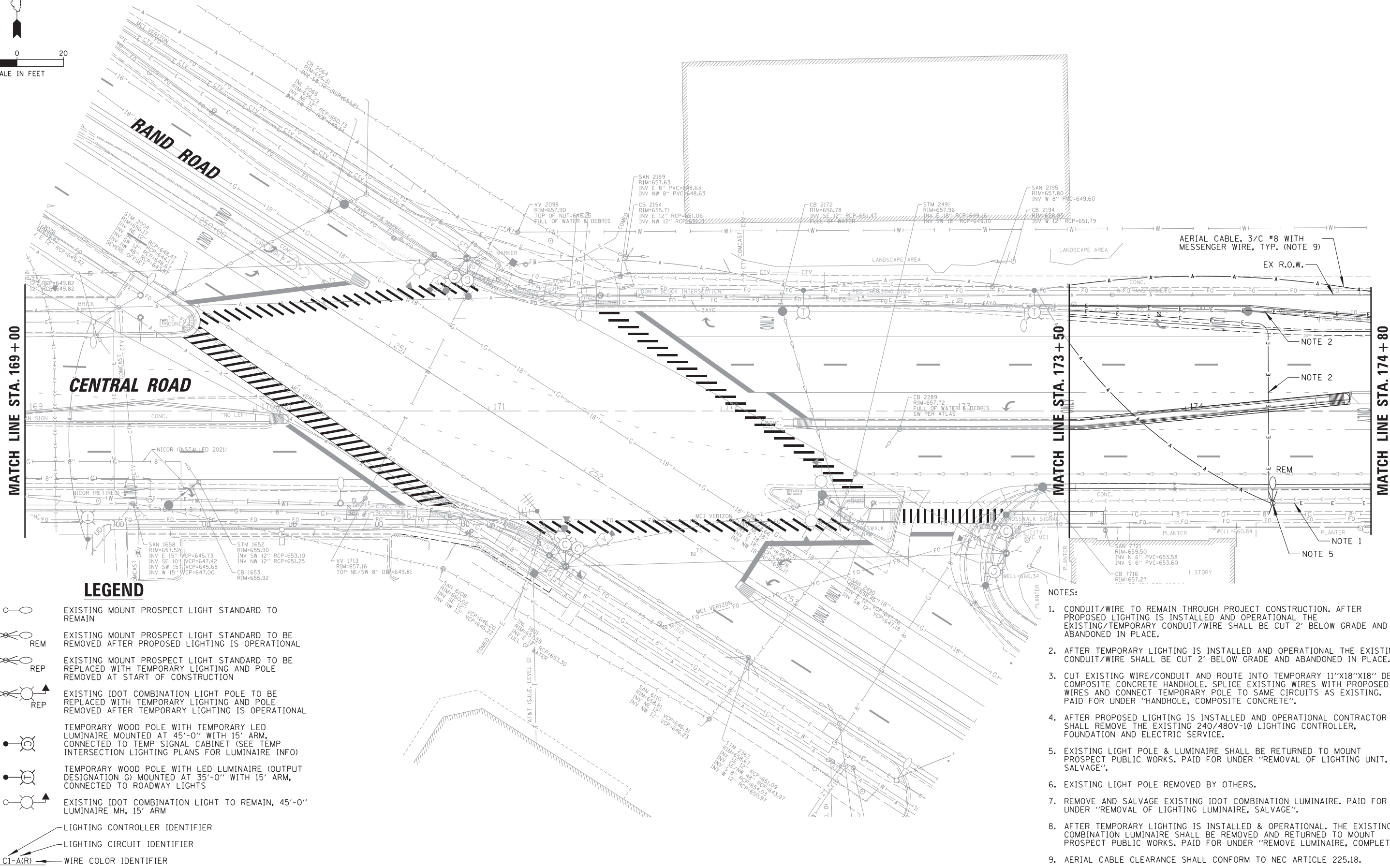
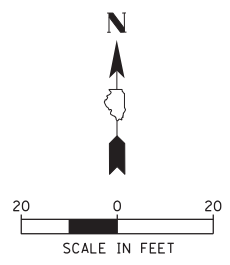
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
REMOVAL /TEMPORARY PLAN (8 OF 10)**

SCALE: 20' SHEET 8 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	185
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	



**LEGEND**

- EXISTING MOUNT PROSPECT LIGHT STANDARD TO REMAIN
- REM EXISTING MOUNT PROSPECT LIGHT STANDARD TO BE REMOVED AFTER PROPOSED LIGHTING IS OPERATIONAL
- REP EXISTING MOUNT PROSPECT LIGHT STANDARD TO BE REPLACED WITH TEMPORARY LIGHTING AND POLE REMOVED AT START OF CONSTRUCTION
- REP EXISTING IDOT COMBINATION LIGHT POLE TO BE REPLACED WITH TEMPORARY LIGHTING AND POLE REMOVED AFTER TEMPORARY LIGHTING IS OPERATIONAL
- TEMPORARY WOOD POLE WITH TEMPORARY LED LUMINAIRE MOUNTED AT 45'-0" WITH 15' ARM, CONNECTED TO TEMP SIGNAL CABINET (SEE TEMP INTERSECTION LIGHTING PLANS FOR LUMINAIRE INFO)
- TEMPORARY WOOD POLE WITH LED LUMINAIRE (OUTPUT DESIGNATION G) MOUNTED AT 35'-0" WITH 15' ARM, CONNECTED TO ROADWAY LIGHTS
- EXISTING IDOT COMBINATION LIGHT TO REMAIN, 45'-0" LUMINAIRE MH, 15' ARM
- LIGHTING CONTROLLER IDENTIFIER
- LIGHTING CIRCUIT IDENTIFIER
- CI-A(R) WIRE COLOR IDENTIFIER

**NOTES:**

1. CONDUIT/WIRE TO REMAIN THROUGH PROJECT CONSTRUCTION. AFTER PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL THE EXISTING/TEMPORARY CONDUIT/WIRE SHALL BE CUT 2' BELOW GRADE AND ABANDONED IN PLACE.
2. AFTER TEMPORARY LIGHTING IS INSTALLED AND OPERATIONAL THE EXISTING CONDUIT/WIRE SHALL BE CUT 2' BELOW GRADE AND ABANDONED IN PLACE.
3. CUT EXISTING WIRE/CONDUIT AND ROUTE INTO TEMPORARY 11"X18"X18" DEEP COMPOSITE CONCRETE HANDHOLE. SPLICE EXISTING WIRES WITH PROPOSED WIRES AND CONNECT TEMPORARY POLE TO SAME CIRCUITS AS EXISTING. PAID FOR UNDER "HANDHOLE, COMPOSITE CONCRETE".
4. AFTER PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL CONTRACTOR SHALL REMOVE THE EXISTING 240/480V-1Ø LIGHTING CONTROLLER, FOUNDATION AND ELECTRIC SERVICE.
5. EXISTING LIGHT POLE & LUMINAIRE SHALL BE RETURNED TO MOUNT PROSPECT PUBLIC WORKS. PAID FOR UNDER "REMOVAL OF LIGHTING UNIT, SALVAGE".
6. EXISTING LIGHT POLE REMOVED BY OTHERS.
7. REMOVE AND SALVAGE EXISTING IDOT COMBINATION LUMINAIRE. PAID FOR UNDER "REMOVAL OF LIGHTING LUMINAIRE, SALVAGE".
8. AFTER TEMPORARY LIGHTING IS INSTALLED & OPERATIONAL. THE EXISTING COMBINATION LUMINAIRE SHALL BE REMOVED AND RETURNED TO MOUNT PROSPECT PUBLIC WORKS. PAID FOR UNDER "REMOVE LUMINAIRE, COMPLETE".
9. AERIAL CABLE CLEARANCE SHALL CONFORM TO NEC ARTICLE 225.18.

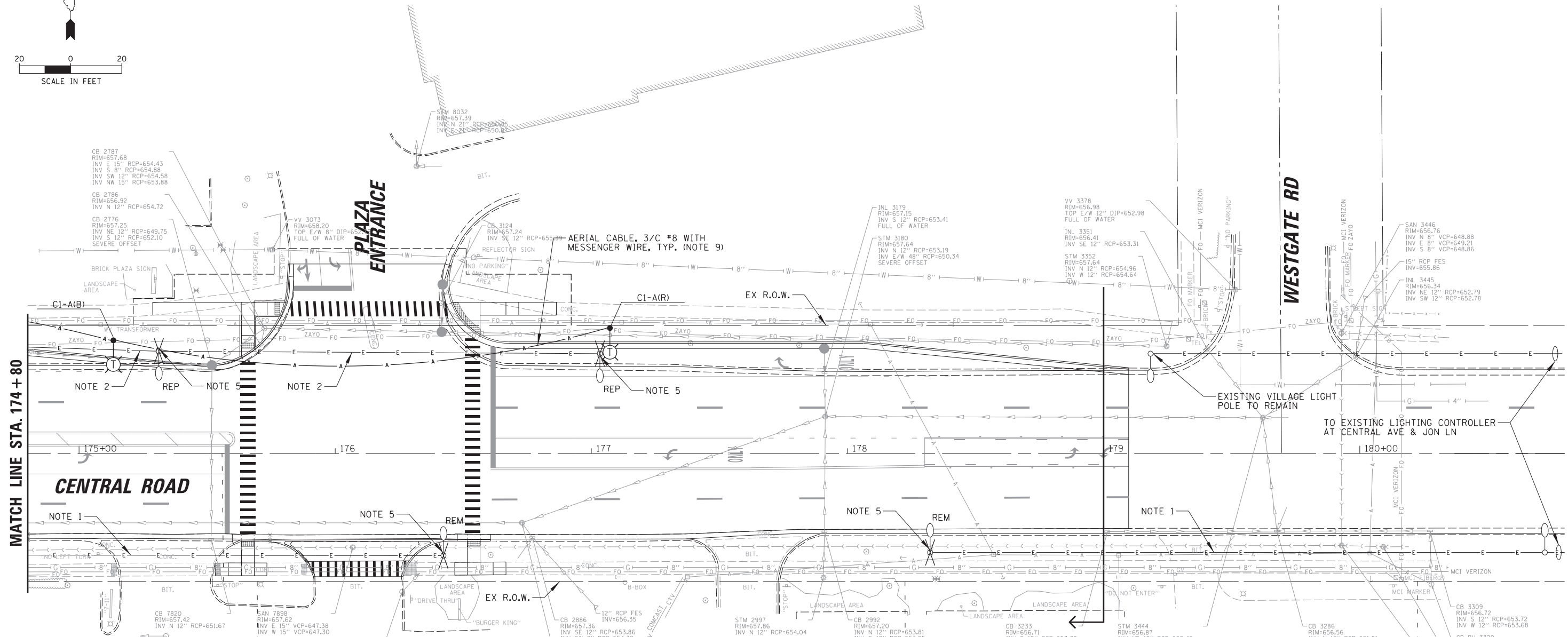
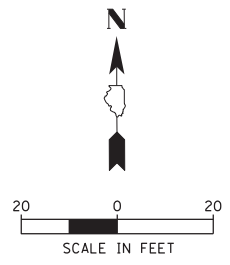
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
REMOVAL /TEMPORARY PLAN (9 OF 10)**

SCALE: 20' SHEET 9 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	186
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	



