

NOTES

1. ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON PCC PAVEMENT SHALL BE POLYUREA TYPE I EXCEPT WHERE NOTED IN THE PLANS.
2. ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON BITUMINOUS PAVEMENT SHALL BE THERMOPLASTIC EXCEPT WHERE NOTED IN THE PLANS.
3. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE OF THE IMPROVEMENT LIMITS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
4. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING PAVEMENT MARKINGS AND MARKERS FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE DIRECTED BY THE ENGINEER.
5. THE RESIDENT ENGINEER SHALL CONTACT EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT 847-705-4155 AND ARTERIAL TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
6. SEE STRUCTURAL SHEETS FOR PROPOSED BRIDGE LIMITS.

LEGEND

➡ DIRECTION OF TRAFFIC



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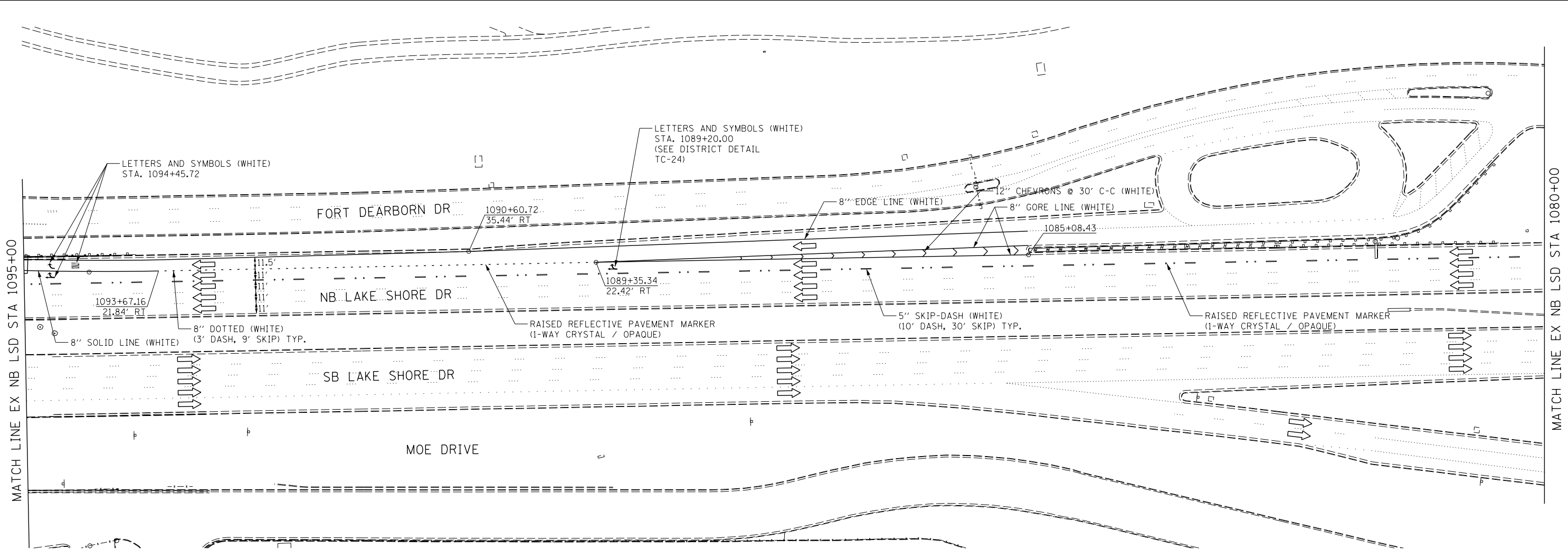
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	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
RAMP NW**

SCALE: 1" = 50' SHEET NO. 3 OF 9 SHEETS STA. 408+00 TO STA. 1095+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	201
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

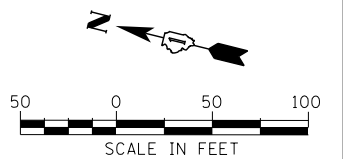
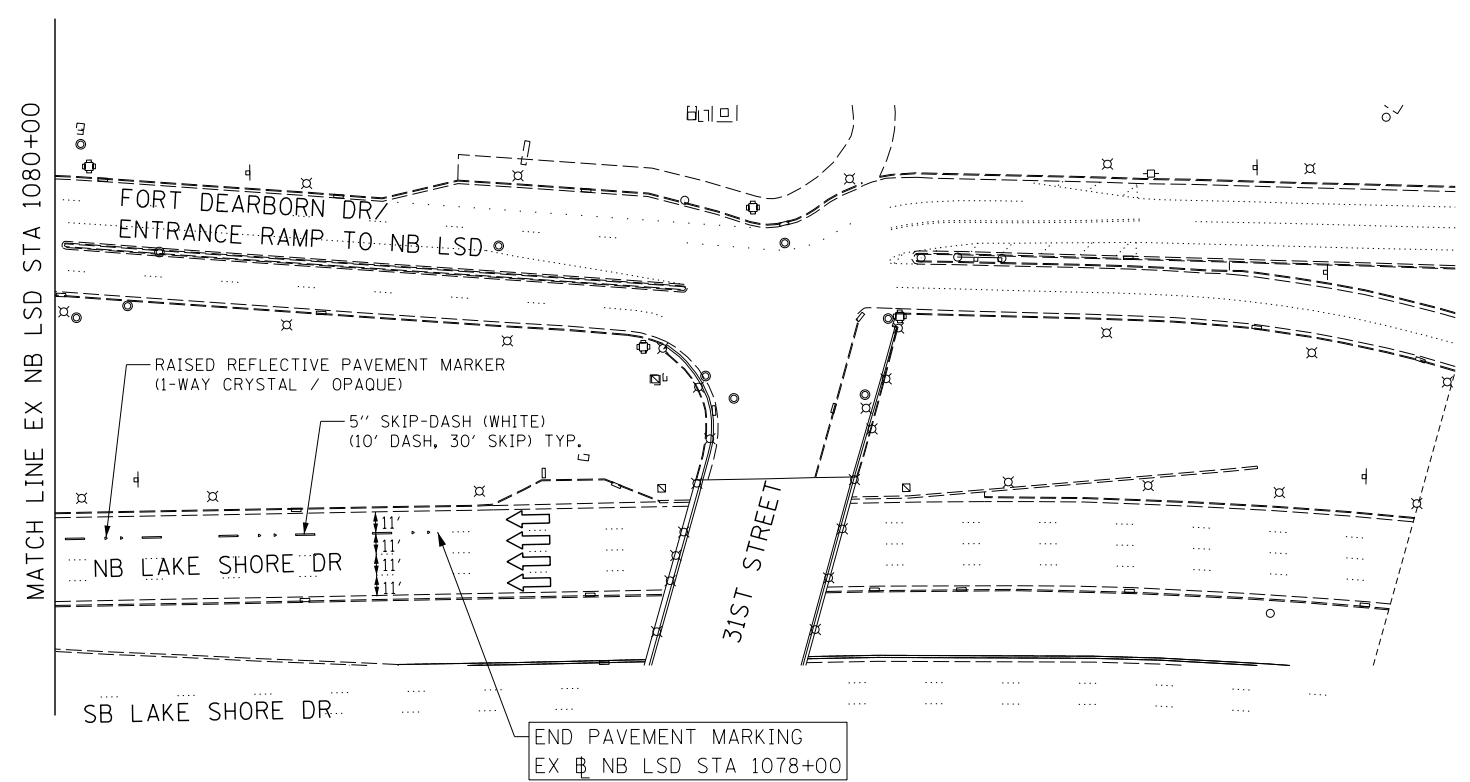


LEGEND

➔ DIRECTION OF TRAFFIC

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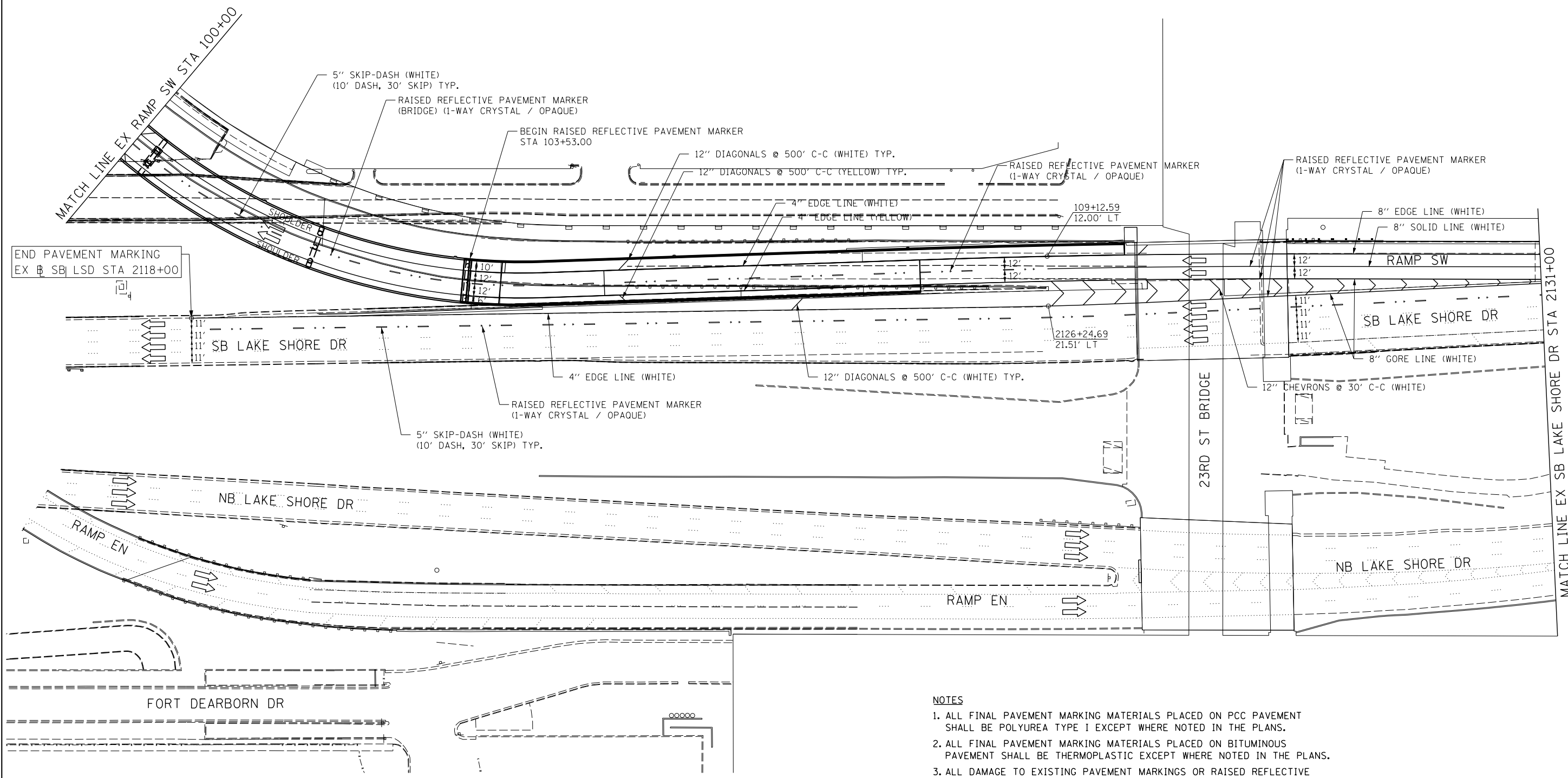
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	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
RAMP NW & NB LAKE SHORE DRIVE**

SCALE: 1" = 50' SHEET NO. 4 OF 9 SHEETS STA. 1095+00 TO STA. 1078+00

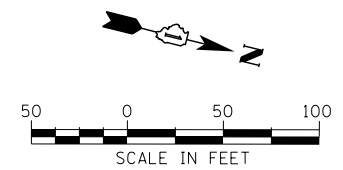
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	202
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				



END PAVEMENT MARKING
EX SB LSD STA 2118+00

LEGEND
 DIRECTION OF TRAFFIC

- NOTES**
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 6. SEE STRUCTURAL SHEETS FOR PROPOSED BRIDGE LIMITS.



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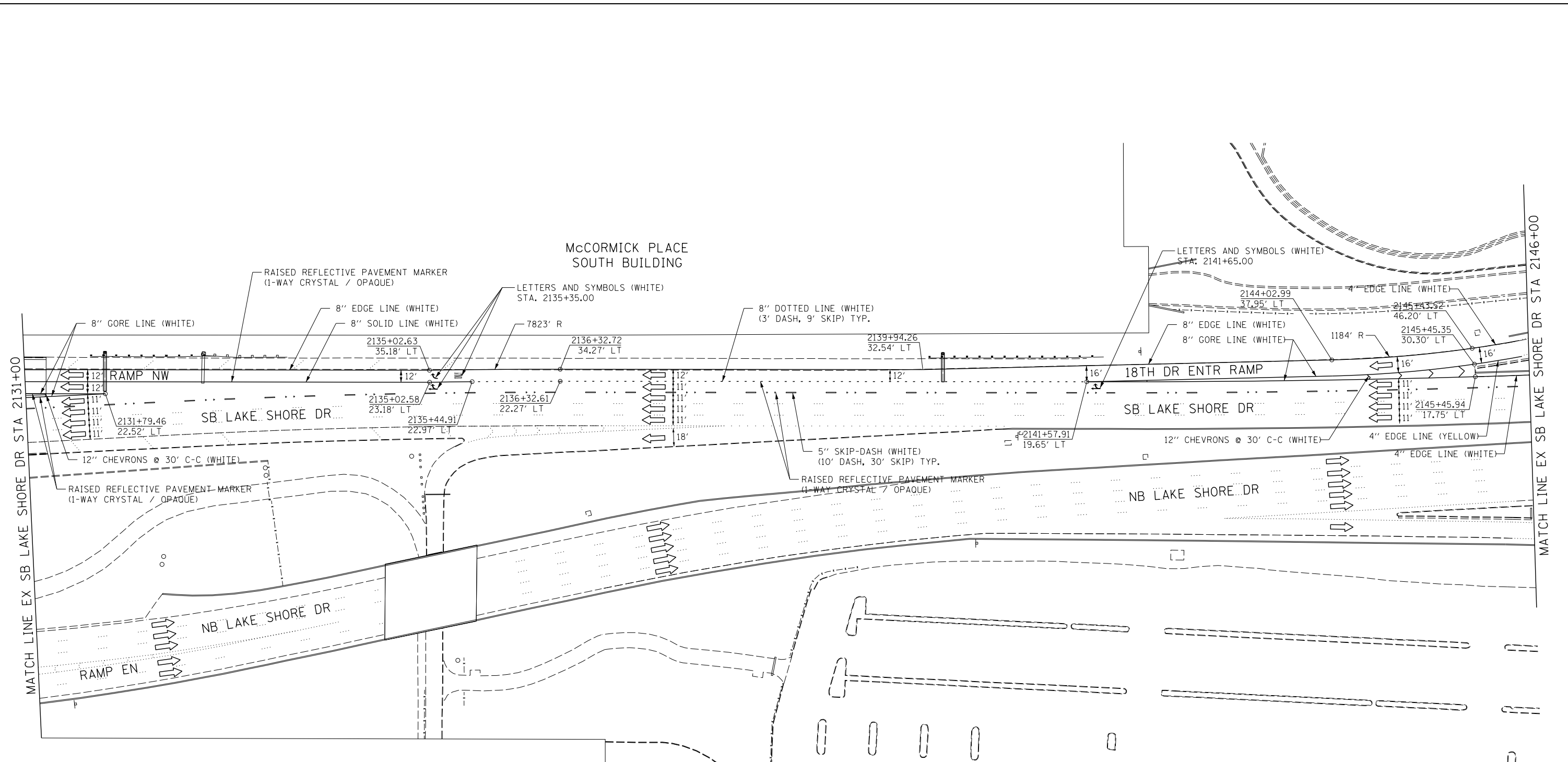


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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

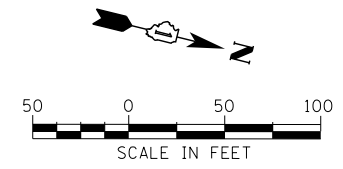
PAVEMENT MARKING PLAN	
RAMP SW	
SCALE: 1" = 50'	SHEET NO. 5 OF 9 SHEETS
STA. 100+00	TO STA. 2131+00

F.A.I. RTE. = 55	SECTION = 2010-080-B	COUNTY = COOK	TOTAL SHEETS = 886	SHEET NO. = 203
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				



LEGEND
 DIRECTION OF TRAFFIC

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 6. SEE STRUCTURAL SHEETS FOR PROPOSED BRIDGE LIMITS.



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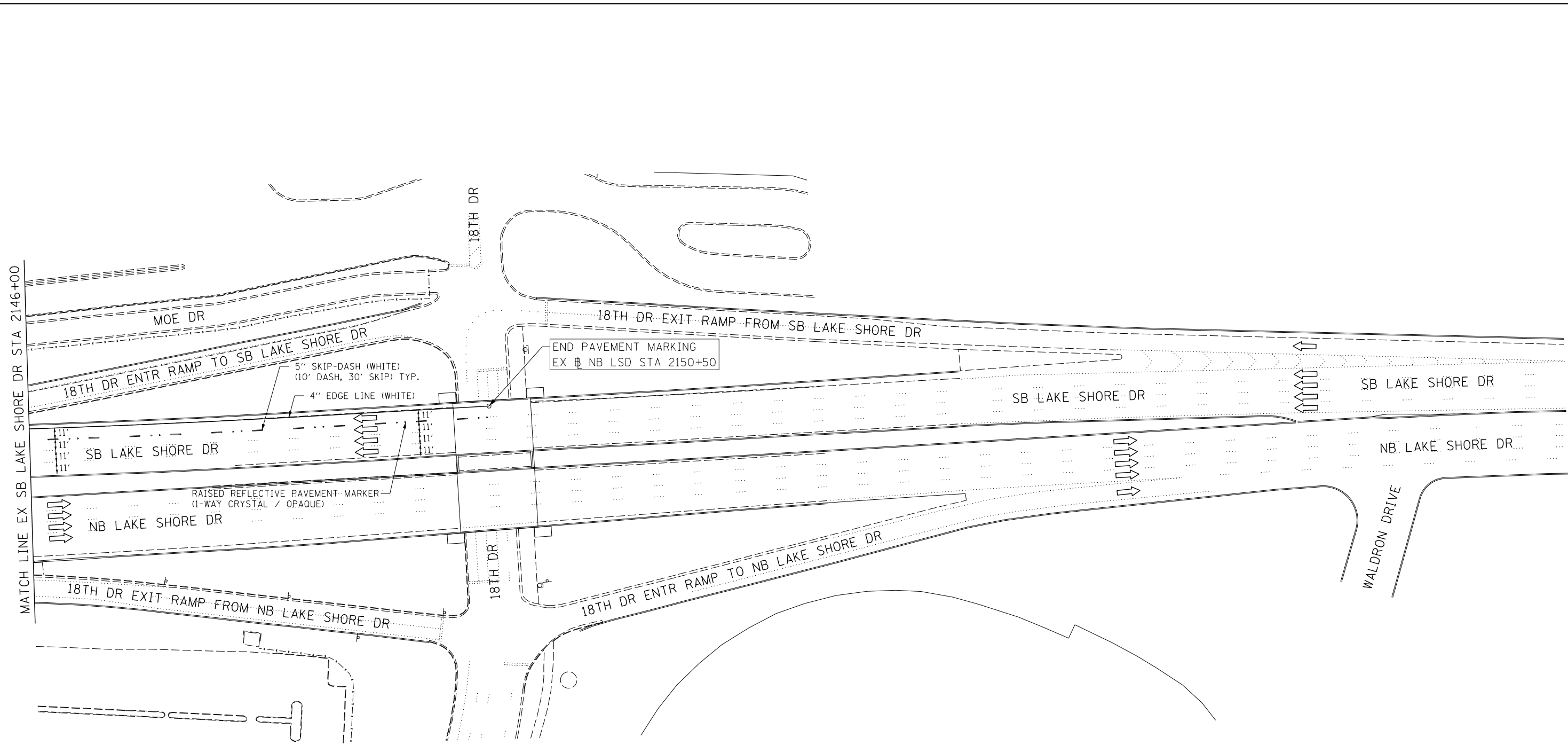


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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN	
RAMP SW & SB LAKE SHORE DRIVE	
SCALE: 1" = 50'	SHEET NO. 6 OF 9 SHEETS STA. 2131+00 TO STA. 2146+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

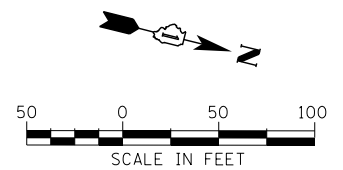


LEGEND

➔ DIRECTION OF TRAFFIC

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6. SEE STRUCTURAL SHEETS FOR PROPOSED BRIDGE LIMITS.



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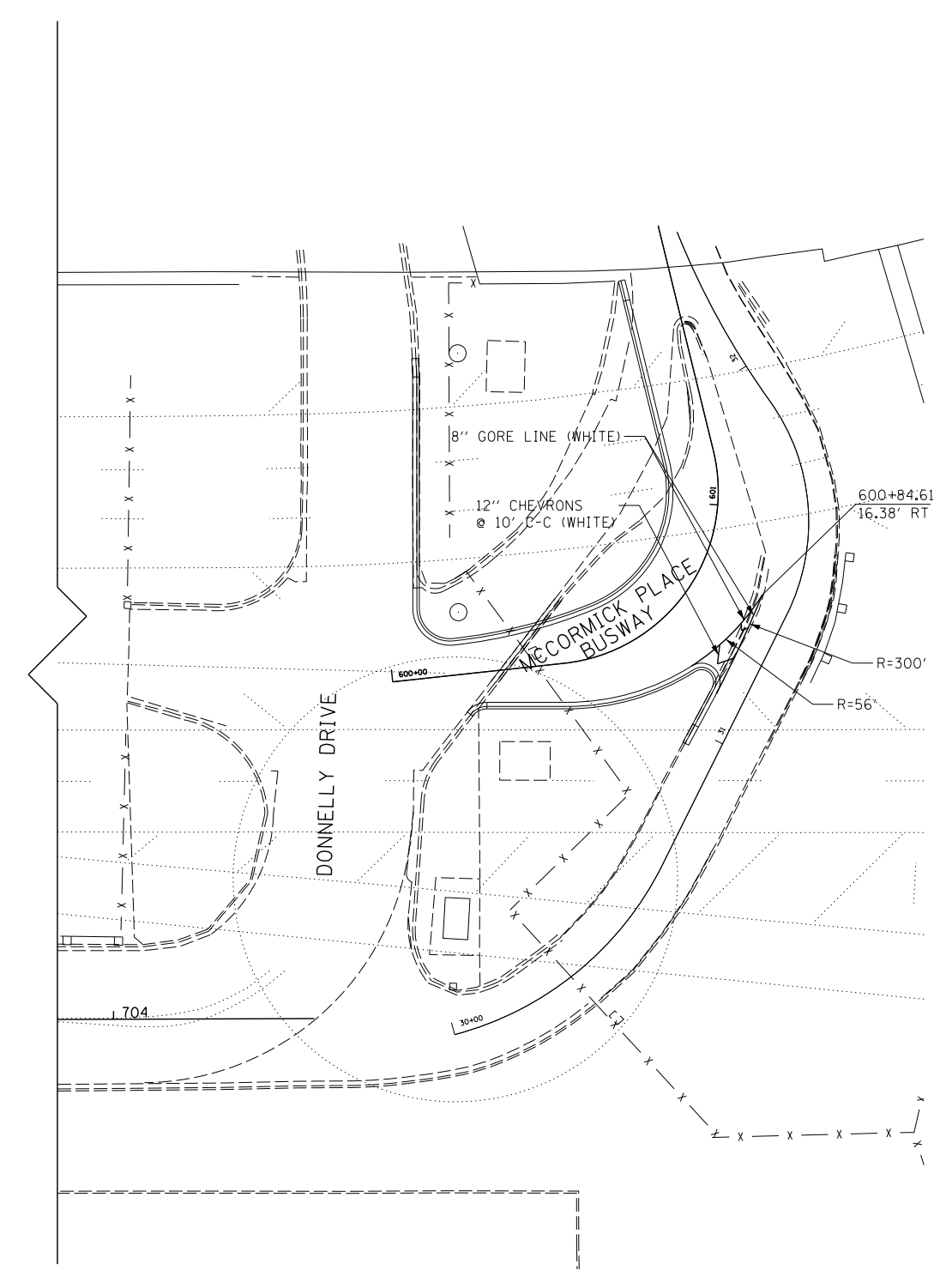
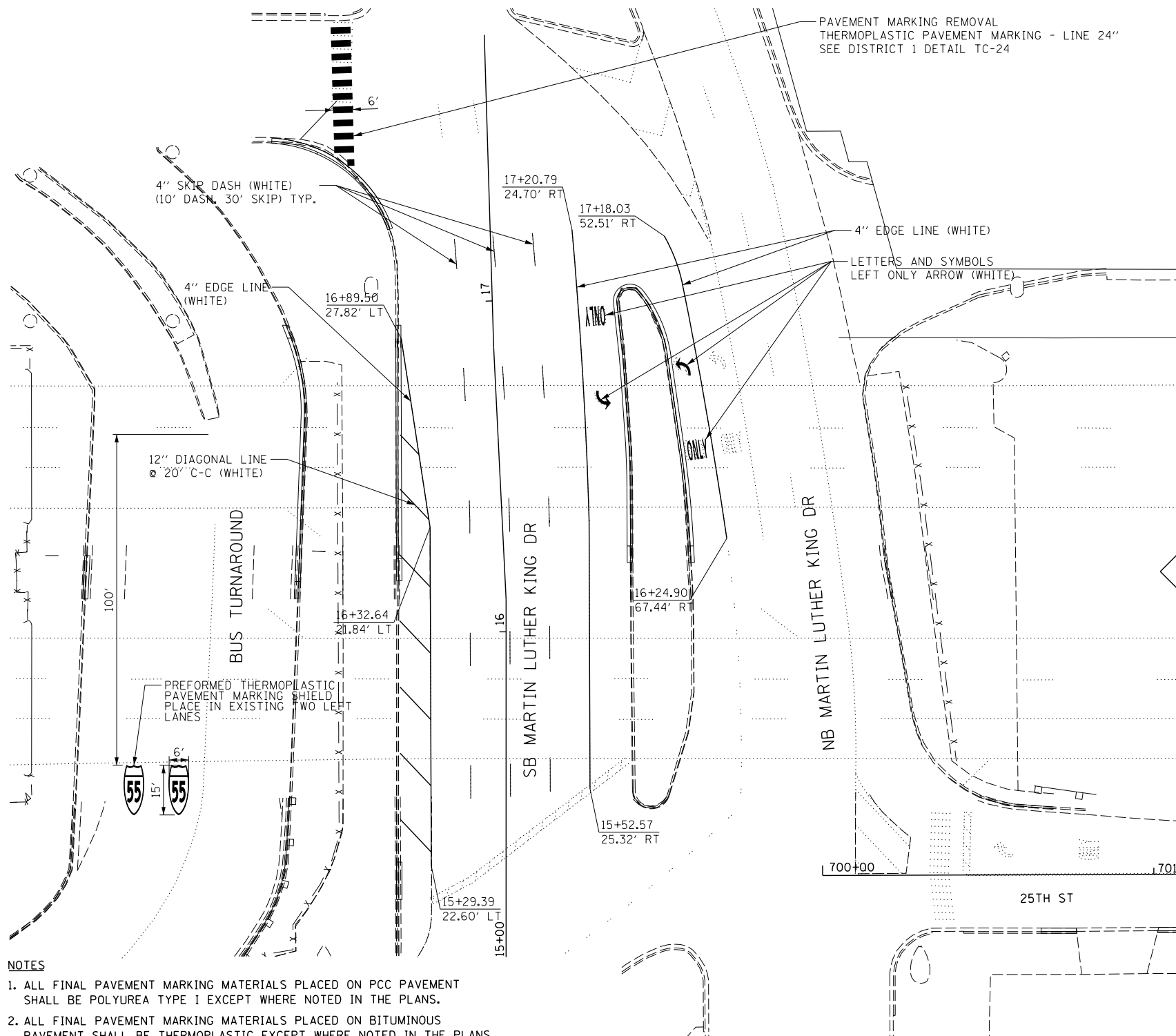
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

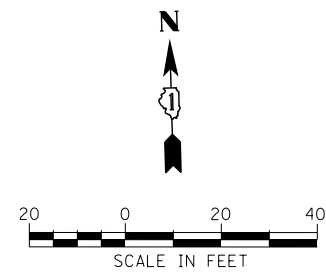
**PAVEMENT MARKING PLAN
SB LAKE SHORE DRIVE**

SCALE: 1" = 50' SHEET NO. 7 OF 9 SHEETS STA. 2146+00 TO STA. 2150+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	205
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				



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 6. SEE STRUCTURAL SHEETS FOR PROPOSED BRIDGE LIMITS.
 7. ALL PAVEMENT MARKINGS REMOVED DUE TO PATCHING SHALL BE RESTORED ONCE PATCHING WORK IS COMPLETE. PAVEMENT MARKING SHALL BE PAID FOR AS THE PAVEMENT MARKING TYPE AND SIZE AS DETERMINED BY THE FIELD ENGINEER.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN	
MARTIN LUTHER KING DRIVE & MCCORMICK PLACE BUSWAY	
SCALE: 1" = 20'	SHEET NO. 8 OF 9 SHEETS STA. TO STA.

