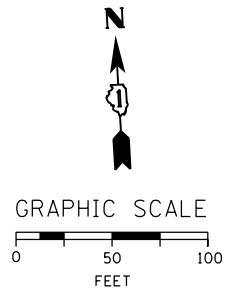
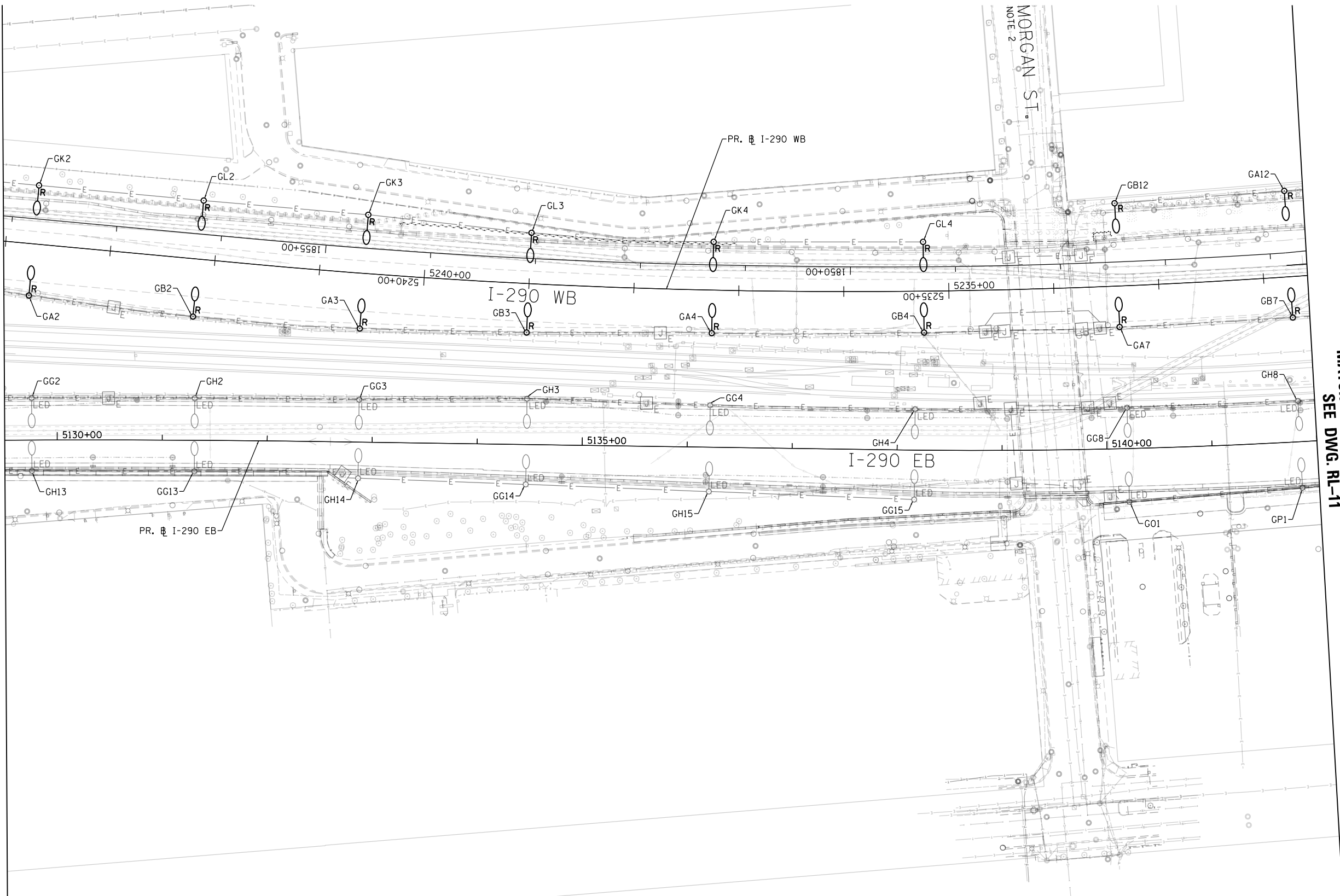


**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS.
2. SEE DRAWING RL-25 FOR THE MORGAN STREET UNDERPASS LIGHTING PLAN.

MATCH LINE STA. 5129 + 50  
SEE DWG. RL-09

MATCH LINE STA. 5142 + 00  
SEE DWG. RL-11



FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase\11\000\_CAD\01E\Electrical\Sheets\60Y00\_sht-Light-10



D160Y00-sht-Light-10	DESIGNED - WDS	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 1/24/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING MASTER LIGHTING PLAN**

SCALE: 1"=50' SHEET 10 OF 52 SHEETS STA. 5129+50 TO STA. 5142+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	101
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

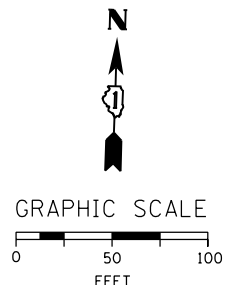
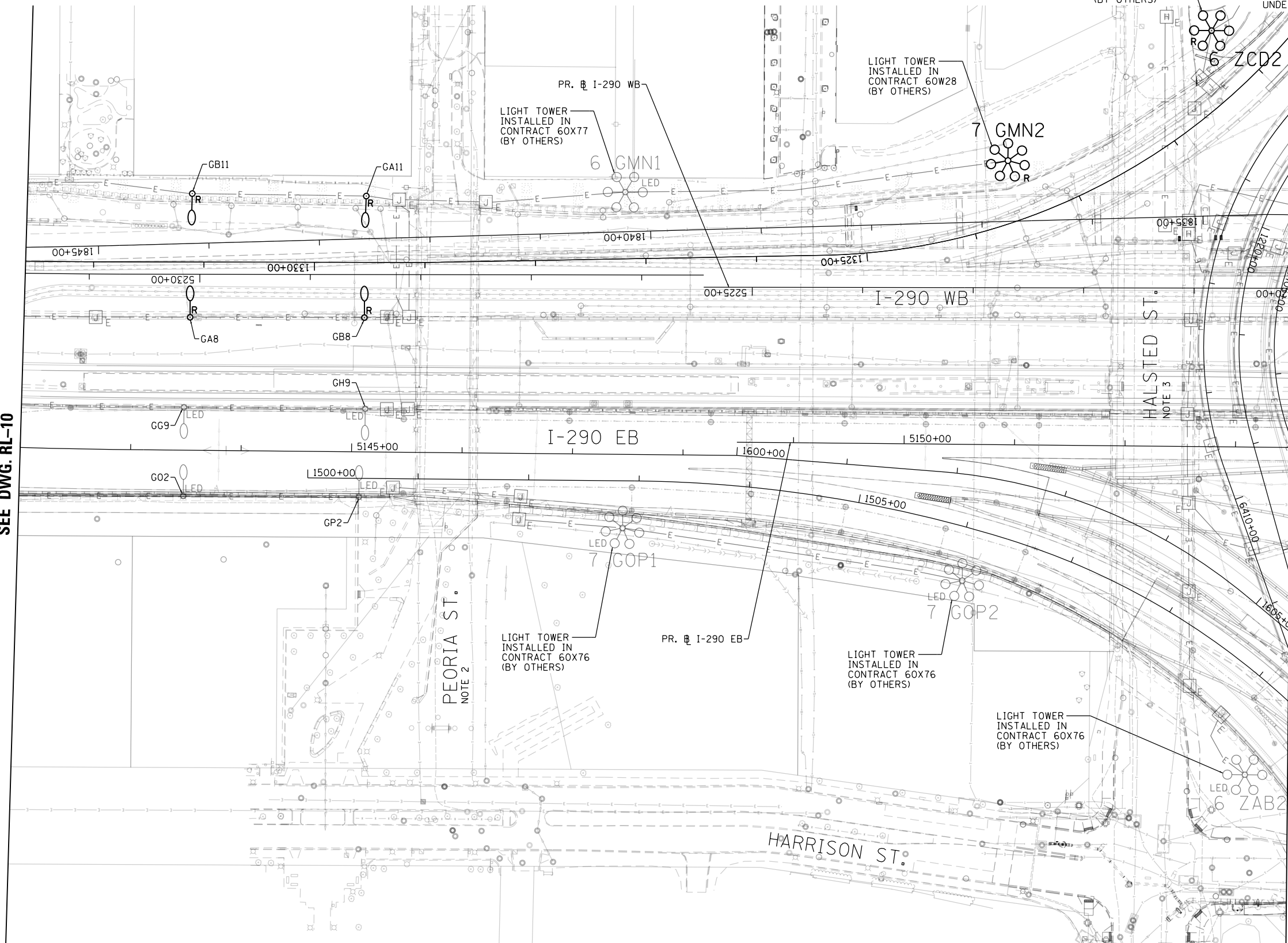
RL-10

**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS.
2. SEE DRAWING RL-26 FOR THE PEORIA STREET UNDERPASS LIGHTING PLAN.
3. SEE DRAWING RL-27 FOR THE HALSTED STREET UNDERPASS LIGHTING PLAN.

MATCH LINE STA. 5142+00  
SEE DWG. RL-10

MATCH LINE STA. 5153+50  
SEE DWG. RL-05



FILE PATH = p:\aecom\ms-ansi\ecom\line\local\AECOM\_DS02\_MN\Documents\01\_Americas\Transportation\60269938\_Circle\_Phase\_1\1000\_CAD\01E\Electrical\Sheets\60Y00\_Contract\160Y00\_sht-Light-11



D160Y00-sht-Light-11  
 USER NAME = myersc  
 PLOT SCALE = 100.0000' / 1"  
 PLOT DATE = 1/24/2020

DESIGNED - WDS	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING MASTER LIGHTING PLAN**

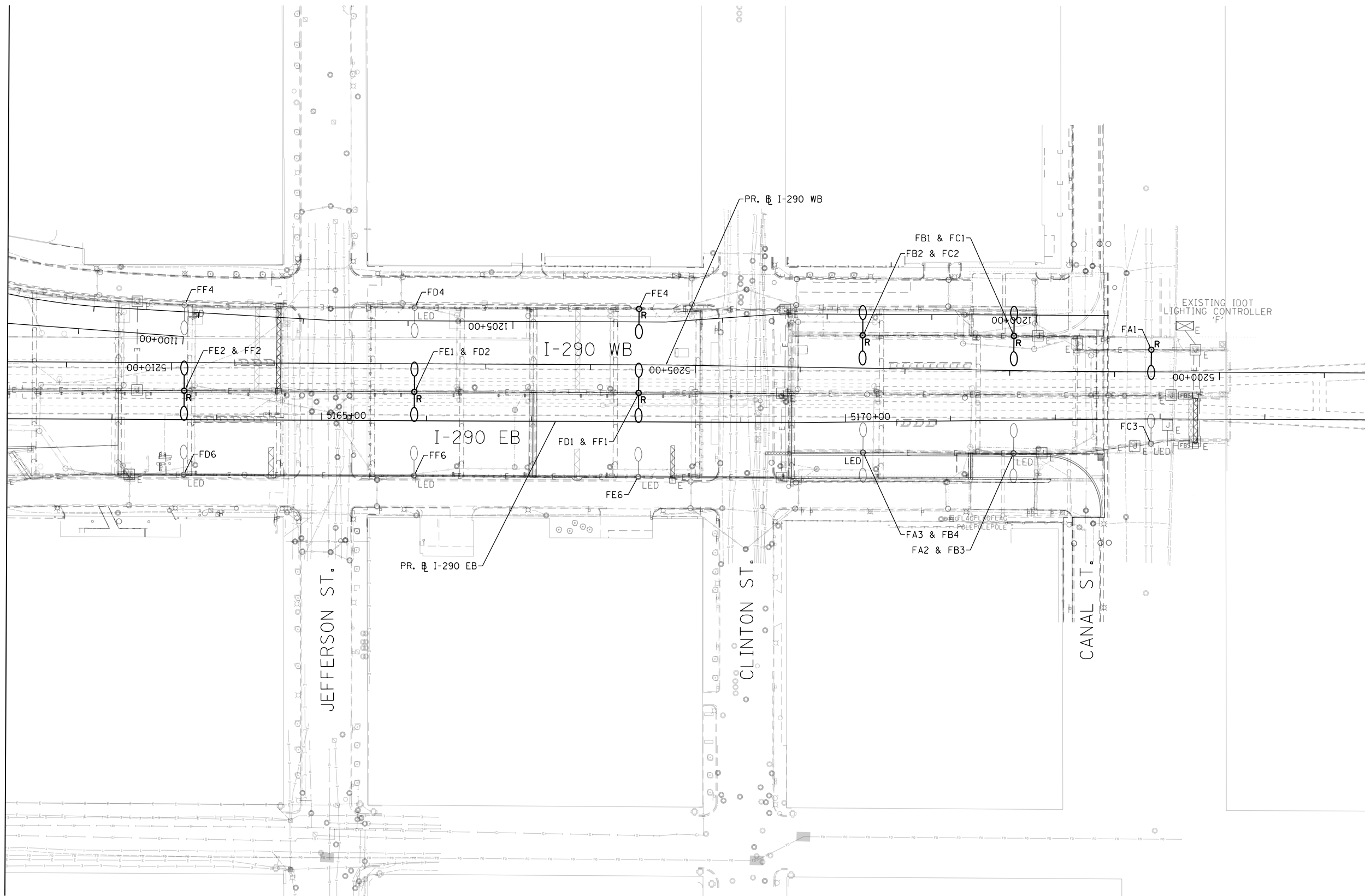
SCALE: 1"=50'    SHEET 11 OF 52 SHEETS    STA. 5142+00 TO STA. 5153+50

F.A.I. RTE. 90/94/290	SECTION 2014-009L	COUNTY COOK	TOTAL SHEETS 263	SHEET NO. 102
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

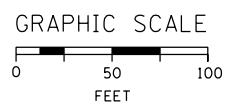
NOTES:

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS.

MATCH LINE STA. 5162 + 00  
SEE DWG. RL-05



STA. 5175 + 00



RL-12

FILE PATH = p:\aecom\ms-ansi\ecom\local\AECOM\_DS02\_IL\000\_CAD\01E\Electrical\Sheets\60Y00\_Contract\0160Y00-sht-Light-12



D160Y00-sht-Light-12	DESIGNED - WDS	REVISED -
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PLOT SCALE = 100.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 1/24/2020	DATE - 1/29/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

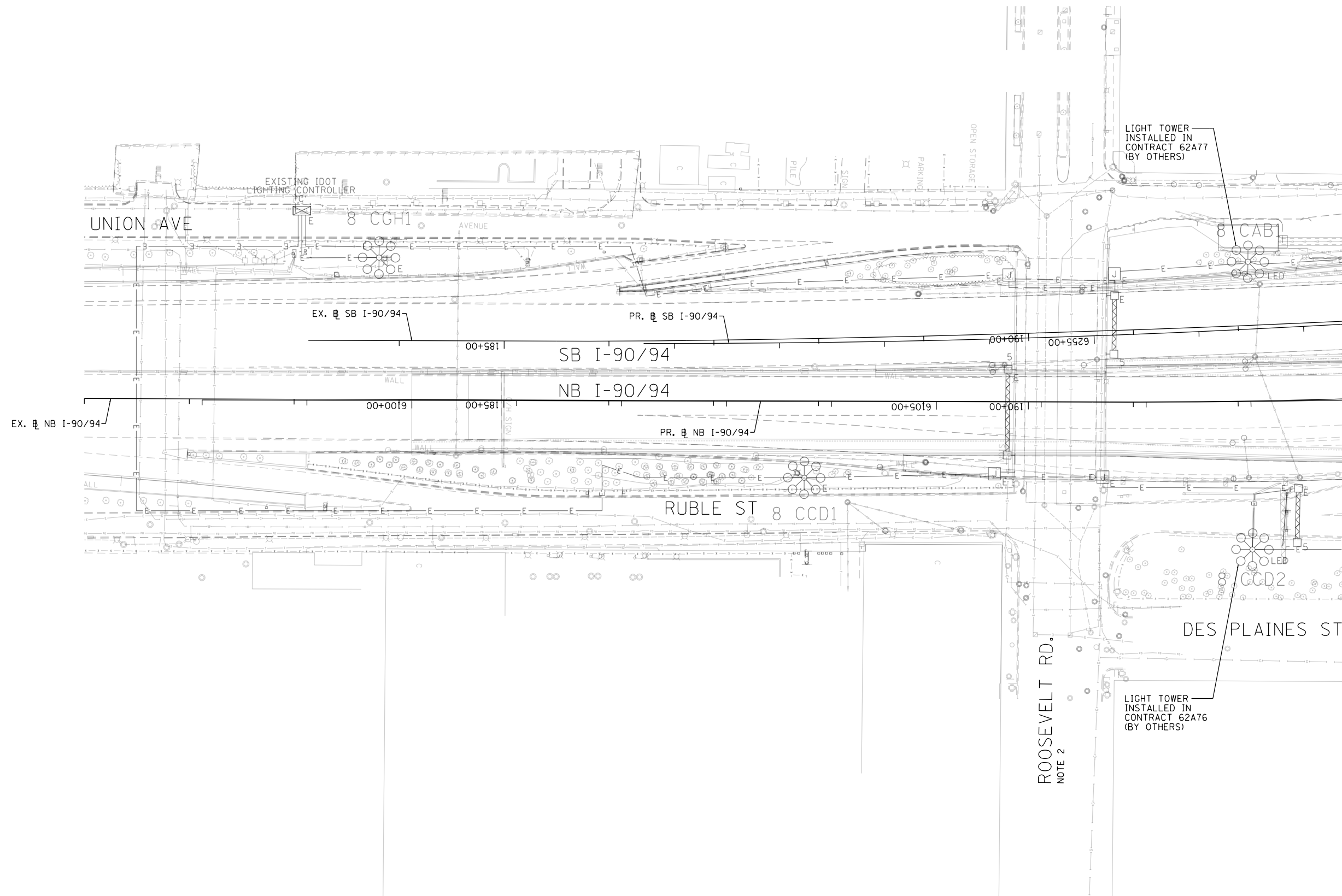
EXISTING MASTER LIGHTING PLAN

SCALE: 1"=50' SHEET 12 OF 52 SHEETS STA. 5162+00 TO STA. 5175+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	103
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

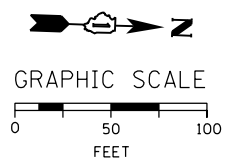
**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS.
2. SEE DRAWING RL-28 FOR THE ROOSEVELT ROAD UNDERPASS LIGHTING PLAN.



MATCH LINE STA. 6109 + 00  
SEE DWG. RL-14

ROOSEVELT RD.  
NOTE 2



NO WORK SHOWN ON THIS SHEET

RL-13

FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM\_DS02\_IL\000\_CAD\01E\Electrical\Sheets\60Y00\_Contract\0160Y00-sht-Light-13



D160Y00-sht-Light-13  
USER NAME = myersc  
PLOT SCALE = 100.0000' / in.  
PLOT DATE = 1/24/2020

DESIGNED - WDS  
DRAWN - CAM  
CHECKED - WDS  
DATE - 1/29/2020

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

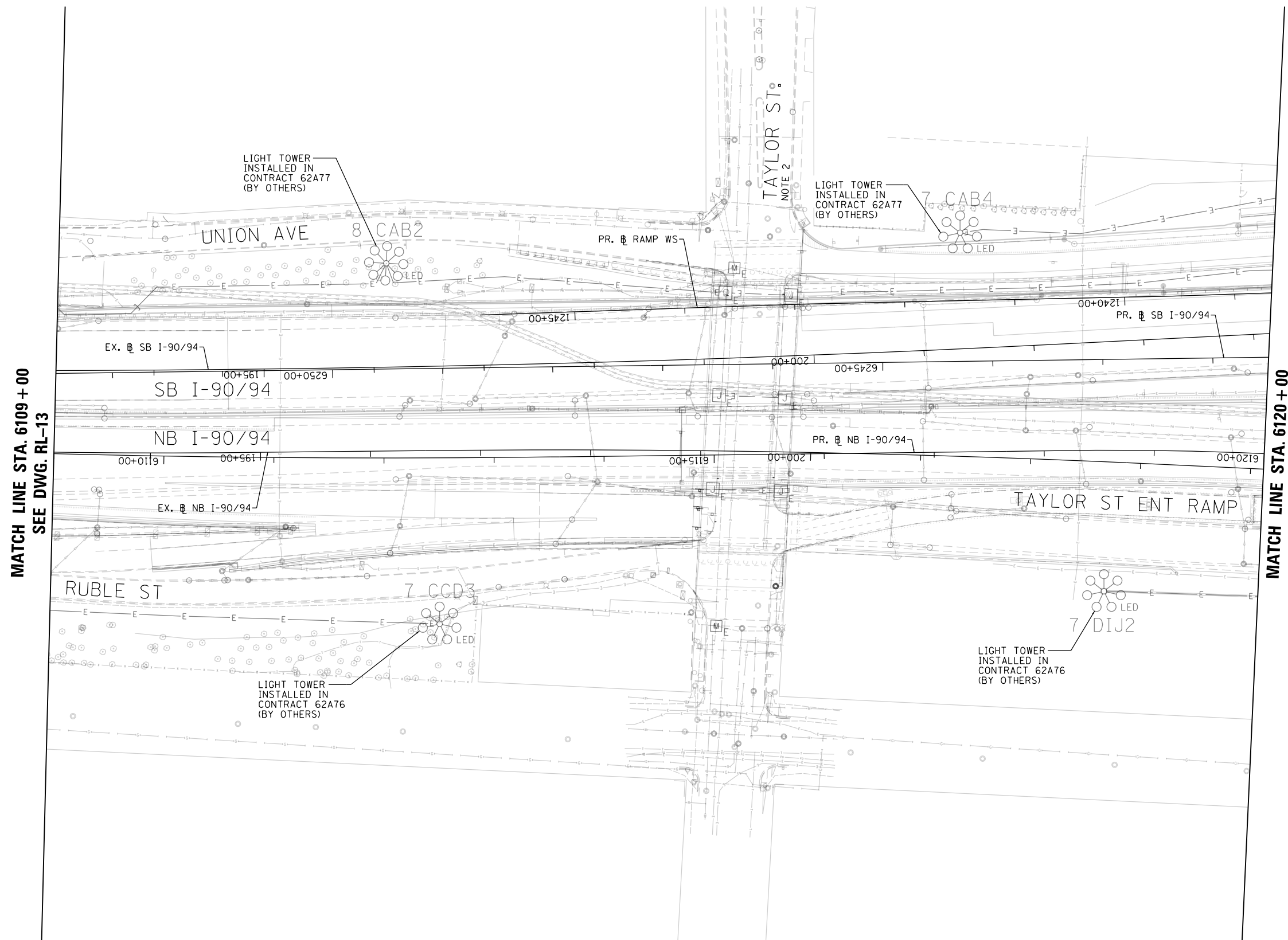
**PROPOSED MASTER LIGHTING PLAN**

SCALE: 1"=50' SHEET 13 OF 52 SHEETS STA. TO STA. 6109+00

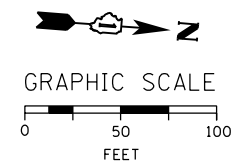
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	104
CONTRACT NO. 60Y00			ILLINOIS FED. AID PROJECT	

**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS.
2. SEE DRAWING RL-29 FOR THE TAYLOR STREET UNDERPASS LIGHTING PLAN.



NO WORK SHOWN ON THIS SHEET



RL-14

FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\_Phase\_1\1000\_CAD\01E\Electrical\Sheets\60Y00\_sht-Light-14



D160Y00-sht-Light-14  
 USER NAME = myersc  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/24/2020

DESIGNED - WDS	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

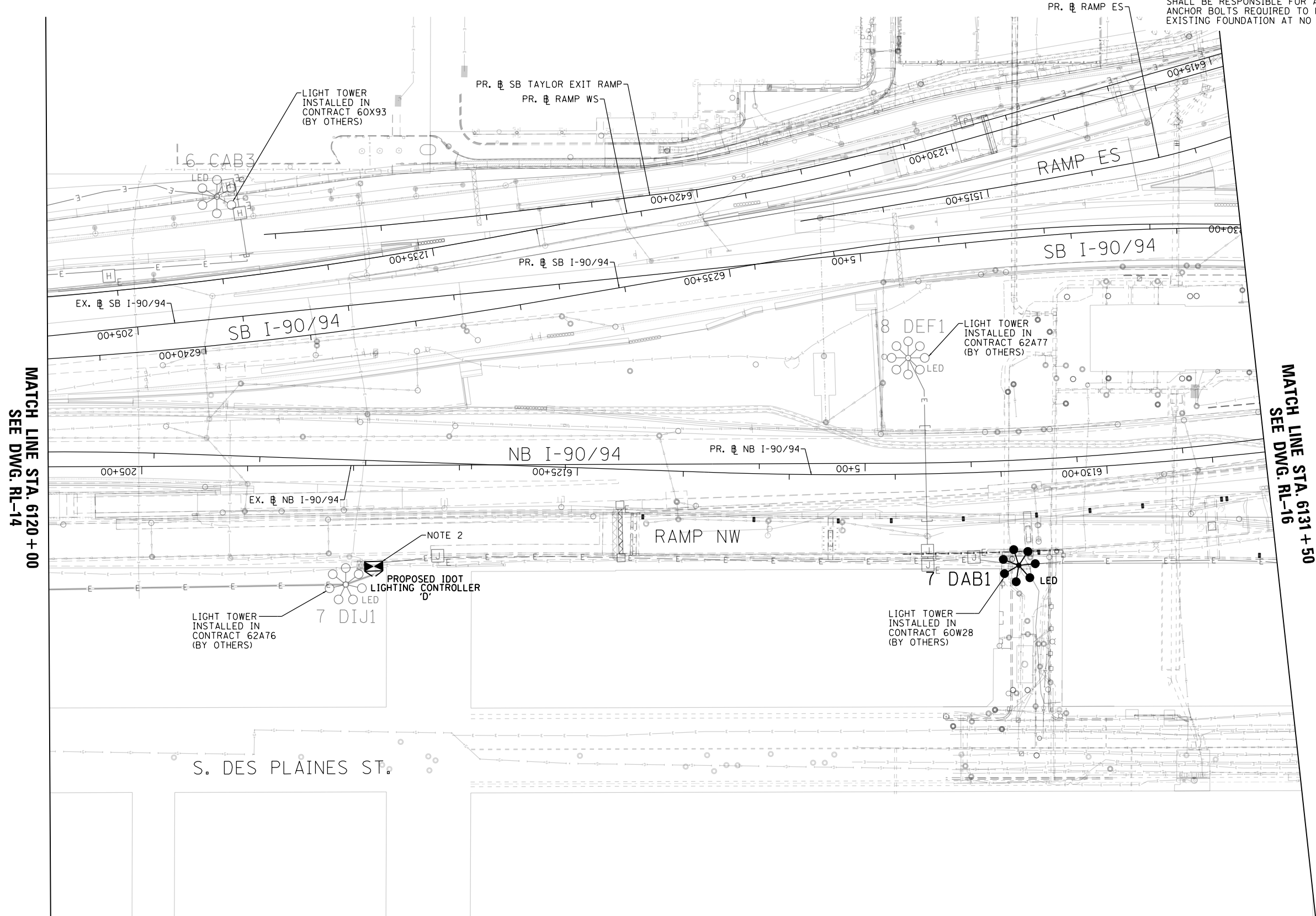
**PROPOSED MASTER LIGHTING PLAN**

SCALE: 1"=50' SHEET 14 OF 52 SHEETS STA. 6109+00 TO STA. 6120+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	105
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

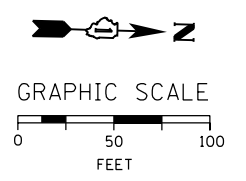
**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS.
2. THE PROPOSED LIGHTING CONTROLLER SHALL BE INSTALLED ON THE EXISTING CONCRETE CONTROLLER FOUNDATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS TO THE CONCRETE AND ANCHOR BOLTS REQUIRED TO MOUNT THE NEW CONTROLLER ON THE EXISTING FOUNDATION AT NO ADDITIONAL COST TO THE CONTRACT.



MATCH LINE STA. 6120 + 00  
SEE DWG. RL-14

MATCH LINE STA. 6131 + 50  
SEE DWG. RL-16



RL-15

FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM\_D502\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase\11000\_CAD\01E\Electrical\Sheets\60Y00\_Contract\160Y00-sht-Light-15



D160Y00-sht-Light-15	DESIGNED - WDS	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
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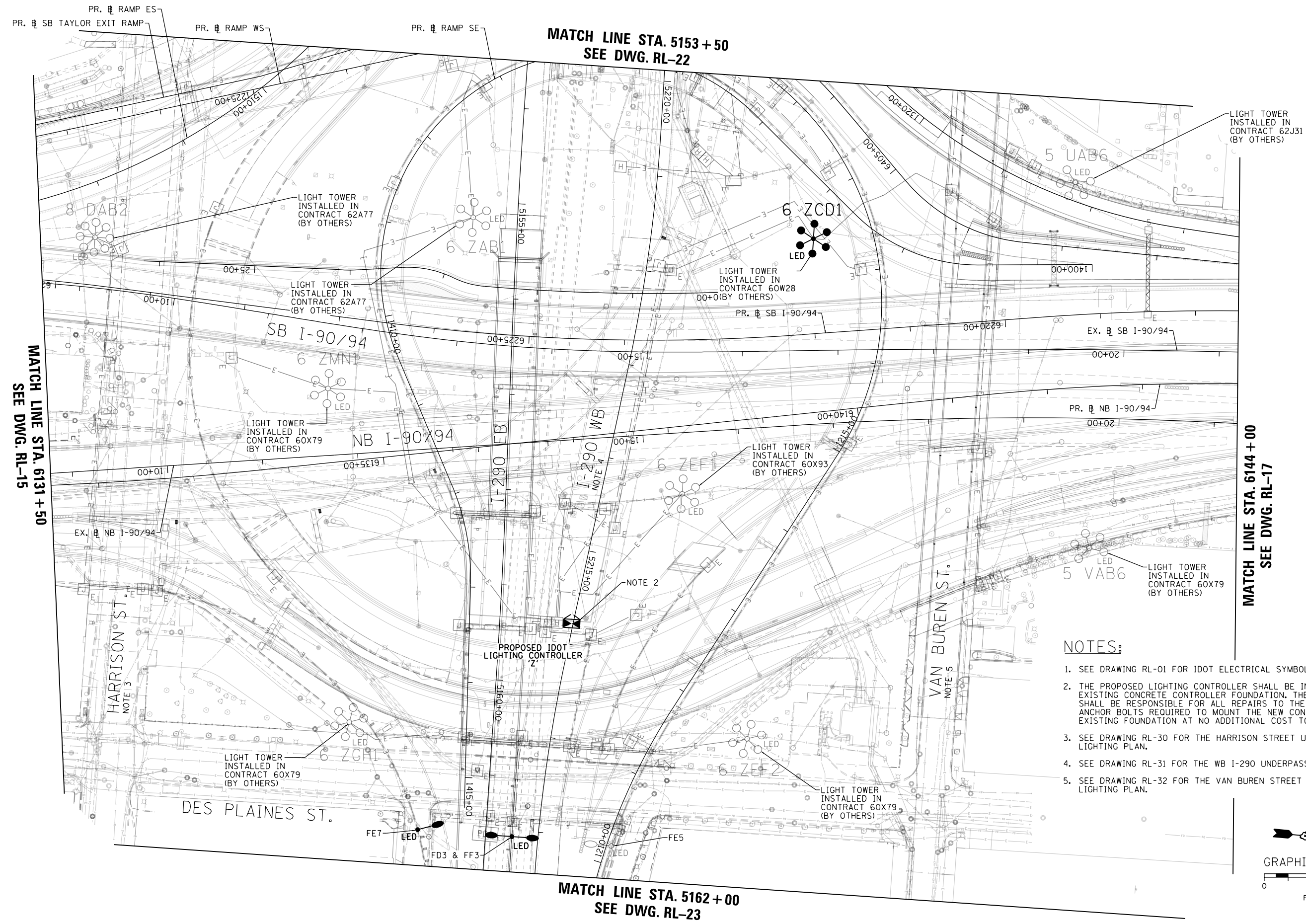
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED MASTER LIGHTING PLAN**

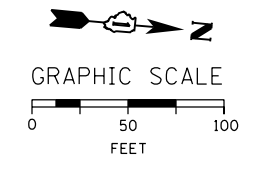
SCALE: 1"=50' SHEET 15 OF 52 SHEETS STA. 6120+00 TO STA. 6131+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	106
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

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- NOTES:**
1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS.
  2. THE PROPOSED LIGHTING CONTROLLER SHALL BE INSTALLED ON THE EXISTING CONCRETE CONTROLLER FOUNDATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS TO THE CONCRETE AND ANCHOR BOLTS REQUIRED TO MOUNT THE NEW CONTROLLER ON THE EXISTING FOUNDATION AT NO ADDITIONAL COST TO THE CONTRACT.
  3. SEE DRAWING RL-30 FOR THE HARRISON STREET UNDERPASS LIGHTING PLAN.
  4. SEE DRAWING RL-31 FOR THE WB I-290 UNDERPASS LIGHTING PLAN.
  5. SEE DRAWING RL-32 FOR THE VAN BUREN STREET UNDERPASS LIGHTING PLAN.



RL-16



D160Y00-shr-Light-16	DESIGNED - WDS	REVISED -
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PLOT SCALE = 100.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 1/24/2020	DATE - 1/29/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED MASTER LIGHTING PLAN

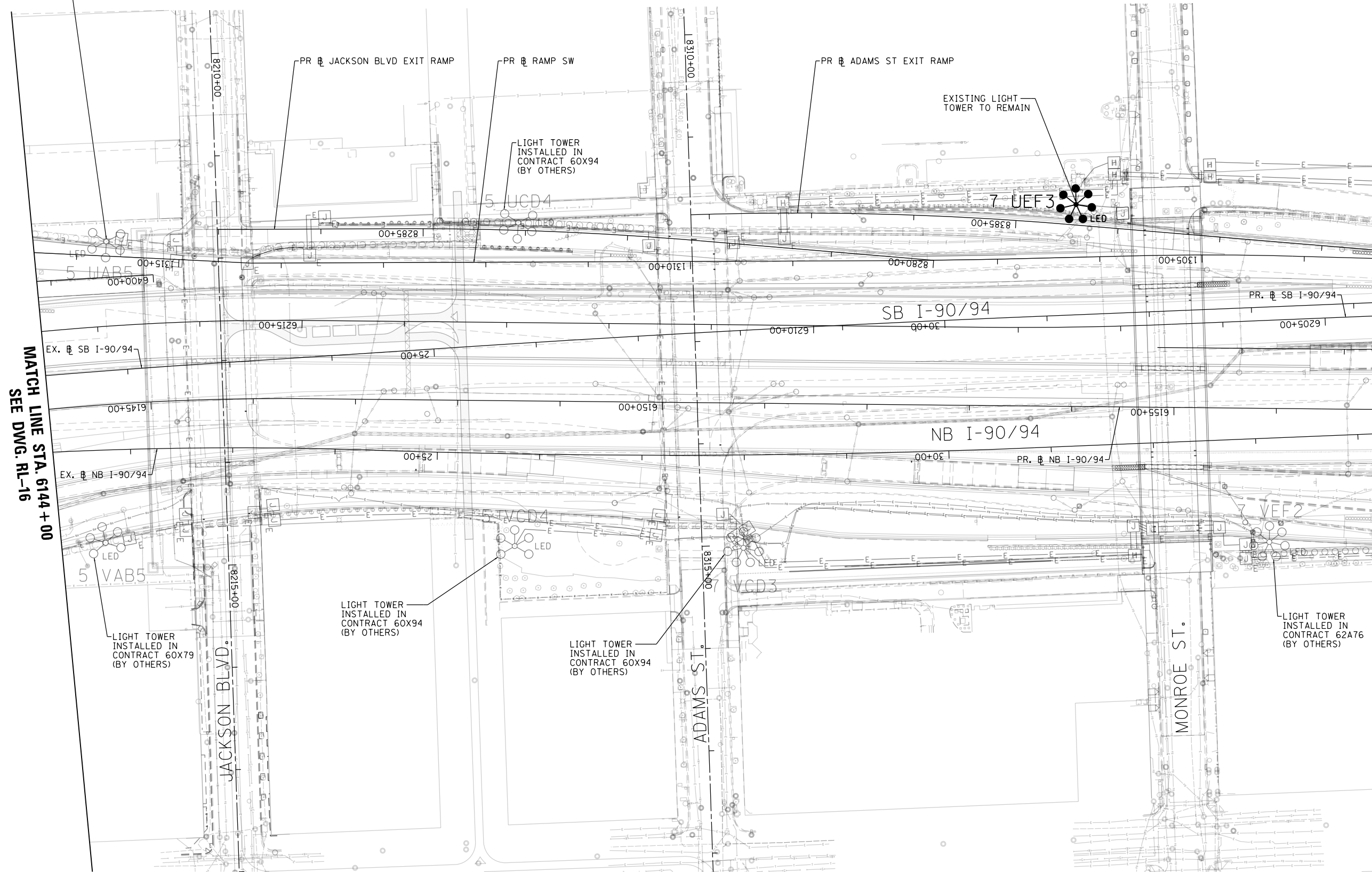
SCALE: 1"=50' SHEET 16 OF 52 SHEETS STA. 6131+50 TO STA. 6144+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	107
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

NOTES:

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS.

LIGHT TOWER  
INSTALLED IN  
CONTRACT 62J31  
(BY OTHERS)



MATCH LINE STA. 6144 + 00  
SEE DWG. RL-16

MATCH LINE STA. 6157 + 00  
SEE DWG. RL-18

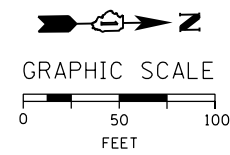
LIGHT TOWER  
INSTALLED IN  
CONTRACT 60X99  
(BY OTHERS)

LIGHT TOWER  
INSTALLED IN  
CONTRACT 60X94  
(BY OTHERS)

LIGHT TOWER  
INSTALLED IN  
CONTRACT 60X94  
(BY OTHERS)

EXISTING LIGHT  
TOWER TO REMAIN

LIGHT TOWER  
INSTALLED IN  
CONTRACT 62A76  
(BY OTHERS)



FILE PATH = p:\aecom\ms-ansi\electron\local\aedcom\0502\_01\000\_CAD\01E\Electrical\Sheets\60700\_Contract\0160700-shr-Light-17



D160700-shr-Light-17  
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PLOT SCALE = 100.0000' / in.  
PLOT DATE = 1/24/2020

DESIGNED - WDS	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 1/29/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED MASTER LIGHTING PLAN

SCALE: 1"=50' SHEET 17 OF 52 SHEETS STA. 6144+00 TO STA. 6157+00

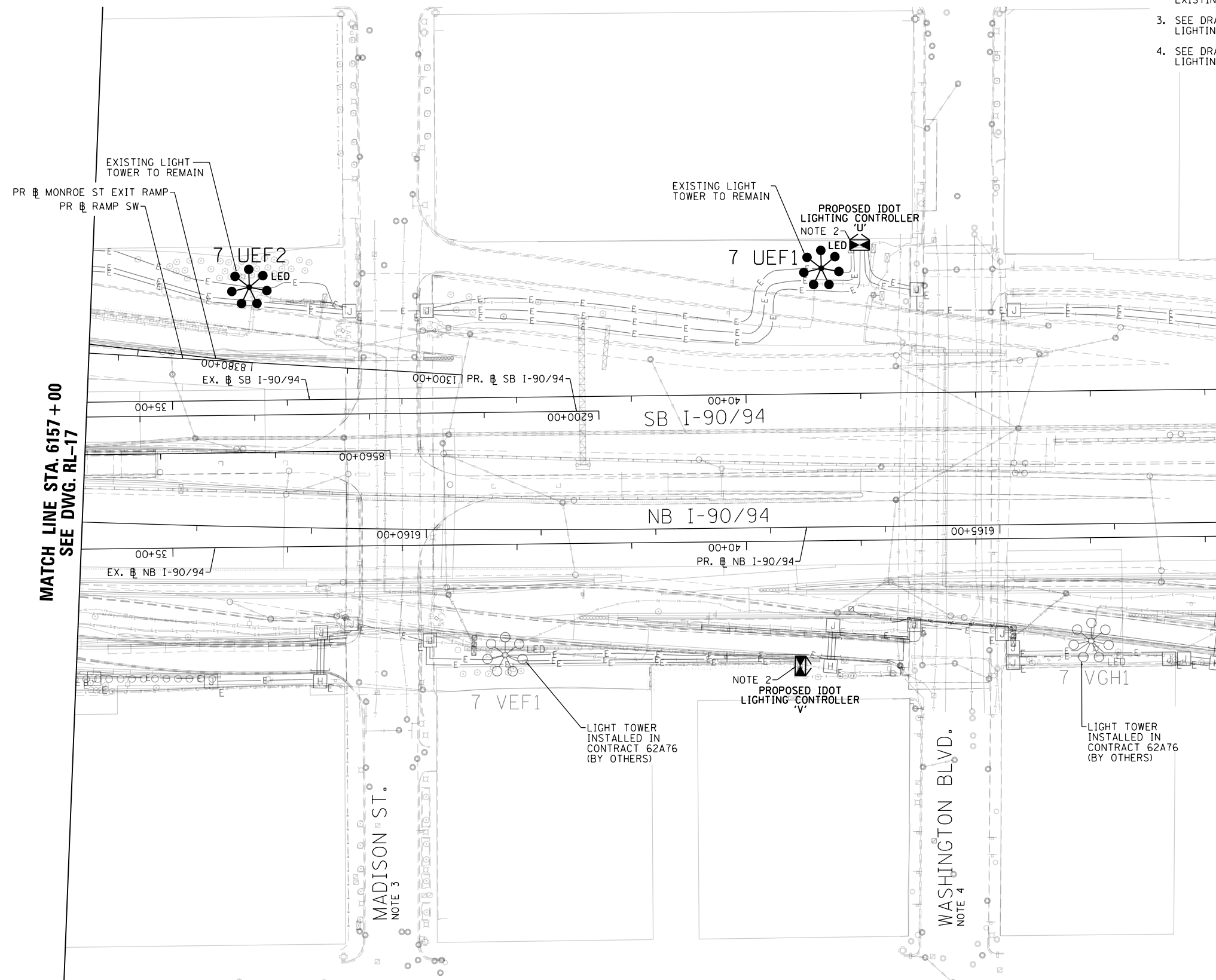
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	108
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

RL-17



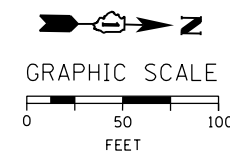
**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS.
2. THE PROPOSED LIGHTING CONTROLLER SHALL BE INSTALLED ON THE EXISTING CONCRETE CONTROLLER FOUNDATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS TO THE CONCRETE AND ANCHOR BOLTS REQUIRED TO MOUNT THE NEW CONTROLLER ON THE EXISTING FOUNDATION AT NO ADDITIONAL COST TO THE CONTRACT.
3. SEE DRAWING RL-33 FOR THE MADISON STREET UNDERPASS LIGHTING PLAN.
4. SEE DRAWING RL-34 FOR THE WASHINGTON BOULEVARD UNDERPASS LIGHTING PLAN.



MATCH LINE STA. 6157+00  
SEE DWG. RL-17

MATCH LINE STA. 6167+00  
SEE DWG. RL-19



FILE PATH = p:\AECOM\NA-AWS\ecommon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\_Phase\_1\1000\_CAD\01E\Electrical\Sheets\60Y00\_Contract\0160Y00-sht-Light-18



D160Y00-sht-Light-18	DESIGNED - WDS	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED MASTER LIGHTING PLAN**

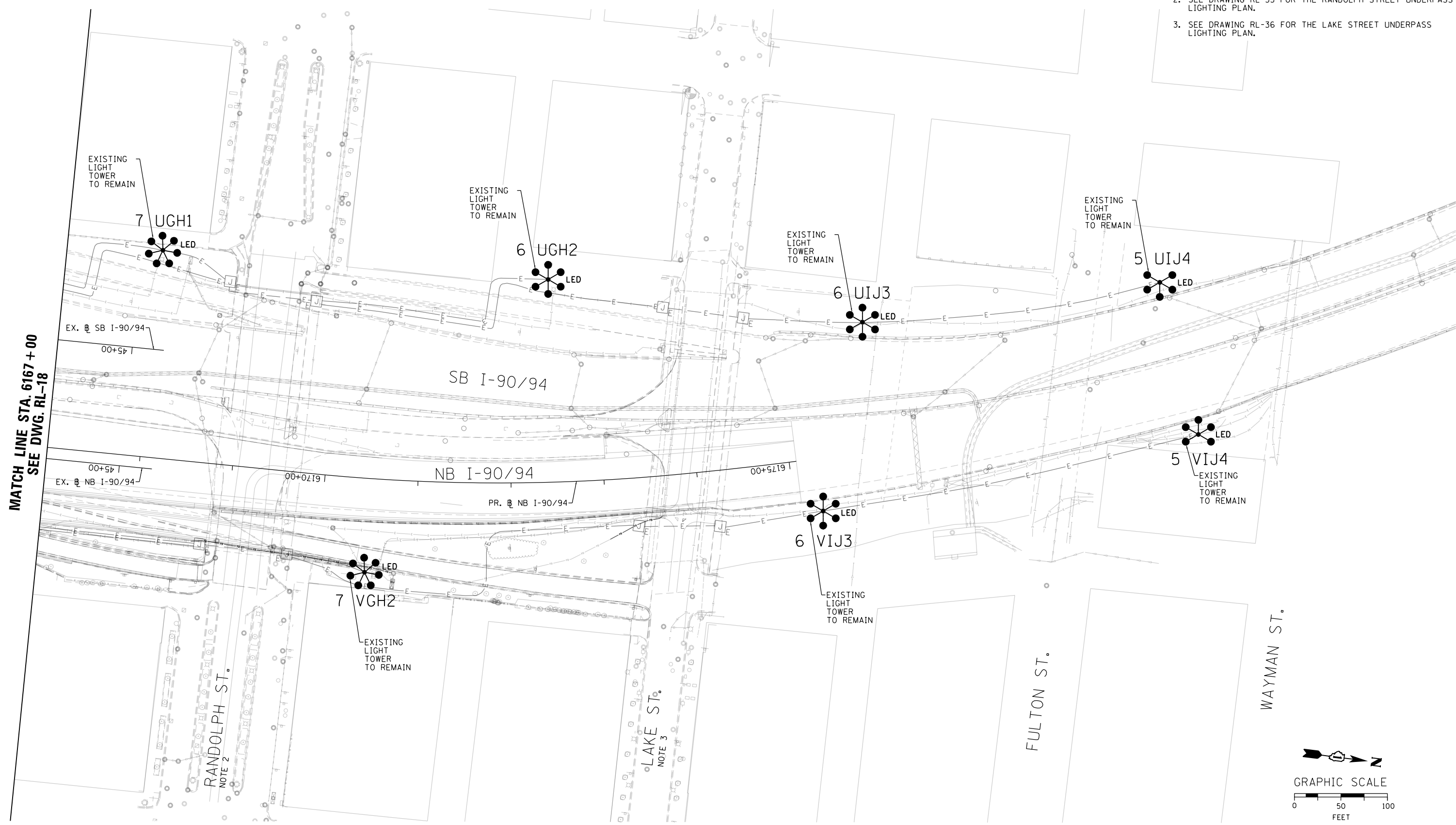
SCALE: 1"=50' SHEET 18 OF 52 SHEETS STA. 6157+00 TO STA. 6167+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	109
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

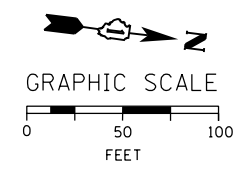
RL-18

**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS.
2. SEE DRAWING RL-35 FOR THE RANDOLPH STREET UNDERPASS LIGHTING PLAN.
3. SEE DRAWING RL-36 FOR THE LAKE STREET UNDERPASS LIGHTING PLAN.



MATCH LINE STA. 6167 +00  
SEE DWG. RL-18



RL-19

FILE PATH = p:\aecom\ms-ansi\ecomon\line\local\AECOM\_DS02\_IL\000\_CAD\01E\_Electrical\Sheets\60Y00\_Contract\0160Y00-sht-Light-19



D160Y00-sht-Light-19  
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PLOT DATE = 1/24/2020

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DATE - 1/29/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

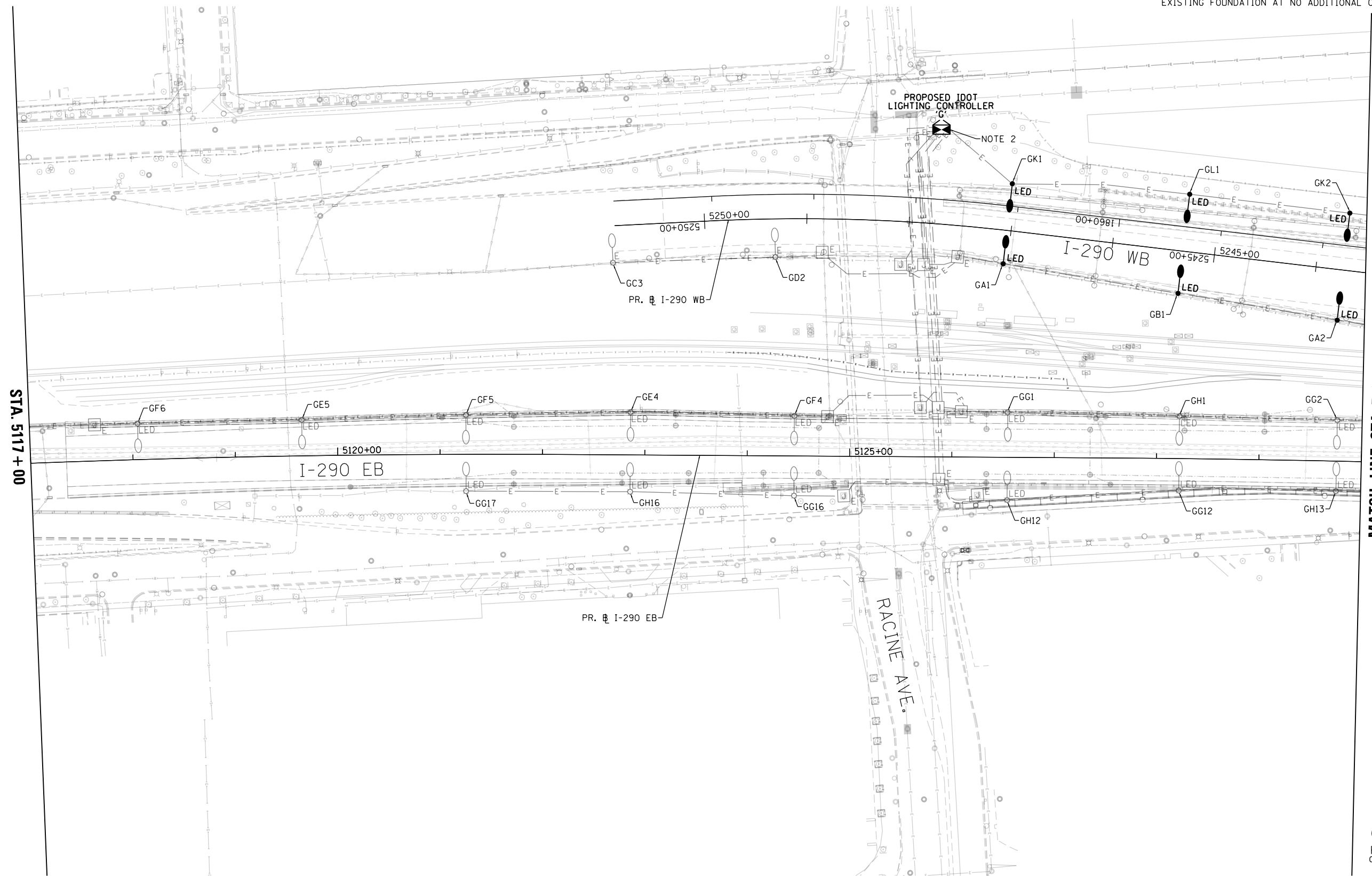
PROPOSED MASTER LIGHTING PLAN

SCALE: 1"=50' SHEET 19 OF 52 SHEETS STA. 6167+00 TO STA.

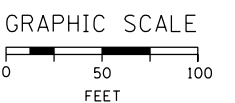
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	110
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS.
2. THE PROPOSED LIGHTING CONTROLLER SHALL BE INSTALLED ON THE EXISTING CONCRETE CONTROLLER FOUNDATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS TO THE CONCRETE AND ANCHOR BOLTS REQUIRED TO MOUNT THE NEW CONTROLLER ON THE EXISTING FOUNDATION AT NO ADDITIONAL COST TO THE CONTRACT.



MATCH LINE STA. 5130 + 00  
SEE DWG. RL-21



RL-20

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D160Y00-sht-Light-20  
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PLOT SCALE = 100.0000' / in.  
PLOT DATE = 1/24/2020

DESIGNED - WDS	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

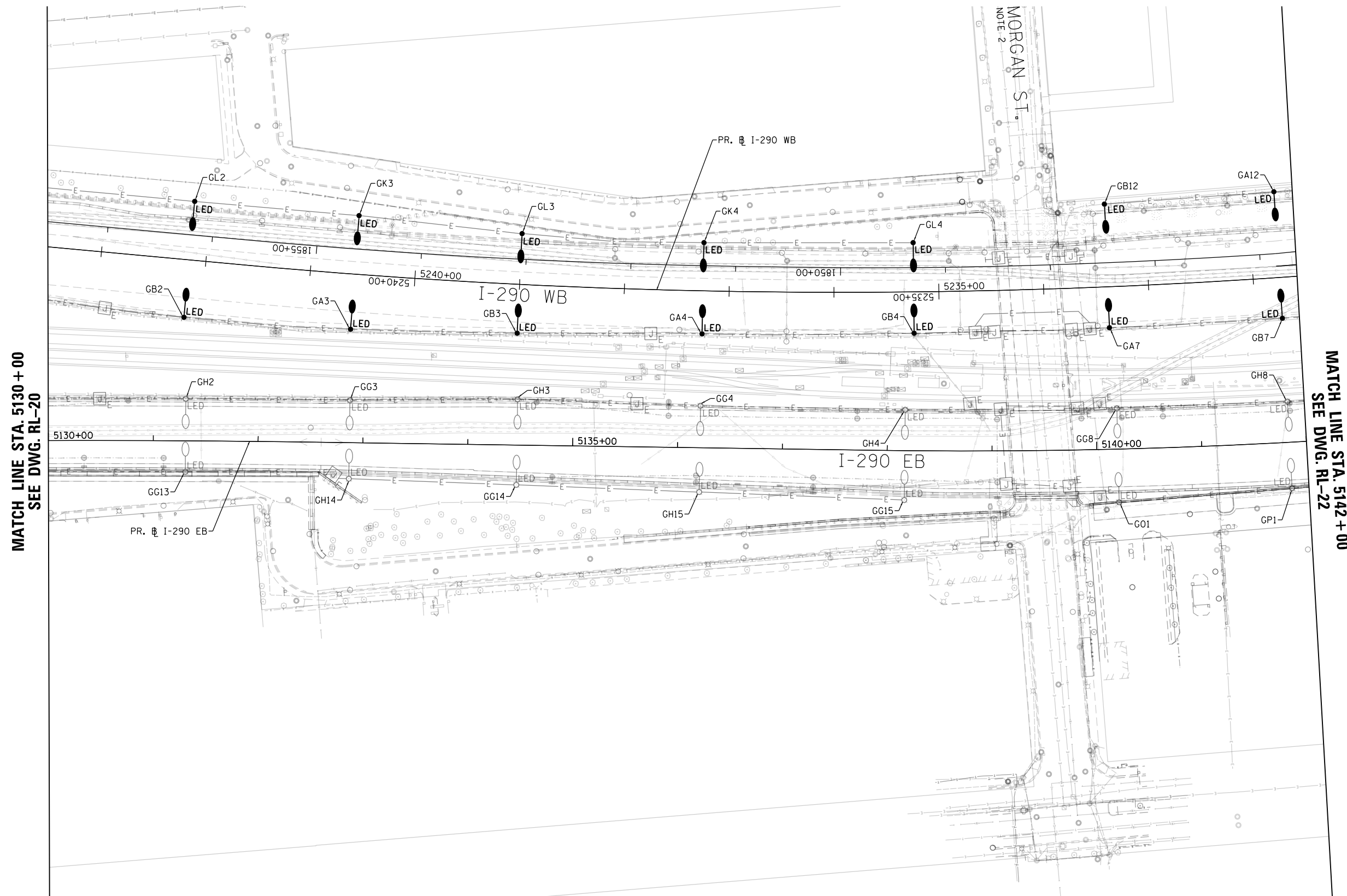
**PROPOSED MASTER LIGHTING PLAN**

SCALE: 1"=50' SHEET 20 OF 52 SHEETS STA. 5117+00 TO STA. 5130+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	111
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

NOTES:

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS.
2. SEE DRAWING RL-25 FOR THE MORGAN STREET UNDERPASS LIGHTING PLAN.



FILE PATH = p:\aecom\ms-ansi\ecommon\line\local\AECOM\_DSS22\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase\11000\_CAD\01E\Electrical\Sheets\60Y00\_Contract\160Y00\_sht-Light-21



D160Y00-sht-Light-21  
 USER NAME = myersc  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/24/2020

DESIGNED - WDS	REVISED -
DRAWN - CAM	REVISED -
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DATE - 1/29/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED MASTER LIGHTING PLAN

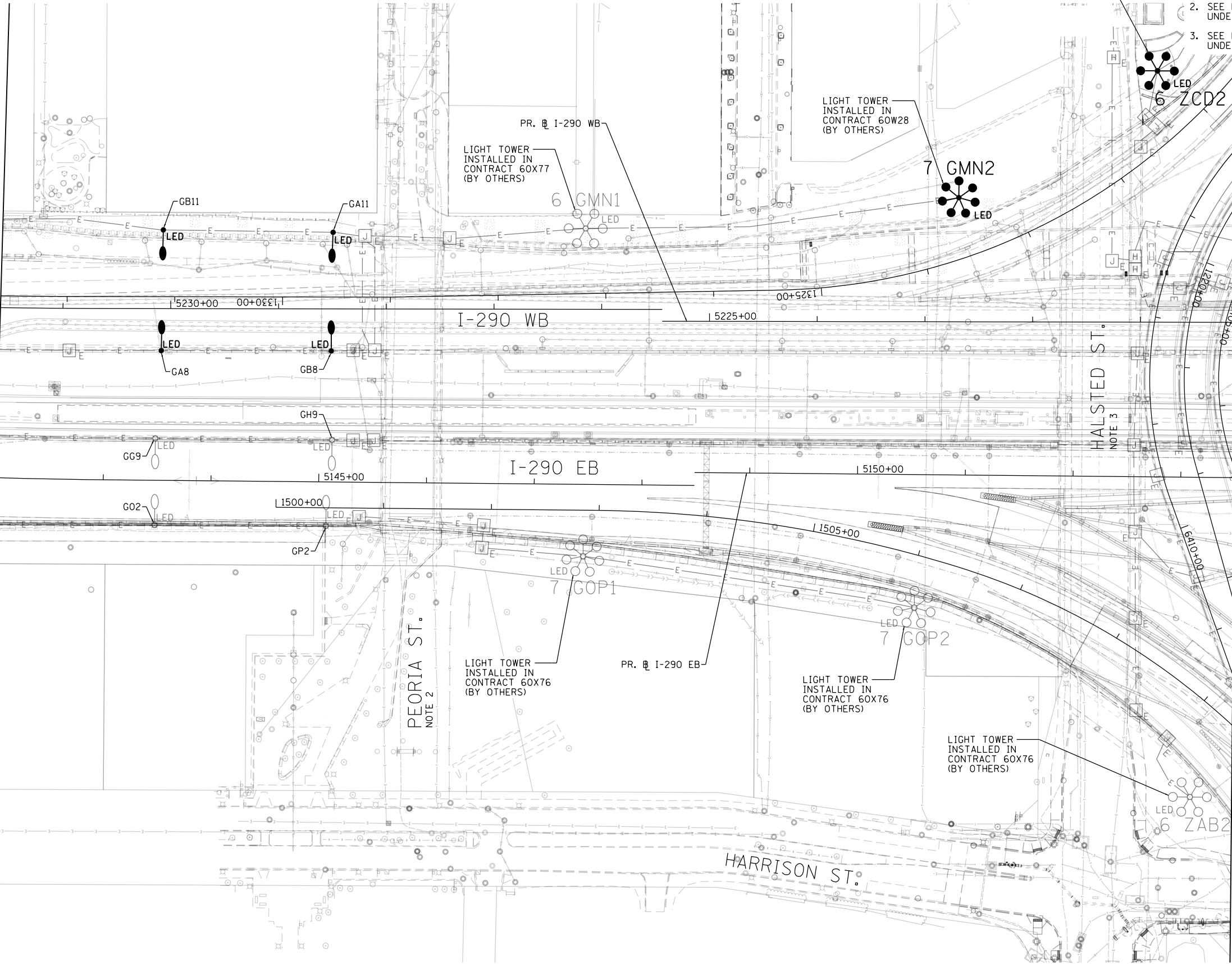
SCALE: 1"=50'    SHEET 21 OF 52 SHEETS    STA. 5130+00 TO STA. 5142+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	112
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

RL-21

FILE PATH = p:\aecom\m\l\local\AECOM\_DS02\_IL\000\_CAD\01E\Electrical\Sheets\60Y00\_Contract\160Y00-sht-Light-22

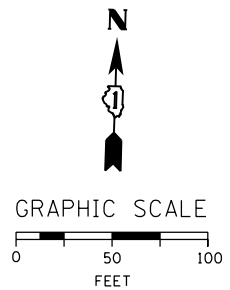
MATCH LINE STA. 5142+00  
SEE DWG. RL-21



**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS.
2. SEE DRAWING RL-26 FOR THE PEORIA STREET UNDERPASS LIGHTING PLAN.
3. SEE DRAWING RL-27 FOR THE HALSTED STREET UNDERPASS LIGHTING PLAN.

MATCH LINE STA. 5153+50  
SEE DWG. RL-16



RL-22



D160Y00-sht-Light-22	DESIGNED - WDS	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
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PLOT DATE = 1/24/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED MASTER LIGHTING PLAN**

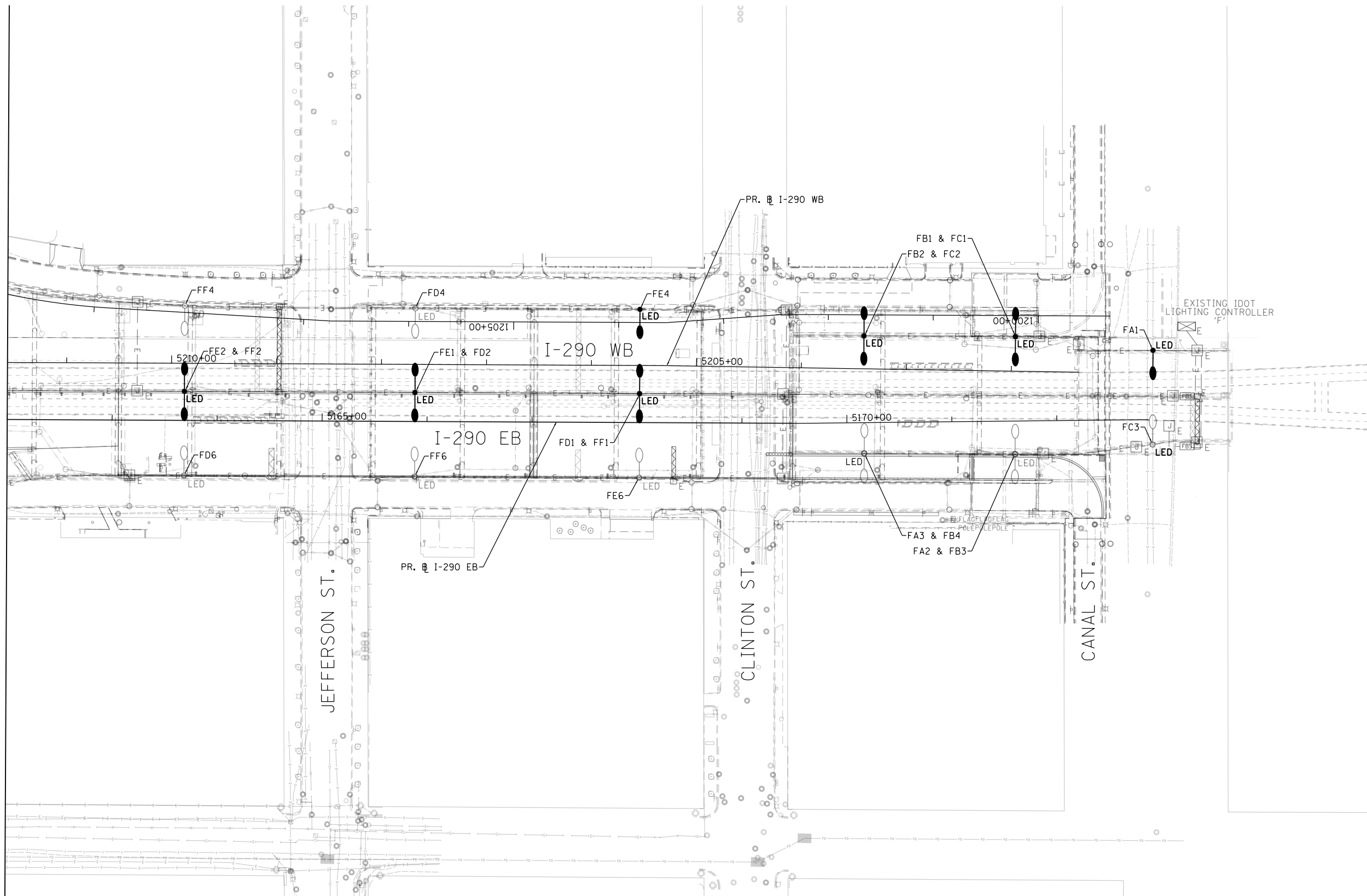
SCALE: 1"=50' SHEET 22 OF 52 SHEETS STA. 5142+00 TO STA. 5153+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	113
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

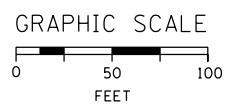
**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS.

MATCH LINE STA. 5162 + 00  
SEE DWG. RL-16



STA. 5175 + 00



RL-23

FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM\_D502\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase\11000\_CAD\01E\Electrical\Sheets\60Y00\_Contract\0160Y00-shr-Light-23



D160Y00-shr-Light-23	DESIGNED - WDS	REVISED -
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PLOT DATE = 1/24/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED MASTER LIGHTING PLAN**

SCALE: 1"=50' SHEET 23 OF 52 SHEETS STA. 5162+00 TO STA. 5175+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	114
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

**CONTRACT 60Y00 - HIGH MAST LIGHT TOWER SCHEDULE**

LIGHT TOWER DESIGNATION	LIGHT TOWER FOUNDATION LOCATION			TOWER HEIGHT	TOWER MOUNTING GROUND/WALL	EXISTING LUMINAIRE TYPE	NEW LED LUMINAIRE QUANTITY	CONTRACT TOWER INSTALLED	COMMENTS
	STATION	OFFSET	BASELINE						
8 CAB1	6253+50.00	64.25 RT	SB I-90/94	130	GROUND	LED	0	62A77	NO WORK IN THIS CONTRACT
8 CAB2	6249+50.00	96.17 RT	SB I-90/94	130	GROUND	LED	0	62A77	NO WORK IN THIS CONTRACT
8 CCD2	6108+00.00	141.07 RT	NB I-90/94	130	GROUND	LED	0	62A76	NO WORK IN THIS CONTRACT
7 CCD3	6112+50.38	151.00 RT	NB I-90/94	130	GROUND	LED	0	62A76	NO WORK IN THIS CONTRACT
7 DIJ1	6122+85.16	117.74 RT	NB I-90/94	130	GROUND	LED	0	62A76	NO WORK IN THIS CONTRACT
7 DAB1	6229+15.63	89.82 RT	SB I-90/94	130	GROUND	400W HPS	7	60W28	
7 DIJ2	6118+53.76	127.97 RT	NB I-90/94	130	GROUND	LED	0	62A76	NO WORK IN THIS CONTRACT
8 DEF1	6233+43.19	109.72 LT	SB I-90/94	150	GROUND	LED	0	62A77	NO WORK IN THIS CONTRACT
8 DAB2	6229+64.66	50.18 RT	SB I-90/94	150	GROUND	LED	0	62A77	NO WORK IN THIS CONTRACT
6 CAB3	6239+84.44	141.06 RT	SB I-90/94	130	WALL	LED	0	60X93	NO WORK IN THIS CONTRACT
7 CAB4	6244+28.13	116.73 RT	SB I-90/94	130	GROUND	LED	0	62A77	NO WORK IN THIS CONTRACT
6 ZAB1	6225+70.76	119.96 RT	SB I-90/94	150	GROUND	LED	0	62A77	NO WORK IN THIS CONTRACT
6 ZAB2	1509+53.00	75.38 RT	RAMP ES	150	GROUND	LED	0	60X76	NO WORK IN THIS CONTRACT
6 ZCD1	1832+82.91	95.20 RT	RAMP NW	150	GROUND	400W HPS	6	60W28	
6 ZCD2	8146+76.30	95.41 RT	VAN BUREN	130	GROUND	400W HPS	6	60X99	
6 ZEF1	1105+64.70	65.90 LT	RAMP WN	150	GROUND	LED	0	60X93	NO WORK IN THIS CONTRACT
6 ZEF2	1211+94.90	83.00 RT	RAMP WS	150	GROUND	LED	0	60X79	NO WORK IN THIS CONTRACT
6 ZGH1	1612+80.90	99.00 RT	RAMP EN	150	GROUND	LED	0	60X79	NO WORK IN THIS CONTRACT
6 ZMN1	1609+69.80	119.00 LT	RAMP EN	150	GROUND	LED	0	60X79	NO WORK IN THIS CONTRACT
5 UAB5	6216+96.84	88.04 RT	SB I-90/94	130	WALL	LED	0	62J31	NO WORK IN THIS CONTRACT
5 UAB6	6218+86.15	114.00 RT	SB I-90/94	130	WALL	LED	0	62J31	NO WORK IN THIS CONTRACT
5 VAB5	6144+52.79	135.19 RT	NB I-90/94	130	WALL	LED	0	60X79	NO WORK IN THIS CONTRACT
5 VAB6	6142+45.00	170.14 RT	NB I-90/94	130	WALL	LED	0	60X79	NO WORK IN THIS CONTRACT
5 UCD4	6213+33.27	98.36 RT	SB I-90/94	130	WALL	LED	0	60X94	NO WORK IN THIS CONTRACT
7 VCD3	6150+80.56	141.39 RT	NB I-90/94	130	GROUND	LED	0	60X94	NO WORK IN THIS CONTRACT
5 VCD4	6148+57.12	141.94 RT	NB I-90/94	130	GROUND	LED	0	60X94	NO WORK IN THIS CONTRACT
5 UEF1	6163+46.88	226.39 LT	NB I-90/94	110	GROUND	400W HPS	7	EXISTING	
5 UEF2	6203+06.25	112.50 RT	SB I-90/94	110	GROUND	400W HPS	7	EXISTING	
5 UEF3	6207+41.32	120.00 RT	SB I-90/94	110	GROUND	400W HPS	7	EXISTING	
7 VEF1	6160+68.78	109.34 RT	NB I-90/94	130	GROUND	LED	0	62A76	NO WORK IN THIS CONTRACT
7 VEF2	6155+94.52	130.50 RT	NB I-90/94	130	GROUND	LED	0	62A76	NO WORK IN THIS CONTRACT
5 UGH1	6168+02.34	224.48 LT	NB I-90/94	110	GROUND	400W HPS	7	EXISTING	
5 UGH2	6172+63.47	218.06 LT	NB I-90/94	110	GROUND	400W HPS	6	EXISTING	
7 VGH1	6165+78.39	102.00 RT	NB I-90/94	130	GROUND	LED	0	62A76	NO WORK IN THIS CONTRACT
5 VGH2	6170+41.00	102.00 RT	NB I-90/94	110	GROUND	400W HPS	7	EXISTING	
5 UIJ3				110	GROUND	400W HPS	6	EXISTING	
4 UIJ4				110	GROUND	400W HPS	5	EXISTING	
5 VIJ3				110	GROUND	400W HPS	6	EXISTING	
4 VIJ4				110	GROUND	400W HPS	5	EXISTING	
6 GMN1	5226+15.00	75 RT	I-290 WB	130	GROUND	LED	0	60X77	NO WORK IN THIS CONTRACT
7 GMN2	1836+75.00	55.00 RT	RAMP NW	130	GROUND	400W HPS	7	60W28	
7 GOP1	1502+85.44	42.66 RT	RAMP ES	130	GROUND	LED	0	60X76	NO WORK IN THIS CONTRACT
7 GOP2	1506+33.16	46.68 RT	RAMP ES	150	GROUND	LED	0	60X76	NO WORK IN THIS CONTRACT

FILE PATH = p:\AECOM\NA-AWS\electrical\local\AECOM\_0502\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\1\000\_CAD\01E\Electrical\Sheets\60Y00\_Contract\0160Y00-sht-Light-24



D160Y00-sht-Light-24  
 USER NAME = myersc  
 PLOT SCALE = 2.0000' / in.  
 PLOT DATE = 1/24/2020

DESIGNED - TJL  
 DRAWN - CAM  
 CHECKED - WDS  
 DATE - 1/29/2020

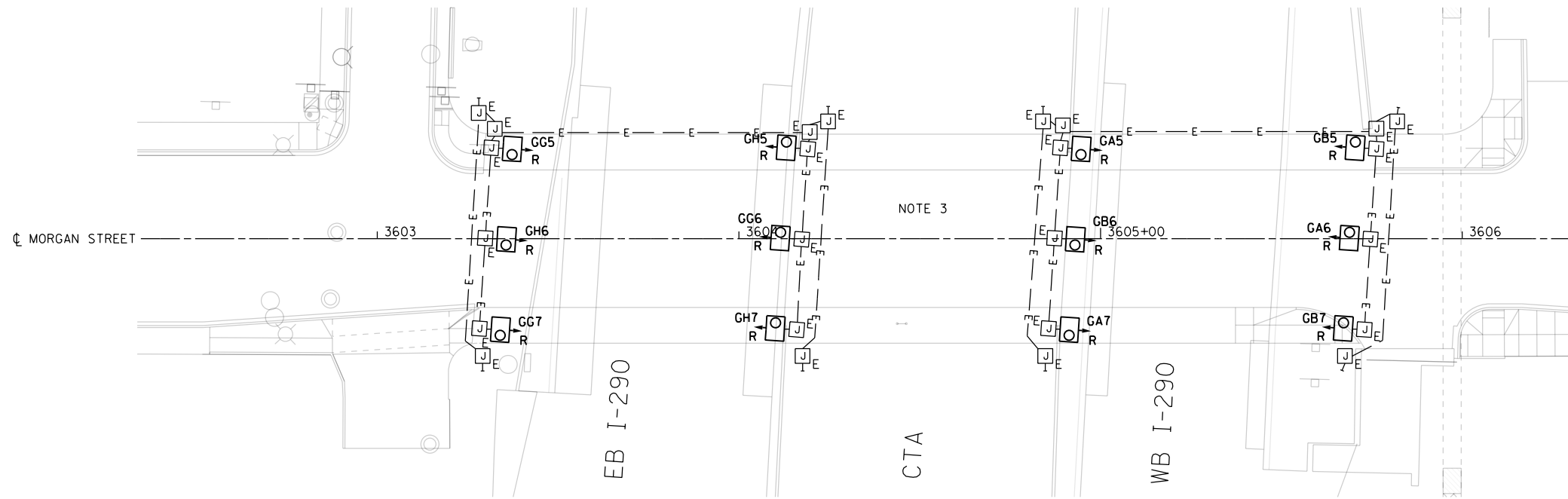
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**HMLT SCHEDULE**

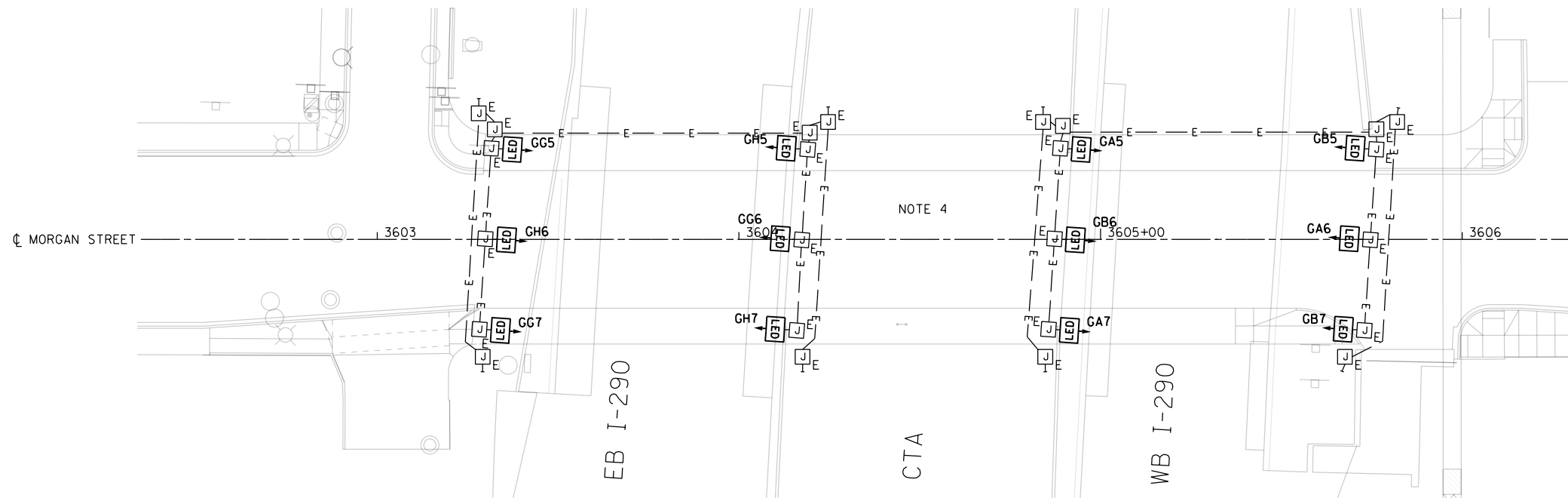
SCALE: N.T.S. SHEET 24 OF 52 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	115
CONTRACT NO. 60Y00			ILLINOIS FED. AID PROJECT	

FILE PATH = p:\aecom\na-ansi\ecommon\local\ae\COM\_D502\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\_Phase\_1\1000\_CAD\01E\_Electrical\Sheets\60Y00-Contract\160Y00-sht-Light-25



**EXISTING UNDERPASS LIGHTING PLAN**



**PROPOSED UNDERPASS LIGHTING PLAN**

NOTE 5

**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
3. THE EXISTING UNDERPASS LUMINAIRES SHALL BE REMOVED. THE EXISTING UNDERPASS LIGHTING SYSTEM INFRASTRUCTURE (INCLUDING THE CONDUIT, WIRING, MOUNTING BRACKETS AND HARDWARE) SHALL REMAIN AND WILL BE REUSED TO PROVIDE POWER TO AND MOUNT THE NEW LUMINAIRES FROM THE EXISTING BRIDGE STRUCTURE.
4. NEW LED UNDERPASS LUMINAIRES WILL BE INSTALLED AT THE SAME LOCATION AS THE EXISTING REMOVED LUMINAIRES. ANY WORK REQUIRED TO MODIFY OR REPLACE THE EXISTING UNDERPASS LIGHTING SYSTEM INFRASTRUCTURE INCLUDING MOUNTING BRACKETS AND HARDWARE TO INSTALL THE NEW LED LUMINAIRES AND PROVIDE A COMPLETE, FULLY FUNCTIONAL UNDERPASS LIGHTING SYSTEM WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE APPROPRIATE "LUMINAIRE, LED, UNDERPASS" PAY ITEM.
5. SEE IDOT STANDARD DRAWINGS BE-901 AND BE-903 FOR ADDITIONAL INSTALLATION DETAILS FOR PROPOSED SUSPENDED MOUNT AND PIER/ABUTMENT WALL MOUNTED UNDERPASS LUMINAIRES.