MATCH LINE STA. 174 + 80

**PROJECT LIMITS  
STA. 179 + 00**

**LEGEND**

- EXISTING MOUNT PROSPECT LIGHT STANDARD TO REMAIN
- REM EXISTING MOUNT PROSPECT LIGHT STANDARD TO BE REMOVED AFTER PROPOSED LIGHTING IS OPERATIONAL
- REP EXISTING MOUNT PROSPECT LIGHT STANDARD TO BE REPLACED WITH TEMPORARY LIGHTING AND POLE REMOVED AT START OF CONSTRUCTION
- REP EXISTING IDOT COMBINATION LIGHT POLE TO BE REPLACED WITH TEMPORARY LIGHTING AND POLE REMOVED AFTER TEMPORARY LIGHTING IS OPERATIONAL
- TEMPORARY WOOD POLE WITH TEMPORARY LED LUMINAIRE MOUNTED AT 45'-0" WITH 15' ARM, CONNECTED TO TEMP SIGNAL CABINET (SEE TEMP INTERSECTION LIGHTING PLANS FOR LUMINAIRE INFO)
- TEMPORARY WOOD POLE WITH LED LUMINAIRE (OUTPUT DESIGNATION G) MOUNTED AT 35'-0" WITH 15' ARM, CONNECTED TO ROADWAY LIGHTS
- EXISTING IDOT COMBINATION LIGHT TO REMAIN, 45'-0" LUMINAIRE MH, 15' ARM
- LIGHTING CONTROLLER IDENTIFIER
- LIGHTING CIRCUIT IDENTIFIER
- C1-A(R) WIRE COLOR IDENTIFIER

**NOTES:**

1. CONDUIT/WIRE TO REMAIN THROUGH PROJECT CONSTRUCTION. AFTER PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL THE EXISTING/TEMPORARY CONDUIT/WIRE SHALL BE CUT 2' BELOW GRADE AND ABANDONED IN PLACE.
2. AFTER TEMPORARY LIGHTING IS INSTALLED AND OPERATIONAL THE EXISTING LIGHTING CONDUIT/WIRE SHALL BE CUT 2' BELOW GRADE AND ABANDONED IN PLACE.
3. CUT EXISTING WIRE/CONDUIT AND ROUTE INTO TEMPORARY 11"X18"X18" DEEP COMPOSITE CONCRETE HANDHOLE. SPLICE EXISTING WIRES WITH PROPOSED WIRES AND CONNECT TEMPORARY POLE TO SAME CIRCUITS AS EXISTING. PAID FOR UNDER "HANDHOLE, COMPOSITE CONCRETE".
4. AFTER PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL CONTRACTOR SHALL REMOVE THE EXISTING 240/480V-1Ø LIGHTING CONTROLLER, FOUNDATION AND ELECTRIC SERVICE.
5. EXISTING LIGHT POLE & LUMINAIRE SHALL BE RETURNED TO MOUNT PROSPECT PUBLIC WORKS. PAID FOR UNDER "REMOVAL OF LIGHTING UNIT, SALVAGE".
6. EXISTING LIGHT POLE REMOVED BY OTHERS.
7. REMOVE AND SALVAGE EXISTING IDOT COMBINATION LUMINAIRE. PAID FOR UNDER "REMOVAL OF LIGHTING LUMINAIRE, SALVAGE".
8. AFTER TEMPORARY LIGHTING IS INSTALLED & OPERATIONAL. THE EXISTING COMBINATION LUMINAIRE SHALL BE REMOVED AND RETURNED TO MOUNT PROSPECT PUBLIC WORKS. PAID FOR UNDER "REMOVE LUMINAIRE, COMPLETE".
9. AERIAL CABLE CLEARANCE SHALL CONFORM TO NEC ARTICLE 225.18.

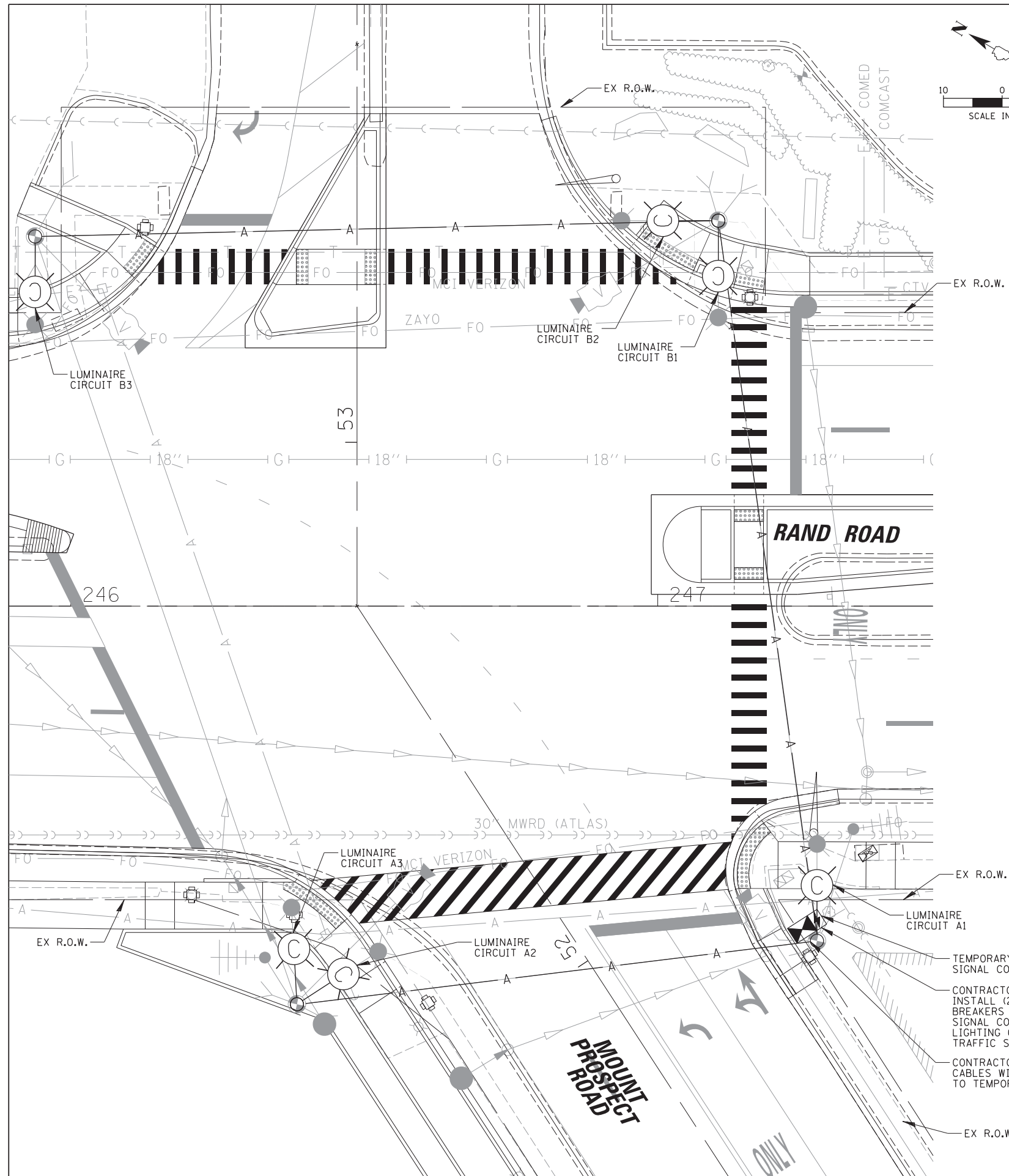
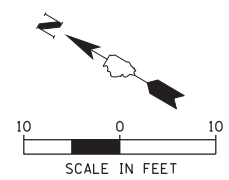
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
REMOVAL/TEMPORARY PLAN (10 OF 10)**

SCALE: 20' SHEET 10 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	187
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	



**LEGEND**

- PROPOSED COMBINATION TEMPORARY LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND TWO 120 VOLT LED LUMINAIRES (OUTPUT DESIGNATION H) ORIENTATED AT 60° WITH TYPE III DISTRIBUTION AND INTEGRAL PHOTOCELL
- PROPOSED COMBINATION TEMPORARY LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND TWO 120 VOLT LED LUMINAIRES (OUTPUT DESIGNATION H) ORIENTATED AT 90° WITH TYPE III DISTRIBUTION AND INTEGRAL PHOTOCELL
- PROPOSED COMBINATION TEMPORARY LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND ONE 120 VOLT LED LUMINAIRE (OUTPUT DESIGNATION H) WITH TYPE III DISTRIBUTION AND INTEGRAL PHOTOCELL
- A — TEMPORARY AERIAL CABLE, 2/C #8 WITH MESSENGER WIRE ROUTED OVERHEAD WITH TEMPORARY TRAFFIC SIGNAL CABLES

**NOTES:**

1. THE PROPOSED TEMPORARY COMBINATION LIGHTING CIRCUITS SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS, UNLESS OTHERWISE SHOWN.
2. TEMPORARY COMBINATION POLE LUMINAIRES ARE POWERED FROM TEMPORARY TRAFFIC CONTROLLER. SEE TRAFFIC SIGNAL PLANS.
3. TEMPORARY LIGHTING CABLE SHALL BE ATTACHED AERIALY TO TRAFFIC SIGNAL MESSENGER WIRE.
4. SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR LOCATION OF TEMPORARY COMBINATION POLES, AERIAL CABLES AND CONTROLLER.
5. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE ANY EXISTING LIGHTING CAN BE DISCONNECTED/REMOVED. THE TEMPORARY LIGHTING SHALL BE LIT EVERY NIGHT FROM DUSK TO DAWN THROUGHOUT CONSTRUCTION.
6. AFTER PROPOSED LIGHTING IS INSTALLED & OPERATIONAL, CONTRACTOR SHALL REMOVE TEMPORARY LIGHTING. PAID FOR UNDER "REMOVAL OF TEMPORARY LUMINAIRE".