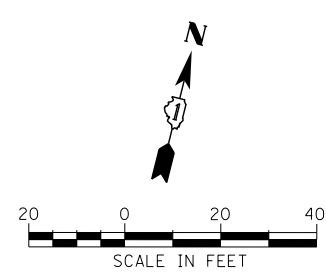
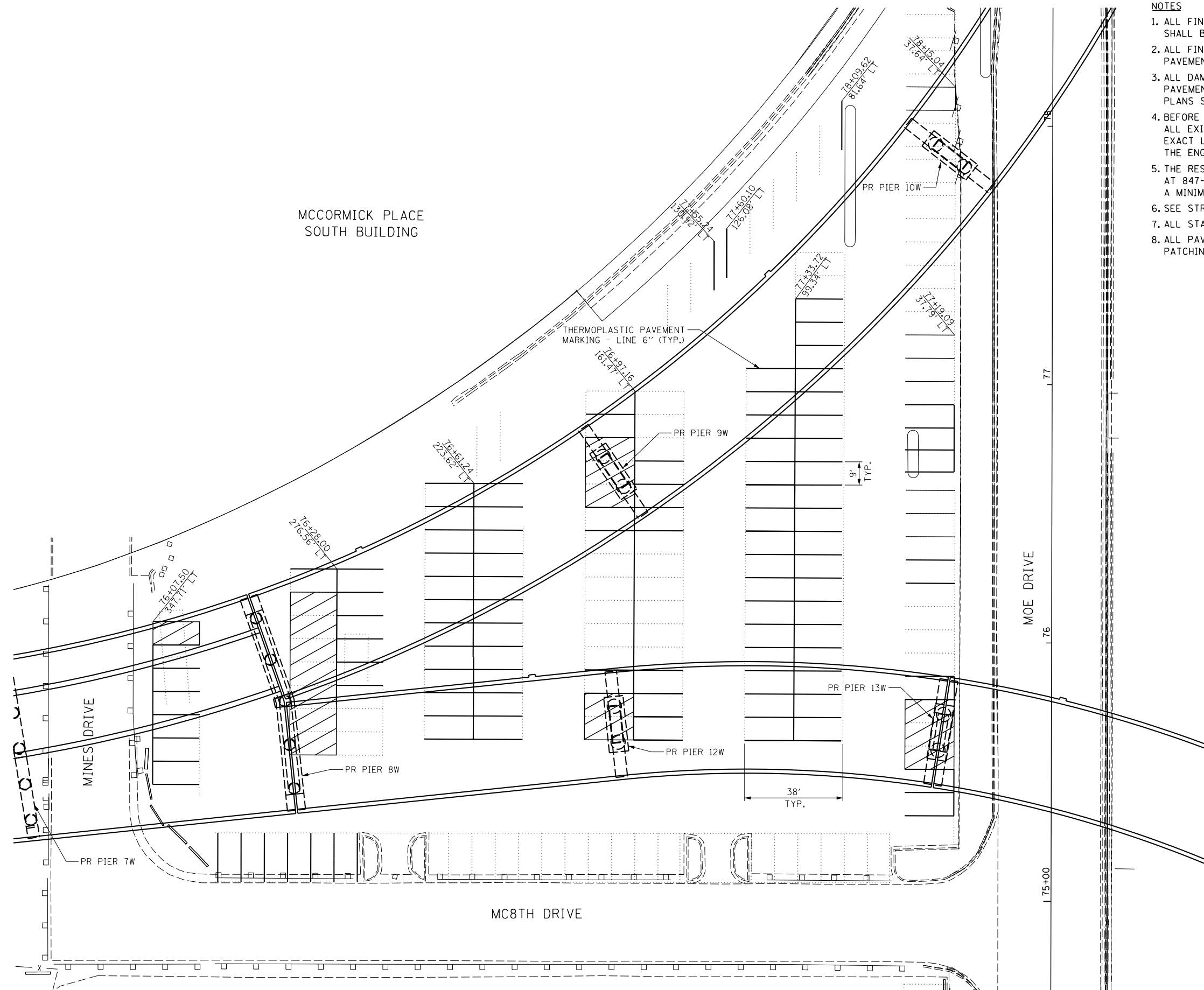
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	206
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

MCCORMICK PLACE
SOUTH BUILDING

NOTES

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6. SEE STRUCTURAL SHEETS FOR PROPOSED BRIDGE LIMITS.
7. ALL STATIONING IS BASED ON MOE DRIVE ALIGNMENT.
8. ALL PAVEMENT MARKINGS REMOVED DUE TO PATCHING SHALL BE RESTORED ONCE PATCHING WORK IS COMPLETE.

 EXISTING PARKING SPOTS THAT WILL NO LONGER BE AVAILABLE



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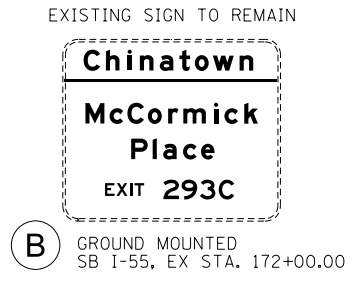
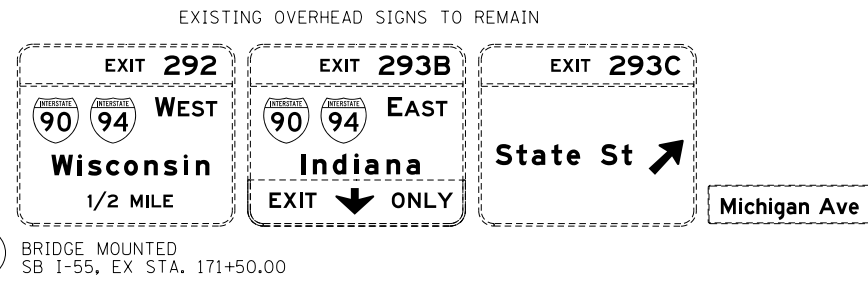


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PLOT DATE = 11/19/2014	CHECKED - MJE	REVISED -
	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
MCCORMICK PLACE 24TH STREET PARKING LOT**
SCALE: 1" = 20' SHEET NO. 9 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	207
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				



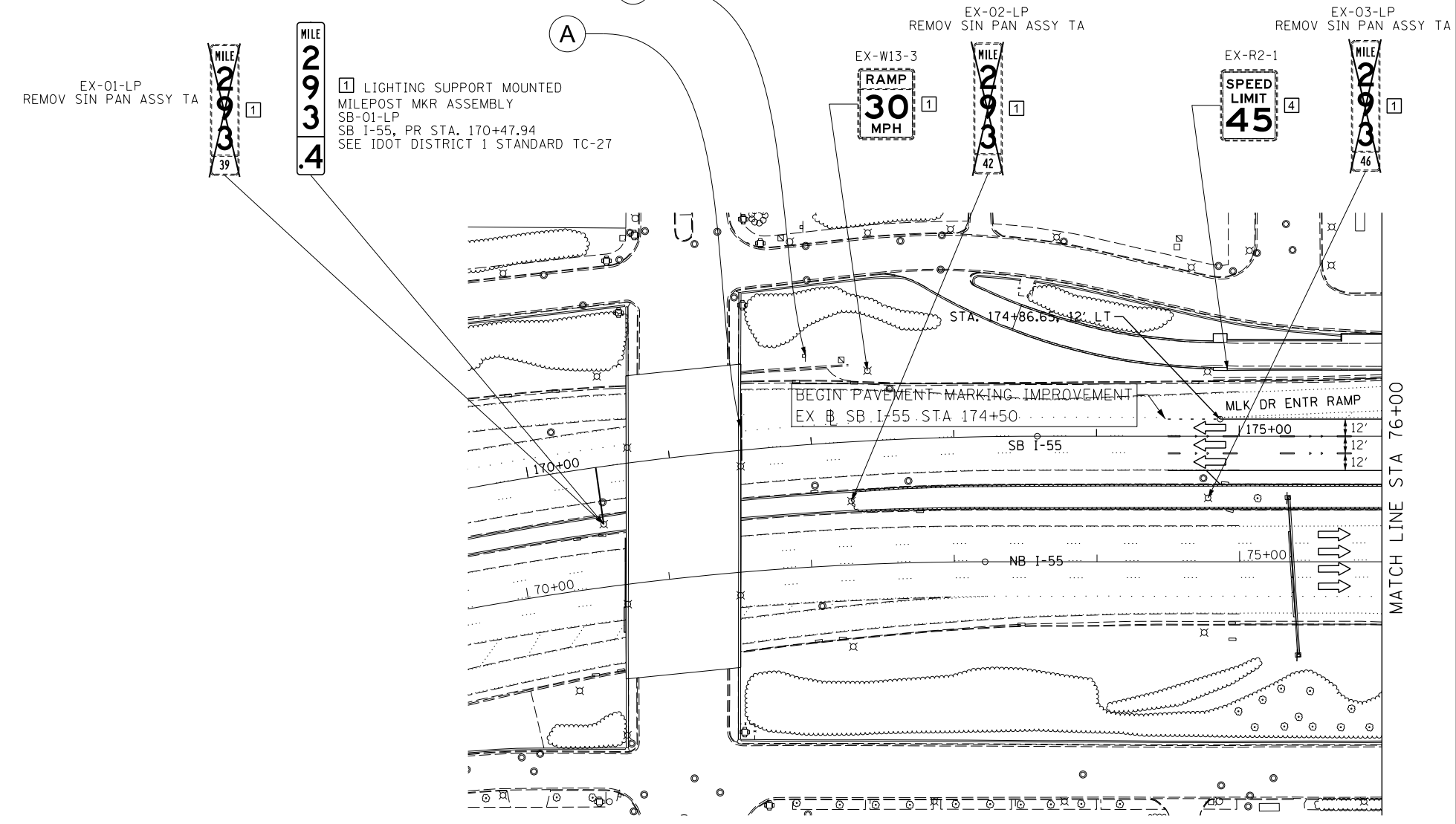
LEGEND

- 1 LIGHTING SUPPORT MOUNTED
- 2 POST MOUNTED ON STRUCTURE
- 3 SIGN TRUSS SUPPORT MOUNTED
- 4 BRIDGE PIER MOUNTED
- 5 ACCESS CONTROL FENCE MOUNTED
- XX OVERHEAD SIGN PANEL LOCATION
- X SIGN TO BE REMOVED AND REPLACED

SIGN NUMBERING CODE

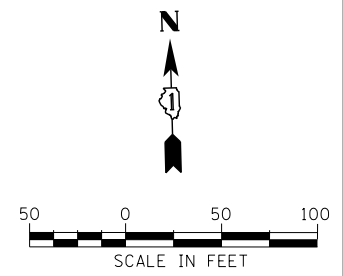
EXAMPLE

DIRECTION OF TRAFFIC	SB-01-LP	MOUNTING TYPE
SB - SOUTHBOUND I-55	SIGN PANEL NUMBER	LP - LIGHT POLE BANDING
SW - RAMP SW		BM - BRIDGE MOUNTED
NW - RAMP NW		BP - BRIDGE PIER MOUNTED
BT - BUS TURNAROUND		GM - GROUND MOUNTED
BUS - BUSWAY		FM - FENCE MOUNTED
MLK - MARTIN LUTHER KING DRIVE		WP - WOOD POST
EX - EXISTING		MP - METAL POST
EXL - EXISTING LOCAL ROAD		OV - OVERHEAD
		PM - POST MOUNTED ON STRUCTURE
		ST - SIGN TRUSS MOUNTED
		TS - TELESCOPING STEEL SIGN SUPPORT



SIGNING NOTES

- SEE SIGN SCHEDULE FOR SIGN PANEL AND MOUNTING INFORMATION.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING SIGN INFORMATION FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL SIGNS SHALL BE DIRECTED BY THE ENGINEER.



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PLOT DATE = 11/19/2014	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
 SB I-55**

SCALE: 1" = 50' SHEET NO. 1 OF 9 SHEETS STA. 174+50 TO STA. 176+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	208
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

SB-04A-0V
SIGN PANEL T3

EXIT 293 C
State St
1/4 MILE

SB-04B-0V
SIGN PANEL T3

(C) EXISTING SIGN TRUSS TO REMAIN
PROPOSED SIGN SPAN TRUSS MOUNT
SB I-55, PR STA. 81+13.97
SEE SHEET 220 FOR SIGN PANEL DETAILS

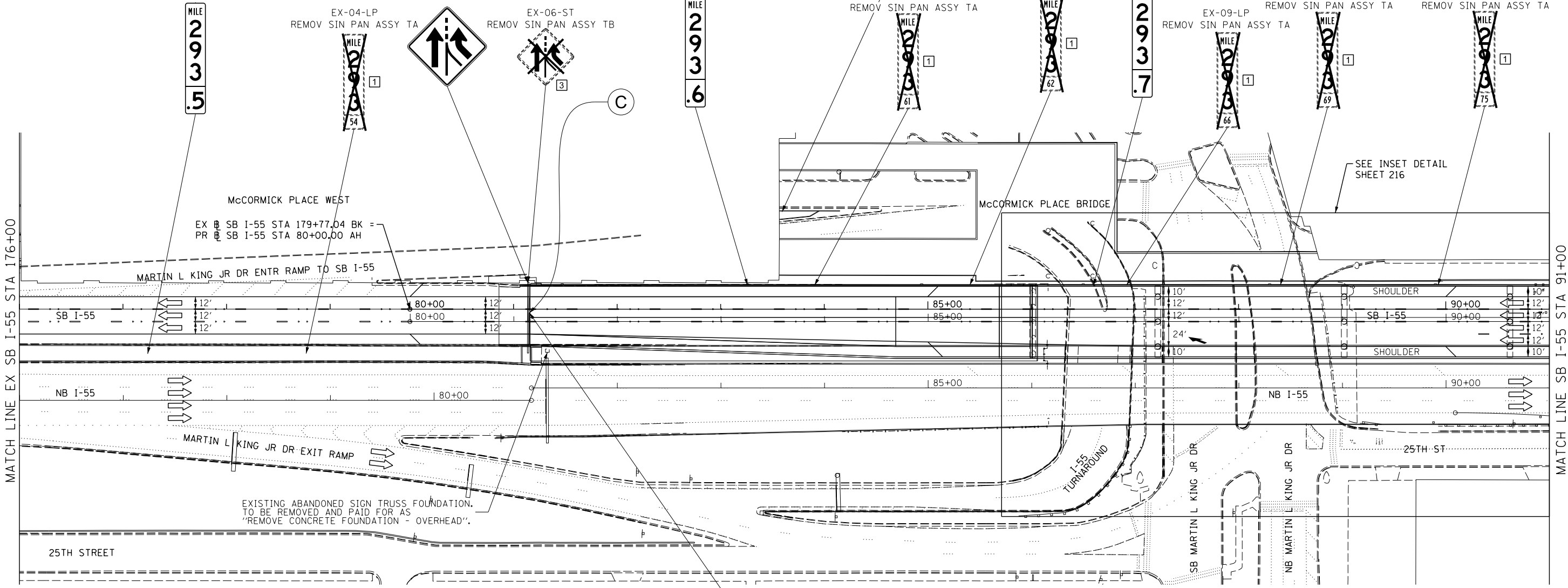
DMS DMS DMS
EXISTING DMS TO REMAIN

(1) LIGHTING SUPPORT MOUNTED
MILEPOST MKR ASSEMBLY
SB-02-LP
SB I-55, PR STA. 177+23.87
SEE IDOT DISTRICT 1 STANDARD TC-27

(3) SIGN TRUSS SUPPORT MOUNTED
SIGN PANEL T2
W4-3R, SB-03-ST
SB I-55, PR STA. 81+13.97
SEE IDOT DISTRICT 1 STANDARD TC-27

(1) LIGHTING SUPPORT MOUNTED
SB-05-LP
SB I-55, PR STA. 83+26.00

(1) LIGHTING SUPPORT MOUNTED
MILEPOST MKR ASSEMBLY
SB-06-LP
SB I-55, PR STA. 86+60.00
SEE IDOT DISTRICT 1 STANDARD TC-27



LEGEND

- (1) LIGHTING SUPPORT MOUNTED
- (2) POST MOUNTED ON STRUCTURE
- (3) SIGN TRUSS SUPPORT MOUNTED
- (4) BRIDGE PIER MOUNTED
- (5) ACCESS CONTROL FENCE MOUNTED
- (XX) OVERHEAD SIGN PANEL LOCATION
- (X) SIGN TO BE REMOVED AND REPLACED

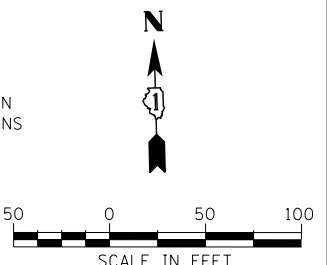
DMS DMS DMS
EXISTING DMS TO REMAIN

~~EXIT 293 C~~
~~State St~~
~~1/4 MILE~~
EX-05-0V
REMOV SIN PAN ASSY TB

(C) EXISTING SPAN TRUSS MOUNT
SB I-55, PR STA. 81+13.97

SIGNING NOTES

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
SB I-55

SCALE: 1" = 50' SHEET NO. 2 OF 9 SHEETS STA. 176+00 TO STA. 91+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	209
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

LEGEND

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- 2 POST MOUNTED ON STRUCTURE
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- 5 ACCESS CONTROL FENCE MOUNTED
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EXL-12-BM
COST OF REMOVAL INCLUDED IN CONTRACT UNIT PRICE FOR "REMOVAL OF STRUCTURES NO. 2"

1 LIGHTING SUPPORT MOUNTED
SIGN PANEL T1
R3-9cP, M1-1
SB-12-LP, STA 97+40.00
SB I-55
SB-13-LP, STA 398+00.00
RAMP-NW

2 PARAPET MOUNTED
SIGN PANEL T1
TELES STL SIN SUP SPL
W4-3L, SB-14-TS
SB I-55, PR STA. 96+91.12

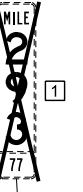
3 SIGN TRUSS SUPPORT MOUNTED
W4-2L, SB-08-ST
SB I-55, PR STA. 93+12.00

1 LIGHTING SUPPORT MOUNTED
SB-07-LP
SB I-55, PR STA. 93+45.00
SEE IDOT DISTRICT 1 STANDARD TC-27

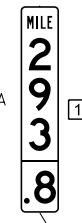
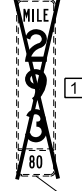
EX-17-PM, EX-18-PM
REMOV SIN PAN ASSY TB (2)

EX-16-LP
REMOV SIN PAN ASSY TA

EX-12-LP
REMOV SIN PAN ASSY TA



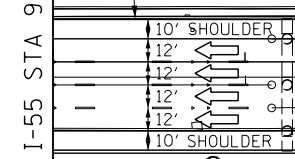
EX-13-LP
REMOV SIN PAN ASSY TA



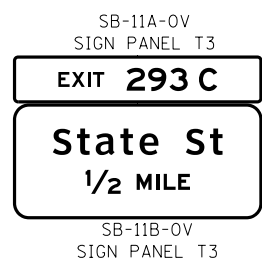
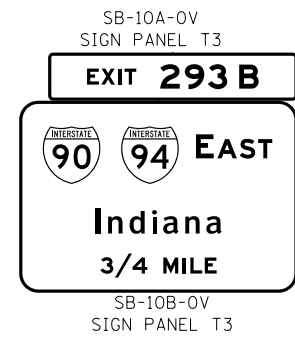
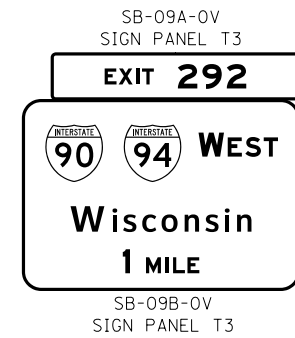
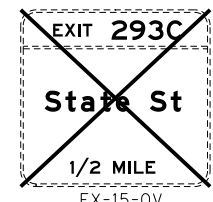
MATCH LINE SB I-55 STA 91+00

MATCH LINE
RAMP NW STA 99+68

MATCH LINE
RAMP NW STA 408+00



SEE INSET DETAIL SHEET 216

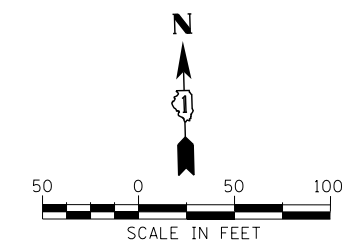


D1 REMOVE OVERHEAD SIGN STRUCTURE - SPAN REMOVE CONCRETE FOUNDATION - OVERHEAD SB I-55, PR STA. 93+38.50

D2 PROPOSED SPAN TRUSS MOUNT SB I-55, PR STA. 93+12.00 SEE SHEETS 220 - 223 FOR SIGN PANEL DETAILS

SIGNING NOTES

1. SEE SIGN SCHEDULE FOR SIGN PANEL AND MOUNTING INFORMATION.
2. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING SIGN INFORMATION FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL SIGNS SHALL BE DIRECTED BY THE ENGINEER.



FILE NAME = D:\60L70-Sht-Sign-03.dgn



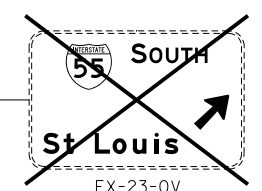
USER NAME = augeungh	DESIGNED - CRH	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - HAY	REVISED -
PLOT DATE = 11/19/2014	CHECKED - MJE	REVISED -
	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
RAMP NW**

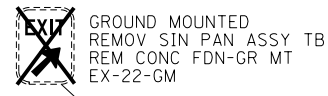
SCALE: 1" = 50' SHEET NO. 3 OF 9 SHEETS STA. 91+00 TO STA. 408+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	210
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

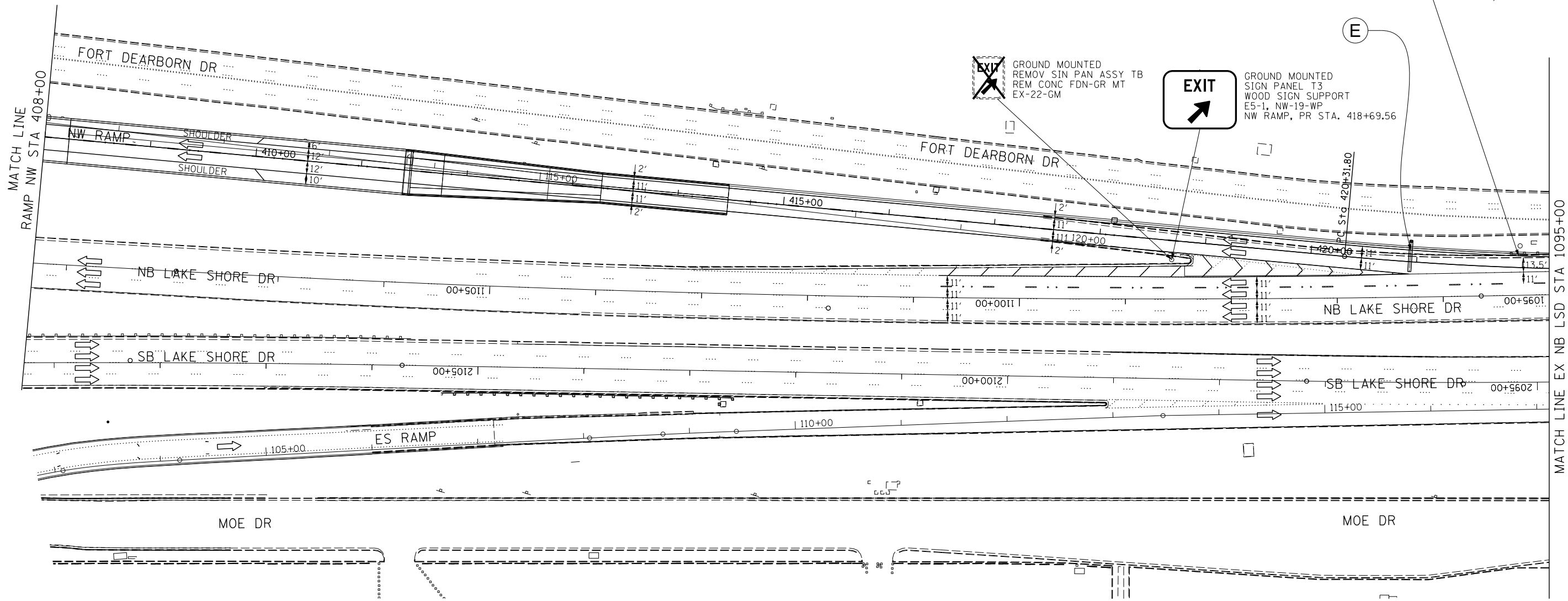


(E) CANTILEVER TRUSS MOUNTED
NW RAMP, PR STA. 420+93.74
SEE SHEET 224 FOR SIGN PANEL DETAILS

REMOVE OVERHEAD SIGN
STRUCTURE - CANTILEVER
REMOVE CONCRETE
FOUNDATION - OVERHEAD
NW RAMP, EX STA. 421+96.20



GROUND MOUNTED
SIGN PANEL T3
WOOD SIGN SUPPORT
E5-1, NW-19-WP
NW RAMP, PR STA. 418+69.56

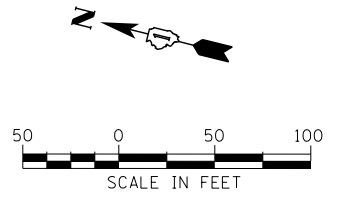


LEGEND

- 1 LIGHTING SUPPORT MOUNTED
- 2 POST MOUNTED ON STRUCTURE
- 3 SIGN TRUSS SUPPORT MOUNTED
- 4 BRIDGE PIER MOUNTED
- 5 ACCESS CONTROL FENCE MOUNTED
- XX OVERHEAD SIGN PANEL LOCATION
- X SIGN TO BE REMOVED AND REPLACED

SIGNING NOTES

1. SEE SIGN SCHEDULE FOR SIGN PANEL AND MOUNTING INFORMATION.
2. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING SIGN INFORMATION FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL SIGNS SHALL BE DIRECTED BY THE ENGINEER.