 LED UNDERPASS LUMINAIRE  
OUTPUT DESIGNATION D



GRAPHIC SCALE  
0 20 40  
FEET

RL-25



D160Y00-sht-Light-25  
USER NAME = myersc  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 3/2/2020

DESIGNED - WDS  
DRAWN - CAM  
CHECKED - WDS  
DATE - 3/4/2020

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

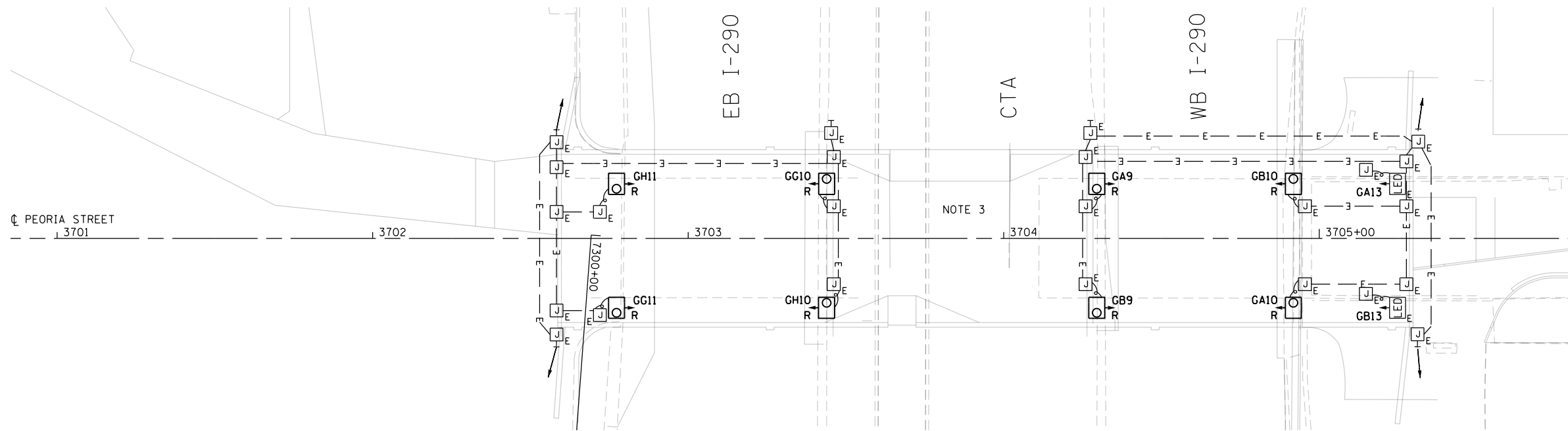
MORGAN STREET UNDERPASS LIGHTING PLAN

SCALE: SHEET 25 OF 52 SHEETS STA. TO STA.

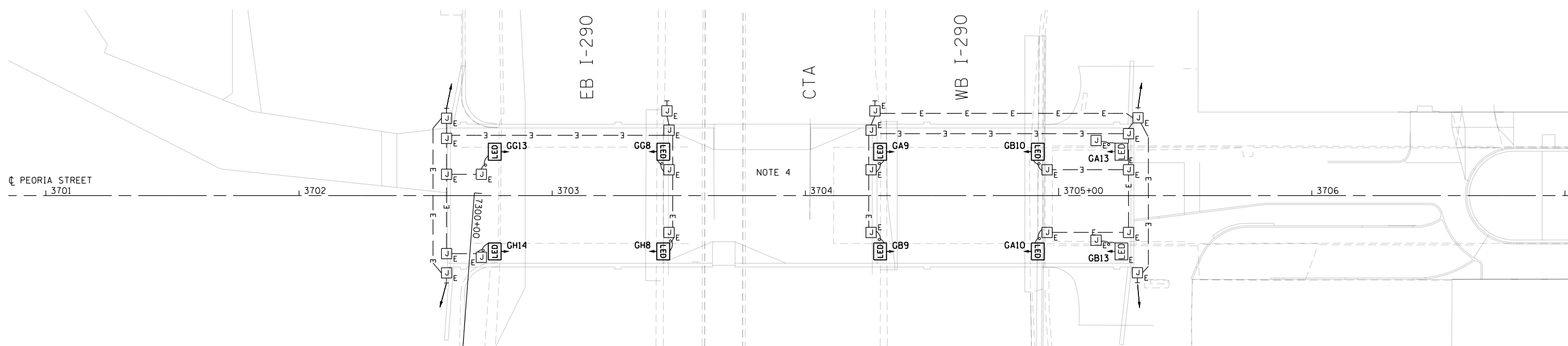
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	116
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				



FILE PATH = p:\AECOM\NA\NSI\encom\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\_Phase\_1\1000\_CAD\01E\_Electrical\Sheets\60Y00\_Contract\160Y00-sht-Light-26



**EXISTING UNDERPASS LIGHTING PLAN**



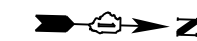
**PROPOSED UNDERPASS LIGHTING PLAN**

NOTE 5

**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
3. THE EXISTING UNDERPASS LUMINAIRES SHALL BE REMOVED. THE EXISTING UNDERPASS LIGHTING SYSTEM INFRASTRUCTURE (INCLUDING THE CONDUIT, WIRING, MOUNTING BRACKETS AND HARDWARE) SHALL REMAIN AND WILL BE REUSED TO PROVIDE POWER TO AND MOUNT THE NEW LUMINAIRES FROM THE EXISTING BRIDGE STRUCTURE.
4. NEW LED UNDERPASS LUMINAIRES WILL BE INSTALLED AT THE SAME LOCATION AS THE EXISTING REMOVED LUMINAIRES. ANY WORK REQUIRED TO MODIFY OR REPLACE THE EXISTING UNDERPASS LIGHTING SYSTEM INFRASTRUCTURE INCLUDING MOUNTING BRACKETS AND HARDWARE TO INSTALL THE NEW LED LUMINAIRES AND PROVIDE A COMPLETE, FULLY FUNCTIONAL UNDERPASS LIGHTING SYSTEM WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE APPROPRIATE "LUMINAIRE, LED, UNDERPASS" PAY ITEM.
5. SEE IDOT STANDARD DRAWINGS BE-901 AND BE-903 FOR ADDITIONAL INSTALLATION DETAILS FOR PROPOSED SUSPENDED MOUNT AND PIER/ABUTMENT WALL MOUNTED UNDERPASS LUMINAIRES.

**LED** LED UNDERPASS LUMINAIRE  
 OUTPUT DESIGNATION D



GRAPHIC SCALE



RL-26



D160Y00-sht-Light-26  
 USER NAME = myersc  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 3/2/2020

DESIGNED - WDS  
 DRAWN - CAM  
 CHECKED - WDS  
 DATE - 3/4/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PEORIA STREET UNDERPASS LIGHTING PLAN**

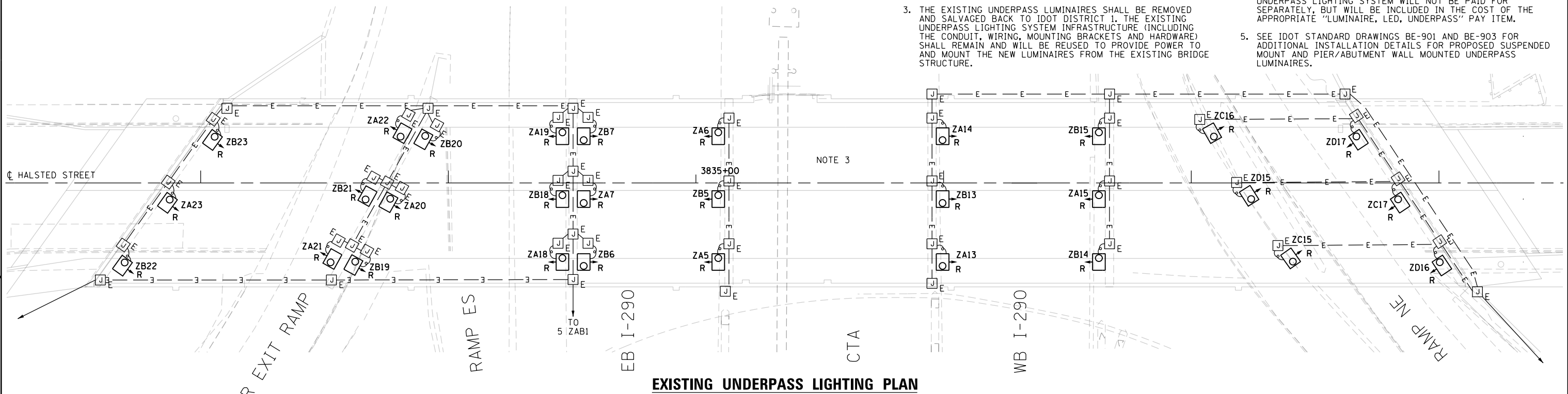
SCALE: 1"=20' SHEET 26 OF 52 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	117
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

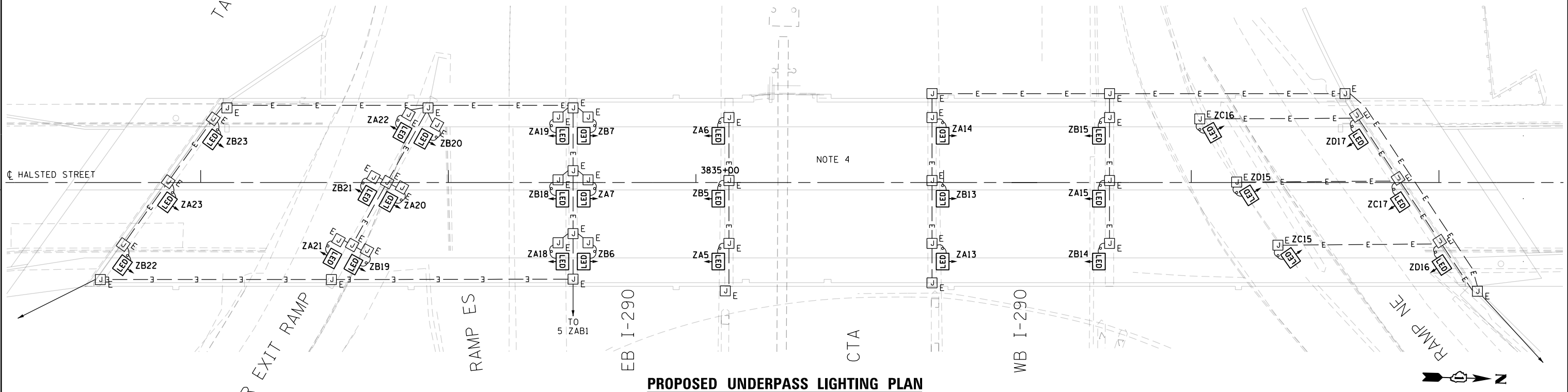
**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
3. THE EXISTING UNDERPASS LUMINAIRES SHALL BE REMOVED AND SALVAGED BACK TO IDOT DISTRICT 1. THE EXISTING UNDERPASS LIGHTING SYSTEM INFRASTRUCTURE (INCLUDING THE CONDUIT, WIRING, MOUNTING BRACKETS AND HARDWARE) SHALL REMAIN AND WILL BE REUSED TO PROVIDE POWER TO AND MOUNT THE NEW LUMINAIRES FROM THE EXISTING BRIDGE STRUCTURE.
4. NEW LED UNDERPASS LUMINAIRES WILL BE INSTALLED AT THE SAME LOCATION AS THE EXISTING REMOVED LUMINAIRES. ANY WORK REQUIRED TO MODIFY OR REPLACE THE EXISTING UNDERPASS LIGHTING SYSTEM INFRASTRUCTURE INCLUDING MOUNTING BRACKETS AND HARDWARE TO INSTALL THE NEW LED LUMINAIRES AND PROVIDE A COMPLETE, FULLY FUNCTIONAL UNDERPASS LIGHTING SYSTEM WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE APPROPRIATE "LUMINAIRE, LED, UNDERPASS" PAY ITEM.
5. SEE IDOT STANDARD DRAWINGS BE-901 AND BE-903 FOR ADDITIONAL INSTALLATION DETAILS FOR PROPOSED SUSPENDED MOUNT AND PIER/ABUTMENT WALL MOUNTED UNDERPASS LUMINAIRES.

LED  
↓  
LED UNDERPASS LUMINAIRE  
OUTPUT DESIGNATION D



**EXISTING UNDERPASS LIGHTING PLAN**



**PROPOSED UNDERPASS LIGHTING PLAN**

NOTE 5

FILE PATH = p:\AECOM\NA-AWS\encom\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\_Phase\_1\1000\_CAD\01E\_Electrical\Sheets\60Y00-shr-Light-27



D160Y00-shr-Light-27  
USER NAME = myersc  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 1/24/2020

DESIGNED - WDS	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 1/29/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HALSTED STREET UNDERPASS LIGHTING PLAN

SCALE: 1"=20' SHEET 27 OF 52 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	118
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

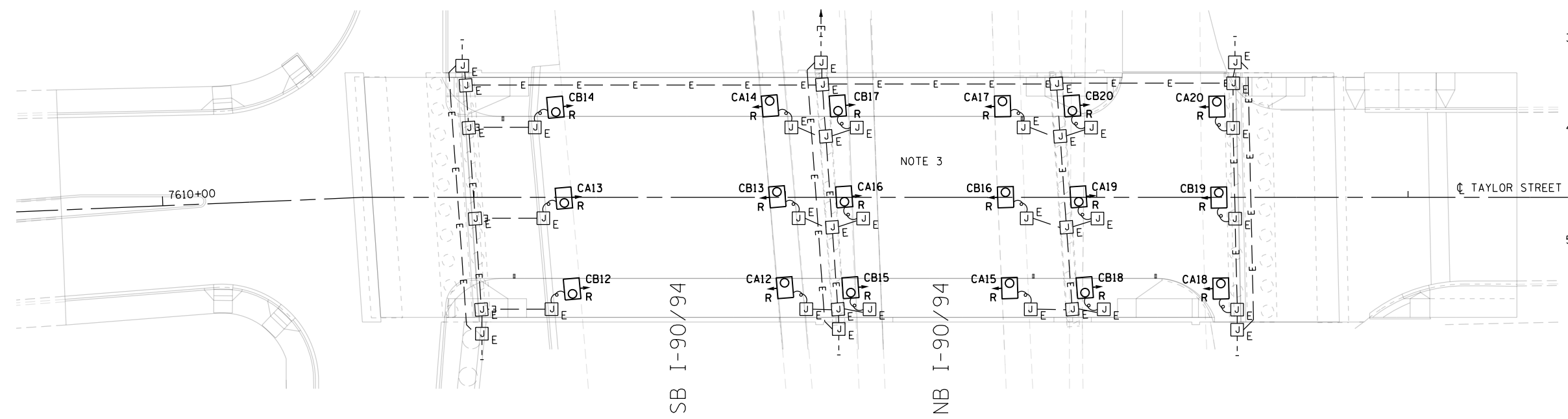
RL-27



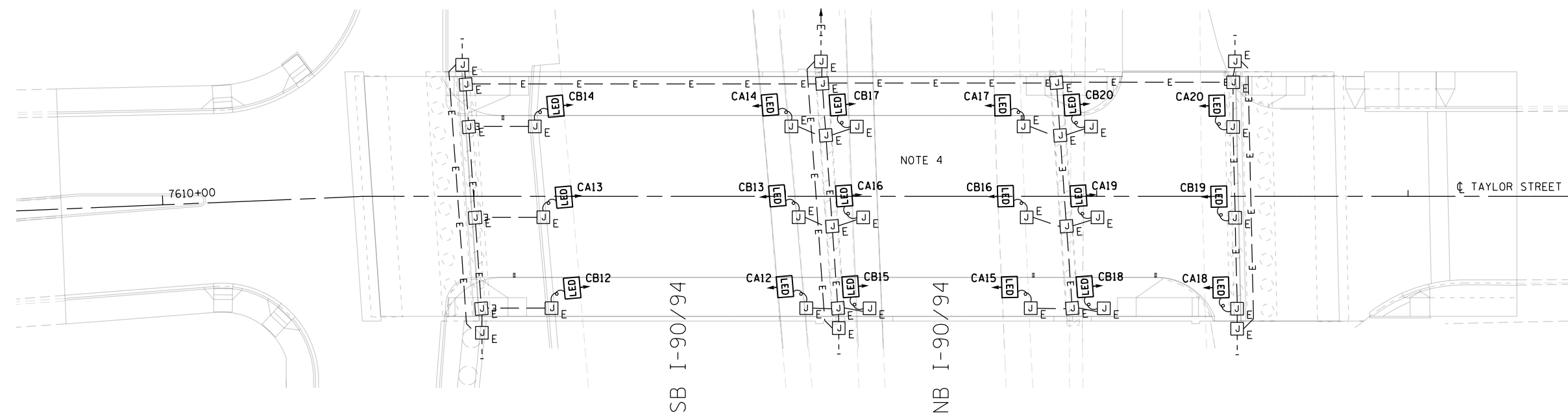
**NOTES:**

- SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- THE EXISTING UNDERPASS LUMINAIRES SHALL BE REMOVED AND SALVAGED BACK TO IDOT DISTRICT 1. THE EXISTING UNDERPASS LIGHTING SYSTEM INFRASTRUCTURE INCLUDING THE CONDUIT, WIRING, MOUNTING BRACKETS AND HARDWARE SHALL REMAIN AND WILL BE REUSED TO PROVIDE POWER TO AND MOUNT THE NEW LUMINAIRES FROM THE EXISTING BRIDGE STRUCTURE.
- NEW LED UNDERPASS LUMINAIRES WILL BE INSTALLED AT THE SAME LOCATION AS THE EXISTING REMOVED LUMINAIRES. ANY WORK REQUIRED TO MODIFY OR REPLACE THE EXISTING UNDERPASS LIGHTING SYSTEM INFRASTRUCTURE INCLUDING MOUNTING BRACKETS AND HARDWARE TO INSTALL THE NEW LED LUMINAIRES AND PROVIDE A COMPLETE, FULLY FUNCTIONAL UNDERPASS LIGHTING SYSTEM WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE APPROPRIATE "LUMINAIRE, UNDERPASS, LED" PAY ITEM.
- SEE IDOT STANDARD DRAWINGS BE-901 AND BE-903 FOR ADDITIONAL INSTALLATION DETAILS FOR PROPOSED SUSPENDED MOUNT AND PIER/ABUTMENT WALL MOUNTED UNDERPASS LUMINAIRES.

**LED** LED UNDERPASS LUMINAIRE  
 OUTPUT DESIGNATION D

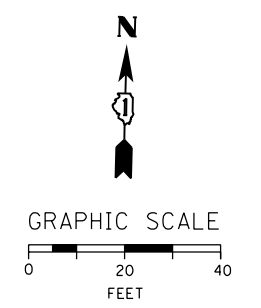


**EXISTING UNDERPASS LIGHTING PLAN**



**PROPOSED UNDERPASS LIGHTING PLAN**

NOTE 5



FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\I\000\_CAD\01E\Electrical\Sheets\60Y00\_Contract\I60Y00-sht-Light-29



D160Y00-sht-Light-29  
 USER NAME = myersc  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 1/24/2020

DESIGNED - WDS	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TAYLOR STREET UNDERPASS LIGHTING PLAN**

SCALE: 1"=20' SHEET 29 OF 52 SHEETS STA. TO STA.

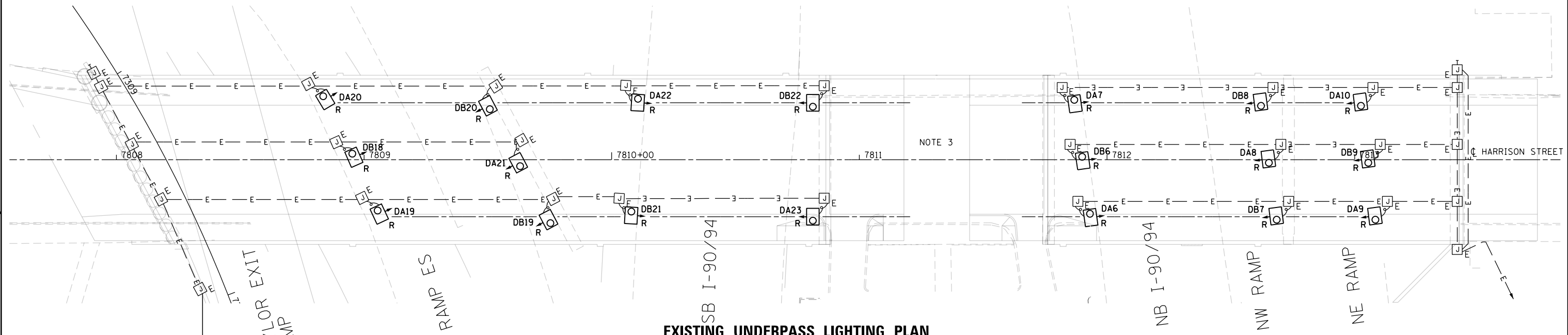
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	120
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

RL-29

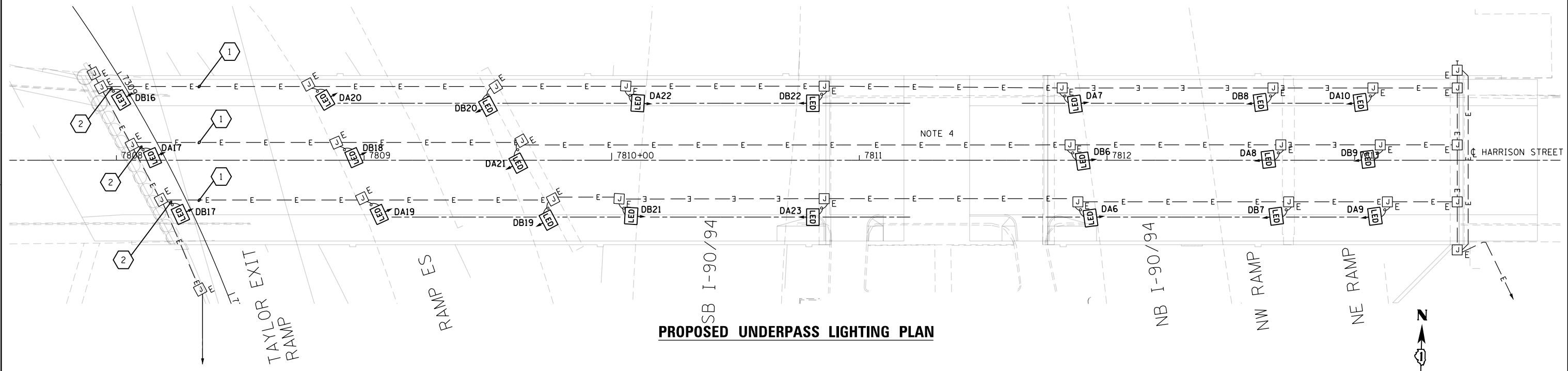
CABLE / CONDUIT SCHEDULE	
1	2-1/C#10, 1-1/C#10 GND IN EXISTING 1" DIA PVCC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
2	2-1/C#10, 1-1/C#10 GND IN 3/4" DIA LIQUID TIGHT FLEXIBLE CONDUIT (CKTS AS INDICATED ON THIS DRAWING)

**NOTES:**

- SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- THE EXISTING UNDERPASS LUMINAIRES SHALL BE REMOVED. THE EXISTING UNDERPASS LIGHTING SYSTEM INFRASTRUCTURE (INCLUDING THE CONDUIT, WIRING, MOUNTING BRACKETS AND HARDWARE) SHALL REMAIN AND WILL BE REUSED TO PROVIDE POWER TO AND MOUNT THE NEW LUMINAIRES FROM THE EXISTING BRIDGE STRUCTURE.
- NEW LED UNDERPASS LUMINAIRES WILL BE INSTALLED AT THE SAME LOCATION AS THE EXISTING REMOVED LUMINAIRES. ANY WORK REQUIRED TO MODIFY OR REPLACE THE EXISTING UNDERPASS LIGHTING SYSTEM INFRASTRUCTURE INCLUDING MOUNTING BRACKETS AND HARDWARE TO INSTALL THE NEW LED LUMINAIRES AND PROVIDE A COMPLETE, FULLY FUNCTIONAL UNDERPASS LIGHTING SYSTEM WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE APPROPRIATE "LUMINAIRE, LED, UNDERPASS" PAY ITEM.
- SEE IDOT STANDARD DRAWINGS BE-901 AND BE-903 FOR ADDITIONAL INSTALLATION DETAILS FOR PROPOSED SUSPENDED MOUNT AND PIER/ABUTMENT WALL MOUNTED UNDERPASS LUMINAIRES.

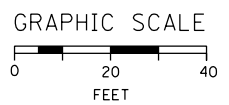


**EXISTING UNDERPASS LIGHTING PLAN**



**PROPOSED UNDERPASS LIGHTING PLAN**

LED UNDERPASS LUMINAIRE OUTPUT DESIGNATION D



RL-30

FILE PATH = p:\AECOM\NA-AWS\encom\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\_Phase\1\000\_CAD\01E\_Electrical\Sheets\60Y00-sht-Light-30



D160Y00-sht-Light-30  
 USER NAME = myersc  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 3/2/2020

DESIGNED - WDS	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 3/4/2020	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

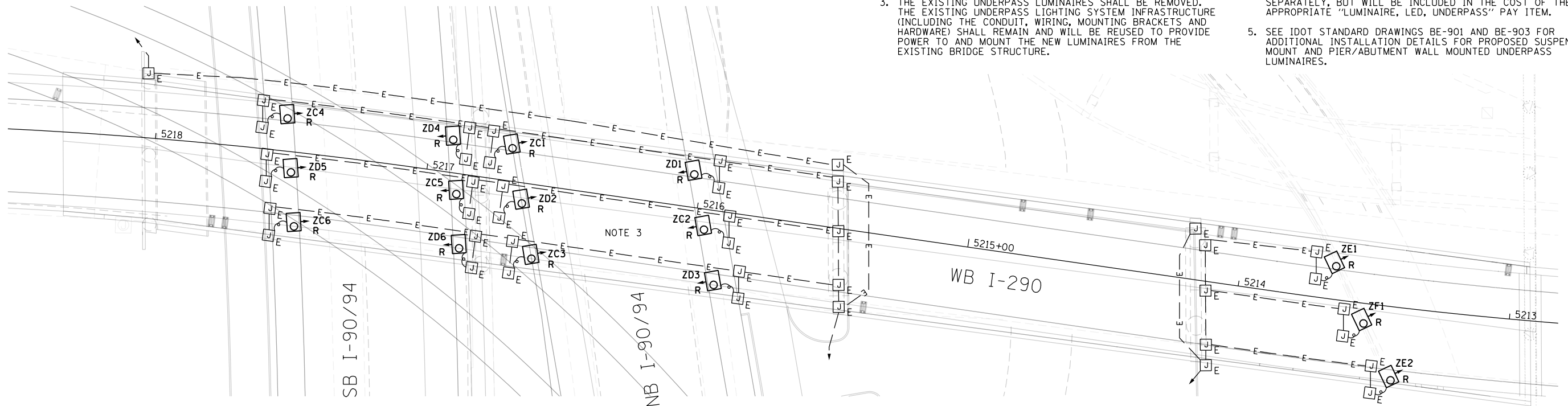
HARRISON STREET UNDERPASS LIGHTING PLAN

SCALE: 1"=20' SHEET 30 OF 52 SHEETS STA. TO STA.

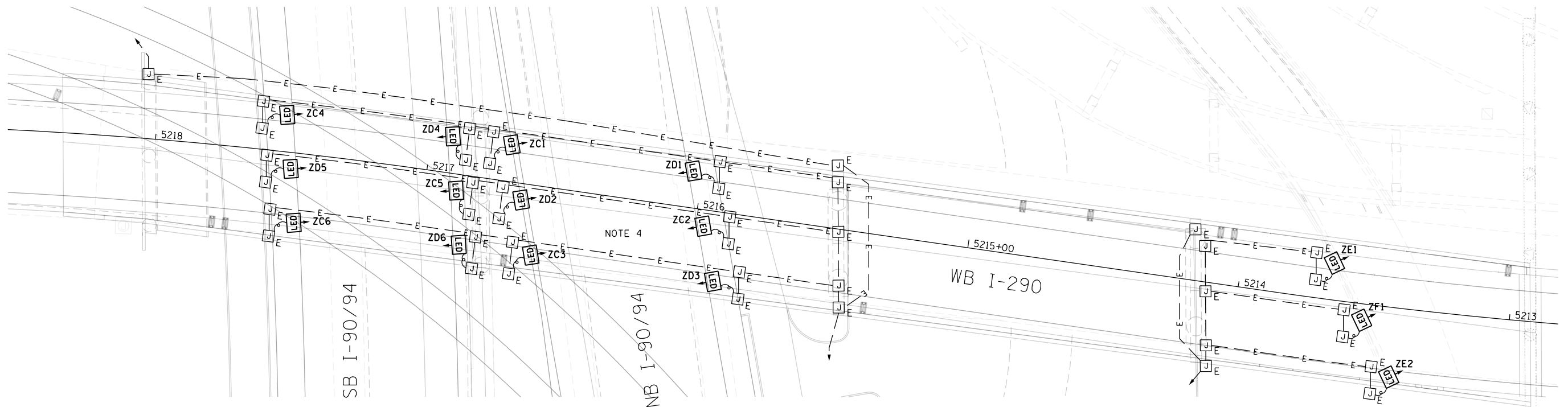
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	121
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
3. THE EXISTING UNDERPASS LUMINAIRES SHALL BE REMOVED. THE EXISTING UNDERPASS LIGHTING SYSTEM INFRASTRUCTURE (INCLUDING THE CONDUIT, WIRING, MOUNTING BRACKETS AND HARDWARE) SHALL REMAIN AND WILL BE REUSED TO PROVIDE POWER TO AND MOUNT THE NEW LUMINAIRES FROM THE EXISTING BRIDGE STRUCTURE.
4. NEW LED UNDERPASS LUMINAIRES WILL BE INSTALLED AT THE SAME LOCATION AS THE EXISTING REMOVED LUMINAIRES. ANY WORK REQUIRED TO MODIFY OR REPLACE THE EXISTING UNDERPASS LIGHTING SYSTEM INFRASTRUCTURE INCLUDING MOUNTING BRACKETS AND HARDWARE TO INSTALL THE NEW LED LUMINAIRES AND PROVIDE A COMPLETE, FULLY FUNCTIONAL UNDERPASS LIGHTING SYSTEM WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE APPROPRIATE "LUMINAIRE, LED, UNDERPASS" PAY ITEM.
5. SEE IDOT STANDARD DRAWINGS BE-901 AND BE-903 FOR ADDITIONAL INSTALLATION DETAILS FOR PROPOSED SUSPENDED MOUNT AND PIER/ABUTMENT WALL MOUNTED UNDERPASS LUMINAIRES.



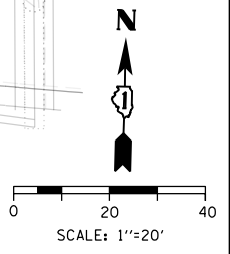
**EXISTING UNDERPASS LIGHTING PLAN**



**PROPOSED UNDERPASS LIGHTING PLAN**

NOTE 5

LED LED UNDERPASS LUMINAIRE  
 ▾ OUTPUT DESIGNATION D



RL-31

FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM\_D582\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\_Phase\_1\1000\_CAD\01E\Electrical\Sheets\60Y00\_Contract\160Y00-shr-Light-31



D160Y00-shr-Light-31  
 USER NAME = myersc  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 3/2/2020

DESIGNED - WDS	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 3/4/2020	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

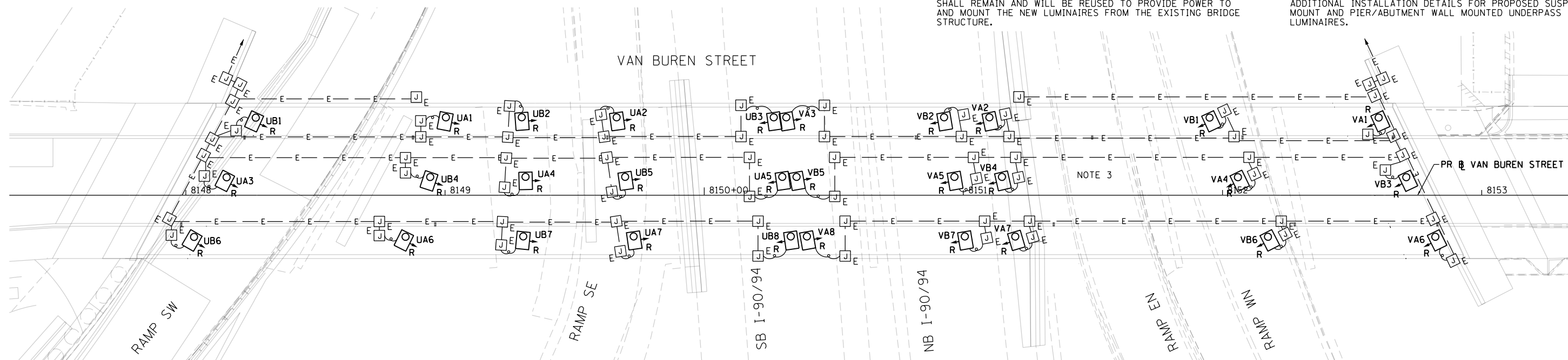
**WB I-290 UNDERPASS LIGHTING PLAN**

SCALE: 1"=20' SHEET 31 OF 52 SHEETS STA. TO STA.

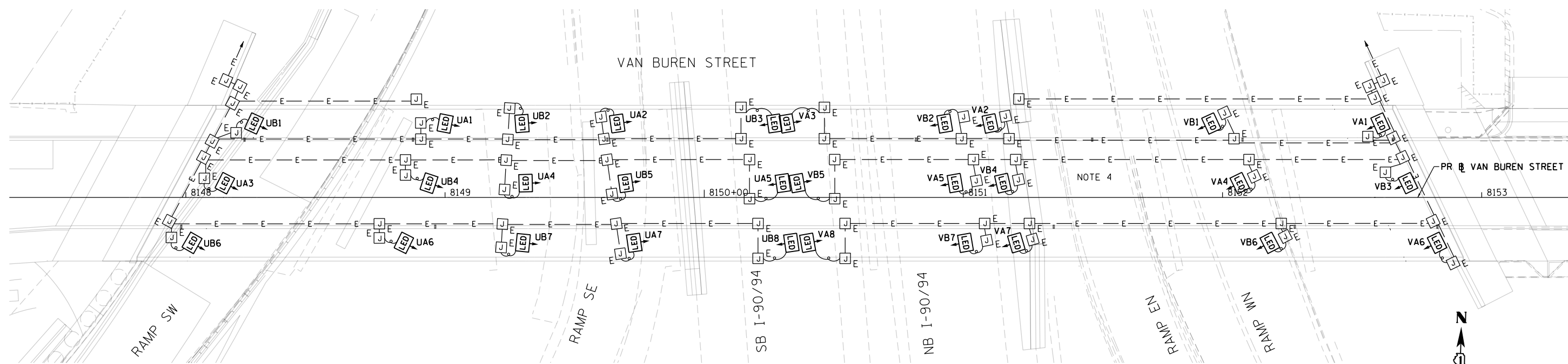
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	122
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
3. THE EXISTING UNDERPASS LUMINAIRES SHALL BE REMOVED AND SALVAGED BACK TO IDOT DISTRICT 1. THE EXISTING UNDERPASS LIGHTING SYSTEM INFRASTRUCTURE (INCLUDING THE CONDUIT, WIRING, MOUNTING BRACKETS AND HARDWARE) SHALL REMAIN AND WILL BE REUSED TO PROVIDE POWER TO AND MOUNT THE NEW LUMINAIRES FROM THE EXISTING BRIDGE STRUCTURE.
4. NEW LED UNDERPASS LUMINAIRES WILL BE INSTALLED AT THE SAME LOCATION AS THE EXISTING REMOVED LUMINAIRES. ANY WORK REQUIRED TO MODIFY OR REPLACE THE EXISTING UNDERPASS LIGHTING SYSTEM INFRASTRUCTURE INCLUDING MOUNTING BRACKETS AND HARDWARE TO INSTALL THE NEW LED LUMINAIRES AND PROVIDE A COMPLETE, FULLY FUNCTIONAL UNDERPASS LIGHTING SYSTEM WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE APPROPRIATE "LUMINAIRE, LED, UNDERPASS" PAY ITEM.
5. SEE IDOT STANDARD DRAWINGS BE-901 AND BE-903 FOR ADDITIONAL INSTALLATION DETAILS FOR PROPOSED SUSPENDED MOUNT AND PIER/ABUTMENT WALL MOUNTED UNDERPASS LUMINAIRES.

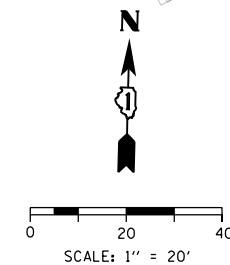


**EXISTING UNDERPASS LIGHTING PLAN**



**PROPOSED UNDERPASS LIGHTING PLAN**

LED UNDERPASS LUMINAIRE  
OUTPUT DESIGNATION D



RL-32

FILE PATH = p:\AECOM\NA-AVSI\encom\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase\1\000\_CAD\01E\Electrical\Sheets\60700\_Sht-Light-32



D160Y00-Sht-Light-32  
USER NAME = myersc  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 1/24/2020

DESIGNED - PFD	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 1/29/2020	REVISED -

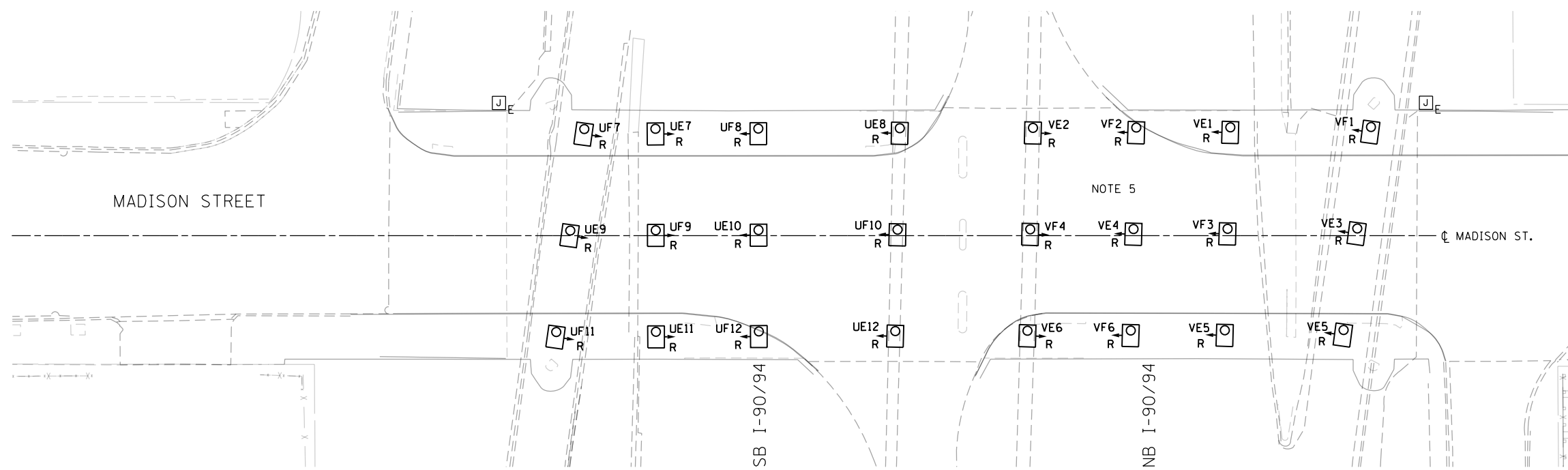
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VAN BUREN STREET UNDERPASS LIGHTING PLAN

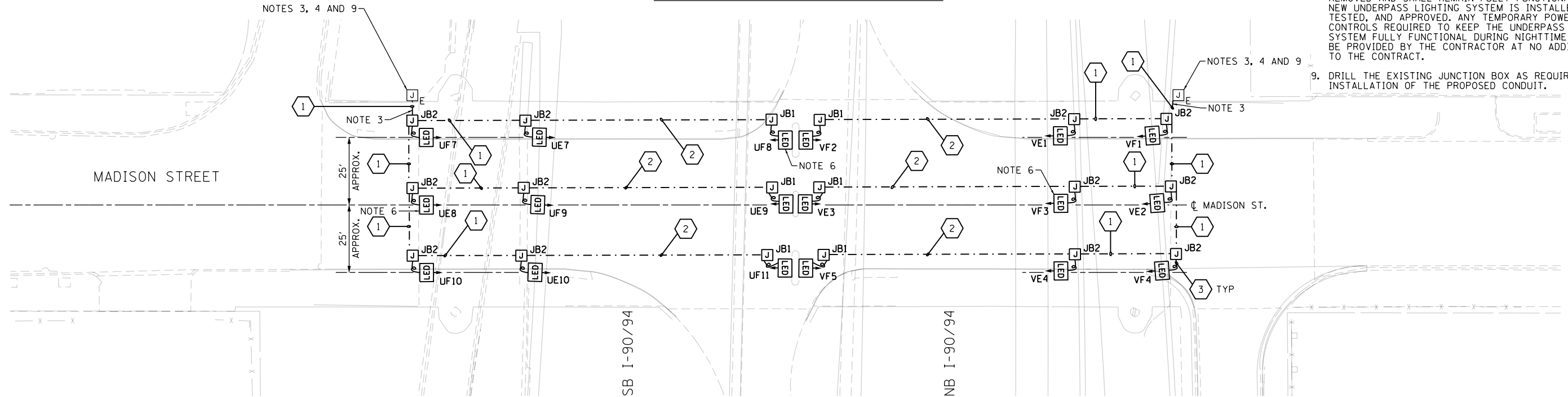
SCALE: 1"=20' SHEET 32 OF 52 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	123
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\AECOM\NA\MSI\encom\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase\_1\1000\_CAD\01E\Electrical\Sheets\60Y00\_Sht-Light-33



**EXISTING UNDERPASS LIGHTING PLAN**



**PROPOSED UNDERPASS LIGHTING PLAN**

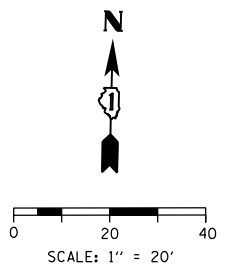
**NOTES:**

- SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- ROUTE THE NEW UNDERPASS LIGHTING CONDUIT AND CABLES TO THE EXISTING JUNCTION BOX MOUNTED ON THE ABUTMENT WALL. CONNECT THE NEW NO. 10 AWG CABLES TO THE EXISTING LIGHTING CIRCUIT CABLES LOCATED WITHIN THE JUNCTION BOX.
- PROVIDE NEW TERMINAL BLOCKS AND 30 AMP FUSES IN THE EXISTING JUNCTION BOX FOR SPLICING THE NEW NO. 10 AWG CABLES TO THE EXISTING NO. 2 AWG LIGHTING CIRCUIT CABLES. THE WORK TO PROVIDE THE NEW TERMINAL BLOCKS AND FUSES SHALL BE INCLUDED IN AND PAID FOR UNDER THE APPROPRIATE "LUMINAIRE, LED, UNDERPASS" PAY ITEM.
- THE REMOVAL OF THE UNDERPASS LIGHTING UNITS WILL INCLUDE THE REMOVAL OF ALL ASSOCIATED CONDUIT, WIRE, JUNCTION BOXES, HARDWARE AND APPURTENANT MATERIALS IN ACCORDANCE WITH SECTION 842 OF THE STANDARD SPECIFICATIONS.
- THE UNDERPASS LUMINAIRES SHALL BE MOUNTED APPROXIMATELY 6 INCHES BELOW THE TOP OF THE ABUTMENT/PIER, UNLESS OTHERWISE DIRECTED. THE MIDDLE LUMINAIRE SHALL BE INSTALLED IN THE CENTER OF THE BRIDGE STRUCTURE.
- SEE IDOT STANDARD DRAWING BE-903 FOR ADDITIONAL INSTALLATION DETAILS FOR PROPOSED PIER/ABUTMENT WALL MOUNTED UNDERPASS LUMINAIRES.
- THE EXISTING UNDERPASS LIGHTING SYSTEM SHALL NOT BE REMOVED AND SHALL REMAIN FULLY FUNCTIONAL UNTIL THE NEW UNDERPASS LIGHTING SYSTEM IS INSTALLED, ENERGIZED, TESTED, AND APPROVED. ANY TEMPORARY POWER AND CONTROLS REQUIRED TO KEEP THE UNDERPASS LIGHTING SYSTEM FULLY FUNCTIONAL DURING NIGHTTIME HOURS SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.
- DRILL THE EXISTING JUNCTION BOX AS REQUIRED FOR THE INSTALLATION OF THE PROPOSED CONDUIT.

LED UNDERPASS LUMINAIRE  
OUTPUT DESIGNATION D

JUNCTION BOX SCHEDULE		
NO.	SIZE	DESCRIPTION
JB1	6"x6"x4"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING
JB2	12"x10"x6"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING

CABLE / CONDUIT SCHEDULE	
1	3-1/C*10, 1-1/C*10 GND IN 1" DIA PVC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
2	2-1/C*10, 1-1/C*10 GND IN 1" DIA PVC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
3	2-1/C*10, 1-1/C*10 GND IN 3/4" DIA LIQUID TIGHT FLEXIBLE CONDUIT (CKTS AS INDICATED ON THIS DRAWING)



RL-33



D160Y00-Sht-Light-33	DESIGNED - PFD	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 1/24/2020	DATE - 1/29/2020	REVISED -

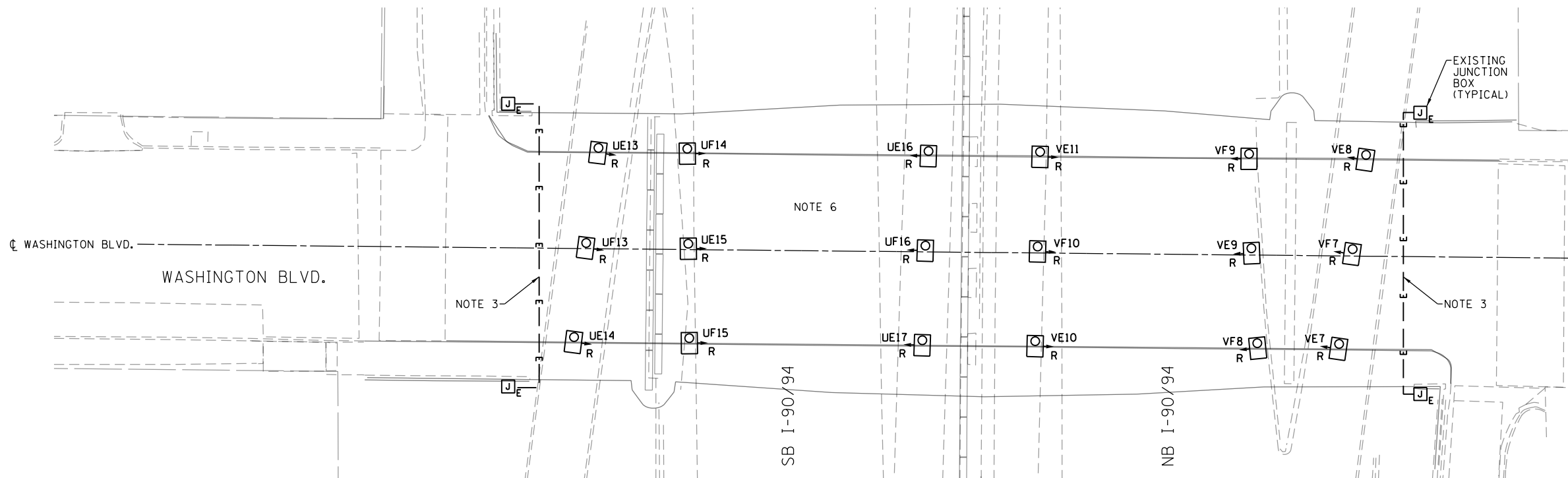
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MADISON STREET UNDERPASS LIGHTING PLAN**  
SCALE: 1"=20' SHEET 33 OF 52 SHEETS STA. TO STA.

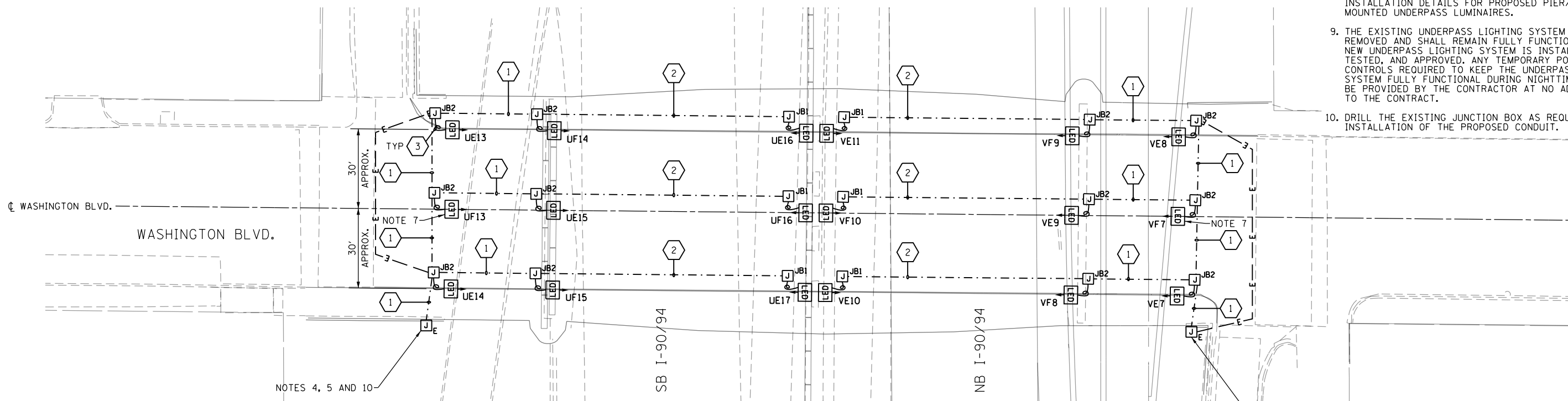
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	124
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				



FILE PATH = p:\aecom\ms-ansi\electrical\local\AECOM\_DS02\_IL\000\_CAD\01E.Electrical\Sheets\60700\_Contract\160700\_Sht-Light-34



**EXISTING UNDERPASS LIGHTING PLAN**



**PROPOSED UNDERPASS LIGHTING PLAN**

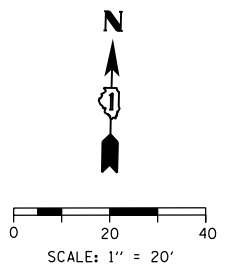
**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
3. REMOVE AND RELOCATE THE EXISTING EXPOSED CONDUIT BETWEEN THE EXISTING JUNCTION BOXES MOUNTED ON THE NORTH AND SOUTH SIDES OF THE WASHINGTON BLVD. BRIDGE EAST AND WEST ABUTMENTS. THE CONDUIT RUN INCLUDING CABLES SHALL BE LOWERED SUFFICIENTLY TO MAKE ROOM FOR THE INSTALLATION OF THE NEW LED UNDERPASS LUMINAIRES ON THE ABUTMENT. THIS CONDUIT AND CABLE RELOCATION SHALL BE PAID FOR UNDER THE "RELOCATE EXISTING CONDUIT AND CABLES" PAY ITEM.
4. ROUTE THE NEW UNDERPASS LIGHTING CONDUIT AND CABLES TO THE EXISTING JUNCTION BOX MOUNTED ON THE ABUTMENT WALL. CONNECT THE NEW NO. 10 AWG CABLES TO THE EXISTING LIGHTING CIRCUIT CABLES LOCATED WITHIN THE JUNCTION BOX.
5. PROVIDE NEW TERMINAL BLOCKS AND 30 AMP FUSES IN THE EXISTING JUNCTION BOX FOR SPLICING THE NEW NO. 10 AWG CABLES TO THE EXISTING NO. 2 AWG LIGHTING CIRCUIT CABLES. THE WORK TO PROVIDE THE NEW TERMINAL BLOCKS AND FUSES SHALL BE INCLUDED IN AND PAID FOR UNDER THE APPROPRIATE "LUMINAIRE, LED, UNDERPASS" PAY ITEM.
6. THE REMOVAL OF THE EXISTING UNDERPASS LIGHTING UNITS WILL INCLUDE THE REMOVAL OF ALL ASSOCIATED CONDUIT, WIRE, JUNCTION BOXES, HARDWARE AND APPURTENANT MATERIALS IN ACCORDANCE WITH SECTION 842 OF THE STANDARD SPECIFICATIONS.
7. THE NEW LED UNDERPASS LUMINAIRES SHALL BE MOUNTED APPROXIMATELY 6 INCHES BELOW THE TOP OF THE ABUTMENT/PIER, UNLESS OTHERWISE DIRECTED. THE MIDDLE LUMINAIRE SHALL BE INSTALLED IN THE CENTER OF THE BRIDGE STRUCTURE.
8. SEE IDOT STANDARD DRAWING BE-903 FOR ADDITIONAL INSTALLATION DETAILS FOR PROPOSED PIER/ABUTMENT WALL MOUNTED UNDERPASS LUMINAIRES.
9. THE EXISTING UNDERPASS LIGHTING SYSTEM SHALL NOT BE REMOVED AND SHALL REMAIN FULLY FUNCTIONAL UNTIL THE NEW UNDERPASS LIGHTING SYSTEM IS INSTALLED, ENERGIZED, TESTED, AND APPROVED. ANY TEMPORARY POWER AND CONTROLS REQUIRED TO KEEP THE UNDERPASS LIGHTING SYSTEM FULLY FUNCTIONAL DURING NIGHTTIME HOURS SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.
10. DRILL THE EXISTING JUNCTION BOX AS REQUIRED FOR THE INSTALLATION OF THE PROPOSED CONDUIT.

LED UNDERPASS LUMINAIRE  
 OUTPUT DESIGNATION D

JUNCTION BOX SCHEDULE		
NO.	SIZE	DESCRIPTION
JB1	6"x6"x4"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING
JB2	12"x10"x6"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING

CABLE / CONDUIT SCHEDULE	
	3-1/C#10, 1-1/C#10 GND IN 1" DIA PVCC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
	2-1/C#10, 1-1/C#10 GND IN 1" DIA PVCC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
	2-1/C#10, 1-1/C#10 GND IN 3/4" DIA LIQUID TIGHT FLEXIBLE CONDUIT (CKTS AS INDICATED ON THIS DRAWING)



RL-34



D160700-Sht-Light-34	DESIGNED - PFD	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 1/24/2020	DATE - 1/29/2020	REVISED -

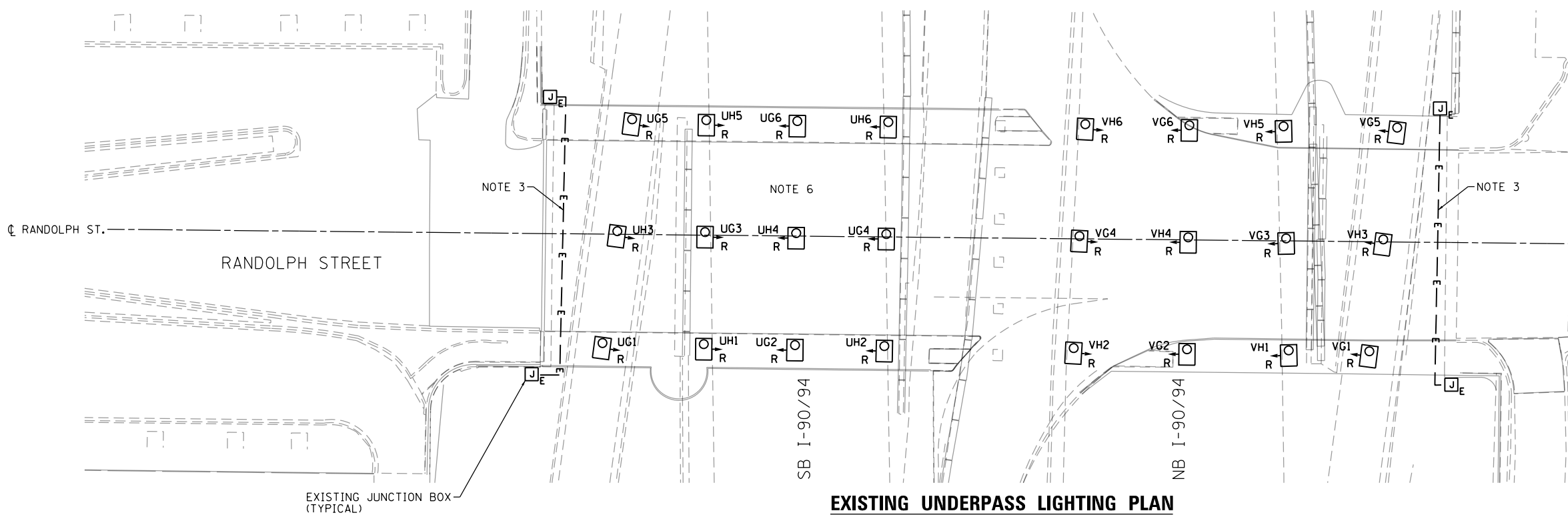
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WASHINGTON BOULEVARD UNDERPASS LIGHTING PLAN**

SCALE: 1"=20' SHEET 34 OF 52 SHEETS STA. TO STA.

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	125
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

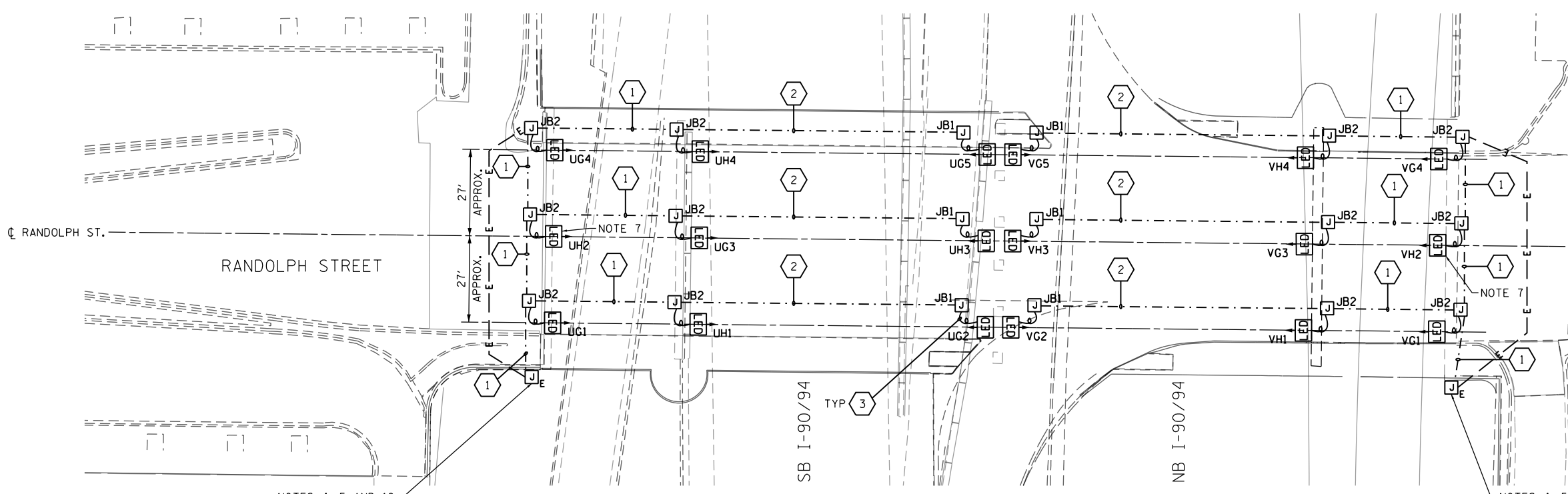
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**EXISTING UNDERPASS LIGHTING PLAN**

**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
3. REMOVE AND RELOCATE THE EXISTING EXPOSED CONDUIT BETWEEN THE EXISTING JUNCTION BOXES MOUNTED ON THE NORTH AND SOUTH SIDES OF THE RANDOLPH STREET BRIDGE EAST AND WEST ABUTMENTS. THE CONDUIT RUN INCLUDING CABLES SHALL BE LOWERED SUFFICIENTLY TO MAKE ROOM FOR THE INSTALLATION OF THE NEW LED UNDERPASS LUMINAIRES ON THE ABUTMENT. THIS CONDUIT AND CABLE RELOCATION SHALL BE PAID FOR UNDER THE "RELOCATE EXISTING CONDUIT AND CABLES" PAY ITEM.
4. ROUTE THE NEW UNDERPASS LIGHTING CONDUIT AND CABLES TO THE EXISTING JUNCTION BOX MOUNTED ON THE ABUTMENT WALL. CONNECT THE NEW NO. 10 AWG CABLES TO THE EXISTING CIRCUIT CABLES LOCATED WITHIN THE JUNCTION BOX.
5. PROVIDE NEW TERMINAL BLOCKS AND 30 AMP FUSES IN THE EXISTING JUNCTION BOX FOR SPICING THE NEW NO. 10 AWG CABLES TO THE EXISTING NO. 2 AWG LIGHTING CIRCUIT CABLES. THE WORK TO PROVIDE THE NEW TERMINAL BLOCKS AND FUSES SHALL BE INCLUDED IN AND PAID FOR UNDER THE APPROPRIATE "LUMINAIRE, LED, UNDERPASS" PAY ITEM.
6. THE REMOVAL OF THE EXISTING UNDERPASS LIGHTING UNITS WILL INCLUDE THE REMOVAL OF ALL ASSOCIATED CONDUIT, WIRE, JUNCTION BOXES, HARDWARE AND APPURTENANT MATERIALS IN ACCORDANCE WITH SECTION 842 OF THE STANDARD SPECIFICATIONS.
7. THE NEW LED UNDERPASS LUMINAIRES SHALL BE MOUNTED APPROXIMATELY 6 INCHES BELOW THE TOP OF THE ABUTMENT/PIER, UNLESS OTHERWISE DIRECTED. THE MIDDLE LUMINAIRE SHALL BE INSTALLED IN THE CENTER OF THE BRIDGE STRUCTURE.
8. SEE IDOT STANDARD DRAWING BE-903 FOR ADDITIONAL INSTALLATION DETAILS FOR PROPOSED PIER/ABUTMENT WALL MOUNTED UNDERPASS LUMINAIRES.
9. THE EXISTING UNDERPASS LIGHTING SYSTEM SHALL NOT BE REMOVED AND SHALL REMAIN FULLY FUNCTIONAL UNTIL THE NEW UNDERPASS LIGHTING SYSTEM IS INSTALLED, ENERGIZED, TESTED, AND APPROVED. ANY TEMPORARY POWER AND CONTROLS REQUIRED TO KEEP THE UNDERPASS LIGHTING SYSTEM FULLY FUNCTIONAL DURING NIGHTTIME HOURS SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.
10. DRILL THE EXISTING JUNCTION BOX AS REQUIRED FOR THE INSTALLATION OF THE PROPOSED CONDUIT.