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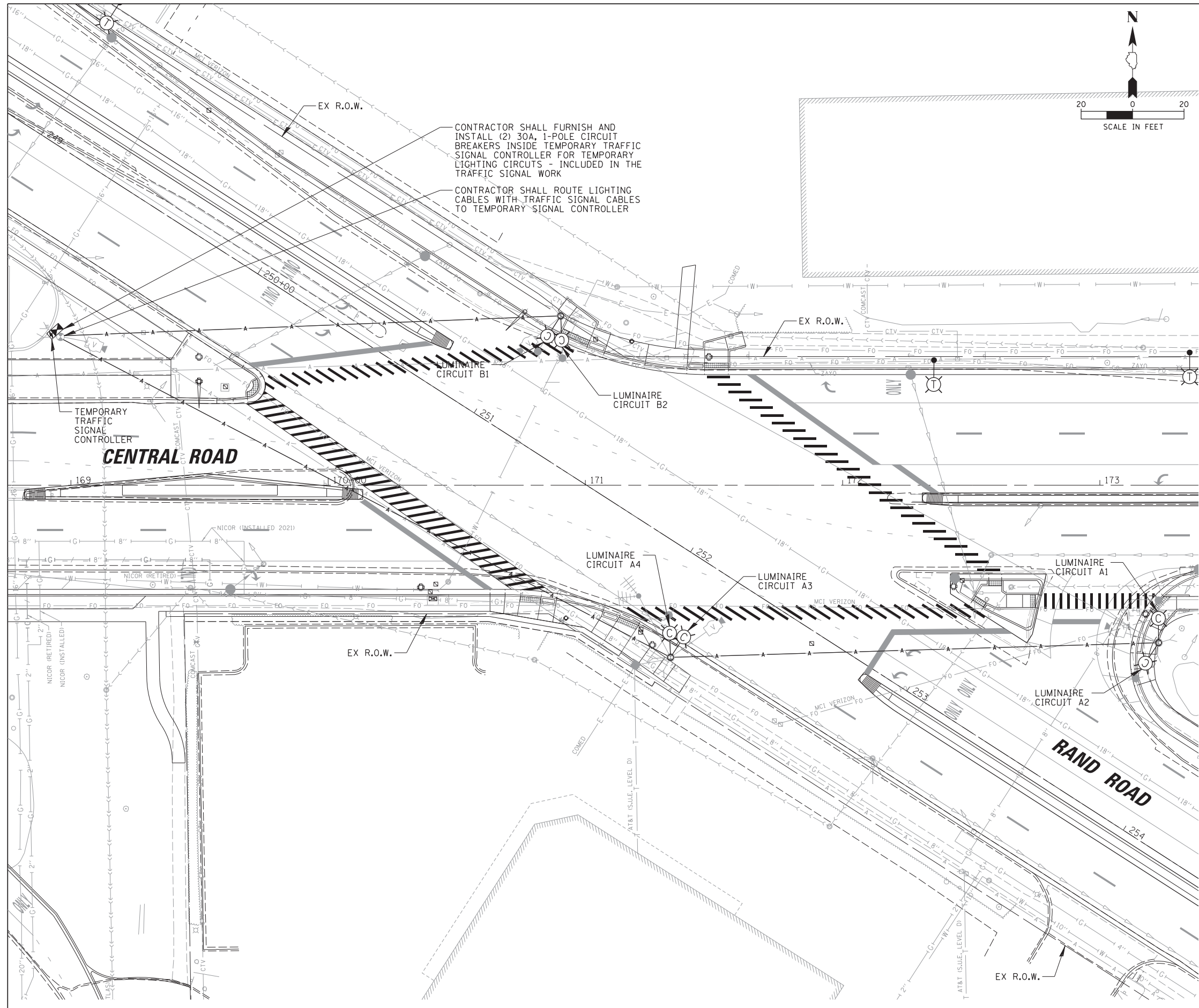
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
TEMPORARY INTERSECTION LIGHTING PLAN (1 OF 3)**

SCALE: 10' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	188
			CONTRACT NO. 61H44	
ILLINOIS FED. AID PROJECT				









CONTRACTOR SHALL FURNISH AND INSTALL (2) 30A, 1-POLE CIRCUIT BREAKERS INSIDE TEMPORARY TRAFFIC SIGNAL CONTROLLER FOR TEMPORARY LIGHTING CIRCUITS - INCLUDED IN THE TRAFFIC SIGNAL WORK

CONTRACTOR SHALL ROUTE LIGHTING CABLES WITH TRAFFIC SIGNAL CABLES TO TEMPORARY SIGNAL CONTROLLER

**LEGEND**

-  PROPOSED COMBINATION TEMPORARY LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND TWO 120 VOLT LED LUMINAIRES (OUTPUT DESIGNATION I) ORIENTATED AT 35° WITH TYPE III DISTRIBUTION AND INTEGRAL PHOTOCELL
-  PROPOSED COMBINATION TEMPORARY LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND TWO 120 VOLT LED LUMINAIRES (OUTPUT DESIGNATION I) ORIENTATED AT 147° WITH TYPE III DISTRIBUTION AND INTEGRAL PHOTOCELL
-  PROPOSED COMBINATION TEMPORARY LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND ONE 120 VOLT LED LUMINAIRE (OUTPUT DESIGNATION I) WITH TYPE III DISTRIBUTION AND INTEGRAL PHOTOCELL
-  A — TEMPORARY AERIAL CABLE, 2/C #8 WITH MESSENGER WIRE ROUTED OVERHEAD WITH TEMPORARY TRAFFIC SIGNAL CABLES

- NOTES:**
1. THE PROPOSED TEMPORARY COMBINATION LIGHTING CIRCUITS SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS, UNLESS OTHERWISE SHOWN.
  2. TEMPORARY COMBINATION POLE LUMINAIRES ARE POWERED FROM TEMPORARY TRAFFIC CONTROLLER. SEE TRAFFIC SIGNAL PLANS.
  3. TEMPORARY LIGHTING CABLE SHALL BE ATTACHED AERIALY TO TRAFFIC SIGNAL MESSENGER WIRE.
  4. SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR LOCATION OF TEMPORARY COMBINATION POLES, AERIAL CABLES AND CONTROLLER.
  5. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE ANY EXISTING LIGHTING CAN BE DISCONNECTED/REMOVED. THE TEMPORARY LIGHTING SHALL BE LIT EVERY NIGHT FROM DUSK TO DAWN THROUGHOUT CONSTRUCTION.
  6. AFTER PROPOSED LIGHTING IS INSTALLED & OPERATIONAL, CONTRACTOR SHALL REMOVE TEMPORARY LIGHTING. PAID FOR UNDER "REMOVAL OF TEMPORARY LUMINAIRE".

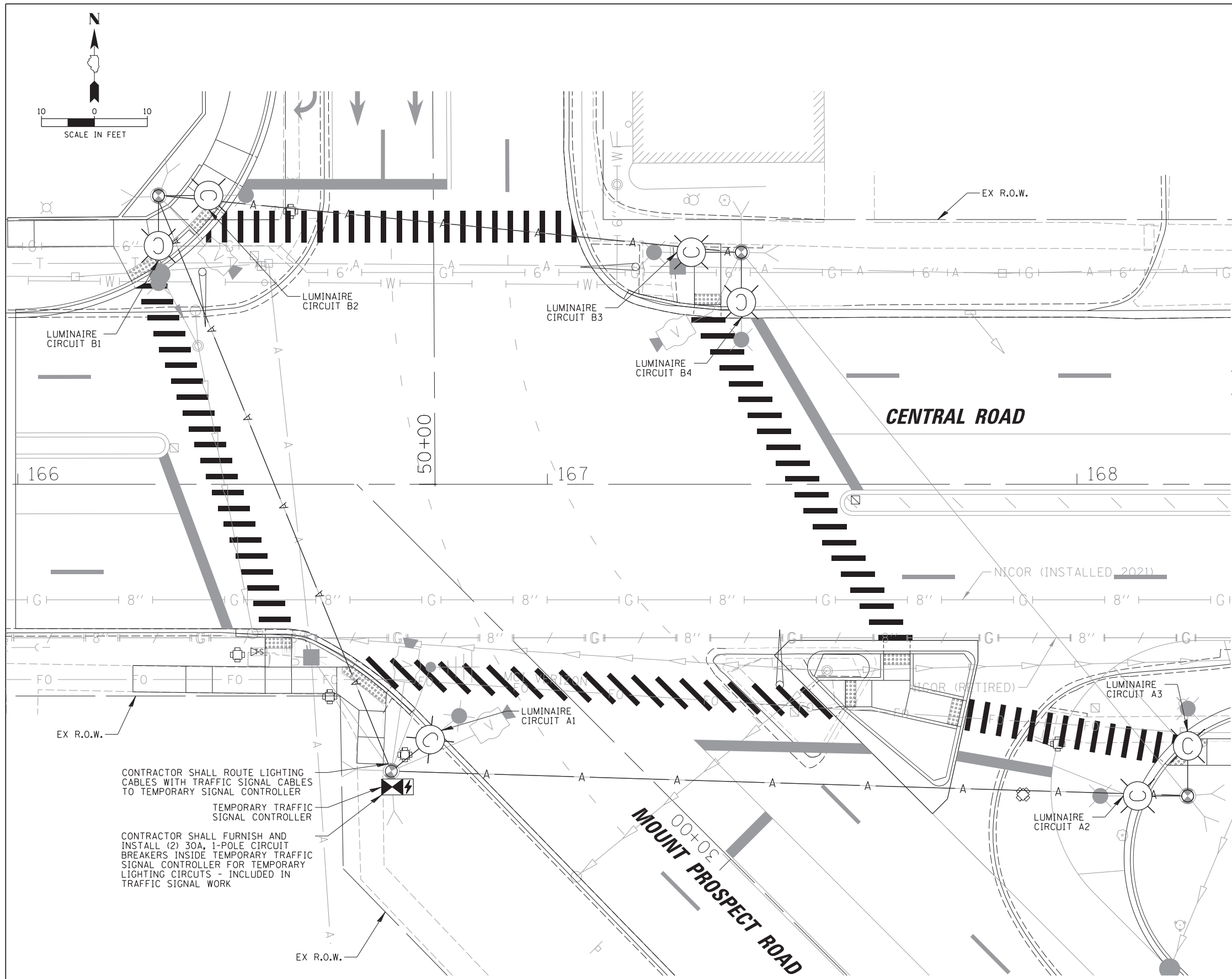
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
TEMPORARY INTERSECTION LIGHTING PLAN (2 OF 3)**

SCALE: 20' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	189
				CONTRACT NO. 61H44
ILLINOIS FED. AID PROJECT				



**LEGEND**

- PROPOSED COMBINATION TEMPORARY LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND TWO 120 VOLT LED LUMINAIRES (OUTPUT DESIGNATION H) ORIENTATED AT 90° WITH TYPE III DISTRIBUTION AND INTEGRAL PHOTOCELL
- PROPOSED COMBINATION TEMPORARY LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND ONE 120 VOLT LED LUMINAIRE (OUTPUT DESIGNATION H) WITH TYPE III DISTRIBUTION AND INTEGRAL PHOTOCELL
- TEMPORARY AERIAL CABLE, 2/C #8 WITH MESSENGER WIRE ROUTED OVERHEAD WITH TEMPORARY TRAFFIC SIGNAL CABLES

**NOTES:**

1. THE PROPOSED TEMPORARY COMBINATION LIGHTING CIRCUITS SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS, UNLESS OTHERWISE SHOWN.
2. TEMPORARY COMBINATION POLE LUMINAIRES ARE POWERED FROM TEMPORARY TRAFFIC CONTROLLER. SEE TRAFFIC SIGNAL PLANS.
3. TEMPORARY LIGHTING CABLE SHALL BE ATTACHED AERIALY TO TRAFFIC SIGNAL MESSENGER WIRE.
4. SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR LOCATION OF TEMPORARY COMBINATION POLES, AERIAL CABLES AND CONTROLLER.
5. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE ANY EXISTING LIGHTING CAN BE DISCONNECTED/REMOVED. THE TEMPORARY LIGHTING SHALL BE LIT EVERY NIGHT FROM DUSK TO DAWN THROUGHOUT CONSTRUCTION.
6. AFTER PROPOSED LIGHTING IS INSTALLED & OPERATIONAL, CONTRACTOR SHALL REMOVE TEMPORARY LIGHTING. PAID FOR UNDER "REMOVAL OF TEMPORARY LUMINAIRE".