FILE NAME = D:\60L70-Sht-Sign-04.dgn



USER NAME = augeungh	DESIGNED - CRH	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - HAY	REVISED -
PLOT DATE = 11/19/2014	CHECKED - MJE	REVISED -
	DATE - 11/14/2014	REVISED -

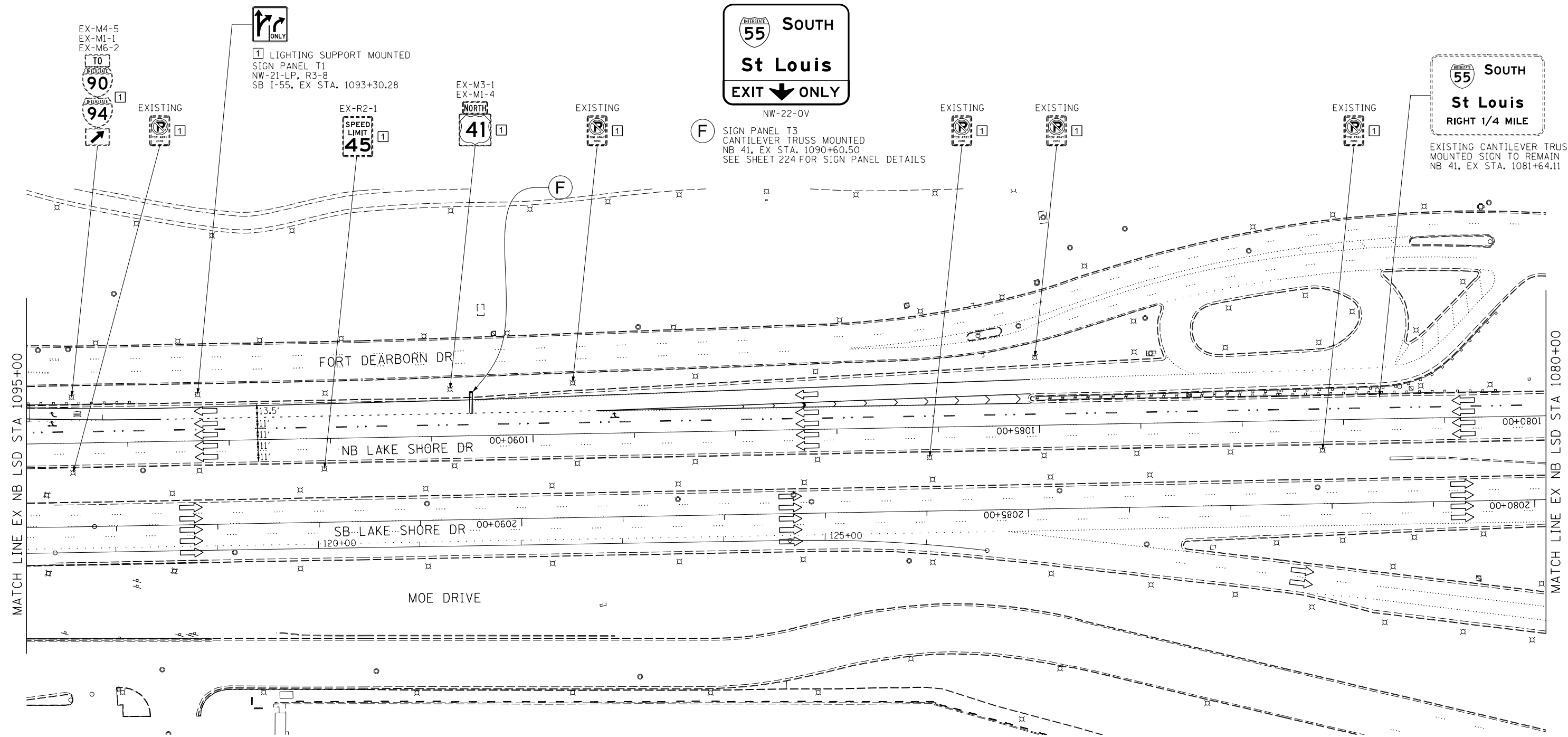
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
RAMP NW**

SCALE: 1" = 50' SHEET NO. 4 OF 9 SHEETS STA. 408+00 TO STA. 1095+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	211
CONTRACT NO. 60L70				

ILLINOIS FED. AID PROJECT



LEGEND

- 1 LIGHTING SUPPORT MOUNTED
- 2 POST MOUNTED ON STRUCTURE
- 3 SIGN TRUSS SUPPORT MOUNTED
- 4 BRIDGE PIER MOUNTED
- 5 ACCESS CONTROL FENCE MOUNTED
- XX OVERHEAD SIGN PANEL LOCATION
- X SIGN TO BE REMOVED AND REPLACED

SIGNING NOTES

1. SEE SIGN SCHEDULE FOR SIGN PANEL AND MOUNTING INFORMATION.
2. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING SIGN INFORMATION FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL SIGNS SHALL BE DIRECTED BY THE ENGINEER.

FILE NAME = D:\60L70-Sht-Sign-05.dgn

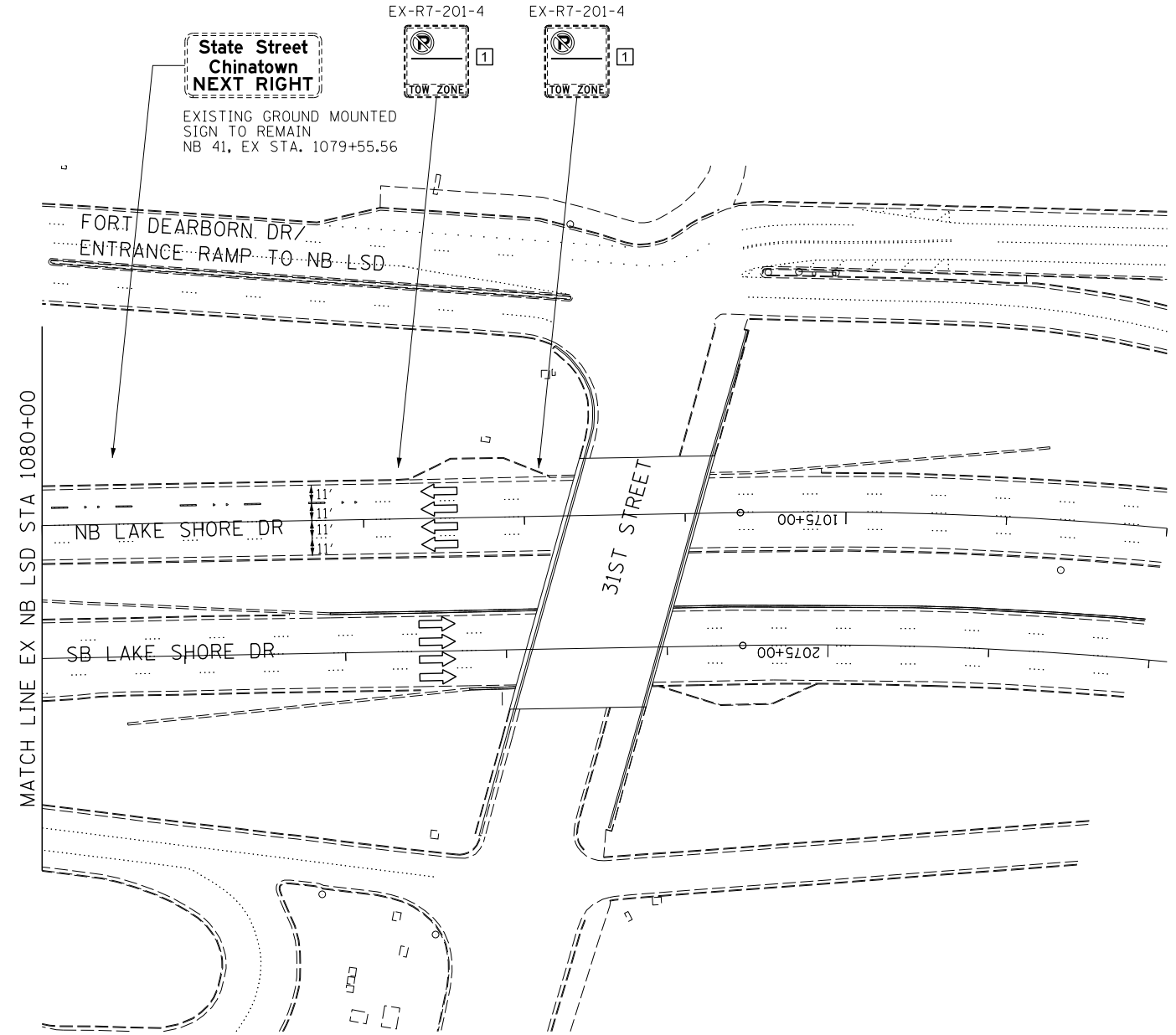


USER NAME = augeungh	DESIGNED - CRH	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - HAY	REVISED -
PLOT DATE = 11/19/2014	CHECKED - MJE	REVISED -
	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING PLAN		
RAMP NW & NB LAKE SHORE DRIVE		
SCALE: 1" = 50'	SHEET NO. 5 OF 9 SHEETS	STA. 1095+00 TO STA. 1080+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	212
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

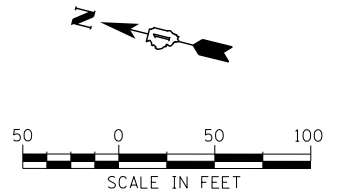


LEGEND

- 1 LIGHTING SUPPORT MOUNTED
- 2 POST MOUNTED ON STRUCTURE
- 3 SIGN TRUSS SUPPORT MOUNTED
- 4 BRIDGE PIER MOUNTED
- 5 ACCESS CONTROL FENCE MOUNTED
- XX OVERHEAD SIGN PANEL LOCATION
- X SIGN TO BE REMOVED AND REPLACED

SIGNING NOTES

1. SEE SIGN SCHEDULE FOR SIGN PANEL AND MOUNTING INFORMATION.
2. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING SIGN INFORMATION FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL SIGNS SHALL BE DIRECTED BY THE ENGINEER.



FILE NAME = D:\60L70-Sht-Sign-06.dgn

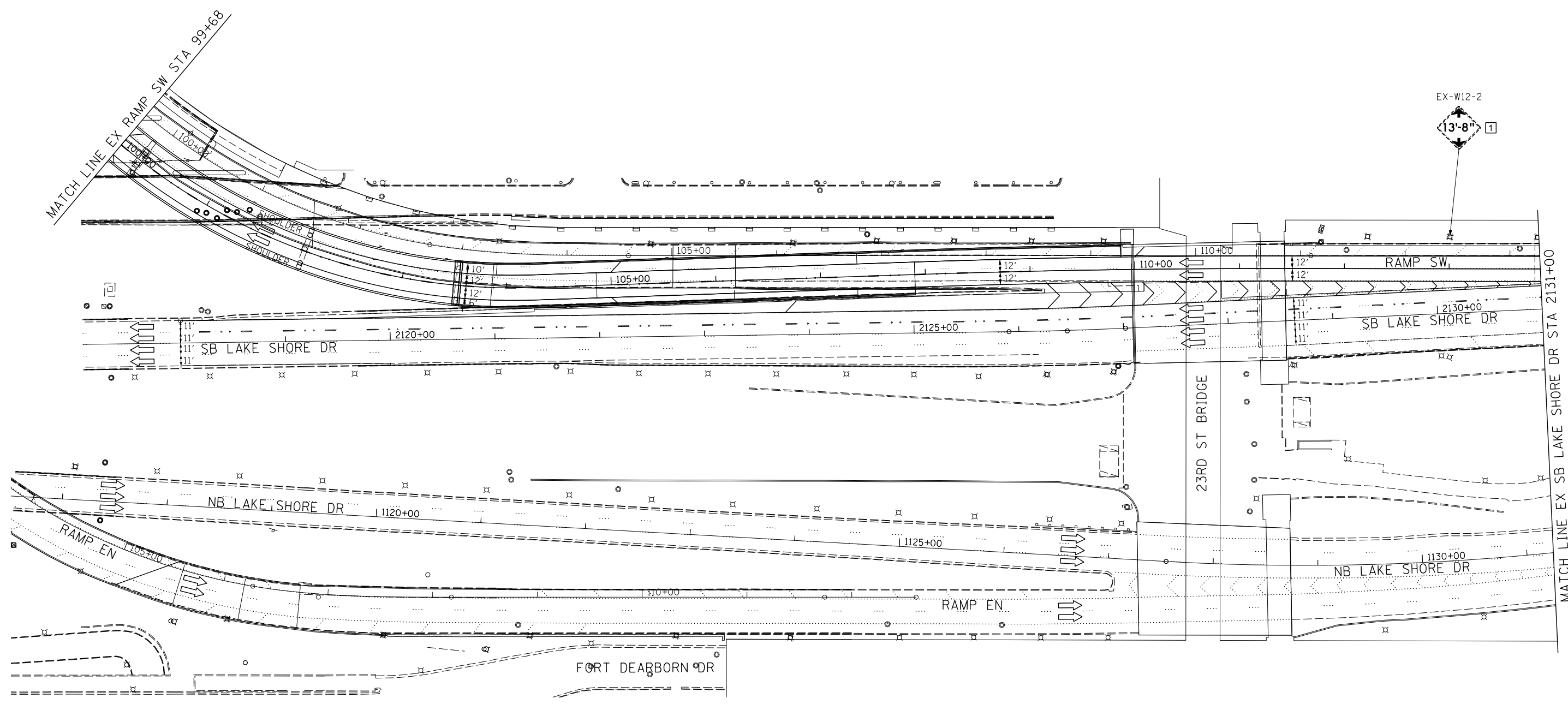


USER NAME = augeungh	DESIGNED - CRH	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - HAY	REVISED -
PLOT DATE = 11/19/2014	CHECKED - MJE	REVISED -
	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING PLAN NB LAKE SHORE DRIVE			
SCALE: 1" = 50'	SHEET NO. 6 OF 9 SHEETS	STA. 1080+00 TO STA. 1073+00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	213
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

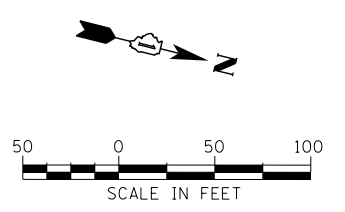


LEGEND

- 1 LIGHTING SUPPORT MOUNTED
- 2 POST MOUNTED ON STRUCTURE
- 3 SIGN TRUSS SUPPORT MOUNTED
- 4 BRIDGE PIER MOUNTED
- 5 ACCESS CONTROL FENCE MOUNTED
- XX OVERHEAD SIGN PANEL LOCATION
- X SIGN TO BE REMOVED AND REPLACED

SIGNING NOTES

1. SEE SIGN SCHEDULE FOR SIGN PANEL AND MOUNTING INFORMATION.
2. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING SIGN INFORMATION FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL SIGNS SHALL BE DIRECTED BY THE ENGINEER.



FILE NAME = D:\60L70-Sht-Sign-07.dgn



USER NAME = augeungh	DESIGNED - CRH	REVISED -
	DRAWN - HAY	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 11/19/2014	DATE - 11/14/2014	REVISED -

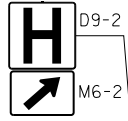
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
RAMP SW**

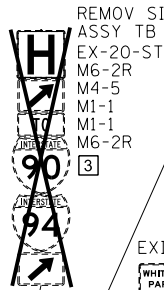
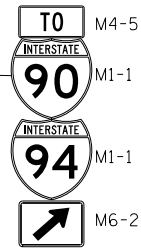
SCALE: 1" = 50' SHEET NO. 7 OF 9 SHEETS STA. 99+68 TO STA. 2131+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	214
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

1 LIGHTING SUPPORT MOUNTED
SIGN PANEL T1 (2)
SW-15-LP
RAMP SW I-55, EX STA. 113+95.40



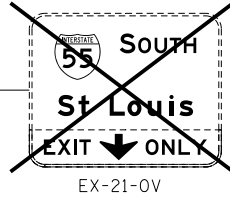
3 SIGN TRUSS SUPPORT MOUNTED
SIGN PANEL T1 (4)
SW-15-ST
RAMP SW I-55, EX STA. 114+08.68



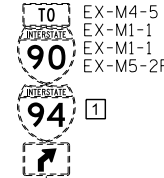
REMOVE SIGN PAN
ASSY TB
EX-20-ST
M6-2R
M4-5
M1-1
M1-1
M6-2R



REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER
REMOVE CONCRETE FOUNDATION - OVERHEAD
SB I-55, EX STA. 115+07.50



SIGN PANEL T1
METAL POST TY B
SW-17-MP, R3-8
RAMP SW I-55, EX STA. 118+45.13



EX-M4-5
EX-M1-1
EX-M1-1
EX-M5-2R



SW-16-OV
SIGN PANEL T3
CANTILEVER TRUSS MOUNTED
SB I-55, EX STA. 114+08.68
SEE SHEET 223 FOR SIGN PANEL DETAILS



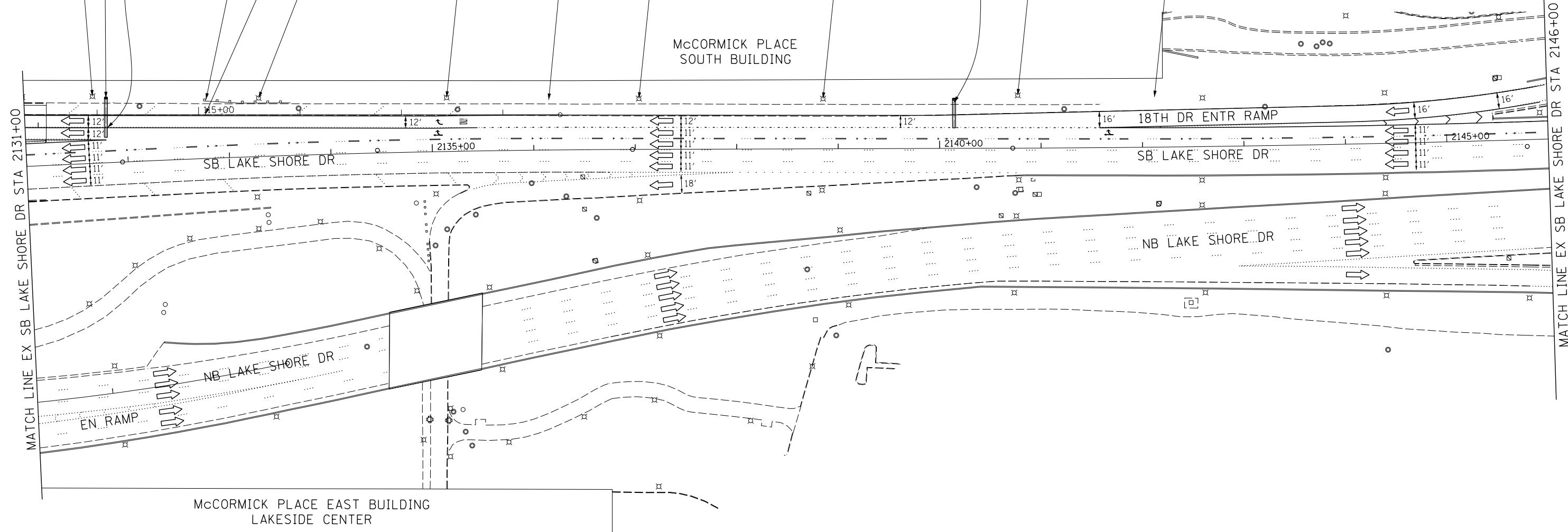
SW-18-OV
SIGN PANEL T3
CANTILEVER TRUSS MOUNTED
SB I-55, EX STA. 2140+14.33
SEE SHEET 224 FOR SIGN PANEL DETAILS



EX-R2-1



EXISTING GROUND MOUNTED
SIGN TO REMAIN
SB I-55, PR STA. 2142+12.24

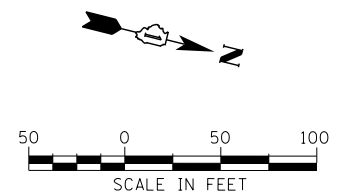


LEGEND

- 1 LIGHTING SUPPORT MOUNTED
- 2 POST MOUNTED ON STRUCTURE
- 3 SIGN TRUSS SUPPORT MOUNTED
- 4 BRIDGE PIER MOUNTED
- 5 ACCESS CONTROL FENCE MOUNTED
- xx OVERHEAD SIGN PANEL LOCATION
- X SIGN TO BE REMOVED AND REPLACED

SIGNING NOTES

1. SEE SIGN SCHEDULE FOR SIGN PANEL AND MOUNTING INFORMATION.
2. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING SIGN INFORMATION FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL SIGNS SHALL BE DIRECTED BY THE ENGINEER.



FILE NAME = D:\6070-Sht-Sign-08.dgn

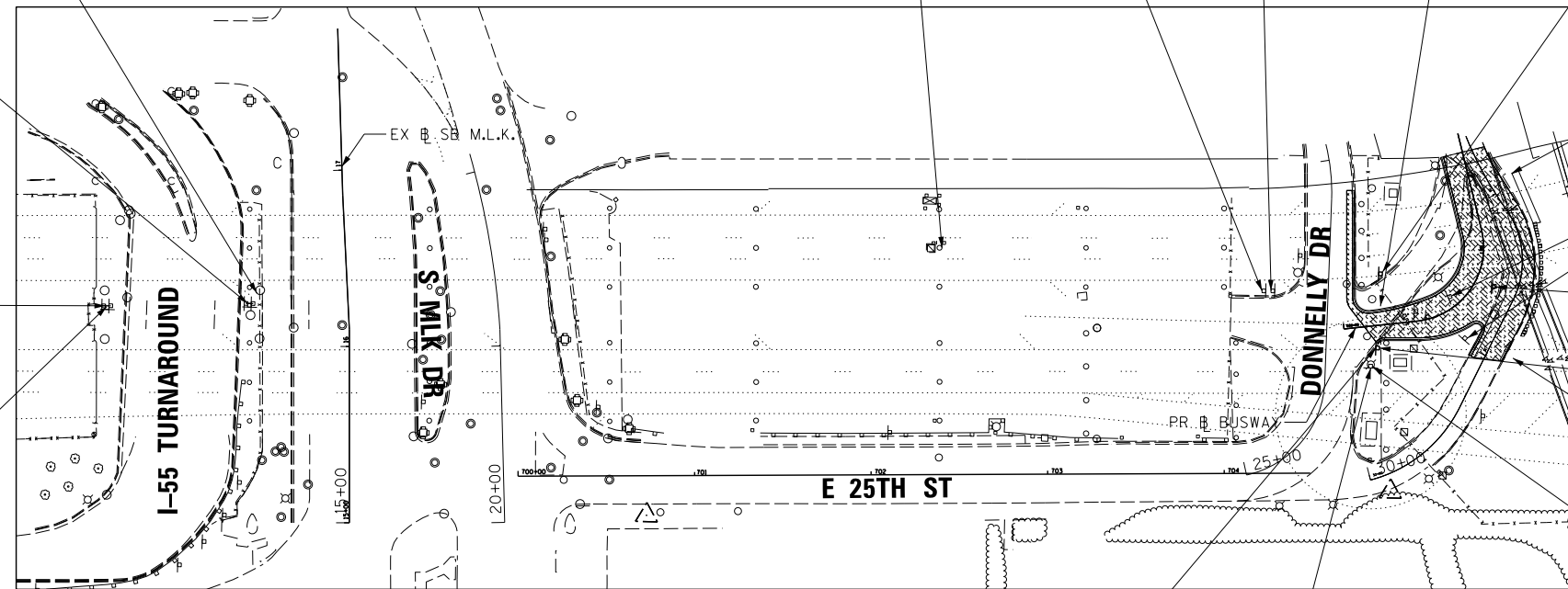


USER NAME = augeungh	DESIGNED - CRH	REVISED -
	DRAWN - HAY	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 11/19/2014	DATE - 11/14/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN	
RAMP SW & SB LAKE SHORE DRIVE	
SCALE: 1" = 50'	SHEET NO. 8 OF 9 SHEETS STA. 2131+00 TO STA. 2146+00

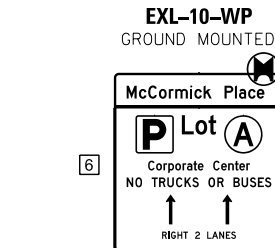
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	215
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				



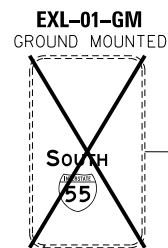
INSET DETAIL
SIGNING BELOW NB & SB I-55

SIGNING NOTES

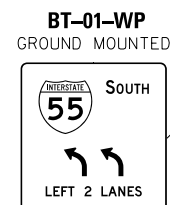
1. SEE SIGN SCHEDULE FOR SIGN PANEL AND MOUNTING INFORMATION.
2. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING SIGN INFORMATION FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL SIGNS SHALL BE DIRECTED BY THE ENGINEER.
3. REMOVAL OF ANY GROUND MOUNTED CONCRETE FOUNDATIONS ENCOUNTERED ALONG MARTIN LUTHER KING DRIVE WILL BE INCLUDED IN THE COST OF THE REMOVAL ITEM DETAILED IN THE PLANS.
4. ALL PROPOSED WOOD SIGN SUPPORTS SHALL BE INSTALLED ACCORDING TO 730.04 OF THE IDOT STANDARD SPECIFICATION. IF THE PROPOSED SIGN SUPPORT IS INSTALLED INTO PAVEMENT, CONCRETE MEDIAN SURFACE, OR SIDEWALK, THE CONTRACTOR SHALL CAP THE CA-6 BACKFILL WITH MATERIAL MATCHING THE PROPOSED SURFACE AND THICKNESS AT THAT LOCATION. COST OF CAPPING SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "WOOD SIGN SUPPORT".