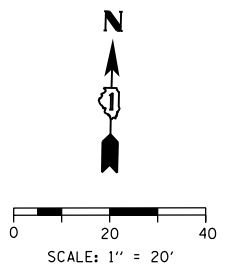


**PROPOSED UNDERPASS LIGHTING PLAN**

LED UNDERPASS LUMINAIRE  
 OUTPUT DESIGNATION D

JUNCTION BOX SCHEDULE		
NO.	SIZE	DESCRIPTION
JB1	6"x6"x4"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING
JB2	12"x10"x6"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING

CABLE / CONDUIT SCHEDULE	
1	3-1/C*10, 1-1/C*10 GND IN 1" DIA PVCC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
2	2-1/C*10, 1-1/C*10 GND IN 1" DIA PVCC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
3	2-1/C*10, 1-1/C*10 GND IN 3/4" DIA LIQUID TIGHT FLEXIBLE CONDUIT (CKTS AS INDICATED ON THIS DRAWING)



RL-35



D160Y00-Sht-Light-35  
 USER NAME = myersc  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 1/24/2020

DESIGNED - PFD  
 DRAWN - CAM  
 CHECKED - WDS  
 DATE - 1/29/2020

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

**RANDOLPH STREET UNDERPASS LIGHTING PLAN**

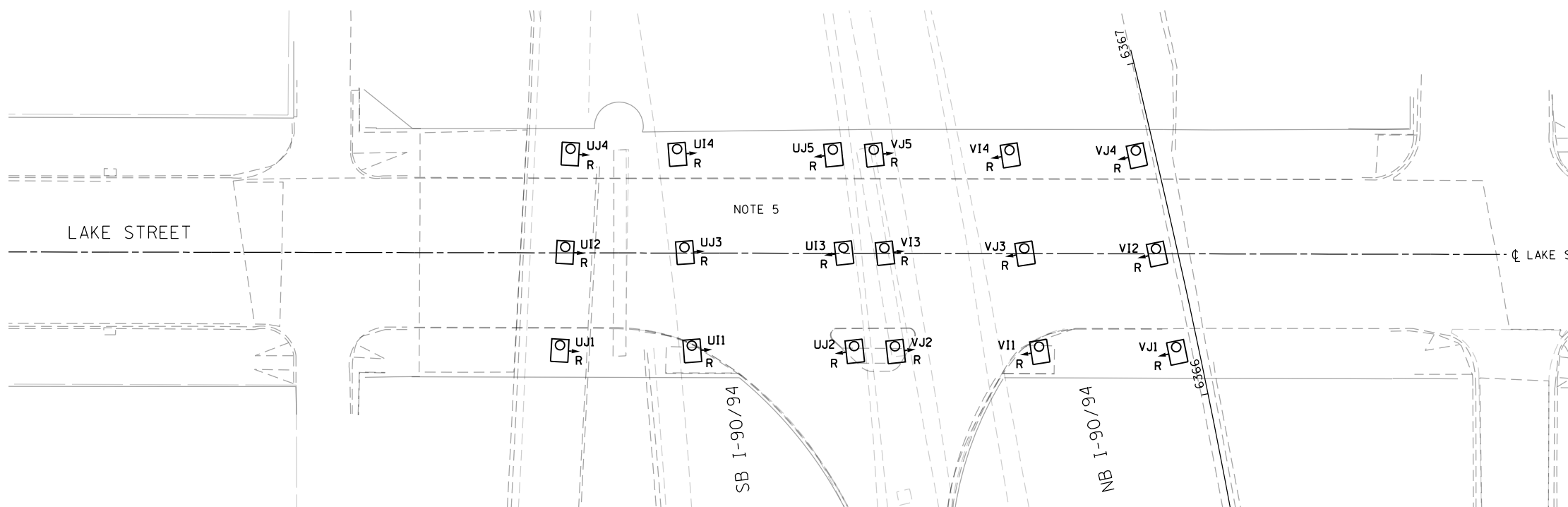
SCALE: 1"=20' SHEET 35 OF 52 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	126
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

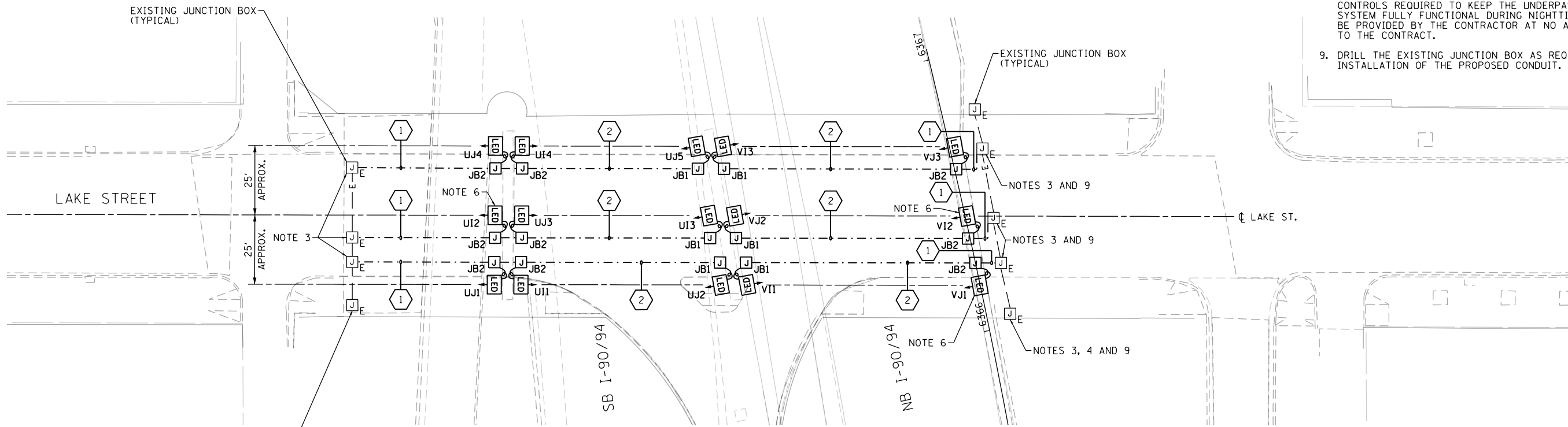
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**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
3. ROUTE THE NEW UNDERPASS LIGHTING CONDUIT AND CABLES TO THE EXISTING JUNCTION BOX MOUNTED ON THE ABUTMENT WALL. CONNECT THE NEW NO. 10 AWG CABLES TO THE EXISTING LIGHTING CIRCUIT CABLES LOCATED WITHIN THE JUNCTION BOX.
4. PROVIDE NEW TERMINAL BLOCKS AND 30 AMP FUSES IN THE EXISTING JUNCTION BOX FOR SPLICING THE NEW NO. 10 AWG CABLES TO THE EXISTING NO. 2 AWG LIGHTING CIRCUIT CABLES. THE WORK TO PROVIDE THE NEW TERMINAL BLOCKS AND FUSES SHALL BE INCLUDED IN AND PAID FOR UNDER THE APPROPRIATE "LUMINAIRE, LED, UNDERPASS" PAY ITEM.
5. THE REMOVAL OF THE UNDERPASS LIGHTING UNITS WILL INCLUDE THE REMOVAL OF ALL ASSOCIATED CONDUIT, WIRE, JUNCTION BOXES, HARDWARE AND APPURTENANT MATERIALS IN ACCORDANCE WITH SECTION 842 OF THE STANDARD SPECIFICATIONS.
6. THE UNDERPASS LUMINAIRES SHALL BE MOUNTED APPROXIMATELY 6 INCHES BELOW THE TOP OF THE ABUTMENT/PIER, UNLESS OTHERWISE DIRECTED. THE MIDDLE LUMINAIRE SHALL BE INSTALLED IN THE CENTER OF THE BRIDGE STRUCTURE.
7. SEE IDOT STANDARD DRAWING BE-903 FOR ADDITIONAL INSTALLATION DETAILS FOR PROPOSED PIER/ABUTMENT WALL MOUNTED UNDERPASS LUMINAIRES.
8. THE EXISTING UNDERPASS LIGHTING SYSTEM SHALL NOT BE REMOVED AND SHALL REMAIN FULLY FUNCTIONAL UNTIL THE NEW UNDERPASS LIGHTING SYSTEM IS INSTALLED, ENERGIZED, TESTED, AND APPROVED. ANY TEMPORARY POWER AND CONTROLS REQUIRED TO KEEP THE UNDERPASS LIGHTING SYSTEM FULLY FUNCTIONAL DURING NIGHTTIME HOURS SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.
9. DRILL THE EXISTING JUNCTION BOX AS REQUIRED FOR THE INSTALLATION OF THE PROPOSED CONDUIT.



**EXISTING UNDERPASS LIGHTING PLAN**

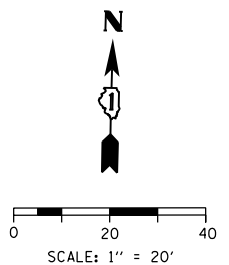


**PROPOSED UNDERPASS LIGHTING PLAN**

LED UNDERPASS LUMINAIRE OUTPUT DESIGNATION D

JUNCTION BOX SCHEDULE		
NO.	SIZE	DESCRIPTION
JB1	6"x6"x4"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING
JB2	12"x10"x6"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING

CABLE / CONDUIT SCHEDULE	
NO.	DESCRIPTION
1	3-1/C*10, 1-1/C*10 GND IN 1" DIA PVC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
2	2-1/C*10, 1-1/C*10 GND IN 1" DIA PVC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
3	2-1/C*10, 1-1/C*10 GND IN 3/4" DIA LIQUID TIGHT FLEXIBLE CONDUIT (CKTS AS INDICATED ON THIS DRAWING)



RL-36



D160Y00-Sht-Light-36  
 USER NAME = myersc  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 1/24/2020

DESIGNED - PFD  
 DRAWN - CAM  
 CHECKED - WDS  
 DATE - 1/29/2020

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

LAKE STREET UNDERPASS LIGHTING PLAN

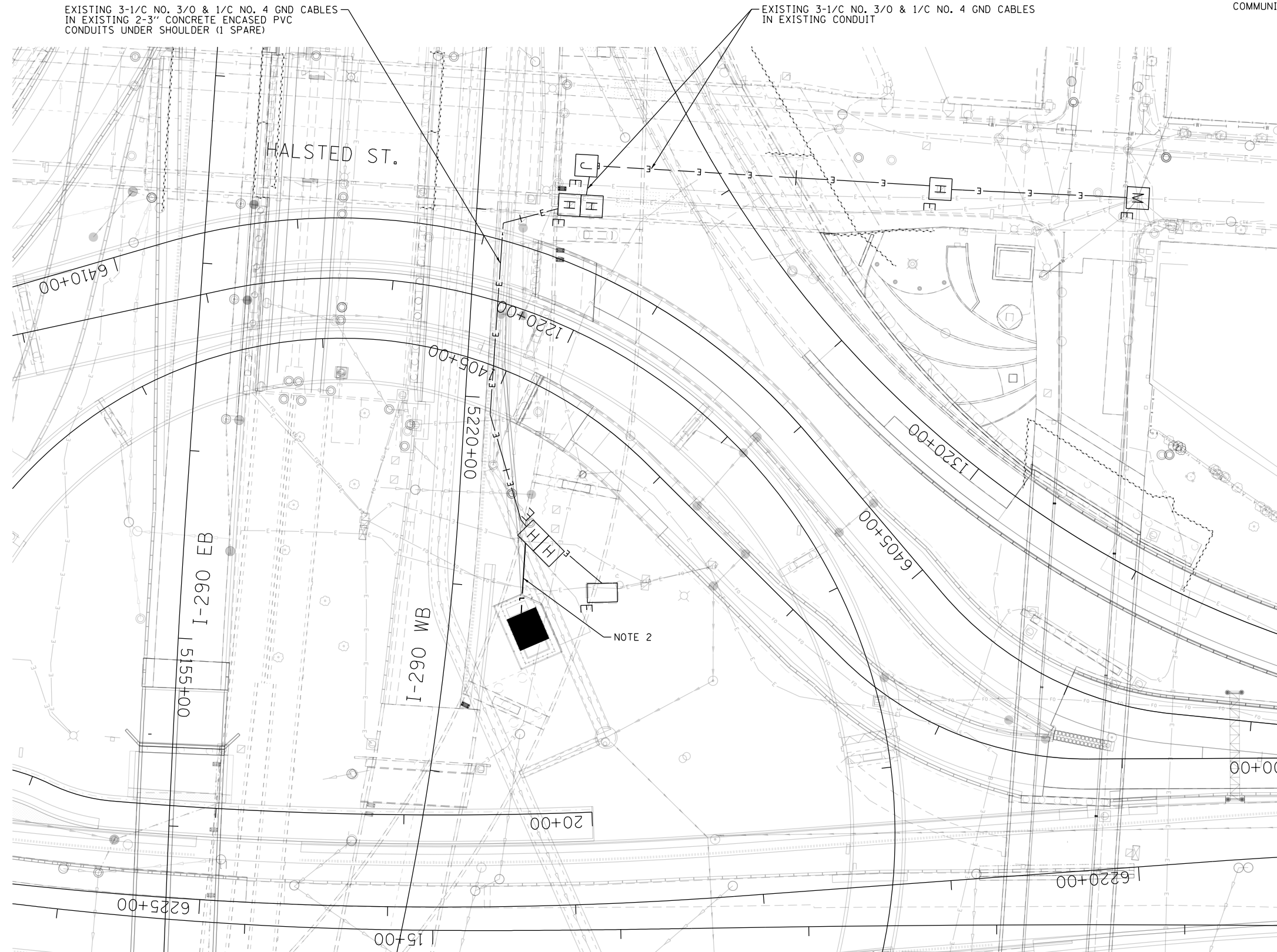
SCALE: 1"=20' SHEET 36 OF 52 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	127
CONTRACT NO. 60Y00				

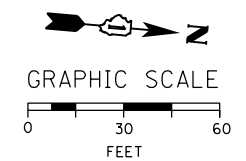
ILLINOIS FED. AID PROJECT

**NOTES:**

1. SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS.
2. SEE THE ITS DRAWINGS FOR ADDITIONAL INFORMATION REGARDING THE PERMANENT FEED TO THE COMMUNICATIONS SHELTER.



NO WORK ON THIS SHEET



RL-37

FILE PATH = p:\AECOM\NA-AWS\ecommon\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\_Phase\_1\000\_CAD\01E\_Electrical\Sheets\60Y00\_Contract\0160Y00-sht-Light-37



D160Y00-sht-Light-37  
 USER NAME = myersc  
 PLOT SCALE = 60.0000' / in.  
 PLOT DATE = 1/24/2020

DESIGNED - WDS	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 1/29/2020	REVISED -

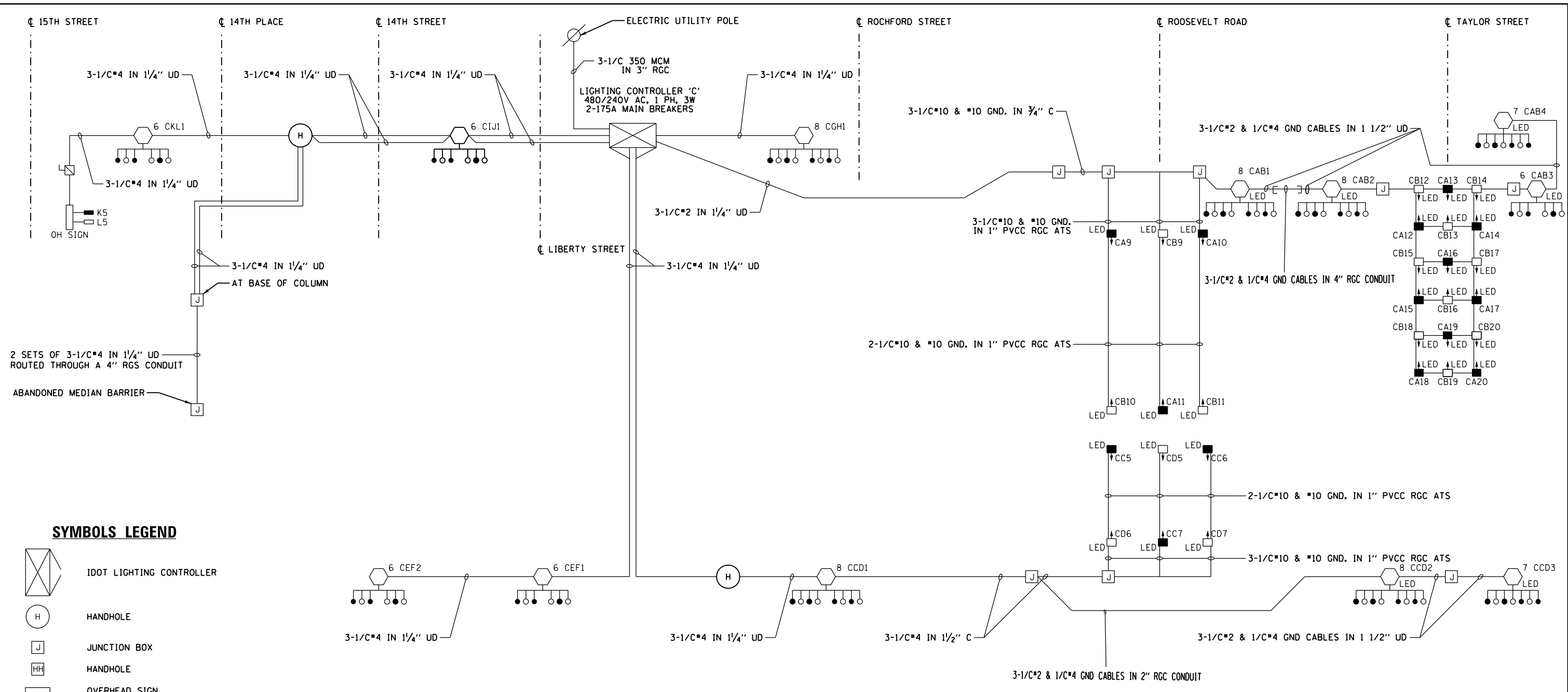
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

POWER FEED TO NEW COMMUNICATIONS HUT

SCALE: 1"=30' SHEET 37 OF 52 SHEETS STA. 6131+50 TO STA. 6144+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	128
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

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**SYMBOLS LEGEND**

- IDOT LIGHTING CONTROLLER
- HANDHOLE
- JUNCTION BOX
- HANDHOLE
- OVERHEAD SIGN
- DISCONNECT SWITCH
- UNDERPASS LIGHTING UNIT  
55 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- HIGH MAST LIGHT TOWER  
400 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- HIGH MAST LIGHT TOWER  
LED LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- LIGHTED OVERHEAD SIGN STRUCTURE  
WITH 170 WATT FLUORESCENT  
LUMINAIRE, QUANTITY OF  
LUMINAIRE AS REQUIRED  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- UNDERPASS LIGHTING UNIT  
LED LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)

LOAD TABLE LIGHTING CONTROLLER "C"					
CIRCUIT	BLACK PHASE		RED PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	29.93	7182	B	28.25	6780
C	22.20	5328	D	20.53	4926
E	11.40	2736	F	11.40	2736
G	7.60	1824	H	7.60	1824
I	5.70	1368	J	5.70	1368
K	6.20	1488	L	6.20	1488
M	-	-	N	-	-
O	-	-	P	-	-
TOTAL	83.0	19926	TOTAL	79.7	19122



RL-38



D160100-shr-Light-38	DESIGNED - TJL	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 1/24/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IDOT LIGHTING CONTROLLER 'C'  
WIRING DIAGRAM**

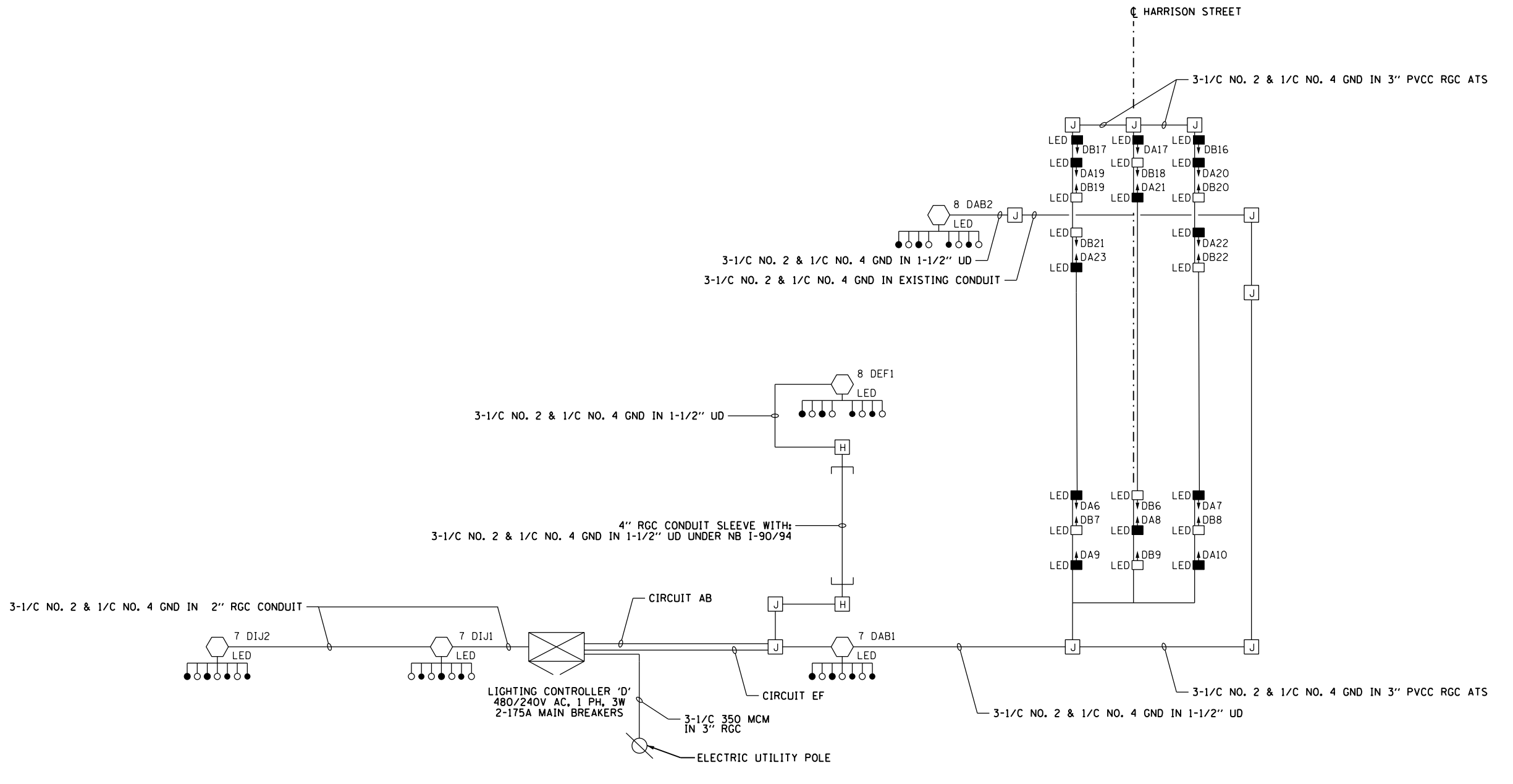
SCALE: N.T.S. SHEET 38 OF 52 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-009L	COUNTY COOK	TOTAL SHEETS 263	SHEET NO. 129
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\a\ecdm\m-n\si\ecdm\local\aedcom\ds02\mna\documents\01\americas\Transportation\60269938\_Circle Phase\1\000\_CAD\01E\Electrical\Sheets\60700\_sht-Light-39

### SYMBOLS LEGEND

- IDOT LIGHTING CONTROLLER
- HANDHOLE
- JUNCTION BOX
- HANDHOLE
- OVERHEAD SIGN
- DISCONNECT SWITCH
- UNDERPASS LIGHTING UNIT  
55 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- HIGH MAST LIGHT TOWER  
400 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- HIGH MAST LIGHT TOWER  
LED LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- LIGHTED OVERHEAD SIGN STRUCTURE  
WITH 170 WATT FLUORESCENT  
LUMINAIRE, QUANTITY OF  
LUMINAIRE AS REQUIRED  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
- PROPOSED UNDERPASS LIGHTING UNIT  
70 OR 100 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)



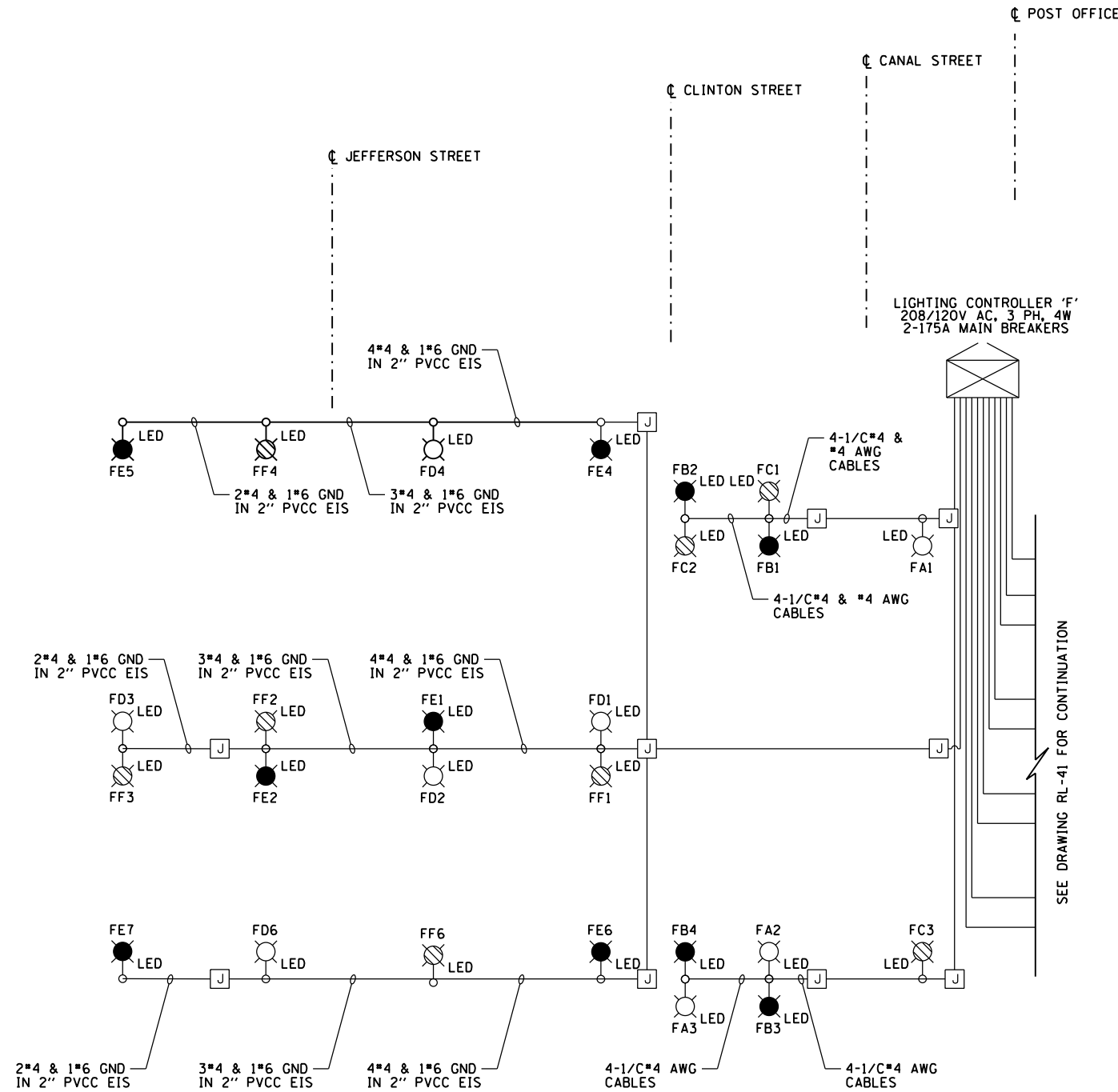
D160700-sht-Light-39	DESIGNED - TJL	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 1/24/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IDOT LIGHTING CONTROLLER 'D' WIRING DIAGRAM</b>		
SCALE: N.T.S.	SHEET 39 OF 52 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	130
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\1\000\_CAD\01E\Electrical\Sheets\60Y00\_Contract\0160Y00-sht-Light-40



**SYMBOLS LEGEND**

- IDOT LIGHTING CONTROLLER
- JUNCTION BOX
- LIGHTING UNIT (LED LUMINAIRE)  
(RED PHASE - OPEN SYMBOL  
BLACK PHASE - SOLID SYMBOL  
BLUE PHASE - STRIPED SYMBOL)
- TWIN ARM LIGHTING UNIT (LED LUMINAIRE)  
(RED PHASE - OPEN SYMBOL  
BLACK PHASE - SOLID SYMBOL  
BLUE PHASE - STRIPED SYMBOL)

**LOAD TABLE (120V)  
LIGHTING CONTROLLER "F"**

CIRCUIT	RED PHASE		CIRCUIT	BLACK PHASE		CIRCUIT	BLUE PHASE	
	AMPS	WATTS		AMPS	WATTS		AMPS	WATTS
A	5.48	657	B	7.30	876	C	5.48	657
D	9.13	1095	E	10.95	1314	F	9.13	1095
G	7.38	886	H	9.84	1181	I	9.84	1181
J	7.38	886	K	25.04	3005	L	25.04	3005
M	7.38	886	N	9.84	1181	O	9.84	1181
P	7.38	886	Q	9.84	1181	R	9.84	1181
S	-	-	T	-	-	U	-	-
V	9.44	2266	W	7.08	850	X	7.08	850
TOTAL	53.6	7,560	TOTAL	79.9	9,587	TOTAL	76.2	9,149



RL-40



D160Y00-sht-Light-40  
 USER NAME = myersc  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 1/24/2020

DESIGNED - TJL  
 DRAWN - CAM  
 CHECKED - WDS  
 DATE - 1/29/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**







**IDOT LIGHTING CONTROLLER 'F'  
WIRING DIAGRAM - PART 1**

SCALE: N.T.S. SHEET 40 OF 52 SHEETS STA. TO STA.

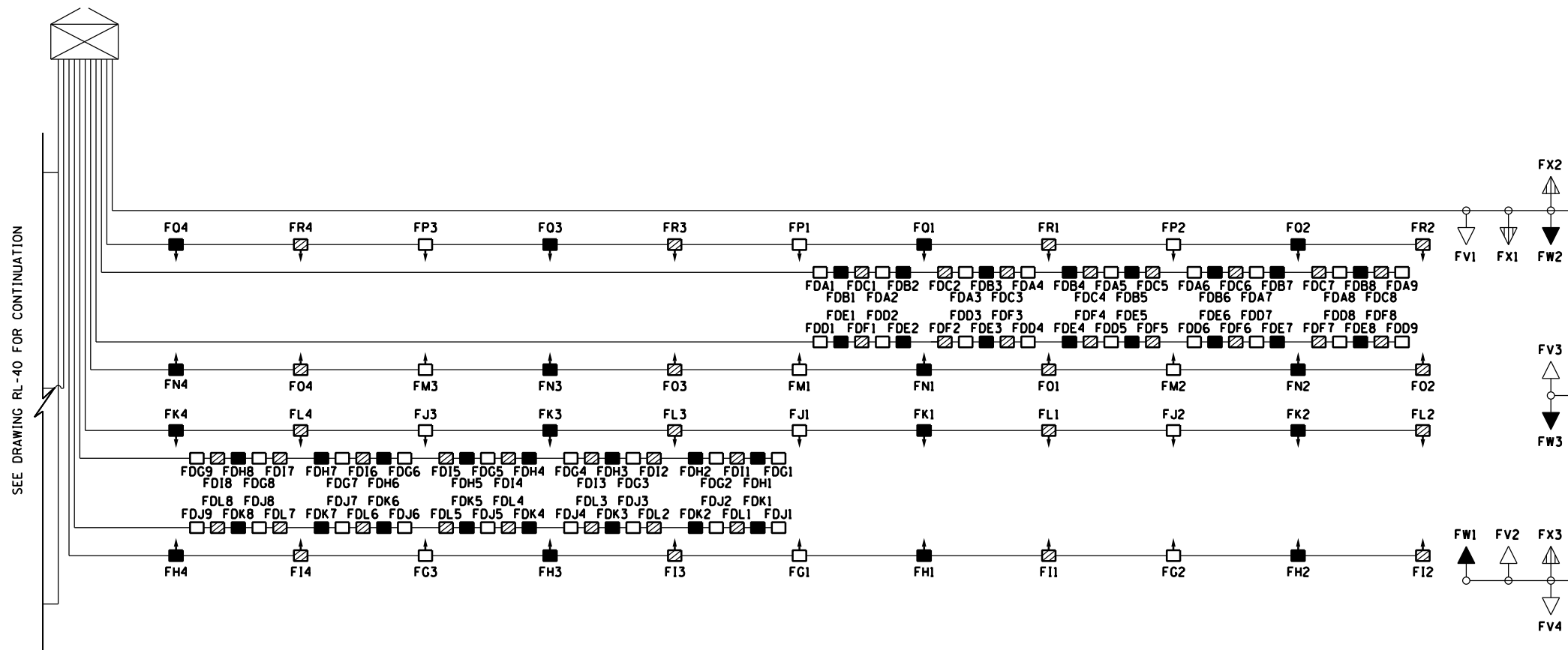
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	131
CONTRACT NO. 60Y00			ILLINOIS FED. AID PROJECT	

POST OFFICE

**SYMBOLS LEGEND**

-  IDOT LIGHTING CONTROLLER
-  JUNCTION BOX
-  LIGHTING UNIT (200W LUMINAIRE)  
(RED PHASE - OPEN SYMBOL  
BLACK PHASE - SOLID SYMBOL  
BLUE PHASE - STRIPED)
-  TWIN ARM LIGHTING UNIT (200W LUMINAIRE)  
(RED PHASE - OPEN SYMBOL  
BLACK PHASE - SOLID SYMBOL  
BLUE PHASE - STRIPED)
-  UNDERPASS LIGHTING UNIT  
400 WATT HPS LUMINAIRE  
(RED PHASE - OPEN SYMBOL  
BLACK PHASE - SOLID SYMBOL  
BLUE PHASE - STRIPED)
-  UNDERPASS LIGHTING UNIT  
55 WATT LPS LUMINAIRE  
(RED PHASE - OPEN SYMBOL  
BLACK PHASE - SOLID SYMBOL  
BLUE PHASE - STRIPED)

LIGHTING CONTROLLER 'F'  
208/120V AC, 3 PH, 4W  
2-175A MAIN BREAKERS



**NOTES:**

1. NO WORK SHOWN ON THIS SHEET. FOR INFORMATION ONLY.

LOAD TABLE (120V) LIGHTING CONTROLLER "F"								
CIRCUIT	RED PHASE		CIRCUIT	BLACK PHASE		CIRCUIT	BLUE PHASE	
	AMPS	WATTS		AMPS	WATTS		AMPS	WATTS
DA	34.2	4104	DB	30.4	3648	DC	30.4	3648
DD	34.2	4104	DE	30.4	3648	DF	30.4	3648
DG	34.2	4104	DH	30.4	3648	DI	30.4	3648
DJ	34.2	4104	DK	30.4	3648	DL	30.4	3648
<b>TOTAL</b>	<b>136.8</b>	<b>16,416</b>	<b>TOTAL</b>	<b>121.6</b>	<b>14,592</b>	<b>TOTAL</b>	<b>121.6</b>	<b>14,592</b>



RL-41

FILE PATH = p:\aecom\ms-ansi\ecommon\local\aecom\ds02\_ma\documents\americas\transportation\60269938\_Circle Phase\11000\_CAD\01E.Electrical\Sheets\60Y00\_Contract\0160Y00-sht-Light-41



D160Y00-sht-Light-41  
USER NAME = myersc  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 1/24/2020

DESIGNED - WDS  
DRAWN - CAM  
CHECKED - WDS  
DATE - 1/29/2020







STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

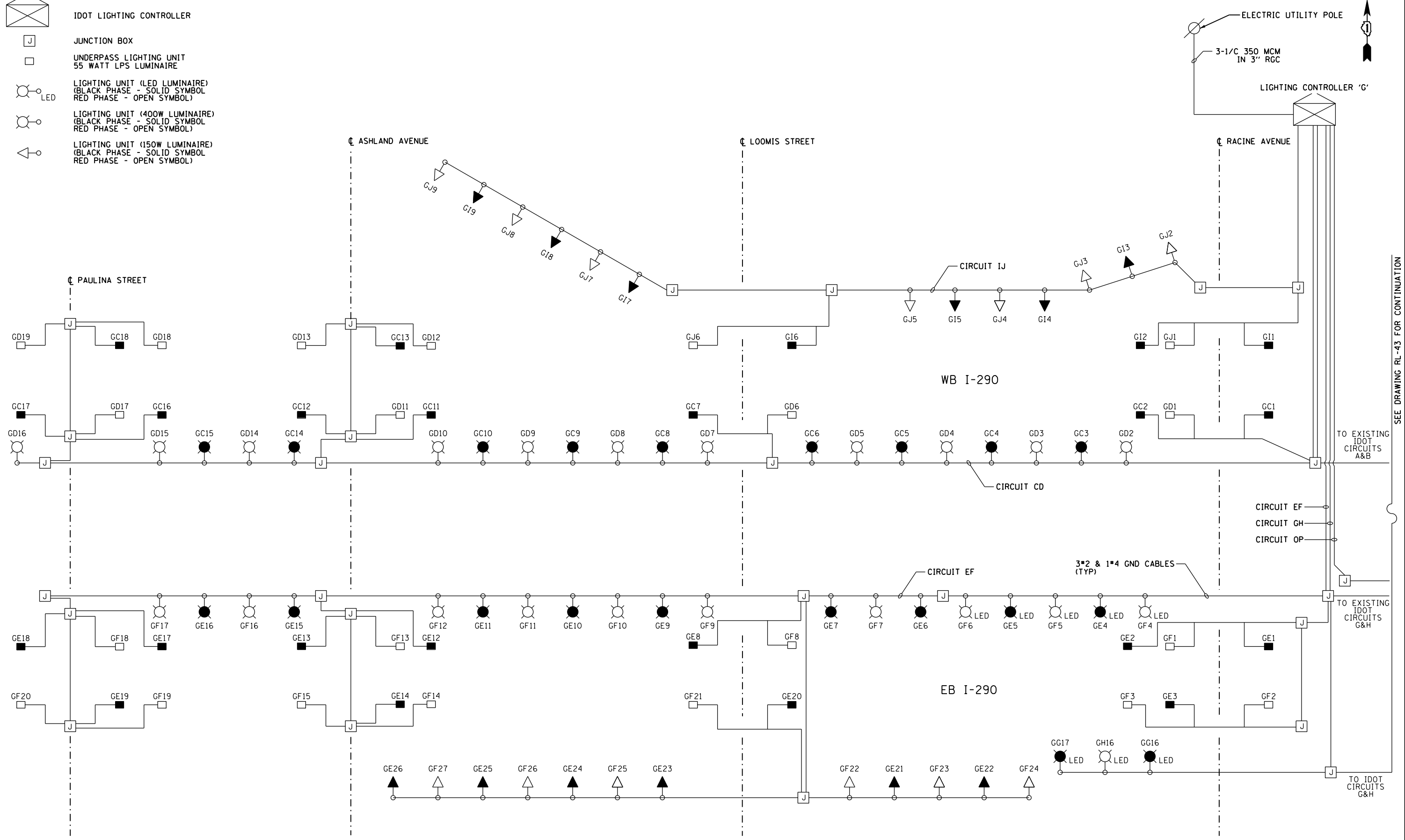
IDOT LIGHTING CONTROLLER 'F'  
WIRING DIAGRAM - PART 2  
SCALE: N.T.S. SHEET 41 OF 52 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	132
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				



**SYMBOLS LEGEND**

-  IDOT LIGHTING CONTROLLER
-  JUNCTION BOX
-  UNDERPASS LIGHTING UNIT  
55 WATT LPS LUMINAIRE
-  LED  
LIGHTING UNIT (LED LUMINAIRE)  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
-  LIGHTING UNIT (400W LUMINAIRE)  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
-  LIGHTING UNIT (150W LUMINAIRE)  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)



SEE DRAWING RL-43 FOR CONTINUATION

RL-42

FILE PATH = p:\aecom\m-n\m\electrical\local\AECOM\_DS02\_MN\Documents\01\_Americas\Transportation\60269938\_Circle Phase\1\000\_CAD\01E.Electrical\Sheets\60Y00\_sht-Light-42



D160Y00-sht-Light-42  
 USER NAME = myersc  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 1/24/2020

DESIGNED - WDS	REVISED -
DRAWN - CAM	REVISED -
CHECKED - WDS	REVISED -
DATE - 1/29/2020	REVISED -






**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

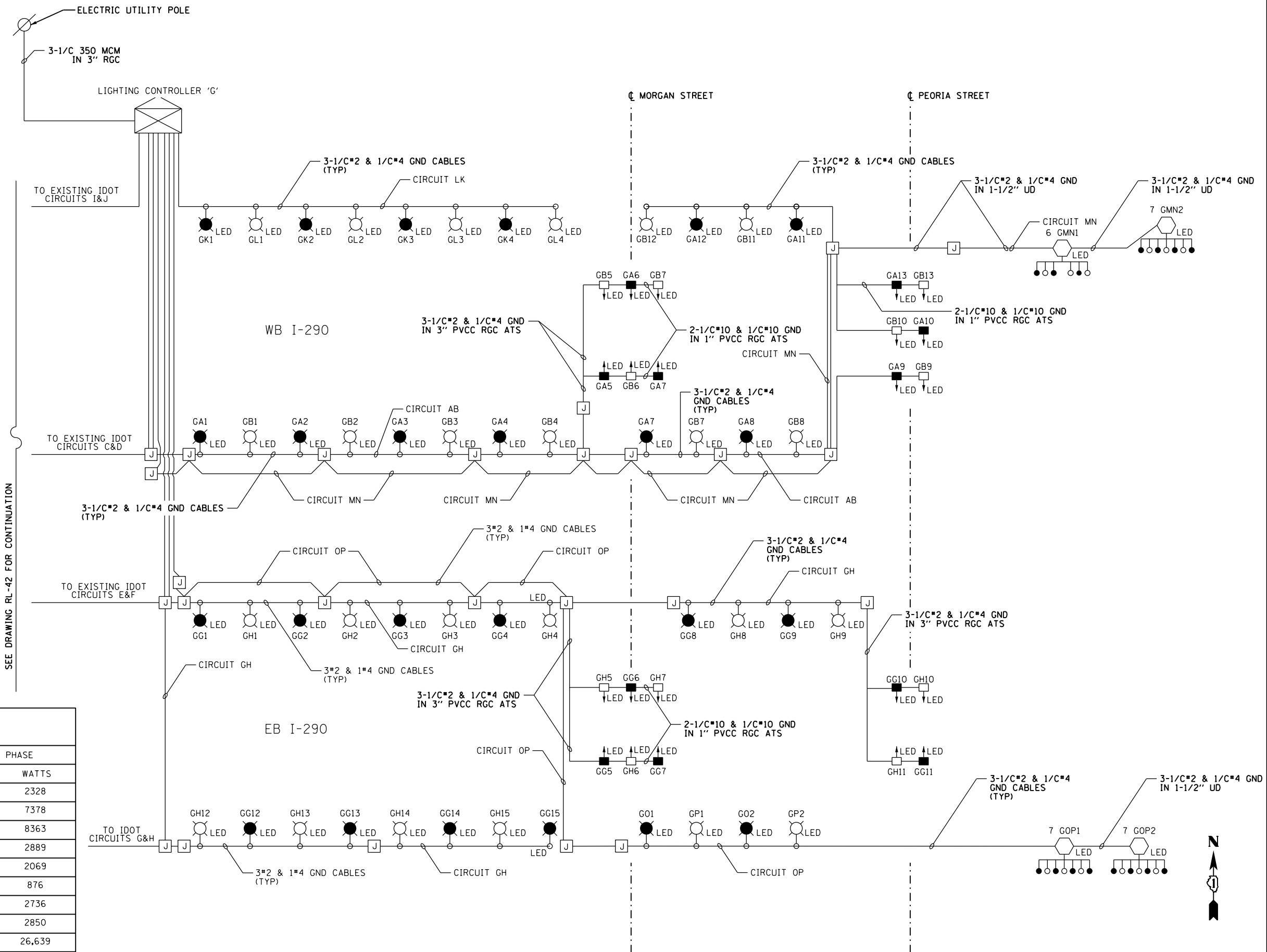
**IDOT LIGHTING CONTROLLER 'G'  
 EXISTING WIRING DIAGRAM - PART 1**

SCALE: N.T.S. SHEET 42 OF 52 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-009L	COUNTY COOK	TOTAL SHEETS 263	SHEET NO. 133
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

**SYMBOLS LEGEND**

-  IDOT LIGHTING CONTROLLER
-  JUNCTION BOX
-  UNDERPASS LIGHTING UNIT LED LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
-  LIGHTING UNIT (LED LUMINAIRE)  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
-  HIGH MAST LIGHT TOWER  
LED LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)



SEE DRAWING RL-42 FOR CONTINUATION

LOAD TABLE LIGHTING CONTROLLER "G"					
CIRCUIT	BLACK PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	9.70	2328	B	9.70	2328
C	28.17	6761	D	30.74	7378
E	33.94	8144	F	34.85	8363
G	12.95	3108	H	12.04	2889
I	8.97	2153	J	8.62	2069
K	3.65	876	L	3.65	876
M	13.30	3192	N	11.40	2736
O	15.23	3654	P	11.88	2850
<b>TOTAL</b>	<b>110.7</b>	<b>26,562</b>	<b>TOTAL</b>	<b>111.0</b>	<b>26,639</b>



RL-43

FILE PATH = p:\a\ecdm\m-n\si\elecmon\line\local\ecdm\_0502\_0A\Documents\01\_Americas\Transportation\60269938\_Circle Phase\1\000\_CAD\01E\Electrical\Sheets\60Y00-Contract\ID60Y00-sht-Light-43



D160Y00-sht-Light-43  
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 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 1/24/2020

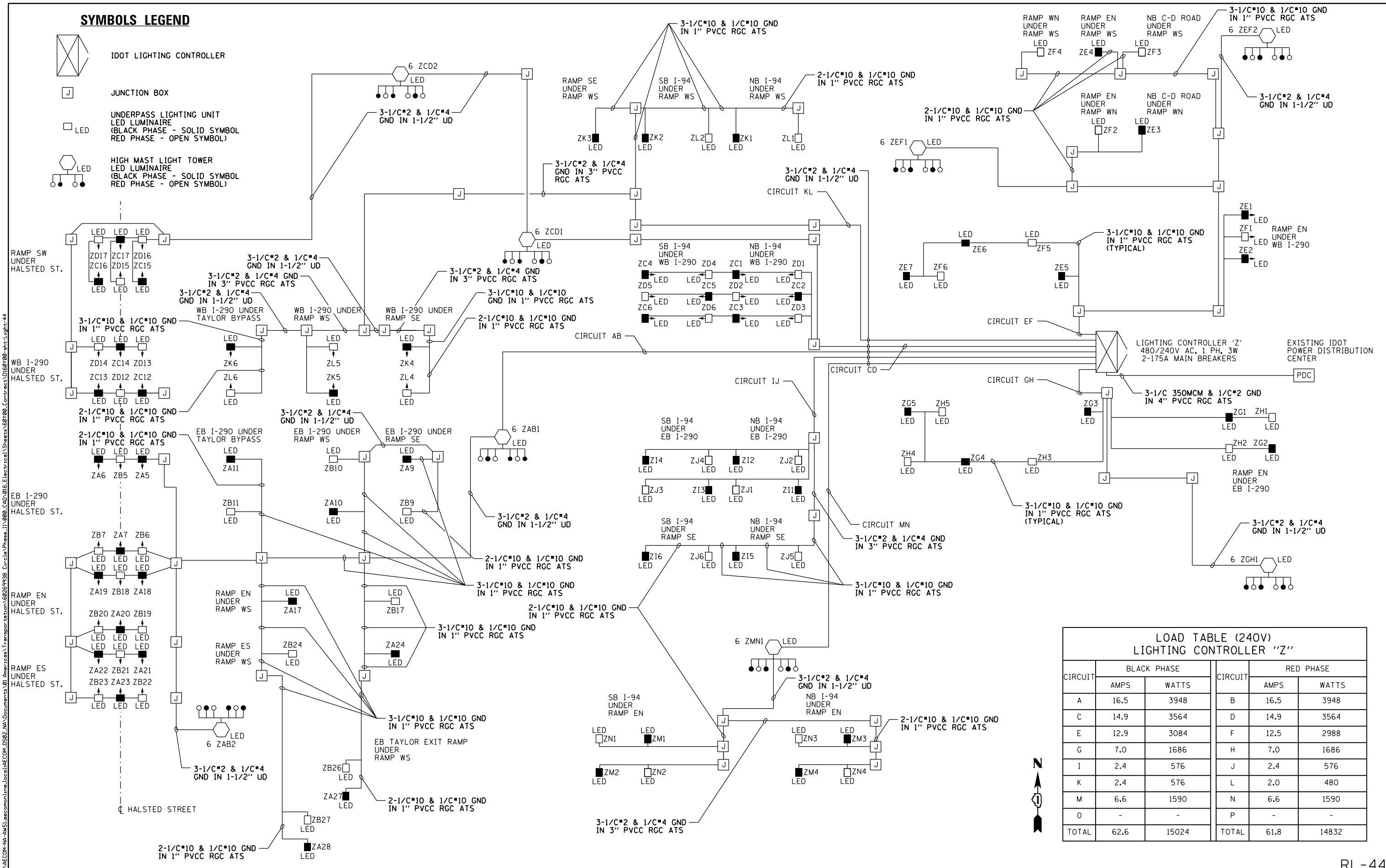
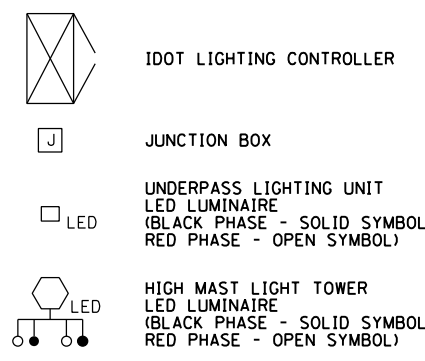
DESIGNED - WDS  
 DRAWN - CAM  
 CHECKED - WDS  
 DATE - 1/29/2020

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IDOT LIGHTING CONTROLLER 'G'  
 EXISTING WIRING DIAGRAM - PART 2  
 SCALE: N.T.S. SHEET 43 OF 52 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	134
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

**SYMBOLS LEGEND**



**LOAD TABLE (240V)  
LIGHTING CONTROLLER "Z"**

CIRCUIT	BLACK PHASE		RED PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	16.5	3948	B	16.5	3948
C	14.9	3564	D	14.9	3564
E	12.9	3084	F	12.5	2988
G	7.0	1686	H	7.0	1686
I	2.4	576	J	2.4	576
K	2.4	576	L	2.0	480
M	6.6	1590	N	6.6	1590
O	-	-	P	-	-
TOTAL	62.6	15024	TOTAL	61.8	14832



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D160Y00-sht-Light-44  
 USER NAME = myersc  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 1/24/2020

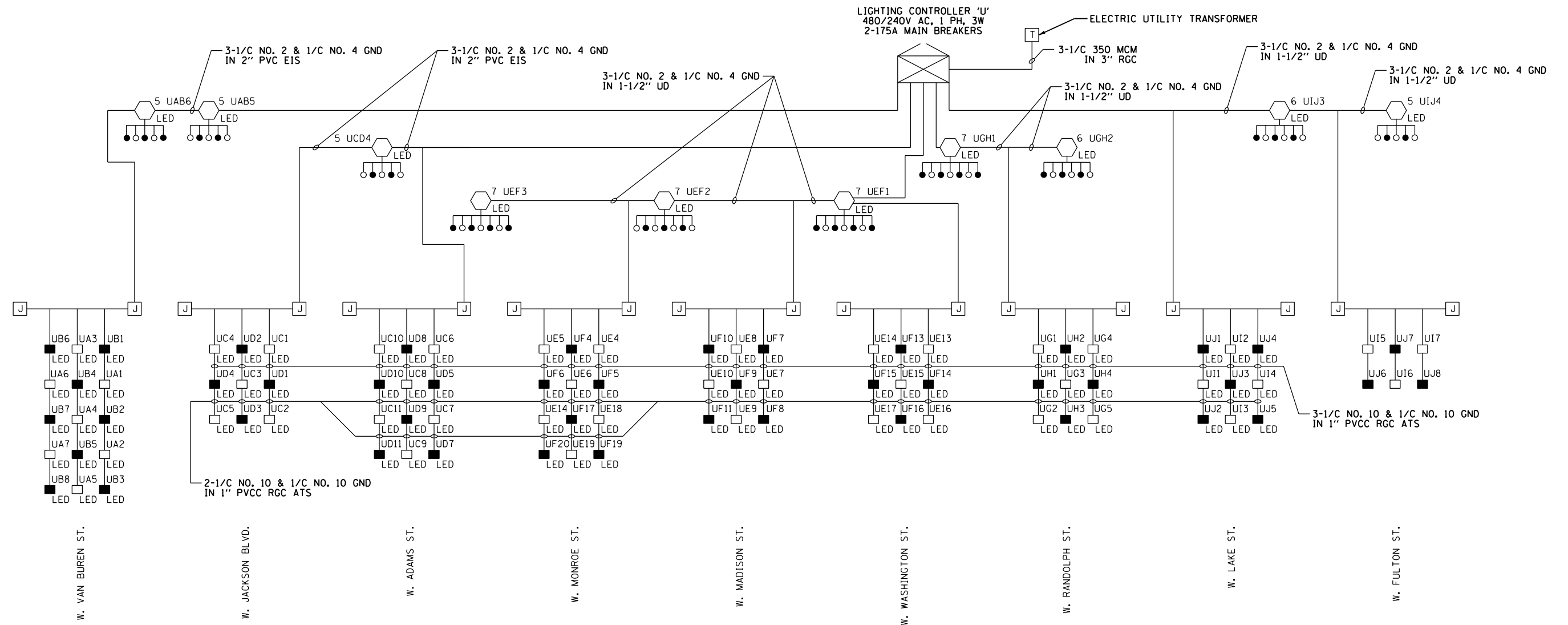
DESIGNED - WDS  
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 CHECKED - WDS  
 DATE - 1/29/2020

REVISIONS:  
 REVISIONS -  
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 REVISIONS -








**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**  
**IDOT LIGHTING CONTROLLER 'Z'  
WIRING DIAGRAM**  
 SCALE: N.T.S. SHEET 44 OF 52 SHEETS STA. TO STA.

F.A.I. R.E. SECTION COUNTY TOTAL SHEETS SHEET NO.  
 90/94/290 2014-009L COOK 263 135  
 CONTRACT NO. 60Y00 ILLINOIS FED. AID PROJECT

FILE PATH = p:\aecom\ms-ansi\encomon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\_Phase\_1\000\_CAD\01E\_Electrical\Sheets\60Y00\_Contract\ID60Y00\_sht-Light-45



**SYMBOLS LEGEND**

-  IDOT LIGHTING CONTROLLER
-  JUNCTION BOX
-  UNDERPASS LIGHTING UNIT  
55 WATT LPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
-  UNDERPASS LIGHTING UNIT  
LED LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
-  HIGH MAST LIGHT TOWER  
400 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
-  UNDERPASS LIGHTING UNIT  
LED OR LED WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
-  HIGH MAST LIGHT TOWER  
LED LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)

LOAD TABLE (240V) LIGHTING CONTROLLER "U"					
CIRCUIT	BLACK PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	11.2	2682	B	11.6	2778
C	9.4	2262	D	7.4	1764
E	24.4	5862	F	22.8	5460
G	12.1	2892	H	13.3	3198
I	15.3	3682	J	14.1	3376
K	-	-	L	-	-
M	-	-	N	-	-
O	-	-	P	-	-
TOTAL	72.4	17380	TOTAL	69.1	16576



RL-45



D160Y00-sht-Light-45  
 USER NAME = myersc  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 1/24/2020

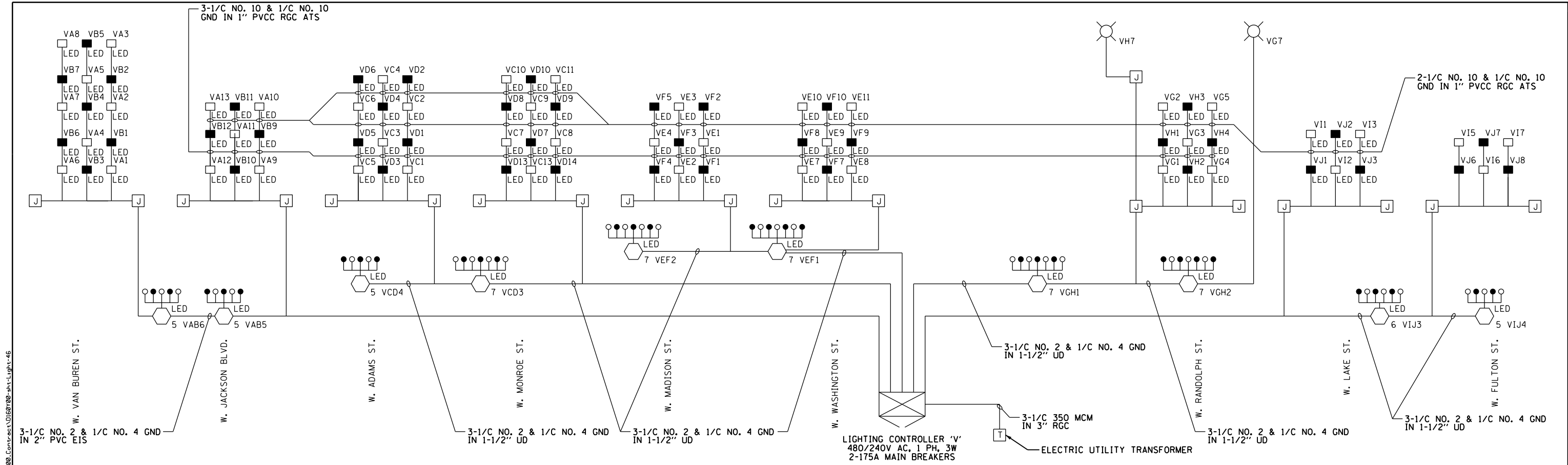
DESIGNED - WDS  
 DRAWN - CAM  
 CHECKED - WDS  
 DATE - 1/29/2020

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION








IDOT LIGHTING CONTROLLER 'U'  
 WIRING DIAGRAM

SCALE: N.T.S. SHEET 45 OF 52 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	136
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				



**SYMBOLS LEGEND**

-  IDOT LIGHTING CONTROLLER
-  JUNCTION BOX
-  UNDERPASS LIGHTING UNIT  
55 WATT LPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
-  UNDERPASS LIGHTING UNIT  
LED LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
-  HIGH MAST LIGHT TOWER  
400 WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
-  UNDERPASS LIGHTING UNIT  
LED OR LED WATT HPS LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)
-  HIGH MAST LIGHT TOWER  
LED LUMINAIRE  
(BLACK PHASE - SOLID SYMBOL  
RED PHASE - OPEN SYMBOL)

**LOAD TABLE (240V)  
LIGHTING CONTROLLER "V"**

CIRCUIT	BLACK PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	14.3	3426	B	15.6	3750
C	18.8	4500	D	17.7	4248
E	19.2	4614	F	19.2	4614
G	17.4	4175	H	17.0	4079
I	19.0	4554	J	17.3	4152
K	-	-	L	-	-
M	-	-	N	-	-
O	-	-	P	-	-
TOTAL	88.6	21269	TOTAL	86.8	20843



RL-46

FILE PATH = p:\aecom\ms-ansi\encom\line\local\AECOM\_DS02\_MA\Documents\01\_Americas\Transportation\60269938\_Circle\_Phase\_1\1000\_CAD\01E\_Electrical\Sheets\601700\_Contract\IDOT-Light-46



D160Y00-sht-Light-46  
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 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 1/24/2020

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 DATE - 1/29/2020

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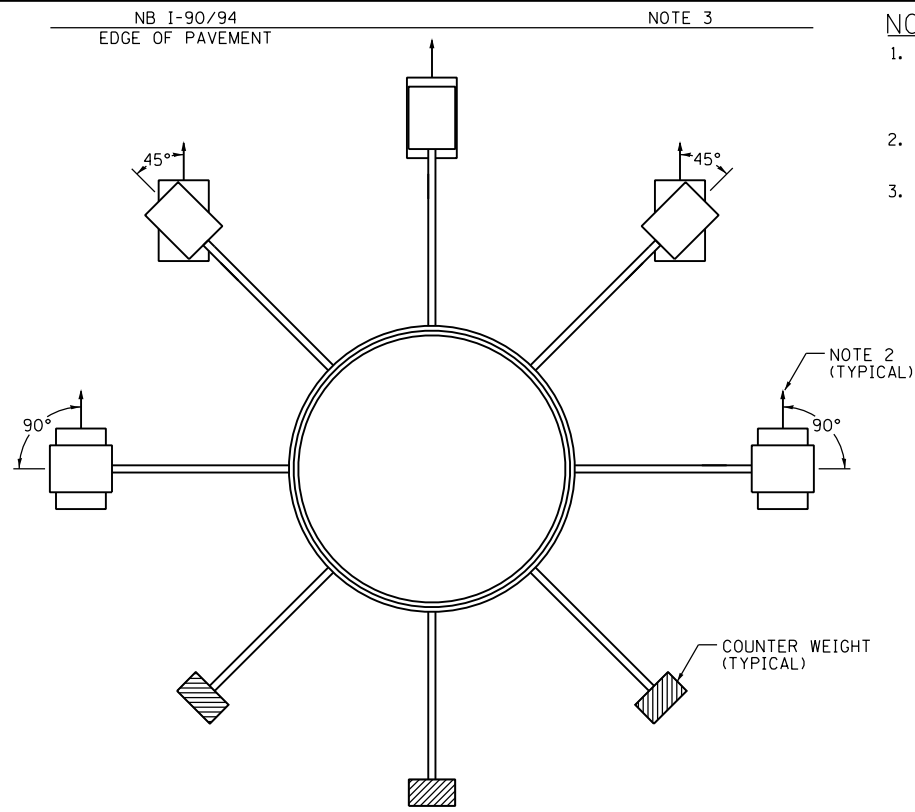
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IDOT LIGHTING CONTROLLER 'V'  
 WIRING DIAGRAM**

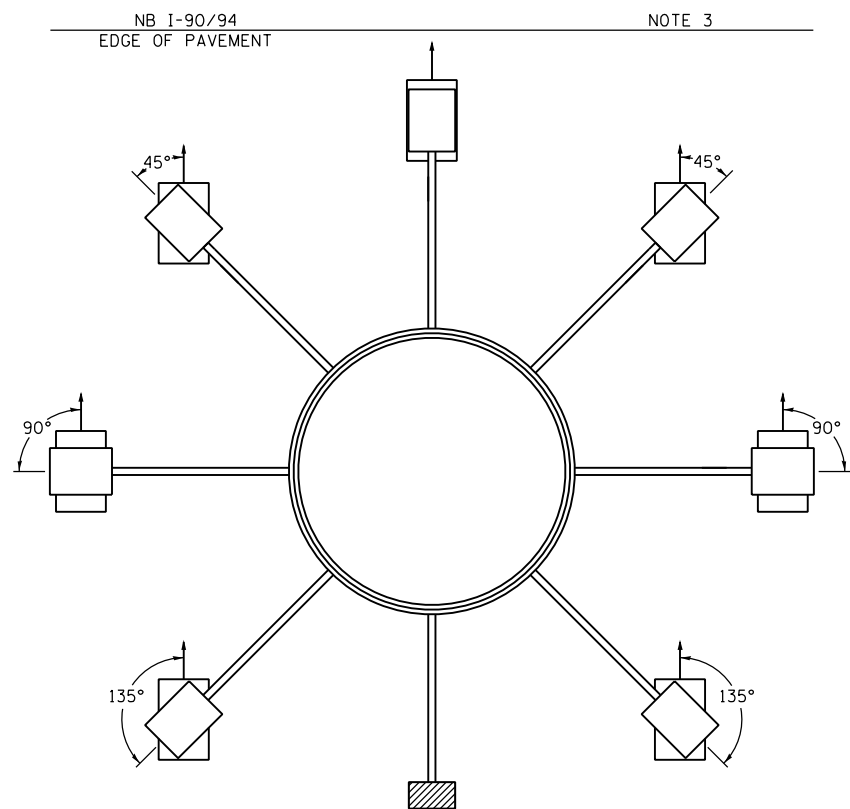
SCALE: N.T.S. SHEET 46 OF 52 SHEETS STA. TO STA.

F.A.I. R.T.E. 90/94/290	SECTION 2014-009L	COUNTY COOK	TOTAL SHEETS 263	SHEET NO. 137
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\_Phase\_1\000\_CAD\01E\_Electrical\Sheets\60Y00\_Contract\0160Y00-sht-Light-47



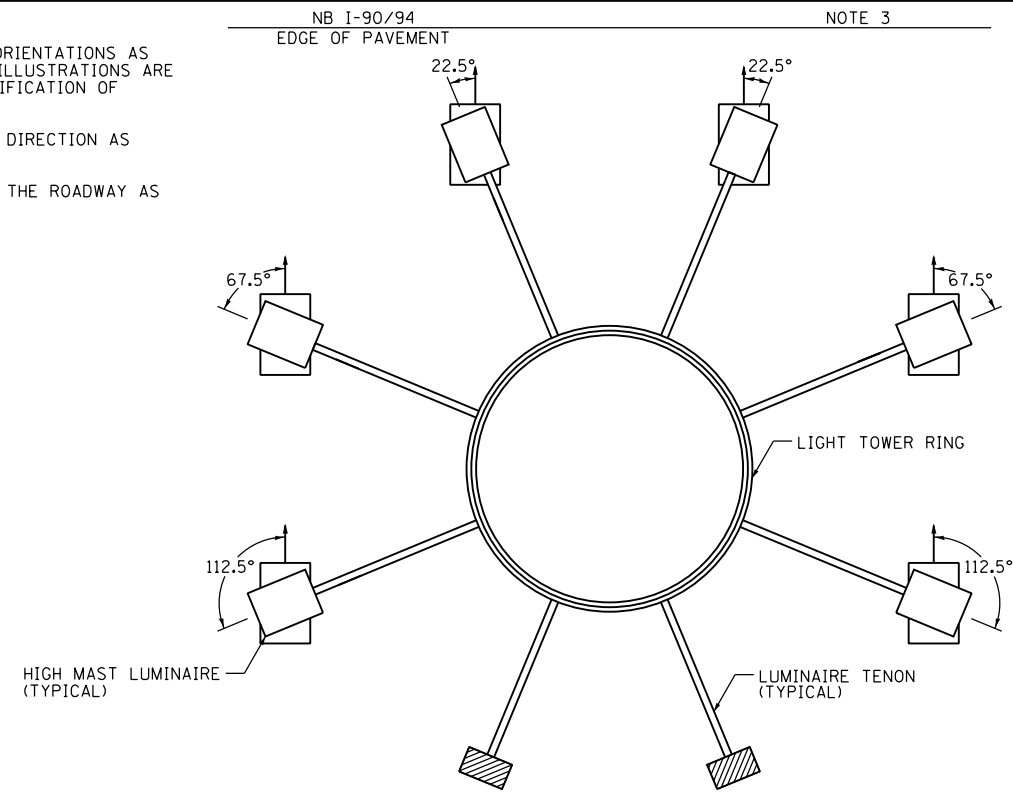
8 LUMINAIRE RING - 5 LUMINAIRES  
5 VIJ4



8 LUMINAIRE RING - 7 LUMINAIRES  
7 VGH2, 7 DAB1

**NOTES:**

1. THESE ARE THE SAME LUMINAIRE ORIENTATIONS AS INDICATED ON THE PLANS. THESE ILLUSTRATIONS ARE INTENDED TO FACILITATE THE VERIFICATION OF CONTRACT COMPLIANCE.
2. LUMINAIRE DISTRIBUTION PATTERN DIRECTION AS INDICATED BY ARROW.
3. ROTATE THE LUMINAIRES TOWARDS THE ROADWAY AS SHOWN.



8 LUMINAIRE RING - 6 LUMINAIRES  
6 VIJ3

VIEW LOOKING FROM TOP OF LIGHT TOWERS

RL-47



D160Y00-sht-Light-47  
USER NAME = myersc  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 1/24/2020

DESIGNED - TJL  
DRAWN - CAM  
CHECKED - WDS  
DATE - 1/29/2020

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REVISED -

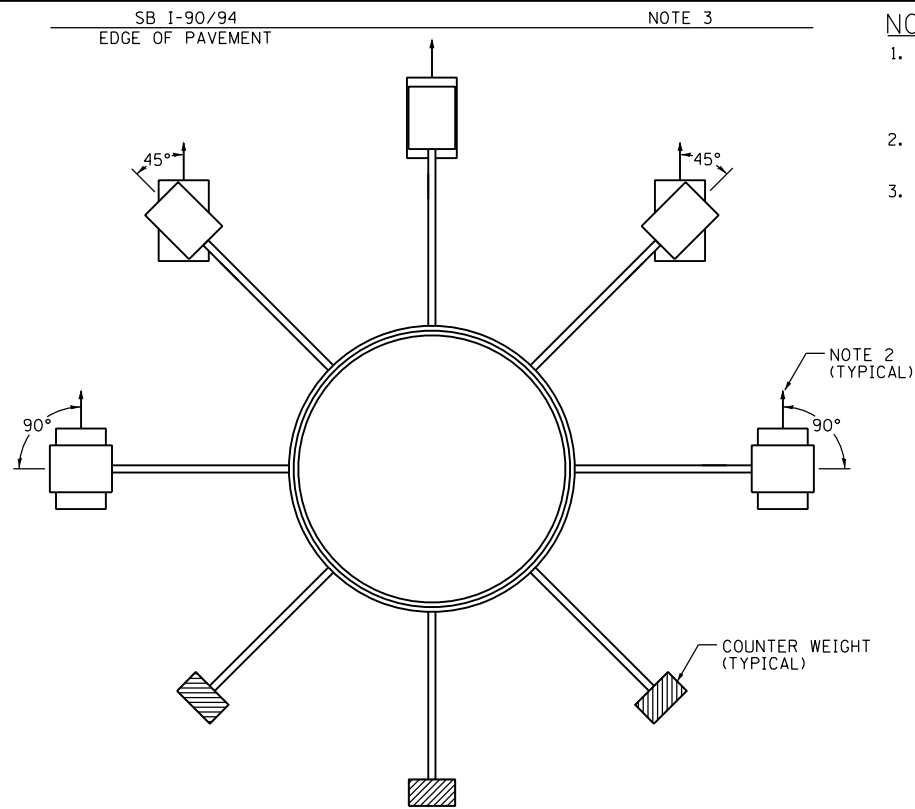
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HIGH MAST LIGHT TOWER LUMINAIRE ORIENTATION

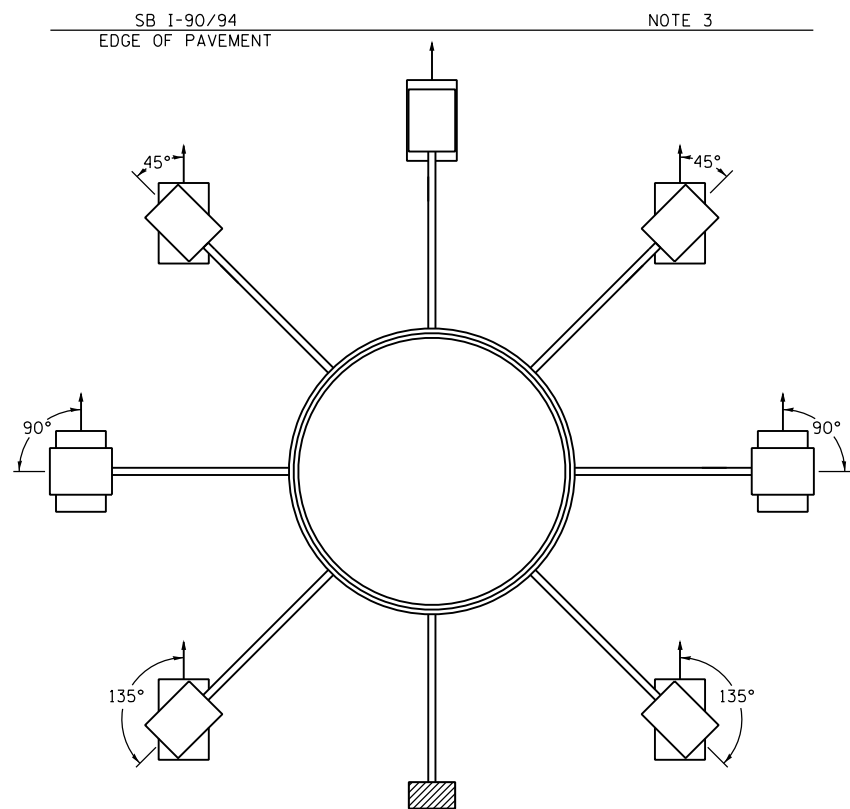
SCALE: N.T.S. SHEET 47 OF 52 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	138
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\_Phase\_1\000\_CAD\01E.Electrical\Sheets\60Y00\_Contract\0160Y00-sht-Light-48



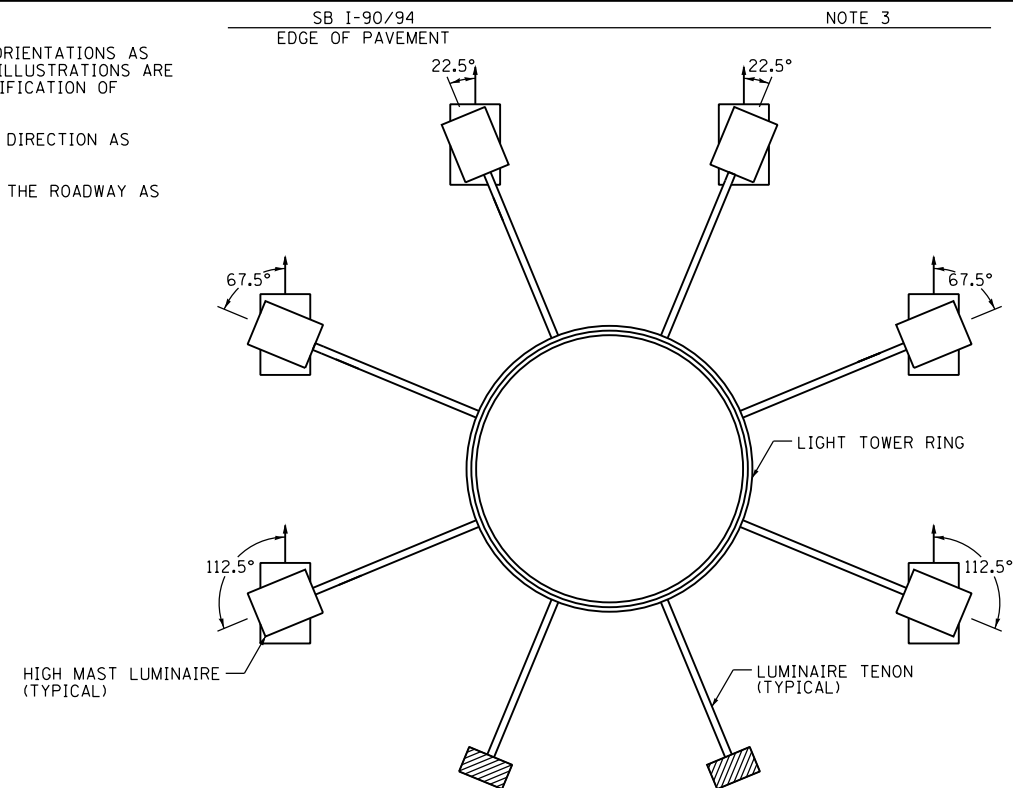
8 LUMINAIRE RING - 5 LUMINAIRES  
5 UIJ4



8 LUMINAIRE RING - 7 LUMINAIRES  
7 UGH1, 7 UEF1, 7 UEF2, 7 UEF3

**NOTES:**

1. THESE ARE THE SAME LUMINAIRE ORIENTATIONS AS INDICATED ON THE PLANS. THESE ILLUSTRATIONS ARE INTENDED TO FACILITATE THE VERIFICATION OF CONTRACT COMPLIANCE.
2. LUMINAIRE DISTRIBUTION PATTERN DIRECTION AS INDICATED BY ARROW.
3. ROTATE THE LUMINAIRES TOWARDS THE ROADWAY AS SHOWN.