CONTRACTOR SHALL ROUTE LIGHTING CABLES WITH TRAFFIC SIGNAL CABLES TO TEMPORARY SIGNAL CONTROLLER

TEMPORARY TRAFFIC SIGNAL CONTROLLER

CONTRACTOR SHALL FURNISH AND INSTALL (2) 30A, 1-POLE CIRCUIT BREAKERS INSIDE TEMPORARY TRAFFIC SIGNAL CONTROLLER FOR TEMPORARY LIGHTING CIRCUITS - INCLUDED IN TRAFFIC SIGNAL WORK

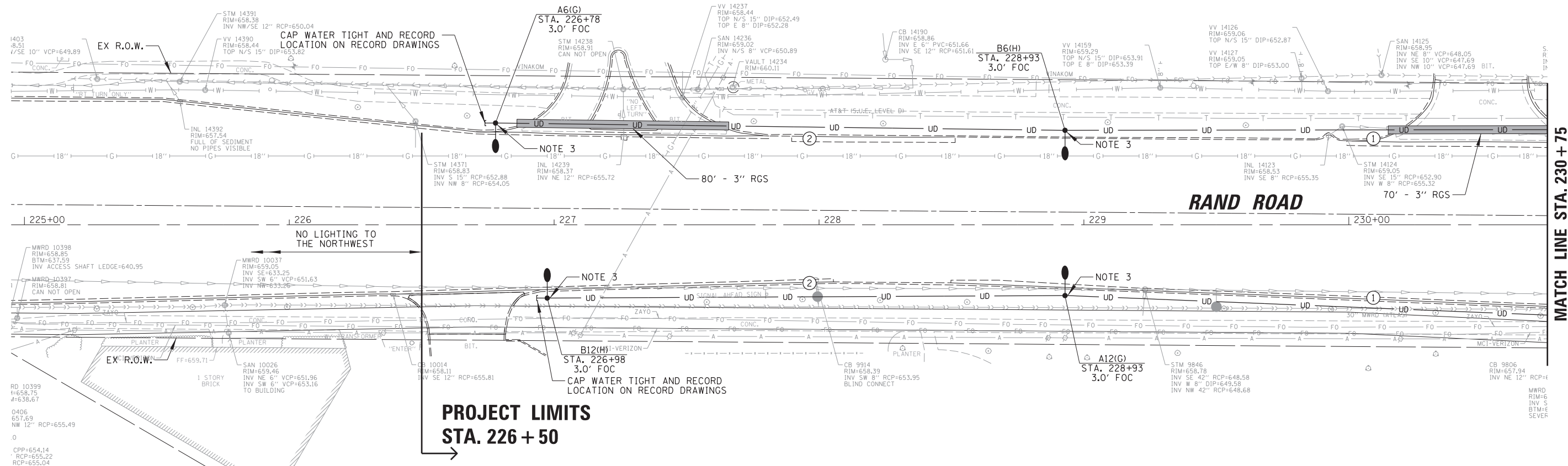
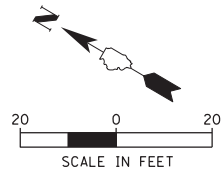
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
TEMPORARY INTERSECTION LIGHTING PLAN (3 OF 3)**

SCALE: 10' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	190
				CONTRACT NO. 61H44
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 230 + 75

**LEGEND**

- EXISTING MOUNT PROSPECT LIGHT STANDARD TO REMAIN
- PROPOSED MOUNT PROSPECT LIGHT STANDARD, 40 FT LUMINAIRE MH, 8 FT ARM
- EXISTING IDOT COMBINATION LIGHT POLE WITH PROPOSED LUMINAIRE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 90 DEGREES APART
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 147 DEGREES APART
- M = OWNED AND MAINTAINED BY VILLAGE OF MOUNT PROSPECT
- I = OWNED AND MAINTAINED BY IDOT
- EXISTING ELECTRIC UTILITY SERVICE
- LIGHTING CIRCUIT IDENTIFIER
- LIGHT POLE NUMBER IDENTIFIER
- RECEPTACLE CIRCUIT IDENTIFIER
- STATION
- SET BACK FROM FACE OF CURB (FOC) TO CENTER OF POLE
- PROPOSED HDPE CONDUIT
- RIGID GALVANIZED STEEL SLEEVE
- EXISTING HDPE CONDUIT
- PROPOSED ELECTRIC SERVICE
- PROPOSED COMPOSITE CONCRETE HANDHOLE
- PROPOSED 120/240V 1Ø LIGHTING CONTROLLER

**CONDUCTOR /CONDUIT SCHEDULE**

- ① 6/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1/2" SCH40 HDPE CONDUIT
- ② 3/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1/2" SCH40 HDPE CONDUIT

- NOTES:
1. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
  2. NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED INTERSECTION PLANS AND TRAFFIC SIGNAL PLANS.
  3. CONTRACTOR SHALL PROVIDE BANNER ARMS FOR POLE AND DELIVER TO THE VILLAGE, SEE DETAILS.
  4. NO BANNER ARMS SHALL BE PROVIDED OR INSTALLED ON THIS POLE.

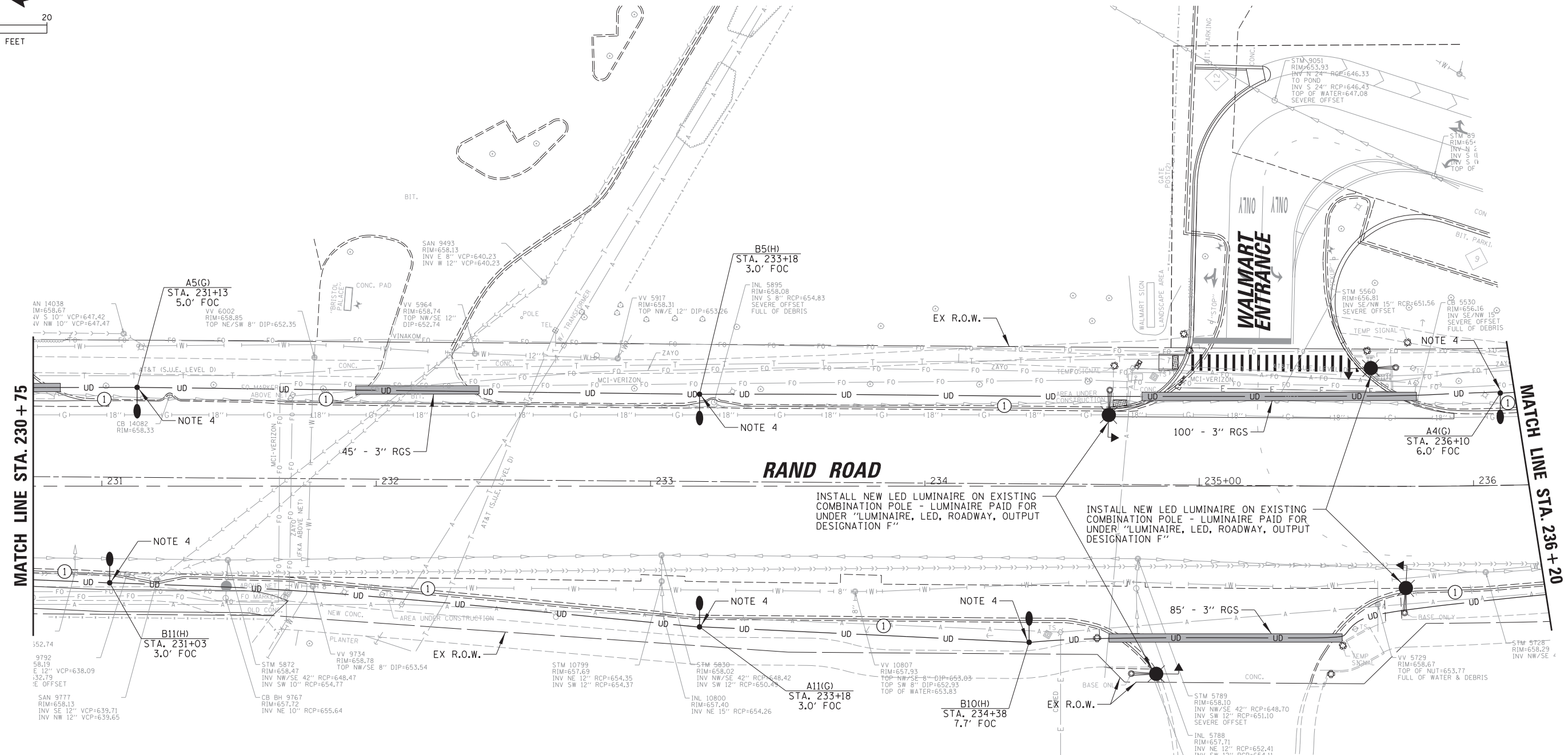
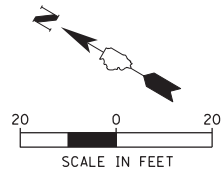
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PROPOSED LIGHTING PLAN (1 OF 10)**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	191
CONTRACT NO. 61H44				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 230 + 75

MATCH LINE STA. 236 + 20

**LEGEND**

- EXISTING MOUNT PROSPECT LIGHT STANDARD TO REMAIN
- PROPOSED MOUNT PROSPECT LIGHT STANDARD, 40 FT LUMINAIRE MH, 8 FT ARM
- EXISTING IDOT COMBINATION LIGHT POLE WITH PROPOSED LUMINAIRE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 90 DEGREES APART
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 147 DEGREES APART
- M = OWNED AND MAINTAINED BY VILLAGE OF MOUNT PROSPECT
- I = OWNED AND MAINTAINED BY IDOT
- EXISTING ELECTRIC UTILITY SERVICE
- LIGHTING CIRCUIT IDENTIFIER
- LIGHT POLE NUMBER IDENTIFIER
- RECEPTACLE CIRCUIT IDENTIFIER
- STATION
- SET BACK FROM FACE OF CURB (FOC) TO CENTER OF POLE
- PROPOSED HDPE CONDUIT
- RIGID GALVANIZED STEEL SLEEVE
- EXISTING HDPE CONDUIT
- PROPOSED ELECTRIC SERVICE
- PROPOSED COMPOSITE CONCRETE HANDHOLE
- PROPOSED 120/240V 1Ø LIGHTING CONTROLLER

**CONDUCTOR /CONDUIT SCHEDULE**

- ① 6/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1 1/2" SCH40 HDPE CONDUIT
- ② 3/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1 1/2" SCH40 HDPE CONDUIT

- NOTES:
1. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
  2. NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED INTERSECTION PLANS AND TRAFFIC SIGNAL PLANS.
  3. CONTRACTOR SHALL PROVIDE BANNER ARMS FOR POLE AND DELIVER TO THE VILLAGE, SEE DETAILS.
  4. NO BANNER ARMS SHALL BE PROVIDED OR INSTALLED ON THIS POLE.