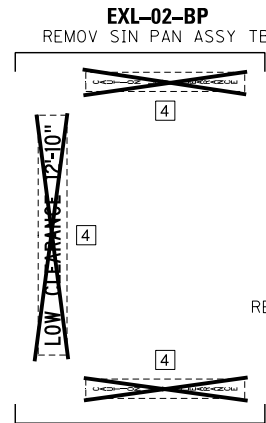
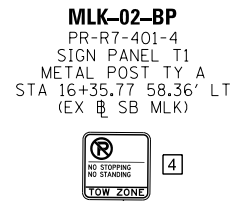
REMOVE AND RELOCATE SIGN PANEL TO STA 16+27.11 55.74' LT (EX SB MLK)
REM SIN PAN ASSY TB
RELOC SIGN PANEL T3
WOOD SIGN SUPPORT



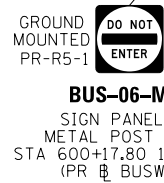
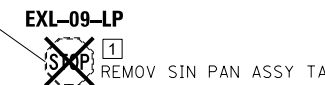
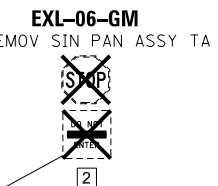
REMOV SIN PAN ASSY TB
GROUND MOUNTED



SIGN PANEL T3
WOOD SIGN SUPPORT
SEE SHEET 225 FOR SIGN PANEL DETAILS
STA 16+29.76 136.31' LT
(EX SB MLK)



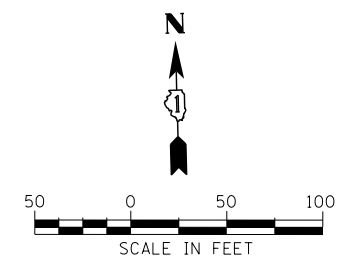
GROUND MOUNTED
STA 600+22.09 10.97' RT
(PR BUSWAY)



LEGEND

- 1 LIGHTING SUPPORT MOUNTED
- 2 POST MOUNTED ON STRUCTURE
- 3 SIGN TRUSS SUPPORT MOUNTED
- 4 BRIDGE PIER MOUNTED
- 5 ACCESS CONTROL FENCE MOUNTED
- 6 EXISTING SIGN TO BE GROUND MOUNTED ONTO NEW POSTS

- ## OVERHEAD SIGN PANEL LOCATION
- X SIGN TO BE REMOVED AND REPLACED



FILE NAME = D:\60L70-Sht-Sign-09.dgn



USER NAME = augeungh	DESIGNED - CRH	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - HAY	REVISED -
PLOT DATE = 11/19/2014	CHECKED - MJE	REVISED -
	DATE - 11/14/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
MARTIN LUTHER KING JR DRIVE

SCALE: 1" = 50' SHEET NO. 9 OF 9 SHEETS STA. 2131+00 TO STA. 2146+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	216
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

EXISTING SIGN SCHEDULE

LOCATION	SIGN NO.	LEGEND / DESCRIPTION	CODE	ACTION	BASELINE	LOCATION (STATION / OFFSET)		EXISTING PANEL DIMENSIONS		REMOVE SIGN PANEL ASSEMBLY - TYPE A	REMOVE SIGN PANEL ASSEMBLY - TYPE B	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	REMOVE CONCRETE FOUNDATION - OVERHEAD		
						WIDTH (FT)	HEIGHT (FT)	WIDTH (FT)	HEIGHT (FT)								
SB I-55	EX-01-LP	MILE 293 39	D10-3a	REMOVE EXISTING SIGN PANEL ASSEMBLY	EX-55SB	170+47.94	RT	1.00	4.50	1.00							
	EX-02-LP	MILE 293 42	D10-3a	REMOVE EXISTING SIGN PANEL ASSEMBLY	EX-55SB	172+25.60	RT	1.00	4.50	1.00							
	EX-03-LP	MILE 293 46	D10-3a	REMOVE EXISTING SIGN PANEL ASSEMBLY	EX-55SB	174+78.17	RT	1.00	4.50	1.00							
	EX-04-LP	MILE 293 54	D10-3a	REMOVE EXISTING SIGN PANEL ASSEMBLY	EX-55SB	178+76.80	RT	1.00	4.50	1.00							
	EX-05-OV	EXIT 293C			REMOVE EXISTING SIGN PANEL ASSEMBLY	PR-55SB	81+13.97	OVERHEAD	12.33	7.33		1.00					
		STATE ST															
		1/4 MILE															
	EX-06-ST	ADDED LANE		W4-3R	REMOVE EXISTING SIGN PANEL ASSEMBLY	PR-55SB	81+13.97	LT	4.00	4.00		1.00					
	--	EXISTING SIGN FOUNDATION			REMOVE ABANDONED SIGN TRUSS FOUNDATION	PR-55SB	81+32.69	RT	--	--							1.00
	EX-07-LP	MILE 293 61		D10-3a	REMOVE EXISTING SIGN PANEL ASSEMBLY	PR-55SB	83+90.69	LT	1.00	4.50	1.00						
	EX-08-LP	MILE 293 62		D10-3a	REMOVE EXISTING SIGN PANEL ASSEMBLY	PR-55SB	85+40.57	LT	1.00	4.50	1.00						
	EX-09-LP	MILE 293 66		D10-3a	REMOVE EXISTING SIGN PANEL ASSEMBLY	PR-55SB	86+91.83	LT	1.00	4.50	1.00						
	EX-10-LP	MILE 293 69		D10-3a	REMOVE EXISTING SIGN PANEL ASSEMBLY	PR-55SB	88+40.32	LT	1.00	4.50	1.00						
	EX-11-LP	MILE 293 75		D10-3a	REMOVE EXISTING SIGN PANEL ASSEMBLY	PR-55SB	89+92.67	LT	1.00	4.50	1.00						
	EX-12-LP	MILE 293 77		D10-3a	REMOVE EXISTING SIGN PANEL ASSEMBLY	PR-55SB	91+42.76	LT	1.00	4.50	1.00						
	EX-13-LP	MILE 293 80		D10-3a	REMOVE EXISTING SIGN PANEL ASSEMBLY	PR-55SB	92+90.28	LT	1.00	4.50	1.00						
	EX-14-OV	I-90/94			REMOVE EXISTING SIGN PANEL ASSEMBLY AND OVERHEAD SIGN STRUCTURE - SPAN AND CONCRETE FOUNDATIONS	PR-55SB	93+38.50	OVERHEAD	12.33	11.50			1.00				2.00
		WISCONSIN															
		INDIANA															
	EX-15-OV	3/4 MILE															
EXIT 293C																	
STATE ST																	
EX-16-LP	1/2 MILE																
	MILE 293 80																
EX-17-PM	I-55			REMOVE EXISTING SIGN PANEL ASSEMBLY	PR-55SB	94+62.65	RT	4.00	5.50		1.00						
	BEGIN																
EX-18-PM	I-55			REMOVE EXISTING SIGN PANEL ASSEMBLY	PR-55SB	94+57.68	LT	4.00	5.50		1.00						
	BEGIN																
EX-19-LP	ADDED LANE		W4-3L	REMOVE EXISTING SIGN PANEL ASSEMBLY	PR-55SB	97+71.92	RT	4.00	4.00		1.00						
EX-20-ST	H		D9-2	REMOVE EXISTING SIGN PANEL ASSEMBLY	PR-55SB	114+61.41	LT	2.50	2.50	1.00							
	45 DEGREE ARROW		M6-2 (INTERSTATE)					2.50	1.78								
	TO		M4-5 (INTERSTATE)					2.50	1.20								
	I-90		M1-1					3.00	3.00								
	I-94		M1-1					3.00	3.00								
	45 DEGREE ARROW		M6-2 (INTERSTATE)					2.50	1.78								
EX-21-OV	I-55 SOUTH			REMOVE EXISTING SIGN PANEL AND OVERHEAD SIGN STRUCTURE - CANTILEVER	PR-55SB	115+07.50	LT	12.50	10.00				1.00			1.00	
	ST LOUIS																
	EXIT ONLY (DOWN ARROW)																
RAMP NW (NB LAKE SHORE DRIVE)	EXIT			REMOVE EXISTING SIGN PANEL ASSEMBLY AND FOUNDATION	PR-RAMP-NW	418+69.56	RT	3.00	4.00		1.00					1.00	
	45 DEGREE ARROW																
EX-23-OV	I-55 SOUTH			REMOVE EXISTING SIGN PANEL AND OVERHEAD SIGN STRUCTURE - CANTILEVER AND FOUNDATION	PR-RAMP-NW	421+96.20	LT	14.00	9.00				1.00			1.00	
	ST LOUIS (45 DEGREE ARROW)																
ROUNDED TOTAL										12.0	7.0	1.0	2.0	1.0	5.0		

FILE NAME = D:\06\78-Sht-Sign-Schedule-01.dgn



USER NAME = augeungh	DESIGNED - NSA	REVISED -
	DRAWN - NSA	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 11/19/2014	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN SCHEDULE

SCALE: 1" = 50' SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	217
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

PROPOSED SIGN SCHEDULE

LOCATION	SIGN NO.	LEGEND / DESCRIPTION	CODE	ACTION	BASELINE	LOCATION (STATION / OFFSET)	PROPOSED PANEL DIMENSIONS		SIGN PANEL TYPE 1	SIGN PANEL TYPE 2	SIGN PANEL TYPE 3	MILE POST MARKER ASSEMBLY	WOOD SIGN SUPPORT	METAL POST - TYPE B	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)
							WIDTH (FT)	HEIGHT (FT)							
SB I-55	SB-01-LP	MILE 293 .4	D10-3a	INSTALL NEW SIGN ON LIGHTING SUPPORT	EX-55SB	170+47.94 RT	1.00	4.00				1.0			
	SB-02-LP	MILE 293 .5	D10-3a	INSTALL NEW SIGN ON LIGHTING SUPPORT	EX-55SB	177+23.87 RT	1.00	4.00				1.0			
	SB-03-ST	ADDED LANE	W4-3R	INSTALL NEW SIGN ON SIGN TRUSS SUPPORT	PR-55SB	81+13.97 LT	4.00	4.00		16					
	SB-04A-OV	EXIT 293C		INSTALL NEW SIGN ASSEMBLY ON EXISTING OVERHEAD STRUCTURE	PR-55SB	81+13.97 OVERHEAD	13.00	2.50			32.5				
	SB-04B-OV	STATE ST 1/4 MILE					13.00	6.00			78				
	SB-05-LP	MILE 293 .6	D10-3a	INSTALL NEW SIGN ON LIGHTING SUPPORT	PR-55SB	83+26.00 LT	1.00	4.00				1.0			
	SB-06-LP	MILE 293 .7	D10-3a	INSTALL NEW SIGN ON LIGHTING SUPPORT	PR-55SB	86+60.00 LT	1.00	4.00				1.0			
	SB-07-LP	MILE 293 .8	D10-3a	INSTALL NEW SIGN ON LIGHTING SUPPORT	PR-55SB	93+45.00 LT	1.00	4.00				1.0			
	SB-08-ST	LANE ENDS	W4-2L	INSTALL NEW SIGN ON SIGN TRUSS SUPPORT	PR-55SB	93+12.00 RT	4.00	4.00		16					
	SB-09A-OV	EXIT 292		*INSTALL NEW SIGN ASSEMBLY ON OVERHEAD STRUCTURE	PR-55SB	93+12.00 OVERHEAD	13.00	2.50			32.5				
		90/94 WEST					14.50	10.00			145				
		WISCONSIN 1 MILE					13.00	2.50			32.5				
	SB-10A-OV	EXIT 293B		*INSTALL NEW SIGN ASSEMBLY ON OVERHEAD STRUCTURE	PR-55SB	93+12.00 OVERHEAD	14.50	10.00			145				
	90/94 EAST		13.00				2.50			32.5					
	INDIANA 3/4 MILE		14.50				10.00			145					
	SB-11A-OV	EXIT 293C		*INSTALL NEW SIGN ASSEMBLY ON OVERHEAD STRUCTURE	PR-55SB	93+12.00 OVERHEAD	13.00	2.50			32.5				
	SB-11B-OV	STATE ST 1/2 MILE					13.00	6.00			78				
	SB-12-LP	BEGIN	R3-9cP	INSTALL NEW SIGN PANEL ASSEMBLY ON LIGHTING SUPPORT	PR-55SB	97+40.00 LT	2.50	1.00	2.5						
		I-55	M1-1				3.00	3.00	9						
	SB-13-LP	BEGIN	R3-9cP	INSTALL NEW SIGN PANEL ASSEMBLY ON LIGHTING SUPPORT	PR-RAMP-NW	398+00.00 LT	2.50	1.00	2.5						
I-55		M1-1	3.00				3.00	9							
SB-14-TS	ADDED LANE	W4-3L	INSTALL NEW SIGN ON TELESCOPING STEEL SIGN SUPPORT	PR-55SB	96+91.12 RT	3.00	3.00	9						12.0	
SW-15-LP	H	D9-2	INSTALL NEW SIGN PANEL ASSEMBLY ON LIGHTING SUPPORT	PR-55SB	113+95.40 LT	2.50	2.50	6.25							
	45 DEGREE ARROW	M6-2 (INTERSTATE)				1.75	1.25	2.19							
SW-15-ST	TO	M4-5 (INTERSTATE)	INSTALL NEW SIGN PANEL ASSEMBLY ON SIGN TRUSS SUPPORT	PR-55SB	114+08.68 LT	2.50	1.25	3.13							
	90	M1-1				3.00	3.00	9.00							
	94	M1-1				3.00	3.00	9.00							
	45 DEGREE ARROW	M6-2 (INTERSTATE)				1.75	1.25	2.19							
SW-16-OV	I-55 SOUTH		*INSTALL NEW SIGN ON CANTILEVER TRUSS	EX-RAMP-SW	114+08.68 LT	18.50	11.50			212.75					
	ST LOUIS														
SW-17-MP	ADVANCE INTERSECTION LANE CONTROL	R3-8	INSTALL NEW SIGN ON METAL SUPPORT	EX-RAMP-SW	118+45.13 LT	2.50	2.50	6.25					13.5		
SW-18-OV	I-55 SOUTH		*INSTALL NEW SIGN ON CANTILEVER TRUSS	EX-LSD-SB	2140+14.33 LT	14.50	11.50			166.75					
	ST LOUIS														
NW-19-WP	EXIT		INSTALL NEW SIGN PANEL AND POST	PR-RAMP-NW	418+69.56 RT	6.00	5.00			30		34.0			
	45 DEGREE ARROW	E5-1													
	I-55 SOUTH														
NW-20-OV	ST LOUIS		*INSTALL NEW SIGN ON CANTILEVER TRUSS	PR-RAMP-NW	420+93.74 LT	18.50	11.50			212.75					
	EXIT ONLY (45 DEGREE ARROWS)														
NW-21-LP	ADVANCE INTERSECTION LANE CONTROL	R3-8	INSTALL NEW SIGN ON LIGHTING SUPPORT	EX-LSD-NB	1093+30.28 RT	2.50	2.50	6.25							
NW-22-OV	I-55 SOUTH		*INSTALL NEW SIGN ON CANTILEVER TRUSS	EX-LSD-NB	1090+60.50 RT	14.50	11.50			166.75					
	ST LOUIS														
						ROUNDED TOTAL		76.5	32.0	1365.0	5.0	34.0	14.0	12.0	

* SEE STRUCTURAL BILL OF MATERIALS FOR QUANTITIES RELATING TO PROPOSED OVERHEAD SIGN STRUCTURES

FILE NAME = D:\6\78-Sht-Sign-Schedule-02.dgn



USER NAME = augeungh
 PLOT SCALE = 50.0000' / in.
 PLOT DATE = 11/19/2014

DESIGNED - NSA
 DRAWN - NSA
 CHECKED - MJE
 DATE - 11/14/2014

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

SCALE: 1" = 50' SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	218
CONTRACT NO. 60L70			ILLINOIS FED. AID PROJECT	

SIGN SCHEDULE (LOCAL ROADS ONLY)

LOCATION	SIGN NO.	LEGEND / DESCRIPTION	CODE	ACTION	PANEL DIMENSIONS		REMOVE SIGN PANEL ASSEMBLY - TYPE A	REMOVE SIGN PANEL ASSEMBLY - TYPE B	SIGN PANEL - TYPE 1	SIGN PANEL TYPE 3	WOOD SIGN SUPPORT	METAL POST - TYPE A	METAL POST - TYPE B	RELOCATE SIGN PANEL - TYPE 3
					WIDTH	HEIGHT								
					(FT)	(FT)								
MLK DRIVE, 25TH STREET, DONNELLY DRIVE	BT-01-WP	55 SOUTH		INSTALL NEW SIGN PANEL AND SUPPORT	5.50	5.50				30.25	35			
		TWO LEFT ARROWS LEFT TWO LANES												
	EXL-01-GM	SOUTH 55		REMOVE SIGN PANEL ASSEMBLY	5.00	10.00		1.0						
		TWO LEFT ARROWS												
	MLK-02-MP	NO PARKING (SYMBOL)	R7-401-4	INSTALL NEW SIGN PANEL AND SUPPORT	1.50	1.50			2.3			12		
		NO STOPPING												
		NO STANDING												
	EXL-02-BP	CAUTION LOW CLEARANCE		REMOVE EXISTING SIGN PANEL ASSEMBLY	1.17	10.00								
		LOW CLEARANCE 12' - 10"			21.50	1.75								
		CAUTION LOW CLEARANCE			1.17	10.00								
	EXL-03-FM	CAUTION		REMOVE SIGN PANEL	3.00	3.00	1.0							
		LOW CLEARANCE AT BRIDGE PIERS												
	EXL-04-FM	AUTHORIZED		REMOVE SIGN PANEL	2.00	2.00	1.0							
		PARKING ONLY												
	BUS-03A-MP	DO NOT ENTER	R5-1	INSTALL NEW SIGN PANEL AND SUPPORT	2.50	2.50			6.3					13.5
	BUS-03B-MP	STOP	R1-1		2.50	2.50			6.3					13.5
	EXL-05-GM	DO NOT ENTER	R5-1	REMOVE SIGN PANEL ASSEMBLY	2.00	2.00	1.0							
		STOP	R1-1		2.00	2.00								
	EXL-06-GM	DO NOT ENTER	R5-1	REMOVE SIGN PANEL ASSEMBLY	2.00	2.00	1.0							
		STOP	R1-1		2.00	2.00								
EXL-07-LP	TWO WAY		REMOVE SIGN PANEL	3.00	4.00		1.0							
	TRAFFIC AHEAD													
EXL-08-GM	DO NOT ENTER	R5-1	REMOVE SIGN PANEL	2.00	2.00	1.0								
BUS-04-MP	TWO WAY	W6-3-2	INSTALL NEW SIGN PANEL AND SIGN SUPPORT	2.50	2.50			6.3					13.5	
	TRAFFIC AHEAD													
EXL-09-LP	STOP	R1-1	REMOVE SIGN PANEL	2.00	2.00	1.0								
BUS-05-LP	STOP	R1-1	INSTALL NEW SIGN PANEL ON LIGHTING SUPPORT	2.50	2.50			6.3						
BUS-06-MP	DO NOT ENTER	R5-1	INSTALL NEW SIGN PANEL AND SUPPORT	2.50	2.50			6.3					13.5	
EXL-10-WP	MCCORMICK PLACE		REMOVE AND REINSTALL SIGN PANEL ON NEW SIGN SUPPORTS	9.00	9.25		1.0			63.75			83.25	
	P LOT A													
	CORPORATE CENTER													
	NO TRUCK OR BUSES RIGHT TWO LANES													
EXL-11-WP	MCCORMICK PLACE		REMOVE AND REINSTALL SIGN PANEL ON NEW SIGN SUPPORTS	12.00	6.00		1.0			54			72	
	WELCOME TO MCCORMICK PLACE													
MOE DR.	EXL-12-BM	LOWER DOCKS, BUILDING SERVICES, UPPER DOCKS	REMOVE SIGN (COST INCLUDED IN REMOVAL OF STRUCTURES NO. 2)	19.25	2.50									
					ROUNDED TOTAL		6.0	5.0	33.5	30.5	153.0	12.0	54.0	155.5

NOTE: EXISTING SIGN PANEL SIZES ARE APPROXIMATED AND ARE TO BE VERIFIED IN THE FIELD.

FILE NAME = D:\06\78-Sht-Sign-Schedule-03.dgn



USER NAME = augeungh
 DESIGNED - NSA
 DRAWN - NSA
 CHECKED - MJE
 DATE - 11/14/2014

REVISOR -
 REVISION -
 REVISION -
 REVISION -

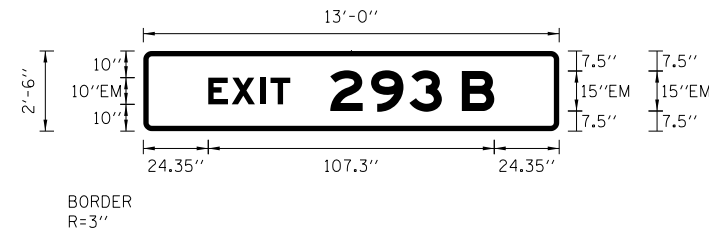
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

SCALE: 1" = 50' SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	219
CONTRACT NO. 60L70			ILLINOIS FED. AID PROJECT	

SIGN DETAIL
1:60



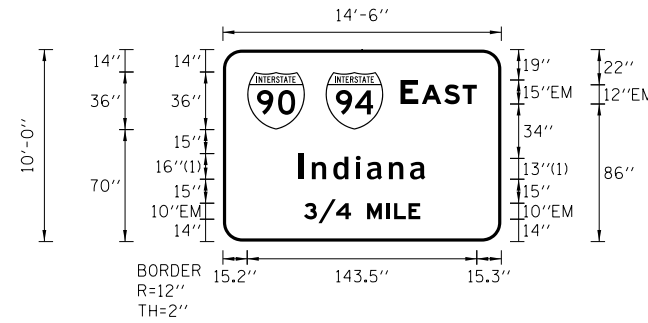
SIGN NUMBER	SB-10A-OV
WIDTH x HGHT.	13'-0" x 2'-6"
BORDER WIDTH	2"
CORNER RADIUS	3"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro-Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style:
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)							LENGTH	SERIESSIZE	
E	X	I	T	2	9	3	B	EM 2000	
24.4	33.2	44	47.8	70.2	85.5	99.8	119.5	107.3	10,15

SIGN DETAIL
1:100



SIGN NUMBER	SB-10B-OV
WIDTH x HGHT.	14'-6" x 10'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro-Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	360	15.2	70	36	36
M1_1	360	64.2	70	36	36

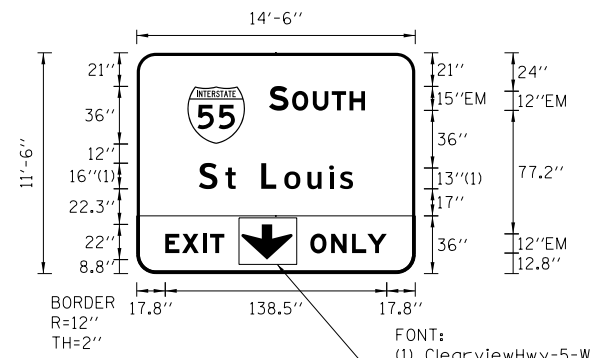
Panel Style: guide_fw_ overhead.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

FONT:
(1) ClearviewHwy-5-W

LETTER POSITIONS (X)							LENGTH	SERIESSIZE
E	A	S	T				EM 2000	
111	124.4	138.3	149.8				47.7	15,12
I	n	d	i	a	n	a		ClearviewHwy-5-W
47.5	55.6	69	83.1	90	103.8	117	79.2	16,13/10.6
3	/	4	M	I	L	E		EM 2000
50.7	59.8	70.8	90.1	102.2	107	116	72.7	10

USER NAME = ouyeungh	DESIGNED - NSA	REVISED -
PLOT SCALE = 1.0000' / 1"	DRAWN - NSA	REVISED -
PLOT DATE = 11/19/2014	CHECKED - MJE	REVISED -
	DATE - 11/14/2014	REVISED -

SIGN DETAIL
1:100



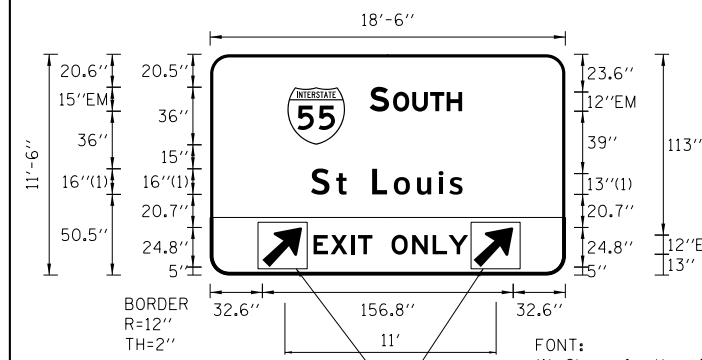
Panel Style: guide_fwy_overhead.ssi
Dimensions are in inches,tenths
Letter locations are panel edge to lower left corner

SIGN NUMBER	SW-18-OV, NW-22-OV
WIDTH x HGHT.	14'-6" x 11'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro-Reflective COLOR: Green/Yellow
LEGEND/BORDER	TYPE: Reflective COLOR: Black /White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	360	31.7	81.1	36	36
ARDOWN	0	65.5	8.8	32	22

LETTER POSITIONS (X)												LENGTH	SERIES/SIZE
S	O	U	T	H									EM 2000
82.7	97.1	110.1	122	133								60.1	15,12
S	t	L	o	u	i	s							ClearviewHwy-5-W
38.9	55.5	77.9	92.3	106.7	120.3	126.9						96.4	16,13/10.6
E	X	I	T										EM 2000
17.8	28.4	41.3	45.9									37	12
O	N	L	Y										EM 2000
108.5	121.5	134.6	144.2									47.8	12

SIGN DETAIL
1:100



Panel Style: guide_exp_overhead.ssi
Dimensions are in inches,tenths
Letter locations are panel edge to lower left corner

SIGN NUMBER	SW-16-OV, NW-20-OV
WIDTH x HGHT.	18'-6" x 11'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retro-Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: Black /White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	360	48.3	81.5	36	36
AR_Type A	315	32.6	5	20	31.5
AR_Type A	315	164.6	5	20	31.5

LETTER POSITIONS (X)												LENGTH	SERIES/SIZE
S	O	U	T	H									EM 2000
99.7	114.3	126.3	137.5	147.8								57.8	15,12
S	t	L	o	u	i	s							ClearviewHwy-5-W
63	78.8	101.2	114.8	129.3	142.8	149.5						94.8	16,13/10.6
E	X	I	T		O	N	L	Y					E 2000
64.7	75.3	88.2	92.4	101.4	113.4	126.2	139.1	149				96.6	12

NOTE:
1. ALL ARROWS (DOWN OR 45°) USED ON OVERHEAD SIGNS SHALL BE DEMOUNTABLE. THE COST OF DEMOUNTABLE ARROWS SHALL BE INCLUDED IN THE COST OF SIGN PANEL.