8 LUMINAIRE RING - 6 LUMINAIRES  
6 UIJ3, 6 UGH2

VIEW LOOKING FROM TOP OF LIGHT TOWERS

RL-48



D160Y00-sht-Light-48  
USER NAME = myersc  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 1/24/2020

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DRAWN - CAM  
CHECKED - WDS  
DATE - 1/29/2020

REVISED -  
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REVISED -

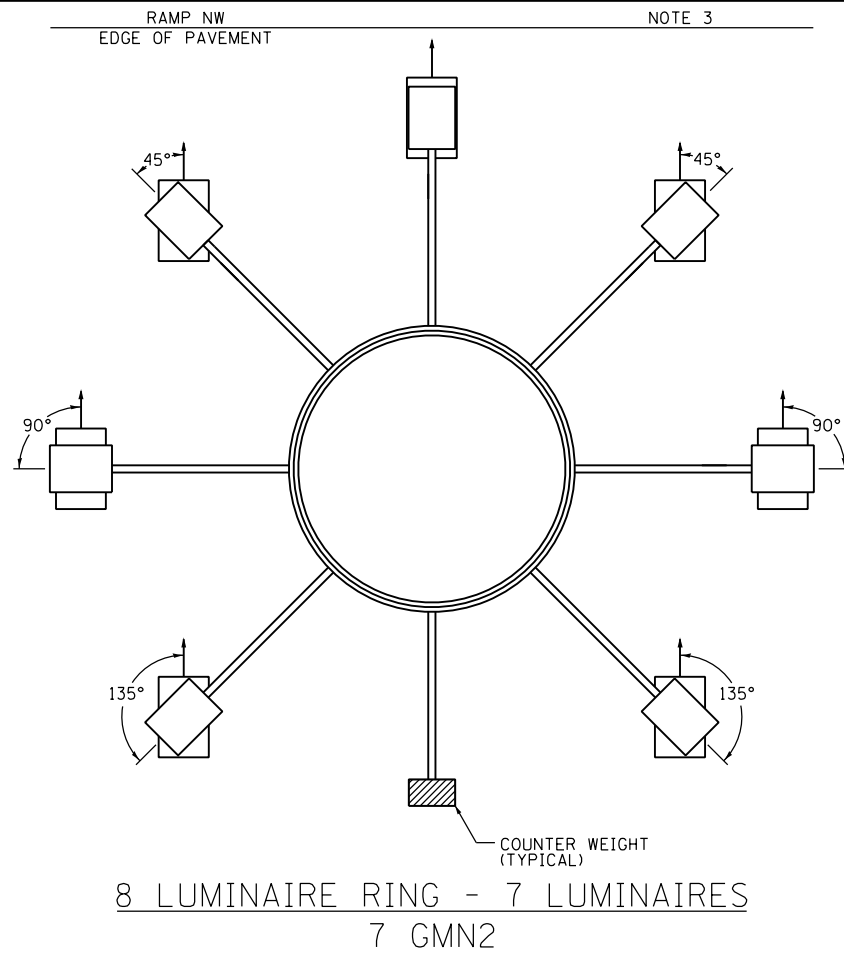
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HIGH MAST LIGHT TOWER LUMINAIRE ORIENTATION

SCALE: N.T.S. SHEET 48 OF 52 SHEETS STA. TO STA.

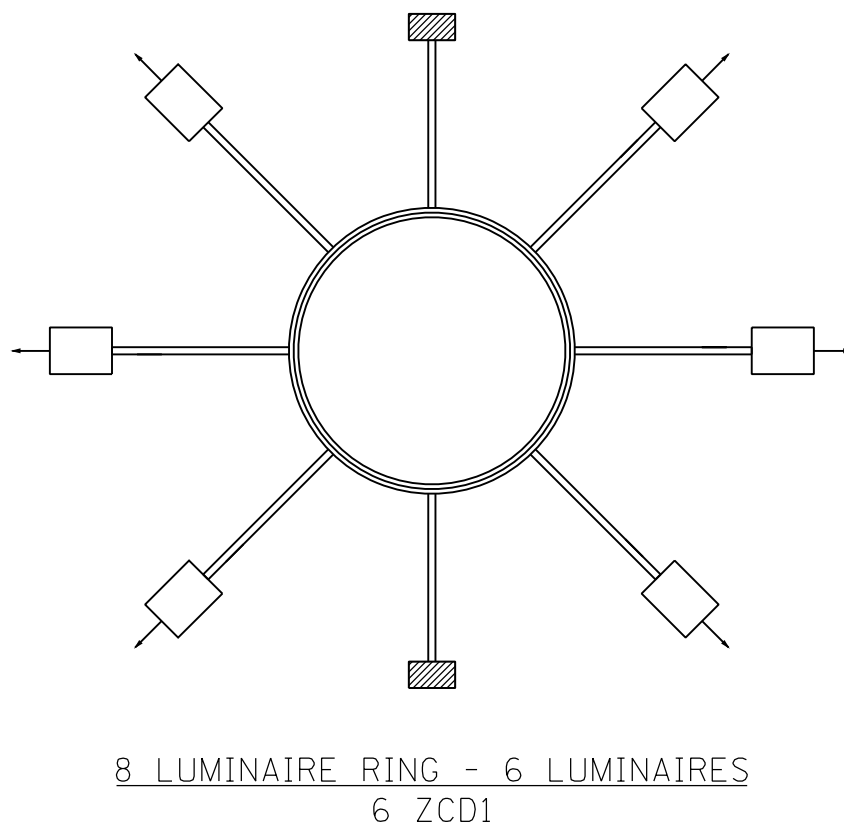
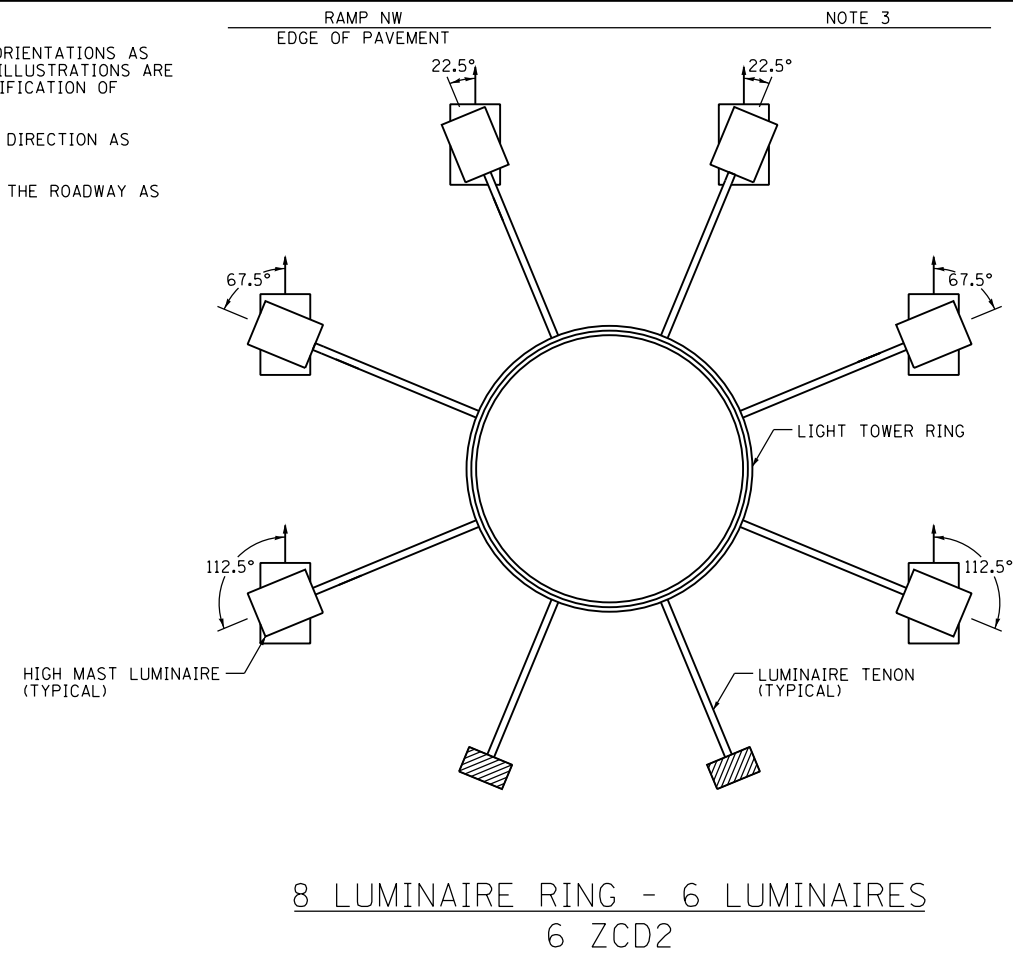
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	139
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

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**NOTES:**

1. THESE ARE THE SAME LUMINAIRE ORIENTATIONS AS INDICATED ON THE PLANS. THESE ILLUSTRATIONS ARE INTENDED TO FACILITATE THE VERIFICATION OF CONTRACT COMPLIANCE.
2. LUMINAIRE DISTRIBUTION PATTERN DIRECTION AS INDICATED BY ARROW.
3. ROTATE THE LUMINAIRES TOWARDS THE ROADWAY AS SHOWN.



VIEW LOOKING FROM TOP OF LIGHT TOWERS

RL-49



D160Y00-sht-Light-49  
USER NAME = myersc  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 1/24/2020

DESIGNED - TJL  
DRAWN - CAM  
CHECKED - WDS  
DATE - 1/29/2020

REVISED -  
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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

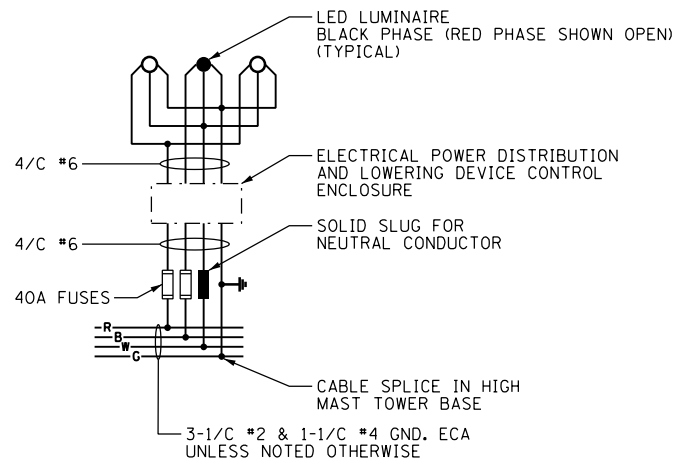
HIGH MAST LIGHT TOWER LUMINAIRE ORIENTATION

SCALE: N.T.S. SHEET 49 OF 52 SHEETS STA. TO STA.

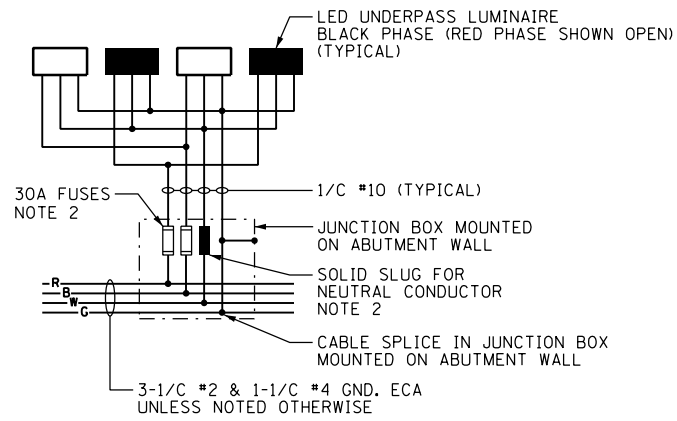
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	140
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				



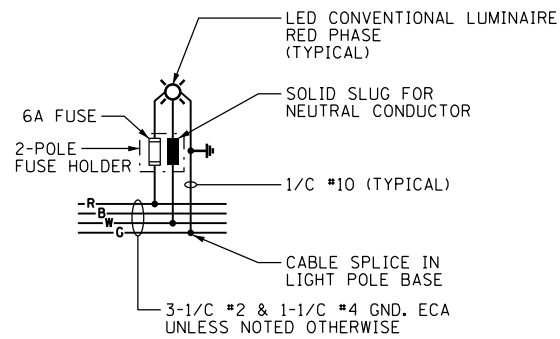
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TYPICAL HIGH MAST LIGHT TOWER WIRING DIAGRAM  
NOT TO SCALE



TYPICAL UNDERPASS LIGHTING UNIT WIRING DIAGRAM  
NOT TO SCALE



TYPICAL CONVENTIONAL LIGHTING UNIT WIRING DIAGRAM  
NOT TO SCALE

- NOTES:**
- SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS.
  - THE FUSES, FUSE HOLDERS, AND SOLID SLUGS SHALL BE PROVIDED ACCORDING TO ARTICLE 1065.01 OF THE IDOT STANDARDS. THE COST OF PROVIDING THE FUSES, FUSE HOLDERS, AND SOLID SLUGS IN THE JUNCTION BOX WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE APPROPRIATE "LUMINAIRE, LED, UNDERPASS" PAY ITEM.

RL-50



D160Y00-sht-Light-50  
 USER NAME = myersc  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 1/24/2020

DESIGNED - TJL  
 DRAWN - CAM  
 CHECKED - WDS  
 DATE - 1/29/2020

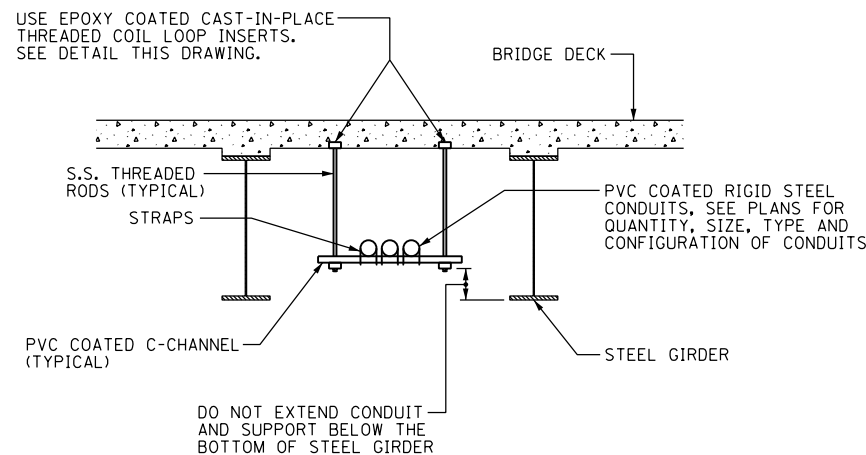
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ELECTRICAL DETAILS

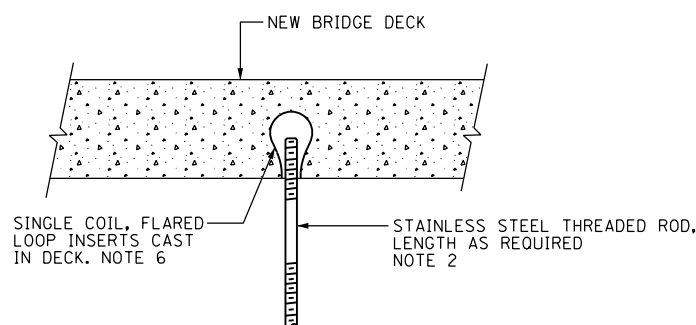
SCALE: N.T.S. SHEET 50 OF 52 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	141
CONTRACT NO. 60Y00			ILLINOIS FED. AID PROJECT	



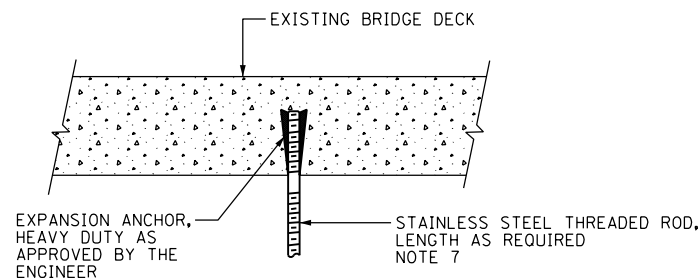
**TYPICAL CONDUIT SUPPORT ATTACHED TO BRIDGE DECK DETAIL**

SCALE: NOT TO SCALE  
NOTES 3 & 5

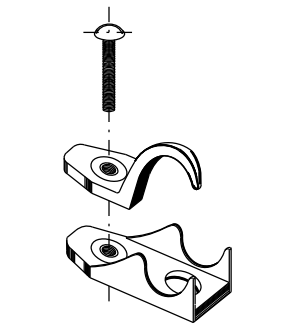


**NEW BRIDGE DECK THREADED ROD INSTALLATION ANCHOR DETAILS**

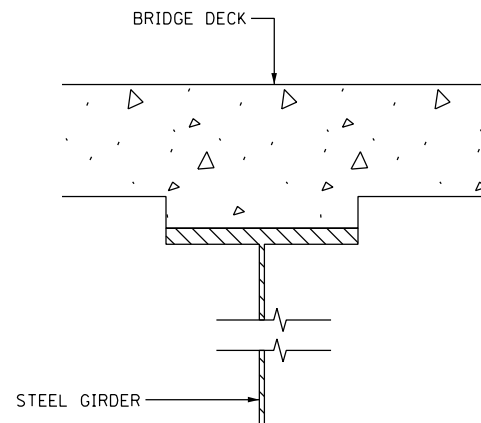
SCALE: NOT TO SCALE



**EXISTING BRIDGE DECK THREADED ROD INSTALLATION ANCHOR DETAILS**

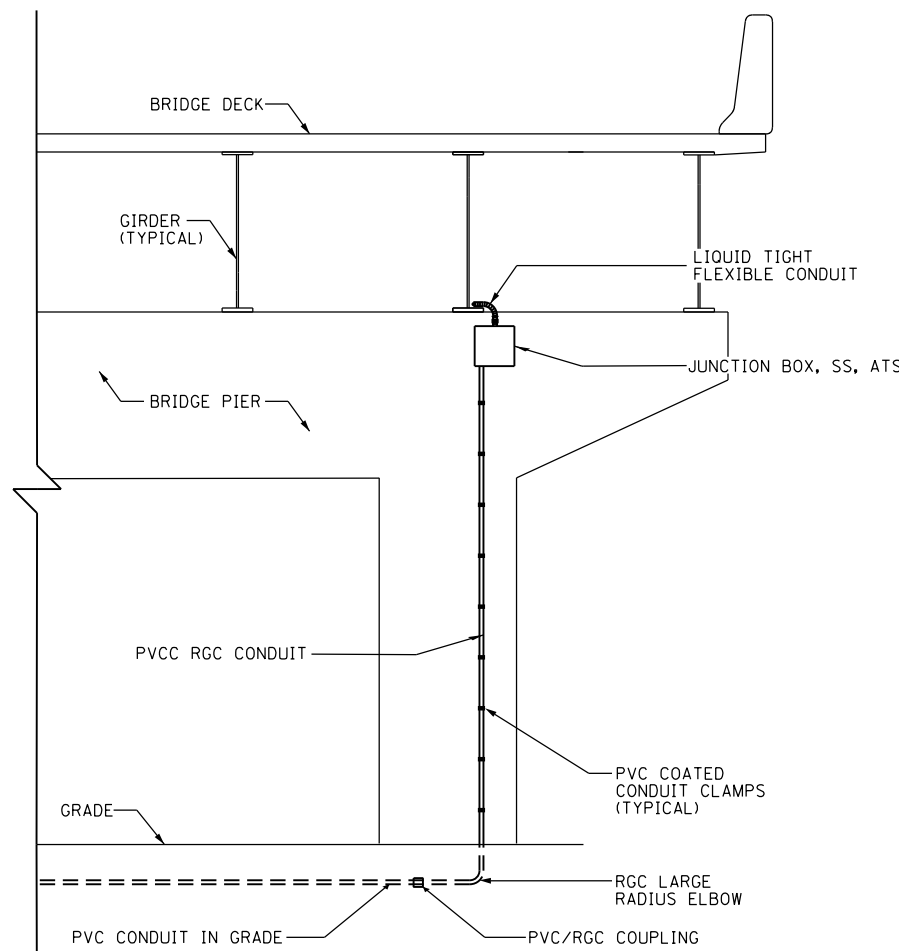


**PVC COATED CONDUIT CLAMP**  
NOT TO SCALE NOTE 7



**CONDUIT BEAM CLAMPED INSTALLATION DETAIL**

**PVC COATED CONDUIT BEAM CLAMP**  
NOT TO SCALE NOTE 7

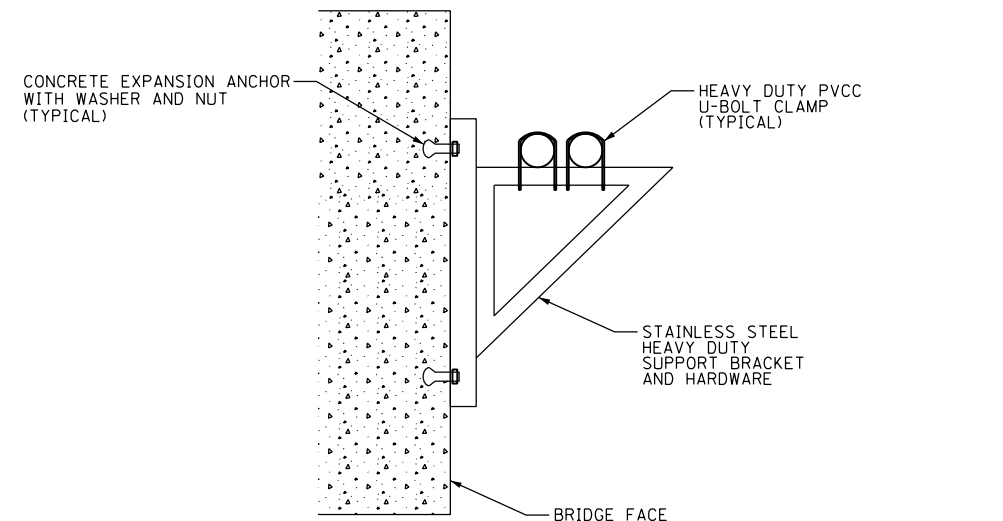


**VERTICAL CONDUIT ATTACHED TO STRUCTURE DETAIL**

NOT TO SCALE

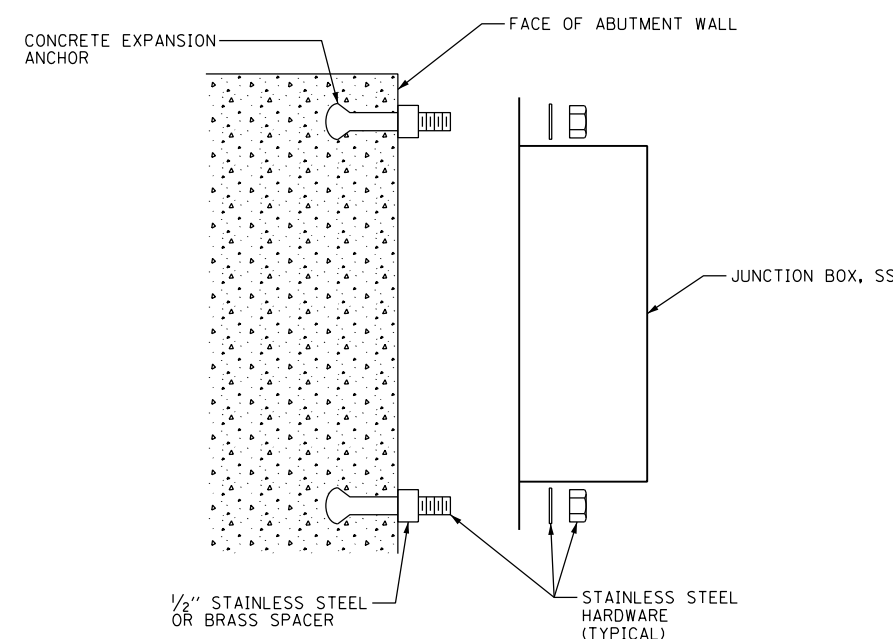
**NOTES:**

1. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE MEANS AND METHODS FOR ATTACHING CONDUITS AND JUNCTION BOXES TO A STRUCTURE. ALL WORK REQUIRED TO ATTACH CONDUIT TO STRUCTURES MUST COMPLY WITH SECTION 811 OF THE STANDARD SPECIFICATIONS AND ALL MATERIALS MUST COMPLY WITH SECTION 1088 OF THE STANDARD SPECIFICATIONS.
2. THE CONTRACTOR MUST COORDINATE THREADED ROD END SIZES WITH THE C-CHANNEL AND FLARED LOOP INSERT MANUFACTURERS.
3. THE CONDUIT SUPPORT SYSTEM ATTACHED TO THE BRIDGE STRUCTURE, INCLUDING THE CONCRETE INSERTS AND MOUNTING HARDWARE, WILL NOT BE PAID FOR SEPARATELY, AND SHALL BE INCLUDED IN THE COST FOR THE "CONDUIT ATTACHED TO STRUCTURE" PAY ITEM.
4. SEE PLAN DRAWINGS FOR THE PROPOSED CONDUIT ROUTING.
5. ALL MOUNTING HARDWARE FOR CONDUIT SUPPORTS AND PVCC RGC MUST BE PVC COATED.
6. THE CONTRACTOR MUST USE APPROVED SINGLE COIL FLARED LOOP INSERTS WHEN PENDANT MOUNTING THREADED RODS TO A NEW BRIDGE DECK. THE FLARED LOOP INSERTS MUST BE CAST INTO THE CONCRETE DECK. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING THE INSERT LOCATIONS IN THE FIELD AND COORDINATING ALL WORK WITH THE BRIDGE DECK CONSTRUCTION.
7. SECURE THE CONDUIT WITH PVC COATED CONDUIT CLAMPS OR CONDUIT BEAM CLAMPS AS SHOWN AT 5'-0" INTERVALS FOR LATERALS AND WITHIN 2'-0" MAXIMUM FROM ANY JUNCTION BOX, FLEXIBLE CONDUIT, OR CHANGE IN DIRECTION. ALL PVC COATED CONDUIT CLAMPS OR BEAM CLAMPS WILL BE INCLUDED WITH THE COST OF THE "CONDUIT ATTACHED TO STRUCTURE" PAY ITEM.
8. ALL CONDUIT ATTACHED TO STRUCTURE SHALL BE PVC COATED RIGID STEEL CONDUIT (PVCC RGC) TYPICAL.



**MOUNTING BRACKET FOR MULTIPLE CONDUITS**

NOT TO SCALE



**JUNCTION BOX MOUNTED TO STRUCTURE**

NOT TO SCALE

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D160700-sht-Light-51  
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PLOT DATE = 1/24/2020

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CHECKED - WDS	REVISED -
DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

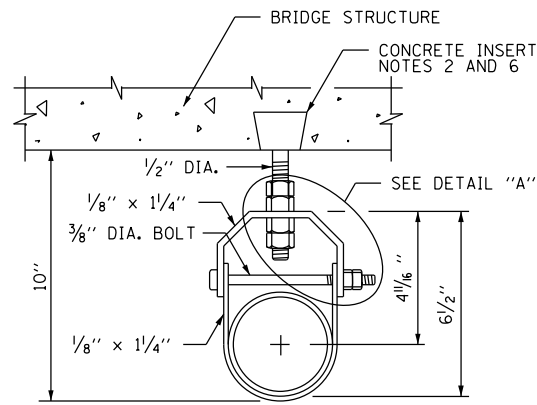
**MISCELLANEOUS ELECTRICAL DETAILS**

SCALE: N.T.S. SHEET 51 OF 52 SHEETS STA. TO STA.

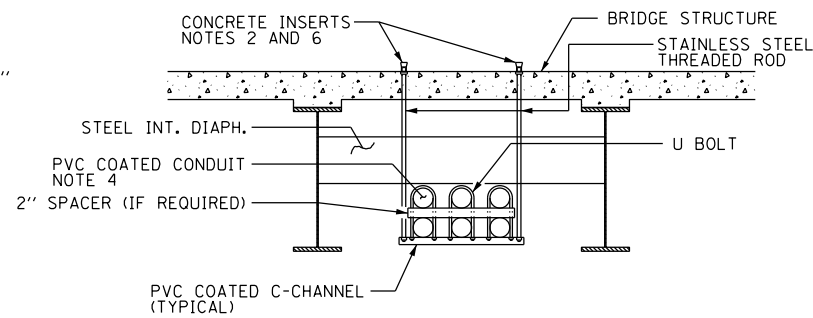
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	142
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

RL-51

FILE PATH = p:\aecom\ms-ansi\electrical\local\AECOM\_DS02\_MA\_Documents\01\_Americas\Transportation\60269938\_Circle Phase\1\000\_CAD\01E.Electrical\Sheets\60Y00\_Contract\0160Y00-sht-Light-52

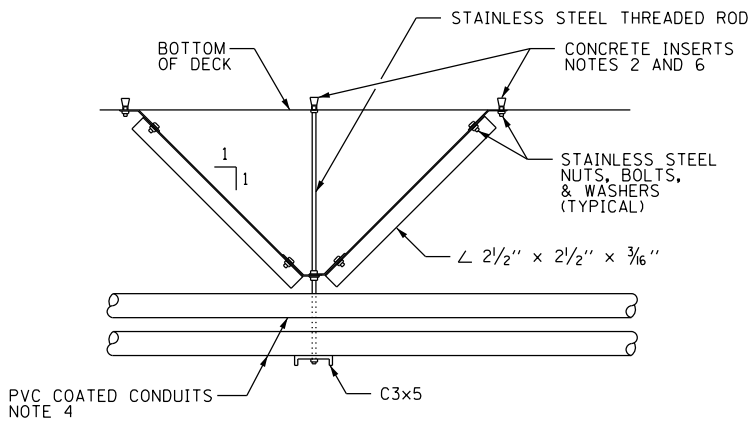


CONDUIT HANGER DETAIL



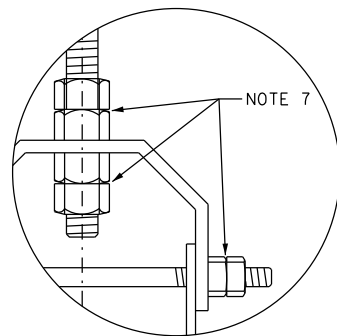
TYPICAL CONDUIT SUPPORT ATTACHED TO BRIDGE DECK WITH DIAPHRAGM DETAIL

NOTES 2 AND 3

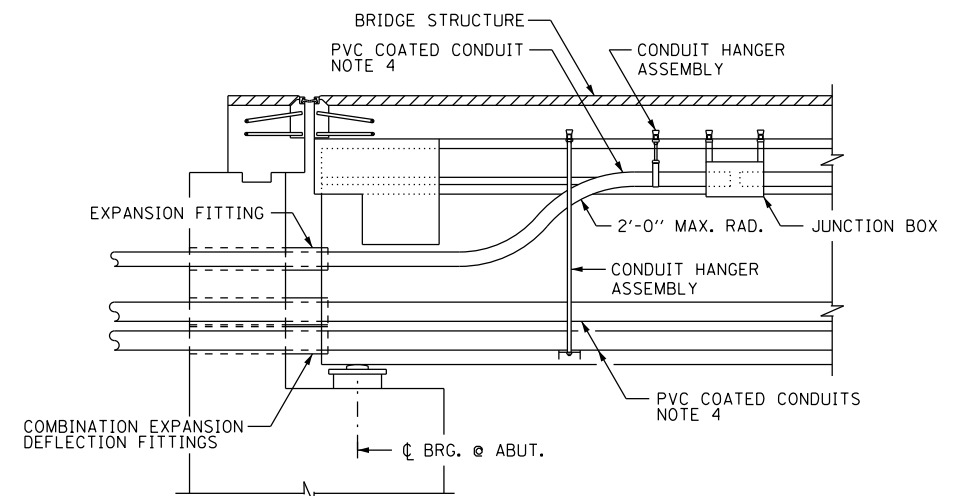


CENTERING DEVICE DETAIL - SIDE VIEW

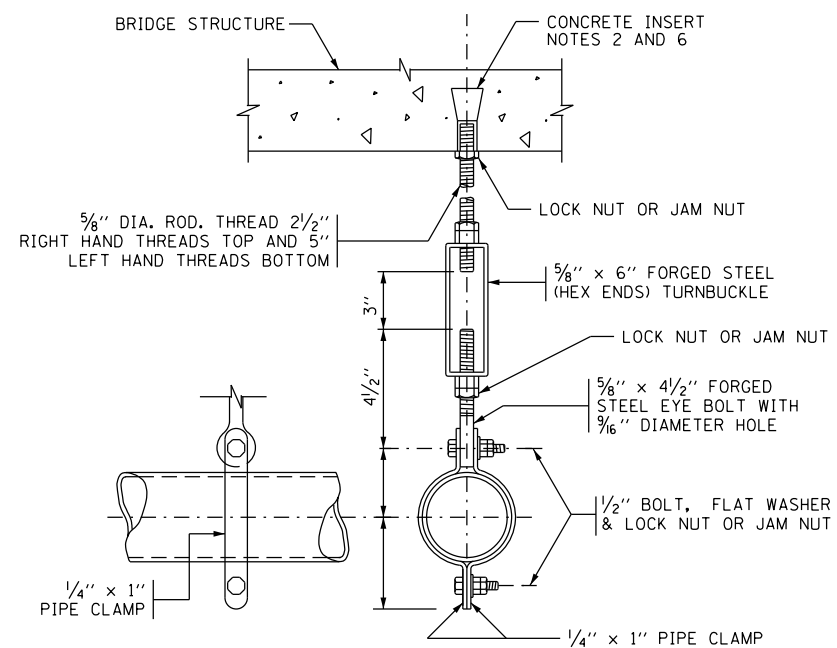
(LOCATED ONLY ON A HANGER ADJACENT TO PIER)



DETAIL "A"

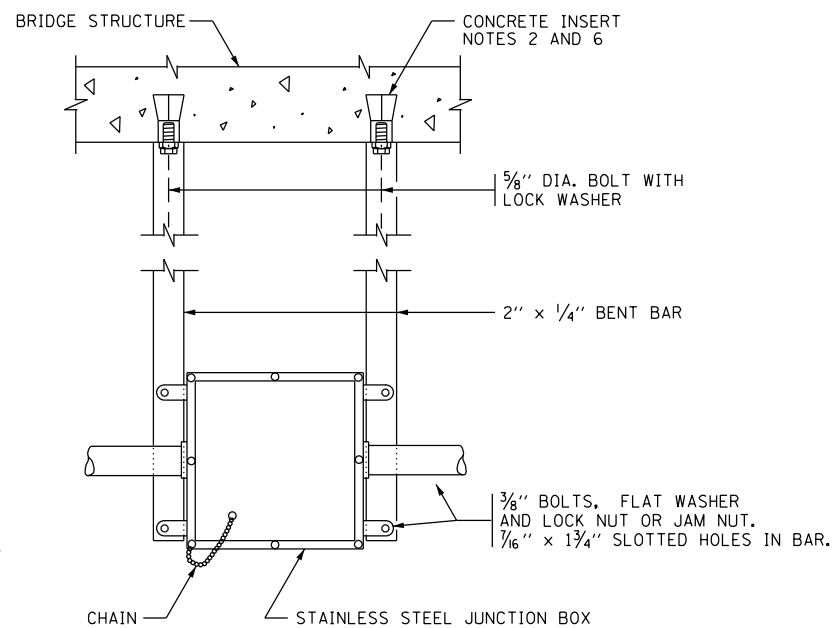


LONGITUDINAL SECTION



HANGER ASSEMBLY

EACH HANGER ASSEMBLY SHALL CONSIST OF CONCRETE INSERT, STAINLESS STEEL ROD, PIPE CLAMPS, NUTS, BOLTS, WASHERS, TURNBUCKLE AND EYE BOLT



JUNCTION BOX SUSPENDED FROM STRUCTURE DETAILS

NOTE 5

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE MEANS AND METHODS FOR ATTACHING CONDUITS AND JUNCTION BOXES TO A STRUCTURE. ALL WORK REQUIRED TO ATTACH CONDUIT TO STRUCTURES MUST COMPLY WITH SECTION 811 OF THE STANDARD SPECIFICATIONS AND ALL MATERIALS MUST COMPLY WITH SECTION 1088 OF THE STANDARD SPECIFICATIONS.
2. SEE DRAWING RL-51 FOR ADDITIONAL CONDUIT MOUNTING DETAILS AND FOR DETAILS REGARDING THE INSTALLATION OF CONCRETE INSERTS.
3. THE CONDUIT SUPPORT SYSTEM ATTACHED TO THE BRIDGE STRUCTURE, INCLUDING THE CONCRETE INSERTS AND MOUNTING HARDWARE, WILL NOT BE PAID FOR SEPARATELY, AND SHALL BE INCLUDED IN THE COST FOR THE "CONDUIT ATTACHED TO STRUCTURE" PAY ITEM.
4. SEE THE PLAN DRAWINGS FOR THE PROPOSED CONDUIT ROUTING.
5. THE JUNCTION BOX SUPPORT SYSTEM ATTACHED TO THE BRIDGE STRUCTURE, INCLUDING THE CONCRETE INSERTS AND ALL MOUNTING HARDWARE, WILL NOT BE PAID FOR SEPARATELY, AND SHALL BE INCLUDED IN THE COST FOR THE "JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE" PAY ITEM.
6. SPACE INSERTS AT 10 FOOT (MAXIMUM) CENTERS.
7. PROVIDE STAINLESS STEEL DOUBLE NUTS, JAM NUTS OR LOCK NUTS FOR THIS INSTALLATION.
8. PROVIDE CONDUIT SLEEVES IN THE BRIDGE ABUTMENT AS REQUIRED TO ROUTE THE CONDUITS THROUGH THE STRUCTURE AS SHOWN. THE DIAMETER OF THE SLEEVES SHALL BE A MINIMUM OF 2 INCHES LARGER IN DIAMETER THAN THE DIAMETER OF THE CONDUIT. PROVIDE WATERPROOF SEALANT IN THE INTERSTITIAL SPACE BETWEEN THE SLEEVE AND THE CONDUIT.

RL-52



D160Y00-sht-Light-52  
 USER NAME = myersc  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 1/24/2020

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 CHECKED - WDS  
 DATE - 1/29/2020

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 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS ELECTRICAL DETAILS

SCALE: N.T.S. SHEET 52 OF 52 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	143
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

**SEQUENCING NOTES:**

1. IMPLEMENTATION OF INTELLIGENT TRANSPORTATION SYSTEMS (ITS) TO BE PERFORMED IN COORDINATION WITH CONCURRENT CONTRACTS 60X79, 60X93, 62J31, 62A76, 62A77, AND 60X94. THESE CONTRACTS INSTALL CONDUIT, HANDHOLES/JUNCTION BOXES, ITS CABINETS, CABLING, ITS DEVICE STRUCTURES, AND OTHER INFRASTRUCTURE THAT MUST BE IN PLACE BEFORE PORTIONS OF THE WORK DESCRIBED HEREIN CAN BE COMPLETED. STAGES REFERENCED IN THESE PLANS CORRELATES TO STAGES OF CONSTRUCTION FROM THE CONCURRENT CONTRACTS.
2. ROADSIDE DETECTORS (BLUETOOTH READERS) ARE TO BE INSTALLED AND MADE OPERATIONAL AT THE LOCATIONS SHOWN BEFORE THE REMOVAL OF ANY EXISTING ITS DATA COLLECTION DEVICES IN THIS OR ANY CONCURRENT CONTRACT. ROADSIDE DETECTORS ARE NOT TO BE REMOVED UNTIL NEW DATA COLLECTION DEVICES ARE INSTALLED, OPERATIONAL, AND CONNECTED TO THE IDOT NETWORK.
3. THE NEW HALSTED (I-290) COMMUNICATIONS HUT IS TO BE INSTALLED AND MADE OPERATIONAL BEFORE NEW TRUNKLINE CABLES ARE INSTALLED.
4. NEW TRUNKLINE CABLES ARE TO BE INSTALLED AFTER THE COMPLETE TRUNKLINE CONDUIT ROUTE IS CONSTRUCTED FOR EACH LEG OF THE INTERSECTION. THIS IS EXPECTED TO OCCUR IN STAGE 4 FOR THE WEST (I-290) LEG AND SOUTH (I-90/94) LEG AND STAGE 5 FOR THE NORTH (I-90/94) LEG. NEW TRUNKLINE CABLE SHOULD BE INSTALLED AND CONNECTED TO THE NEW HALSTED COMMUNICATIONS HUT.
5. TEMPORARY BACKBONE CONDUIT AND CABLE ALONG THE WEST (I-290) LEG IS NOT TO BE REMOVED UNTIL THE PERMANENT TRUNKLINE CABLE IS INSTALLED ALONG THE WEST LEG. TEMPORARY AERIAL BACKBONE CABLE ALONG THE NORTH (I-90//94) LEG IS NOT TO BE REMOVED UNTIL PERMANENT TRUNKLINE CABLE IS IN PLACE ON THE NORTH LEG.
6. WORK THAT IMPACTS THE NORMAL OPERATION OF THE TRAFFIC MANAGEMENT OR COMMUNICATIONS SYSTEMS SHALL ONLY BE EXECUTED ON WEEKENDS FROM 10 PM FRIDAY EVENING TO 4 AM MONDAY MORNING. HOLIDAYS AND SPECIAL EVENT WEEKENDS SHALL BE EXCLUDED. THE CONTRACTOR SHALL COORDINATE AND RECEIVE PRIOR APPROVAL FROM THE ENGINEER FOR ALL WORK THAT COULD DEGRADE OR IMPAIR THE OPERATIONAL SYSTEMS. REQUESTS FOR APPROVAL SHALL BE MADE TO THE ENGINEER A MINIMUM OF 72 HOURS PRIOR TO THE ACTUAL COMMENCEMENT OF THE WORK.

**GENERAL NOTES:**

1. EXISTING/TEMPORARY ITS PLAN SHEETS DEPICT EXISTING CONDITIONS AND WORK TO BE PERFORMED TO MAINTAIN, REMOVE, SALVAGE, OR ABANDON EXISTING ITS INFRASTRUCTURE. PROPOSED ITS PLAN SHEETS DEPICT NEW ITS INFRASTRUCTURE TO BE INSTALLED. PROPOSED ITS SHEETS ALSO SHOW ITS INFRASTRUCTURE INSTALLED BY OTHERS IN CONCURRENT CONTRACTS AS EXISTING, WITH THE APPLICABLE CONTRACT NUMBER LISTED IN PARENTHESIS.
2. NOTATION FOR THE EXISTING/TEMPORARY ITS SHEETS IS AS FOLLOWS:
  - MAINTAINED = ITS INFRASTRUCTURE AND ITS OPERATION TO BE MAINTAINED THROUGH THE CONTRACT PERIOD (UNLESS OTHERWISE NOTED). THIS WORK IS TO BE PERFORMED UNDER THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
  - REMOVED = ITS INFRASTRUCTURE AND ITS OPERATION TO BE MAINTAINED UNTIL NO LONGER FEASIBLE DUE TO OTHER WORK IN THIS OR ANOTHER CONTRACT. ITEM(S) TO BE REMOVED AND DISPOSED OF WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "REMOVE EXISTING SURVEILLANCE EQUIPMENT" PAY ITEM.
  - SALVAGED = ITS INFRASTRUCTURE AND ITS OPERATION TO BE MAINTAINED UNTIL NO LONGER FEASIBLE DUE TO OTHER WORK IN THIS OR ANOTHER CONTRACT. ITEM(S) TO BE REMOVED AND TURNED OVER TO IDOT DISTRICT 1. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "REMOVE EXISTING SURVEILLANCE EQUIPMENT" PAY ITEM.
  - ABANDONED = ITS INFRASTRUCTURE AND ITS OPERATION TO BE MAINTAINED UNTIL NO LONGER FEASIBLE DUE TO OTHER WORK IN THIS OR ANOTHER CONTRACT.
3. THE EXISTING ITS INFRASTRUCTURE, AS DEPICTED ON THE PLANS, IS INTENDED TO INDICATE THE GENERAL EQUIPMENT INSTALLATIONS INVOLVED AND SHALL NOT BE CONSTRUED AS AN EXACT REPRESENTATION OF THE FIELD CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM AND ASCERTAIN THE EXACT CONDITION, SIZE, TYPE, QUANTITY, AND LOCATION OF THE EXISTING ITS EQUIPMENT IN THE FIELD. ANY DISCREPANCIES BETWEEN THE ACTUAL EXISTING ITS EQUIPMENT IN THE FIELD AND THE EXISTING ITS EQUIPMENT AS DEPICTED SHOWN ON THE PLANS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER FOR RESOLUTION. FAILURE TO VERIFY THE CONDITIONS, DIMENSIONS, AND DETAILS OF THE EXISTING ITS EQUIPMENT TO CONFIRM THAT THE NEW EQUIPMENT IS COMPATIBLE WITH THE EXISTING EQUIPMENT CAN BE PROPERLY INSTALLED AND CONNECTED AS SHOWN ON THE PLANS SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR PROVIDING SAFE, COMPLETE, AND FULLY FUNCTIONAL ITS INFRASTRUCTURE.
4. LOCATIONS SHOWN FOR PROPOSED ITS INFRASTRUCTURE ARE DIAGRAMMATIC ONLY, UNLESS STATIONING AND OFFSET VALUES ARE PROVIDED. FINAL LOCATIONS FOR PROPOSED ITS ITEMS SHALL BE AS APPROVED BY THE ENGINEER.

**ABBREVIATIONS:**

ATS	ATTACHED TO STRUCTURE
CCTV	CLOSED-CIRCUIT TELEVISION
DIA	DIAMETER
EIS	EMBEDDED IN STRUCTURE
ENC	ENCASED IN CONCRETE, REINFORCED
EX	EXISTING
GS	GALVANIZED STEEL
HDHH	HEAVY-DUTY HANDHOLE
ITS	INTELLIGENT TRANSPORTATION SYSTEM
JB	JUNCTION BOX
PVC	POLYVYNAL CHLORIDE
PVCC GS	PVC COATED GALVANIZED STEEL
SS	STAINLESS STEEL
SMF	SINGLE MODE FIBER
UG	UNDERGROUND
WVDS	WIRELESS VEHICLE DETECTION SYSTEM

FILE PATH = p:\aecom\ms-ansi\ecommon\local\AECOM\_DSO2\_IL\000\_CAD\006\_Roadway\Sheets\60Y00\_Contract\0160Y00-SHT-ITS-01



D160Y00-SHT-ITS-01	DESIGNED - PTJ	REVISED -
USER NAME = patrick.jordan	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 1/27/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ITS PLAN  
SUGGESTED STAGING AND GENERAL NOTES**

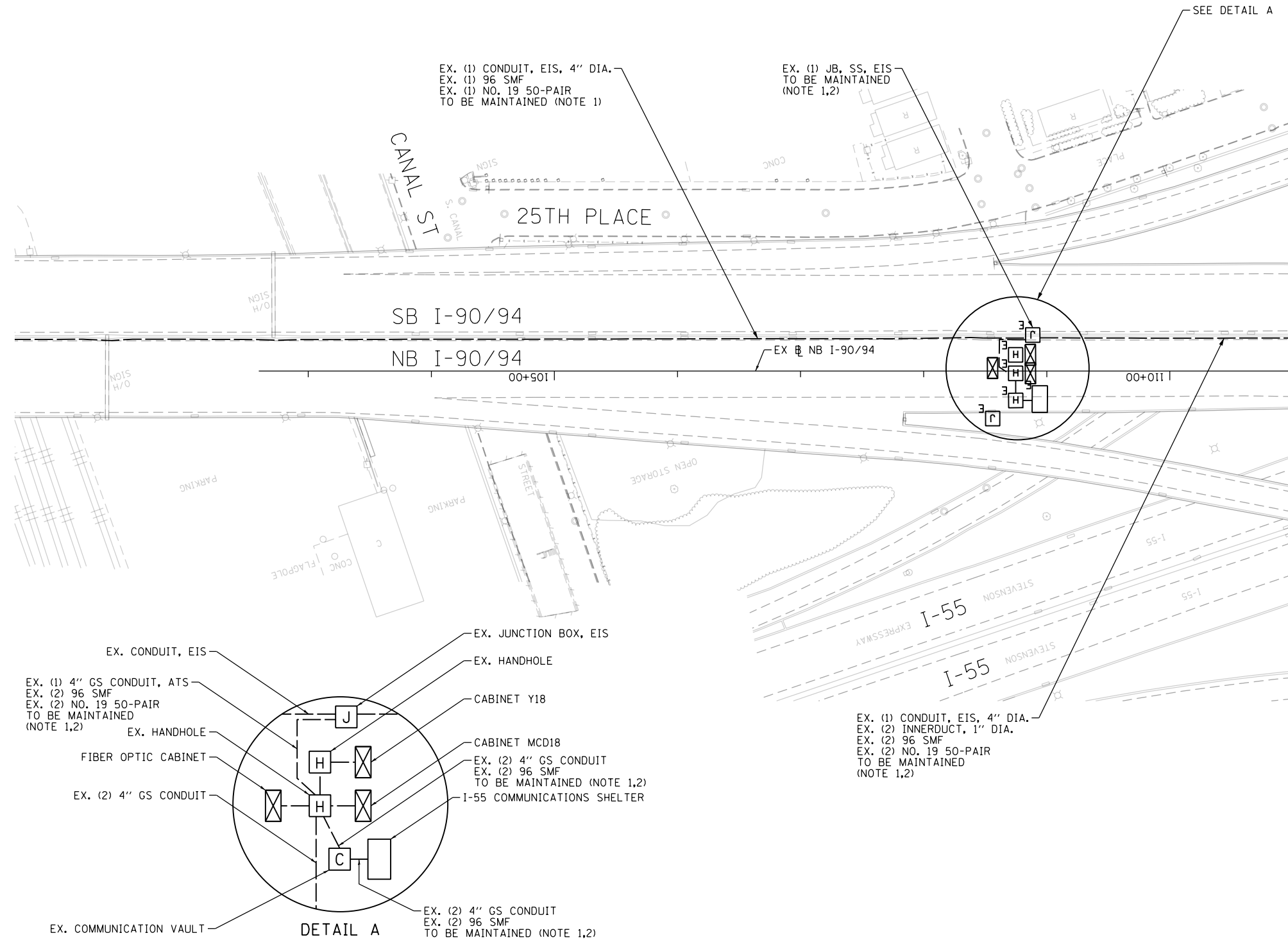
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	144
CONTRACT NO. 60Y00			ILLINOIS FED. AID PROJECT	

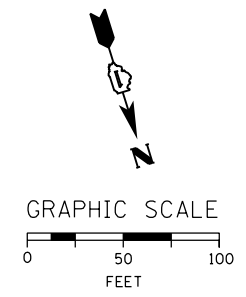
ITS-01

**NOTES:**

1. MAINTAIN THE EXISTING IDOT ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS AS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
2. REMOVE EXISTING 96 SMF CABLE BETWEEN THE I-55 COMMUNICATION HUT AND THE JUNCTION BOX AT STA. 152+10 (MAINTAIN THE EXISTING 96 SMF BETWEEN THE I-55 HUT AND PUMP STATION #29 AND THE EXISTING COPPER CABLE). THIS WORK MUST BE PERFORMED AFTER THE ALTERNATE TRUNKLINE FIBER OPTIC CABLE BETWEEN 16TH STREET AND PUMP STATION #29 IS INSTALLED AND OPERATIONAL. THIS WILL REQUIRE COORDINATION WITH CONTRACT 62A76, WHICH INSTALLS THE ALTERNATE TRUNKLINE ROUTE.



MATCH LINE STA. 111 + 00  
(SEE SHEET ITS-03)



FILE PATH = p:\AECOM\NA\NSI\ecommon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase\11000\_CAD\006\_Roadway\Sheets\60Y00\_Contract\0160Y00-shr-ITS-02

ITS-02



D160Y00-shr-ITS-02  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/26/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING MASTER ITS PLAN**

SCALE: 1"=50'    SHEET 2 OF 102 SHEETS    STA.    TO STA. 111+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	145
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. MAINTAIN THE EXISTING IDOT ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS AS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
2. REMOVE EXISTING 96 SMF CABLE BETWEEN THE I-55 COMMUNICATION HUT AND THE JUNCTION BOX AT STA. 152+10 (MAINTAIN THE EXISTING 96 SMF BETWEEN THE I-55 HUT AND PUMP STATION #29 AND THE EXISTING COPPER CABLE). THIS WORK MUST BE PERFORMED AFTER THE ALTERNATE TRUNKLINE FIBER OPTIC CABLE BETWEEN 16TH STREET AND PUMP STATION #29 IS INSTALLED AND OPERATIONAL. THIS WILL REQUIRE COORDINATION WITH CONTRACT 62A76, WHICH INSTALLS THE ALTERNATE TRUNKLINE ROUTE.

EX. (1) CONDUIT, EIS, 4" DIA.  
 EX. (2) INNERDUCT, 1" DIA.  
 EX. (2) 96 SMF  
 EX. (2) NO. 19 50-PAIR  
 TO BE MAINTAINED (NOTE 1,2)

EX. ITS CABINET DMS-08  
 TO BE MAINTAINED  
 EX. (1) JB, SS, ATS,  
 18"x18"x8"

EX. CONDUIT, UG, 2" DIA., GS  
 EX. (1) NO. 2 3/C, NO. 6 1/C  
 TO BE MAINTAINED

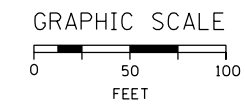
EX. PUMP STATION #29  
 TO BE MAINTAINED

EX. CONDUIT, UG, 2" DIA., GS  
 EX. (1) 96 SMF  
 EX. (1) 12 SMF  
 TO BE MAINTAINED

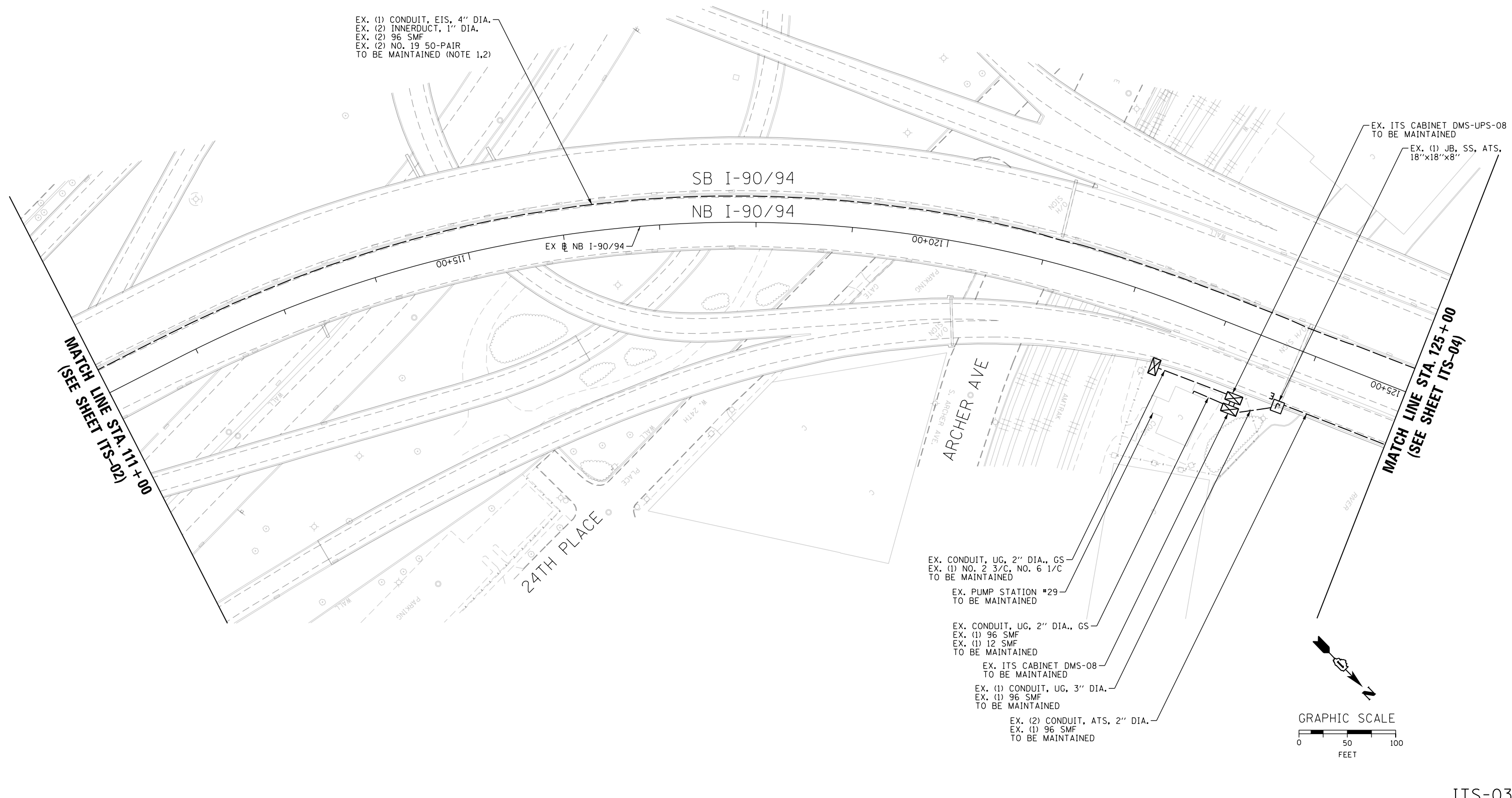
EX. ITS CABINET DMS-08  
 TO BE MAINTAINED

EX. (1) CONDUIT, UG, 3" DIA.  
 EX. (1) 96 SMF  
 TO BE MAINTAINED

EX. (2) CONDUIT, ATS, 2" DIA.  
 EX. (1) 96 SMF  
 TO BE MAINTAINED



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MATCH LINE STA. 111+00  
 (SEE SHEET ITS-02)

MATCH LINE STA. 125+00  
 (SEE SHEET ITS-04)

ITS-03



D160Y00-shr-ITS-03	DESIGNED - PTJ	REVISED -
USER NAME = patrick.jordan	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 1/26/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

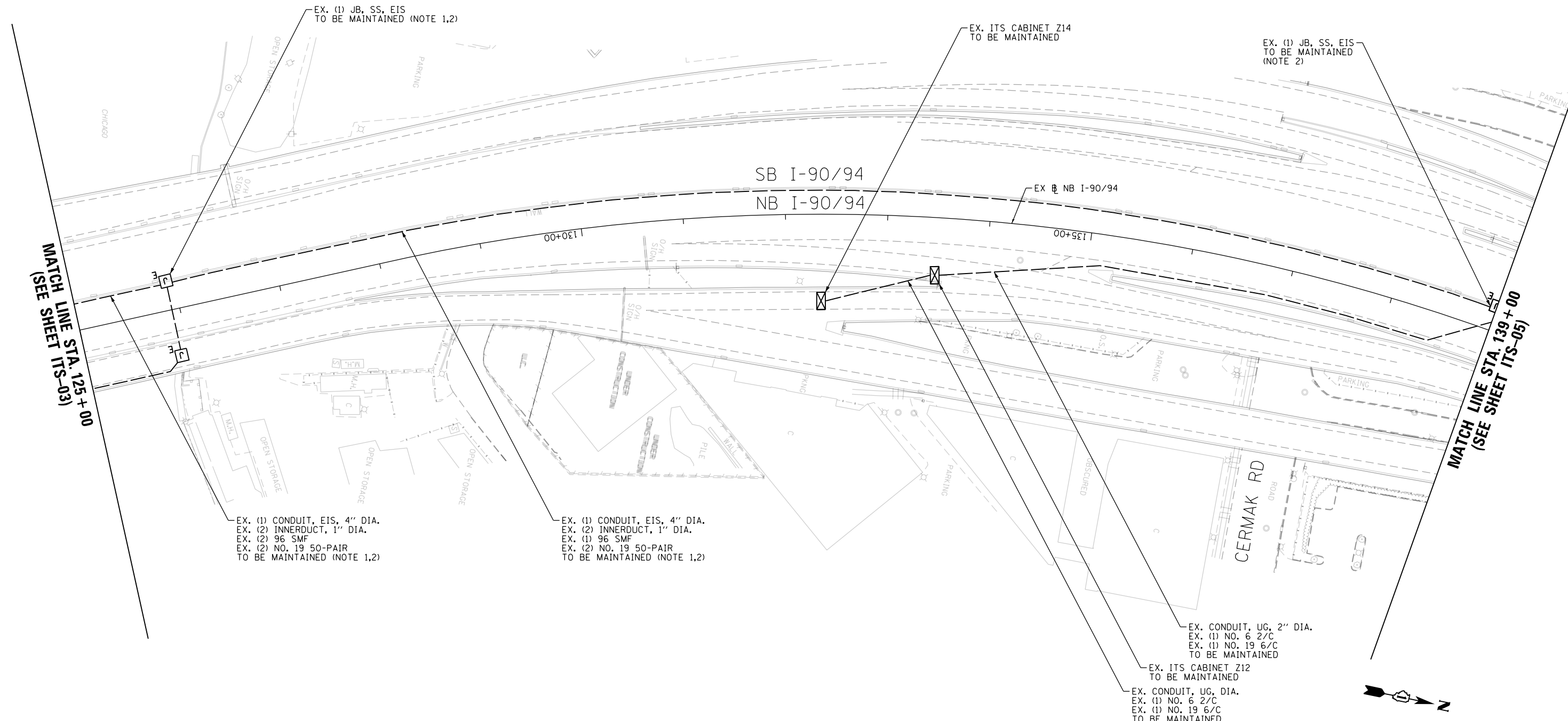
**EXISTING MASTER ITS PLAN**

SCALE: 1"=50'    SHEET 3 OF 102 SHEETS    STA. 111+00 TO STA. 125+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	146
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

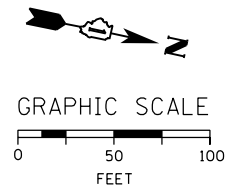
**NOTES:**

1. MAINTAIN THE EXISTING IDOT ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS AS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
2. REMOVE EXISTING 96 SMF CABLE BETWEEN THE I-55 COMMUNICATION HUT AND THE JUNCTION BOX AT STA. 152+10 (MAINTAIN THE EXISTING 96 SMF BETWEEN THE I-55 HUT AND PUMP STATION #29 AND THE EXISTING COPPER CABLE). THIS WORK MUST BE PERFORMED AFTER THE ALTERNATE TRUNKLINE FIBER OPTIC CABLE BETWEEN 16TH STREET AND PUMP STATION #29 IS INSTALLED AND OPERATIONAL. THIS WILL REQUIRE COORDINATION WITH CONTRACT 62A76, WHICH INSTALLS THE ALTERNATE TRUNKLINE ROUTE.



MATCH LINE STA. 125 + 00  
(SEE SHEET ITS-03)

MATCH LINE STA. 139 + 00  
(SEE SHEET ITS-05)



FILE PATH = p:\na\ecom\ms-nw\sl\ecommon\line\local\AECOM\_DS02\_IL\000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-04



D160Y00-shr-ITS-04  
USER NAME = patrick.jordan  
PLOT SCALE = 100.0000' / in.  
PLOT DATE = 1/26/2020

DESIGNED - PTJ  
DRAWN - CAM  
CHECKED - MJL  
DATE - 1/29/2020

REVISED -  
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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING MASTER ITS PLAN**

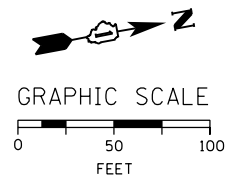
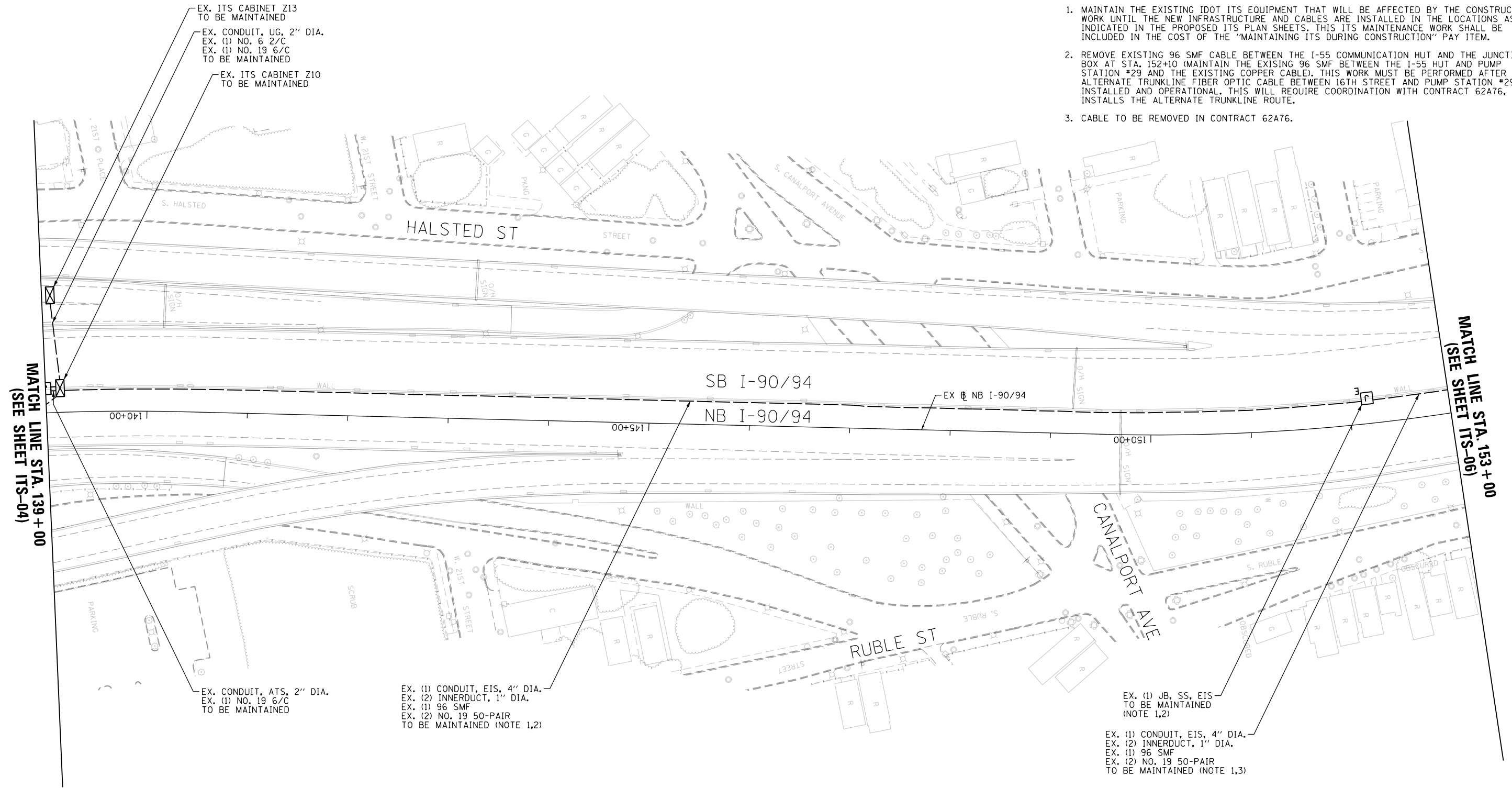
SCALE: 1"=50' SHEET 4 OF 102 SHEETS STA. 125+00 TO STA. 139+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	147
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

ITS-04

**NOTES:**

1. MAINTAIN THE EXISTING IDOT ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS AS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
2. REMOVE EXISTING 96 SMF CABLE BETWEEN THE I-55 COMMUNICATION HUT AND THE JUNCTION BOX AT STA. 152+10 (MAINTAIN THE EXISTING 96 SMF BETWEEN THE I-55 HUT AND PUMP STATION #29 AND THE EXISTING COPPER CABLE). THIS WORK MUST BE PERFORMED AFTER THE ALTERNATE TRUNKLINE FIBER OPTIC CABLE BETWEEN 16TH STREET AND PUMP STATION #29 IS INSTALLED AND OPERATIONAL. THIS WILL REQUIRE COORDINATION WITH CONTRACT 62A76, WHICH INSTALLS THE ALTERNATE TRUNKLINE ROUTE.
3. CABLE TO BE REMOVED IN CONTRACT 62A76.



ITS-05

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D160Y00-shr-ITS-05  
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PLOT DATE = 1/26/2020

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DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING MASTER ITS PLAN**

SCALE: 1"=50' SHEET 5 OF 102 SHEETS STA. 139+00 TO STA. 153+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	148
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. MAINTAIN THE EXISTING IDOT ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS AS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
2. CABLE TO BE REMOVED IN CONTRACT 62A76.