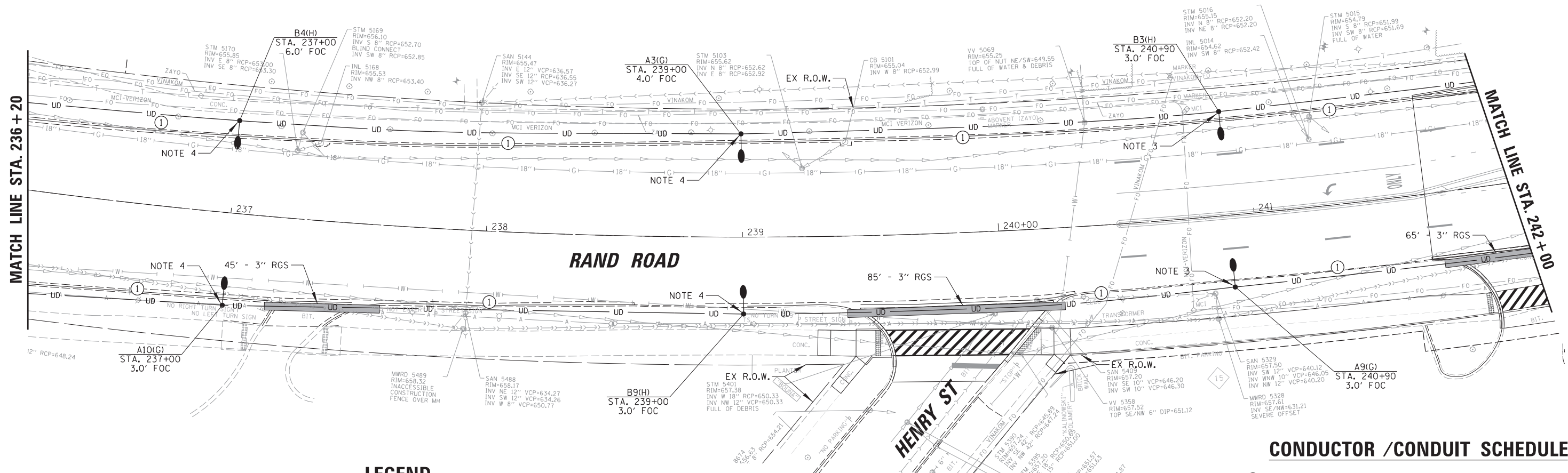
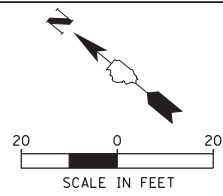
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PROPOSED LIGHTING PLAN (2 OF 10)**

SCALE: 20' SHEET 2 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	192
CONTRACT NO. 61H44				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- EXISTING MOUNT PROSPECT LIGHT STANDARD TO REMAIN
- PROPOSED MOUNT PROSPECT LIGHT STANDARD, 40 FT LUMINAIRE MH, 8 FT ARM
- EXISTING IDOT COMBINATION LIGHT POLE WITH PROPOSED LUMINAIRE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 90 DEGREES APART
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 147 DEGREES APART
- M = OWNED AND MAINTAINED BY VILLAGE OF MOUNT PROSPECT
- I = OWNED AND MAINTAINED BY IDOT
- EXISTING ELECTRIC UTILITY SERVICE
- LIGHTING CIRCUIT IDENTIFIER
- LIGHT POLE NUMBER IDENTIFIER
- RECEPTACLE CIRCUIT IDENTIFIER
- STATION
- SET BACK FROM FACE OF CURB (FOC) TO CENTER OF POLE
- PROPOSED HDPE CONDUIT
- RIGID GALVANIZED STEEL SLEEVE
- EXISTING HDPE CONDUIT
- PROPOSED ELECTRIC SERVICE
- PROPOSED COMPOSITE CONCRETE HANDHOLE
- PROPOSED 120/240V 1Ø LIGHTING CONTROLLER

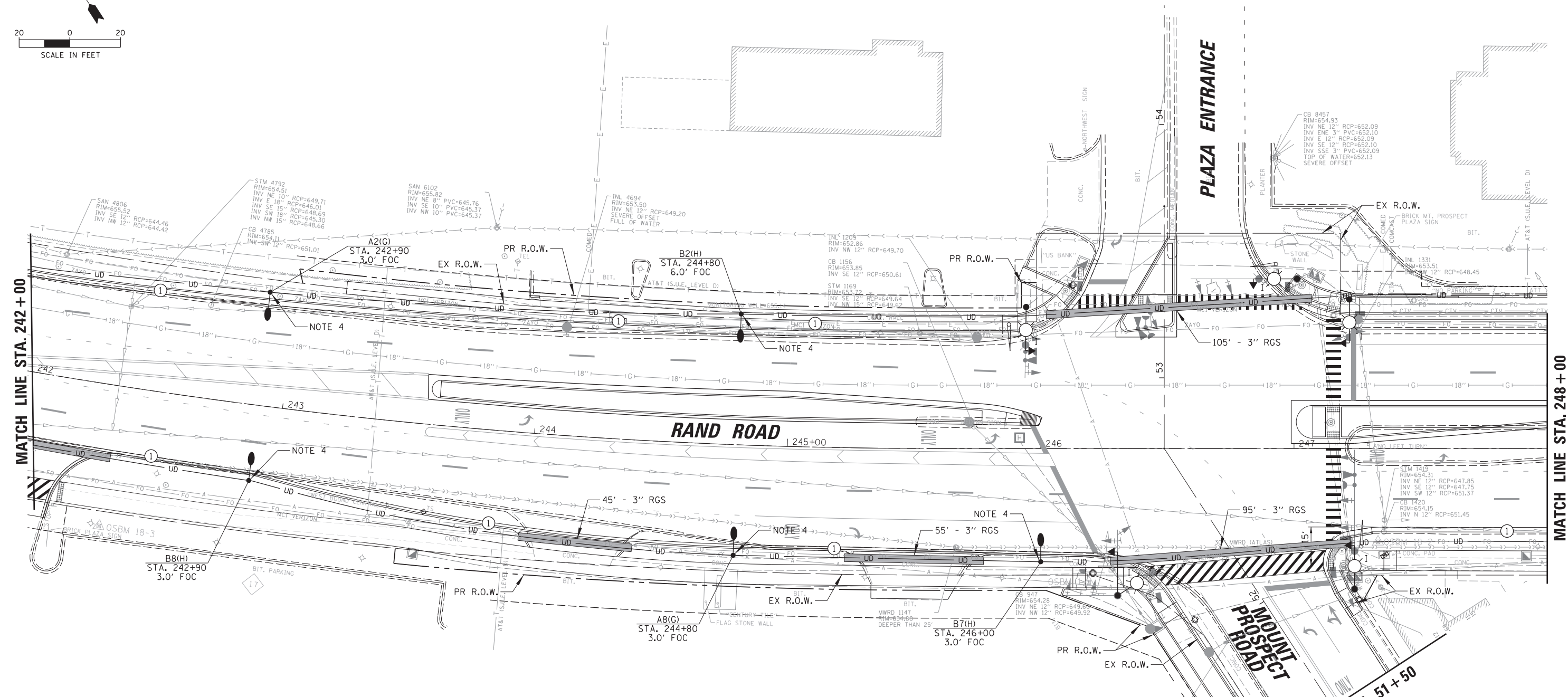
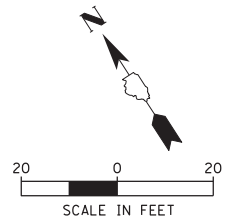
**CONDUCTOR / CONDUIT SCHEDULE**

- ① 6/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1 1/2" SCH40 HDPE CONDUIT
- ② 3/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1 1/2" SCH40 HDPE CONDUIT

**NOTES:**

1. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
2. NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED INTERSECTION PLANS AND TRAFFIC SIGNAL PLANS.
3. CONTRACTOR SHALL PROVIDE BANNER ARMS FOR POLE AND DELIVER TO THE VILLAGE, SEE DETAILS.
4. NO BANNER ARMS SHALL BE PROVIDED OR INSTALLED ON THIS POLE.

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Default	PLOT SCALE = 20'	CHECKED AJD	REVISED -			334	17-00166-00-CH	COOK	264	193	
	PLOT DATE = 5/4/2022	DATE 5/4/2022	REVISED -			CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT		
						SCALE: 20'	SHEET 3	OF 10 SHEETS	STA.	TO STA.	



**LEGEND**

- EXISTING MOUNT PROSPECT LIGHT STANDARD TO REMAIN
- PROPOSED MOUNT PROSPECT LIGHT STANDARD, 40 FT LUMINAIRE MH, 8 FT ARM
- EXISTING IDOT COMBINATION LIGHT POLE WITH PROPOSED LUMINAIRE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 90 DEGREES APART
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 147 DEGREES APART
- M = OWNED AND MAINTAINED BY VILLAGE OF MOUNT PROSPECT  
I = OWNED AND MAINTAINED BY IDOT
- EXISTING ELECTRIC UTILITY SERVICE
- LIGHTING CIRCUIT IDENTIFIER
- LIGHT POLE NUMBER IDENTIFIER
- RECEPTACLE CIRCUIT IDENTIFIER
- STATION
- SET BACK FROM FACE OF CURB (FOC) TO CENTER OF POLE
- PROPOSED HDPE CONDUIT
- RIGID GALVANIZED STEEL SLEEVE
- EXISTING HDPE CONDUIT
- PROPOSED ELECTRIC SERVICE
- PROPOSED COMPOSITE CONCRETE HANDHOLE
- PROPOSED 120/240V LIGHTING CONTROLLER

**CONDUCTOR / CONDUIT SCHEDULE**

- ① 6/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1 1/2" SCH40 HDPE CONDUIT
- ② 3/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1 1/2" SCH40 HDPE CONDUIT

**NOTES:**

1. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
2. NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED INTERSECTION PLANS AND TRAFFIC SIGNAL PLANS.
3. CONTRACTOR SHALL PROVIDE BANNER ARMS FOR POLE AND DELIVER TO THE VILLAGE, SEE DETAILS.
4. NO BANNER ARMS SHALL BE PROVIDED OR INSTALLED ON THIS POLE.

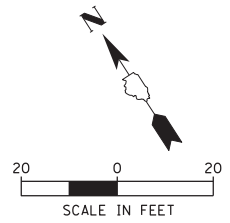
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	PLOT DATE = 5/4/2022	DATE 5/4/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PROPOSED LIGHTING PLAN (4 OF 10)**

SCALE: 20' SHEET 4 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	194
CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT	