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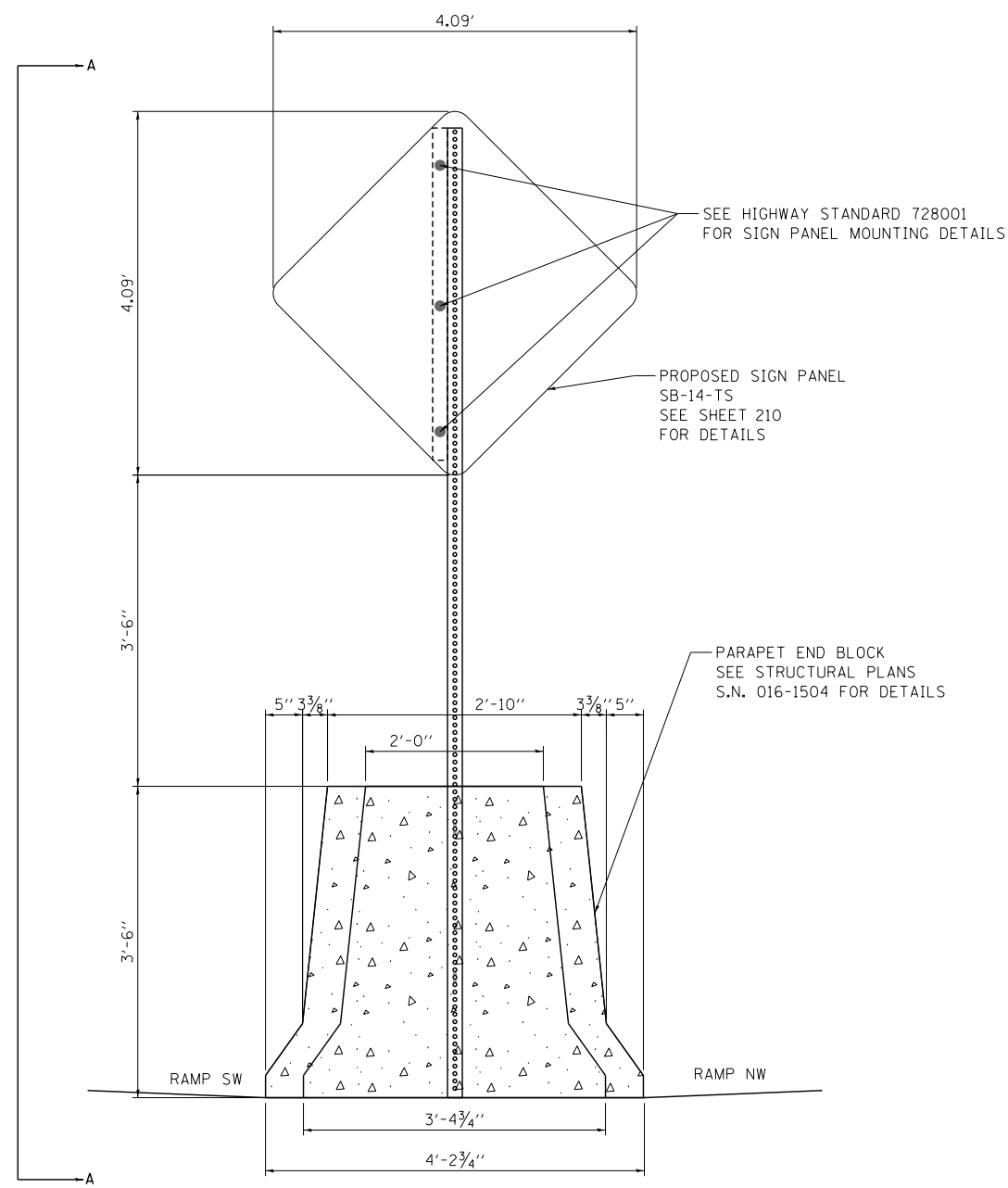
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PLOT SCALE = 1,0000' / 1in.	DRAWN - NSA	REVISED -
PLOT DATE = 11/19/2014	CHECKED - MJE	REVISED -
	DATE - 11/14/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

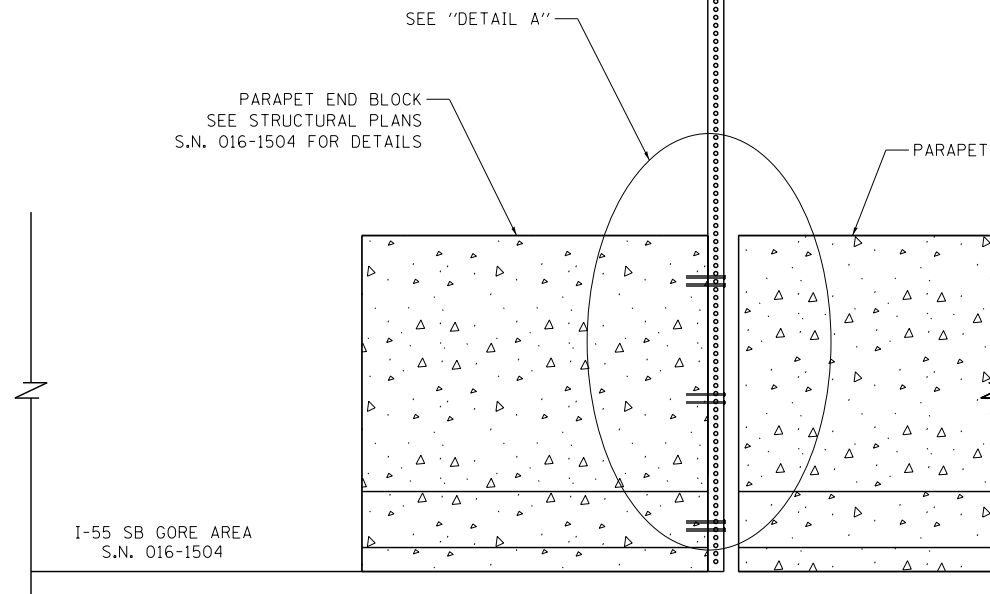
SIGN PANEL DETAILS

SCALE: SHEET NO. 5 OF 6 SHEETS STA. TO STA.

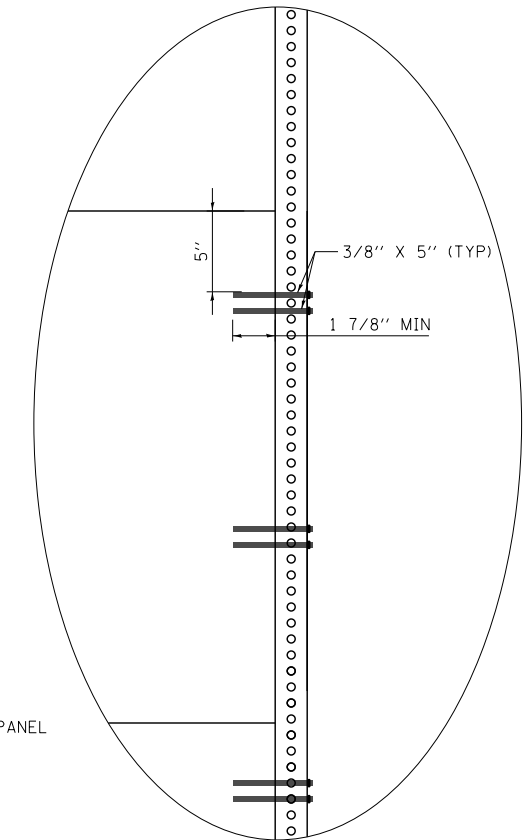
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	224
CONTRACT NO. 60L70				ILLINOIS FED. AID PROJECT



**END VIEW
PARAPET END BLOCK**
N.T.S.



VIEW A-A
N.T.S.



DETAIL A
N.T.S.

FILE NAME = D:\60L70-Sht-Telescoping-01.dgn



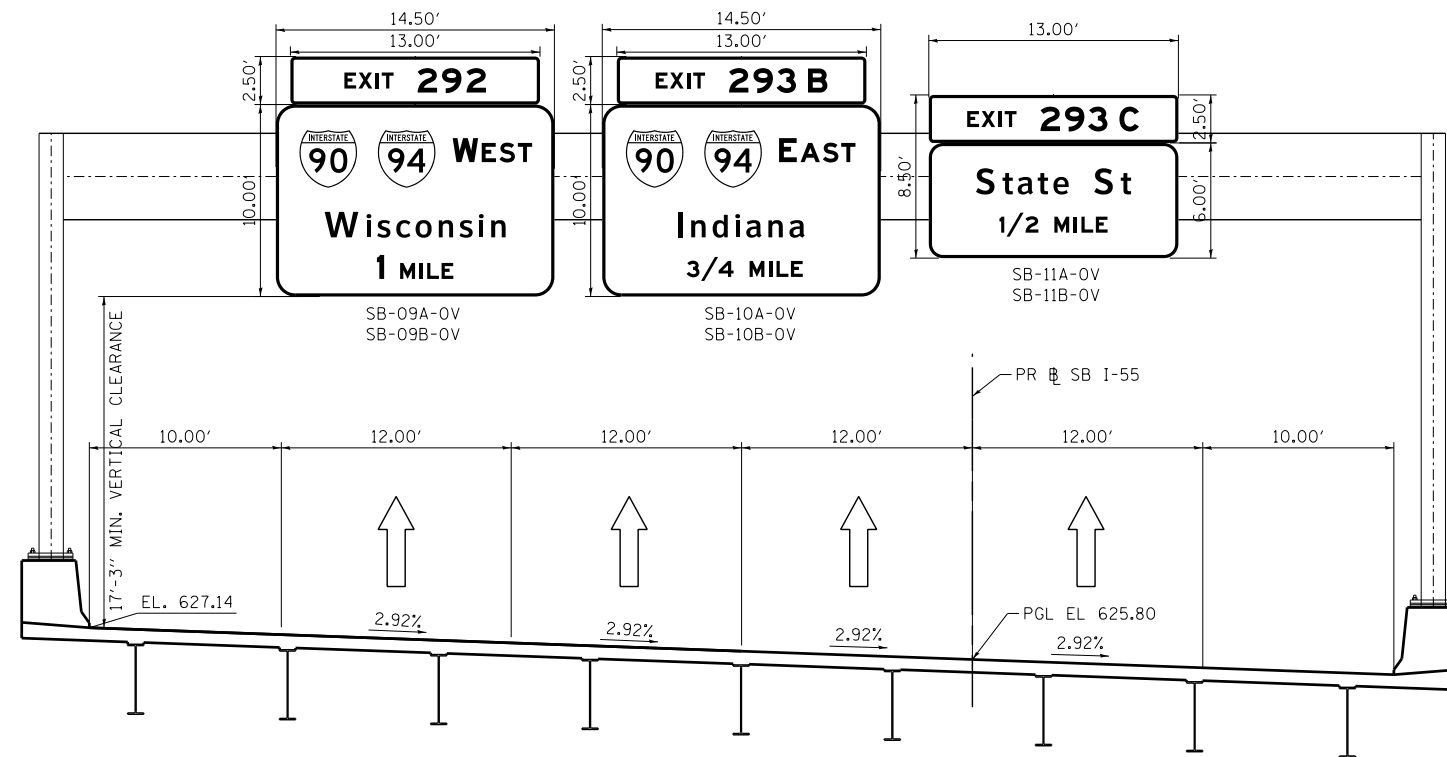
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PLOT SCALE = 1:8000' / 1"	DRAWN - NSA	REVISED -
PLOT DATE = 11/19/2014	CHECKED - MJE	REVISED -
	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WALL MOUNTED SIGN BASE DETAIL
FOR TELESCOPING STEEL SIGN SUPPORT (SPECIAL)**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	226
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				



OVERHEAD SIGN STRUCTURE – SPAN, TYPE I-A
STA 93+12.00
SB I-55

FILE NAME = D:\606170-sht-Signing-Overhead Struc-01.dgn



USER NAME = augeungh
 PLOT SCALE = 5.0000' / 1" / in.
 PLOT DATE = 11/19/2014

DESIGNED - NSA
 DRAWN - NSA
 CHECKED - MJE
 DATE - 11/14/2014

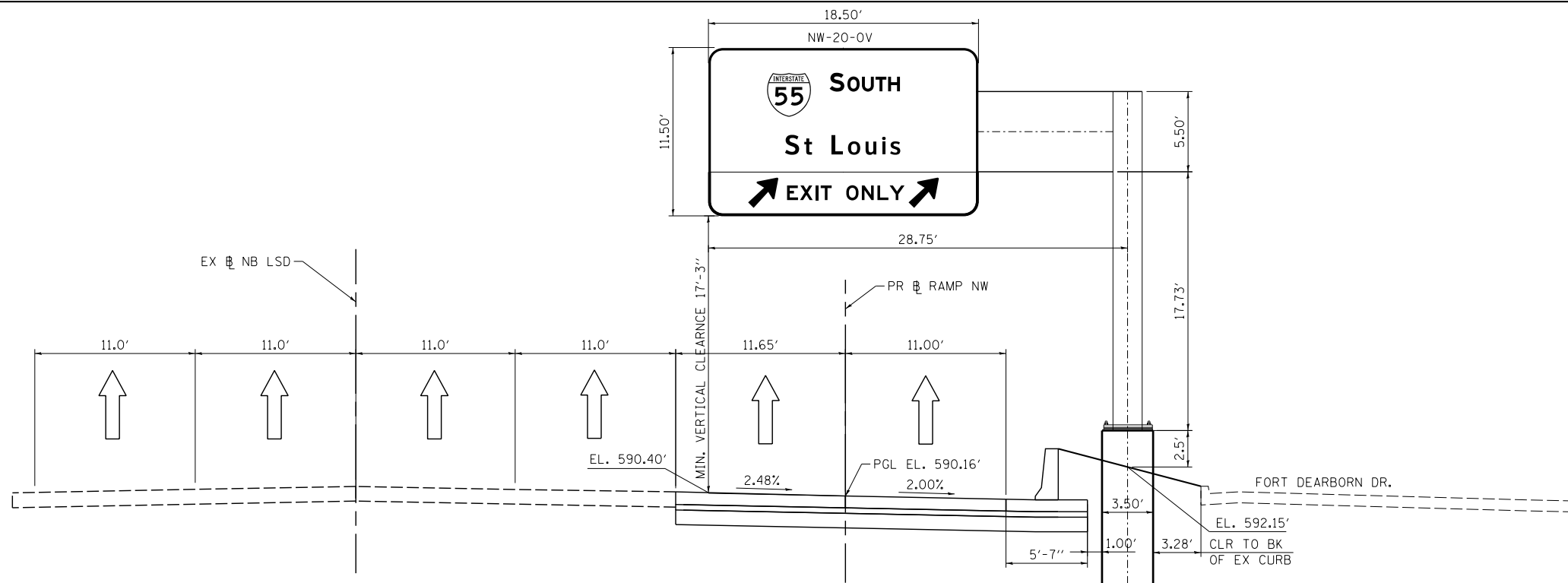
REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

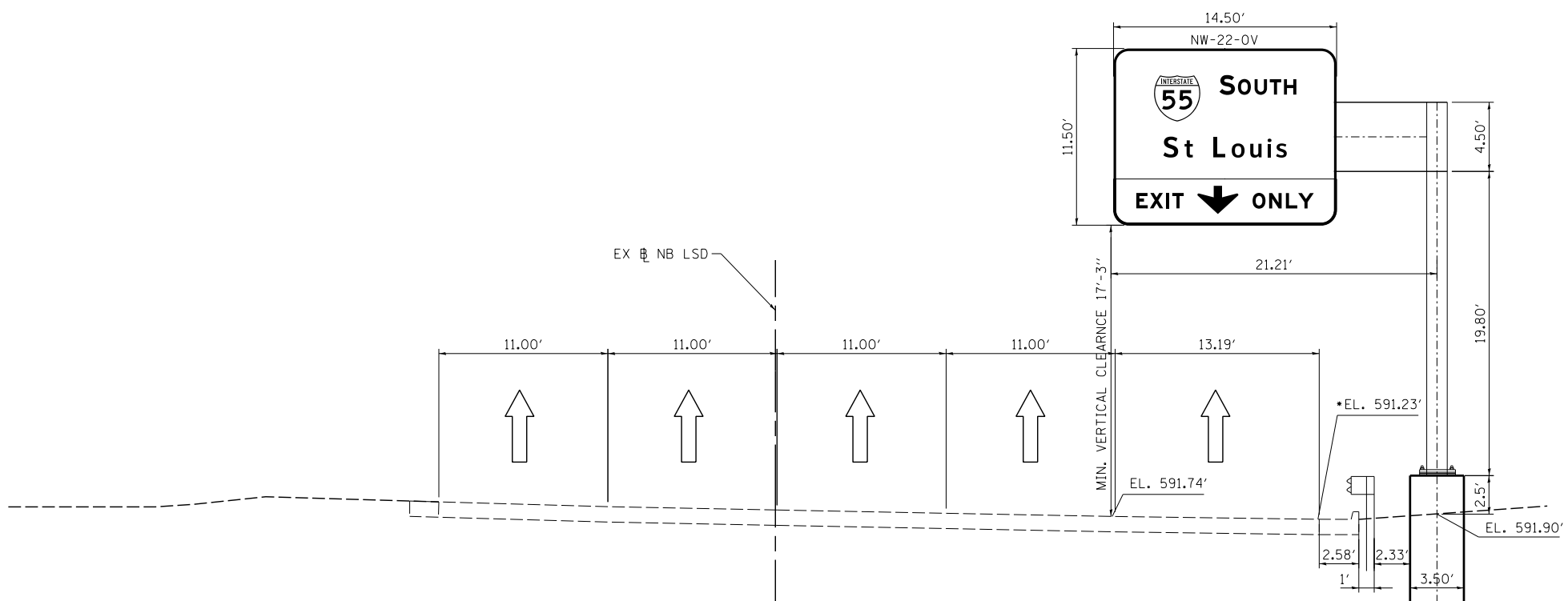
OVERHEAD SIGN PANEL PLACEMENT

SCALE: NONE SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	227
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				



**OVERHEAD SIGN STRUCTURE CANTILEVER
TYPE II-C-A
STA 420+93.74 (PR RAMP NW)
STA 1096+29.26 (NB LAKE SHORE DRIVE)
LOOKING NORTH**



**OVERHEAD SIGN STRUCTURE CANTILEVER
TYPE I-C-A
STA 1090+60.50 (NB LAKE SHORE DRIVE)
LOOKING NORTH**

FILE NAME = D:\60170-sht-Signing-Overhead Struc-02.dgn



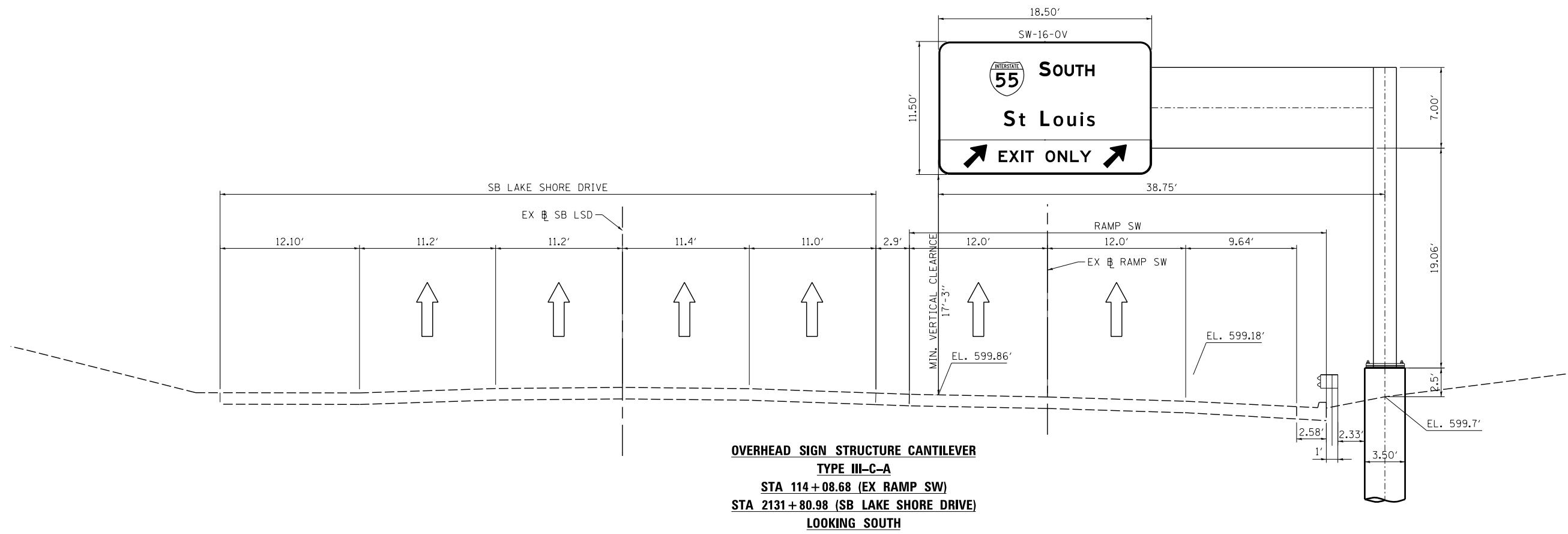
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	DRAWN - NSA	REVISED -
PLOT SCALE = 5.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 11/19/2014	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

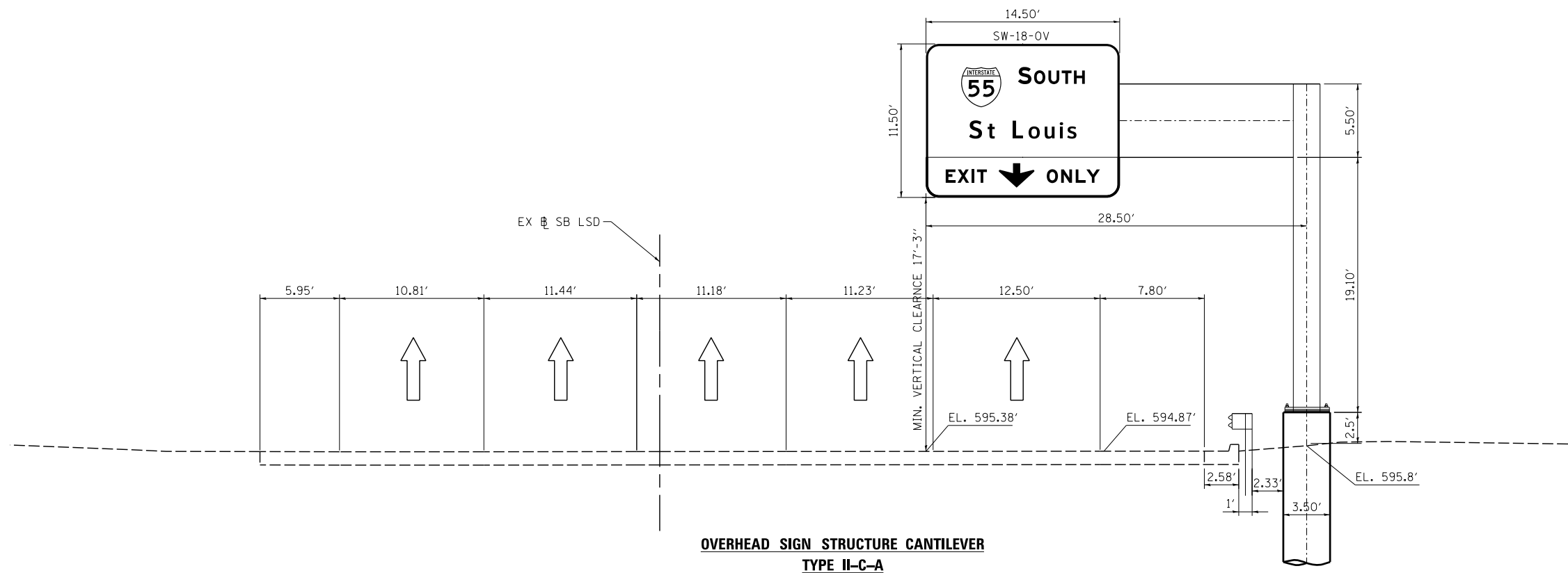
OVERHEAD SIGN PANEL PLACEMENT

SCALE: 1"=5' SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	228
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				



OVERHEAD SIGN STRUCTURE CANTILEVER
TYPE III-C-A
STA 114+08.68 (EX RAMP SW)
STA 2131+80.98 (SB LAKE SHORE DRIVE)
LOOKING SOUTH



OVERHEAD SIGN STRUCTURE CANTILEVER
TYPE II-C-A
STA 2140+14.33 (SB LAKE SHORE DRIVE)
LOOKING SOUTH

FILE NAME = D:\60L70-sht-Signing-Overhead Struc-03.dgn



USER NAME = augeungh	DESIGNED - NSA	REVISED -
	DRAWN - NSA	REVISED -
PLOT SCALE = 5.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 11/19/2014	DATE - 11/14/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN PANEL PLACEMENT
 SCALE: 1"=5' SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	229
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:

Field Units
 $f'_c = 3,500$ p.s.i.
 $f_y = 60,000$ p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specifications.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53.

All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.

The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The contract unit price for Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

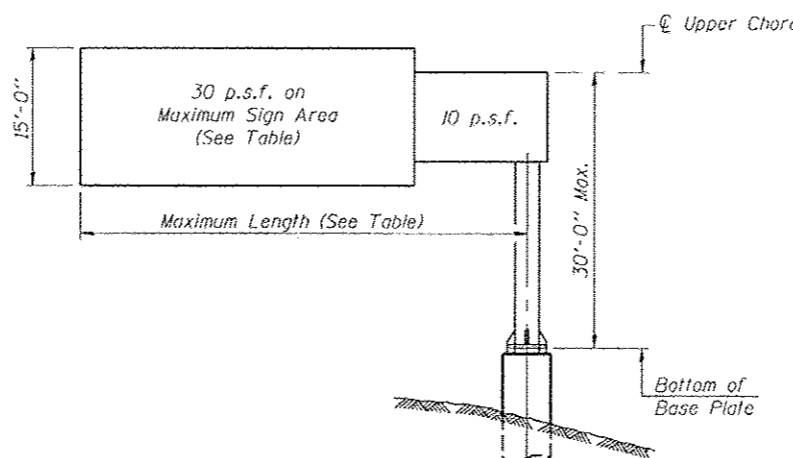
WALKWAY: Walkway grating, walkway brackets, handrails, lighting and associated components shown in these plans on the traffic side of the sign structure/sign panel will not be installed with Contract 60L70. The truss grating and maintenance walkway behind the sign panel will be included with this pay item.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE I-C-A	Foot	22
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE II-C-A	Foot	58
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE III-C-A	Foot	39
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	48.6

Structure Number	Station	Design Truss Type	Cantilever Length (L)	Elev. A	Dim. D	D _s	Total Sign Area
IC016U041R000.0-003	1090+60.50	I-C-A	21'-2 1/2"	591.74	7'-8"	11'-6"	166.75 Sq. Ft.
IC016U041R000.0-004	1096+29.26	II-C-A	28'-9"	590.40	8'-4"	11'-6"	212.75 Sq. Ft.
IC016U041L000.0-002	2140+14.33	II-C-A	28'-6"	595.38	7'-8"	11'-6"	166.75 Sq. Ft.
IC016U041L000.0-001	2131+80.98	III-C-A	38'-9"	599.86	7'-8"	11'-6"	212.75 Sq. Ft.

Truss Type	Maximum Sign Area	Maximum Length
I-C-A	170 Sq. Ft.	25 Ft.
II-C-A	340 Sq. Ft.	30 Ft.
III-C-A	400 Sq. Ft.	40 Ft.



DESIGN WIND LOADING DIAGRAM

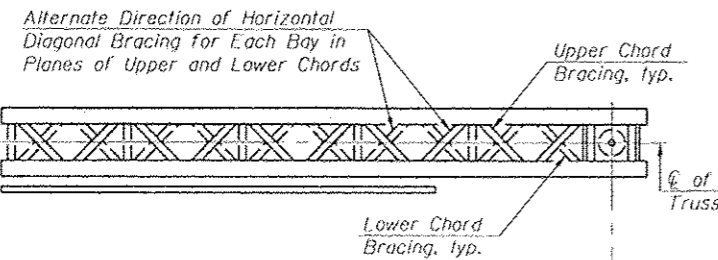
Parameters shown are basis for I.D.O.T. Standards. Installations not within dimensional limits shown require special analysis for all components.