EX. (1) CONDUIT, ATS, 4" DIA., PVCC GS  
 EX. (1) NO. 19 25-PAIR  
 EX. (1) INNERDUCT, 1-1/4" DIA.  
 EX. (1) 96 SMF  
 TO BE MAINTAINED (NOTE 1)

EX. (1) JB, SS, ATS, 24"x24"x10"  
 TO BE MAINTAINED (NOTE 1)

EX. (1) JB, SS ATS, 18"x18"x8"  
 TO BE MAINTAINED (NOTE 1)

EX. ITS CABINET A11  
 TO BE MAINTAINED

EX. (1) CONDUIT, EIS, 4" DIA.  
 EX. (2) INNERDUCT, 1" DIA.  
 EX. (1) 96 SMF  
 EX. (2) NO. 19 50-PAIR  
 TO BE MAINTAINED (NOTE 1,2)

EX. (1) CONDUIT, ATS, 4" DIA., PVCC GS  
 EX. (1) NO. 19 25-PAIR  
 EX. (1) INNERDUCT, 1-1/4" DIA.  
 EX. (1) 96 SMF  
 TO BE MAINTAINED (NOTE 1)

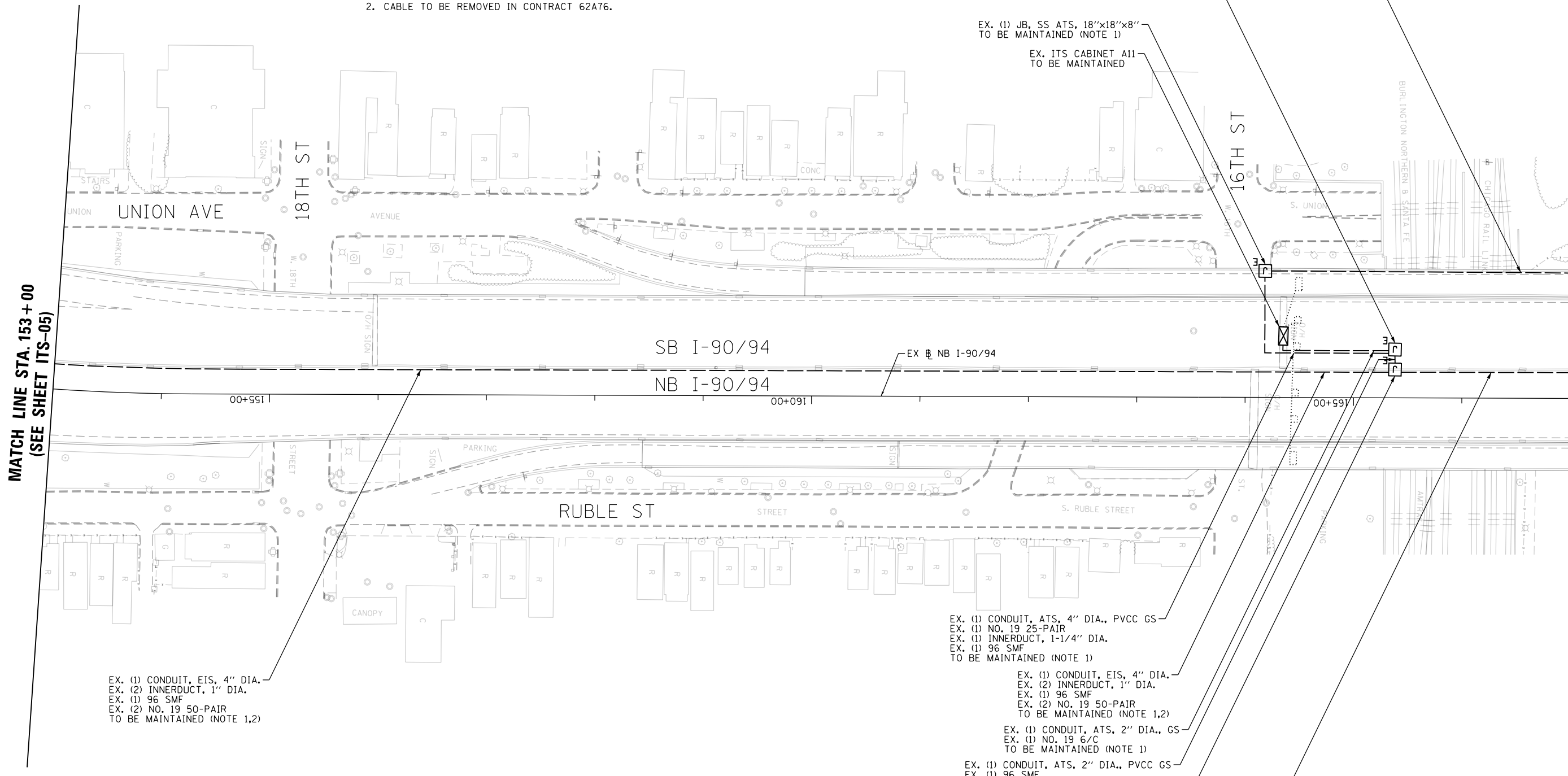
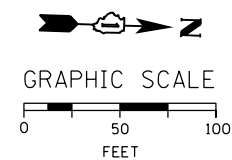
EX. (1) CONDUIT, EIS, 4" DIA.  
 EX. (2) INNERDUCT, 1" DIA.  
 EX. (1) 96 SMF  
 EX. (2) NO. 19 50-PAIR  
 TO BE MAINTAINED (NOTE 1,2)

EX. (1) CONDUIT, ATS, 2" DIA., GS  
 EX. (1) NO. 19 6/C  
 TO BE MAINTAINED (NOTE 1)

EX. (1) CONDUIT, ATS, 2" DIA., PVCC GS  
 EX. (1) 96 SMF  
 EX. (1) NO. 19 25-PAIR  
 TO BE MAINTAINED (NOTE 1,2)

EX. (1) JB, EIS, TYPE J  
 TO BE MAINTAINED  
 (NOTE 1,2)

EX. (1) CONDUIT, EIS, 4" DIA.  
 EX. (2) INNERDUCT, 1" DIA.  
 EX. (1) 96 SMF  
 EX. (2) NO. 19 50-PAIR  
 TO BE MAINTAINED (NOTE 1,2)



MATCH LINE STA. 153+00  
 (SEE SHEET ITS-05)

MATCH LINE STA. 167+00  
 (SEE SHEET ITS-07)

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D160Y00-sht-ITS-06  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/26/2020

DESIGNED - PTJ  
 DRAWN - CAM  
 CHECKED - MJL  
 DATE - 1/29/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING MASTER ITS PLAN

SCALE: 1"=50' SHEET 6 OF 102 SHEETS STA. 153+00 TO STA. 167+00

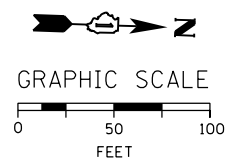
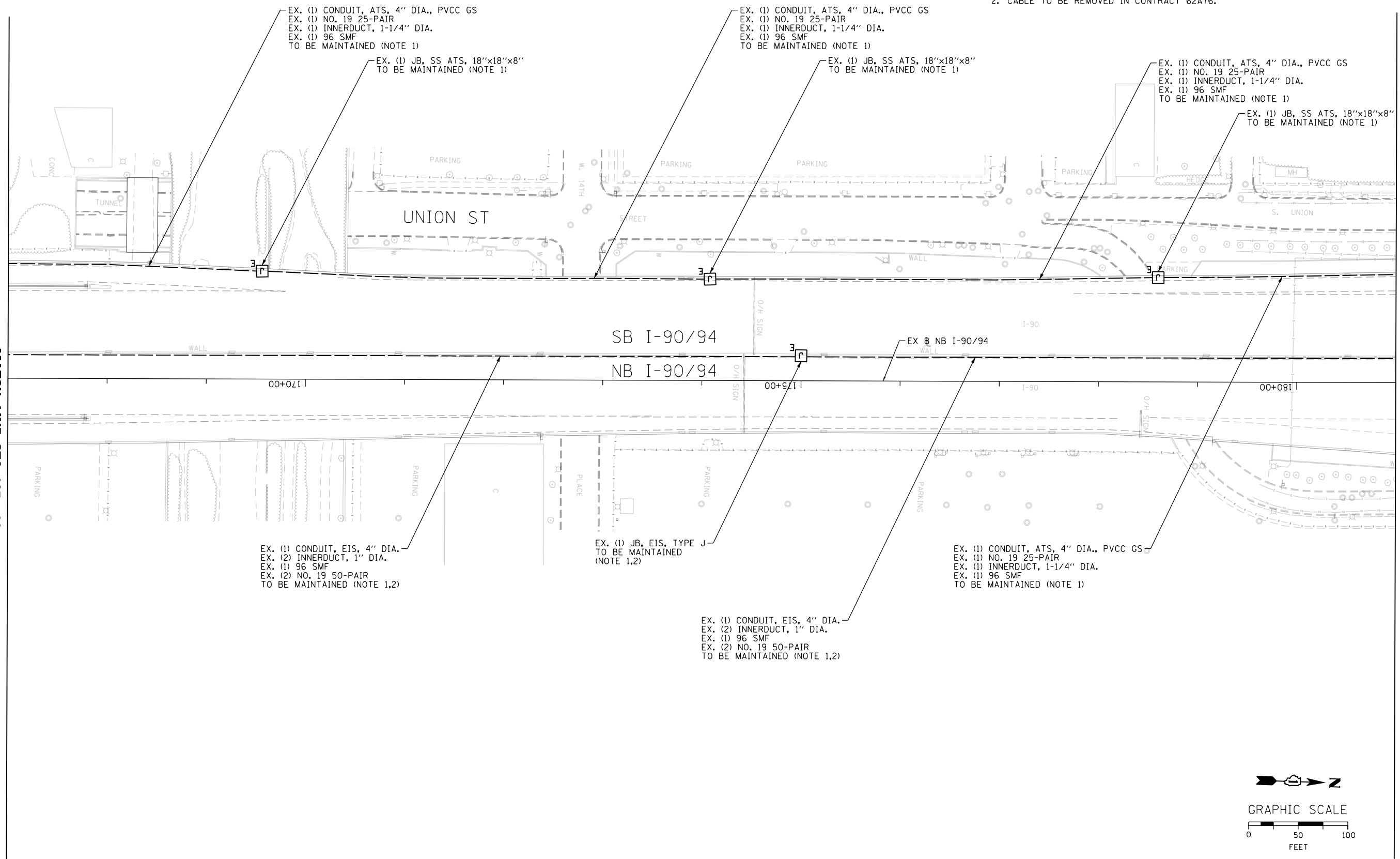
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	149
CONTRACT NO. 60Y00				

ITS-06

ILLINOIS FED. AID PROJECT

**NOTES:**

1. MAINTAIN THE EXISTING IDOT ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS AS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
2. CABLE TO BE REMOVED IN CONTRACT 62A76.



MATCH LINE STA. 167 + 00  
(SEE SHEET ITS-06)

MATCH LINE STA. 181 + 00  
(SEE SHEET ITS-08)

FILE PATH = p:\aecom\ms-ansi\escomon\line\local\AECOM\_DS02\_IL\000\_CAD\006\_Roadway\Sheets\60Y00\_Contract\0160Y00-shr-ITS-07



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USER NAME = patrick.jordan	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 1/27/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

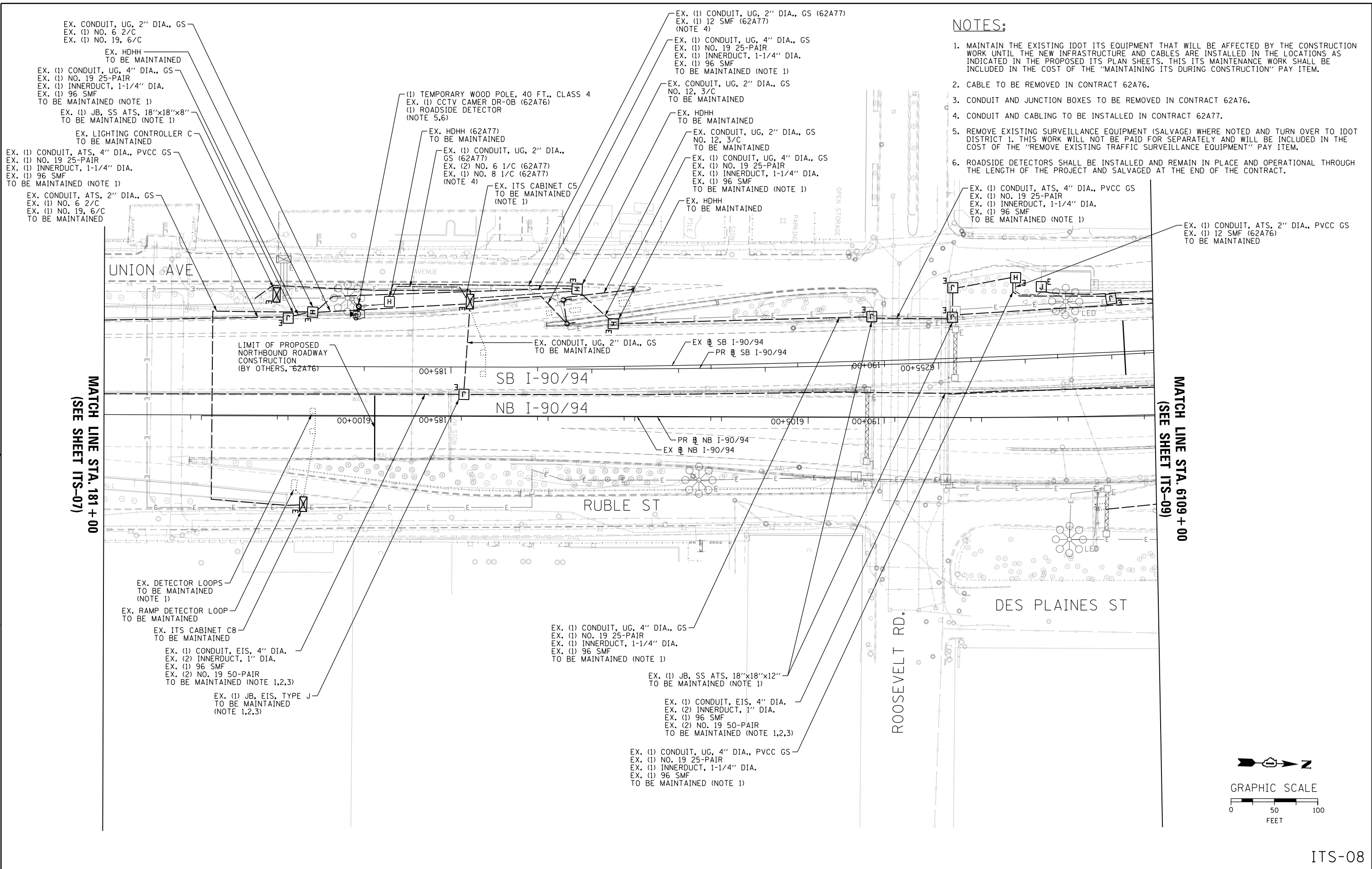
**EXISTING MASTER ITS PLAN**

SCALE: 1"=50'    SHEET 7 OF 102 SHEETS    STA. 167+00 TO STA. 181+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	150
CONTRACT NO. 60Y00			ILLINOIS FED. AID PROJECT	

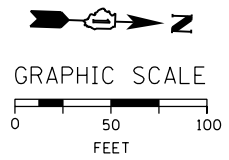
ITS-07

FILE PATH = p:\aecom\ms-ansi\ecom\local\ecom\0502\_MN\Documents\01\_Americas\Transportation\60269938\_Circle Phase 1\1000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\1060Y00-ht-ITS-08



**NOTES:**

1. MAINTAIN THE EXISTING IDOT ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS AS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
2. CABLE TO BE REMOVED IN CONTRACT 62A76.
3. CONDUIT AND JUNCTION BOXES TO BE REMOVED IN CONTRACT 62A76.
4. CONDUIT AND CABLING TO BE INSTALLED IN CONTRACT 62A77.
5. REMOVE EXISTING SURVEILLANCE EQUIPMENT (SALVAGE) WHERE NOTED AND TURN OVER TO IDOT DISTRICT 1. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT" PAY ITEM.
6. ROADSIDE DETECTORS SHALL BE INSTALLED AND REMAIN IN PLACE AND OPERATIONAL THROUGH THE LENGTH OF THE PROJECT AND SALVAGED AT THE END OF THE CONTRACT.



ITS-08



D160Y00-ht-ITS-08  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/27/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

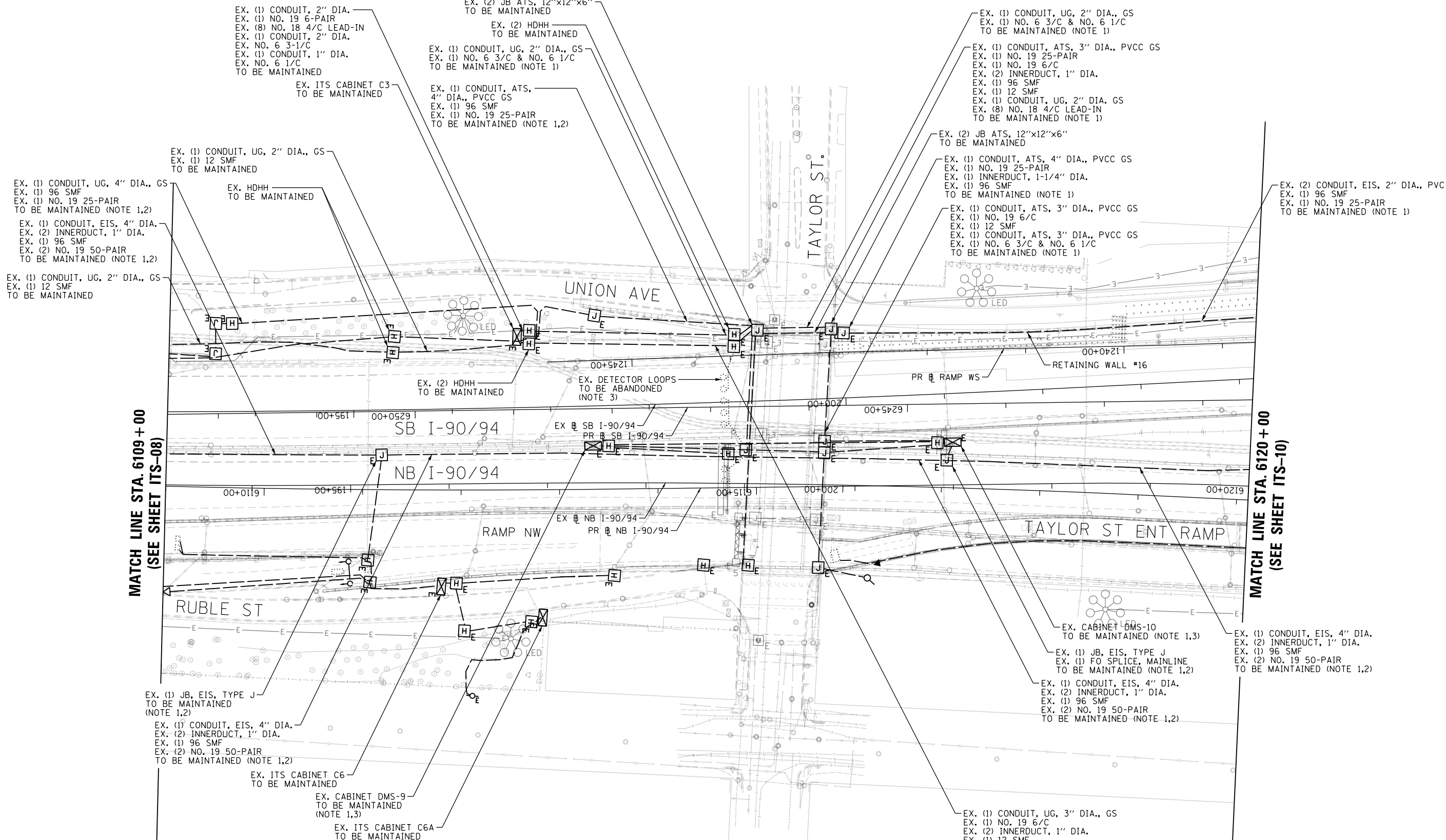
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING MASTER ITS PLAN**

SCALE: 1"=50' SHEET 8 OF 102 SHEETS STA. 181+00 TO STA. 6109+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	151
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

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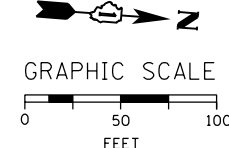


MATCH LINE STA. 6109+00  
(SEE SHEET ITS-08)

MATCH LINE STA. 6120+00  
(SEE SHEET ITS-10)

**NOTES:**

1. MAINTAIN THE EXISTING IDOT ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS AS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
2. CABLE, CONDUIT, AND JUNCTION BOXES TO BE REMOVED IN CONTRACT 62A76.
3. DMS CABINET AND ASSOCIATED HANDHOLES, CONDUIT, AND CABLING TO BE REMOVED IN CONTRACT 62A76.



ITS-09



D160Y00-shr-ITS-09	DESIGNED - PTJ	REVISED -
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PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
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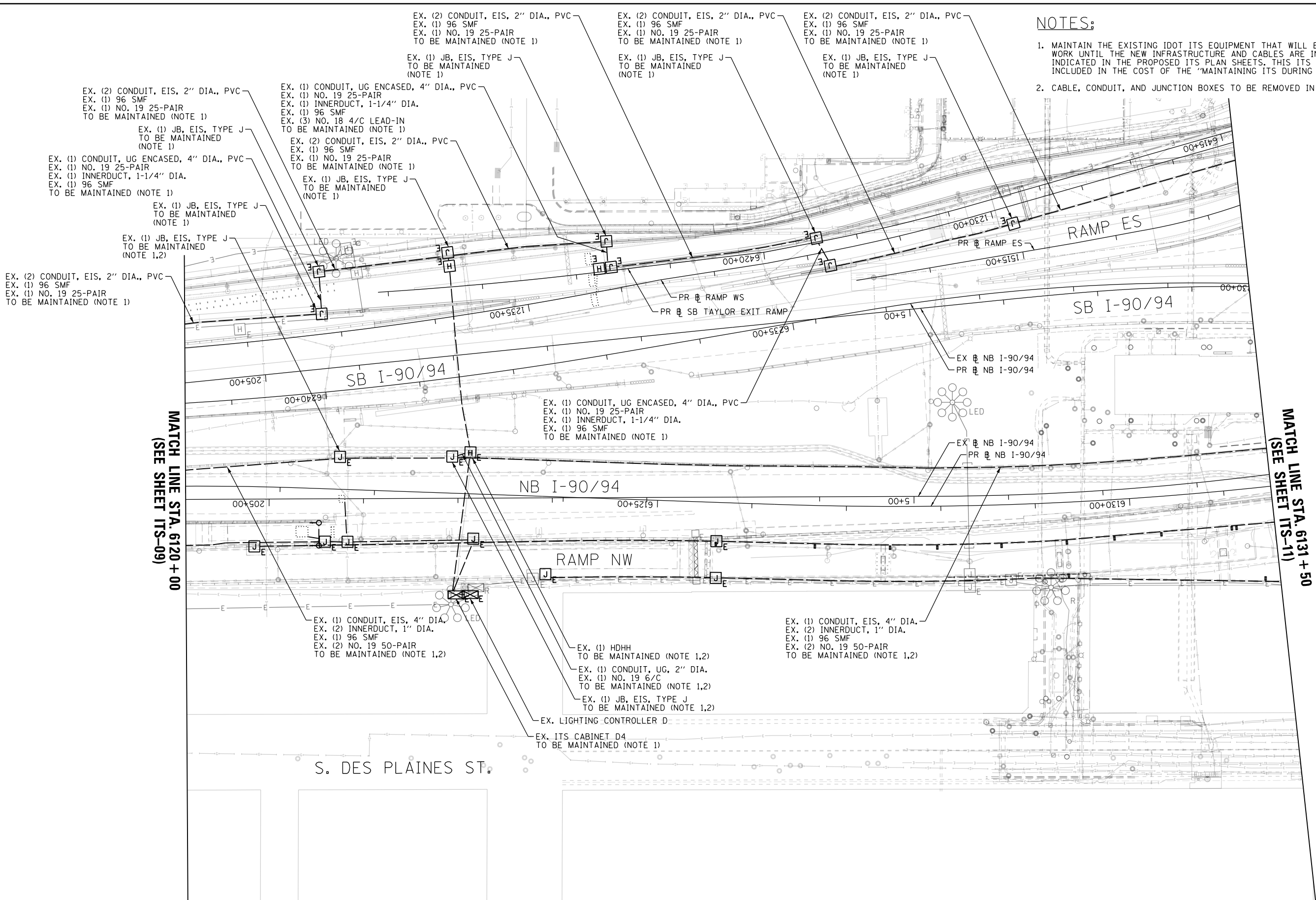
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING MASTER ITS PLAN

SCALE: 1"=50' SHEET 9 OF 102 SHEETS STA. 6109+00 TO STA. 6120+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	152
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

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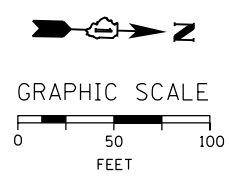


**NOTES:**

1. MAINTAIN THE EXISTING IDOT ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS AS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
2. CABLE, CONDUIT, AND JUNCTION BOXES TO BE REMOVED IN CONTRACT 62A76.

MATCH LINE STA. 6120 + 00  
(SEE SHEET ITS-09)

MATCH LINE STA. 6131 + 50  
(SEE SHEET ITS-11)



ITS-10



D160Y00-shr-ITS-10
USER NAME = patrick.jordan
PLOT SCALE = 100.0000' / in.
PLOT DATE = 1/26/2020

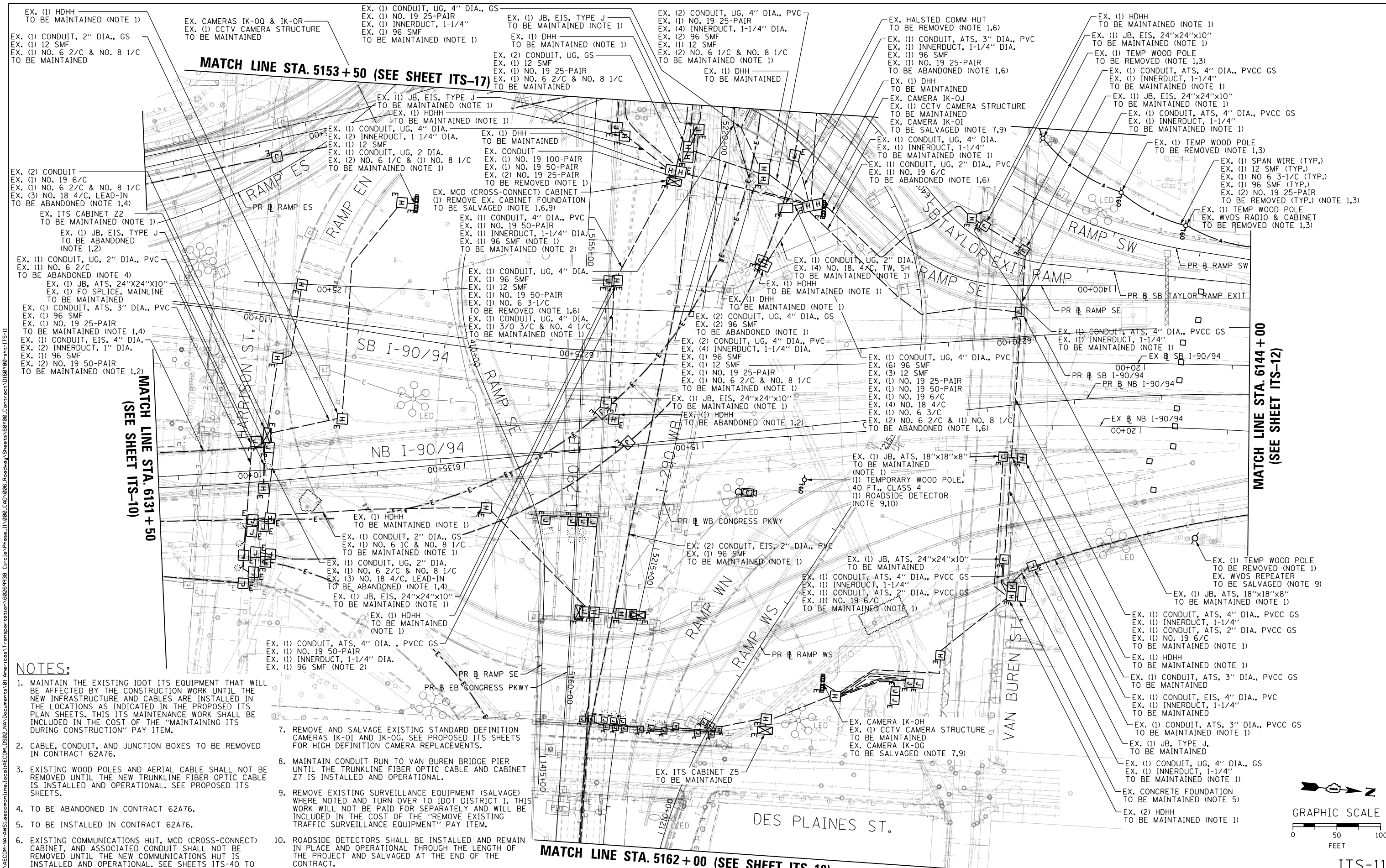
DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

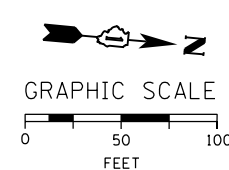
EXISTING MASTER ITS PLAN

SCALE: 1"=50' SHEET 10 OF 102 SHEETS STA. 6120+00 TO STA. 6131+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	153
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				



- NOTES:**
1. MAINTAIN THE EXISTING IDOT ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS AS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
  2. CABLE, CONDUIT, AND JUNCTION BOXES TO BE REMOVED IN CONTRACT 62A76.
  3. EXISTING WOOD POLES AND AERIAL CABLE SHALL NOT BE REMOVED UNTIL THE NEW TRUNKLINE FIBER OPTIC CABLE IS INSTALLED AND OPERATIONAL. SEE PROPOSED ITS SHEETS.
  4. TO BE ABANDONED IN CONTRACT 62A76.
  5. TO BE INSTALLED IN CONTRACT 62A76.
  6. EXISTING COMMUNICATIONS HUT, MCD (CROSS-CONNECT) CABINET, AND ASSOCIATED CONDUIT SHALL NOT BE REMOVED UNTIL THE NEW COMMUNICATIONS HUT IS INSTALLED AND OPERATIONAL. SEE SHEETS ITS-40 TO ITS-50.
  7. REMOVE AND SALVAGE EXISTING STANDARD DEFINITION CAMERAS IK-01 AND IK-0G. SEE PROPOSED ITS SHEETS FOR HIGH DEFINITION CAMERA REPLACEMENTS.
  8. MAINTAIN CONDUIT RUN TO VAN BUREN BRIDGE PIER UNTIL THE TRUNKLINE FIBER OPTIC CABLE AND CABINET Z7 IS INSTALLED AND OPERATIONAL.
  9. REMOVE EXISTING SURVEILLANCE EQUIPMENT (SALVAGE) WHERE NOTED AND TURN OVER TO IDOT DISTRICT 1. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT" PAY ITEM.
  10. ROADSIDE DETECTORS SHALL BE INSTALLED AND REMAIN IN PLACE AND OPERATIONAL THROUGH THE LENGTH OF THE PROJECT AND SALVAGED AT THE END OF THE CONTRACT.



D160Y00-sht-ITS-11  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/27/2020

DESIGNED - PTJ  
 DRAWN - CAM  
 CHECKED - MJL  
 DATE - 1/29/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

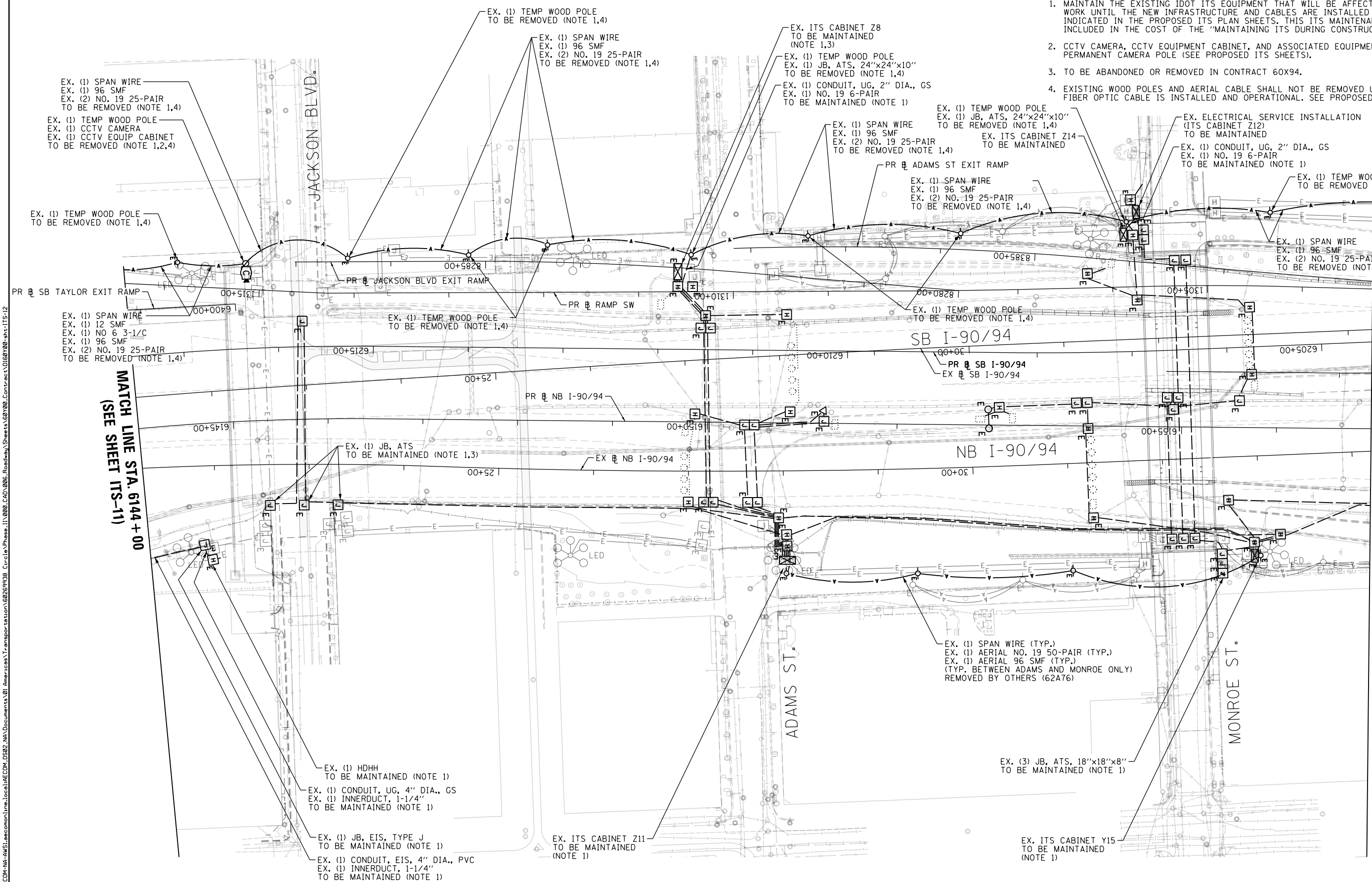
EXISTING MASTER ITS PLAN  
 SCALE: 1"=50'  
 SHEET 11 OF 102 SHEETS  
 STA. 6131+50 TO STA. 6144+00

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	154
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

ITS-11

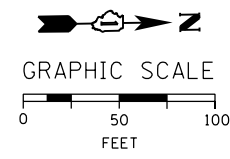
**NOTES:**

1. MAINTAIN THE EXISTING IDOT ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS AS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
2. CCTV CAMERA, CCTV EQUIPMENT CABINET, AND ASSOCIATED EQUIPMENT TO BE RELOCATED TO PERMANENT CAMERA POLE (SEE PROPOSED ITS SHEETS).
3. TO BE ABANDONED OR REMOVED IN CONTRACT 60X94.
4. EXISTING WOOD POLES AND AERIAL CABLE SHALL NOT BE REMOVED UNTIL THE NEW TRUNKLINE FIBER OPTIC CABLE IS INSTALLED AND OPERATIONAL. SEE PROPOSED ITS SHEETS.



MATCH LINE STA. 6144 + 00  
(SEE SHEET ITS-11)

MATCH LINE STA. 6157 + 00  
(SEE SHEET ITS-13)



ITS-12

FILE PATH = p:\a\ecdm\NA-A\SI\ecdm\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\_Phase\_1\1000\_CAD\046\_Roadway\_Sheets\60Y00\_sht-ITS-12



D160Y00-sht-ITS-12  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/26/2020

DESIGNED - PTJ  
 DRAWN - CAM  
 CHECKED - MJL  
 DATE - 1/29/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

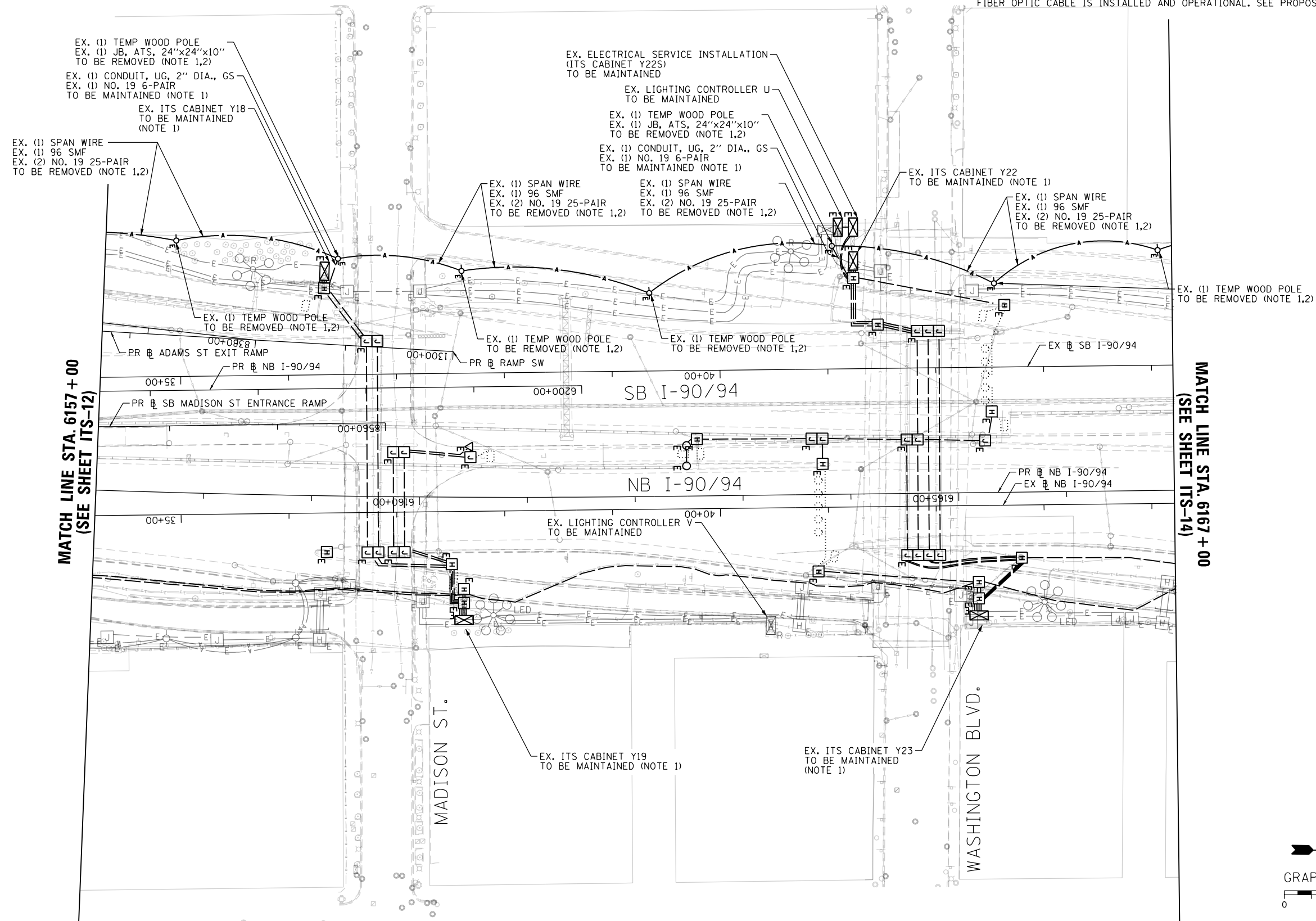
**EXISTING MASTER ITS PLAN**

SCALE: 1"=50' SHEET 12 OF 102 SHEETS STA. 6144+00 TO STA. 6157+00

F.A.I. RTE. 90/94/290	SECTION 2014-009L	COUNTY COOK	TOTAL SHEETS 263	SHEET NO. 155
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

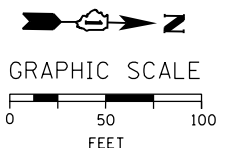
**NOTES:**

1. MAINTAIN THE EXISTING IDOT ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS AS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
2. EXISTING WOOD POLES AND AERIAL CABLE SHALL NOT BE REMOVED UNTIL THE NEW TRUNKLINE FIBER OPTIC CABLE IS INSTALLED AND OPERATIONAL. SEE PROPOSED ITS SHEETS.



MATCH LINE STA. 6157 + 00  
(SEE SHEET ITS-12)

MATCH LINE STA. 6167 + 00  
(SEE SHEET ITS-14)



FILE PATH = p:\aecom\ms-ansi\ecommon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase\11\000\_CAD\006\_Roadway\Sheets\60Y00\_Contract\0160Y00-shr-ITS-13



D160Y00-shr-ITS-13  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/26/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING MASTER ITS PLAN**

SCALE: 1"=50' SHEET 13 OF 102 SHEETS STA. 6157+00 TO STA. 6167+00

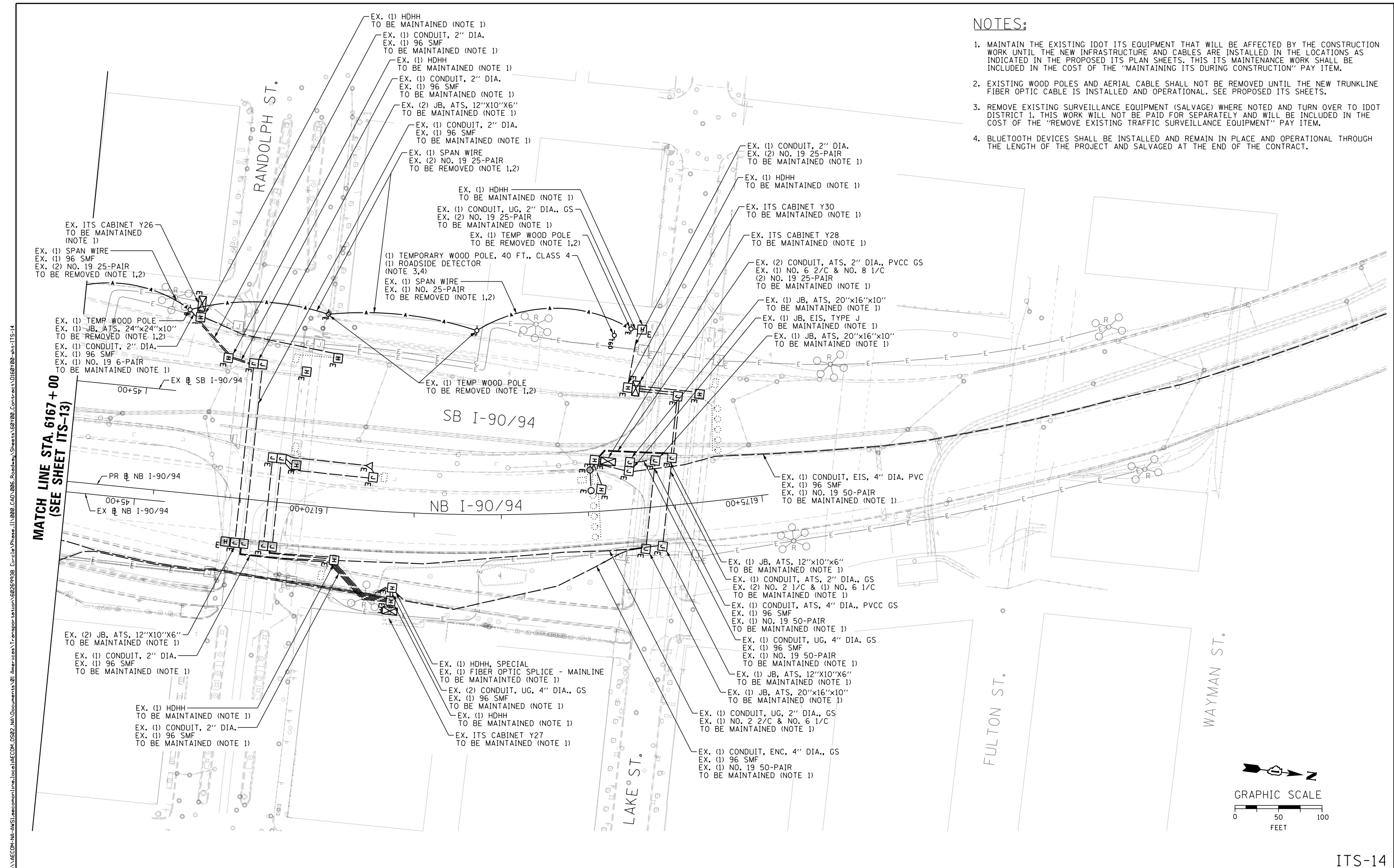
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	156
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

ITS-13

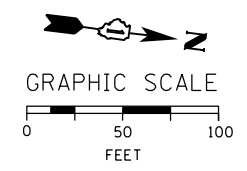


**NOTES:**

1. MAINTAIN THE EXISTING IDOT ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS AS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
2. EXISTING WOOD POLES AND AERIAL CABLE SHALL NOT BE REMOVED UNTIL THE NEW TRUNKLINE FIBER OPTIC CABLE IS INSTALLED AND OPERATIONAL. SEE PROPOSED ITS SHEETS.
3. REMOVE EXISTING SURVEILLANCE EQUIPMENT (SALVAGE) WHERE NOTED AND TURN OVER TO IDOT DISTRICT 1. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT" PAY ITEM.
4. BLUETOOTH DEVICES SHALL BE INSTALLED AND REMAIN IN PLACE AND OPERATIONAL THROUGH THE LENGTH OF THE PROJECT AND SALVAGED AT THE END OF THE CONTRACT.



MATCH LINE STA. 6167+00 (SEE SHEET ITS-13)



FILE PATH = p:\naecom\ms-ansi\encom\line\local\ecom\0502\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\1\000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-14



D160Y00-shr-ITS-14  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/27/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

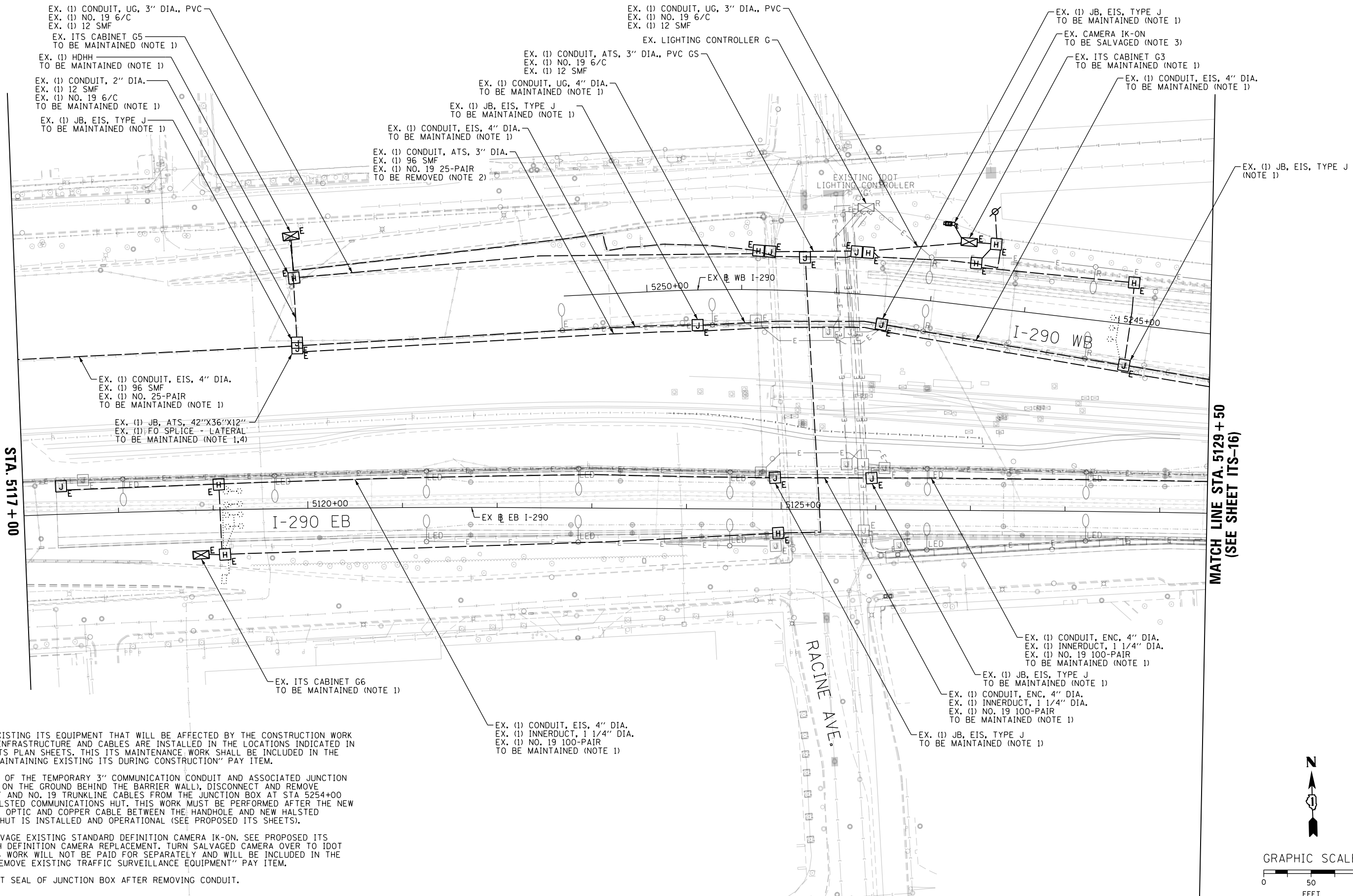
**EXISTING MASTER ITS PLAN**

SCALE: 1"=50' SHEET 14 OF 102 SHEETS STA. 6167+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	157
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

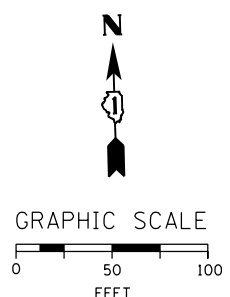
ITS-14

FILE PATH = p:\aecom\ms-ans\seccion\line\local\AECOM\_DS02\_MA\Documents\01\_Americas\Transportation\60269938\_Circle Phase 1\000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-15



**NOTES:**

1. MAINTAIN THE EXISTING ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING EXISTING ITS DURING CONSTRUCTION" PAY ITEM.
2. BEFORE REMOVAL OF THE TEMPORARY 3" COMMUNICATION CONDUIT AND ASSOCIATED JUNCTION BOXES (LOCATED ON THE GROUND BEHIND THE BARRIER WALL), DISCONNECT AND REMOVE EXISTING 96 SMF AND NO. 19 TRUNKLINE CABLES FROM THE JUNCTION BOX AT STA 5254+00 EAST TO THE HALSTED COMMUNICATIONS HUT. THIS WORK MUST BE PERFORMED AFTER THE NEW TRUNKLINE FIBER OPTIC AND COPPER CABLE BETWEEN THE HANDHOLE AND NEW HALSTED COMMUNICATIONS HUT IS INSTALLED AND OPERATIONAL (SEE PROPOSED ITS SHEETS).
3. REMOVE AND SALVAGE EXISTING STANDARD DEFINITION CAMERA IK-ON. SEE PROPOSED ITS SHEETS FOR HIGH DEFINITION CAMERA REPLACEMENT. TURN SALVAGED CAMERA OVER TO IDOT DISTRICT 1. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT" PAY ITEM.
4. PROVIDE AIRTIGHT SEAL OF JUNCTION BOX AFTER REMOVING CONDUIT.



ITS-15



D160Y00-shr-ITS-15  
USER NAME = patrick.jordan  
PLOT SCALE = 100.0000' / in.  
PLOT DATE = 1/26/2020

DESIGNED - PTJ  
DRAWN - CAM  
CHECKED - MJL  
DATE - 1/29/2020

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING MASTER ITS PLAN**

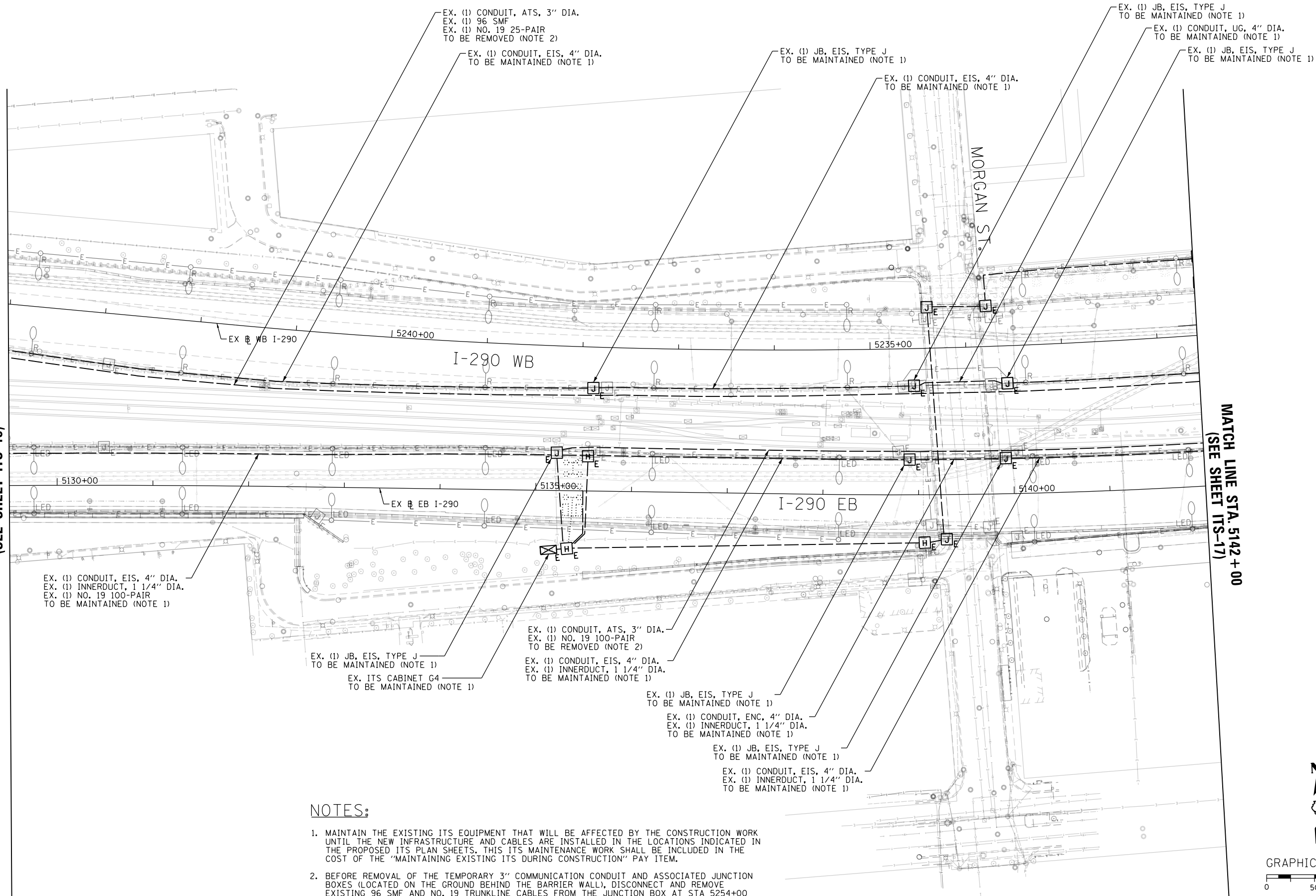
SCALE: 1"=50' SHEET 15 OF 102 SHEETS STA. 5117+00 TO STA. 5129+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	158
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\aecom\ms-ansi\ecommon\line\local\AECOM\_DS02\_IL\000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-16

MATCH LINE STA. 5129 + 50  
(SEE SHEET ITS-15)

MATCH LINE STA. 5142 + 00  
(SEE SHEET ITS-17)



EX. (1) CONDUIT, EIS, 4" DIA.  
EX. (1) INNERDUCT, 1 1/4" DIA.  
EX. (1) NO. 19 100-PAIR  
TO BE MAINTAINED (NOTE 1)

EX. (1) JB, EIS, TYPE J  
TO BE MAINTAINED (NOTE 1)  
EX. ITS CABINET G4  
TO BE MAINTAINED (NOTE 1)

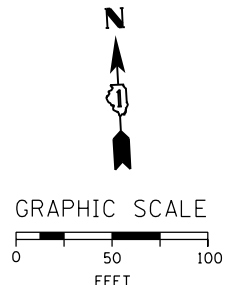
EX. (1) CONDUIT, ATS, 3" DIA.  
EX. (1) NO. 19 100-PAIR  
TO BE REMOVED (NOTE 2)  
EX. (1) CONDUIT, EIS, 4" DIA.  
EX. (1) INNERDUCT, 1 1/4" DIA.  
TO BE MAINTAINED (NOTE 1)

EX. (1) JB, EIS, TYPE J  
TO BE MAINTAINED (NOTE 1)  
EX. (1) CONDUIT, ENC, 4" DIA.  
EX. (1) INNERDUCT, 1 1/4" DIA.  
TO BE MAINTAINED (NOTE 1)

EX. (1) JB, EIS, TYPE J  
TO BE MAINTAINED (NOTE 1)  
EX. (1) CONDUIT, EIS, 4" DIA.  
EX. (1) INNERDUCT, 1 1/4" DIA.  
TO BE MAINTAINED (NOTE 1)

**NOTES:**

1. MAINTAIN THE EXISTING ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING EXISTING ITS DURING CONSTRUCTION" PAY ITEM.
2. BEFORE REMOVAL OF THE TEMPORARY 3" COMMUNICATION CONDUIT AND ASSOCIATED JUNCTION BOXES (LOCATED ON THE GROUND BEHIND THE BARRIER WALL), DISCONNECT AND REMOVE EXISTING 96 SMF AND NO. 19 TRUNKLINE CABLES FROM THE JUNCTION BOX AT STA 5254+00 EAST TO THE HALSTED COMMUNICATIONS HUT. THIS WORK MUST BE PERFORMED AFTER THE NEW TRUNKLINE FIBER OPTIC AND COPPER CABLE BETWEEN THE HANDHOLE AND NEW HALSTED COMMUNICATIONS HUT IS INSTALLED AND OPERATIONAL (SEE PROPOSED ITS SHEETS).



ITS-16



D160Y00-shr-ITS-16  
USER NAME = patrick.jordan  
PLOT SCALE = 100.0000' / in.  
PLOT DATE = 1/26/2020

DESIGNED - PTJ  
DRAWN - CAM  
CHECKED - MJL  
DATE - 1/29/2020

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING MASTER ITS PLAN

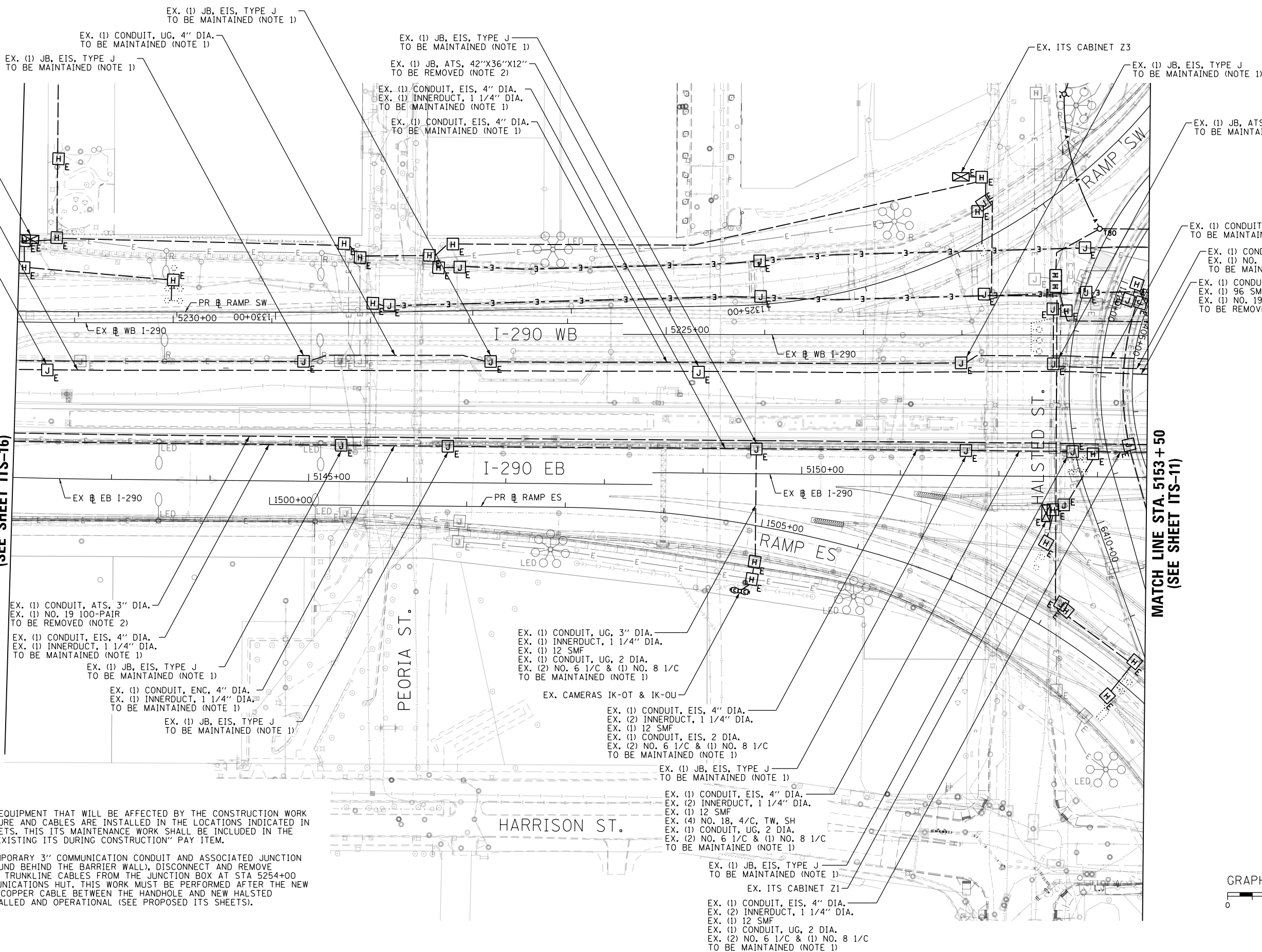
SCALE: 1"=50' SHEET 16 OF 102 SHEETS STA. 5129+50 TO STA. 5142+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	159
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\naecom\na-ansi\encom\local\ecom\0502\NA Documents\01 America's Transportation\60269938 Circle Phase 1\1000 CAD\046 Roadway\Sheets\60Y00 Contract\160Y00-ht-ITS-17

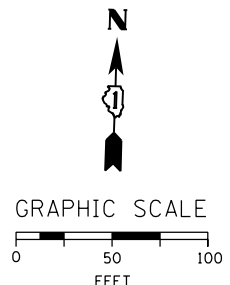
EX. ITS CABINET G1  
 EX. (1) CONDUIT, ATS, 3" DIA.  
 EX. (1) 96 SMF  
 EX. (1) NO. 19 25-PAIR  
 TO BE REMOVED (NOTE 2)  
 EX. (1) JB, ATS, 42"X36"X12"  
 TO BE REMOVED (NOTE 2)

MATCH LINE STA. 5142 + 00  
 (SEE SHEET ITS-16)



**NOTES:**

1. MAINTAIN THE EXISTING ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING EXISTING ITS DURING CONSTRUCTION" PAY ITEM.
2. BEFORE REMOVAL OF THE TEMPORARY 3" COMMUNICATION CONDUIT AND ASSOCIATED JUNCTION BOXES (LOCATED ON THE GROUND BEHIND THE BARRIER WALL), DISCONNECT AND REMOVE EXISTING 96 SMF AND NO. 19 TRUNKLINE CABLES FROM THE JUNCTION BOX AT STA 5254+00 EAST TO THE HALSTED COMMUNICATIONS HUT. THIS WORK MUST BE PERFORMED AFTER THE NEW TRUNKLINE FIBER OPTIC AND COPPER CABLE BETWEEN THE HANDHOLE AND NEW HALSTED COMMUNICATIONS HUT IS INSTALLED AND OPERATIONAL (SEE PROPOSED ITS SHEETS).



ITS-17



D160Y00-ht-ITS-17  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/26/2020

DESIGNED - PTJ  
 DRAWN - CAM  
 CHECKED - MJL  
 DATE - 1/29/2020  
 REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

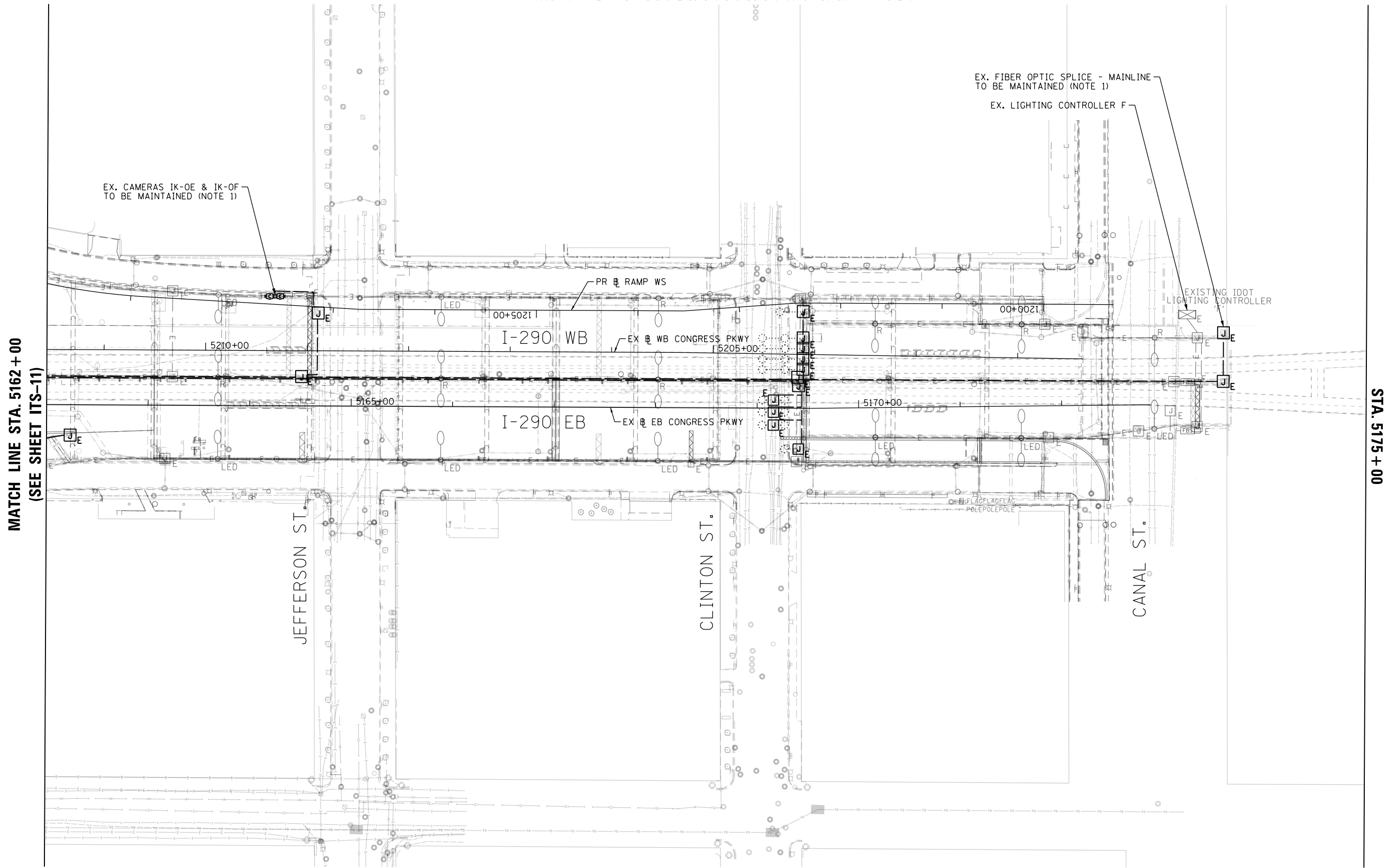
**EXISTING MASTER ITS PLAN**

SCALE: 1"=50' SHEET 17 OF 102 SHEETS STA. 5142+00 TO STA. 5153+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	160
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

NOTES:

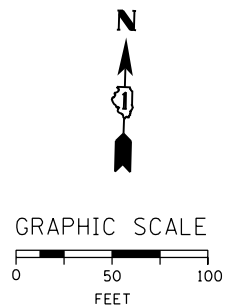
1. MAINTAIN THE EXISTING ITS EQUIPMENT THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK UNTIL THE NEW INFRASTRUCTURE AND CABLES ARE INSTALLED IN THE LOCATIONS INDICATED IN THE PROPOSED ITS PLAN SHEETS. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING EXISTING ITS DURING CONSTRUCTION" PAY ITEM.



NO PROPOSED WORK ON THIS SHEET

STA. 5175 + 00

MATCH LINE STA. 5162 + 00  
(SEE SHEET ITS-11)



FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase\11\000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-18



D160Y00-shr-ITS-18  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/26/2020

DESIGNED - PTJ  
 DRAWN - CAM  
 CHECKED - MJL  
 DATE - 1/29/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING MASTER ITS PLAN

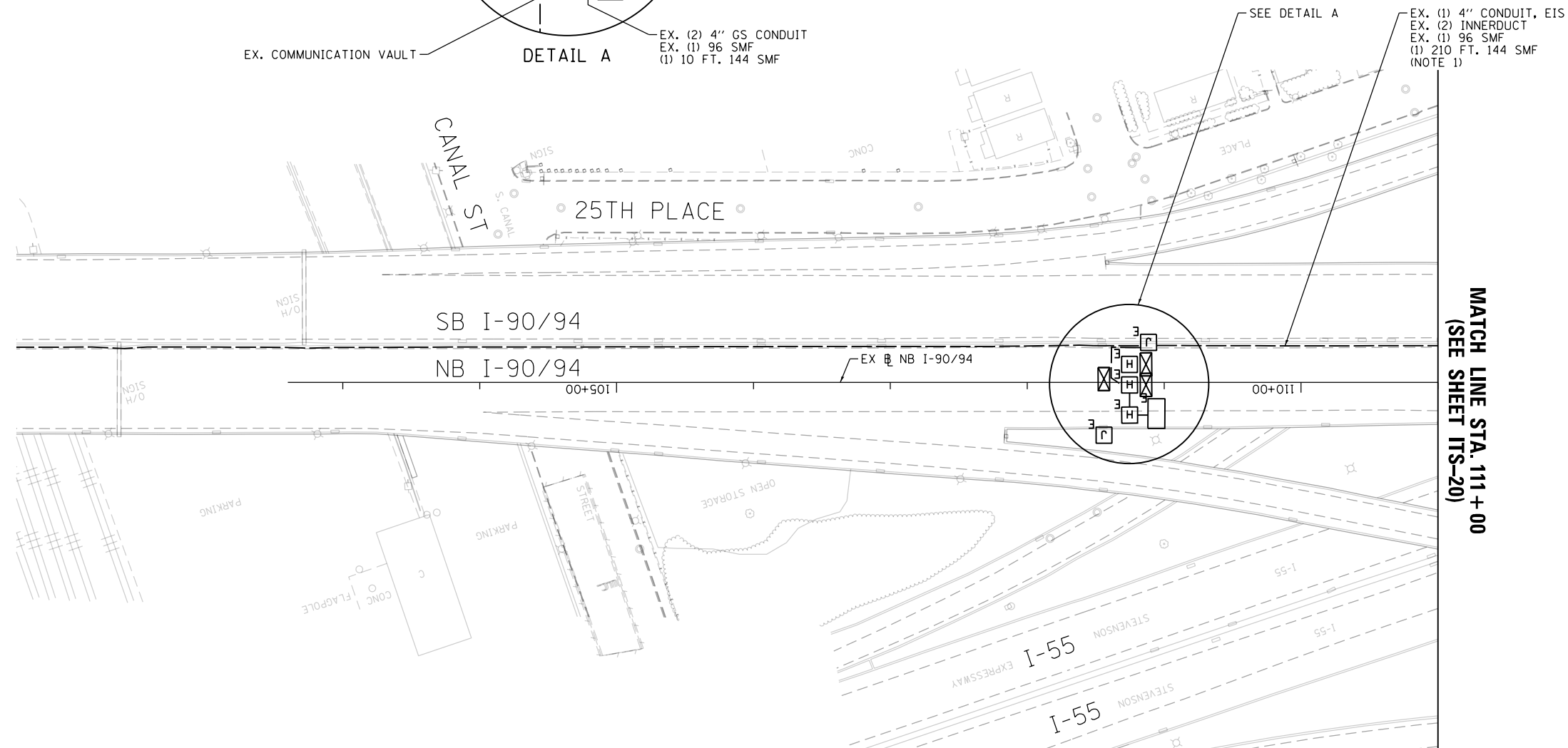
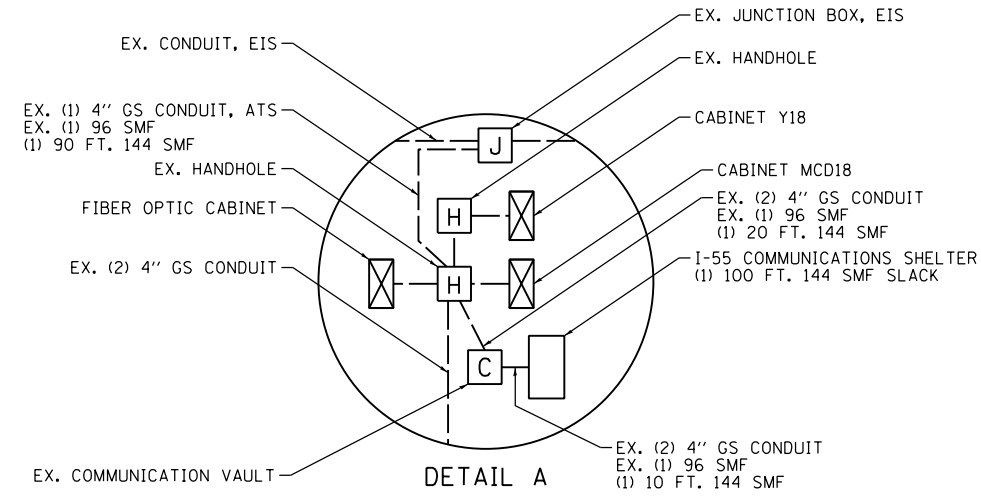
SCALE: 1"=50' SHEET 18 OF 102 SHEETS STA. 5162+00 TO STA. 5175+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	161
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

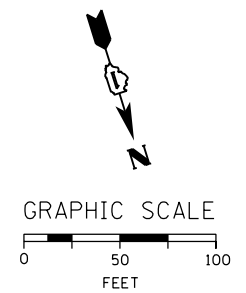
ITS-18

**NOTES:**

1. AFTER REMOVAL OF 96 SMF BETWEEN THE I-55 COMMUNICATION HUT AND THE HALSTED COMMUNICATION HUT, INSTALL 144 SMF IN THE SAME INNERDUCT. REASSIGN CABLE ASSIGNMENTS WITHIN THE I-55 COMMUNICATIONS HUT (SEE COMMUNICATIONS SHEETS).



MATCH LINE STA. 111 + 00  
(SEE SHEET ITS-20)



FILE PATH = p:\naecom\ms-ansi\ecommon\line\local\AECOM\_D502\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase\11000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-19



D160Y00-shr-ITS-19  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/26/2020

DESIGNED - PTJ  
 DRAWN - CAM  
 CHECKED - MJL  
 DATE - 1/29/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED MASTER ITS PLAN**

SCALE: 1"=50'    SHEET 19 OF 102 SHEETS    STA.    TO STA. 111+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	162
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

ITS-19

**NOTES:**

- AFTER REMOVAL OF THE 96 SMF BETWEEN THE I-55 COMMUNICATION HUT AND THE HALSTED COMMUNICATION HUT, INSTALL 144 SMF IN THE SAME INNERDUCT.