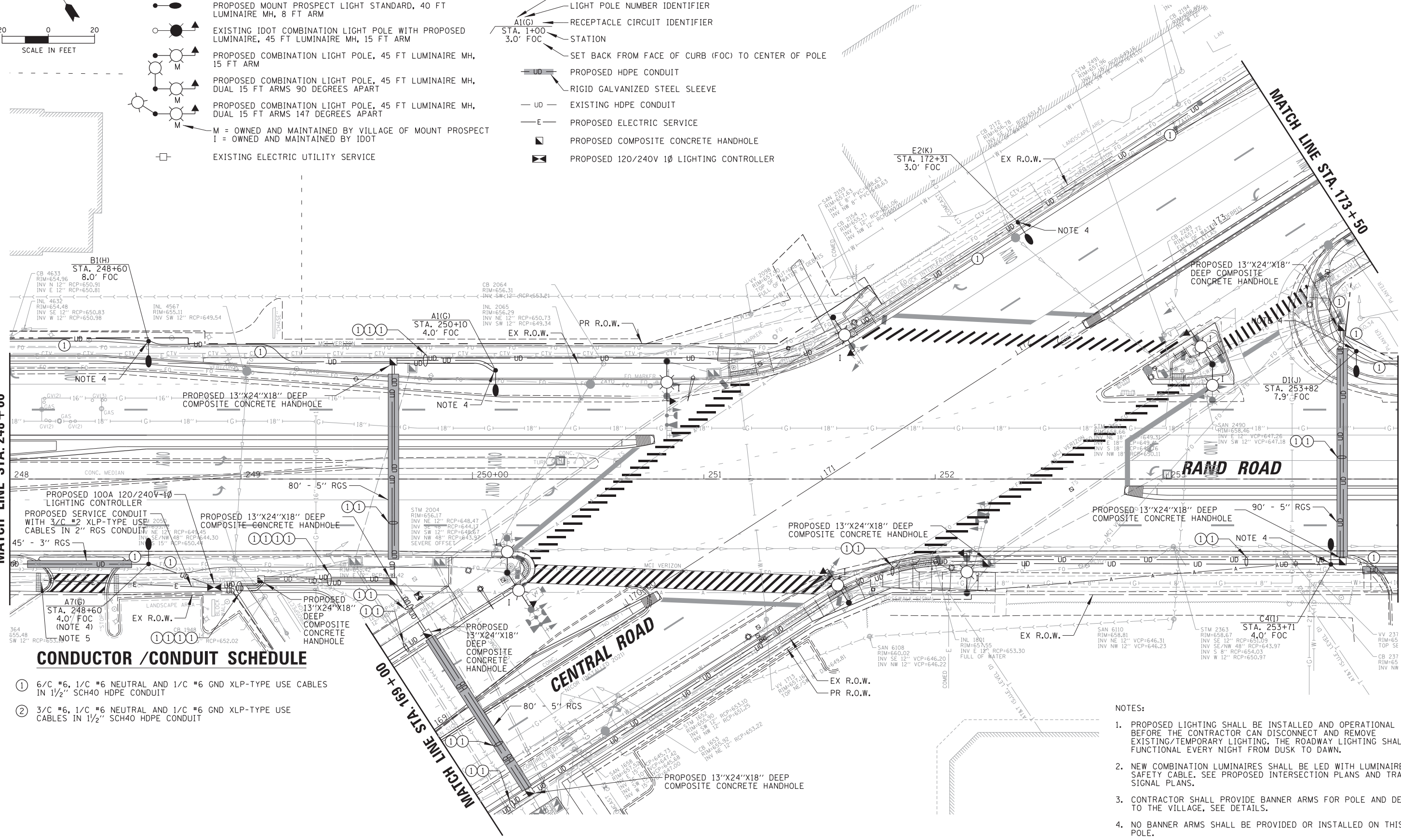


**LEGEND**

- EXISTING MOUNT PROSPECT LIGHT STANDARD TO REMAIN
- PROPOSED MOUNT PROSPECT LIGHT STANDARD, 40 FT LUMINAIRE MH, 8 FT ARM
- EXISTING IDOT COMBINATION LIGHT POLE WITH PROPOSED LUMINAIRE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 90 DEGREES APART
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 147 DEGREES APART
- M = OWNED AND MAINTAINED BY VILLAGE OF MOUNT PROSPECT
- I = OWNED AND MAINTAINED BY IDOT
- EXISTING ELECTRIC UTILITY SERVICE
- LIGHTING CIRCUIT IDENTIFIER
- LIGHT POLE NUMBER IDENTIFIER
- RECEPTACLE CIRCUIT IDENTIFIER
- STATION
- SET BACK FROM FACE OF CURB (FOC) TO CENTER OF POLE
- PROPOSED HDPE CONDUIT
- RIGID GALVANIZED STEEL SLEEVE
- EXISTING HDPE CONDUIT
- PROPOSED ELECTRIC SERVICE
- PROPOSED COMPOSITE CONCRETE HANDHOLE
- PROPOSED 120/240V 1Ø LIGHTING CONTROLLER

MATCH LINE STA. 248 + 00

MATCH LINE STA. 254 + 00



**CONDUCTOR /CONDUIT SCHEDULE**

- ① 6/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1 1/2" SCH40 HDPE CONDUIT
- ② 3/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1 1/2" SCH40 HDPE CONDUIT

**NOTES:**

1. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
2. NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED INTERSECTION PLANS AND TRAFFIC SIGNAL PLANS.
3. CONTRACTOR SHALL PROVIDE BANNER ARMS FOR POLE AND DELIVER TO THE VILLAGE, SEE DETAILS.
4. NO BANNER ARMS SHALL BE PROVIDED OR INSTALLED ON THIS POLE.
5. PROPOSED ELECTRIC SERVICE DROP LOCATION ON EXISTING POLE. SEE PROPOSED ELECTRIC SERVICE DETAIL.

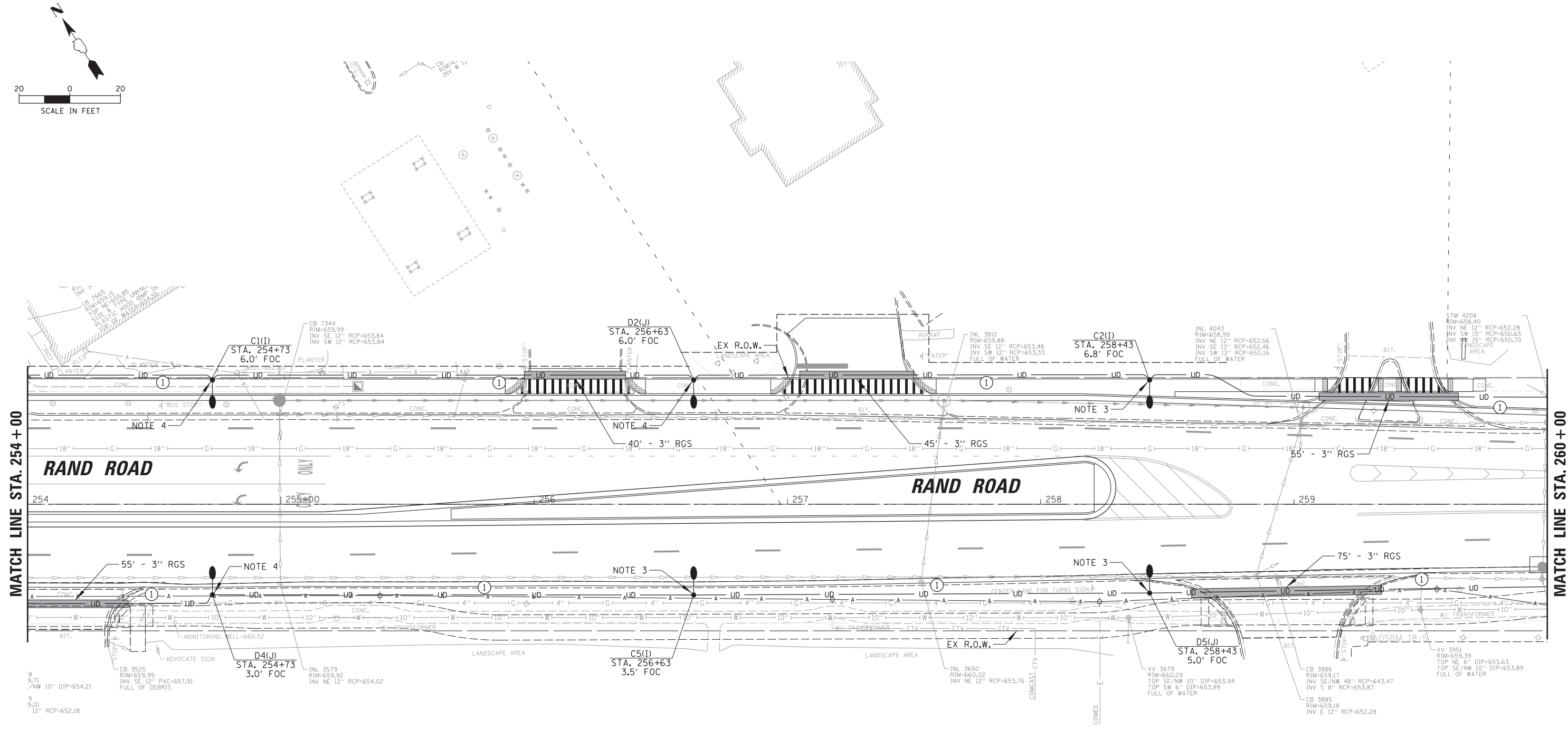
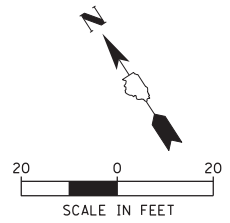
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PROPOSED LIGHTING PLAN (5 OF 10)**

SCALE: 20' SHEET 5 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	195
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	



**LEGEND**

- EXISTING MOUNT PROSPECT LIGHT STANDARD TO REMAIN
- PROPOSED MOUNT PROSPECT LIGHT STANDARD, 40 FT LUMINAIRE MH, 8 FT ARM
- EXISTING IDOT COMBINATION LIGHT POLE WITH PROPOSED LUMINAIRE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 90 DEGREES APART
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 147 DEGREES APART
- M = OWNED AND MAINTAINED BY VILLAGE OF MOUNT PROSPECT  
I = OWNED AND MAINTAINED BY IDOT
- EXISTING ELECTRIC UTILITY SERVICE
- LIGHTING CIRCUIT IDENTIFIER
- LIGHT POLE NUMBER IDENTIFIER
- RECEPTACLE CIRCUIT IDENTIFIER
- STATION
- SET BACK FROM FACE OF CURB (FOC) TO CENTER OF POLE
- PROPOSED HDPE CONDUIT
- RIGID GALVANIZED STEEL SLEEVE
- EXISTING HDPE CONDUIT
- PROPOSED ELECTRIC SERVICE
- PROPOSED COMPOSITE CONCRETE HANDHOLE
- PROPOSED 120/240V 1Ø LIGHTING CONTROLLER

**CONDUCTOR /CONDUIT SCHEDULE**

- ① 6/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1/2" SCH40 HDPE CONDUIT
- ② 3/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1/2" SCH40 HDPE CONDUIT

**NOTES:**

1. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
2. NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED INTERSECTION PLANS AND TRAFFIC SIGNAL PLANS.
3. CONTRACTOR SHALL PROVIDE BANNER ARMS FOR POLE AND DELIVER TO THE VILLAGE, SEE DETAILS.
4. NO BANNER ARMS SHALL BE PROVIDED OR INSTALLED ON THIS POLE.