Note:

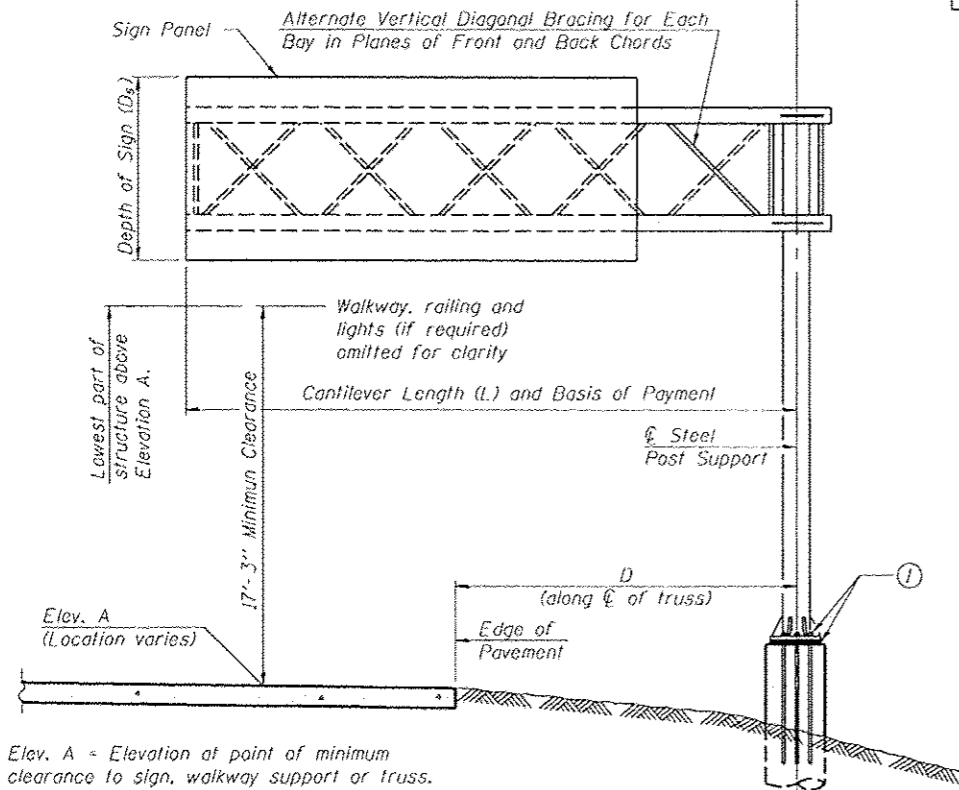
Trusses shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The contractor is responsible for maintaining the configuration and protection of the trusses.

① After adjustments to level truss and insure adequate vertical clearance, all top and leveling nuts shall be tightened against the base plate with a minimum torque of 200 lb.-ft. Stainless steel mesh shall then be placed around the perimeter of the base plate. Secure to base plate with stainless steel banding.

* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.



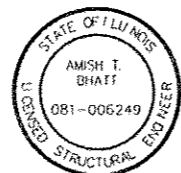
TYPICAL PLAN
(Walkway not shown)



TYPICAL ELEVATION
Looking in Direction of Traffic

Elev. A - Elevation at point of minimum clearance to sign, walkway support or truss.

Sign support structures may be subject to damaging vibrations and oscillations when sign panels are not in place during erection or maintenance of the structure. To avoid these vibrations and oscillations, consideration should be given to attaching temporary blank sign panels to the structure.



Amish T. Bhatt 11/20/14
 AMISH T. BHATT DATE
 LICENSE EXPIRES 11/30/2014
 Sheet Range: 230 thru 249

OSC-A-1

8-21-13



USER NAME - auyeungh	DESIGNED - VP	REVISED -
PLOT SCALE -	CHECKED - ATB	REVISED -
PLOT DATE - 11/20/2014	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

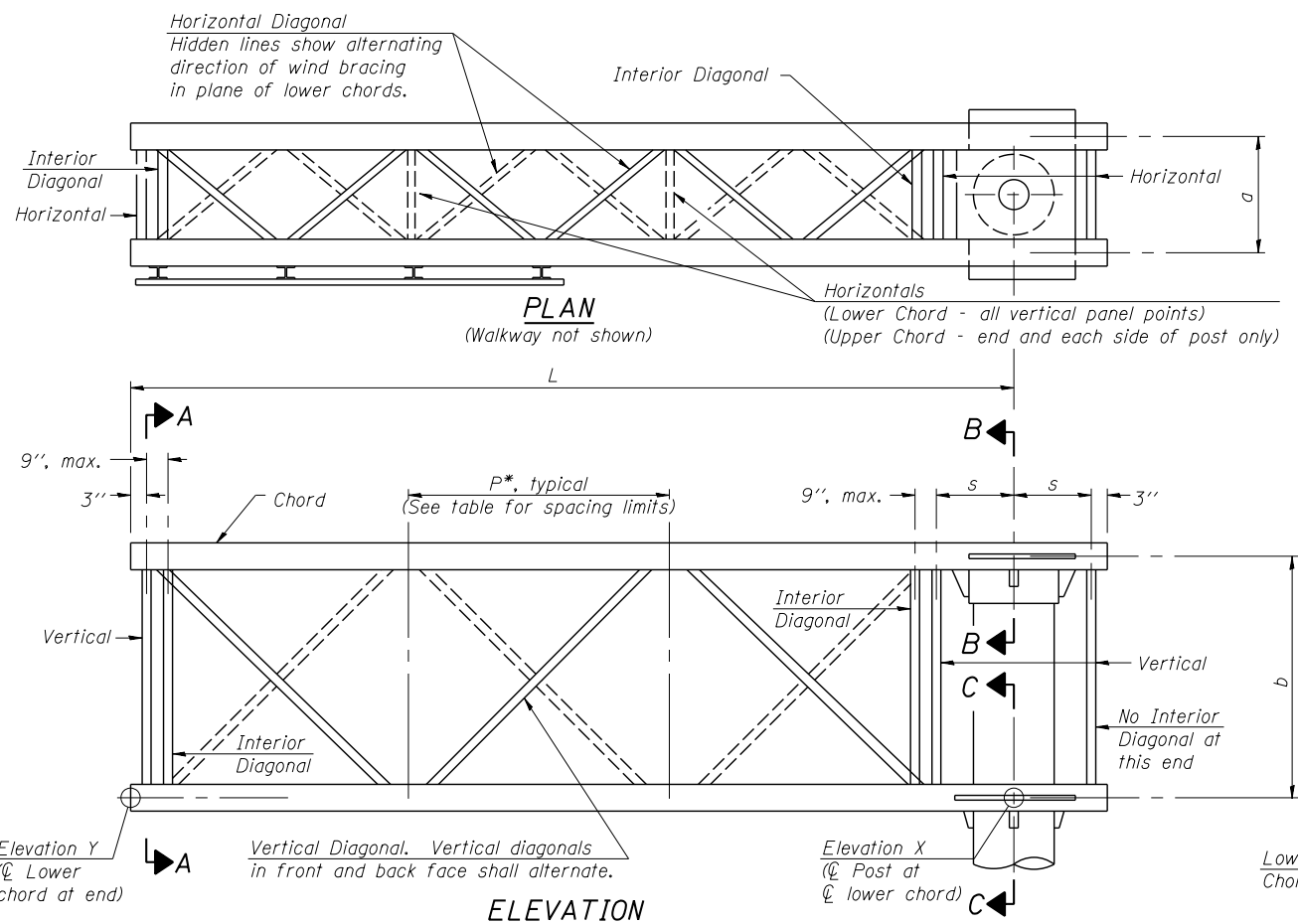
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - GENERAL PLAN & ELEVATION
 I-55 AND LAKE SHORE DRIVE - SN 016-1501, 016-1504 & 016-1505

F.A.I. RTE. - 55	SECTION - 2010-080-B	COUNTY - COOK	TOTAL SHEETS - 886	SHEET NO. - 230
CONTRACT NO. 60L70			ILLINOIS FED. AID PROJECT	

SHEET NO. 1 OF 20 SHEETS

701_0160000_60L70_SIGN_1.dgn



TYPICAL TRUSS UNIT
(Sign and walkway omitted for clarity)

Note: For Section B-B and Section C-C, see Base Sheet OSC-A-3.

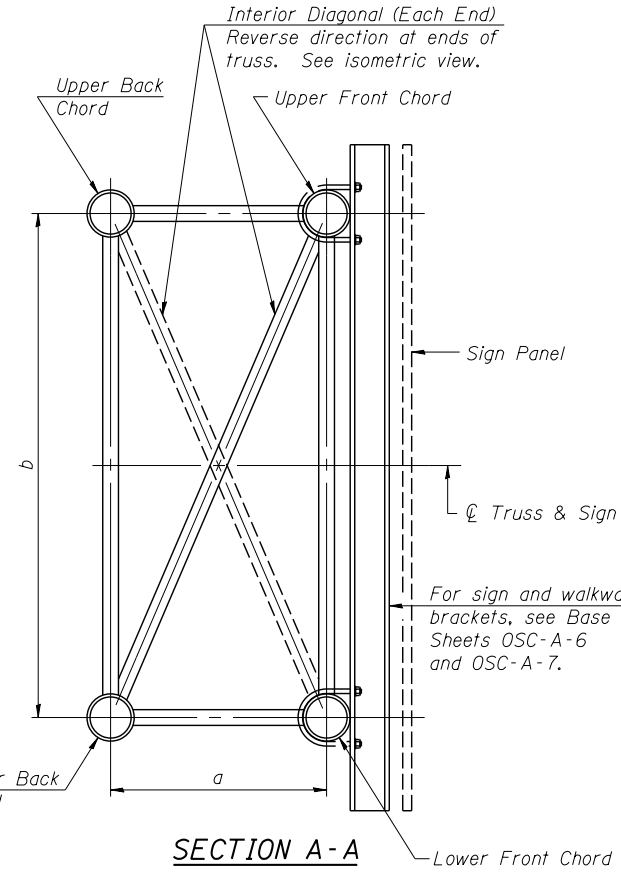
There are twice as many horizontal diagonals as there are vertical diagonals.

TRUSS UNIT TABLE

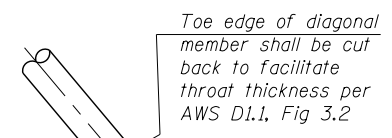
Truss Type	Dimension "a"	Dimension "b"	Dimension "s"	Limits for Panel Spacing (P)*	Up. & Low. Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals	
					O.D.	Wall	O.D.	Wall
I-C-A	24"	54"	16"	36" min. to 48" max.	5"	5/16"	2 1/2"	5/16"
II-C-A	36"	66"	21"	42" min. to 54" max.	6 1/2"	5/16"	3 1/4"	5/16"
III-C-A (35' Max.)	36"	84"	21"	48" min. to 66" max.	7"	3/8"	3 1/2"	3/8"
III-C-A (>35' to 40')	36"	84"	21"	48" min. to 66" max.	8"	3/8"	3 1/2"	3/8"

$$*P = \frac{L - s - 3''}{\# \text{ Panels}}$$

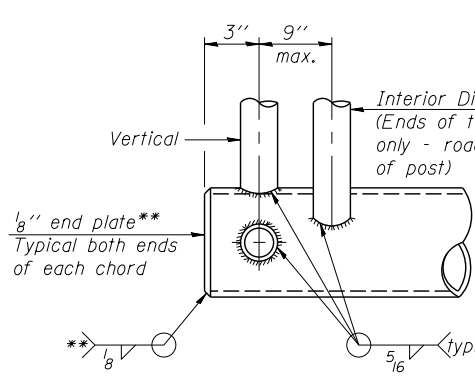
Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
1C016U041R000.0-003	1090+60.50	I-C-A	21'-2 1/2"	5	3'-11 1/8"
1C016U041R000.0-004	1096+29.26	II-C-A	28'-9"	6	4'-5 1/2"
1C016U041L000.0-002	2140+14.33	II-C-A	28'-6"	6	4'-5"
1C016U041L000.0-001	2131+80.98	III-C-A	38'-9"	7	5'-3"



SECTION A-A

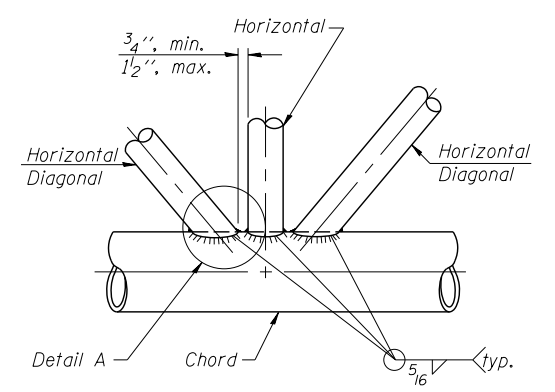


DETAIL A

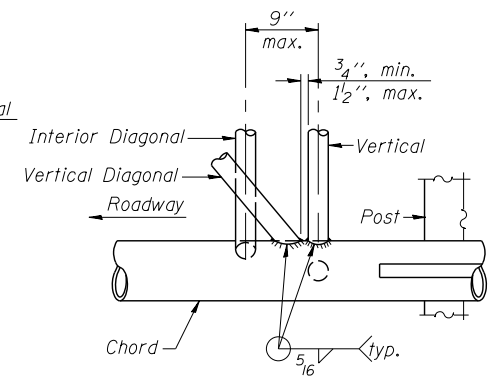


CANTILEVER END JOINT DETAIL

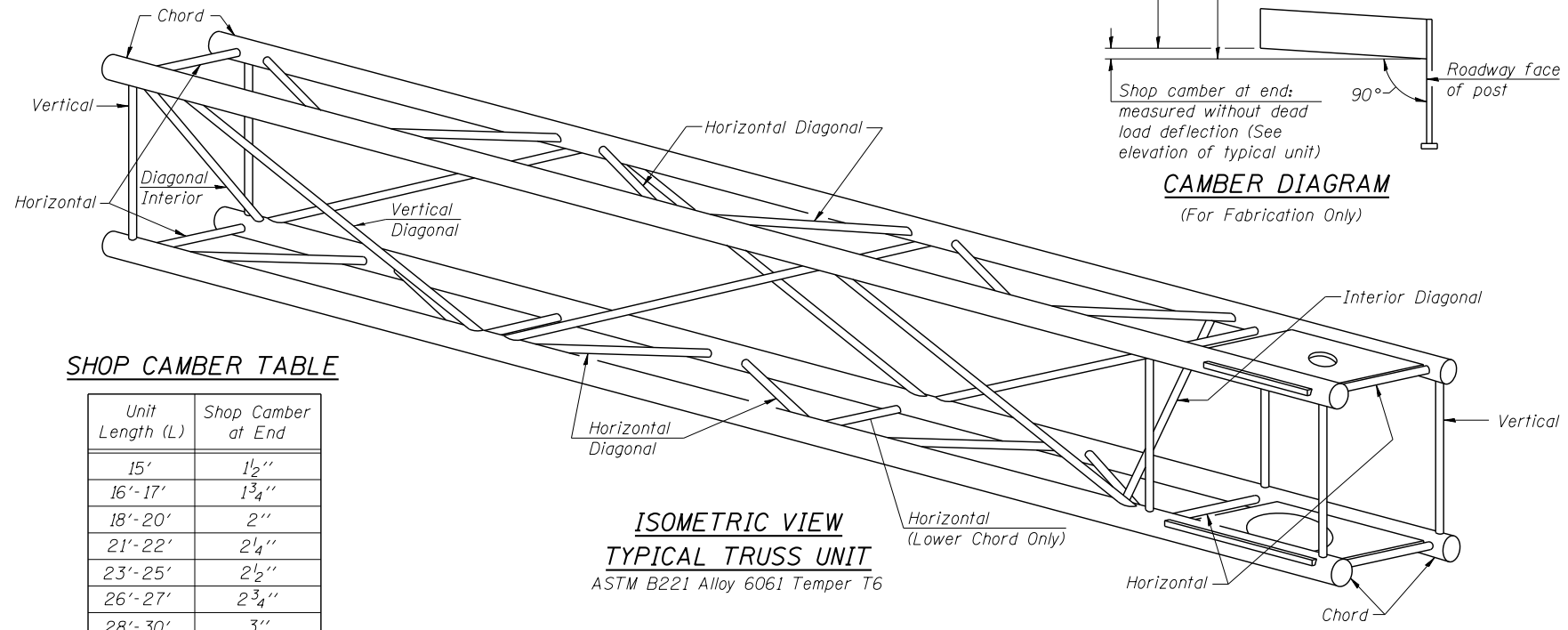
** Contractor may alternatively use standard aluminum drive-fit cap to close ends. 1/2" diameter drain hole in end plate / drive-fit cap.



TRUSS INTERIOR JOINT DETAIL



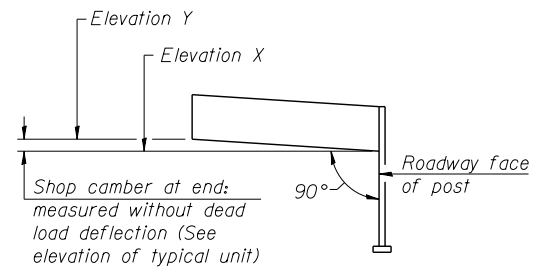
POST END JOINT DETAIL



ISOMETRIC VIEW TYPICAL TRUSS UNIT
ASTM B221 Alloy 6061 Temper T6

SHOP CAMBER TABLE

Unit Length (L)	Shop Camber at End
15'	1 1/2"
16'-17'	1 3/4"
18'-20'	2"
21'-22'	2 1/4"
23'-25'	2 1/2"
26'-27'	2 3/4"
28'-30'	3"
31'-32'	3 1/4"
33'-35'	3 1/2"
36'-37'	4"
38'-40'	4 1/2"



CAMBER DIAGRAM
(For Fabrication Only)

OSC-A-2

6-1-12



USER NAME = auyeungh	DESIGNED - VP	REVISD -
PLOT SCALE =	CHECKED - ATB	REVISD -
PLOT DATE = 11/19/2014	DRAWN - MRK	REVISD -
	CHECKED - CLS	REVISD -

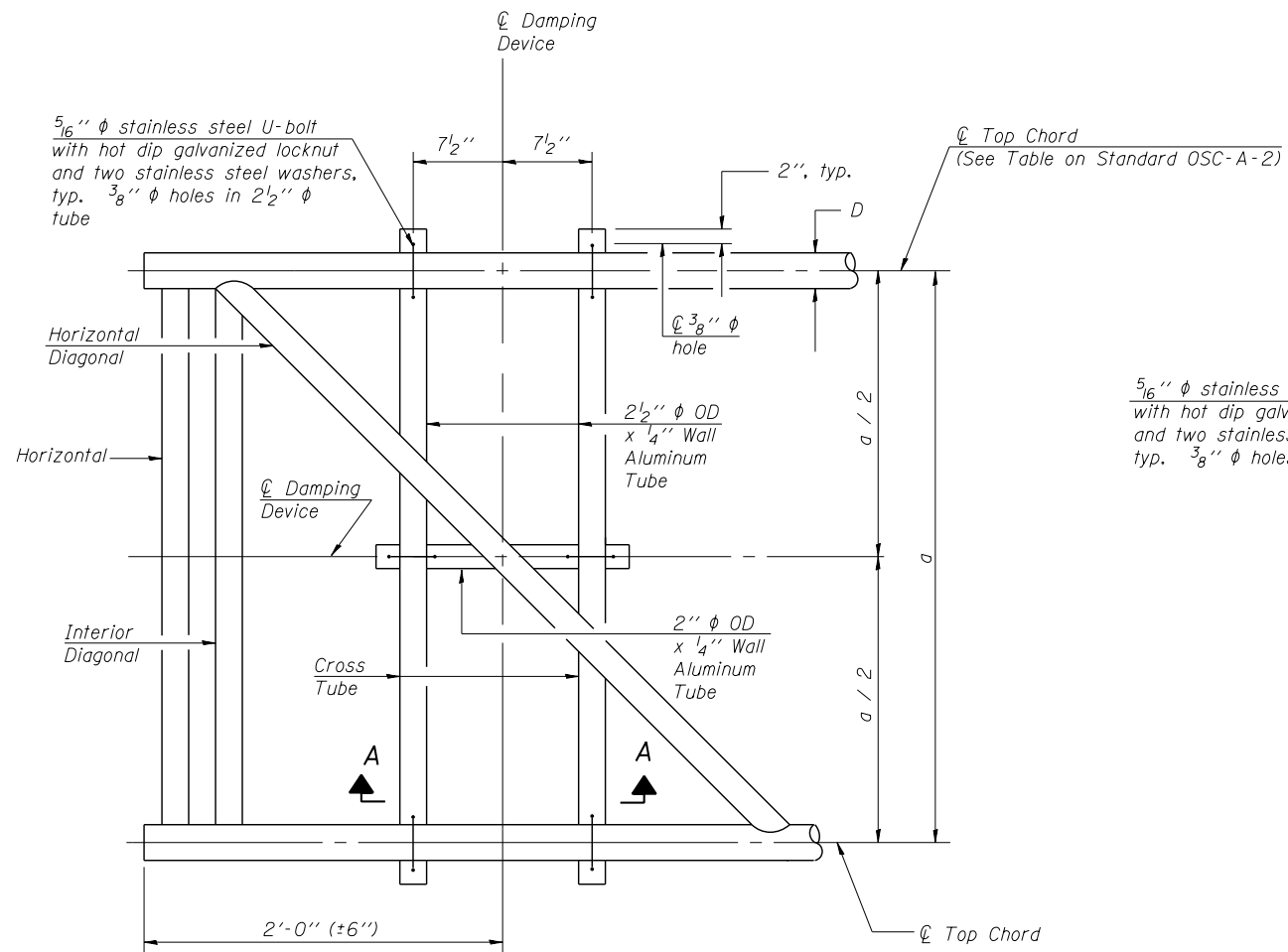
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - TRUSS DETAILS
ALUMINUM TRUSS & STEEL POST

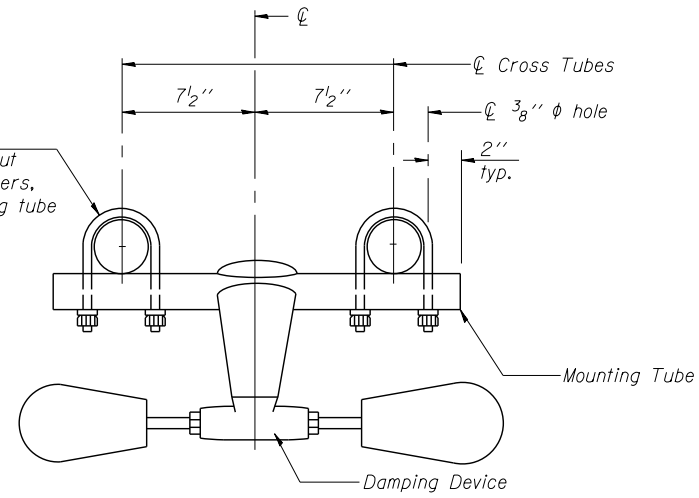
SHEET NO. 2 OF 20 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	231
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

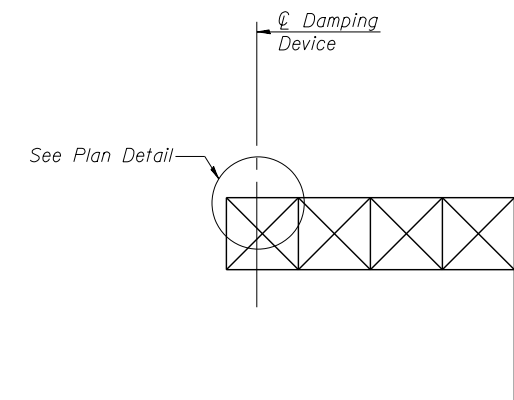
702-0160000_60L70_SIGN_1.dgn



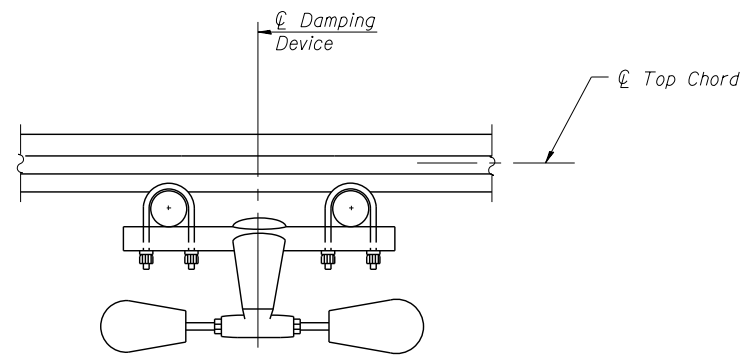
PLAN DETAIL



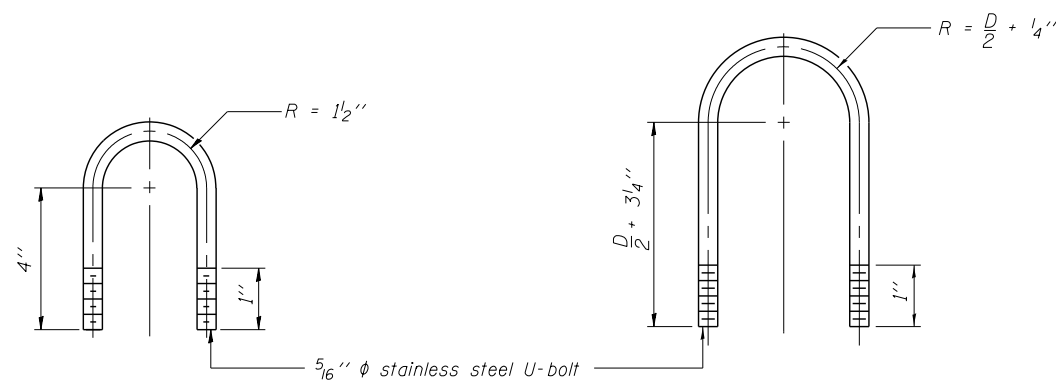
TRUSS DAMPING DEVICE CONNECTION DETAIL



ELEVATION
Aluminum Cantilever Sign Structure



SECTION A-A



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
(Typical)

TOP CHORD TO CROSS TUBE U-BOLT DETAIL
(Typical)

GENERAL NOTES

- Damper: One damper per truss. (31 lbs. Stockbridge-Type Aluminum-29" minimum between ends of weights)
- Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6

703_0160000_60L70_SIGN_1.dgn

OSC-A-D

6-1-12



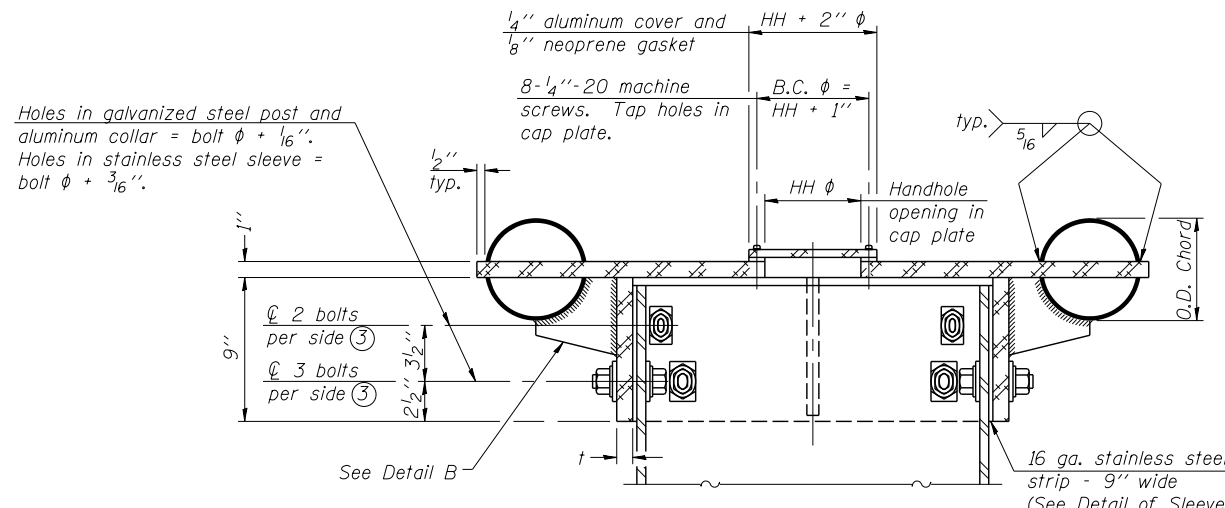
USER NAME = auyeungh	DESIGNED - VP	REVISED -
	CHECKED - ATB	REVISED -
PLOT SCALE =	DRAWN - MRK	REVISED -
PLOT DATE = 11/19/2014	CHECKED - CLS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURE
DAMPING DEVICE

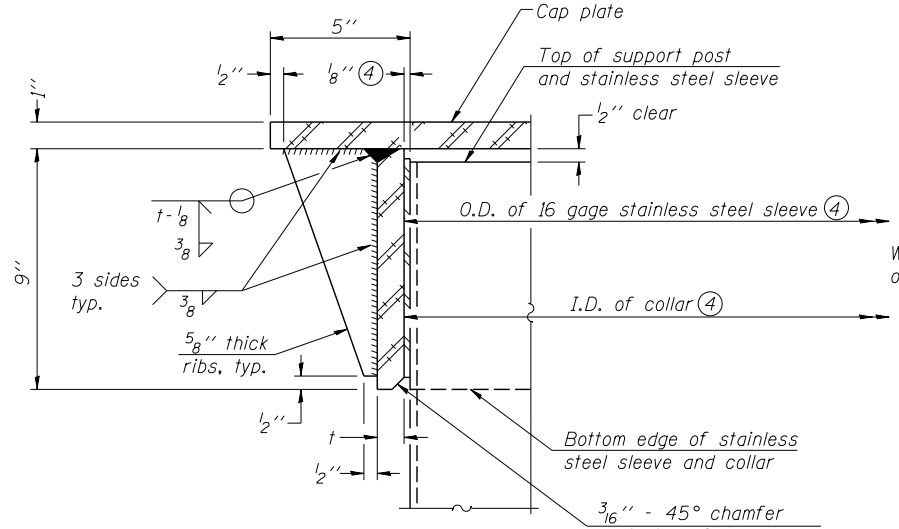
SHEET NO. 3 OF 20 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	232
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

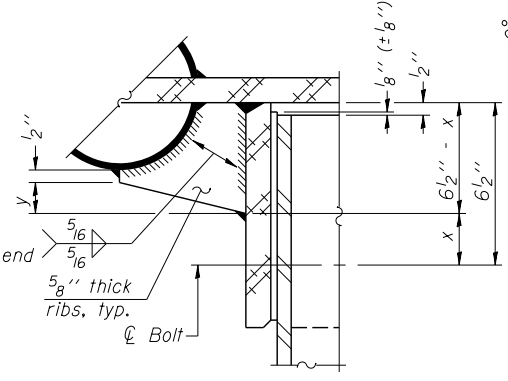


④ Collar I.D. shall be manufactured to correspond to O.D. of actual galvanized post and stainless steel sleeve plus 1/8" (+1/16"). Maximum gap between post and collar at any location equals 1/8" before tightening bolts.