EX. (1) 4" CONDUIT, EIS  
 EX. (2) INNERDUCT  
 EX. (1) 96 SMF  
 (1) 1425 FT. 144 SMF  
 (NOTE 1)

EX. ITS CABINET DMS-UPS-08

SB I-90/94

NB I-90/94

EX NB I-90/94

1120+00

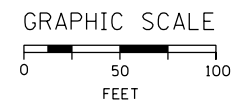
1115+00

MATCH LINE STA. 125+00  
 (SEE SHEET ITS-21)

MATCH LINE STA. 111+00  
 (SEE SHEET ITS-19)

EX. PUMP STATION #29

EX. ITS CABINET DMS-08



FILE PATH = p:\aecom\ms-ansi\ecommon\local\aedcom\_0502\_0A\Documents\01\_Americas\Transportation\60269938\_Circle Phase\11000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-20



D160Y00-shr-ITS-20	DESIGNED - PTJ	REVISED -
USER NAME = patrick.jordan	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 1/26/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED MASTER ITS PLAN**

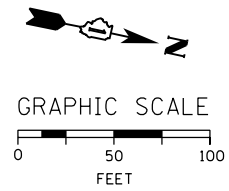
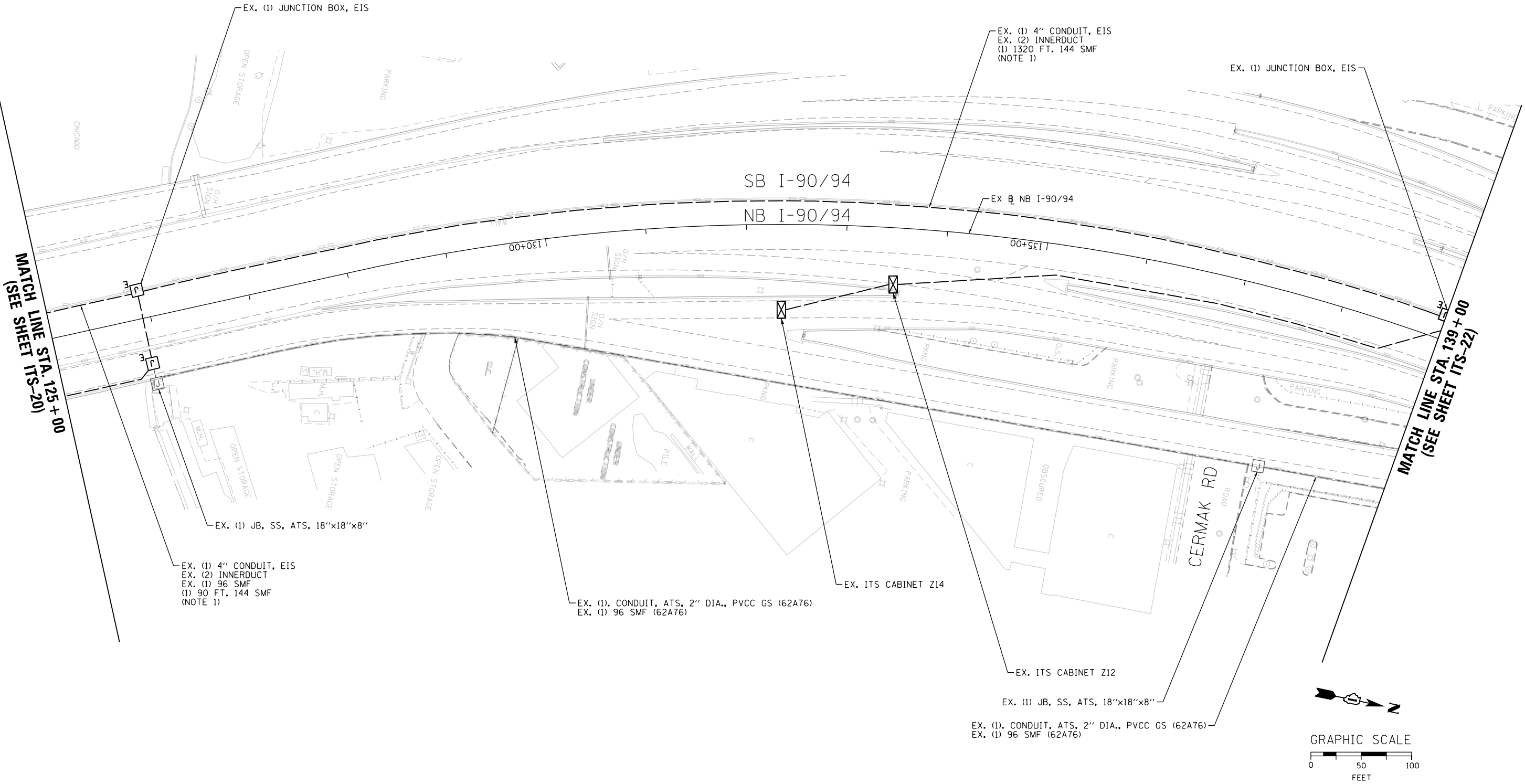
SCALE: 1"=50'    SHEET 20 OF 102 SHEETS    STA. 111+00 TO STA. 125+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	163
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

ITS-20

**NOTES:**

1. AFTER REMOVAL OF THE 96 SMF BETWEEN THE I-55 COMMUNICATION HUT AND THE HALSTED COMMUNICATION HUT, INSTALL 144 SMF IN THE SAME INNERDUCT.



FILE PATH = p:\aecom\ms-ansi\ecommon\local\aedcom\0502\_mn\documents\01\_america\transportation\60269938\_Circle Phase II\000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-21



D160Y00-shr-ITS-21	DESIGNED - PTJ	REVISED -
USER NAME = patrick.jordan	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 1/26/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED MASTER ITS PLAN**

SCALE: 1"=50' SHEET 21 OF 102 SHEETS STA. 125+00 TO STA. 139+00

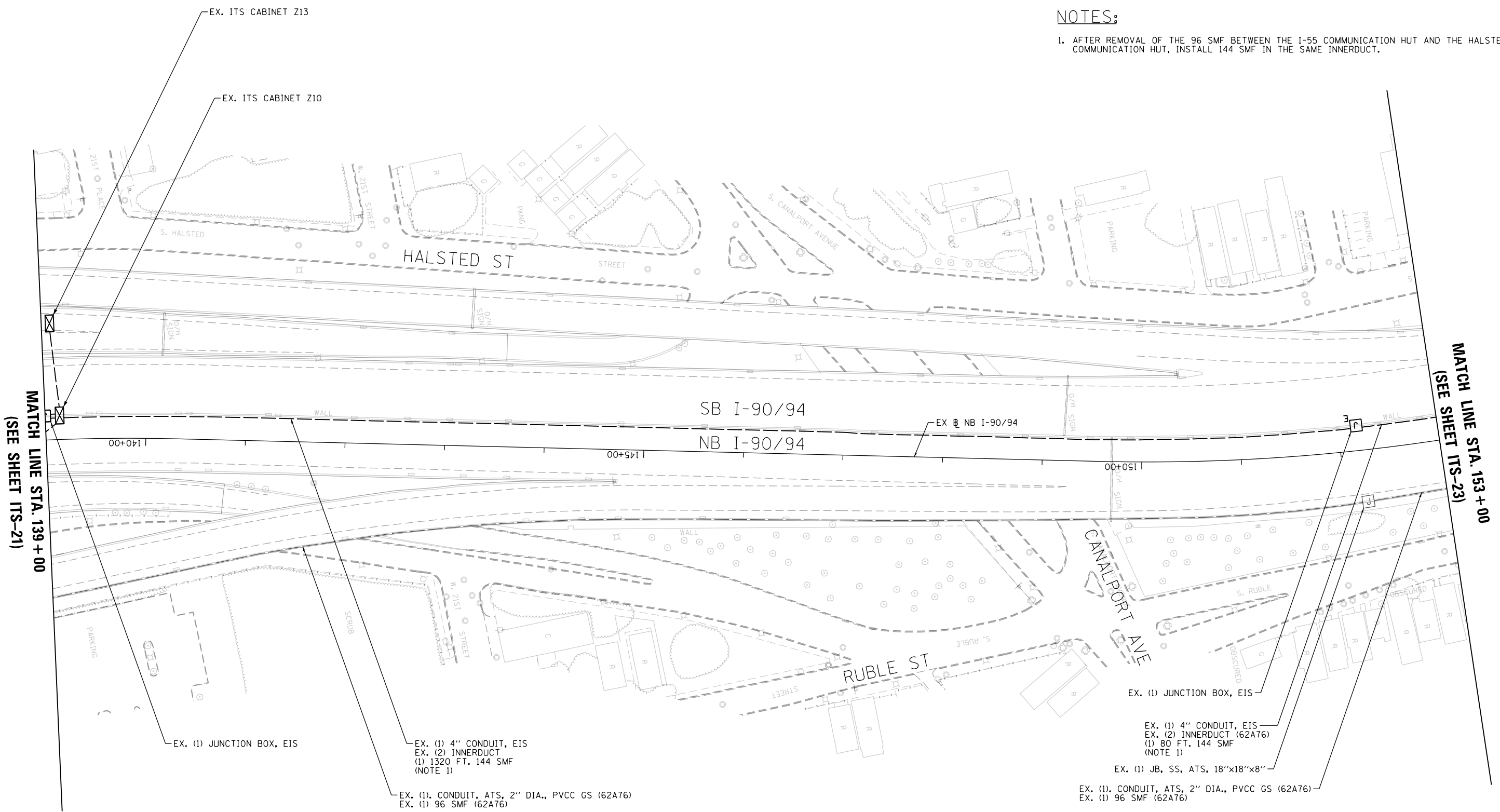
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	164
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

ITS-21



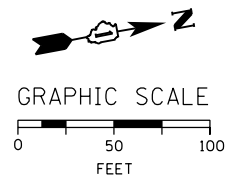
**NOTES:**

1. AFTER REMOVAL OF THE 96 SMF BETWEEN THE I-55 COMMUNICATION HUT AND THE HALSTED COMMUNICATION HUT, INSTALL 144 SMF IN THE SAME INNERDUCT.



MATCH LINE STA. 139 + 00  
(SEE SHEET ITS-21)

MATCH LINE STA. 153 + 00  
(SEE SHEET ITS-23)



ITS-22

FILE PATH = p:\aecom\ms-ansi\ecommon\line\local\AECOM\_0502\_MN\Documents\01\_Americas\Transportation\60269938\_Circle Phase II\000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-sh-ITS-22



D160Y00-sh-ITS-22	DESIGNED - PTJ	REVISED -
USER NAME = patrick.jordan	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 1/26/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

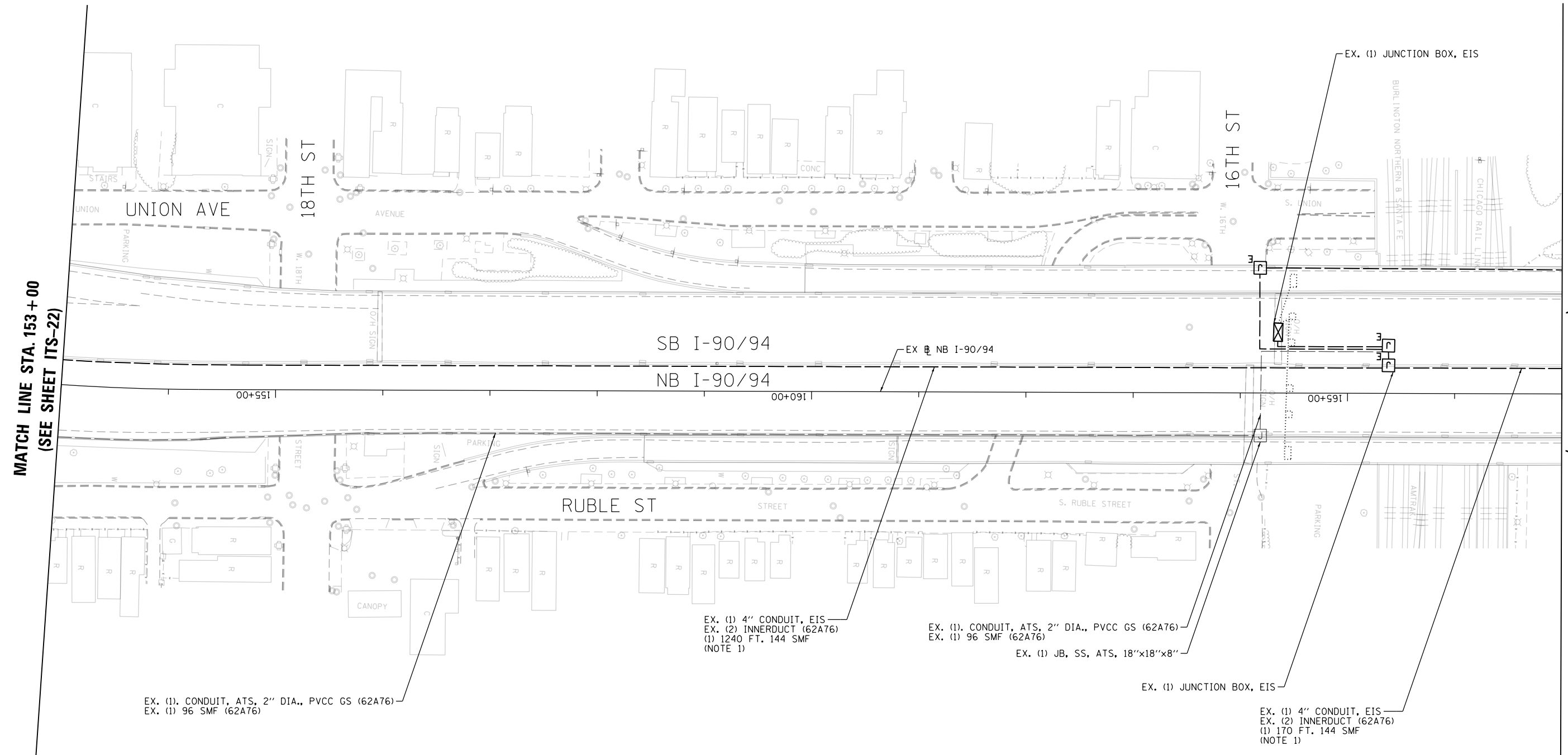
**PROPOSED MASTER ITS PLAN**

SCALE: 1"=50' SHEET 22 OF 102 SHEETS STA. 139+00 TO STA. 153+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	165
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

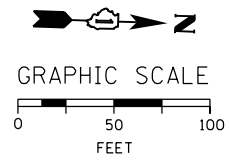
**NOTES:**

- AFTER REMOVAL OF THE 96 SMF BETWEEN THE I-55 COMMUNICATION HUT AND THE HALSTED COMMUNICATION HUT, INSTALL 144 SMF IN THE SAME INNERDUCT.



MATCH LINE STA. 153 + 00  
(SEE SHEET ITS-22)

MATCH LINE STA. 167 + 00  
(SEE SHEET ITS-24)



ITS-23

FILE PATH = p:\aecom\ms-ansi\ecom\line\local\AECOM\_DS02\_IL\000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-23



D160Y00-shr-ITS-23	DESIGNED - PTJ	REVISED -
USER NAME = patrick.jordan	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 1/27/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

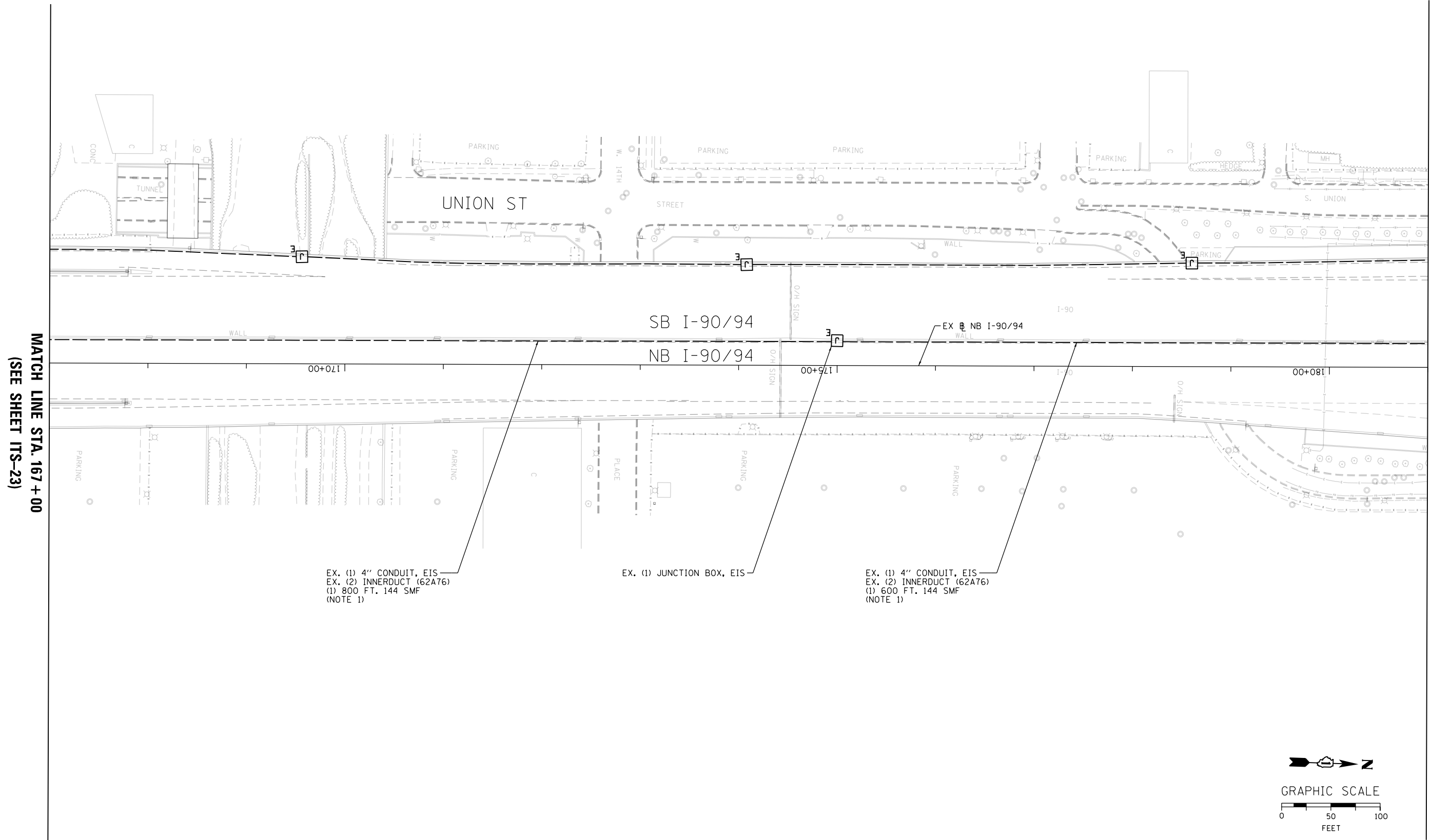
**PROPOSED MASTER ITS PLAN**

SCALE: 1"=50' SHEET 23 OF 102 SHEETS STA. 153+00 TO STA. 167+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	166
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. AFTER REMOVAL OF THE 96 SMF BETWEEN THE I-55 COMMUNICATION HUT AND THE HALSTED COMMUNICATION HUT, INSTALL 144 SMF IN THE SAME INNERDUCT.



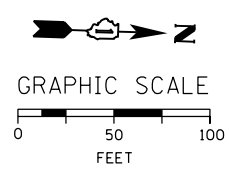
MATCH LINE STA. 167 + 00  
(SEE SHEET ITS-23)

MATCH LINE STA. 181 + 00  
(SEE SHEET ITS-25)

EX. (1) 4" CONDUIT, EIS  
EX. (2) INNERDUCT (62A76)  
(1) 800 FT. 144 SMF  
(NOTE 1)

EX. (1) JUNCTION BOX, EIS

EX. (1) 4" CONDUIT, EIS  
EX. (2) INNERDUCT (62A76)  
(1) 600 FT. 144 SMF  
(NOTE 1)



ITS-24

FILE PATH = p:\aecom\ms-ansi\ecom\local\AECOM\_DS02\_IL\000\_CAD\000\_Roadway\Sheets\60Y00\_Contract\0160Y00-shr-ITS-24



D160Y00-shr-ITS-24	DESIGNED - PTJ	REVISED -
USER NAME = patrick.jordan	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 1/26/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED MASTER ITS PLAN**

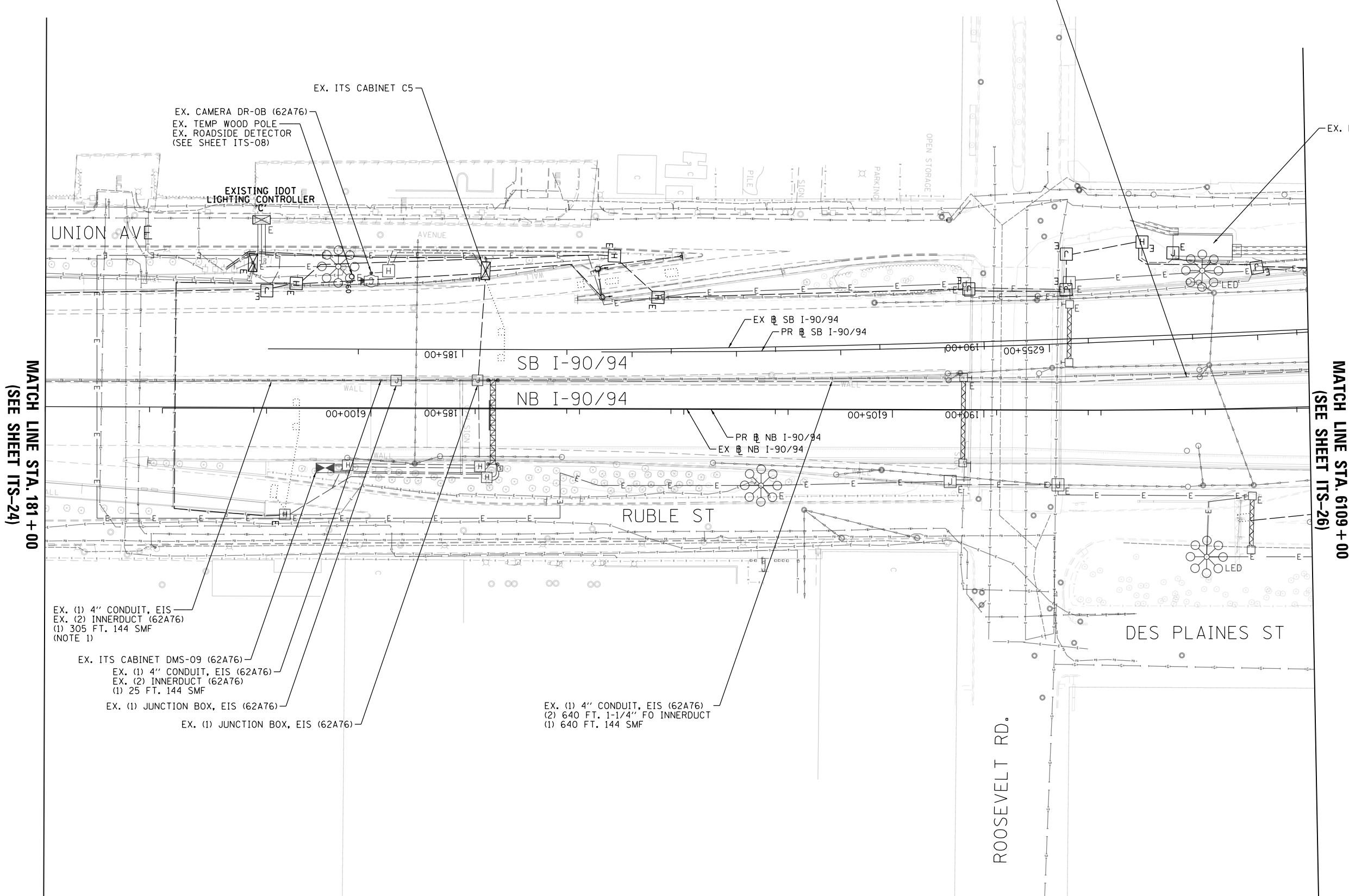
SCALE: 1"=50'    SHEET 24 OF 102 SHEETS    STA. 167+00 TO STA. 181+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	167
CONTRACT NO. 60Y00			ILLINOIS FED. AID PROJECT	

**NOTES:**

1. AFTER REMOVAL OF THE 96 SMF BETWEEN THE I-55 COMMUNICATION HUT AND THE HALSTED COMMUNICATION HUT, INSTALL 144 SMF IN THE SAME INNERDUCT.

EX. (1) 4" CONDUIT, EIS (62A77)  
 (2) 240 FT. 1-1/4" FO INNERDUCT  
 (1) 240 FT. 144 SMF



MATCH LINE STA. 181+00  
 (SEE SHEET ITS-24)

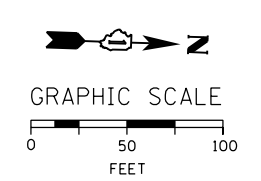
MATCH LINE STA. 6109+00  
 (SEE SHEET ITS-26)

EX. (1) 4" CONDUIT, EIS  
 EX. (2) INNERDUCT (62A76)  
 (1) 305 FT. 144 SMF  
 (NOTE 1)

EX. ITS CABINET DMS-09 (62A76)  
 EX. (1) 4" CONDUIT, EIS (62A76)  
 EX. (2) INNERDUCT (62A76)  
 (1) 25 FT. 144 SMF

EX. (1) JUNCTION BOX, EIS (62A76)  
 EX. (1) JUNCTION BOX, EIS (62A76)

EX. (1) 4" CONDUIT, EIS (62A76)  
 (2) 640 FT. 1-1/4" FO INNERDUCT  
 (1) 640 FT. 144 SMF



FILE PATH = p:\aecom\ms-ansi\ecomm\line\local\AECOM\_DS02\_IL\000\_CAD\006\_Roadway\Sheets\60Y00\_Contract\0160Y00-shr-ITS-25



D160Y00-shr-ITS-25  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/27/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

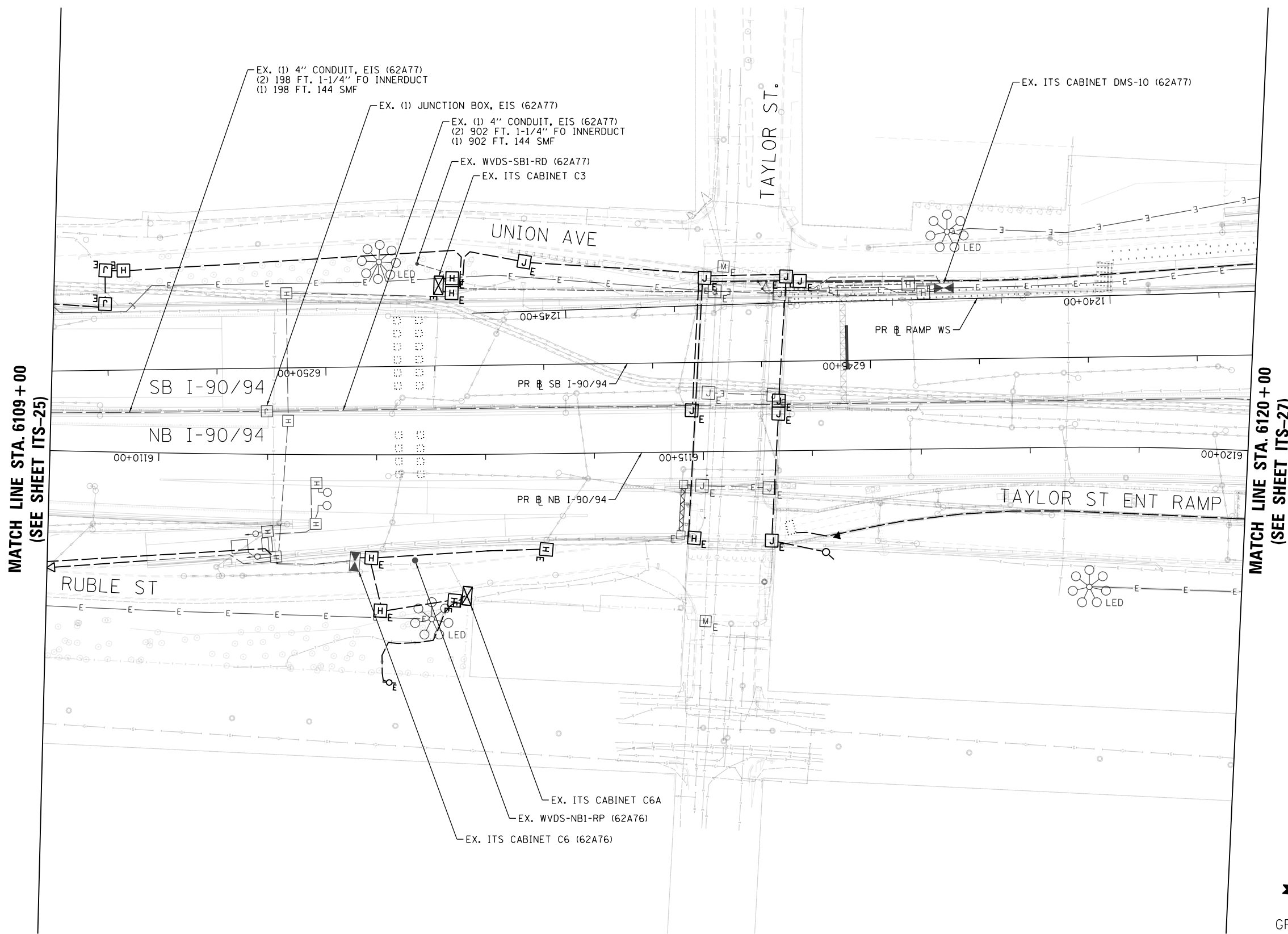
**PROPOSED MASTER ITS PLAN**

SCALE: 1"=50'    SHEET 25 OF 102 SHEETS    STA.    TO STA. 6109+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	168
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

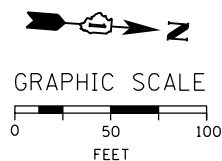
ITS-25

FILE PATH = p:\AECOM\NA-AWS\ecommon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase 1\000 CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-26



MATCH LINE STA. 6109+00  
(SEE SHEET ITS-25)

MATCH LINE STA. 6120+00  
(SEE SHEET ITS-27)



ITS-26



D160Y00-shr-ITS-26  
USER NAME = patrick.jordan  
PLOT SCALE = 100.0000' / in.  
PLOT DATE = 1/27/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

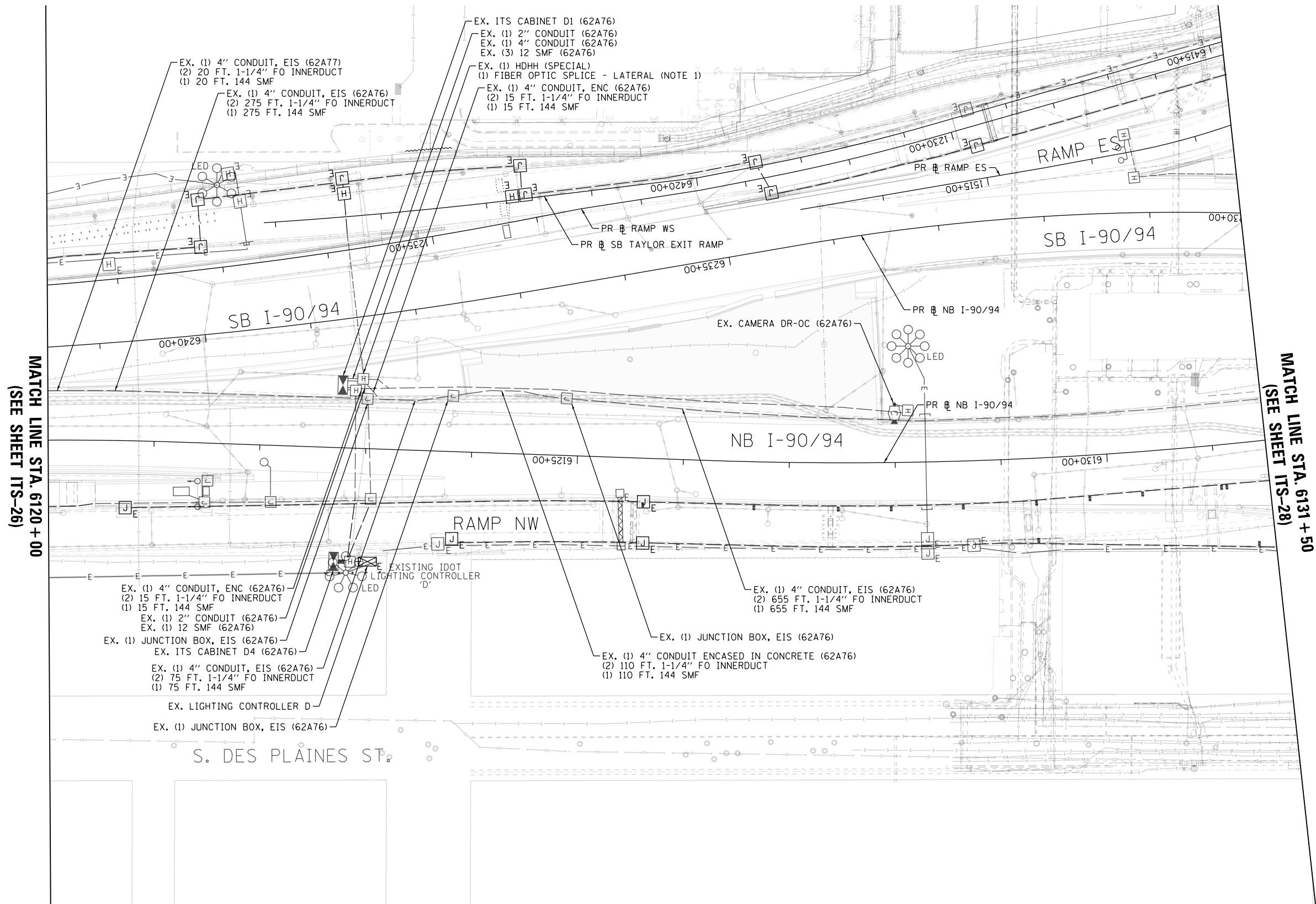
PROPOSED MASTER ITS PLAN

SCALE: 1"=50' SHEET 26 OF 102 SHEETS STA. 6109+00 TO STA. 6120+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	169
CONTRACT NO. 60Y00			ILLINOIS FED. AID PROJECT	

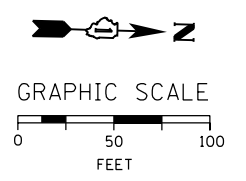
**NOTES:**

1. SPLICE 12 SMF CABLE (BY OTHERS) TO THE 144 SMF CABLE IN THE HANDHOLE. THIS WILL REQUIRE COORDINATION WITH CONTRACT 62A76, WHICH INSTALLS THE 12 SMF CABLE. REFER TO THE COMMUNICATIONS SHEETS FOR FIBER ASSIGNMENTS.



MATCH LINE STA. 6120 + 00  
(SEE SHEET ITS-26)

MATCH LINE STA. 6131 + 50  
(SEE SHEET ITS-28)



FILE PATH = p:\aecom\ms-ansi\escom\line\local\AECOM\_DS02\_IL\000\_CAD\006\_Roadway\Sheets\60Y00\_Contract\0160Y00-shr-ITS-27



D160Y00-shr-ITS-27  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/27/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

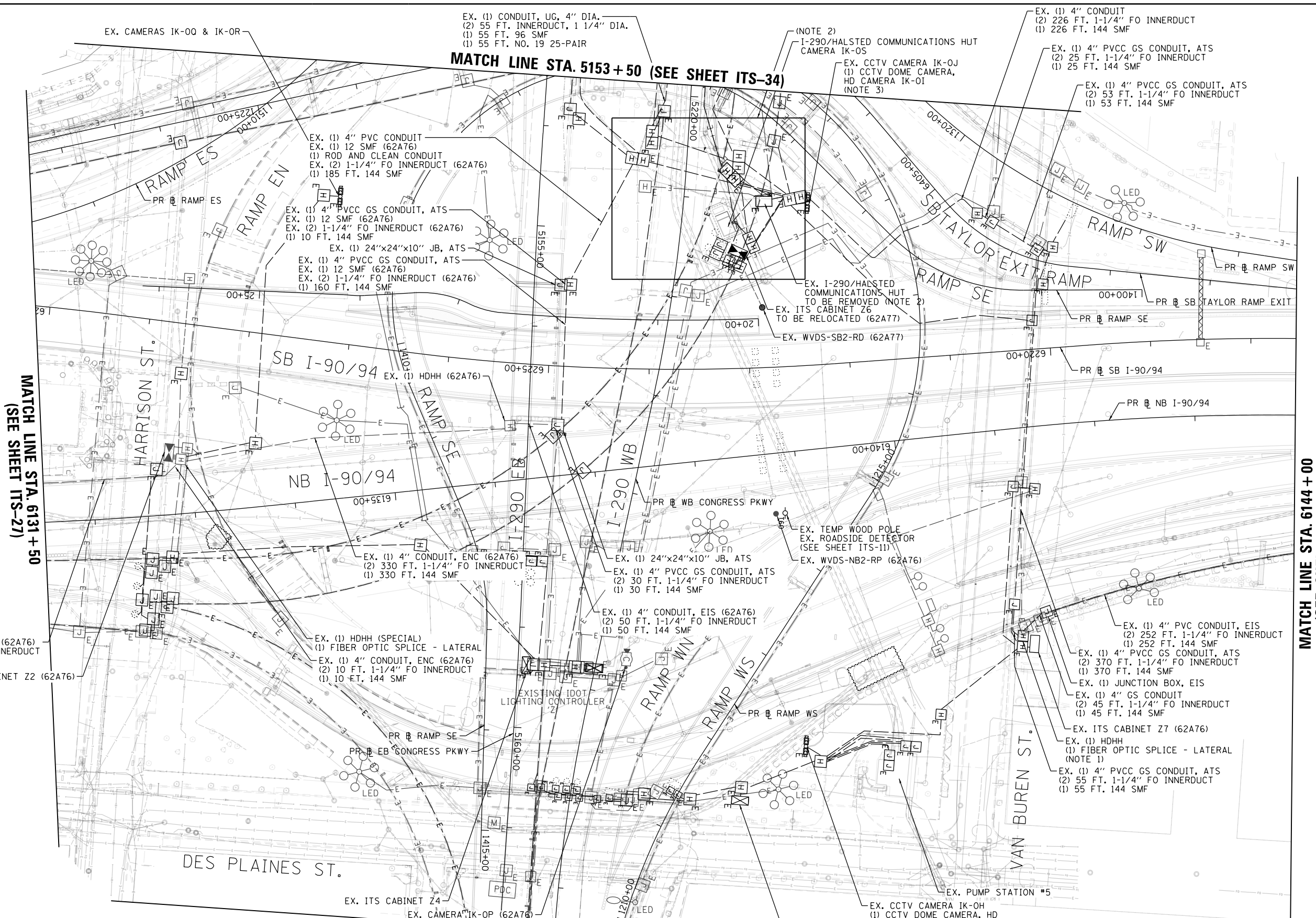
**PROPOSED MASTER ITS PLAN**

SCALE: 1"=50'    SHEET 27 OF 102 SHEETS    STA. 6120+00 TO STA. 6131+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	170
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

ITS-27

FILE PATH = p:\a\ecdm\m-n\si\encom\line\local\ecdm\0502\_NA\_Documents\01\_Americas\Transportation\60269938\_Circle Phase II\000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-28



MATCH LINE STA. 5153 + 50 (SEE SHEET ITS-34)

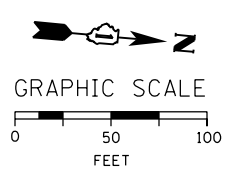
MATCH LINE STA. 6131 + 50 (SEE SHEET ITS-27)

MATCH LINE STA. 6144 + 00 (SEE SHEET ITS-29)

MATCH LINE STA. 5162 + 00 (SEE SHEET ITS-35)

**NOTES:**

1. SPLICE 12 SMF CABLE (BY OTHERS) TO THE 144 SMF CABLE IN THE HANDHOLE (SPECIAL). THIS WILL REQUIRE COORDINATION WITH CONTRACT 62A76, WHICH INSTALLS THE 12 SMF CABLE. REFER TO THE COMMUNICATIONS SHEETS FOR FIBER ASSIGNMENTS.
2. SEE SHEET ITS-40 FOR COMMUNICATIONS HUT SITE PLAN.
3. INSTALL NEW HIGH DEFINITION CAMERA IK-OI AND IK-OG, REUSING THE EXISTING CAMERA STRUCTURES, MOUNTINGS, CABLING, AND EQUIPMENT CABINETS AT EACH SITE.



D160Y00-shr-ITS-28  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/27/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROPOSED MASTER ITS PLAN

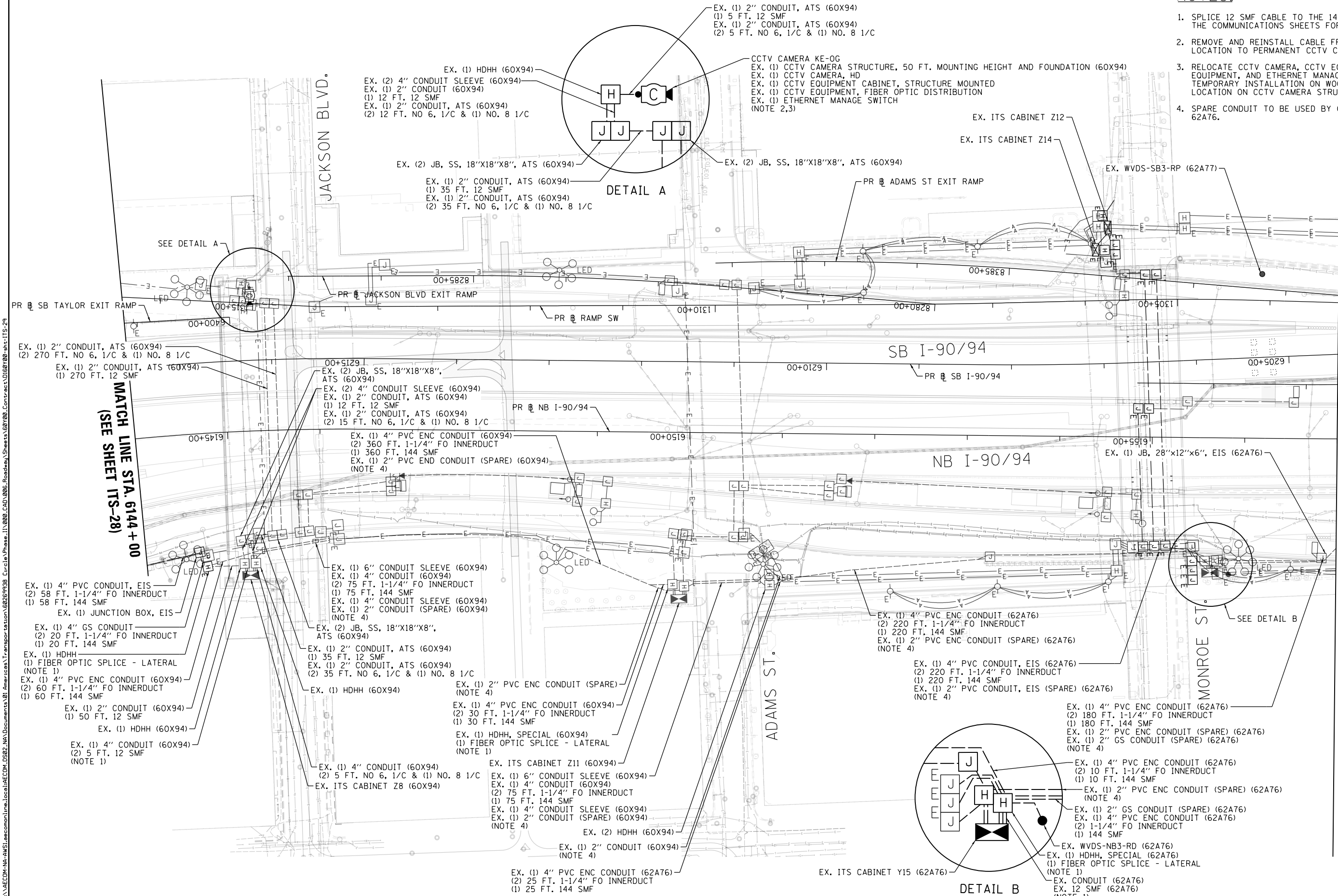
SCALE: 1"=50' SHEET 28 OF 102 SHEETS STA. 6131+50 TO STA. 6144+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	171
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

ITS-28

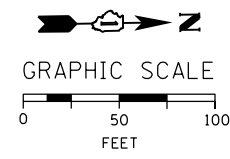
**NOTES:**

1. SPLICE 12 SMF CABLE TO THE 144 SMF CABLE. REFER TO THE COMMUNICATIONS SHEETS FOR FIBER ASSIGNMENTS.
2. REMOVE AND REINSTALL CABLE FROM TEMPORARY CAMERA LOCATION TO PERMANENT CCTV CAMERA LOCATION.
3. RELOCATE CCTV CAMERA, CCTV EQUIPMENT CABINET, CCTV EQUIPMENT, AND ETHERNET MANAGE SWITCH FROM TEMPORARY INSTALLATION ON WOOD POLE TO PERMANENT LOCATION ON CCTV CAMERA STRUCTURE.
4. SPARE CONDUIT TO BE USED BY CONCURRENT CONTRACT 62A76.



MATCH LINE STA. 6144 + 00  
(SEE SHEET ITS-28)

MATCH LINE STA. 6157 + 00  
(SEE SHEET ITS-30)



ITS-29

FILE PATH = p:\aecom\ms-ansi\encom\local\local\ecom\DS02\_MN\Documents\01\_Americas\Transportation\60269938\_Circle Phase II\000 CAD\046\_Roadway\_Sheets\60X94\_Contract\0160\00-ans-ITS-29



D160Y00-sh-ITS-29  
USER NAME = patrick.jordan  
PLOT SCALE = 100.0000' / in.  
PLOT DATE = 1/28/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED MASTER ITS PLAN**

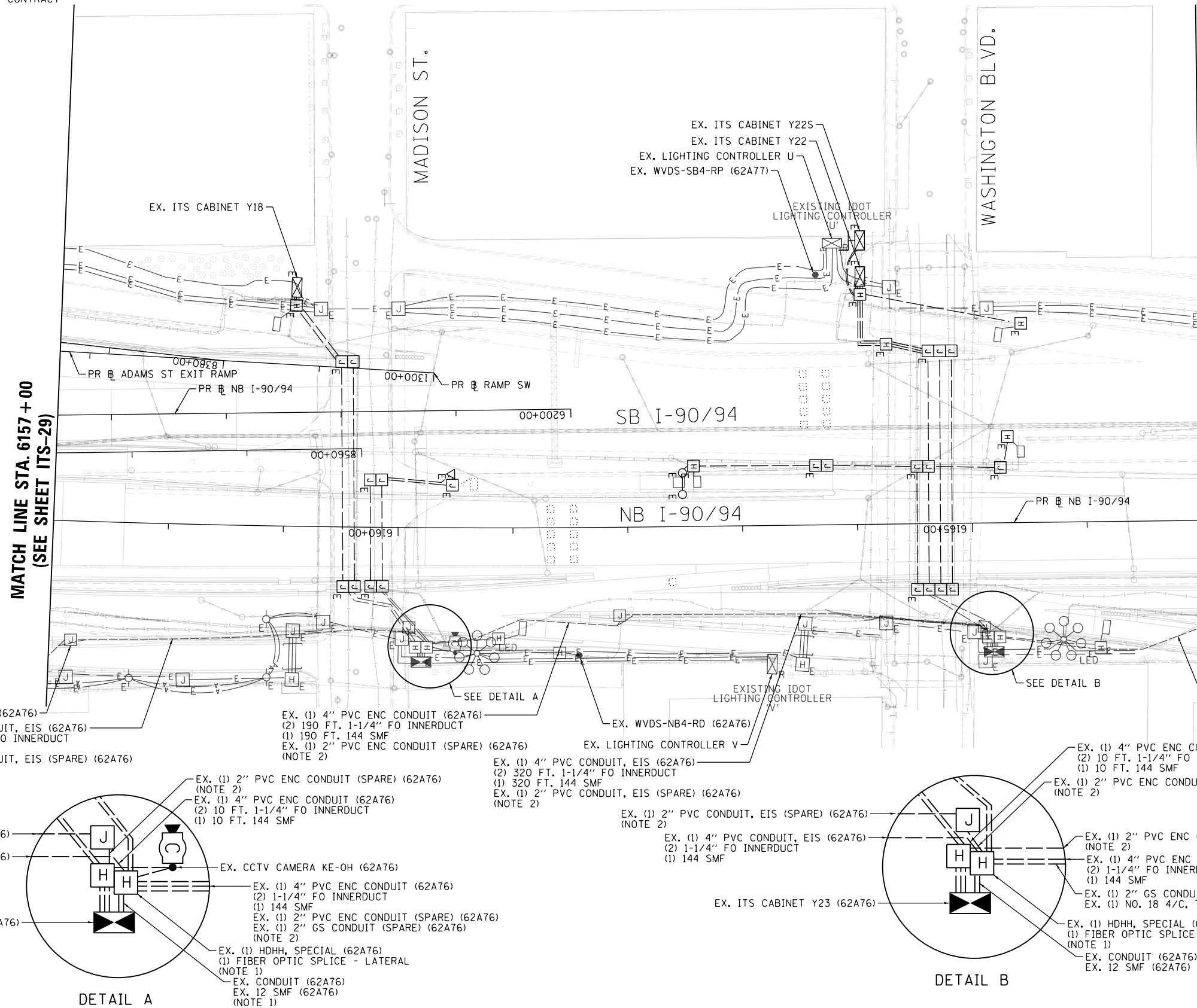
SCALE: 1"=50' SHEET 29 OF 102 SHEETS STA. 6144+00 TO STA. 6157+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	172
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. SPLICE 12 SMF CABLE (BY OTHERS) TO THE 144 SMF CABLE. THIS WILL REQUIRE COORDINATION WITH CONTRACT 62A76, WHICH INSTALLS THE 12 SMF CABLE. REFER TO THE COMMUNICATIONS SHEETS FOR FIBER ASSIGNMENTS.
2. SPARE CONDUIT TO BE USED BY CONCURRENT CONTRACT 62A76.



MATCH LINE STA. 6157 + 00  
(SEE SHEET ITS-29)

MATCH LINE STA. 6167 + 00  
(SEE SHEET ITS-31)

EX. (1) JB, 28"x12"x6", EIS (62A76)  
 EX. (1) 4" PVC CONDUIT, EIS (62A76)  
 (2) 300 FT. 1-1/4" FO INNERDUCT  
 (1) 300 FT. 144 SMF  
 EX. (1) 2" PVC CONDUIT, EIS (SPARE) (62A76)  
 (NOTE 2)

EX. (1) 4" PVC ENC CONDUIT (62A76)  
 (2) 190 FT. 1-1/4" FO INNERDUCT  
 (1) 190 FT. 144 SMF  
 EX. (1) 2" PVC ENC CONDUIT (SPARE) (62A76)  
 (NOTE 2)

EX. (1) 4" PVC CONDUIT, EIS (62A76)  
 (2) 320 FT. 1-1/4" FO INNERDUCT  
 (1) 320 FT. 144 SMF  
 EX. (1) 2" PVC CONDUIT, EIS (SPARE) (62A76)  
 (NOTE 2)

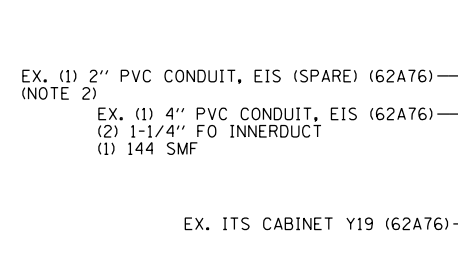
EX. (1) 4" PVC ENC CONDUIT (62A76)  
 (2) 190 FT. 1-1/4" FO INNERDUCT  
 (1) 190 FT. 144 SMF  
 EX. (1) 2" PVC ENC CONDUIT (SPARE) (62A76)  
 (NOTE 2)

EX. (1) 2" PVC CONDUIT, EIS (SPARE) (62A76)  
 (NOTE 2)  
 EX. (1) 4" PVC CONDUIT, EIS (62A76)  
 (2) 1-1/4" FO INNERDUCT  
 (1) 144 SMF

EX. (1) 2" PVC ENC CONDUIT (SPARE) (62A76)  
 (NOTE 2)  
 EX. (1) 4" PVC ENC CONDUIT (62A76)  
 (2) 10 FT. 1-1/4" FO INNERDUCT  
 (1) 10 FT. 144 SMF

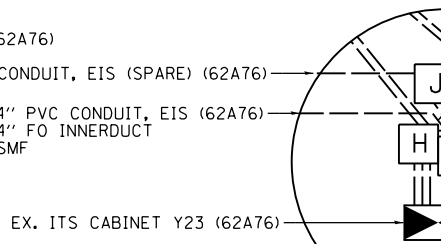
EX. (1) 2" PVC CONDUIT, EIS (SPARE) (62A76)  
 (NOTE 2)  
 EX. (1) 4" PVC CONDUIT, EIS (62A76)  
 (2) 1-1/4" FO INNERDUCT  
 (1) 144 SMF

EX. (1) 4" PVC ENC CONDUIT (62A76)  
 (2) 10 FT. 1-1/4" FO INNERDUCT  
 (1) 10 FT. 144 SMF  
 EX. (1) 2" PVC ENC CONDUIT (SPARE) (62A76)  
 (NOTE 2)



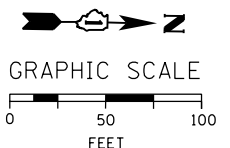
DETAIL A

EX. CCTV CAMERA KE-OH (62A76)  
 EX. (1) 4" PVC ENC CONDUIT (62A76)  
 (2) 1-1/4" FO INNERDUCT  
 (1) 144 SMF  
 EX. (1) 2" PVC ENC CONDUIT (SPARE) (62A76)  
 EX. (1) 2" GS CONDUIT (SPARE) (62A76)  
 (NOTE 2)  
 EX. (1) HDHH, SPECIAL (62A76)  
 (1) FIBER OPTIC SPLICE - LATERAL  
 (NOTE 1)  
 EX. CONDUIT (62A76)  
 EX. 12 SMF (62A76)  
 (NOTE 1)



DETAIL B

EX. (1) 2" PVC ENC CONDUIT (SPARE) (62A76)  
 (NOTE 2)  
 EX. (1) 4" PVC ENC CONDUIT (62A76)  
 (2) 1-1/4" FO INNERDUCT  
 (1) 144 SMF  
 EX. (1) 2" GS CONDUIT (62A76)  
 EX. (1) NO. 18 4/C, TW, SH (62A76)  
 EX. (1) HDHH, SPECIAL (62A76)  
 (1) FIBER OPTIC SPLICE - LATERAL  
 (NOTE 1)  
 EX. CONDUIT (62A76)  
 EX. 12 SMF (62A76)



FILE PATH = p:\naecom\ms-ansi\encom\local\ecom\_0502\_ma\_documents\americas\transportation\60269938\_Circle Phase\_1\000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-30



D160Y00-shr-ITS-30  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/28/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED MASTER ITS PLAN**

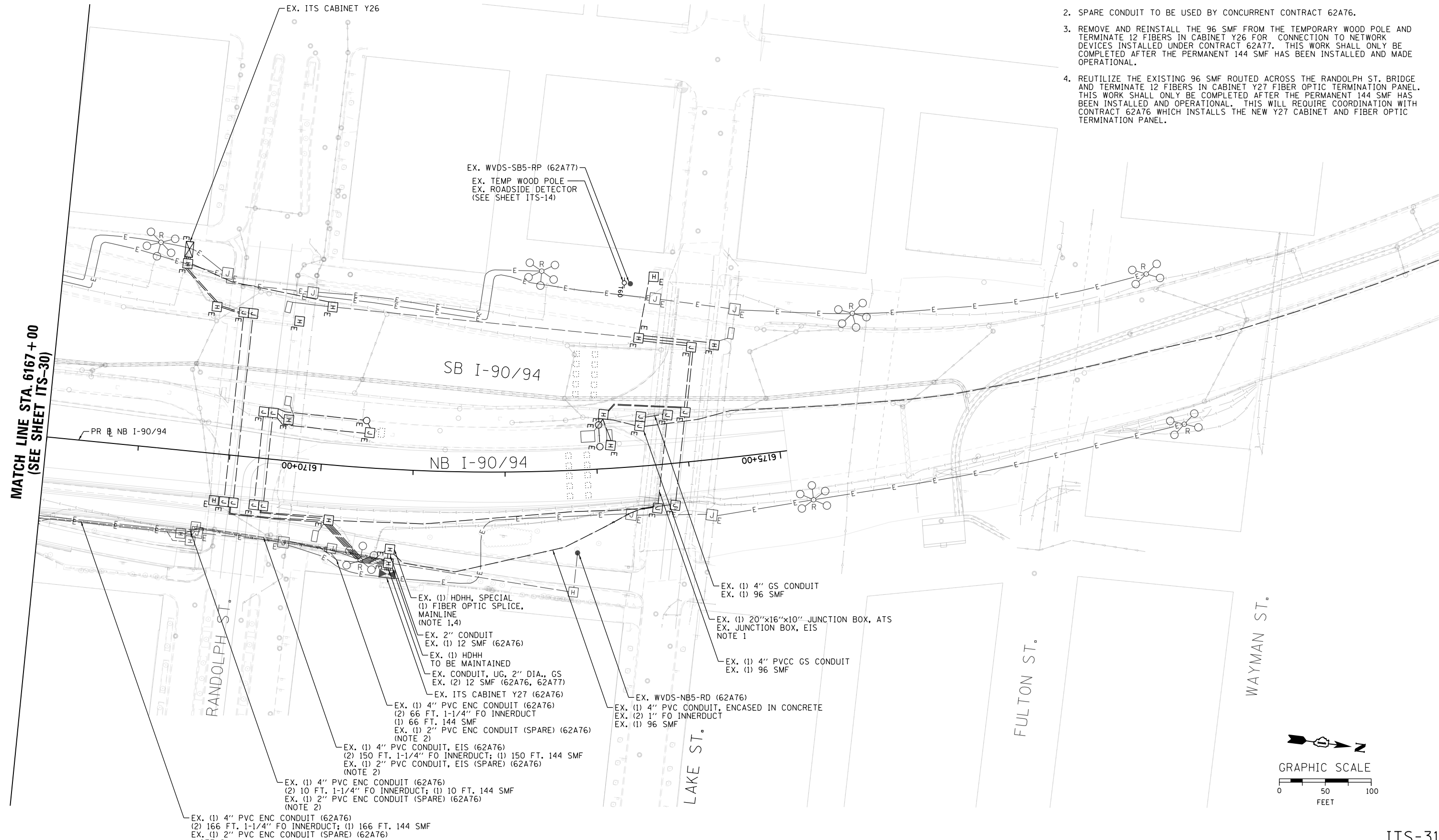
SCALE: 1"=50' SHEET 30 OF 102 SHEETS STA. 6157+00 TO STA. 6167+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	173
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

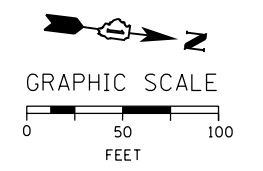
ITS-30

**NOTES:**

1. SPLICE 12 SMF CABLE (BY OTHERS) TO THE 144 SMF CABLE AND THE EXISTING 96 SMF CABLE. THIS WILL REQUIRE COORDINATION WITH CONTRACT 62A76 WHICH INSTALLS THE 12 SMF CABLE. REFER TO THE COMMUNICATIONS SHEETS FOR FIBER ASSIGNMENTS.
2. SPARE CONDUIT TO BE USED BY CONCURRENT CONTRACT 62A76.
3. REMOVE AND REINSTALL THE 96 SMF FROM THE TEMPORARY WOOD POLE AND TERMINATE 12 FIBERS IN CABINET Y26 FOR CONNECTION TO NETWORK DEVICES INSTALLED UNDER CONTRACT 62A77. THIS WORK SHALL ONLY BE COMPLETED AFTER THE PERMANENT 144 SMF HAS BEEN INSTALLED AND MADE OPERATIONAL.
4. REUTILIZE THE EXISTING 96 SMF ROUTED ACROSS THE RANDOLPH ST. BRIDGE AND TERMINATE 12 FIBERS IN CABINET Y27 FIBER OPTIC TERMINATION PANEL. THIS WORK SHALL ONLY BE COMPLETED AFTER THE PERMANENT 144 SMF HAS BEEN INSTALLED AND OPERATIONAL. THIS WILL REQUIRE COORDINATION WITH CONTRACT 62A76 WHICH INSTALLS THE NEW Y27 CABINET AND FIBER OPTIC TERMINATION PANEL.



**MATCH LINE STA. 6167 + 00  
(SEE SHEET ITS-30)**



ITS-31

FILE PATH = p:\aecom\ms-ansi\encom\line\local\AECOM\_DS02\_MA\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\1\000\_CAD\005\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-31



D160Y00-shr-ITS-31  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/26/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

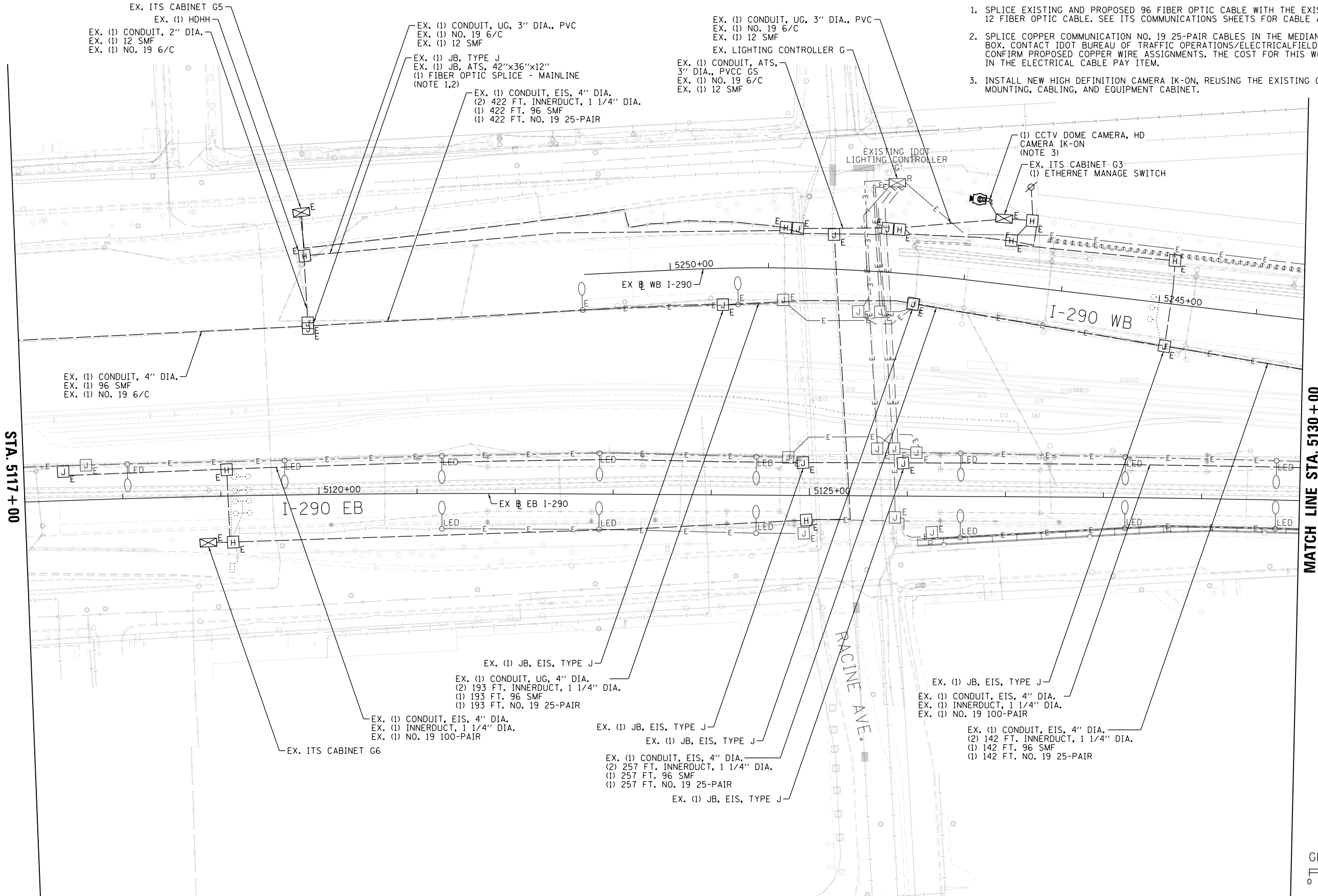
**PROPOSED MASTER ITS PLAN**

SCALE: 1"=50' SHEET 31 OF 102 SHEETS STA. 6167+00 TO STA.

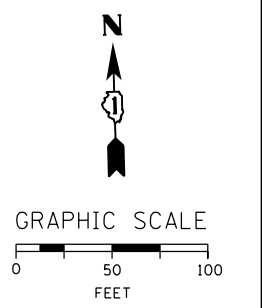
F.A.I. RTE. 90/94/290	SECTION 2014-009L	COUNTY COOK	TOTAL SHEETS 263	SHEET NO. 174
CONTRACT NO. 60Y00			ILLINOIS FED. AID PROJECT	

**NOTES:**

1. SPLICE EXISTING AND PROPOSED 96 FIBER OPTIC CABLE WITH THE EXISTING 12 FIBER OPTIC CABLE. SEE ITS COMMUNICATIONS SHEETS FOR CABLE ASSIGNMENTS.
2. SPLICE COPPER COMMUNICATION NO. 19 25-PAIR CABLES IN THE MEDIAN WALL JUNCTION BOX. CONTACT IDOT BUREAU OF TRAFFIC OPERATIONS/ELECTRICALFIELD OFFICE TO CONFIRM PROPOSED COPPER WIRE ASSIGNMENTS. THE COST FOR THIS WORK IS INCLUDED IN THE ELECTRICAL CABLE PAY ITEM.
3. INSTALL NEW HIGH DEFINITION CAMERA IK-ON, REUSING THE EXISTING CAMERA STRUCTURE, MOUNTING, CABLING, AND EQUIPMENT CABINET.



MATCH LINE STA. 5130 + 00  
(SEE SHEET ITS-33)



ITS-32

FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase II\000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-32



D160Y00-shr-ITS-32	DESIGNED - PTJ	REVISED -
USER NAME = patrick.jordan	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 1/28/2020	DATE - 1/29/2020	REVISED -

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

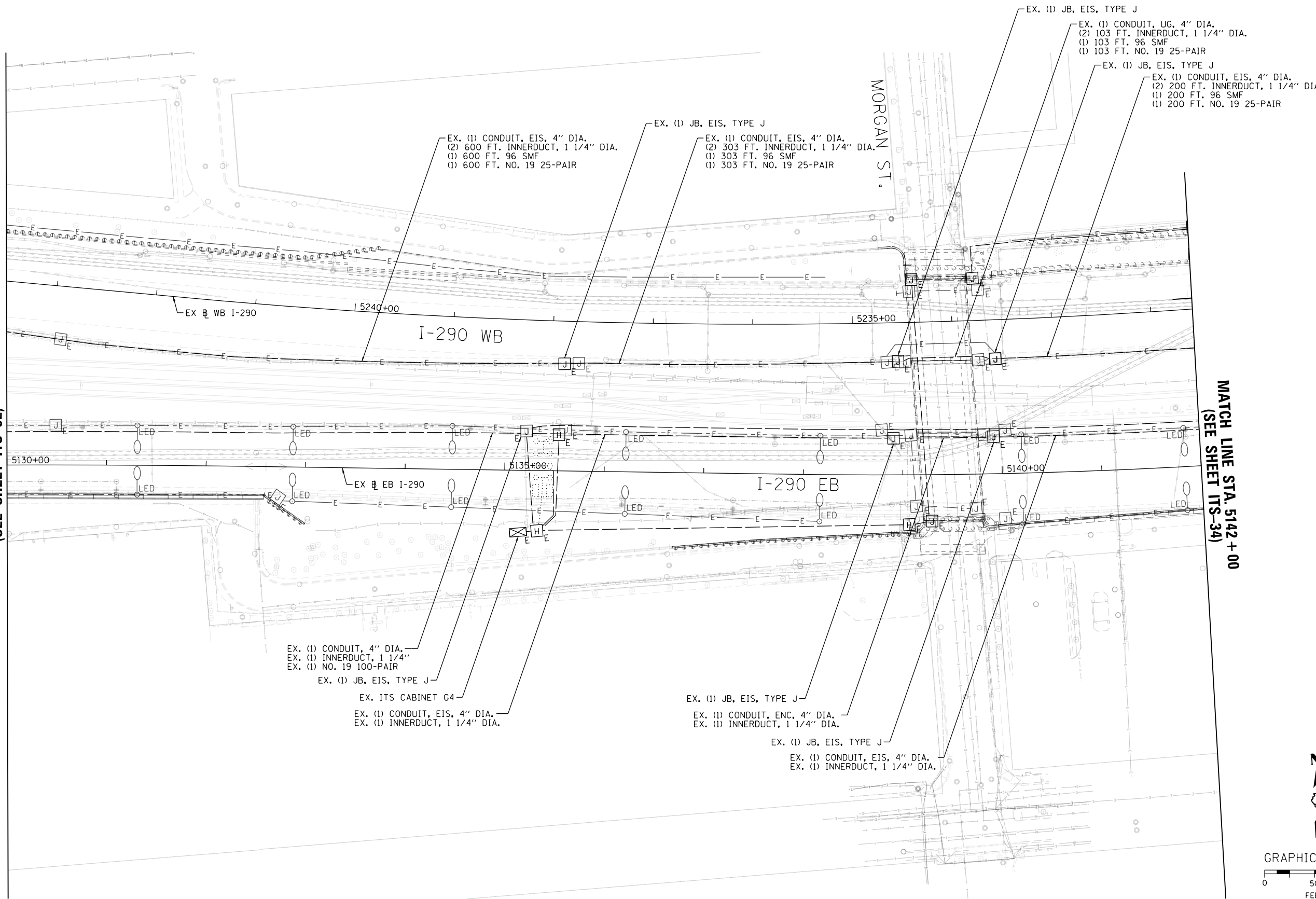
**PROPOSED MASTER ITS PLAN**

SCALE: 1"=50' SHEET 32 OF 102 SHEETS STA. 5117+00 TO STA. 5130+00

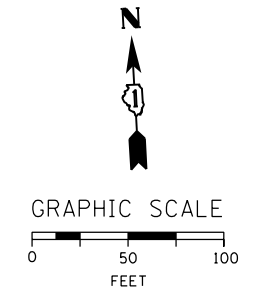
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	175
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\aecom\ms-ansi\ecomm\line\local\AECOM\_DS02\_IL\000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-33

MATCH LINE STA. 5130 + 00  
(SEE SHEET ITS-32)



MATCH LINE STA. 5142 + 00  
(SEE SHEET ITS-34)



ITS-33



D160Y00-shr-ITS-33  
USER NAME = patrick.jordan  
PLOT SCALE = 100.0000' / in.  
PLOT DATE = 1/26/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

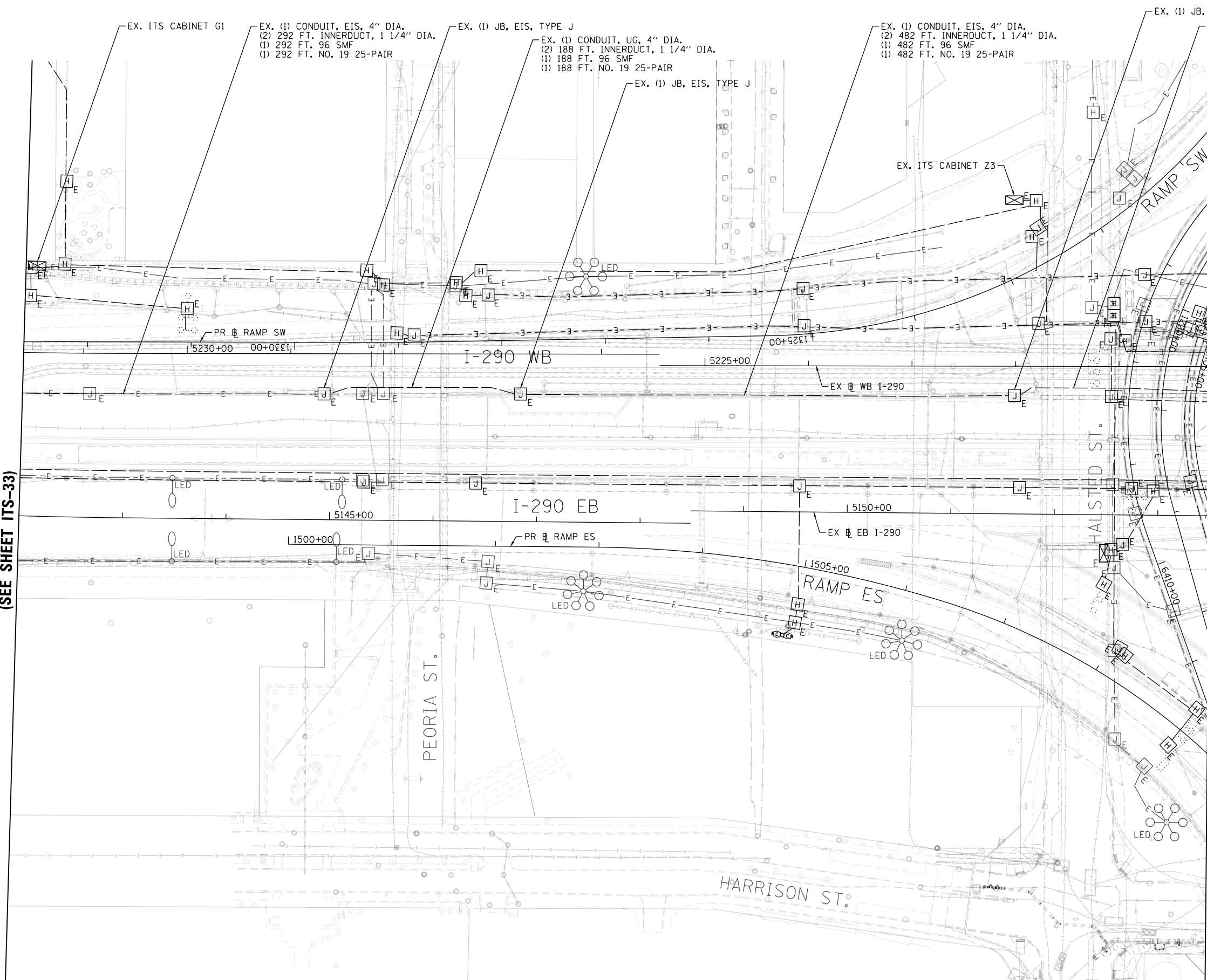
PROPOSED MASTER ITS PLAN

SCALE: 1"=50' SHEET 33 OF 102 SHEETS STA. 5130+00 TO STA. 5142+00

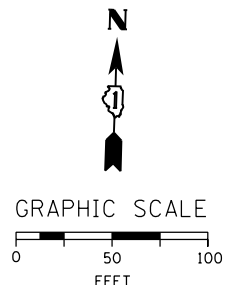
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	176
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\AECOM\NA-AWS\ecommon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase II\000\_CAD\006\_Roadway\Sheets\60Y00\_Contract\0160Y00-shr-ITS-34

MATCH LINE STA. 5142 + 00  
(SEE SHEET ITS-33)



MATCH LINE STA. 5153 + 50  
(SEE SHEET ITS-28)



ITS-34



D160Y00-shr-ITS-34  
USER NAME = patrick.jordan  
PLOT SCALE = 100.0000' / in.  
PLOT DATE = 1/26/2020

DESIGNED - PTJ  
DRAWN - CAM  
CHECKED - MJL  
DATE - 1/29/2020

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

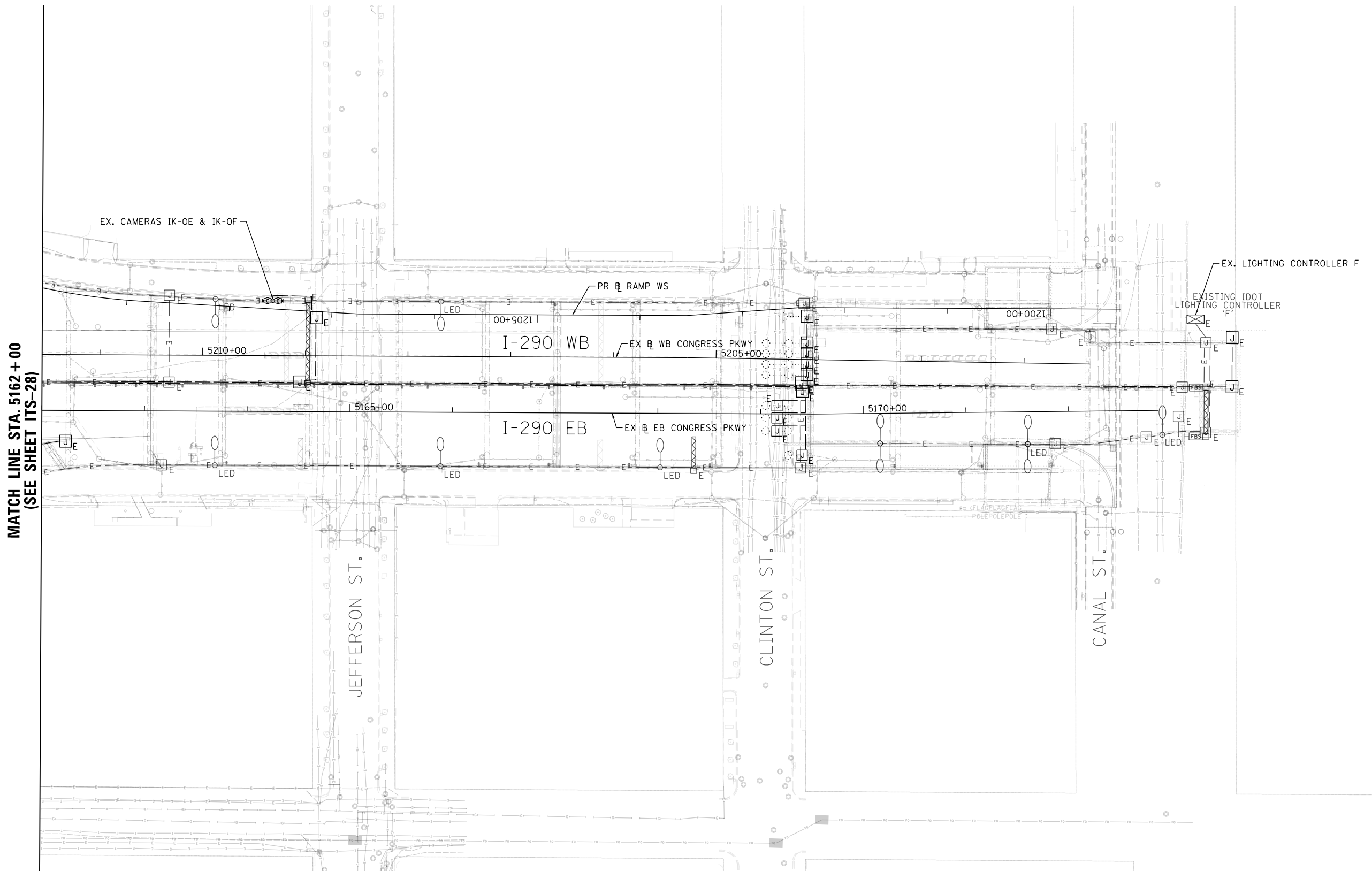
PROPOSED MASTER ITS PLAN

SCALE: 1"=50' SHEET 34 OF 102 SHEETS STA. 5142+00 TO STA. 5153+50

F.A.I. R.T.E. 90/94/290	SECTION 2014-009L	COUNTY COOK	TOTAL SHEETS 263	SHEET NO. 177
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

NOTES:

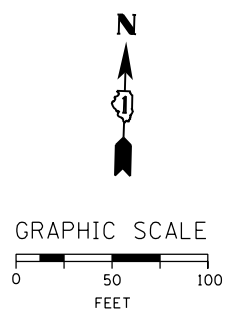
1. INSTALL NEW HIGH DEFINITION CAMERA IK-0A, IK-0B, IK-0C, AND IK-0D ON THE POST OFFICE BRIDGE HOUSE, REUSING THE EXISTING CAMERA MOUNTINGS, CABLING, AND EQUIPMENT AT EACH SITE.