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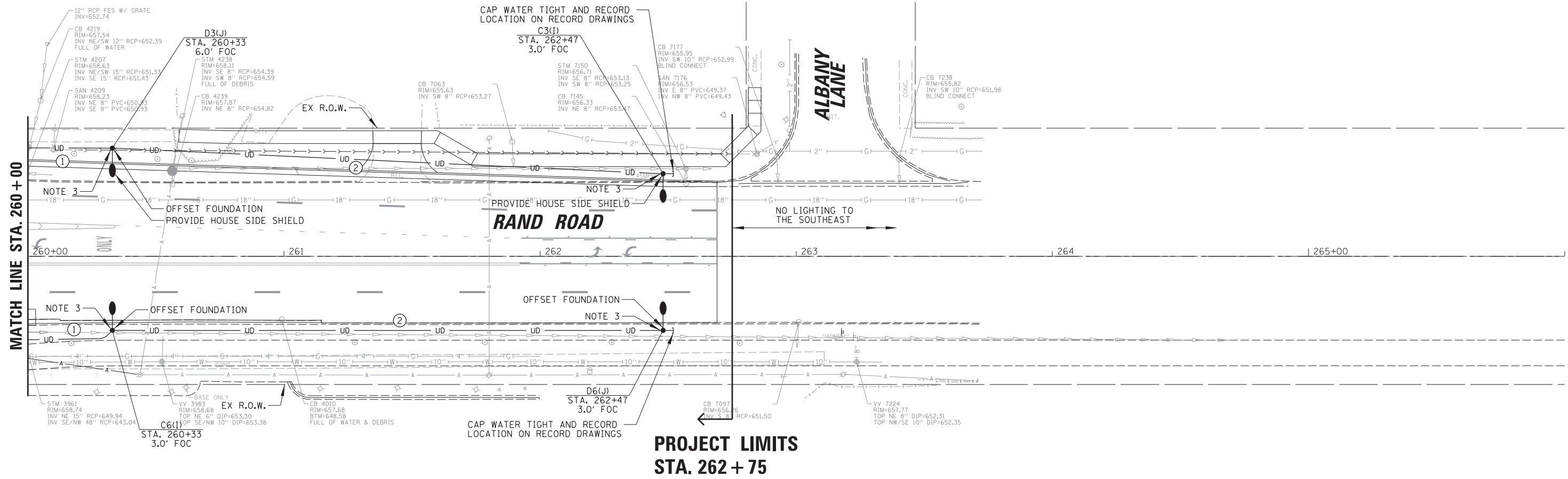
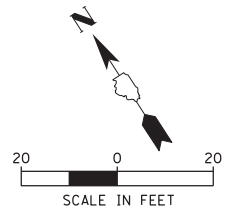
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PROPOSED LIGHTING PLAN (6 OF 10)**

SCALE: 20' SHEET 6 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	196
				CONTRACT NO. 61H44
ILLINOIS FED. AID PROJECT				





**LEGEND**

- EXISTING MOUNT PROSPECT LIGHT STANDARD TO REMAIN
- PROPOSED MOUNT PROSPECT LIGHT STANDARD, 40 FT LUMINAIRE MH, 8 FT ARM
- EXISTING IDOT COMBINATION LIGHT POLE WITH PROPOSED LUMINAIRE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 90 DEGREES APART
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 147 DEGREES APART
- M = OWNED AND MAINTAINED BY VILLAGE OF MOUNT PROSPECT  
I = OWNED AND MAINTAINED BY IDOT
- EXISTING ELECTRIC UTILITY SERVICE
- LIGHTING CIRCUIT IDENTIFIER
- LIGHT POLE NUMBER IDENTIFIER
- RECEPTACLE CIRCUIT IDENTIFIER
- STATION
- SET BACK FROM FACE OF CURB (FOC) TO CENTER OF POLE
- PROPOSED HDPE CONDUIT
- RIGID GALVANIZED STEEL SLEEVE
- EXISTING HDPE CONDUIT
- PROPOSED ELECTRIC SERVICE
- PROPOSED COMPOSITE CONCRETE HANDHOLE
- PROPOSED 120/240V 1Ø LIGHTING CONTROLLER

**CONDUCTOR /CONDUIT SCHEDULE**

- ① 6/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1/2" SCH40 HDPE CONDUIT
- ② 3/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1/2" SCH40 HDPE CONDUIT

**NOTES:**

1. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
2. NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED INTERSECTION PLANS AND TRAFFIC SIGNAL PLANS.
3. CONTRACTOR SHALL PROVIDE BANNER ARMS FOR POLE AND DELIVER TO THE VILLAGE, SEE DETAILS.
4. NO BANNER ARMS SHALL BE PROVIDED OR INSTALLED ON THIS POLE.

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	PLOT DATE = 5/4/2022	DATE 5/4/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PROPOSED LIGHTING PLAN (7 OF 10)**

SCALE: 20' SHEET 7 OF 10 SHEETS STA. TO STA.

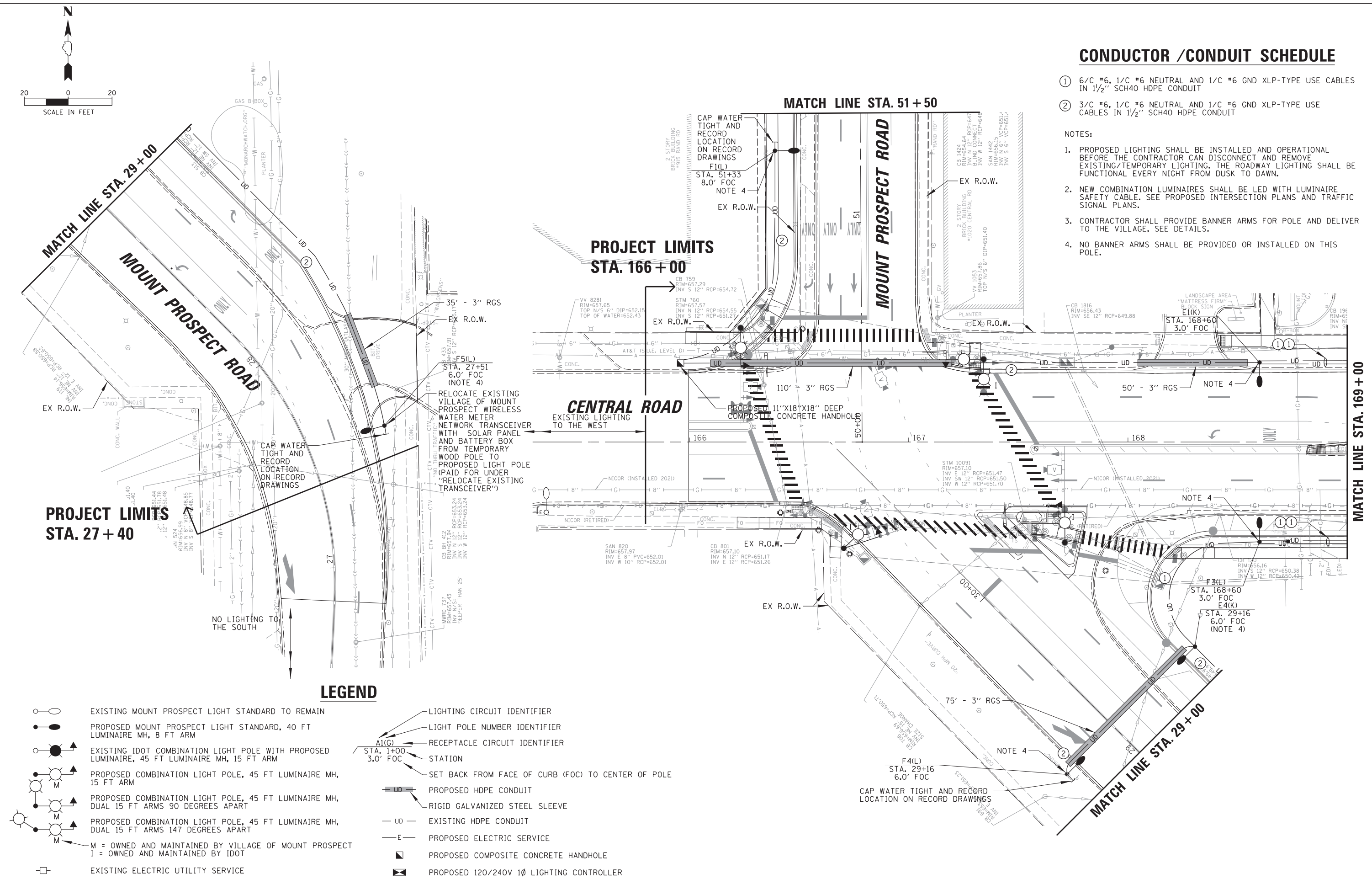
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	197
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	

### CONDUCTOR / CONDUIT SCHEDULE

- ① 6/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1/2" SCH40 HDPE CONDUIT
- ② 3/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1/2" SCH40 HDPE CONDUIT

NOTES:

1. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
2. NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED INTERSECTION PLANS AND TRAFFIC SIGNAL PLANS.
3. CONTRACTOR SHALL PROVIDE BANNER ARMS FOR POLE AND DELIVER TO THE VILLAGE, SEE DETAILS.
4. NO BANNER ARMS SHALL BE PROVIDED OR INSTALLED ON THIS POLE.



### LEGEND

- EXISTING MOUNT PROSPECT LIGHT STANDARD TO REMAIN
- PROPOSED MOUNT PROSPECT LIGHT STANDARD, 40 FT LUMINAIRE MH, 8 FT ARM
- EXISTING IDOT COMBINATION LIGHT POLE WITH PROPOSED LUMINAIRE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 90 DEGREES APART
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 147 DEGREES APART
- M = OWNED AND MAINTAINED BY VILLAGE OF MOUNT PROSPECT  
I = OWNED AND MAINTAINED BY IDOT
- EXISTING ELECTRIC UTILITY SERVICE
- LIGHTING CIRCUIT IDENTIFIER
- LIGHT POLE NUMBER IDENTIFIER
- RECEPTACLE CIRCUIT IDENTIFIER
- STATION
- SET BACK FROM FACE OF CURB (FOC) TO CENTER OF POLE
- PROPOSED HDPE CONDUIT
- RIGID GALVANIZED STEEL SLEEVE
- EXISTING HDPE CONDUIT
- PROPOSED ELECTRIC SERVICE
- PROPOSED COMPOSITE CONCRETE HANDHOLE
- PROPOSED 120/240V 1Ø LIGHTING CONTROLLER