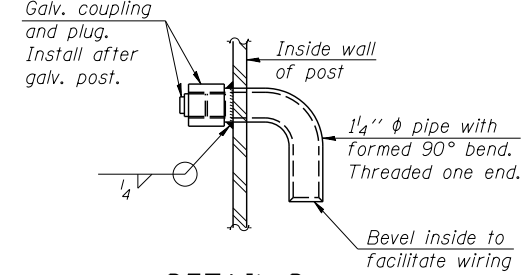
SECTION B-B
Bolts, washers (including contoured washers), and locknuts shall be stainless steel.



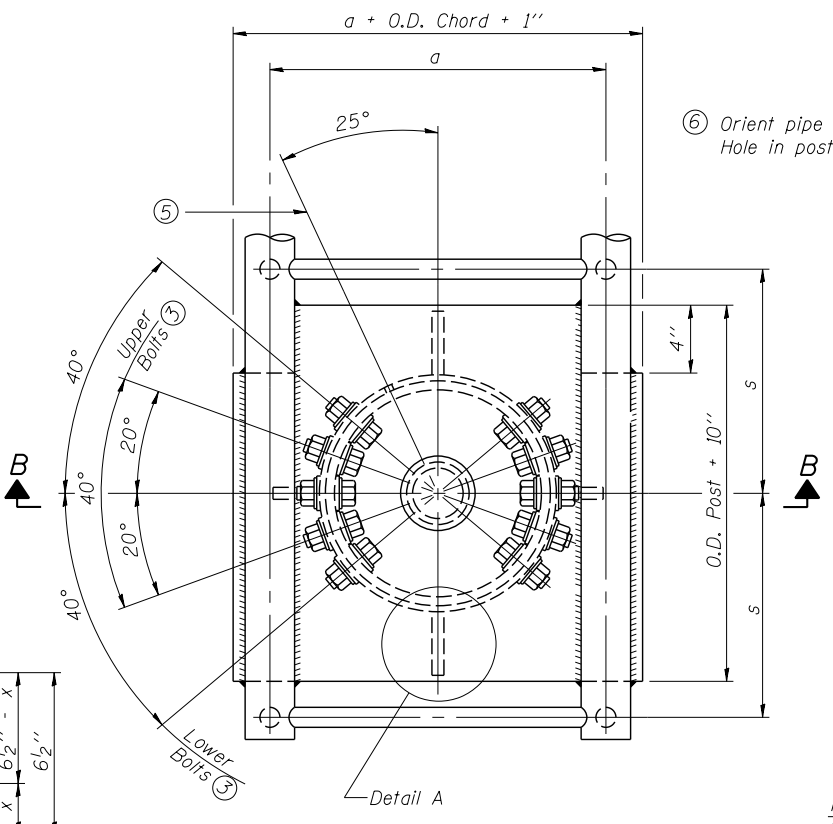
DETAIL A
(Two locations)
3/16" - 45° chamfer on inside of collar to facilitate field assembly



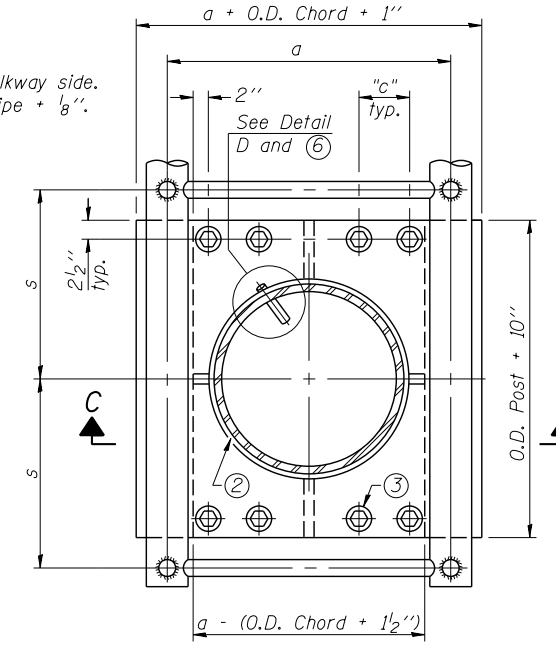
DETAIL B
Two locations
(For details not shown, see Detail C)



DETAIL D

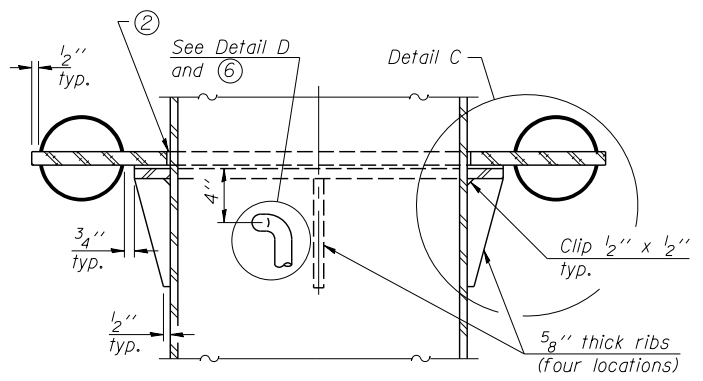


PLAN VIEW - TOP OF COLUMN
⑤ Optional full penetration weld in collar. (Two locations maximum....(180° apart)....X-ray or UT 100%)

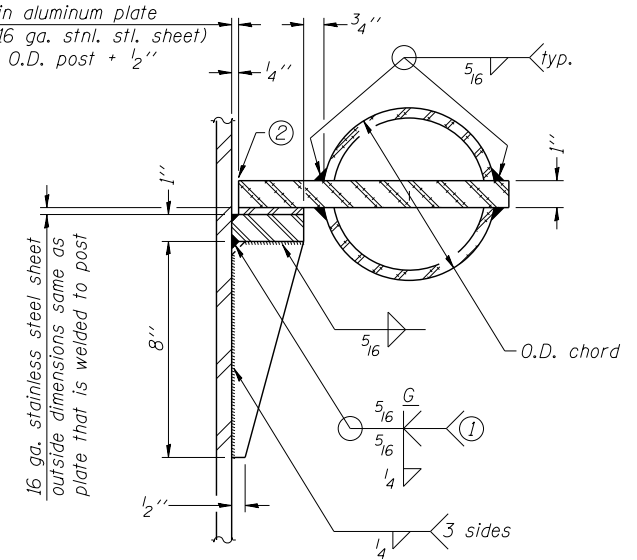


SECTION THRU POST ABOVE LOWER CHORDS

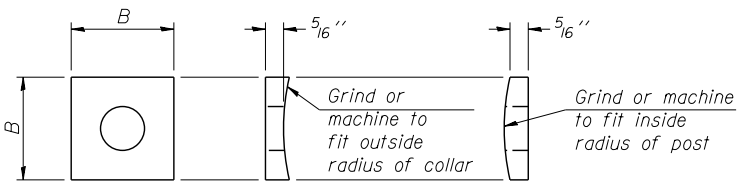
Hole in aluminum plate (and 16 ga. stnl. stl. sheet) to be O.D. post + 1/2"



SECTION C-C



DETAIL C



CONTOURED WASHERS

Bolt Size	Contoured Washers	
	Hole Dia.	B
7/8"	1"	2 1/2"
1"	1 1/8"	3"
1 1/4"	1 3/8"	3 1/4"

DETAIL OF STAINLESS STEEL SLEEVE

Weld to post after galvanizing. (Prepare post surface to insure tight, uniform fit and allow welding.) Welds to be 1/2" long at 6" cts. along top edge and at 1/4" opening.

Truss Type	Post Size	Upper & Lower Connection Bolt Diameter ③	Lower Juncture Bolt Spacing Dimension "c" ③	Opening in Cap Plate "HH"	Collar Thickness (t)	Side Ribs	
						x	y
I-C-A	16" phi (83#/')	7/8"	3 1/4"	8"	5/8"	1 3/4"	2 1/4"
II-C-A	24" phi (125#/')	1"	3 1/2"	12"	7/8"	2"	1 1/4"
III-C-A (35' max.)	24" phi (125#/')	1 1/4"	3 1/2"	12"	7/8"	2"	1"
III-C-A (>35' to 40')	24" phi (171#/')	1 1/4"	3 1/2"	12"	7/8"	2"	1"

- ① Grind top if required to fully seat aluminum plate and stainless steel sheet.
- ② After tightening lower connection bolts, fill gap with non-hardening, silicone caulk suitable for exterior exposure and acceptable to the Engineer. Cost is included in Overhead Sign Structure Cantilever.
- ③ Upper and lower connection bolts in collar and bolts at lower chord connection shall be high strength with matching locknuts. Connection bolts shall have 2 stainless steel flat washers each.

OSC-A-3

6-1-12



USER NAME = auyeungh	DESIGNED - VP	REVISED -
PLOT SCALE =	CHECKED - ATB	REVISED -
PLOT DATE = 11/19/2014	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

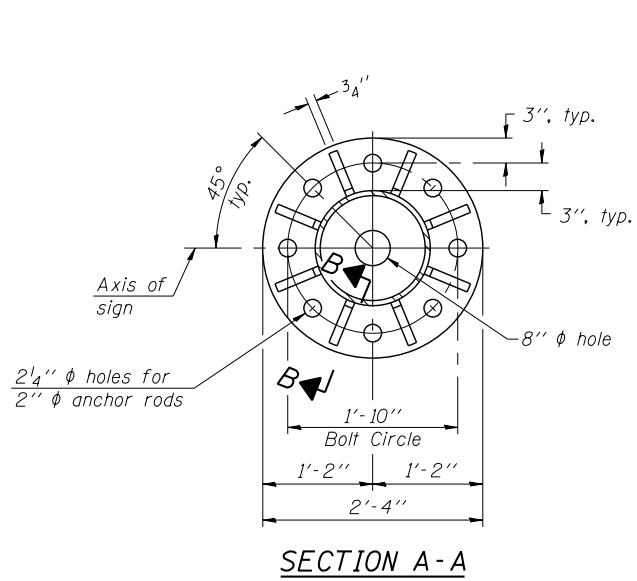
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - JUNCTURE DETAILS
ALUMINUM TRUSS & STEEL POST

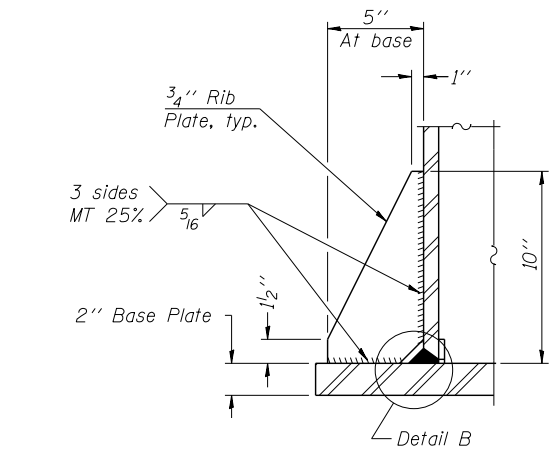
SHEET NO. 4 OF 20 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	233
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

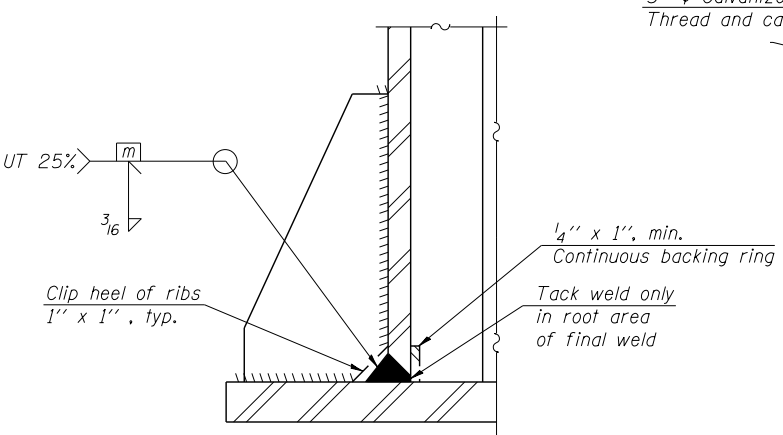
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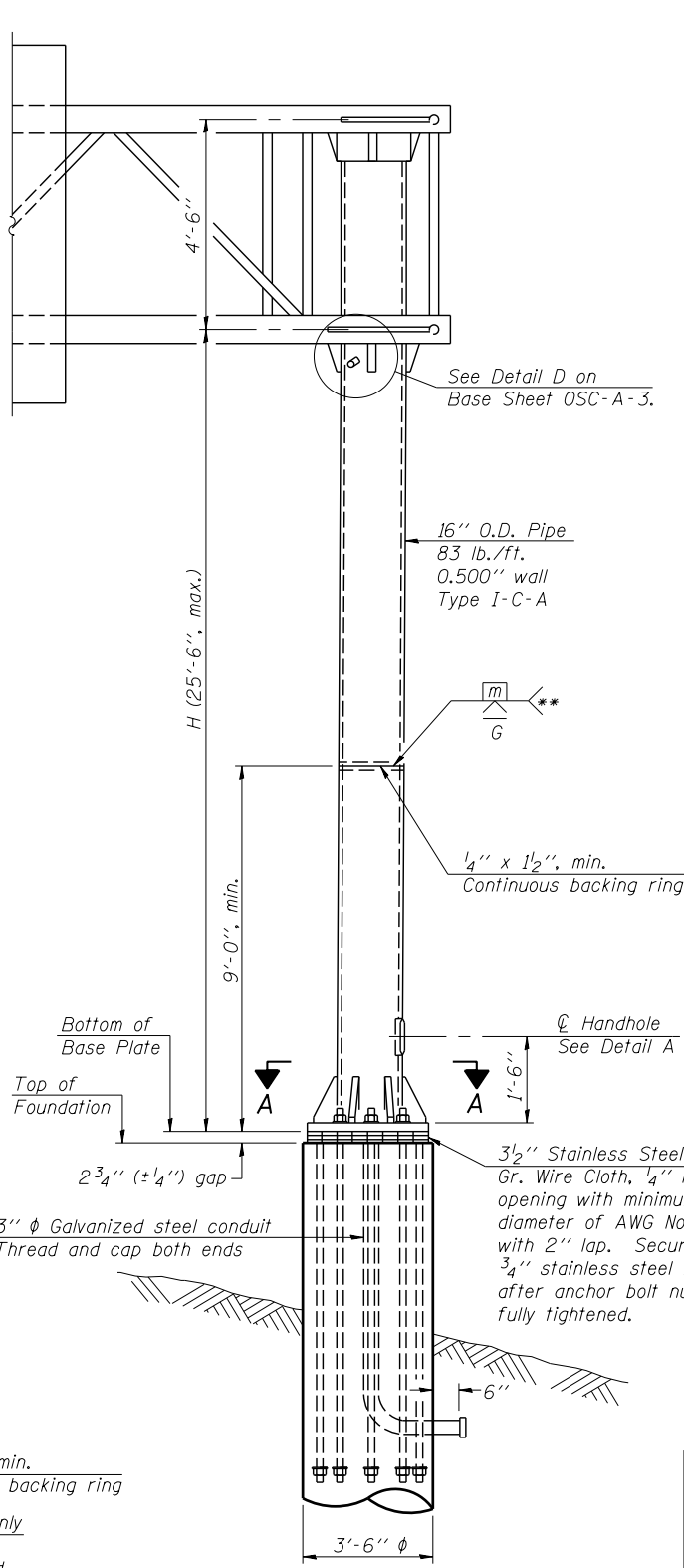
SECTION A-A



SECTION B-B

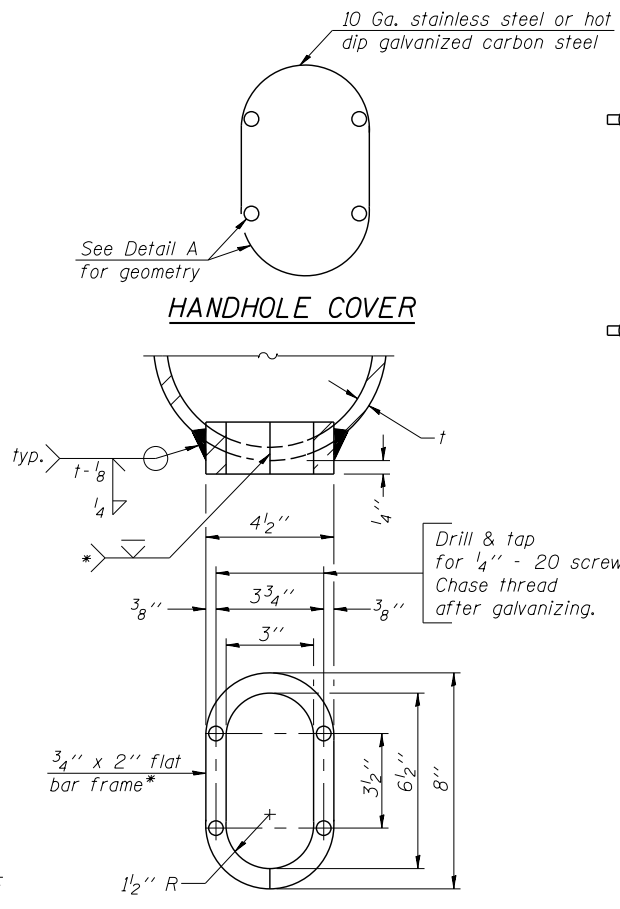


DETAIL B
(Typical rib)



FRONT ELEVATION

For Foundation Details see Base Sheet OSC-A-9.



HANDHOLE COVER

Provide 8" x 4 1/2" cover. Outside corners = 2 1/4" radius. Provide 4-5/16" holes in cover for 1/4" - 20 round head hot dip galvanized or stainless steel machine screws. (See cover details.)

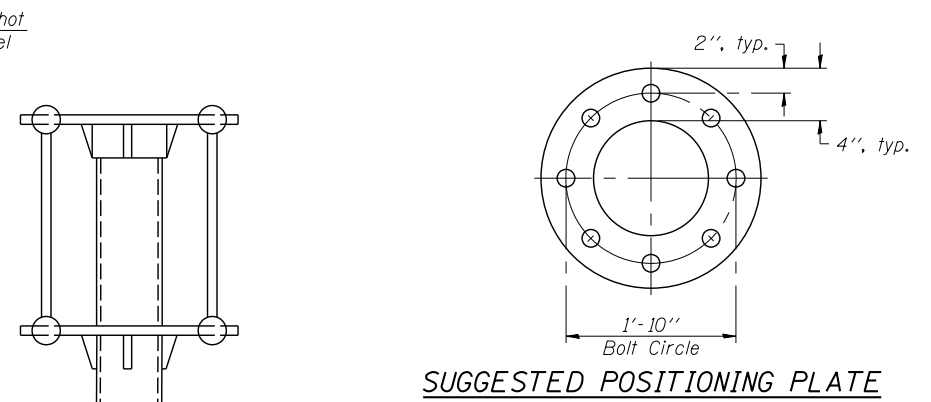
DETAIL A

* Bent bars may be butt welded top and bottom or bottom only. In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 μ in or less.

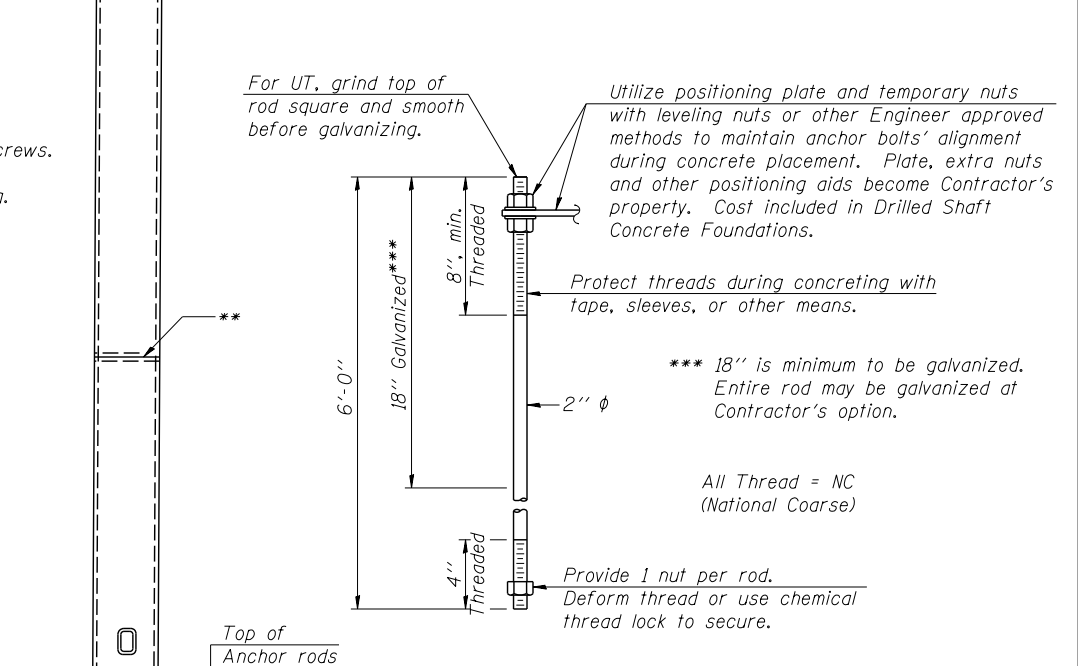
** Butt welded joint in post is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Structure Number	Station	H
1C016U041R000.0-003	1090+60.50	19'-9 ⁵ / ₈ "

Note: "H" based on 15'-0" or actual sign height, whichever is greater.



SUGGESTED POSITIONING PLATE



ANCHOR ROD DETAIL

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize the upper 18" (minimum***) and associated AASHTO M291, Grade A, C or DH heavy hex nuts and hardened washers per AASHTO M232. No welding shall be permitted on rods. Provide a nut at bottom, a hexagon locknut and washer above base plate and a leveling nut and washer below base plate. Nuts shall each be tightened with 200 lb.-ft. minimum torque against base plate. Before or after threading, but before galvanizing, each anchor rod shall be ultrasonically tested (UT) by a Level II or III Inspector, qualified in accord with ANSI guidelines, to insure no rejectable flaws exist in the upper 18" (tension criteria). Cost of testing included in Drilled Shaft Concrete Foundations.

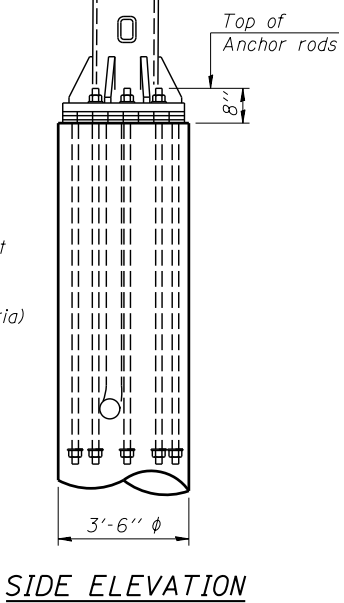
Utilize positioning plate and temporary nuts with leveling nuts or other Engineer approved methods to maintain anchor bolts' alignment during concrete placement. Plate, extra nuts and other positioning aids become Contractor's property. Cost included in Drilled Shaft Concrete Foundations.

Protect threads during concreting with tape, sleeves, or other means.

*** 18" is minimum to be galvanized. Entire rod may be galvanized at Contractor's option.

All Thread = NC (National Coarse)

Provide 1 nut per rod. Deform thread or use chemical thread lock to secure.