MATCH LINE STA. 5162+00  
(SEE SHEET ITS-28)

STA. 5175+00

NO PROPOSED WORK ON THIS SHEET



ITS-35

FILE PATH = p:\AECOM\NA\MSI\ecom\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase II\000\_CAD\006\_Roadway\Sheets\60Y00\_Contract\0160Y00-shr-ITS-35



D160Y00-shr-ITS-35	DESIGNED - PTJ	REVISED -
USER NAME = patrick.jordan	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 1/26/2020	DATE - 1/29/2020	REVISED -

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

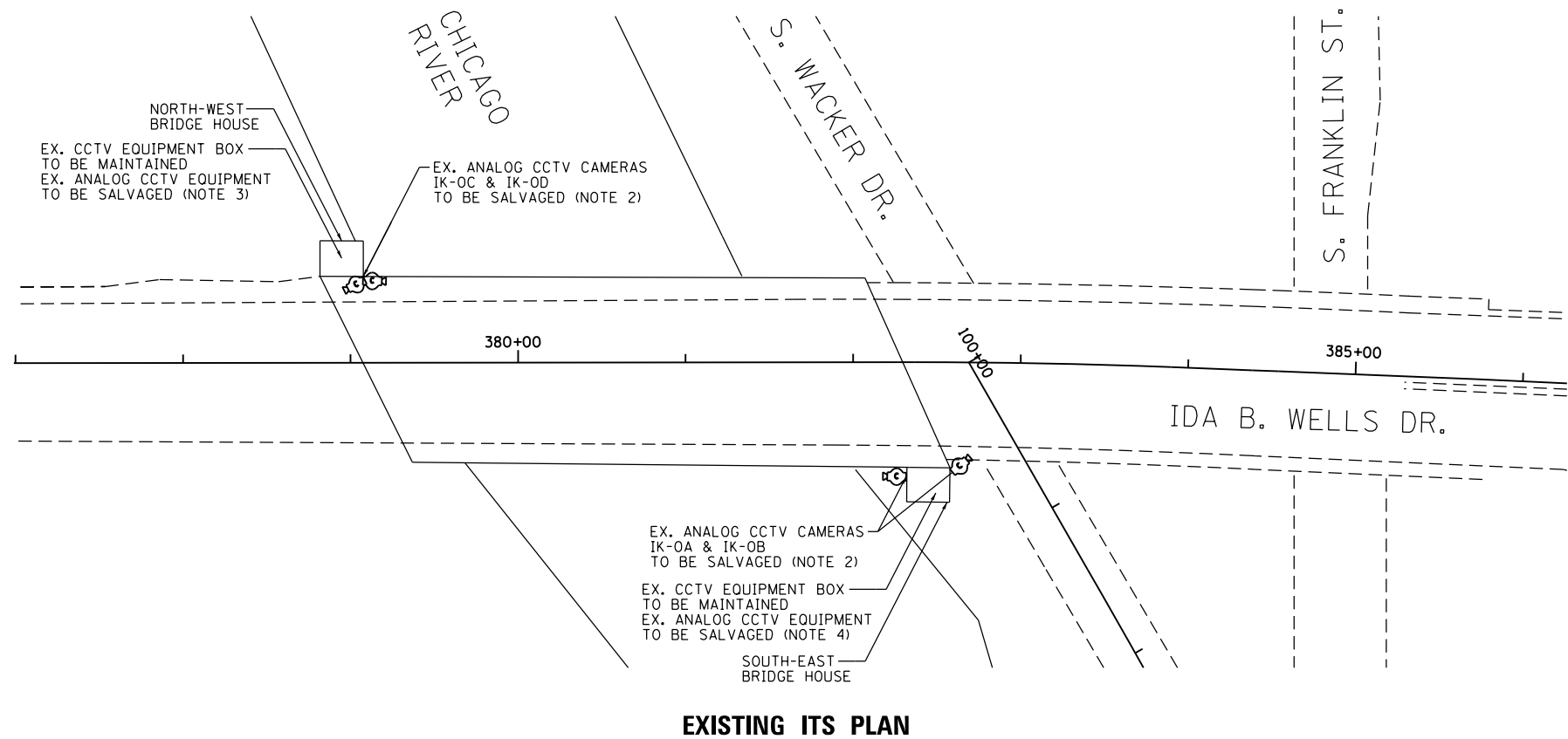
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED MASTER ITS PLAN

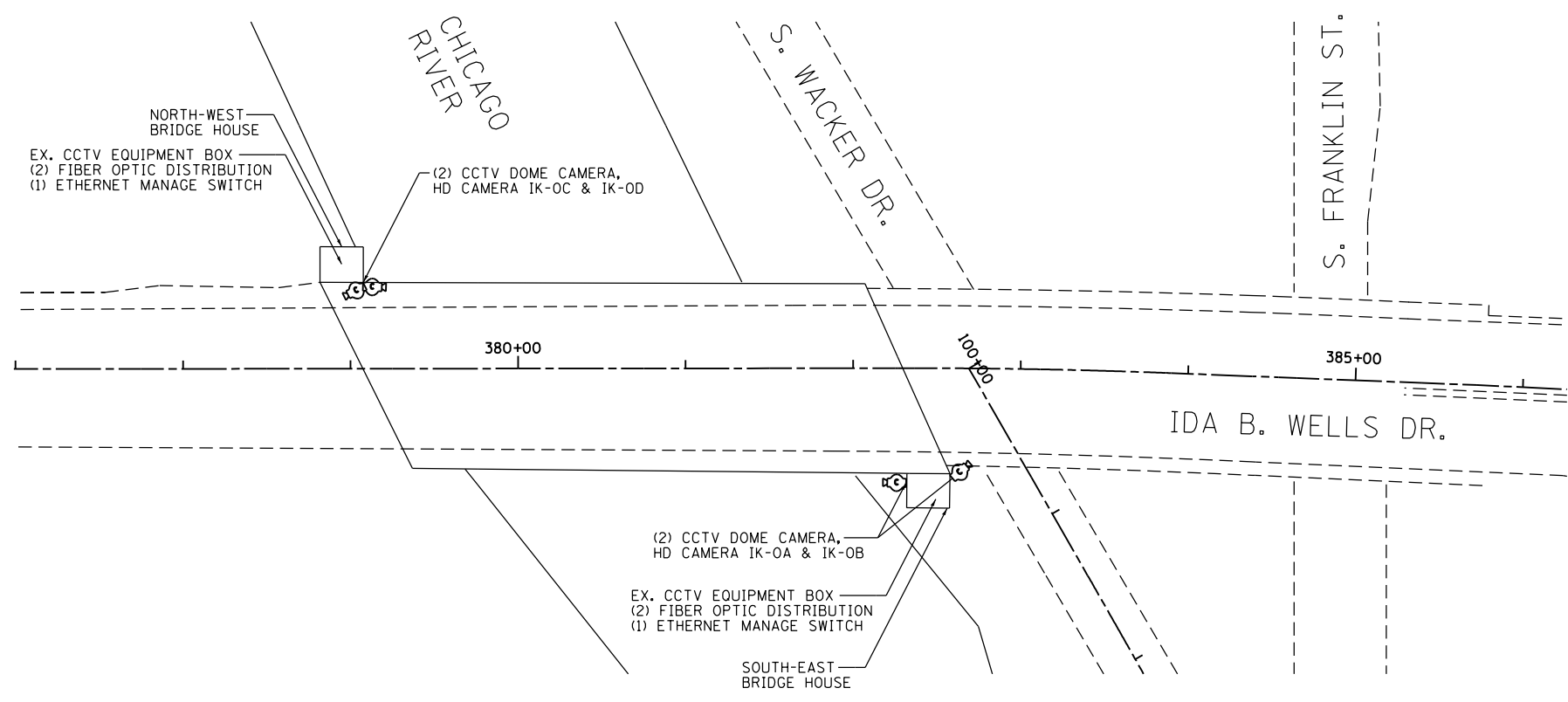
SCALE: 1"=50' SHEET 35 OF 102 SHEETS STA. 5162+00 TO STA. 5175+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	178
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\AECOM\NA-AVSI\ecommon\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase\11\000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-36



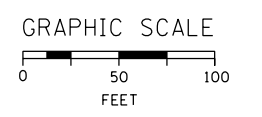
**EXISTING ITS PLAN**



**PROPOSED ITS PLAN**

**NOTES:**

1. EXISTING ANALOG CCTV CAMERAS AND EQUIPMENT INSTALLED IN THE CHICAGO RIVER BRIDGE HOUSES UNDER CONTRACT 60W49 ARE TO BE REPLACED WITH HD IP CAMERAS. SEE SHEETS ITS-37 THROUGH ITS-39 FOR 60W49 STAMPED RECORD DRAWINGS OF THE BRIDGE HOUSES.
2. REMOVE EXISTING ANALOG SURVEILLANCE EQUIPMENT (SALVAGE) WHERE NOTED AND TURN OVER TO IDOT DISTRICT 1. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT" PAY ITEM.
3. NORTHWEST BRIDGE HOUSE CCTV EQUIPMENT BOX IS LOCATED ON THE MEZZANINE LEVEL.
4. SOUTHEAST BRIDGE HOUSE CCTV EQUIPMENT BOX IS LOCATED IN THE OPERATOR'S ROOM.



ITS-36



D160Y00-shr-ITS-36	DESIGNED - PTJ	REVISED -
USER NAME = patrick.jordan	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 1/25/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO RIVER BRIDGE HOUSE ITS PLAN**

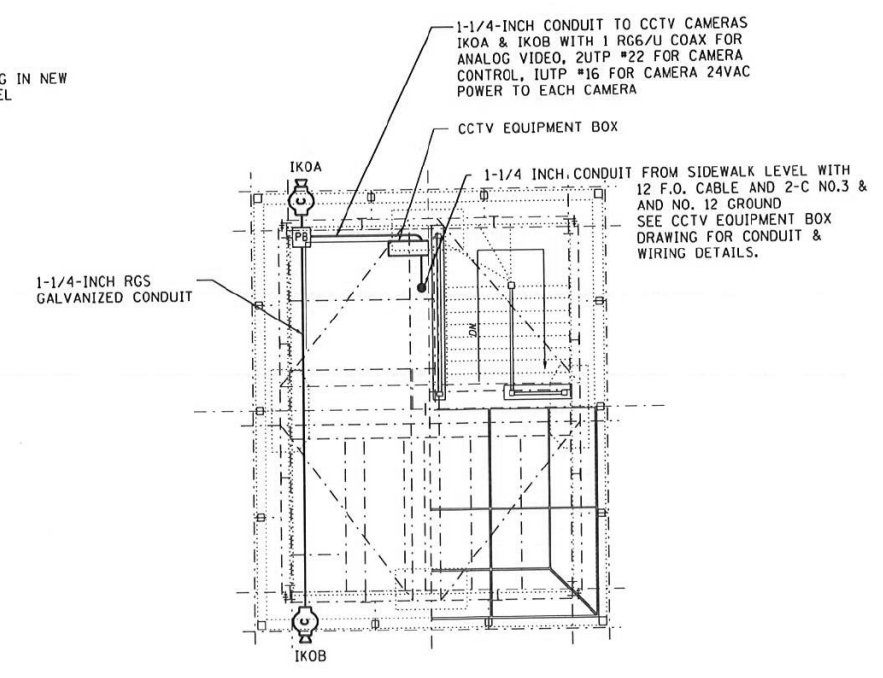
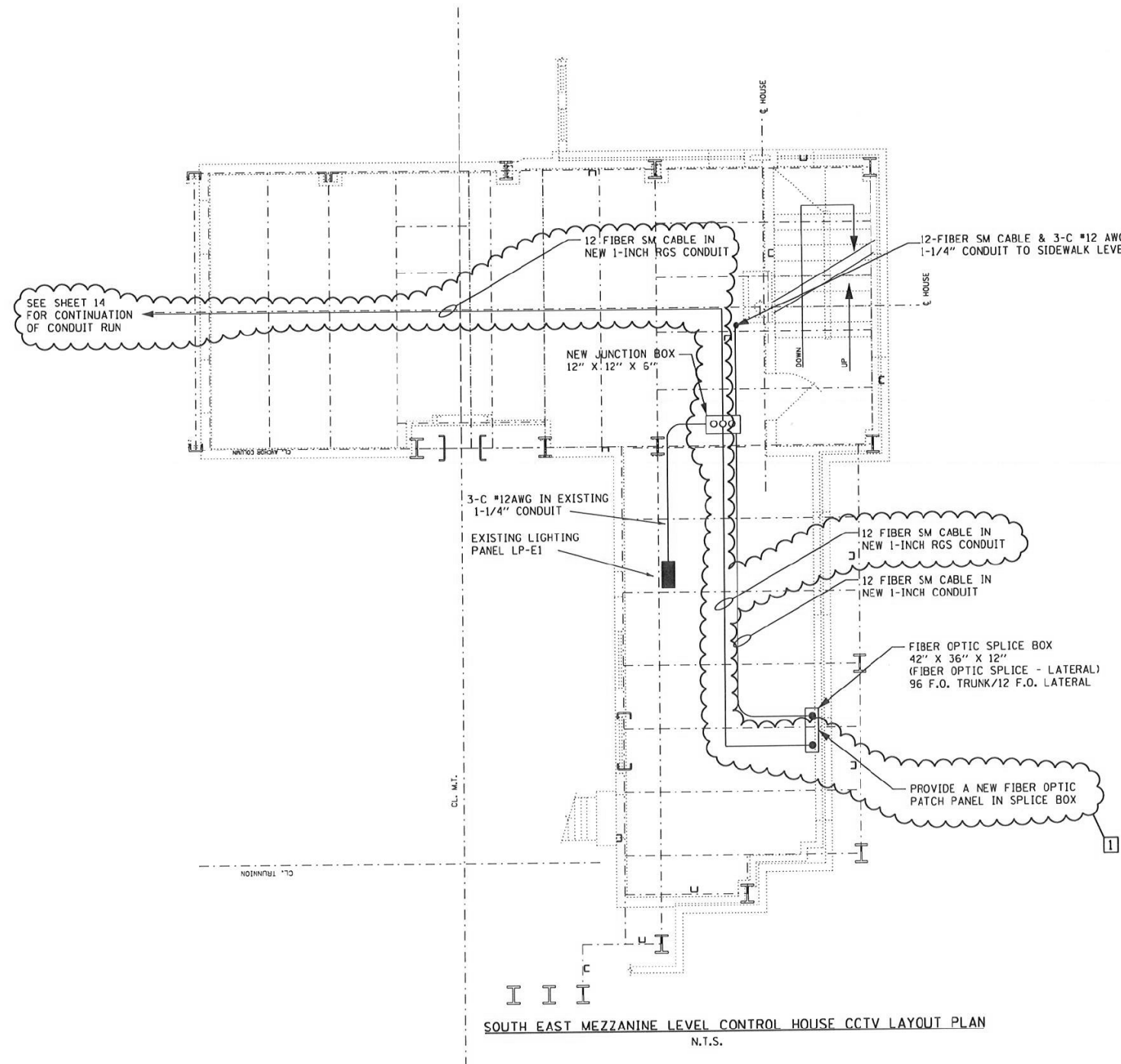
SCALE: 1"=50' SHEET 36 OF 102 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	179
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. FOR GENERAL AND ELECTRICAL NOTES, SEE DWG'S 2, 3 & 4.
2. FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS, SEE DWG. 5
3. FOR PANEL SCHEDULES, SEE DWG 22.
4. FOR EQUIPMENT DESCRIPTIONS SEE ELECTRICAL SPECIFICATIONS.



**EAST SIDE OPERATOR'S ROOM PLAN**  
N.T.S.

**RECORD DRAWING**  
Meade, Inc.

By *[Signature]* Date *11/15*

**SOUTH EAST MEZZANINE LEVEL CONTROL HOUSE CCTV LAYOUT PLAN**  
N.T.S.

850 DOWNS  
850 TIMES

**PARSONS  
BRINCKERHOFF**  
230 West Monroe Street  
Suite 900  
Chicago, IL 60606

USER NAME = mjbrac	DESIGNED - D. DRAKULICH	REVISED - [1] 5/23/2014 W.D.S.
FILE NAME	DRAWN - E. MALUSEL	REVISED -
PLOT SCALE = 4/8" = 1' / in.	CHECKED - S. STERN	REVISED -
PLOT DATE = 10/18/2013	DATE - 10/18/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CCTV SYSTEM, I-90/94 TO CONGRESS PARKWAY EAST SIDE MEZZANINE LEVEL AND OPERATOR'S ROOM</b>	
SCALE: AS SHOWN	SHEET NO. OF SHEETS STA. 353+46.00 TO STA. 382+50.00

F.A.I. RTE. 389	SECTION 2013-026-1	COUNTY COOK	TOTAL SHEETS 37	SHEET NO. 15
CONTRACT NO. 60W49				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**AECOM**  
303 EAST WACKER DRIVE, SUITE 1400  
CHICAGO, IL 60601-5276  
PHONE: (312) 373-7700 FAX: (312) 373-6800

D160Y00-sht-ITS-37	DESIGNED - PTJ	REVISED -
USER NAME = patrick.jordan	DRAWN - CAM	REVISED -
PLOT SCALE = 1/8" = 1' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 1/25/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CHICAGO RIVER BRIDGE HOUSE ITS PLAN</b>	
SCALE: N.T.S.	SHEET 37 OF 102 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-009L	COUNTY COOK	TOTAL SHEETS 263	SHEET NO. 180
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

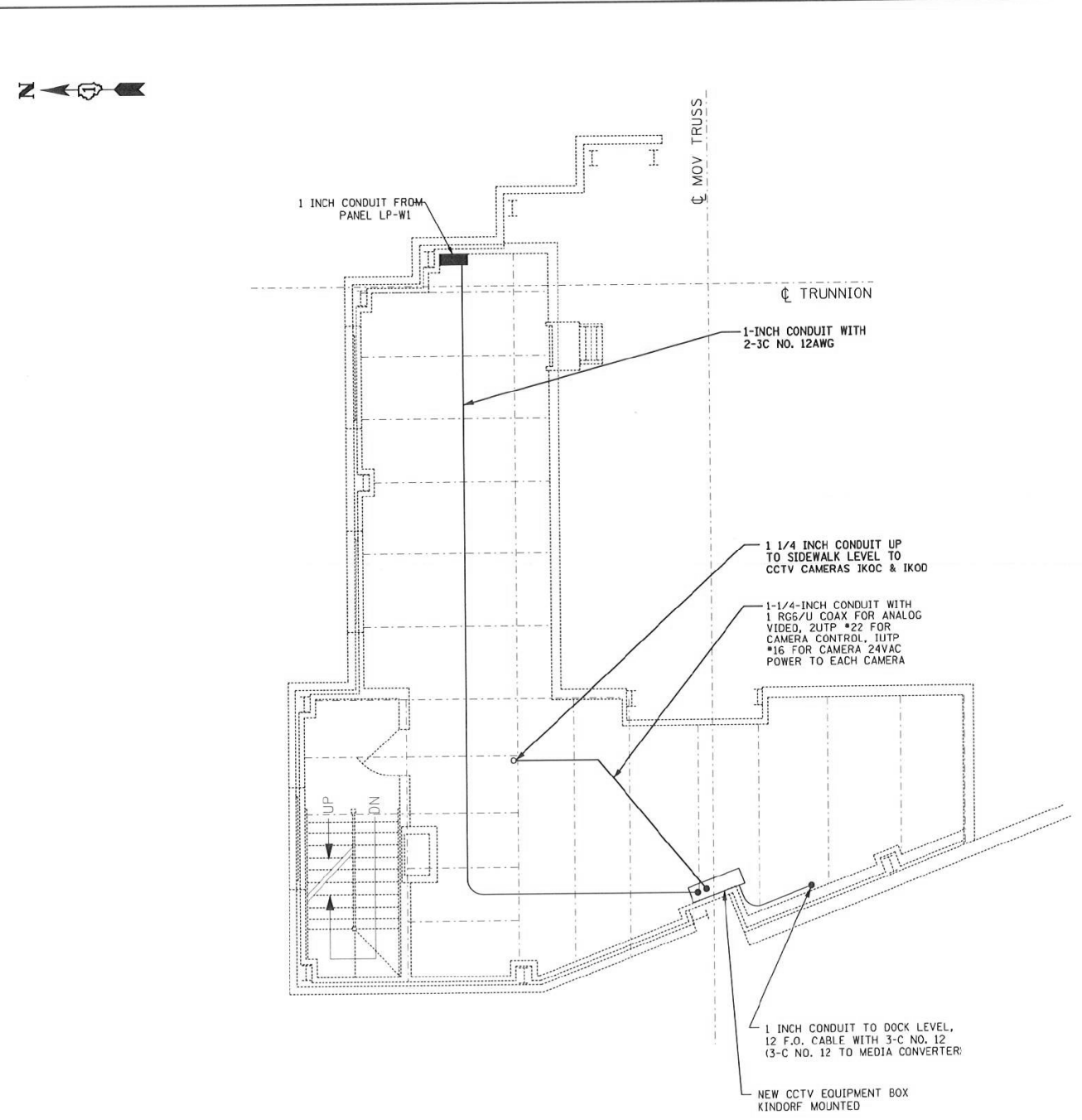
ITS-37

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 28-OCT-2013 13:46



NORTH WEST SIDE MEZZANINE LEVEL CONTROL HOUSE CCTV LAYOUT PLAN  
 N.T.S.

- NOTES:
1. FOR GENERAL AND ELECTRICAL NOTES, SEE DWG'S 2, 3 & 4.
  2. FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS, SEE DWG. 5
  3. FOR PANEL SCHEDULES, SEE DWG 22.
  4. FOR EQUIPMENT DESCRIPTIONS SEE ELECTRICAL SPECIFICATIONS.

RECORD DRAWING  
 Meade, Inc.

By *Pat Meyer* Date *2/2/15*

**PARSONS BRINCKERHOFF**  
 200 West Monroe Street  
 Suite 900  
 Chicago, IL 60606

USER NAME = patwld	DESIGNED - D. DRAKULICH	REVISED -
FILE NAME	DRAWN - E. MALUSEL	REVISED -
PLOT SCALE = NTF	CHECKED - S. STERN	REVISED -
PLOT DATE = 10/18/2013	DATE = 10/18/2013	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CCTV SYSTEM, I-90/94 TO CONGRESS PARKWAY		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
WEST SIDE MEZZANINE LEVEL		389	2013-026-1	COOK	37	18
SCALE: AS SHOWN		SHEET NO. OF SHEETS		STA. 353+46.00 TO STA. 382+50.00		FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT
				CONTRACT NO. 60W49		

**AECOM**  
 303 EAST WACKER DRIVE, SUITE 1400  
 CHICAGO, IL 60601-5276  
 PHONE: (312) 373-7700 FAX: (312) 373-6800

D160Y00-shr-ITS-38	DESIGNED - PTJ	REVISED -
USER NAME = patrick.jordan	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 1/25/2020	DATE = 1/29/2020	REVISED -

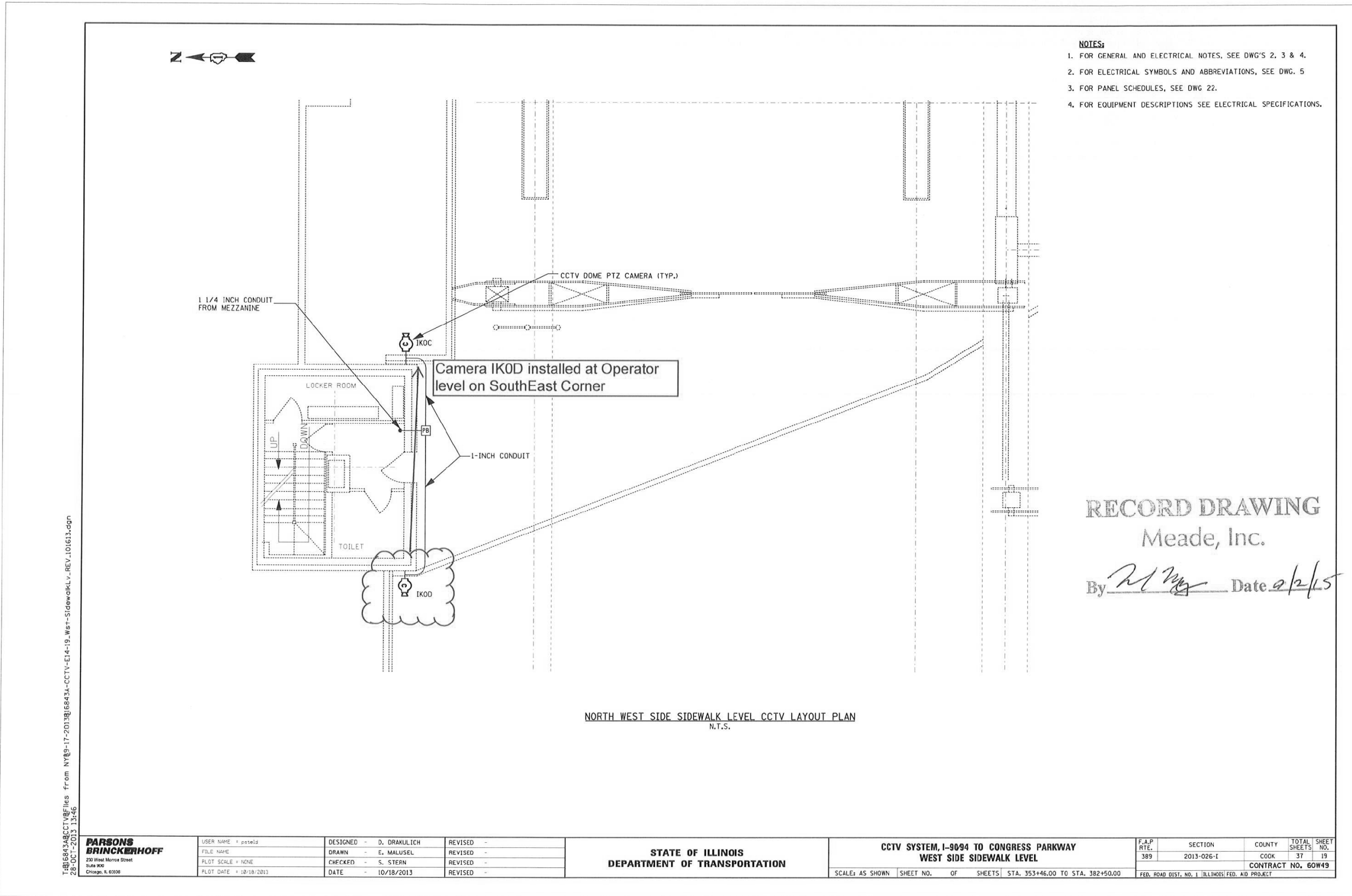
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CHICAGO RIVER BRIDGE HOUSE ITS PLAN	
SCALE: N.T.S.	SHEET 38 OF 102 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	181
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

ITS-38

FILE PATH = p:\AECOM\NA-AWS\encom\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase\1\000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-39



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28-OCT-2013 13:46

**PARSONS BRINCKERHOFF**  
230 West Monroe Street  
Suite 200  
Chicago, IL 60606

USER NAME = pateld	DESIGNED - D. DRAKULICH	REVISED -
FILE NAME	DRAWN - E. MALUSEL	REVISED -
PLOT SCALE = NONE	CHECKED - S. STERN	REVISED -
PLOT DATE = 10/18/2013	DATE = 10/18/2013	REVISED -

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

**CCTV SYSTEM, I-90/94 TO CONGRESS PARKWAY**  
**WEST SIDE SIDEWALK LEVEL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
389	2013-026-I	COOK	37	19
CONTRACT NO. 60W49				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**AECOM**  
303 EAST WACKER DRIVE, SUITE 1400  
CHICAGO, IL 60601-5276  
PHONE: (312) 373-7700 FAX: (312) 373-6800

D160Y00-shr-ITS-39	DESIGNED - PTJ	REVISED -
USER NAME = patrick.jordan	DRAWN - CAM	REVISED -
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PLOT DATE = 1/25/2020	DATE = 1/29/2020	REVISED -

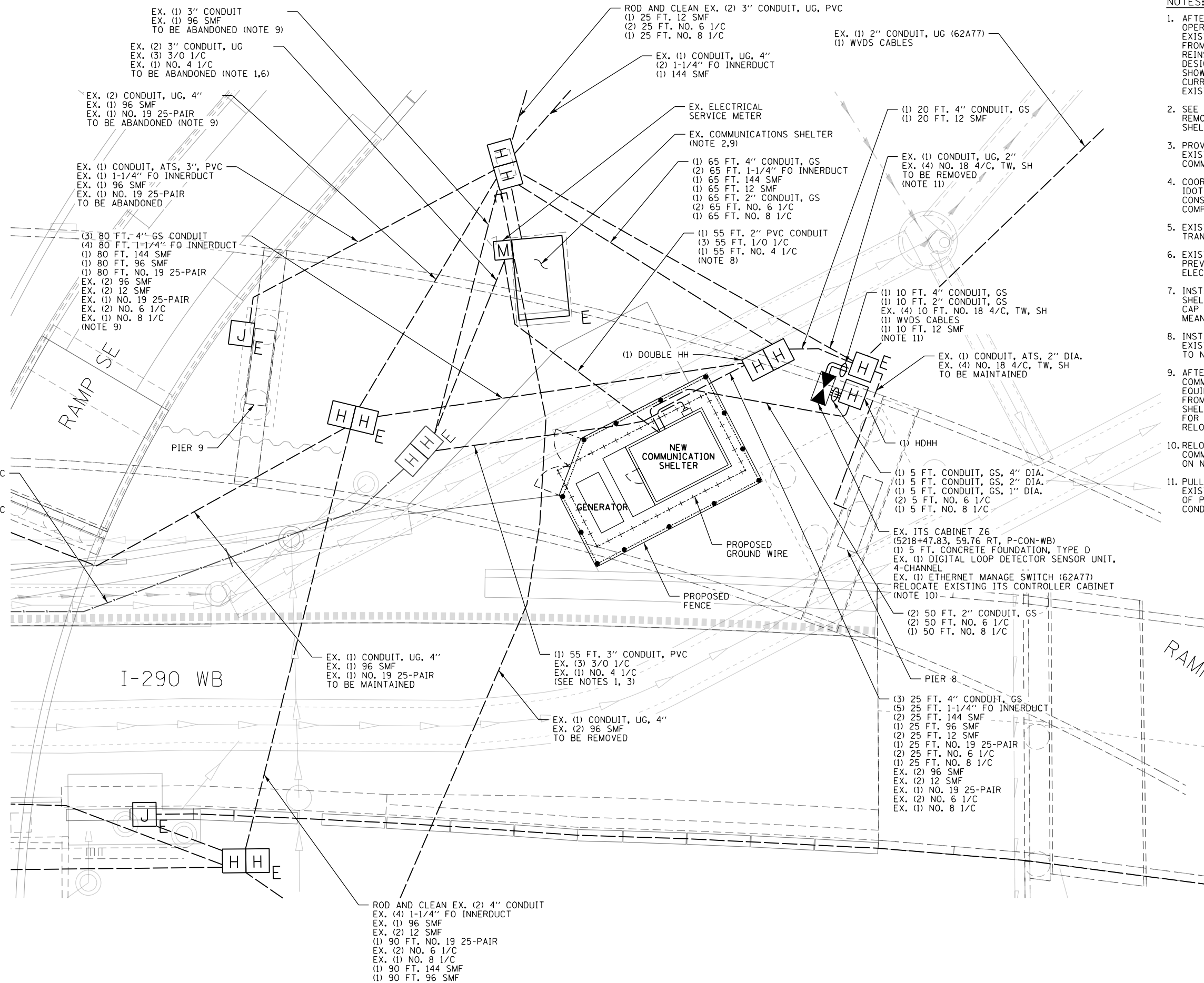
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHICAGO RIVER BRIDGE HOUSE ITS PLAN**

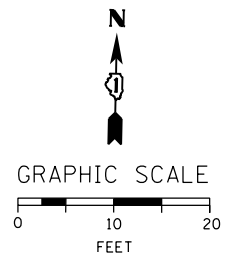
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	182
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

ITS-39

FILE PATH = p:\aecom\ms-ansi\encom\local\AECOM\_DS02\_MA\Documents\01\_Americas\Transportation\60269938\_Circle Phase 1\1000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\1060Y00-shr-ITS-40



- NOTES:**
1. AFTER THE NEW SHELTER IS FULLY OPERATIONAL, THE CONTRACTOR TO REMOVE EXISTING ELECTRIC SERVICE CONDUCTORS FROM EXISTING SHELTER FEEDER CONDUIT AND REINSTALL WIRES IN THE NEW CONDUITS DESIGNATED FOR THE NEW SHELTER POWER AS SHOWN. THE EXISTING SERVICE FEED IS CURRENTLY PROVIDING THE POWER TO THE EXISTING COMMUNICATIONS SHELTER.
  2. SEE EXISTING COMMUNICATIONS SHELTER REMOVAL PLAN FOR INFORMATION ON EXISTING SHELTER DECOMMISSIONING AND REMOVAL.
  3. PROVIDE A SPARE EMPTY CONDUIT BETWEEN EXISTING POWER DOUBLE HANDHOLE AND NEW COMMUNICATIONS SHELTER.
  4. COORDINATE ALL INSTALLATION WORK WITH IDOT PERSONNEL THROUGHOUT ALL CONSTRUCTION STAGES UNTIL FINAL COMPLETION.
  5. EXISTING ELECTRIC FEED FROM ComED TRANSFORMER.
  6. EXISTING CONDUITS INSTALLED UNDER A PREVIOUS CONTRACT, CONDUIT IS FOR THE ELECTRICAL FEED FOR THE EXISTING SHELTER.
  7. INSTALL ALL SPARE CONDUITS INSIDE THE SHELTER THROUGH THE CONCRETE FOUNDATION. CAP ALL SPARE CONDUITS WITH ACCEPTABLE MEANS.
  8. INSTALL TEMPORARY POWER FEED FROM EXISTING SHELTER ELECTRICAL PANELBOARD TO NEW SHELTER.
  9. AFTER ACTIVATION OF THE NEW COMMUNICATION SHELTER, TRANSFER EQUIPMENT AND REROUTE ASSOCIATED CABLING FROM THE EXISTING SHELTER TO THE NEW SHELTER. REFER TO THE SPECIAL PROVISIONS FOR MORE DETAIL ABOUT EQUIPMENT TO BE RELOCATED.
  10. RELOCATE CABINET FROM WITHIN EXISTING COMMUNICATIONS SHELTER. INSTALL CABINET ON NEW CONCRETE FOUNDATION, TYPE D.
  11. PULL NO. 18 4/C DETECTOR CABLES BACK TO EXISTING HEAVY-DUTY HANDHOLE AT THE BASE OF PIER 8 AND REINSTALL VIA NEW 2" CONDUIT TO RELOCATED CABINET Z6.



ITS-40



D160Y00-shr-ITS-40  
 USER NAME = patrick.jordan  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 1/28/2020

DESIGNED - PTJ  
 DRAWN - CAM  
 CHECKED - MJL  
 DATE - 1/29/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

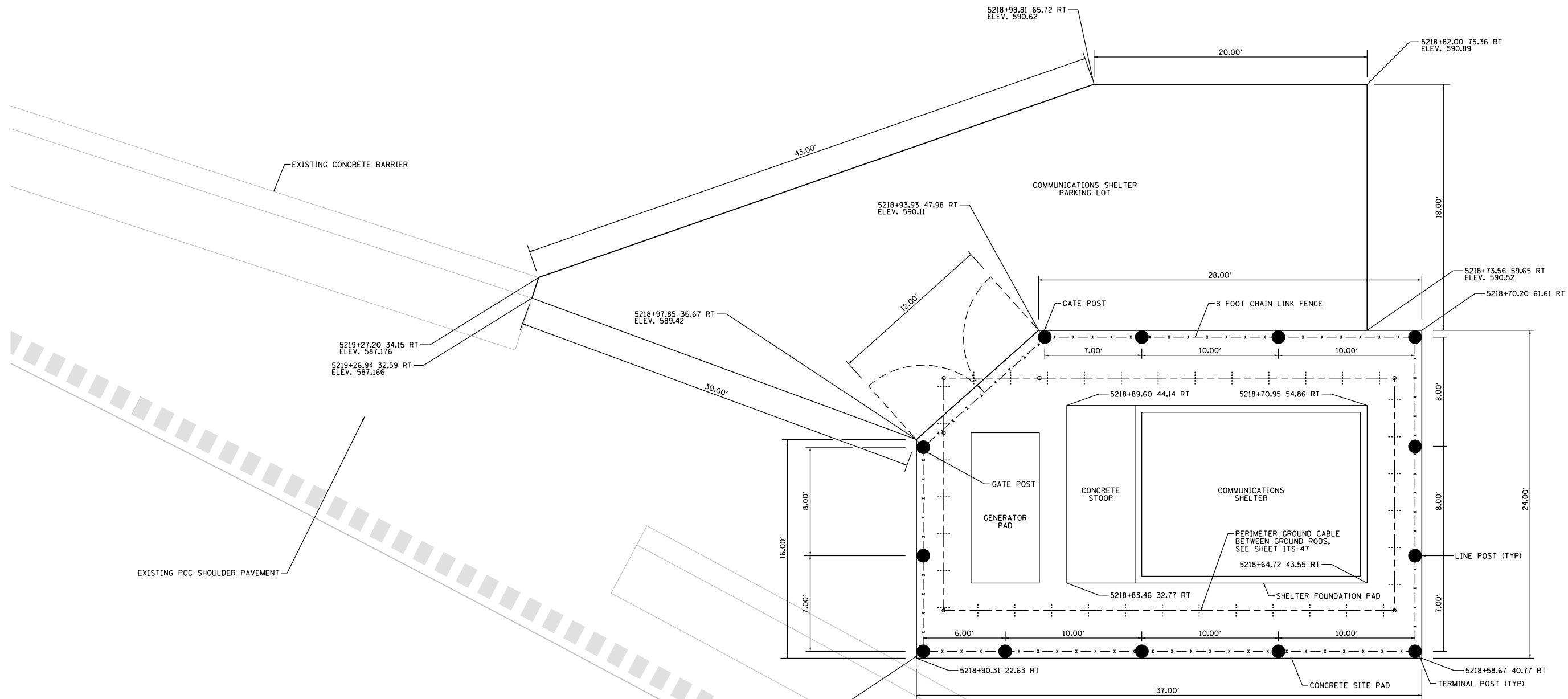
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**HALSTED COMMUNICATION SHELTER  
 ELECTRICAL & COMMUNICATIONS SITE PLAN**

SCALE: 1"=10' SHEET 40 OF 102 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	183
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\aecom\ms-ansi\ecom\line\local\AECOM\_DS02\_MN\Documents\01\_Americas\Transportation\60269938\_Circle Phase\1\000\_CAD\006\_Roadway\Sheets\60Y00\_Contract\0160Y00-shr-ITS-41



**PROPOSED PARKING LOT PAVEMENT SCHEDULE**

ROADWAY	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", NSO	HOT-MIX ASPHALT BASE COURSE, 6 3/4"	AGGREGATE SUBGRADE IMPROVEMENT 12"	BITUMINOUS MATERIALS (TACK COAT)
SHEET	TON	SQ YD	SQ YD	POUND
TOTAL	12	103	103	70

THE FENCE POSTS SHALL BE INSTALLED IN OR ANCHORED TO THE CONCRETE SITE PAD (TYP.). THE COST OF INSTALLING THE FENCE POSTS IN THE CONCRETE SITE PAD SHALL BE INCLUDED IN CHAIN LINK FENCE, 8'.

**NOTES:**

- SEE SHEET ITS-40 FOR COMMUNICATIONS SHELTER SITE PLAN.
- SEE SHEET ITS-46 FOR COMMUNICATIONS SHELTER PLAN AND ELEVATION.
- SEE SHEET ITS-47 FOR COMMUNICATIONS SHELTER GROUNDING PLAN.

ITS-41



D160Y00-shr-ITS-41	DESIGNED - PTJ	REVISED -
USER NAME = patrick.jordan	DRAWN - CAM	REVISED -
PLOT SCALE = 8.0000' / 1" =	CHECKED - MJL	REVISED -
PLOT DATE = 1/25/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

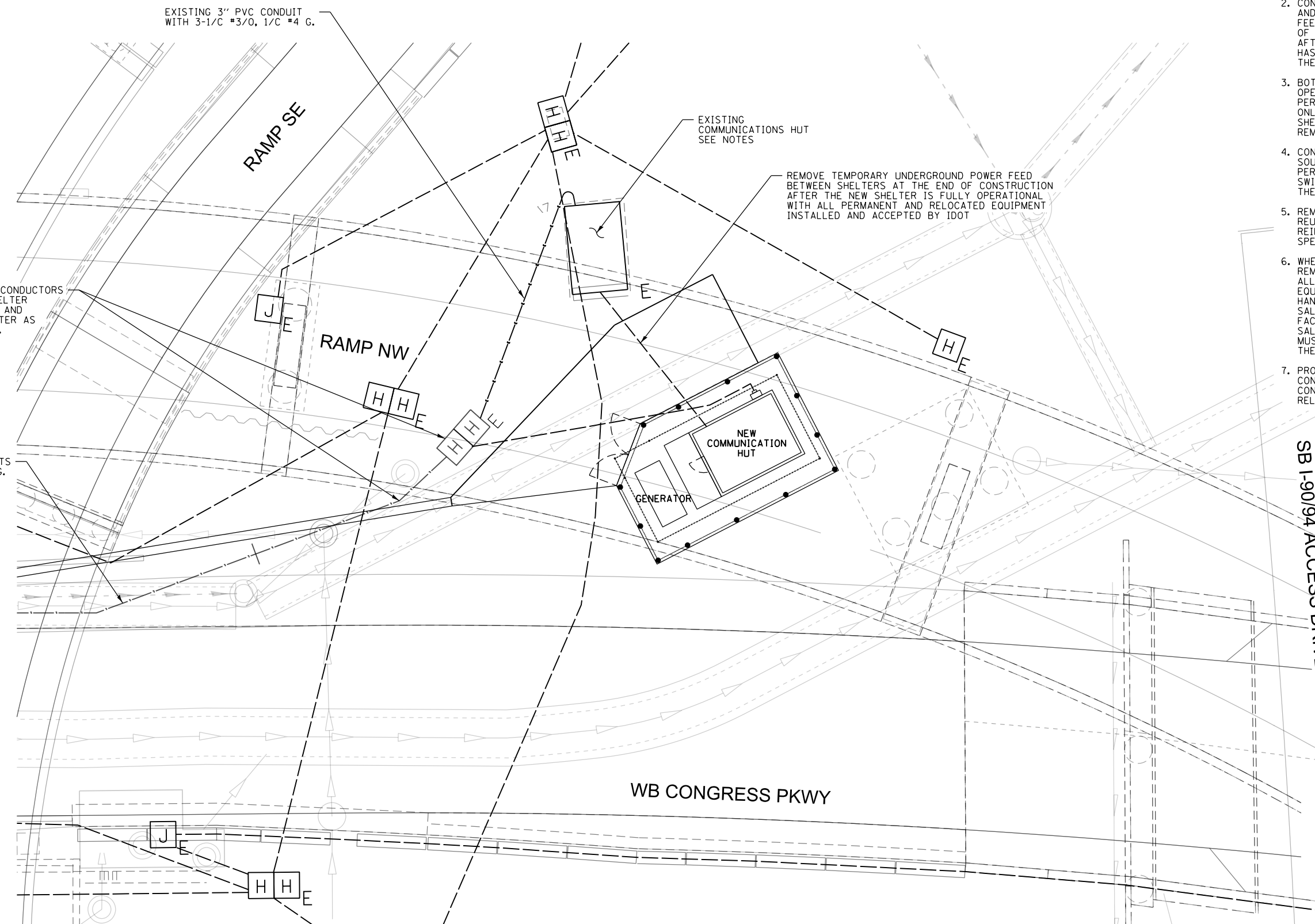
**HALSTED COMMUNICATION SHELTER  
SITE AND PARKING LOT DETAILS**

SCALE: N.T.S. SHEET 41 OF 102 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	184
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. COORDINATE ALL REMOVAL WORK WITH IDOT BEFORE ANY WORK IS PERFORMED.
2. CONTRACTOR SHALL DE-ENERGIZE, DISCONNECT AND REMOVE ALL POWER AND COMMUNICATIONS FEEDS TO THE EXISTING SHELTER AT THE END OF CONSTRUCTION. THIS CAN ONLY BE DONE AFTER THE NEW COMMUNICATIONS SHELTER HAS BEEN COMPLETELY MADE OPERATIONAL TO THE SATISFACTION OF IDOT.
3. BOTH EXISTING AND NEW SHELTERS MUST BE OPERATIONAL AT THE SAME TIME FOR A PERIOD OF TIME TO BE DETERMINED BY IDOT. ONLY IDOT CAN DECIDE WHEN THE EXISTING SHELTER CAN BE DE-ENERGIZED AND POWER IS REMOVED.
4. CONTRACTOR MUST PROVIDE A TEMPORARY SOURCE OF POWER, IF NEEDED DURING THE PERMANENT ELECTRIC SERVICE FEED SWITCHOVER FROM THE EXISTING SHELTER TO THE NEW SHELTER.
5. REMOVE ANY EXISTING EQUIPMENT TO BE REUSED FROM THE EXISTING SHELTER AND REINSTALL IN THE NEW SHELTER AS SPECIFIED AND INSTRUCTED BY IDOT.
6. WHEN THE EXISTING SHELTER IS READY FOR REMOVAL, THE CONTRACTOR MUST SALVAGE ALL REMAINING PARTS, MATERIALS, AND EQUIPMENT. THE CONTRACTOR SHALL PROPERLY HANDLE, PACKAGE AND TRANSPORT ALL SALVAGED ITEMS TO THE IDOT DESIGNATED FACILITY. ITEMS THAT WILL NOT BE SALVAGED, INCLUDING THE SHELTER BUILDING, MUST BE DISPOSED OFF PROPERLY OUTSIDE THE RIGHT OF WAY.
7. PROVIDE ALL NEW MOUNTING HARDWARE, CONDUCTORS, CABLES AND WIRING, CONNECTORS, ETC., FOR ALL NEW AND RELOCATED EQUIPMENT.



PULL EXISTING SERVICE CONDUCTORS BACK FROM EXISTING SHELTER THROUGH THIS HANDHOLE AND REINSTALL TO NEW SHELTER AS SHOWN ON SHEET ITS-40.

EXISTING 2-3" PVC CONDUITS WITH 3-1/C #3/0, 1/C #4 G. (1) SPARE CONDUIT

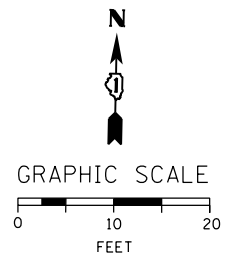
EXISTING 3" PVC CONDUIT WITH 3-1/C #3/0, 1/C #4 G.

EXISTING COMMUNICATIONS HUT SEE NOTES

REMOVE TEMPORARY UNDERGROUND POWER FEED BETWEEN SHELTERS AT THE END OF CONSTRUCTION AFTER THE NEW SHELTER IS FULLY OPERATIONAL WITH ALL PERMANENT AND RELOCATED EQUIPMENT INSTALLED AND ACCEPTED BY IDOT

SB I-90/94 ACCESS DRIVE

WB CONGRESS PKWY



FILE PATH = p:\aecom\ms-ansi\ecommon\local\aedcom\0502\_mn\documents\01\_america\transportation\60269938\_Circle Phase 1\1000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00\_sht-ITS-42



D160Y00-sht-ITS-42  
 USER NAME = patrick.jordan  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 1/25/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**HALSTED COMMUNICATION SHELTER  
 EXISTING EQUIPMENT REMOVAL PLAN**

SCALE: 1"=10' SHEET 42 OF 102 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	185
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

ITS-42

SEE ITS-28 & ITS-40 FOR CONDUIT INFORMATION

SEE ITS-28 & ITS-40 FOR CONDUIT INFORMATION

(1) 3" CONDUIT, PVC

(2) 2" CONDUIT, GS

(2) 2" CONDUIT, GS

TEMPORARY POWER FROM EXISTING COMMUNICATIONS SHELTER SEE ITS-28, ITS-40, AND ITS-42 FOR MORE DETAILS

(1) 4" CONDUIT, GS  
(1) 2" CONDUIT, GS TO EXISTING DHH NORTH OF EXISTING COMM. SHELTER

(3) 4" CONDUIT, GS

EX. (1) 2" CONDUIT TO EXISTING DHH NORTH OF EXISTING COMM. SHELTER

(1) 4" CONDUIT, GS  
(3) 4" CONDUIT, GS  
(2) 2" CONDUIT, GS

COMMUNICATIONS FOR CABINET Z6

POWER FOR CABINET Z6

DETAIL A - CONDUIT AND ACCESS POINTS

SEE ITS-28 & ITS-40 FOR CABLE INFORMATION

SEE ITS-28 & ITS-40 FOR CONDUCTOR INFORMATION

(3) 1/C NO. 3/0 (1)  
(1) 1/C NO. 4 GROUND (1)

GENERATOR POWER CABLES  
GENERATOR CONTROL CABLE

TEMPORARY POWER FROM EXISTING COMMUNICATIONS SHELTER SEE ITS-28, ITS-40, AND ITS-42 FOR MORE DETAILS

(1) 144 FOC (1)  
(1) 12 FOC (1)  
(2) NO. 6 2/C (1)  
(1) NO. 8 1/C (1)  
TO EXISTING DHH NORTH OF EXISTING COMM. SHELTER

(1) 144 FOC (1)  
(3) 96 FOC (1)  
(2) 12 FOC (1)  
(2) NO. 19 25-PAIR (1)  
(2) NO. 6 1/C (1)  
(1) NO. 8 1/C (1)

(2) 144 FOC (1)  
(3) 96 FOC (1)  
(4) 12 FOC (1)  
(2) NO. 19 25-PAIR (1)  
(4) NO. 6 1/C (1)  
(2) NO. 8 1/C (1)

(2) NO. 6 1/C (1)  
(1) NO. 8 1/C (1)

POWER FOR CABINET Z6

DETAIL B - CABLING

FILE PATH = p:\AECOM\NA-AWS\ecommon\line\local\AECOM\_DS02\_IL\000\_CAD\006\_Roadway\Sheets\60Y00\_Contract\0160Y00-shr-ITS-43



D160Y00-shr-ITS-43  
USER NAME = patrick.jordan  
PLOT SCALE = 2.0000' / in.  
PLOT DATE = 1/28/2020

DESIGNED - KMO  
DRAWN - KMO  
CHECKED - MJL  
DATE - 1/29/2020

REVISED -  
REVISED -  
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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

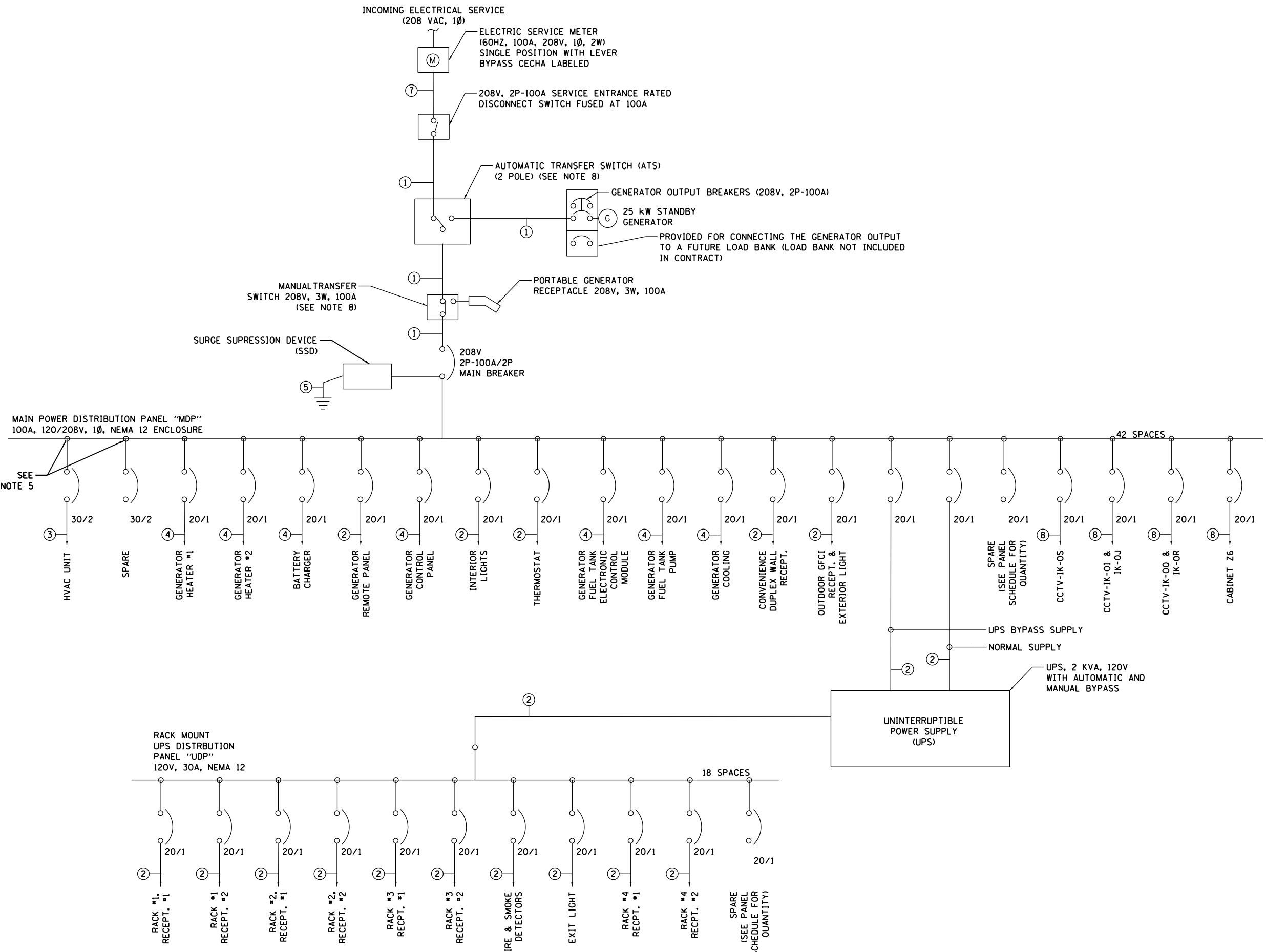
HALSTED COMMUNICATION SHELTER  
ITS SITE INSTALLATION PLANS

SCALE: N.T.S. SHEET 43 OF 102 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	186
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

ITS-43

FILE PATH = p:\VACOM\NA-ANSI\elecmon\line\local\AECOM\_DS02\_NA\_Documents\01\_Americas\Transportation\60269938\_Circle Phase\11000\_CAD\006\_Roadway\Sheets\60Y00\_Contract\0160Y00-sh-ITS-44



- NOTES:
1. ALL WIRING, MATERIAL RATINGS AND INSTALLATION MUST CONFORM TO NEC AND OTHER APPLICABLE CODES AND STANDARDS.
  2. SEE PANEL SCHEDULES FOR BREAKER POSITIONS AND BLANK PANEL SLOTS.
  3. SEE MANUFACTURER'S LITERATURE TO CONFIRM QUANTITY AND SIZE OF BREAKERS NEEDED FOR GENERATOR AND OTHER MATERIALS BEING SUPPLIED.
  4. CONTRACTOR MAY RUN UP TO 4 CIRCUITS IN A SINGLE CONDUIT BETWEEN THE EQUIPMENT SHELTER AND THE GENERATOR. EACH CIRCUIT MUST HAVE ITS OWN NEUTRAL; ONLY ONE EQUIPMENT GROUND IS NEEDED IN A CONDUIT.
  5. ALL CONDUCTORS AND CABLE SHALL BE RUN IN CONDUIT: MIN SIZE 3/4" INSIDE SHELTER, MIN SIZE 2" BETWEEN SHELTER AND GENERATOR, MIN SIZE FOR SERVICE ENTRANCE. ON SUPPLY SIDE OF METER AND 2" ON LOAD SIDE, UNLESS NOTED OTHERWISE.
  6. NOMINAL SIZE SHOWN BREAKER MUST BE COORDINATED WITH ACTUAL HVAC UNIT SELECTED.
  7. RECEPTACLES POWERED FROM PANEL "UPD" ARE ATTACHED TO CABLE LADDER OVER EQUIPMENT RACKS; A PAIR OF QUADPLEX OUTLETS ARE CONNECTED TO A TOTAL OF THREE RACK MOUNTED OUTLET STRIPS IN EACH RACK.
  8. THE NEUTRAL WIRE FROM THE PERMANENTLY INSTALLED STANDBY GENERATOR SHALL NOT BE SWITCHED IN THE AUTOMATIC TRANSFER SWITCH (ATS). THE NEUTRAL WIRE FROM THE PORTABLE GENERATOR WILL BE SWITCHED IN THE MANUAL TRANSFER SWITCH.
  9. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING EQUIPMENT THAT CAN TERMINATE WIRE SIZES SHOWN OR FOR PROVIDING WIRING GUTTERS AND SPLICE KITS TO REDUCE CONDUCTOR SIZE.
  10. EACH RUN OF RIGID METAL CONDUIT UPSTREAM OF, AND INCLUDING INTO "MDP", MUST END WITH AN INSULATED GROUNDING BUSHING. BUSHING INSIDE AN ENCLOSURE MUST BE BONDED TOGETHER WITH #6 AND CONNECTED TO THE GROUND BUS INSIDE EACH ENCLOSURE.
  11. WIRE NEW CCTV CAMERAS AND CABINET TO NEW SHELTER ELECTRICAL PANELBOARD AND RELOCATE EXISTING CAMERA WIRING TO NEW SHELTER PANELBOARD.

- ① (3) #1/0 & (1) #8 GND, 2" C
- ② (2) #12, (1) & (1) #12 GND
- ③ (2) #8 & (1) #10 GND
- ④ (2) #10 & (1) #12 GND
- ⑤ #2 GND WIRE
- ⑥ NOT USED
- ⑦ (3) #3/0 & (1) #4 GND, 3" C
- ⑧ (2) #6 & (1) #8 GND

ITS-44



D160Y00-sh-ITS-44  
 USER NAME = patrick.jordan  
 PLOT SCALE = 2,0000' / in.  
 PLOT DATE = 1/25/2020

DESIGNED - PTJ  
 DRAWN - CAM  
 CHECKED - MJL  
 DATE - 1/29/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

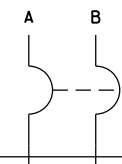
HALSTED COMMUNICATION SHELTER  
 NEW COMMUNICATIONS SHELTER SINGLE LINE

SCALE: N.T.S. SHEET 44 OF 102 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	187
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

PANEL: MDP  
 RATING: NEMA 12  
 MOUNTING: WALL

WIRE SIZE: #3/0 AWG  
 2P-100A, 65 KAIC MAIN BREAKER



CIRCUIT DESCRIPTION	TRIP	POLES	WIRE	POSITION	POSITION	WIRE	POLES	TRIP	CIRCUIT DESCRIPTION
HVAC UNIT	30	2	8	1	2	12	1	20	UPS NORMAL
				3	4	12	1	20	UPS BYPASS
SURGE ARRESTOR	100	2	2	5	6	-	1	20	SPARE
				7	8	12	1	20	GEN REMOTE. CONTROL PANEL
SPARE	30	2	-	9	10	10	1	20	GEN. FUEL TANK ECM
				11	12	10	1	20	GEN. FUEL TANK PUMP
INTERIOR LIGHTS	20	1	12	13	14	10	1	20	GEN. HEATER #1
THERMOSTAT	20	1	12	15	16	10	1	20	GEN. HEATER #2
INT. WALL RECEPT.	20	1	12	17	18	10	1	20	GEN. BATTERY CHARGER
EXT. RECEPT & LIGHT	20	1	12	19	20	10	1	20	GEN. COOLING
CCTV - IK-OS	20	1	6	21	22	10	1	20	GEN CONTROL PANEL
CCTV - IK-OT & IK-OU	20	1	6	23	24	6	1	20	CCTV - IK-OI & IK-OJ
CABINET Z6	20	1	6	25	26	-	1	20	SPARE
SPARE	20	1	-	27	28	-	1	20	SPARE
SPARE	20	1	-	29	30	-	1	20	SPARE
SPARE	20	1	-	31	32	-	1	20	SPARE
SPARE	20	1	-	33	34	-	1	20	SPARE
SPARE	20	1	-	35	36	-	1	20	SPARE
SPARE	20	1	-	37	38	-	1	20	SPARE
SPARE	20	1	-	39	40	-	1	20	SPARE
SPARE	20	1	-	41	42	-	1	20	SPARE
VOLTAGE: 120/208V      CYCLE: 60 Hz      PHASE: 1      WIRES: 3      SOLID NEUTRAL: 100 AMPS      MAIN BREAKER: 100 AMP									

PANEL: UDP  
 RATING: NEMA 12  
 MOUNTING: WALL

WIRE SIZE: #12



CIRCUIT DESCRIPTION	TRIP	POLES	WIRE	POSITION	POSITION	WIRE	POLES	TRIP	CIRCUIT DESCRIPTION
RACK #1, RECEPT. #1	20	1	12	1	2	12	1	20	FIRE & SMOKE DETECTORS
RACK #1, RECEPT. #2	20	1	12	3	4	12	1	20	EXIT LIGHT
RACK #2, RECEPT. #1	20	1	12	5	6	-	1	20	SPARE
RACK #2, RECEPT. #2	20	1	12	7	8	-	1	20	SPARE
RACK #3, RECEPT. #1	20	1	12	9	10	-	1	20	SPARE
RACK #3, RECEPT. #2	20	1	12	11	12	-	1	20	SPARE
RACK #4, RECEPT. #1	20	1	12	13	14	-	1	20	SPARE
RACK #4, RECEPT. #2	20	1	12	15	16	-	1	20	SPARE
SPARE	20	1	12	17	18	-	1	20	SPARE
VOLTAGE: 120      CYCLE: 60 Hz      PHASE: 1      WIRES: 2      SOLID NEUTRAL: 30 AMPS      MAIN LUG ONLY (M.L.O.)									

LIGHTING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	VOLTAGE	LAMPS	MFR. AND CAT. NO.	REMARKS
A	4' LED LOW PROFILE SUSPENDED DIRECT LUMINAIRE	120 V	LED	PHILIPS / LIGHTOLIER ST-74-W-A-35A-40-U-35A ATLAS ILW4 & LED 4D	CEILING MOUNTED
B	LED LARGE GLASS LOW PROFILE WALL PACK	120 V	LED	PHILIPS / DAYBRITE WTN-24WLU-FWT	MOUNT 8'-0" ABOVE FINISHED GRADE
C	EMERGENCY LED LIGHT WITH NICKEL METAL HYBRIDE BATTERY	120 V	LED	DUAL LITE EV LED LITE GEAR	MOUNT ABOVE DOOR

NOTES:

- BREAKERS SHOWN FOR GENERATOR LOADS THAT ARE NOT NEEDED SHALL BE FURNISHED AND LABELED "SPARE".
- ALL INFORMATION SHOWN ON THIS SHEET IS ESTIMATED AND DEPENDS ON CONTRACTOR SUPPLIED MATERIALS.
- CCTV-IK-OS IS NEW AND TO BE INSTALLED ON SIDE OF NEW COMMUNICATIONS SHELTER. CAMERA SITES CCTV-IK-OI/IK-OJ & CCTV-IK-OO/IK-OR ARE EXISTING AND ALREADY WIRED TO EXISTING SHELTER. CABINET Z6 IS EXISTING AND ALREADY WIRED TO EXISTING SHELTER. CONTRACTOR SHALL WIRE ALL 3 CAMERAS AND CABINET TO NEW SHELTER POWER AND COMMUNICATIONS DEVICES AS REQUIRED BY IDOT. FURNISH AND INSTALL ALL REQUIRED MATERIALS INCLUDING NEW WIRING FOR ALL CAMERAS, AS NECESSARY.

ITS-45

FILE PATH = p:\aecom\ms-ansi\ecomm\line\local\ecom\0502\NA\Documents\01\America's Transportation\60269938 Circle Phase 1\000 CAD\006 Roadway\Sheets\60Y00 Contract\0160Y00-ht-ITS-45



D160Y00-ht-ITS-45  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0002' / 1"  
 PLOT DATE = 1/25/2020

DESIGNED - PTJ  
 DRAWN - CAM  
 CHECKED - MJL  
 DATE - 1/29/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

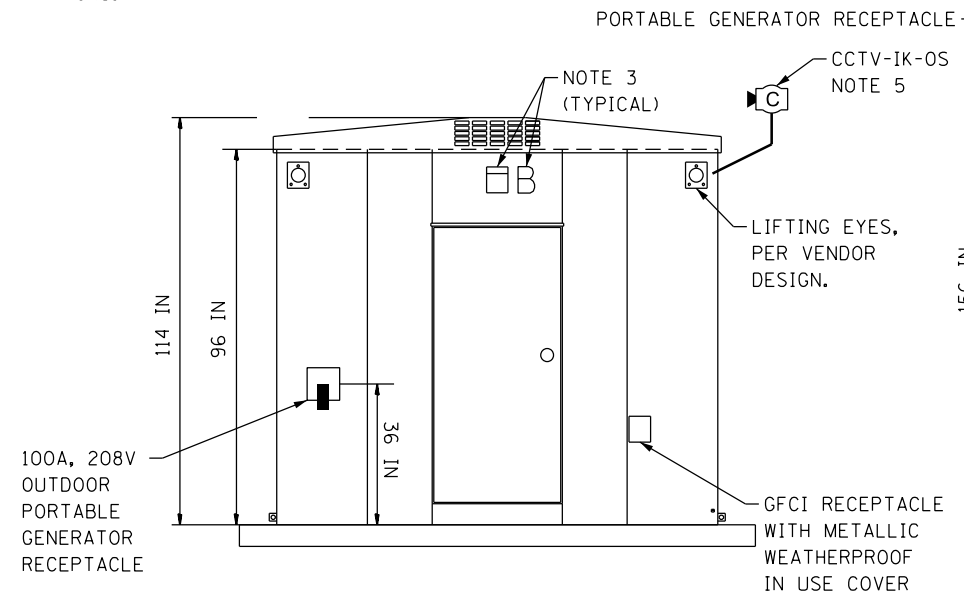
HALSTED COMMUNICATION SHELTER  
 PANEL SCHEDULES

SCALE: N.T.S.      SHEET 45 OF 102 SHEETS      STA.      TO STA.