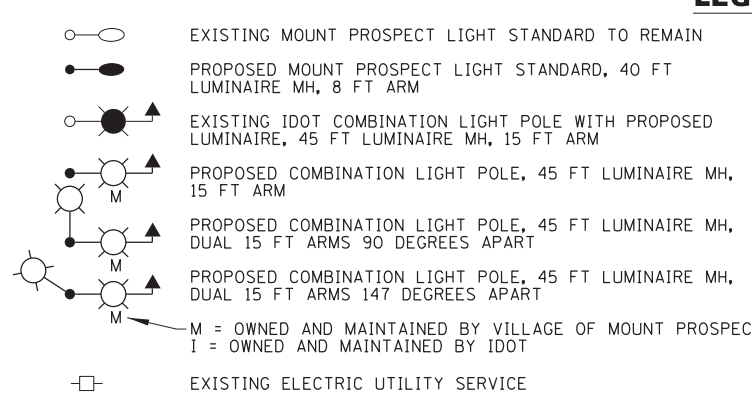
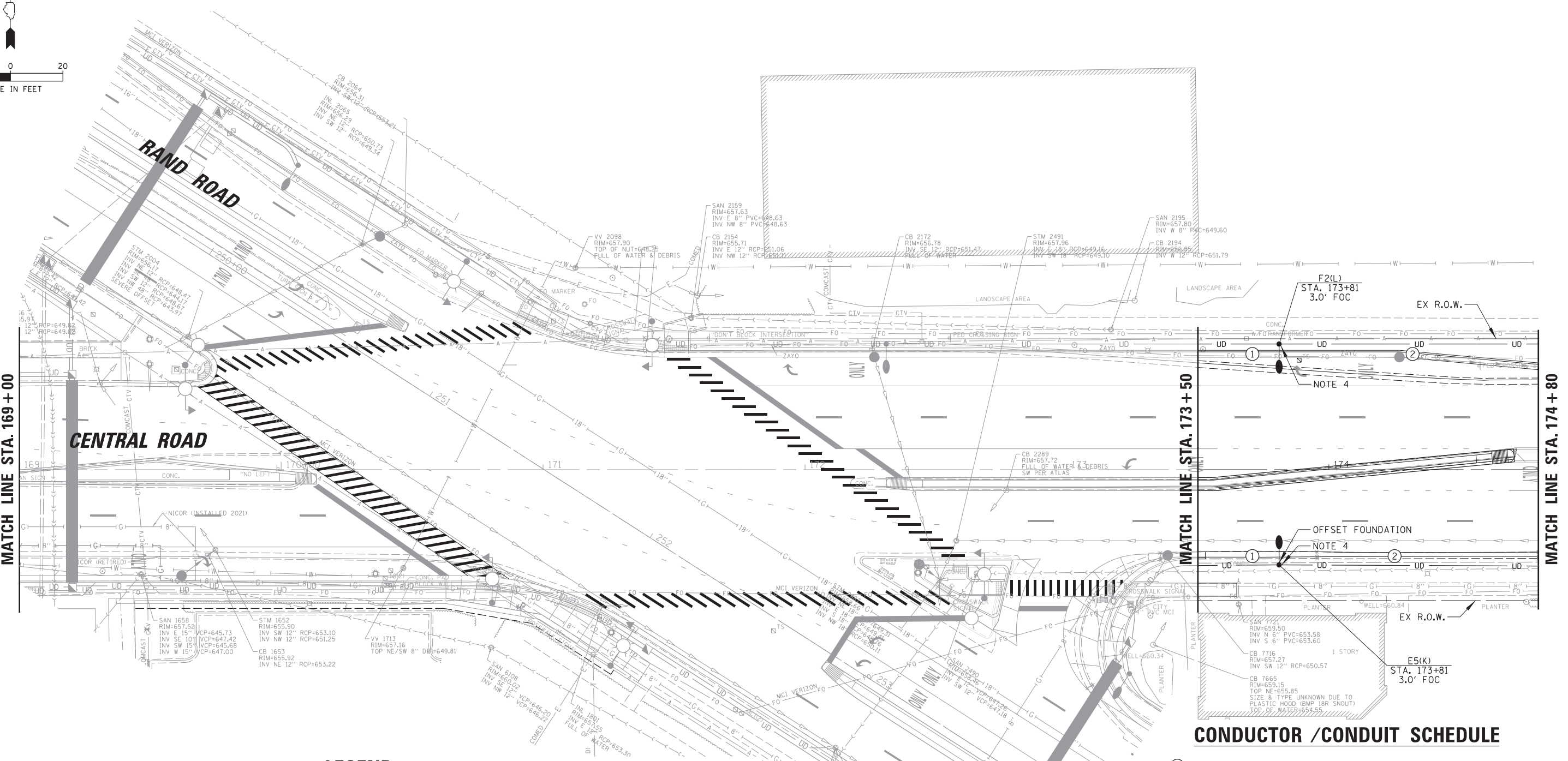
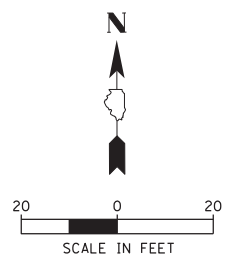
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

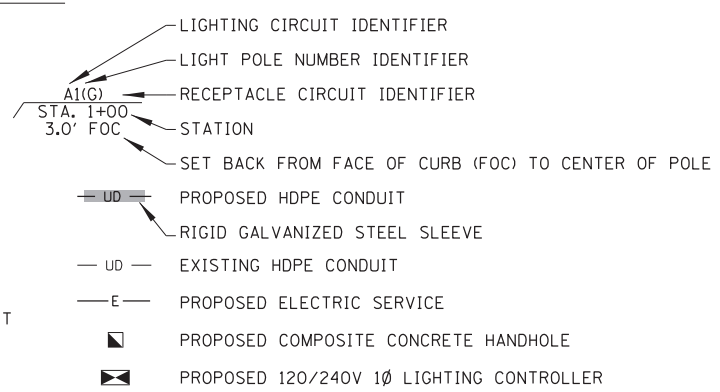
**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PROPOSED LIGHTING PLAN (8 OF 10)**

SCALE: 20' SHEET 8 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	198
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H44	



**LEGEND**



**CONDUCTOR / CONDUIT SCHEDULE**

- ① 6/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1 1/2" SCH40 HDPE CONDUIT
- ② 3/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1 1/2" SCH40 HDPE CONDUIT

**NOTES:**

1. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
2. NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED INTERSECTION PLANS AND TRAFFIC SIGNAL PLANS.
3. CONTRACTOR SHALL PROVIDE BANNER ARMS FOR POLE AND DELIVER TO THE VILLAGE, SEE DETAILS.
4. NO BANNER ARMS SHALL BE PROVIDED OR INSTALLED ON THIS POLE.

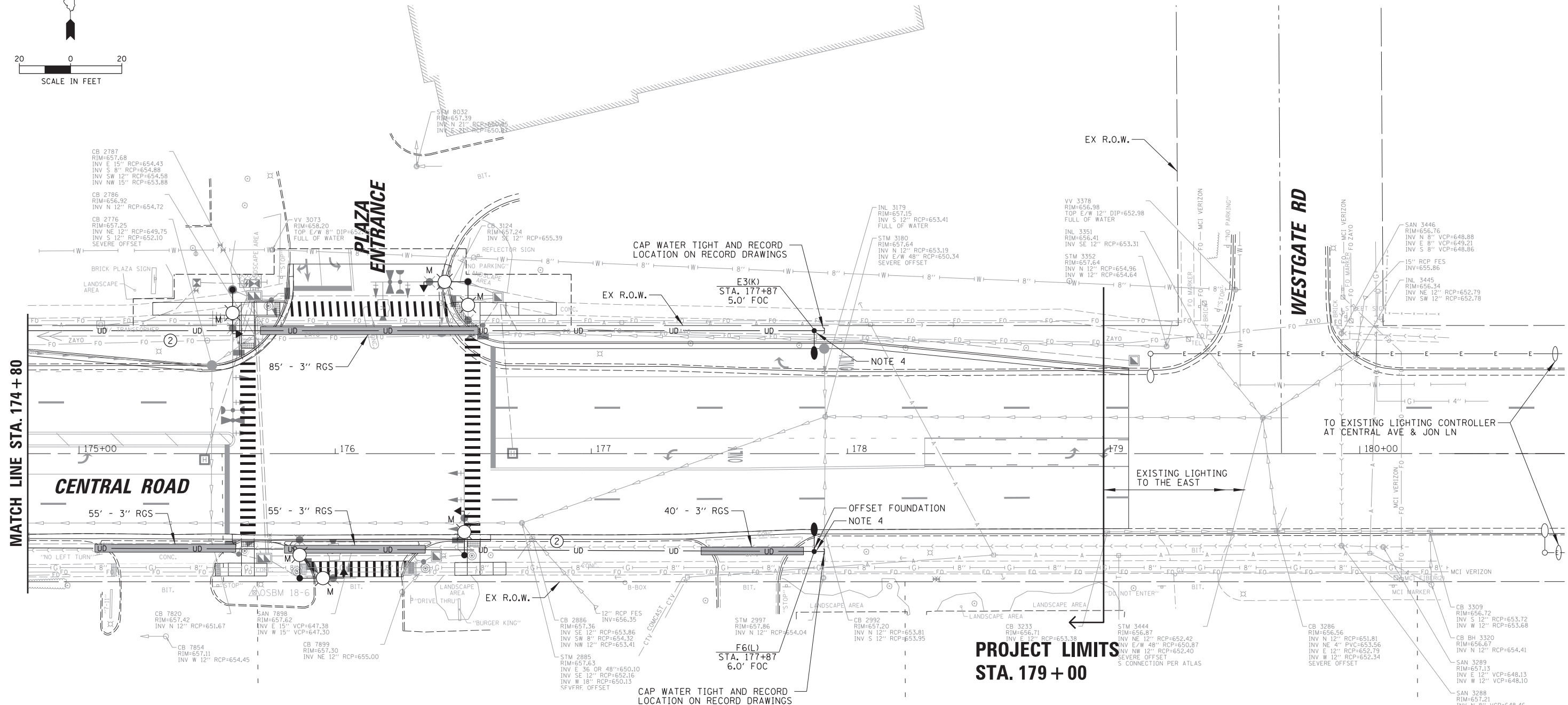
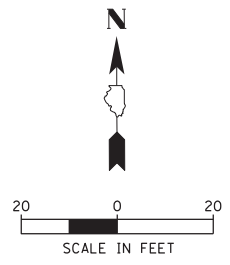
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	PLOT DATE = 5/4/2022	DATE 5/4/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS  
PROPOSED LIGHTING PLAN (9 OF 10)**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	199
CONTRACT NO. 61H44			ILLINOIS FED. AID PROJECT	

SCALE: 20'    SHEET 9 OF 10 SHEETS    STA.    TO STA.



MATCH LINE STA. 174 + 80

**PROJECT LIMITS**  
STA. 179 + 00

**LEGEND**

- EXISTING MOUNT PROSPECT LIGHT STANDARD TO REMAIN
- PROPOSED MOUNT PROSPECT LIGHT STANDARD, 40 FT LUMINAIRE MH, 8 FT ARM
- EXISTING IDOT COMBINATION LIGHT POLE WITH PROPOSED LUMINAIRE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 90 DEGREES APART
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 147 DEGREES APART
- M = OWNED AND MAINTAINED BY VILLAGE OF MOUNT PROSPECT
- I = OWNED AND MAINTAINED BY IDOT
- EXISTING ELECTRIC UTILITY SERVICE
- LIGHTING CIRCUIT IDENTIFIER
- LIGHT POLE NUMBER IDENTIFIER
- RECEPTACLE CIRCUIT IDENTIFIER
- STATION
- SET BACK FROM FACE OF CURB (FOC) TO CENTER OF POLE
- PROPOSED HDPE CONDUIT
- RIGID GALVANIZED STEEL SLEEVE
- EXISTING HDPE CONDUIT
- PROPOSED ELECTRIC SERVICE
- PROPOSED COMPOSITE CONCRETE HANDHOLE
- PROPOSED 120/240V 1Ø LIGHTING CONTROLLER

**CONDUCTOR /CONDUIT SCHEDULE**

- ① 6/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1 1/2" SCH40 HDPE CONDUIT
- ② 3/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1 1/2" SCH40 HDPE CONDUIT

NOTES:

1. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
2. NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED INTERSECTION PLANS AND TRAFFIC SIGNAL PLANS.
3. CONTRACTOR SHALL PROVIDE BANNER ARMS FOR POLE AND DELIVER TO THE VILLAGE, SEE DETAILS.
4. NO BANNER ARMS SHALL BE PROVIDED OR INSTALLED ON THIS POLE.

FILE NAME = N:\MOUNTPROSPECT\200015\Mech\LGT_200015_10.sht	USER NAME = rhowellindgren	DESIGNED AJD	REVISED -
Default	PLOT SCALE = 20'	DRAWN RJJ	REVISED -
	PLOT DATE = 5/4/2022	CHECKED AJD	REVISED -
		DATE 5/4/2022	REVISED -

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

**RAND RD.- CENTRAL RD.- MOUNT PROSPECT RD. IMPROVEMENTS**  
**PROPOSED LIGHTING PLAN (10 OF 10)**

SCALE: 20' SHEET 10 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	200
CONTRACT NO. 61H44				
ILLINOIS FED. AID PROJECT				