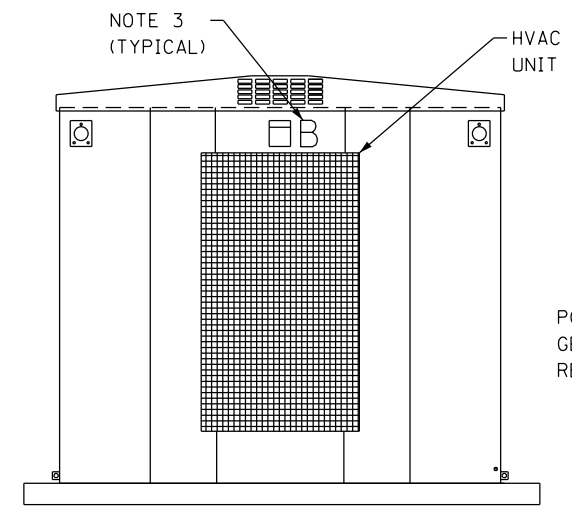
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	188
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				



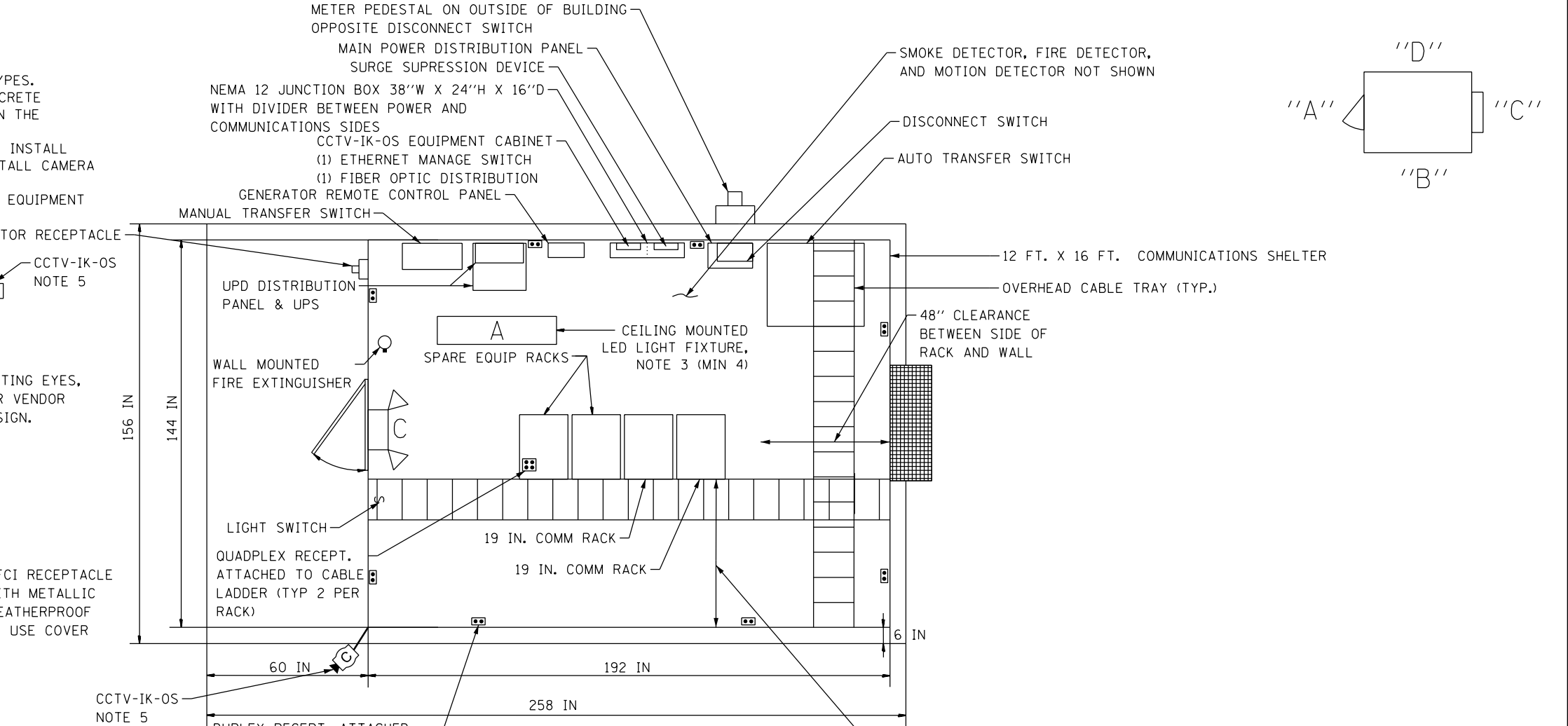
- NOTES:
1. LIGHTNING PROTECTION SYSTEM SHOWN ON SHEET ITS-47.
  2. MAINTAIN MINIMUM 36" CLEARANCE FROM FACE OF POWER EQUIPMENT TO FACE OF COMM RACKS.
  3. SEE LIGHTING SCHEDULE ON SHEET ITS-45 FOR LUMINAIRE TYPES.
  4. COORDINATE LOCATION OF ALL EQUIPMENT AND PANELS WITH THE CONCRETE PAD INSTALLATION SO THAT ALL CONDUIT SLEEVES ARE INSTALLED IN THE CORRECT LOCATIONS.
  5. PROVIDE AND INSTALL NEW CCTV CAMERA, SUPPORTS, AND WIRING AND INSTALL IN THE LOCATION SHOWN ON THE NEW COMMUNICATIONS SHELTER. INSTALL CAMERA SO THAT IT WILL CLEAR THE TOP OF THE SHELTER BY 24" OR MORE.
  6. SEE SHEET ITS-49 FOR INTERIOR ELEVATION VIEWS OF WALL "D" AND EQUIPMENT RACKS.



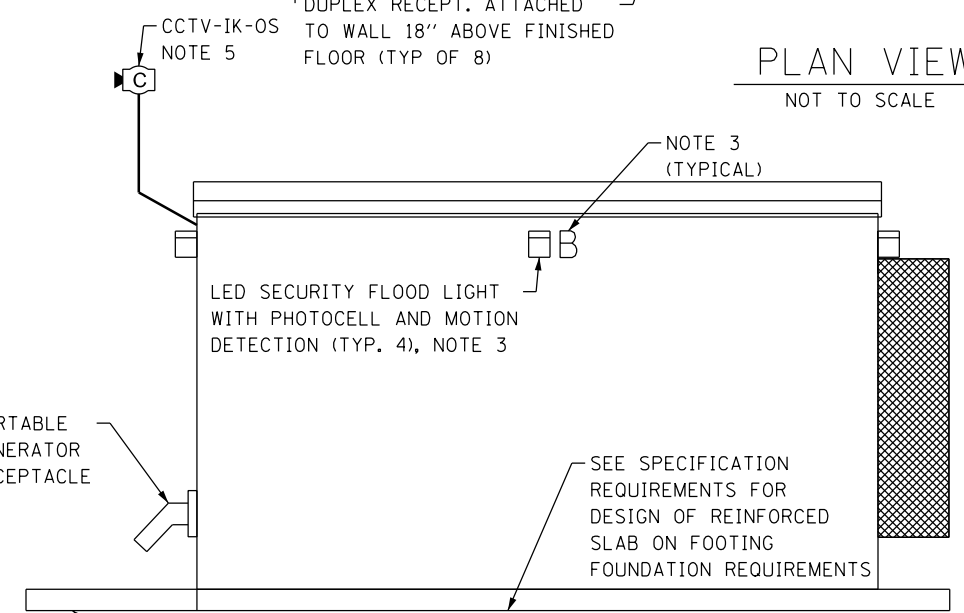
WALL "A"  
NOT TO SCALE



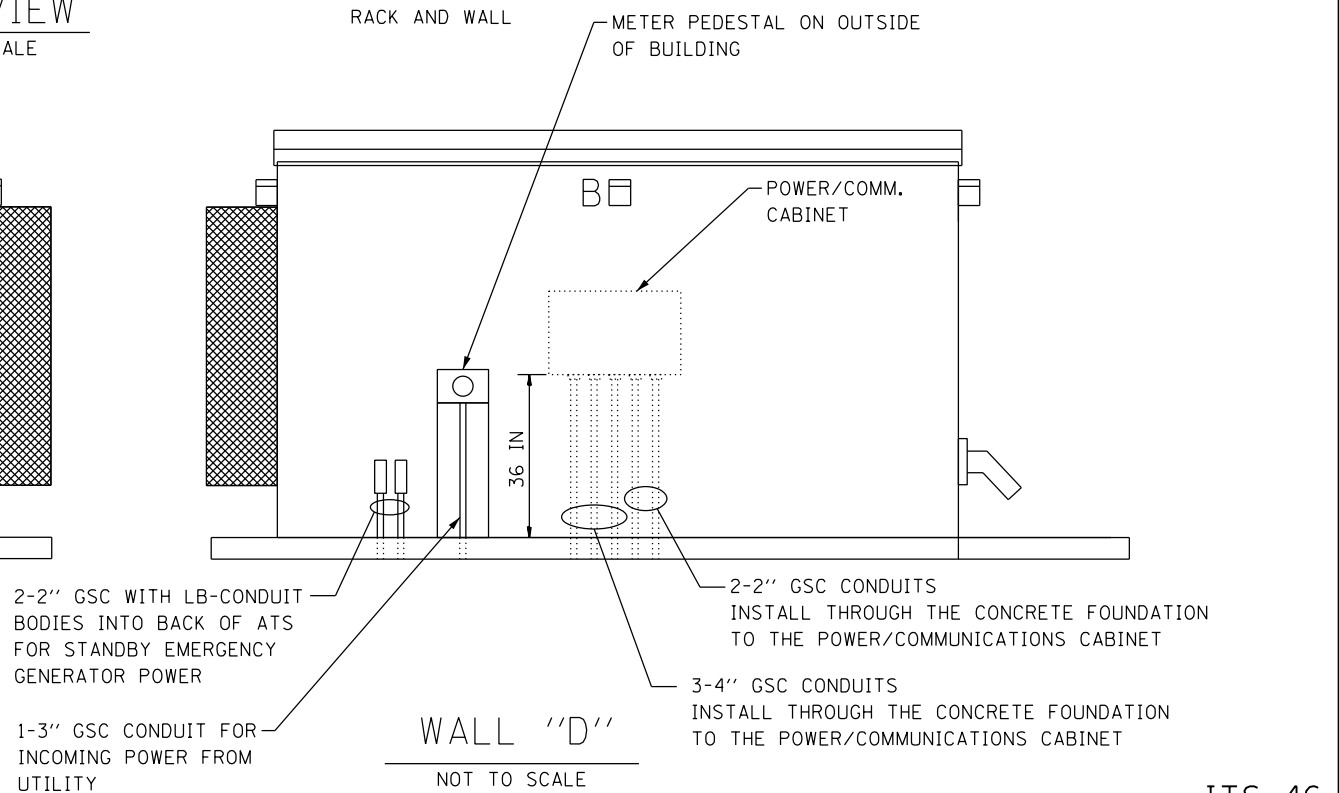
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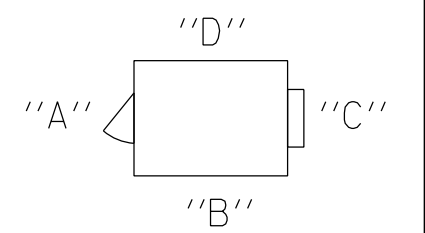
PLAN VIEW  
NOT TO SCALE



WALL "B"  
NOT TO SCALE



WALL "D"  
NOT TO SCALE



FILE PATH = p:\naecom\na-ansi\encom\line\local\AECOM\_DS02\_NA\_Documents\01\_Americas\Transportation\60269938\_Circle Phase\1\000\_CAD\006\_Roadway\Sheets\60Y00\_Contract\0160Y00-shr-ITS-46



D160Y00-shr-ITS-46  
USER NAME = patrick.jordan  
PLOT SCALE = 2.0000' / in.  
PLOT DATE = 3/2/2020

DESIGNED - PTJ  
DRAWN - CAM  
CHECKED - MJL  
DATE - 3/4/2020

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

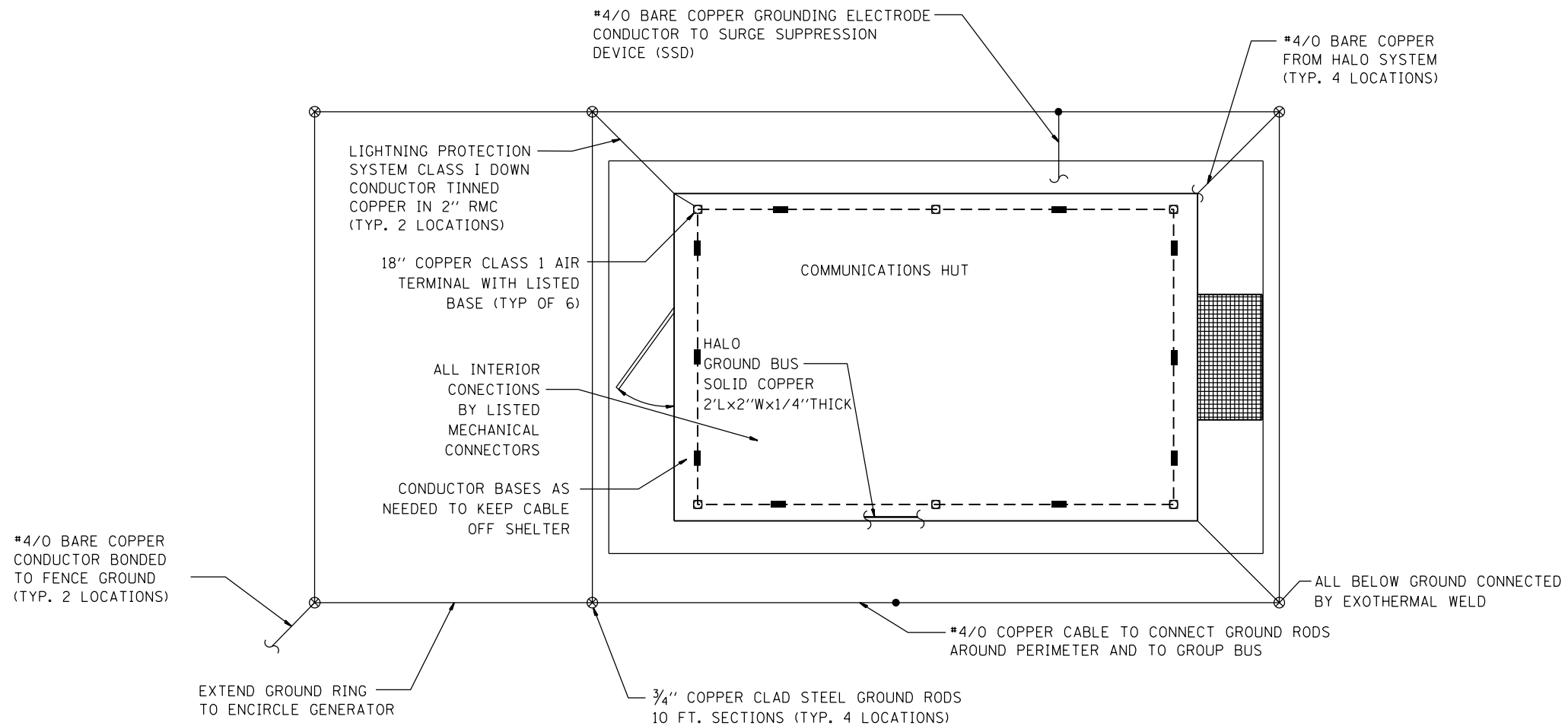
HALSTED COMMUNICATION SHELTER  
COMMUNICATIONS SHELTER PLAN AND ELEVATION VIEWS

SCALE: N.T.S. SHEET 46 OF 102 SHEETS STA. TO STA.

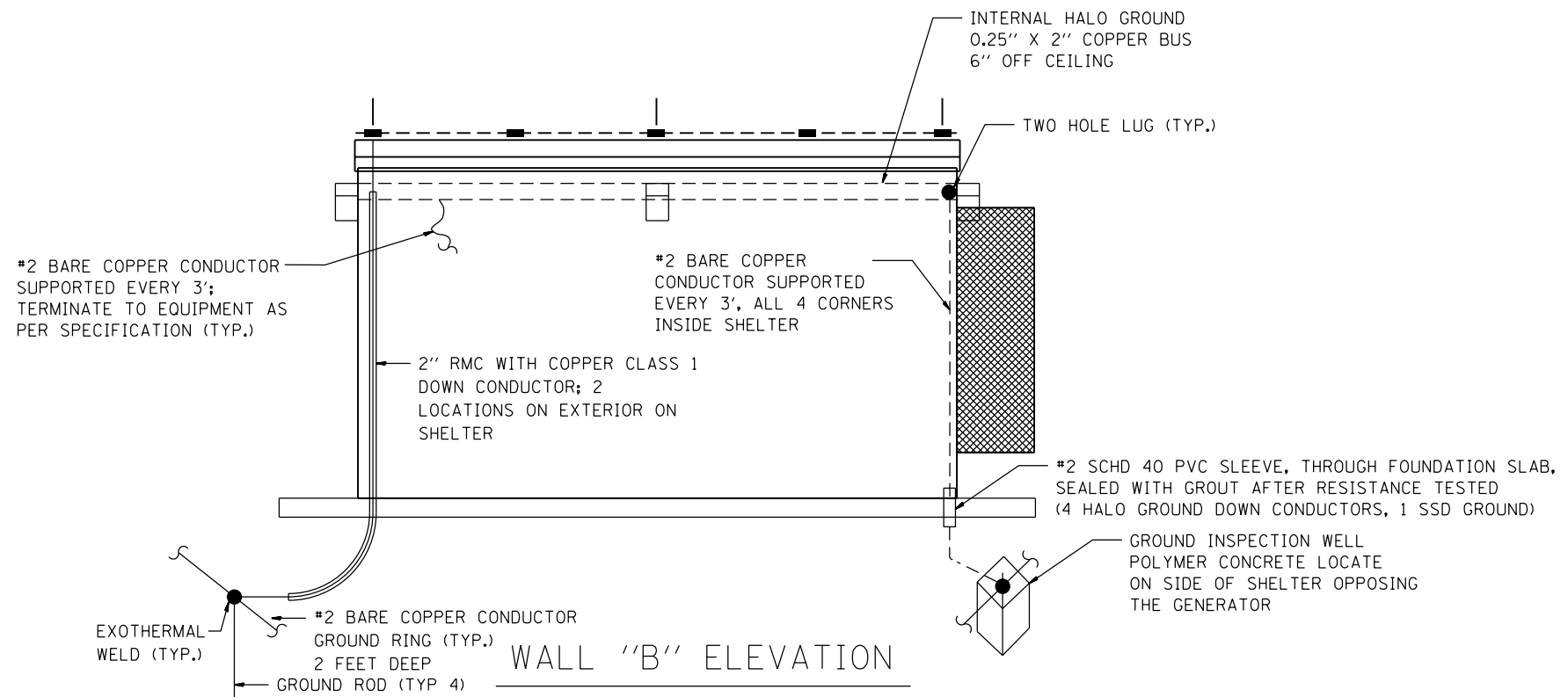
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	189
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

ITS-46

FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase\1\000\_CAD\006\_Roadway\Sheets\60Y00\_Contract\0160Y00-shr-ITS-47



PERIMETER GROUND PLAN



WALL "B" ELEVATION

ITS-47



D160Y00-shr-ITS-47	DESIGNED - PTJ	REVISED -
USER NAME = patrick.jordan	DRAWN - CAM	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 1/25/2020	DATE - 1/29/2020	REVISED -

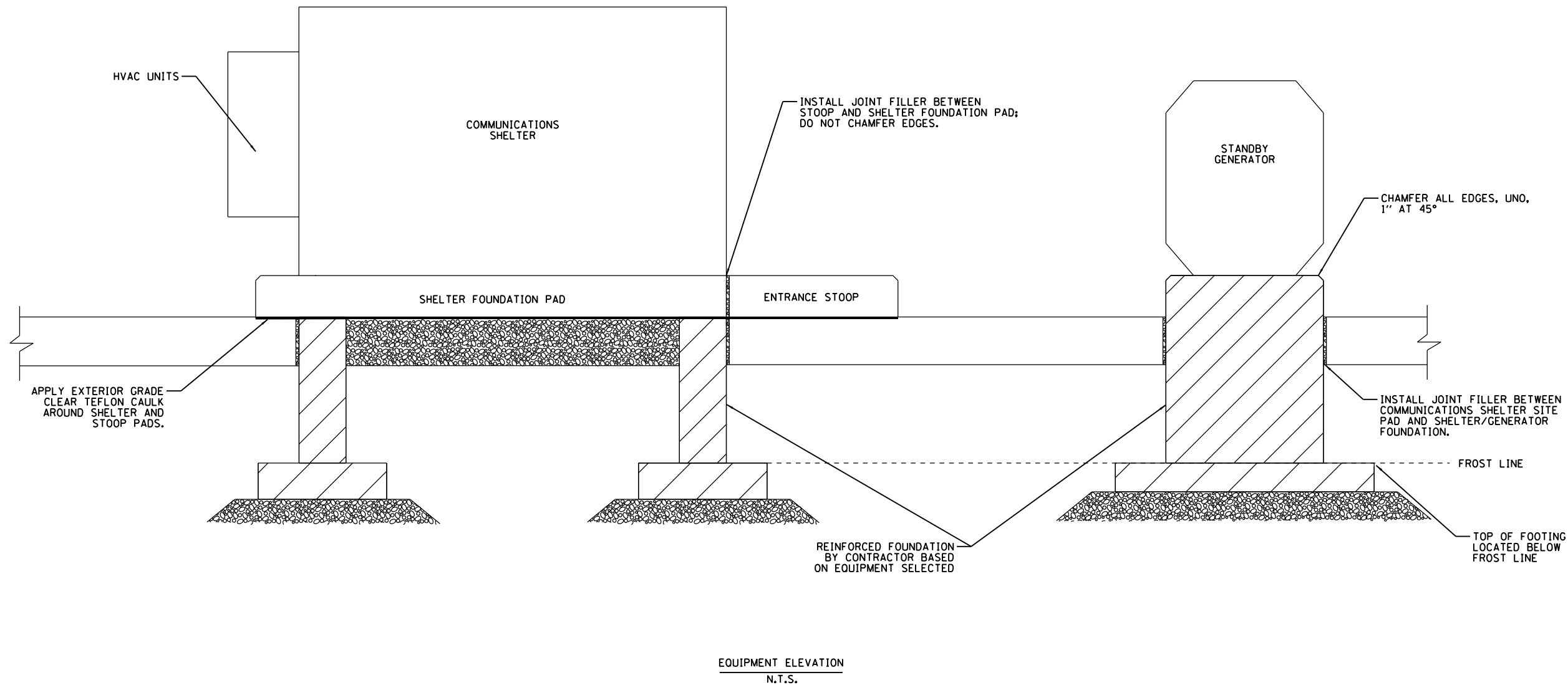
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HALSTED COMMUNICATION SHELTER  
LIGHTNING PROTECTION AND GROUNDING PLAN

SCALE: N.T.S. SHEET 47 OF 102 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	190
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\AECOM\NA-AVSI\ecommon\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase\11000\_CAD\006\_Roadway\Sheets\60Y00\_Contract\0160Y00-shr-ITS-48



EQUIPMENT ELEVATION  
N.T.S.

ITS-48



D160Y00-shr-ITS-48  
 USER NAME = patrick.jordan  
 PLOT SCALE = 2.0000' / in.  
 PLOT DATE = 1/25/2020

DESIGNED - PTJ  
 DRAWN - CAM  
 CHECKED - MJL  
 DATE - 1/29/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

HALSTED COMMUNICATION SHELTER  
 EQUIPMENT ELEVATION

SCALE: N.T.S. SHEET 48 OF 102 SHEETS STA. TO STA.

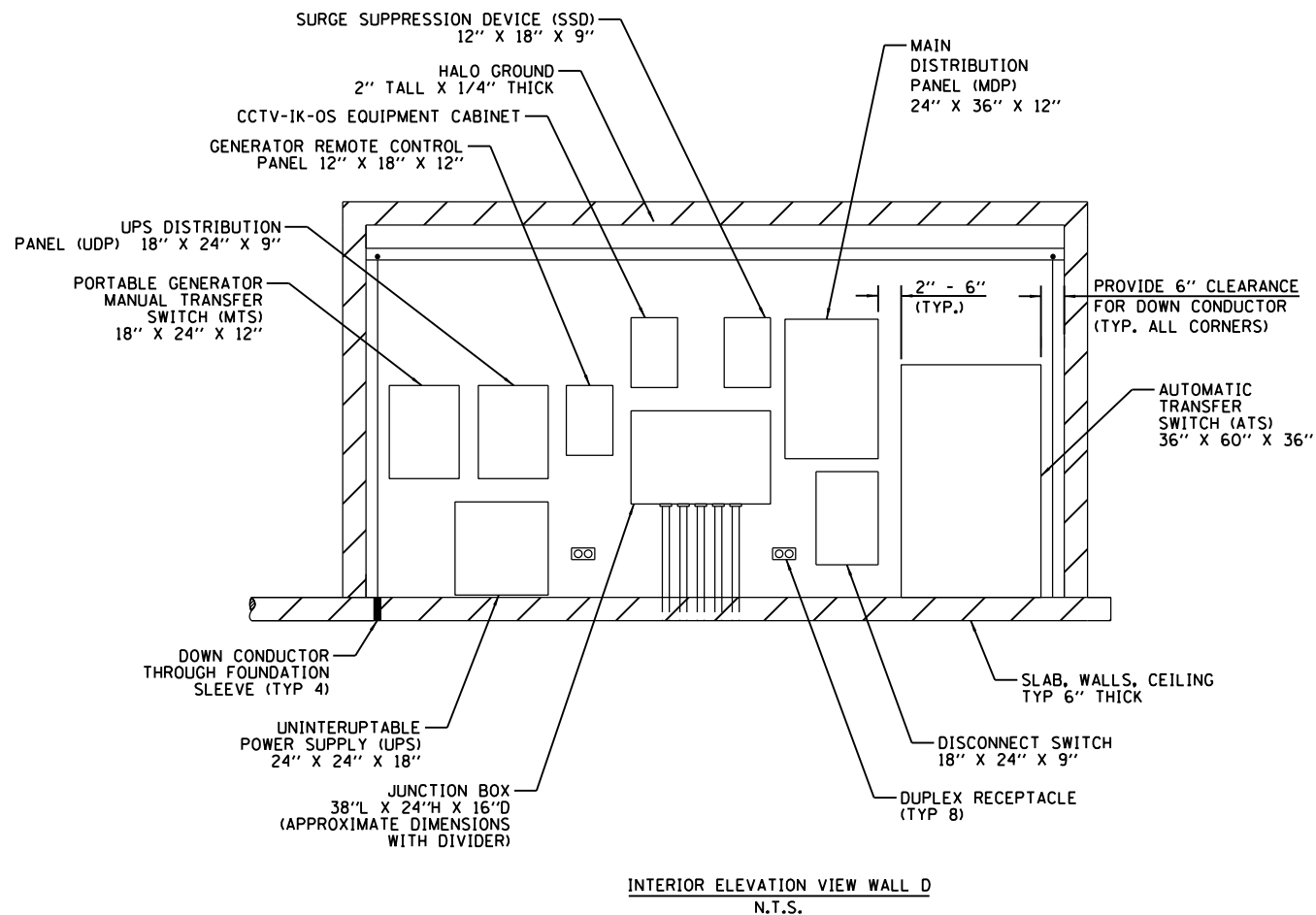
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	191
CONTRACT NO. 60Y00			ILLINOIS FED. AID PROJECT	

**INTERIOR ELEVATION VIEW WALL D NOTES**

1. ALL DIMENSIONS: L X H X D
2. ALL DIMENSIONS APPROXIMATE AND DEPENDANT ON ACTUAL EQUIPMENT SELECTED. PRIOR TO COMMENCING SITE INSTALLATION CONTRACTOR MUST SUBMIT SKETCH SHOWING ELEVATION VIEWS OF SHELTER WALLS WITH ELECTRICAL EQUIPMENT. SKETCH TO SHOW ACTUAL DIMENSIONS OF EQUIPMENT SELECTED, CONDUIT ROUTES, AND CLEARANCES.

**GENERAL EQUIPMENT RACK LAYOUT NOTES:**

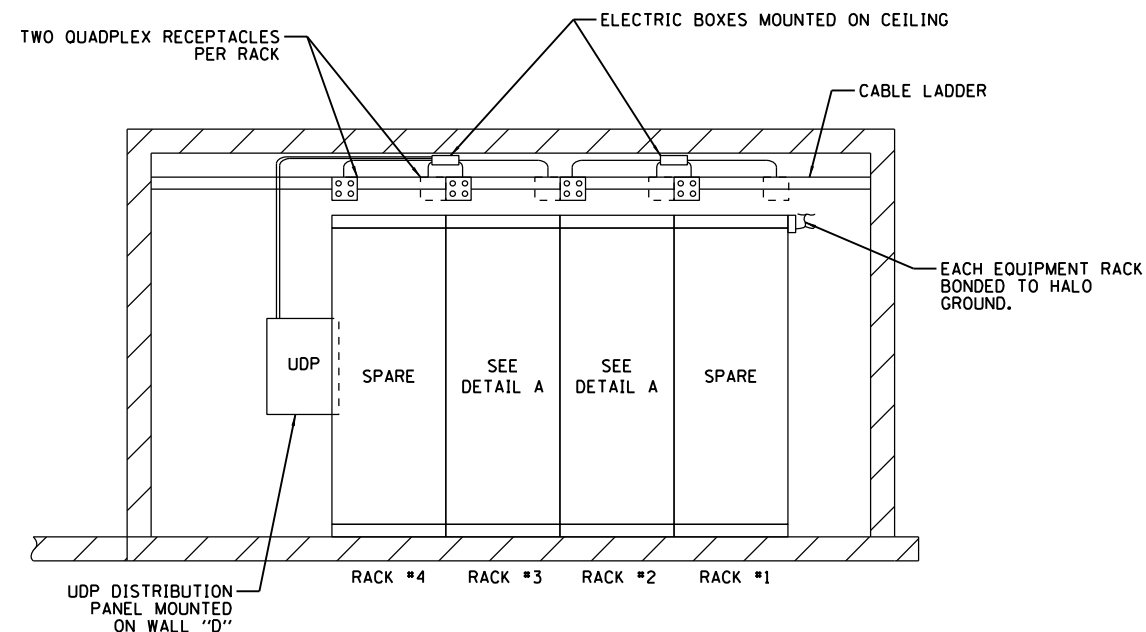
1. CONTRACTOR TO COORDINATE WITH THE TRAFFIC SYSTEMS CENTER ENGINEER TO CONFIRM EQUIPMENT RACK LAYOUTS.
2. REFER TO SHEETS ITS-92 TO ITS-102 FOR FIBER ASSIGNMENTS.



INTERIOR ELEVATION VIEW WALL D  
N.T.S.

FIBER TERMINATION SHELF 144F HALSTED SHELTER - BLDG. A	COPPER TX/RX TERMINATION BOARD
FIBER TERMINATION SHELF 144F HALSTED SHELTER - I55 SHELTER	
FIBER TERMINATION SHELF 96F HALSTED SHELTER - I55 SHELTER	4RU OPEN SPACE
FIBER TERMINATION SHELF 96F HALSTED SHELTER - TSC	IFS ANALOG VIDEO/DATA RECEIVER RACK
FIBER TERMINATION SHELF 96F HALSTED SHELTER - PUMP STATION 5	IMUX 2000 MULTIPLEXER
FO TERM. SHELF - 12F TO CABINET Z4	SIOURA ENCODER RACK
FO TERM. SHELF - 12F TO CABINET Z6	
FO TERM. SHELF - 12F TO IK-OI/IK-OJ	
FO TERM. SHELF - 12F TO IK-OS	
FO TERM. SHELF - 12F TO IK-OT/IK-OU	
4RU OPEN SPACE	
CISCO 9300 (UIC)	
CISCO 9300 (ACCESS)	
CISCO 9300 (ACCESS)	
CISCO 9500 (CORE)	
CISCO 9500 (CORE)	
CISCO 9500 (REGENERATION)	
CISCO 9500 (REGENERATION)	
20A POWER CENTER	
OPEN SPACE	
	SHELF
	1RU OPEN SPACE

DETAIL A  
N.T.S.



GENERAL EQUIPMENT RACK LAYOUT  
N.T.S.

FILE PATH = p:\naecom\na-ansi\encom\line\local\ecom\0502\_nal\Documents\01\_Americas\Transportation\60269938\_Circle Phase II\000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-49



D160Y00-shr-ITS-49  
USER NAME = patrick.jordan  
PLOT SCALE = 2.0000 ' / in.  
PLOT DATE = 3/3/2020

DESIGNED - PTJ  
DRAWN - CAM  
CHECKED - MJL  
DATE - 3/4/2020

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

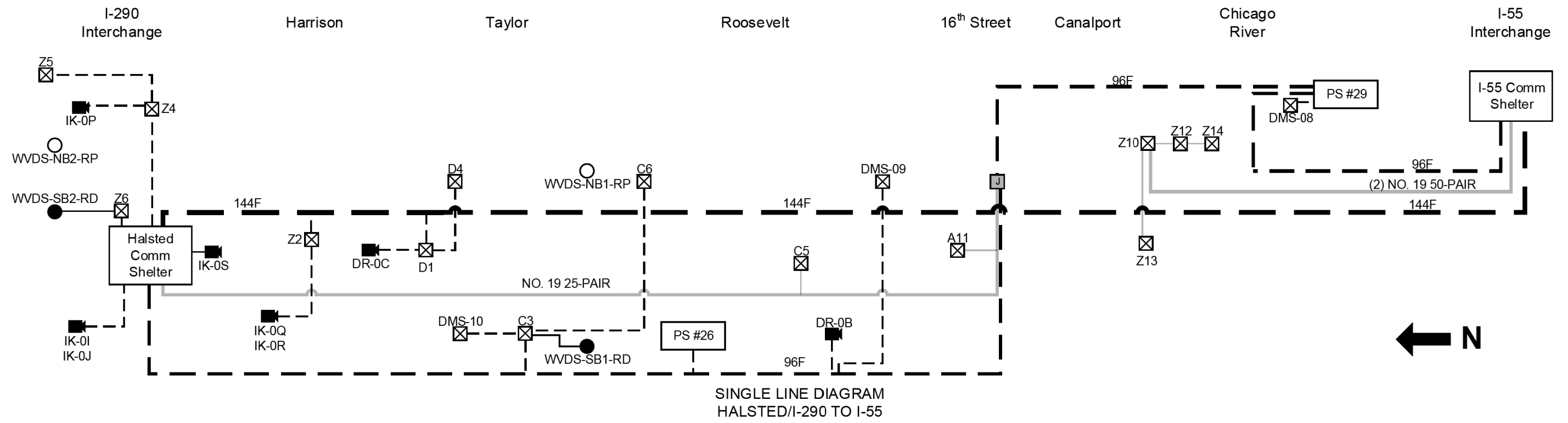
HALSTED COMMUNICATION SHELTER  
EQUIPMENT SCHEMATIC

SCALE: N.T.S. SHEET 49 OF 102 SHEETS STA. TO STA.

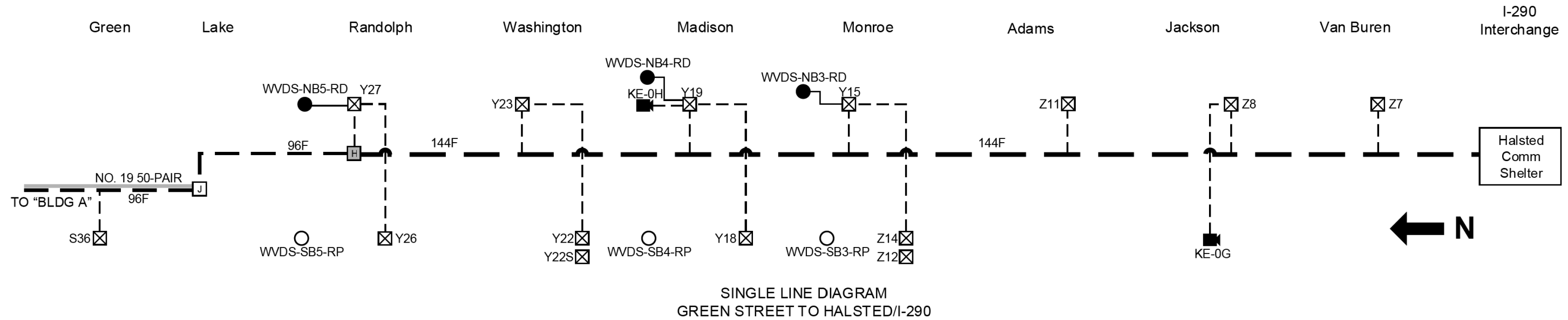
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	192
CONTRACT NO. 60Y00			ILLINOIS FED. AID PROJECT	

ITS-49

FILE PATH = p:\aecom\m-n\m51\elecmon\line\local\AECOM\_DS02\_IL\000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-50



SINGLE LINE DIAGRAM  
HALSTED/I-290 TO I-55



SINGLE LINE DIAGRAM  
GREEN STREET TO HALSTED/I-290

**Legend**

- ☒ CABINET (SURVEILLANCE, RAMP METER, OR DMS)
- WIRELESS VEHICLE DETECTION REPEATER
- WIRELESS VEHICLE DETECTION RADIO
- CLOSED CIRCUIT TELEVISION CAMERA
- HEAVY-DUTY HANDHOLE
- JUNCTION BOX
- MAINLINE FIBER SPLICE
- CAT-5E CABLE
- COPPER CABLE LATERAL
- COPPER CABLE TRUNKLINE (COUNT AS SHOWN)
- 12 SMF LATERAL
- 96 SMF
- 144 SMF



D160Y00-shr-ITS-50  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 3/2/2020

DESIGNED - PTJ  
 DRAWN - CAM  
 CHECKED - MJL  
 DATE - 3/4/2020

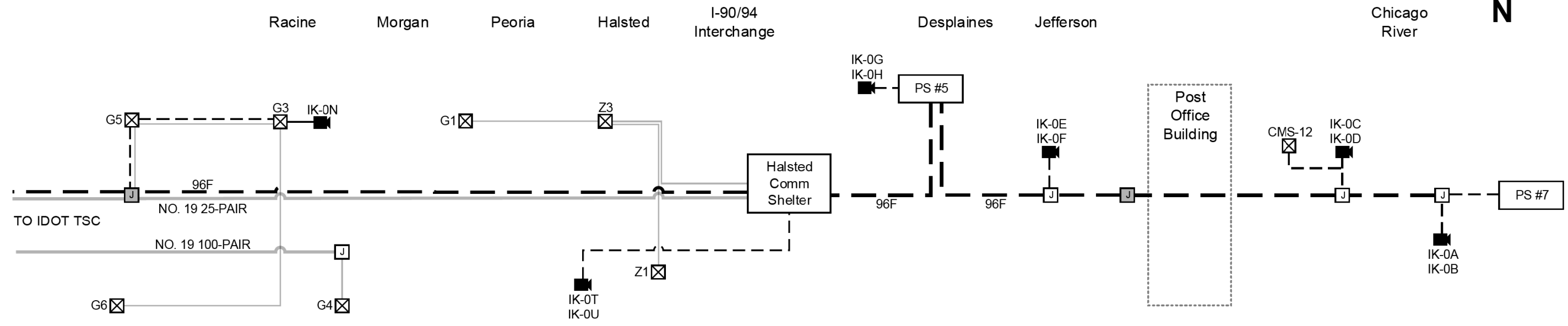
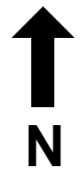
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

COMMUNICATIONS SINGLE LINE DIAGRAM  
 SCALE: N.T.S. SHEET 50 OF 102 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	193
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

ITS-50



SINGLE LINE DIAGRAM  
RACINE STREET TO PUMP STATION #7

**Legend**

- ☒ CABINET (SURVEILANCE, RAMP METER, OR DMS)
- WIRELESS VEHICLE DETECTION REPEATER
- WIRELESS VEHICLE DETECTION RADIO
- CLOSED CIRCUIT TELEVISION CAMERA
- ⌈ HEAVY-DUTY HANDHOLE
- ⌋ JUNCTION BOX
- MAINLINE FIBER SPLICE
- CAT-5E CABLE
- COPPER CABLE LATERAL
- COPPER CABLE TRUNKLINE (COUNT AS SHOWN)
- 12 SMF LATERAL
- 96 SMF
- 144 SMF

FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase\1\000\_CAD\006\_Roadway\Sheets\60Y00\_Contract\0160Y00-shr-ITS-51



D160Y00-shr-ITS-51  
 USER NAME = patrick.jordan  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/25/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

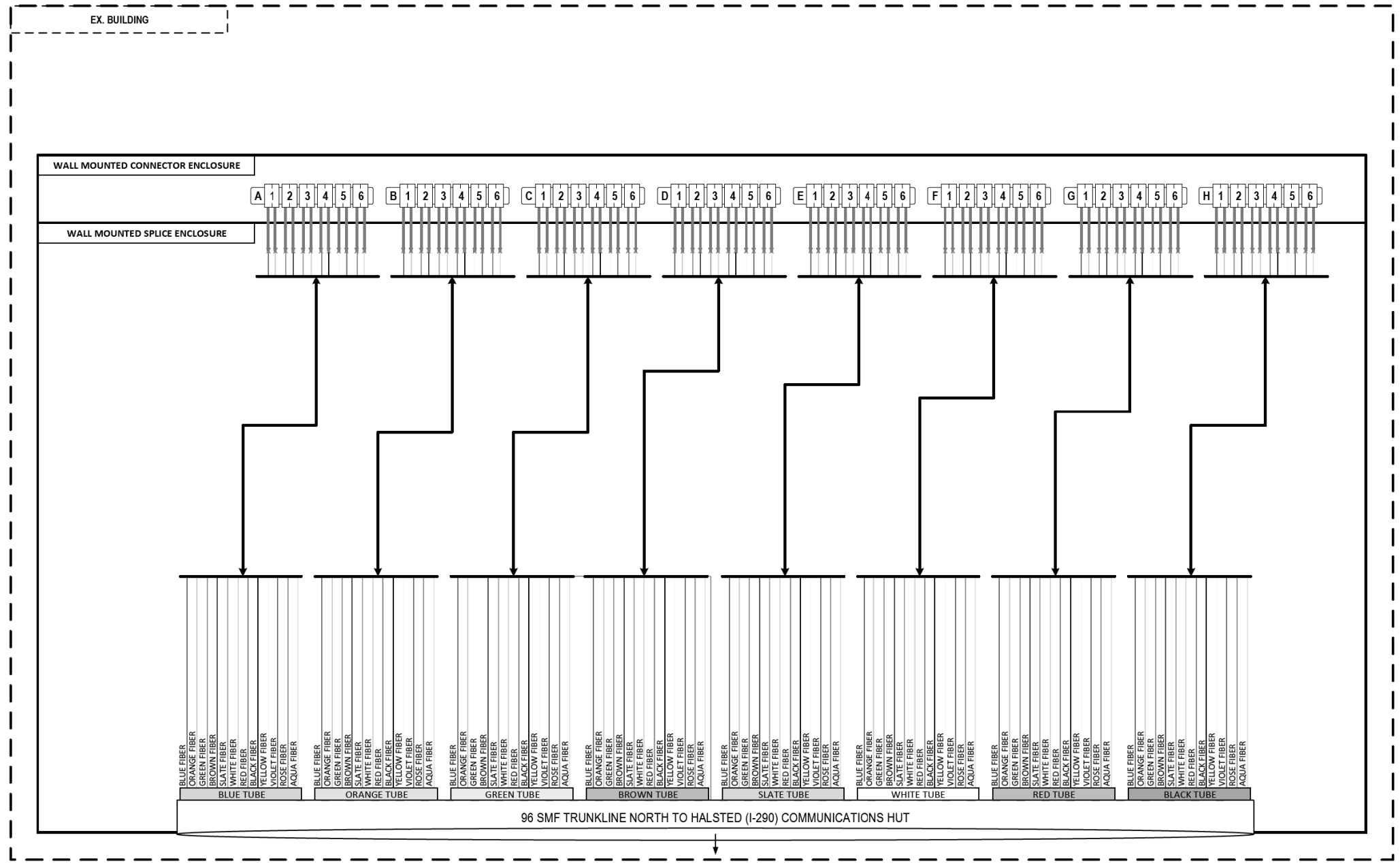
COMMUNICATIONS SINGLE LINE DIAGRAM

SCALE: N.T.S SHEET 51 OF 102 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	194
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

ITS-51

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### LEGEND

- E238.2D DEVICE IDENTIFIER
- WIRELESS VEHICLE DETECTION SYSTEM
- EXISTING WIRELESS VEHICLE DETECTION SYSTEM
- CCTV CAMERA
- EXISTING CCTV CAMERA
- DMS DYNAMIC MESSAGE SIGN
- EXISTING DYNAMIC MESSAGE SIGN
- PATCH THROUGH FIBER OPTIC JUMPER
- FIBER OPTIC JUMPER, SINGLE MODE
- FIBER OPTIC PIGTAIL, SINGLE MODE
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL
- SURGE SUPPRESSION

NOTE: GRAYSCALE AND DASHED LINE WEIGHT DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

**STAGING OF WORK:**  
**CONTRACT 62A76**  
 INSTALL 96 SMF TRUNK LINE TO PUMP STATION.  
 TERMINATE ALL STRANDS AND INSTALL FIBER OPTIC PATCH CORDS ACCORDING TO STRAND ALLOCATION SHEETS.

## PUMP STATION #29 (CHICAGO RIVER)

ITS-52



D160Y00-shr-ITS-52  
 USER NAME = myersc  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/24/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

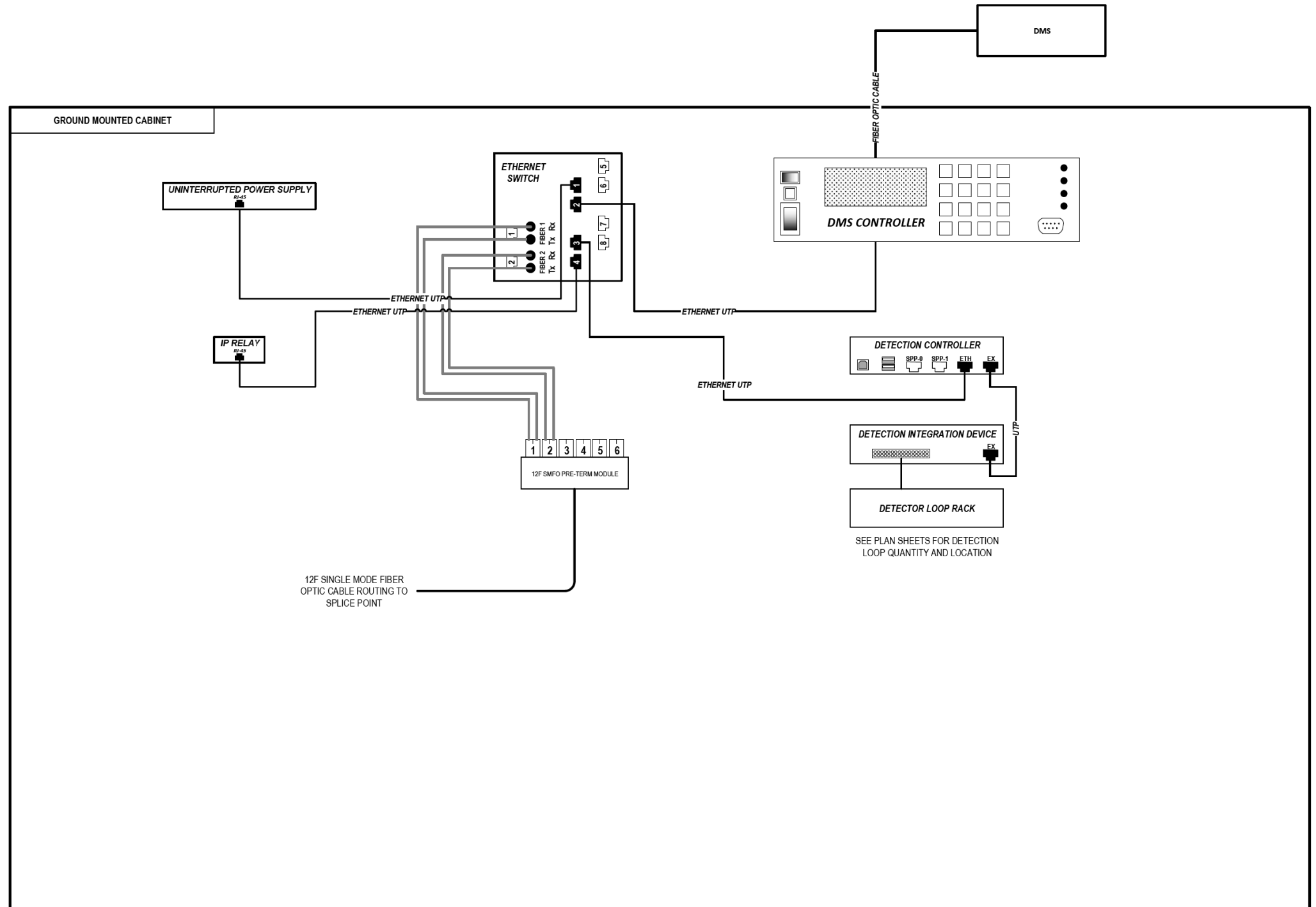
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

COMMUNICATION EQUIPMENT SCHEMATIC  
 PUMP STATION #29 (CHICAGO RIVER)

SCALE: N.T.S SHEET 52 OF 102 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	195
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

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### LEGEND

- E238.2D DEVICE IDENTIFIER
- WIRELESS VEHICLE DETECTION SYSTEM
- EXISTING WIRELESS VEHICLE DETECTION SYSTEM
- CCTV CAMERA
- EXISTING CCTV CAMERA
- DMS DYNAMIC MESSAGE SIGN
- EXISTING DYNAMIC MESSAGE SIGN
- PATCH THROUGH FIBER OPTIC JUMPER
- FIBER OPTIC JUMPER, SINGLE MODE
- FIBER OPTIC PIGTAIL, SINGLE MODE
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL
- SURGE SUPPRESSION

NOTE: GRAYSCALE AND DASHED LINE WEIGHT DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

**STAGING OF WORK:**  
**CONTRACT 62A76**  
 INSTALL DMS CABINET, CABINET EQUIPMENT AND RELATED CABLING. INSTALL 12 SMF LATERAL TO TRUNKLINE AND SPLICE.

## DYNAMIC MESSAGE SIGN DMS-09 (SOUTH OF ROOSEVELT RD.)

ITS-53



D160Y00-shr-ITS-53	DESIGNED - PTJ	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 1/24/2020	DATE - 1/29/2020	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

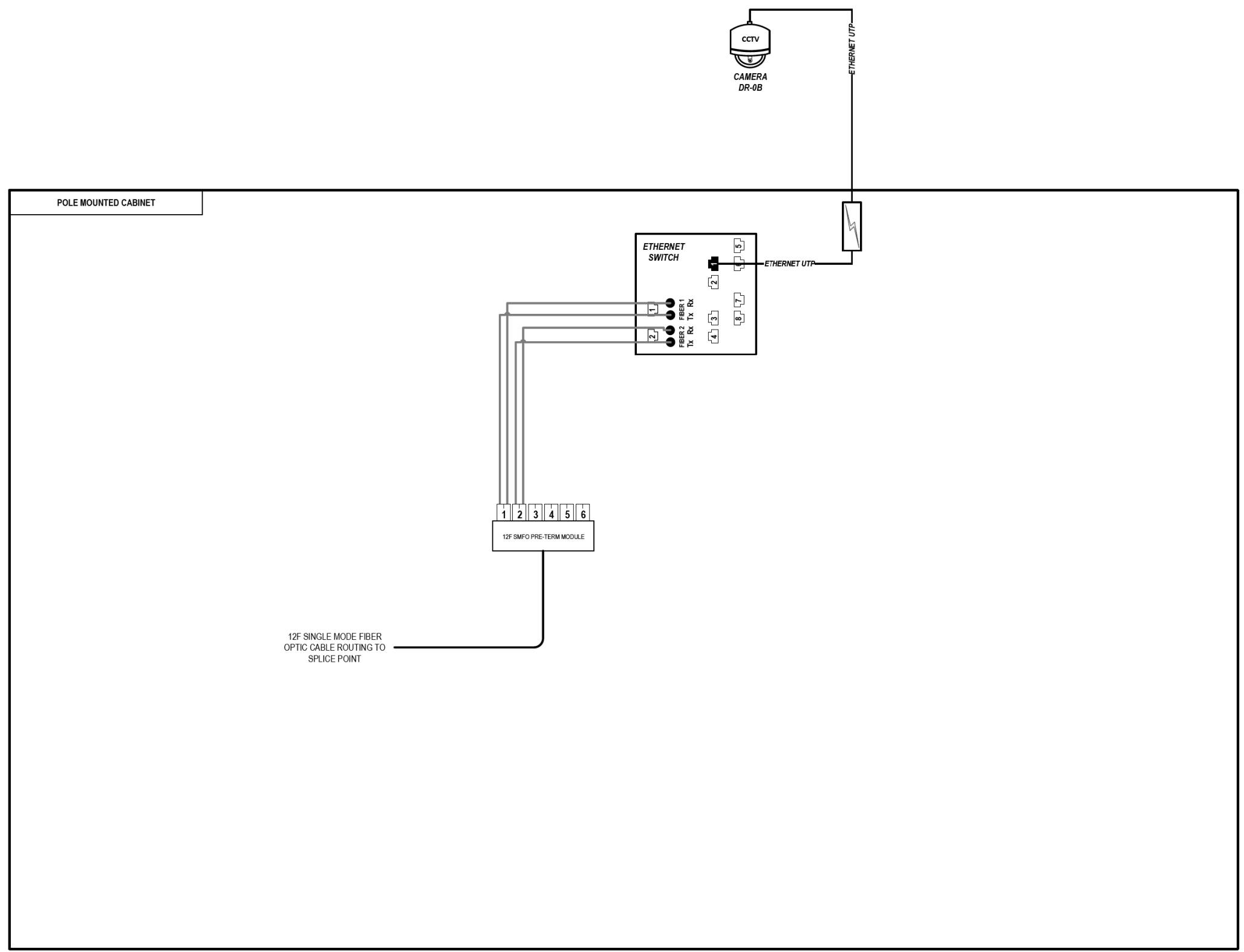
COMMUNICATION EQUIPMENT SCHEMATIC  
 DYNAMIC MESSAGE SIGN DMS-09 (SOUTH OF ROOSEVELT ROAD)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	196
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				

SCALE: N.T.S. SHEET 53 OF 102 SHEETS STA. TO STA.



FILE PATH = p:\nae\com-na-ansi\ecommon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\_Phase\_1\1000\_CAD\006\_Roadway\_Sheets\60Y00\_Contract\0160Y00-shr-ITS-54



### LEGEND

- E238.2D DEVICE IDENTIFIER
- WIRELESS VEHICLE DETECTION SYSTEM
- EXISTING WIRELESS VEHICLE DETECTION SYSTEM
- CCTV CAMERA
- EXISTING CCTV CAMERA
- DMS DYNAMIC MESSAGE SIGN
- EXISTING DYNAMIC MESSAGE SIGN
- PATCH THROUGH FIBER OPTIC JUMPER
- FIBER OPTIC JUMPER, SINGLE MODE
- FIBER OPTIC PIGTAIL, SINGLE MODE
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL
- SURGE SUPPRESSION

NOTE: GRAYSCALE AND DASHED LINE WEIGHT DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

**STAGING OF WORK:**

**CONTRACT 62A77 - TEMPORARY**  
 INSTALL CCTV CAMERA, CCTV CABINET, AND CABINET EQUIPMENT WITH RELATED CABLING. INSTALL 12 SMF LATERAL TO TRUNKLINE AND SPLICE.

**CONTRACT 62A77 - PERMANENT**  
 PULL BACK EXISTING 12 SMF LATERAL TO HANDHOLE, RELOCATE CAMERA ELEMENTS TO PERMANENT POLE, RE-INSTALL 12 SMF LATERAL TO CABINET WHILE MAINTAINING TRUNKLINE SPLICE.

## CCTV CAMERA DR-0B (SOUTH OF ROOSEVELT RD.)

ITS-54



D160Y00-shr-ITS-54	DESIGNED - PTJ	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
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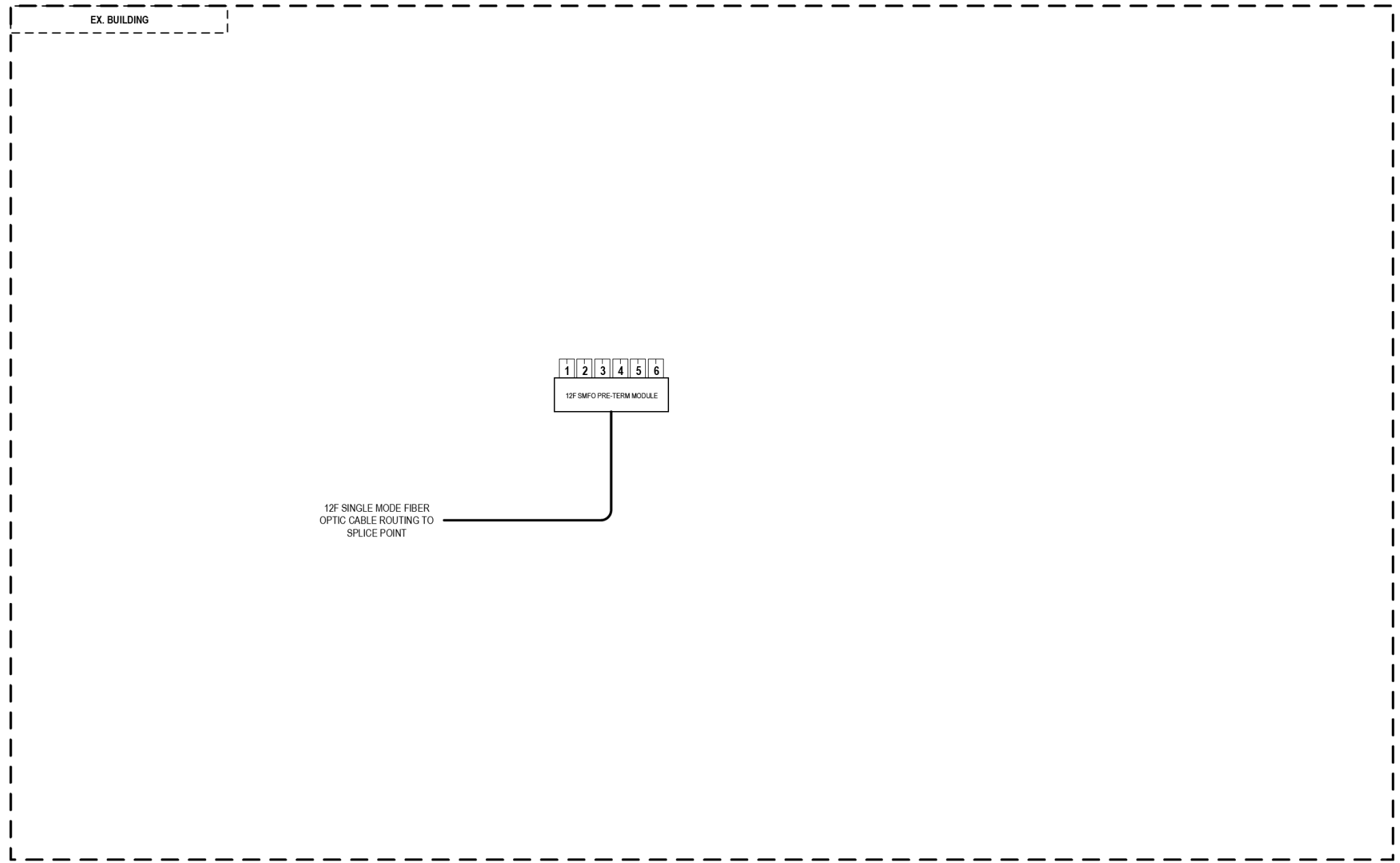
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

COMMUNICATION EQUIPMENT SCHEMATIC  
CCTV CAMERA DR-0B (SOUTH OF ROOSEVELT ROAD)

SCALE: N.T.S. SHEET 54 OF 102 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	197
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y00	

FILE PATH = p:\aecom\ms-ansi\ecommon\local\AECOM\_DS02\_IL\000\_CAD\006\_Roadway\Sheets\60Y00\_Contract\0160Y00-shr-ITS-55



### LEGEND

- E238.2D DEVICE IDENTIFIER
- WIRELESS VEHICLE DETECTION SYSTEM
- EXISTING WIRELESS VEHICLE DETECTION SYSTEM
- CCTV CAMERA
- EXISTING CCTV CAMERA
- DMS DYNAMIC MESSAGE SIGN
- EXISTING DYNAMIC MESSAGE SIGN
- PATCH THROUGH FIBER OPTIC JUMPER
- FIBER OPTIC JUMPER, SINGLE MODE
- FIBER OPTIC PIGTAIL, SINGLE MODE
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL
- SURGE SUPPRESSION

NOTE: GRAYSCALE AND DASHED LINE WEIGHT DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

**STAGING OF WORK:**  
**CONTRACT 62A77**  
 INSTALL 12 SMF LATERAL TO TRUNKLINE AND SPLICE.

## PUMP STATION #26 (1150 S. UNION AVENUE)

ITS-55



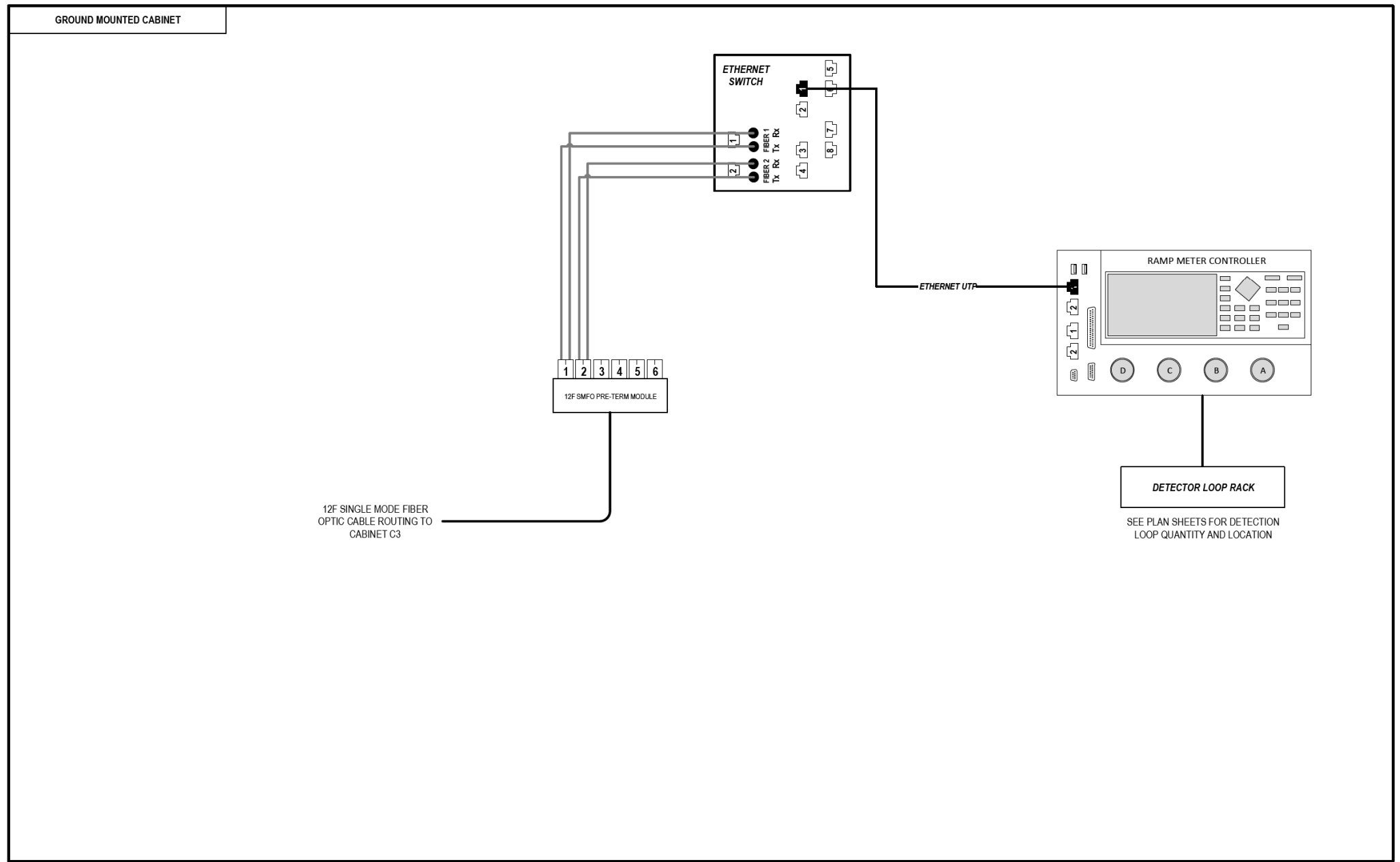
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PLOT DATE = 1/24/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>COMMUNICATION EQUIPMENT SCHEMATIC</b>	
<b>PUMP STATION #26 (1150 S. UNION AVENUE)</b>	
SCALE: N.T.S	SHEET 55 OF 102 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	198
CONTRACT NO. 60Y00			ILLINOIS FED. AID PROJECT	

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### LEGEND

- E238.2D DEVICE IDENTIFIER
- WIRELESS VEHICLE DETECTION SYSTEM
- EXISTING WIRELESS VEHICLE DETECTION SYSTEM
- CCTV CAMERA
- EXISTING CCTV CAMERA
- DMS DYNAMIC MESSAGE SIGN
- EXISTING DYNAMIC MESSAGE SIGN
- PATCH THROUGH FIBER OPTIC JUMPER
- FIBER OPTIC JUMPER, SINGLE MODE
- FIBER OPTIC PIGTAIL, SINGLE MODE
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL
- SURGE SUPPRESSION

NOTE: GRAYSCALE AND DASHED LINE WEIGHT DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

**STAGING OF WORK:**  
**CONTRACT 62A76**  
 INSTALL ITS CABINET, CABINET EQUIPMENT AND RELATED CABLING. INSTALL 12 SMF LATERAL TO CABINET C3 AND TERMINATE.

**ITS CABINET C6  
 (SOUTH OF TAYLOR STREET)**

ITS-56



D160Y00-ht-ITS-56  
 USER NAME = myersc  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 1/24/2020

DESIGNED - PTJ	REVISED -
DRAWN - CAM	REVISED -
CHECKED - MJL	REVISED -
DATE - 1/29/2020	REVISED -

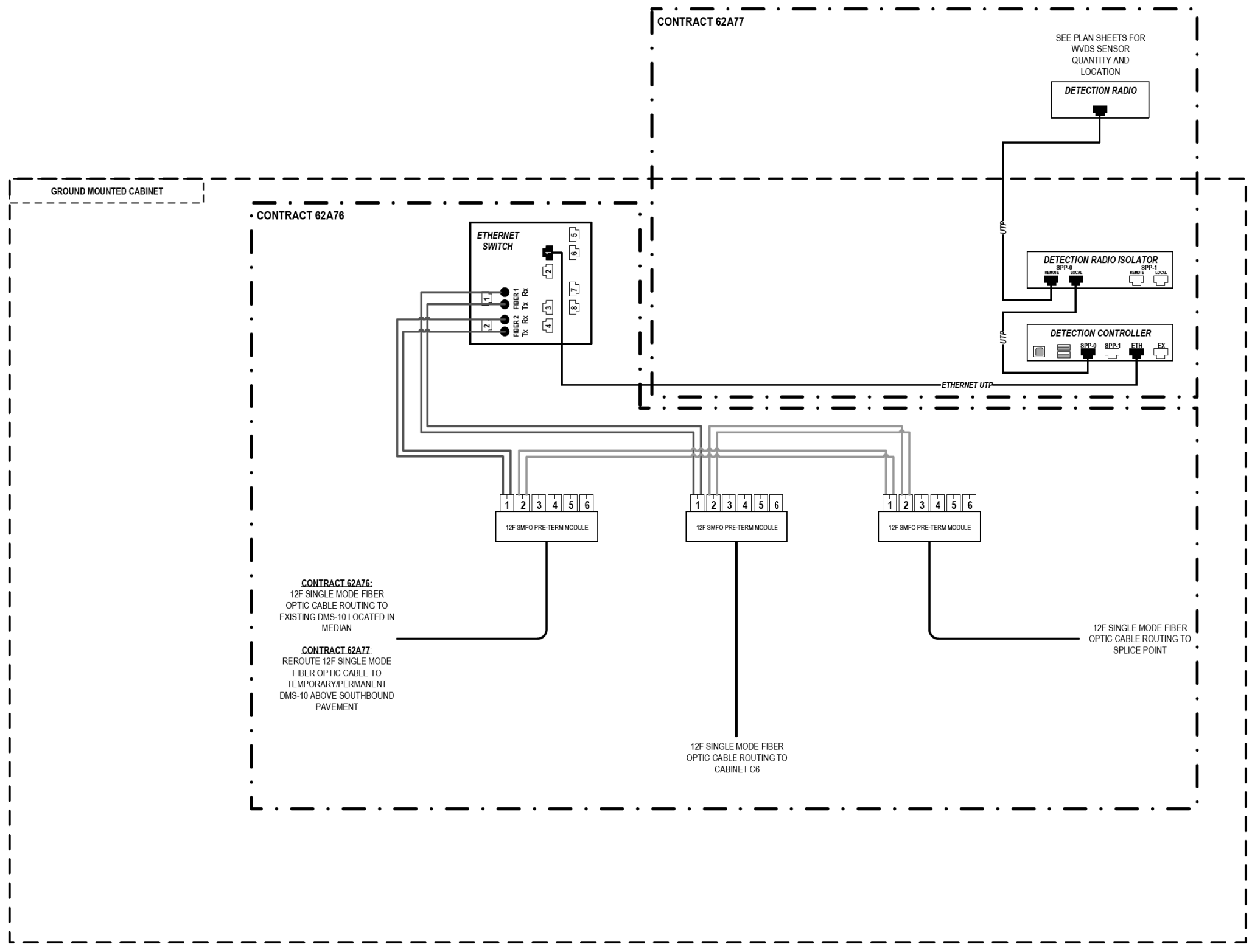
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**COMMUNICATION EQUIPMENT SCHEMATIC  
 ITS CABINET C6 (SOUTH OF TAYLOR STREET)**

SCALE: N.T.S SHEET 56 OF 102 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	199
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y00	

FILE PATH = p:\aecom\ms-ansi\ecom\line\local\AECOM\_DS02\_IL\000\_CAD\006\_Roadway\Sheets\60Y00\_Contract\0160Y00-shr-ITS-57



**LEGEND**

- E238.2D DEVICE IDENTIFIER
- WIRELESS VEHICLE DETECTION SYSTEM
- EXISTING WIRELESS VEHICLE DETECTION SYSTEM
- CCTV CAMERA
- EXISTING CCTV CAMERA
- DMS DYNAMIC MESSAGE SIGN
- EXISTING DYNAMIC MESSAGE SIGN
- PATCH THROUGH FIBER OPTIC JUMPER
- FIBER OPTIC JUMPER, SINGLE MODE
- FIBER OPTIC PIGTAIL, SINGLE MODE
- BARE FIBER LEFT COILED IN SPLICE TRAY
- FIBER OPTIC FUSION SPLICE
- FIBER PATCH PANEL
- SURGE SUPPRESSION

NOTE: GRAYSCALE AND DASHED LINE WEIGHT DENOTE EXISTING CABLES, DEVICES, OR ENCLOSURES.

**STAGING OF WORK:**

**CONTRACT 62A76**

INSTALL ITS CABINET EQUIPMENT AND RELATED CABLING. TERMINATE 12 SMF LATERAL FROM CABINET C6 IN CABINET C3. INSTALL 12 SMF LATERAL TO EXISTING DMS-10 IN THE MEDIAN AND TERMINATE. INSTALL 12 SMF LATERAL TO TRUNKLINE AND SPLICE.

**CONTRACT 62A77**

ITS CABINET, EQUIPMENT AND RELATED CABLING INSTALLED BY OTHERS IN CONTRACT 62A76. CONTRACT 62A77 TO INSTALL WVDS AND ASSOCIATED ITS CABINET EQUIPMENT AND RELATED CABLING. REROUTE EXISTING 12 SMF LATERAL FROM EXISTING DMS-10 IN THE MEDIAN TO TEMPORARY/PERMANENT DMS-10 CABINET AND TERMINATE.

**ITS CABINET C3  
(SOUTH OF TAYLOR STREET)**

ITS-57



D160Y00-shr-ITS-57	DESIGNED - PTJ	REVISED -
USER NAME = myersc	DRAWN - CAM	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MJL	REVISED -
PLOT DATE = 1/24/2020	DATE - 1/29/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**COMMUNICATION EQUIPMENT SCHEMATIC  
ITS CABINET C3 (SOUTH OF TAYLOR STREET)**

SCALE: N.T.S SHEET 57 OF 102 SHEETS STA. TO STA.

F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-009L	COOK	263	200
CONTRACT NO. 60Y00				
ILLINOIS FED. AID PROJECT				