SIDE ELEVATION

OSC-A-4

6-1-12



USER NAME = auyeungh	DESIGNED - VP	REVISED -
PLOT SCALE =	CHECKED - ATB	REVISED -
PLOT DATE = 11/19/2014	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

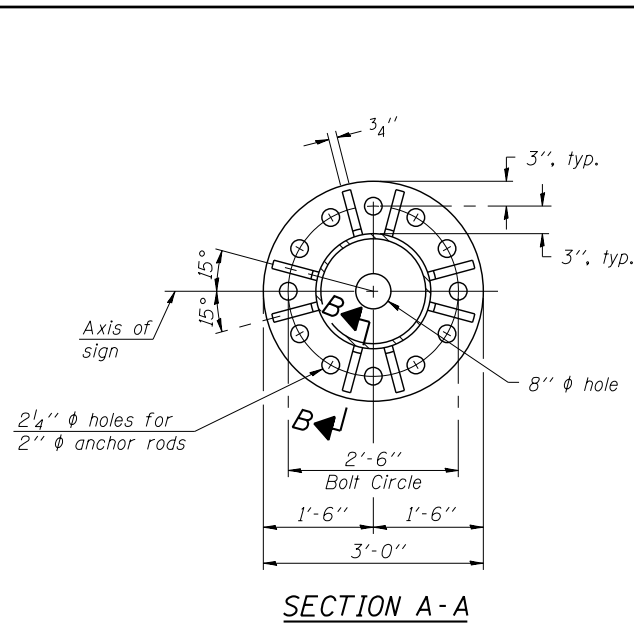
CANTILEVER SIGN STRUCTURES - TYPE I-C-A TRUSS
SUPPORT POST - ALUMINUM TRUSS & STEEL POST

SHEET NO. 5 OF 20 SHEETS

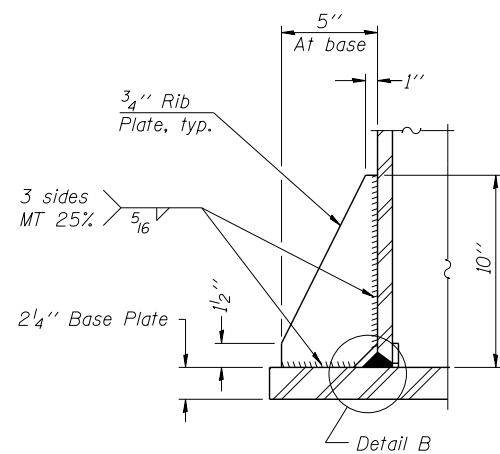
F.A.I. RTE. = 55	SECTION = 2010-080-B	COUNTY = COOK	TOTAL SHEETS = 886	SHEET NO. = 234
CONTRACT NO. 60L70				

ILLINOIS FED. AID PROJECT

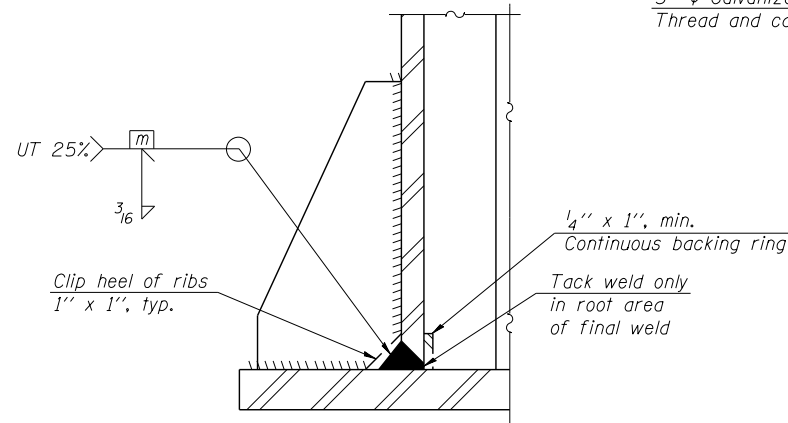
705_0160000_60L70_SIGN_1.dgn



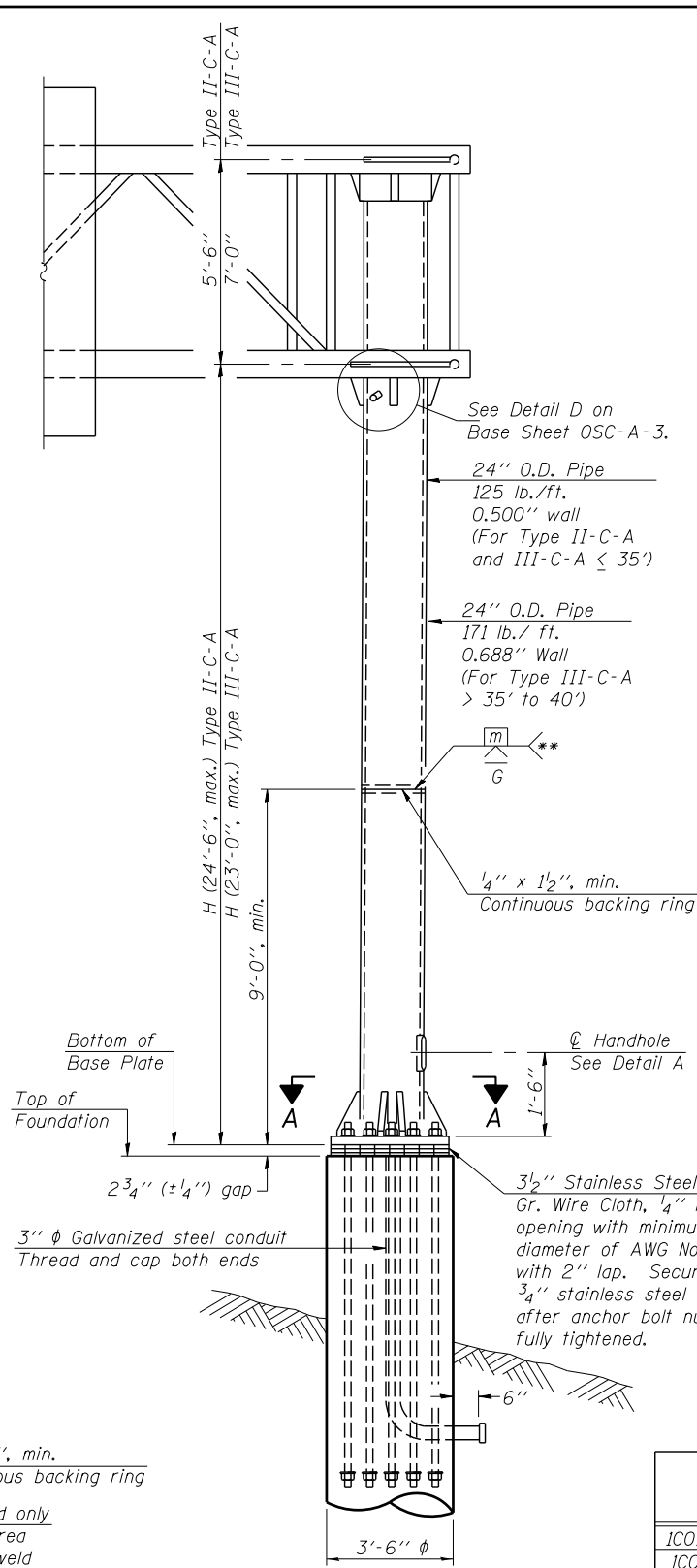
SECTION A-A



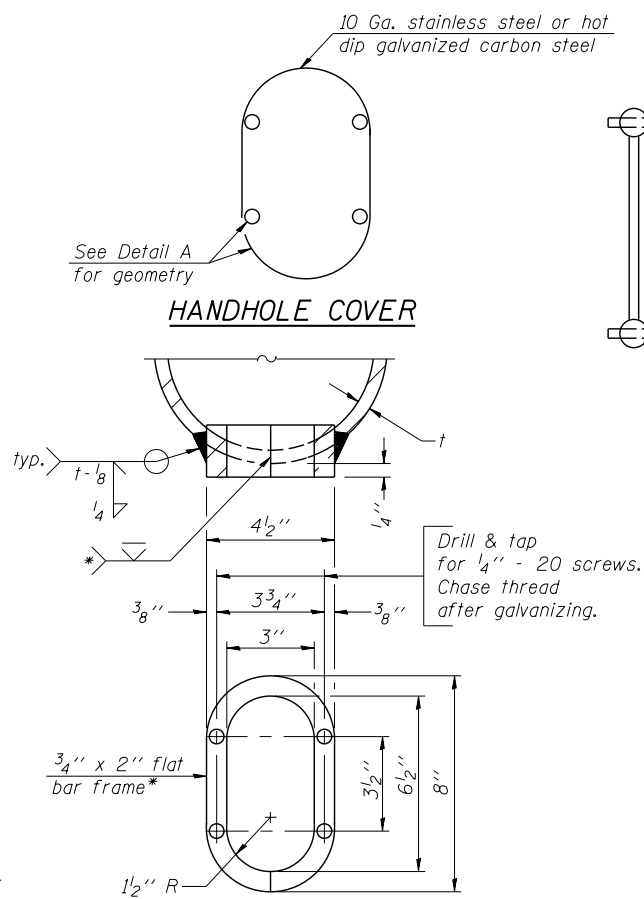
SECTION B-B



DETAIL B
(Typical rib)



FRONT ELEVATION
For Foundation Details
see Base Sheet OSC-A-9.



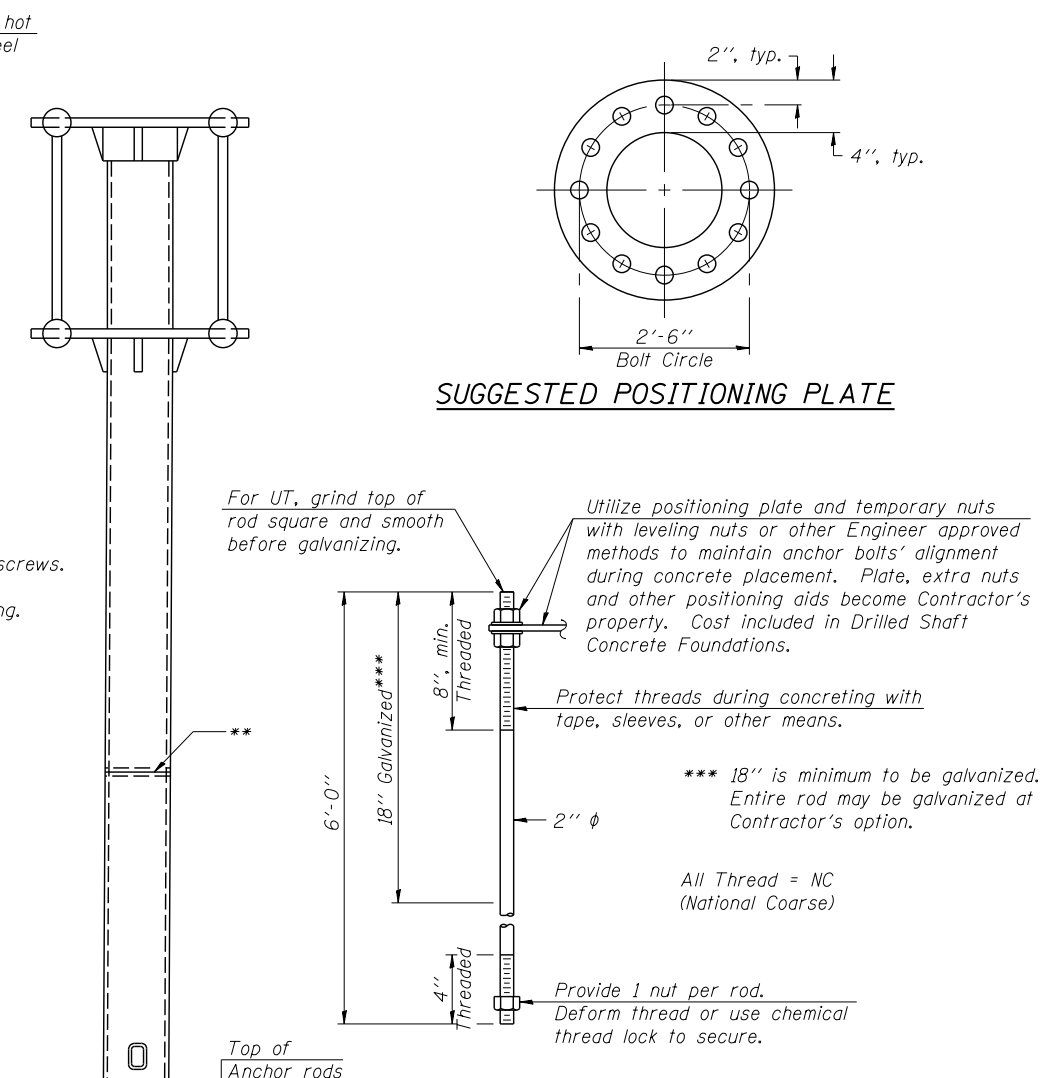
DETAIL A

* Bent bars may be butt welded top and bottom or bottom only. In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 μ m or less.

** Butt welded joint in post is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Structure Number	Station	H
1C016U041R000.0-004	1096+29.26	17'-9 1/4"
1C016U041L000.0-002	2140+14.33	19'-1 1/4"
1C016U041L000.0-001	2131+80.98	19'-0 3/4"

Note: "H" based on 15'-0" or actual sign height, whichever is greater.



ANCHOR ROD DETAIL

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize the upper 18" (minimum) and associated AASHTO M291, Grade A, C or DH heavy hex nuts and hardened washers per AASHTO M232. No welding shall be permitted on rods. Provide a nut at bottom, a hexagon locknut and washer above base plate and a leveling nut and washer below base plate. Nuts shall each be tightened with 200 lb.-ft. minimum torque against base plate. Before or after threading, but before galvanizing, each anchor rod shall be ultrasonically tested (UT) by a Level II or III Inspector, qualified in accord with ANSI guidelines, to insure no rejectable flaws exist in the upper 18" (tension criteria). Cost of testing included in Drilled Shaft Concrete Foundations.

SIDE ELEVATION

OSC-A-5

6-1-12



USER NAME = auyeungh	DESIGNED - VP	REVISED -
PLOT SCALE =	CHECKED - ATB	REVISED -
PLOT DATE = 11/19/2014	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

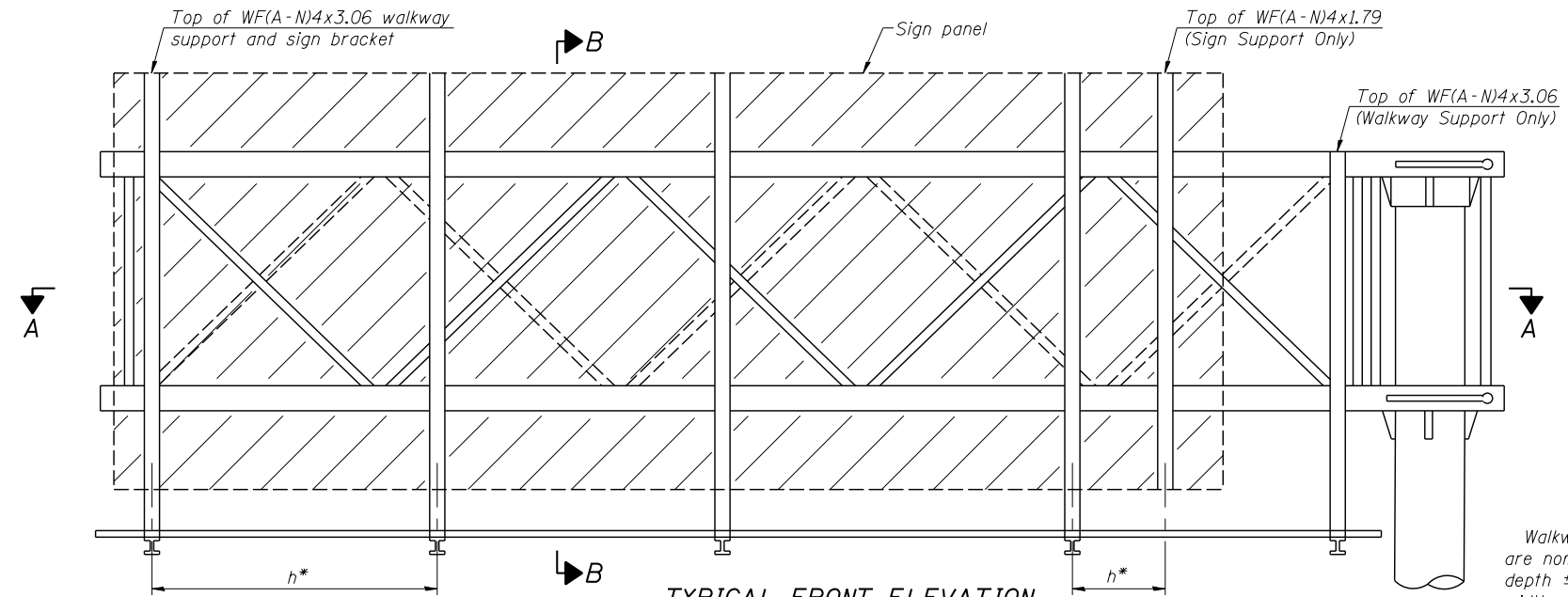
CANTILEVER SIGN STRUCTURES - TYPE II-C-A & III-C-A
TRUSS SUPPORT POST - ALUMINUM TRUSS & STEEL POST

SHEET NO. 6 OF 20 SHEETS

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60L70				

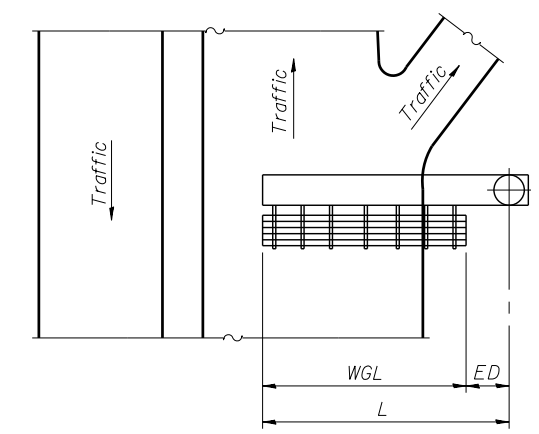
ILLINOIS FED. AID PROJECT

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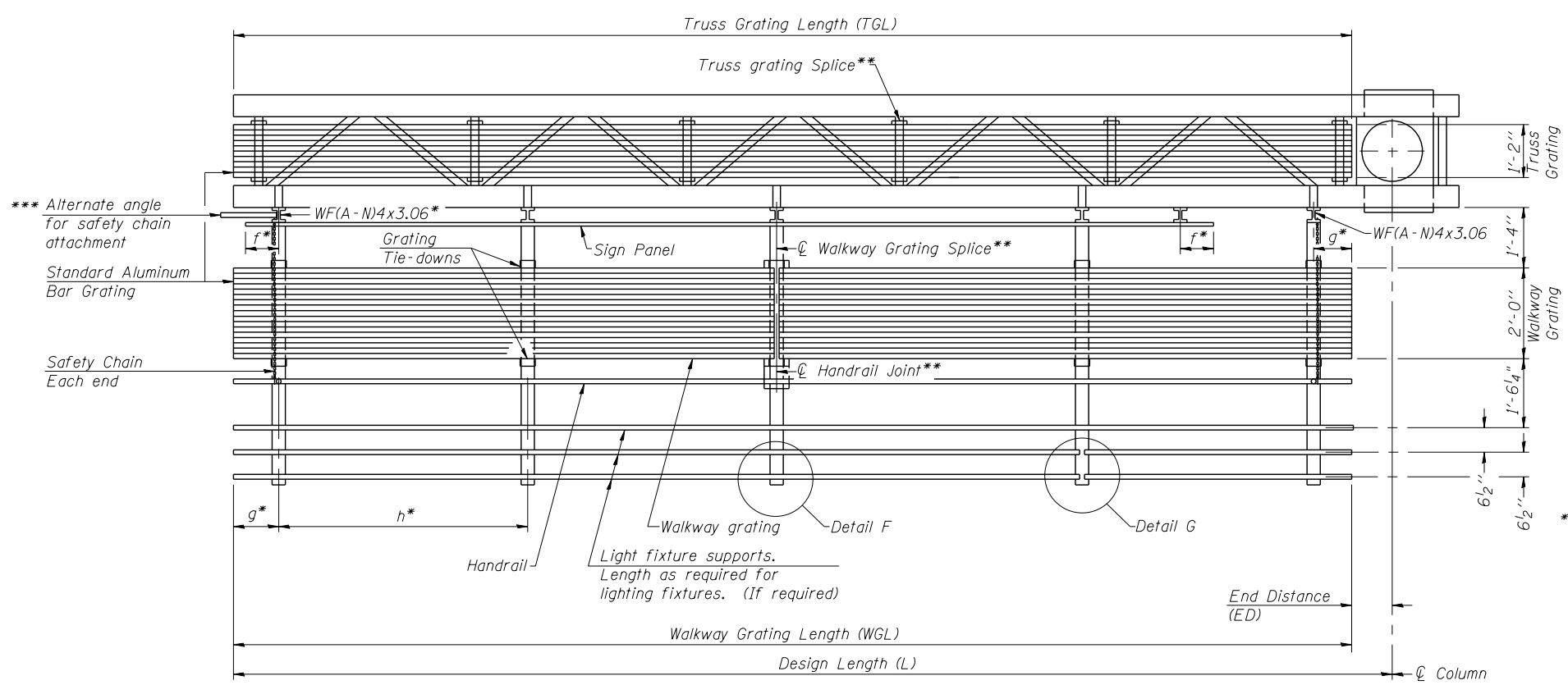


TYPICAL FRONT ELEVATION
With lights and handrail omitted for clarity.

Walkway and truss grating dimensions are nominal and may vary (width ±1/2", depth ±1/2") based on available standard widths.



PLAN WALKWAY AND HANDRAIL SKETCH
(Road plan beneath truss varies)



SECTION A-A

Truss grating to facilitate inspection shall run full length of cantilevers. Cost of truss grating is included in Overhead Sign Structure Cantilever.

Handrail and walkway grating shall span a minimum of three brackets between splices.
** Use and location of handrail joints or grating splices are optional, based on lengths needed and material availability.

$$TGL = L - \left(\frac{\text{Post O.D.}}{2} + 6'' \right)$$

Structure Number	Station	WGL	ED	TGL
1C016U041R000.0-003	1090+60.50	-	-	20'-0 1/2"
1C016U041R000.0-004	1096+29.26	-	-	27'-3"
1C016U041L000.0-002	2140+14.33	-	-	27'-0"
1C016U041L000.0-001	2131+80.98	-	-	37'-3"

Notes:
* Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:

f = 12" maximum, 4" minimum (End of sign to center of nearest bracket)
g = 12" maximum, 4" minimum (End of walkway to center of nearest bracket)
h = 6'-0" maximum (center to center sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)
*** If walkway bracket at safety chain location is behind sign, add angle to bracket. See alternate safety chain attachment on base sheet OSC-A-8.

For details of sign placement, sign/walkway brackets, truss and walkway gratings, grating splices and Section B-B, see Base Sheet OSC-A-7.
For details of handrail, handrail joint, safety chain and Details F and G, see Base Sheet OSC-A-8.

BRACKET TABLE

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

WALKWAY: Walkway grating, walkway brackets, handrails, lighting and associated components shown in these plans on the traffic side of the sign structure/sign panel will not be installed with Contract 60L70. The truss grating and maintenance walkway behind the sign panel will be included with this pay item.

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OSC-A-6

6-1-12



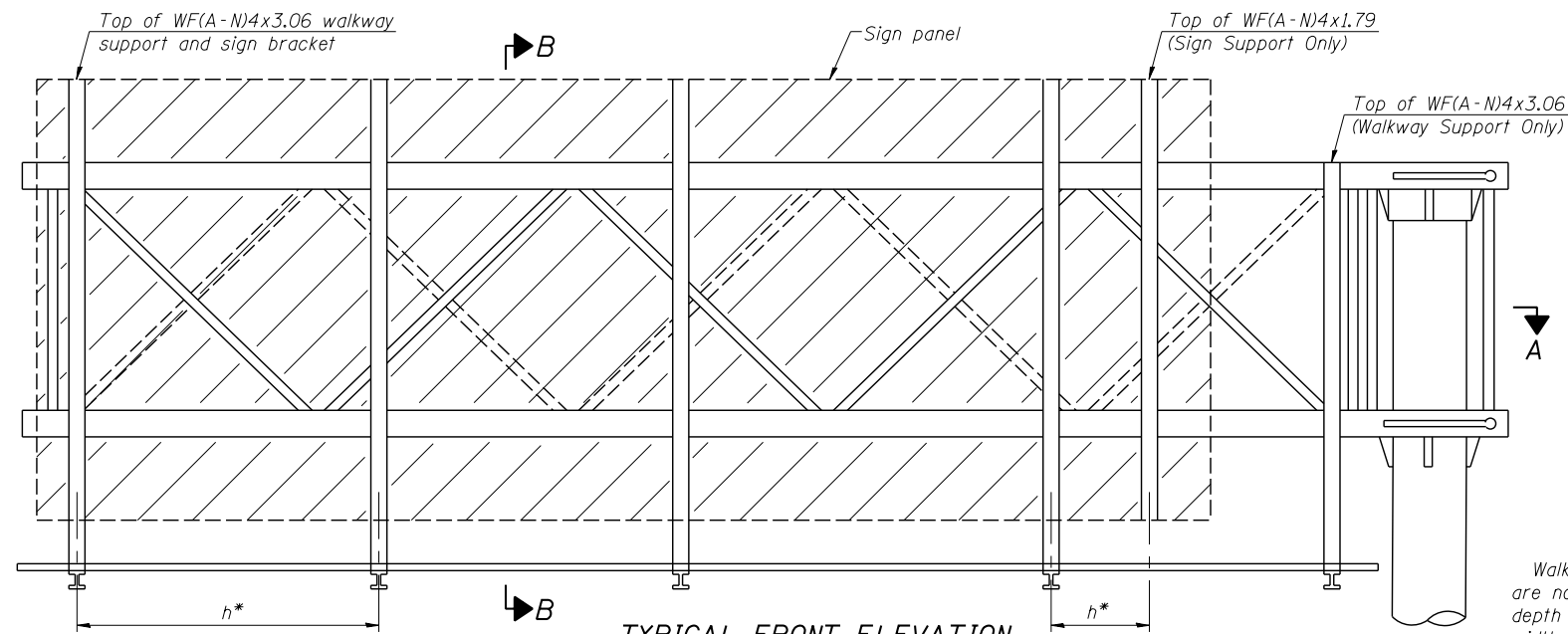
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PLOT SCALE =	CHECKED - ATB	REVISED -
PLOT DATE = 11/19/2014	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

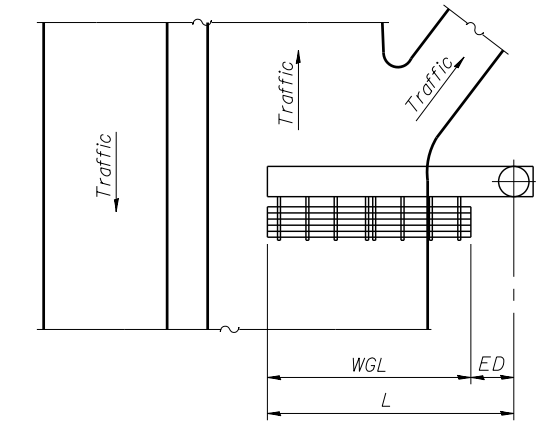
**CANTILEVER SIGN STRUCTURES - ALUMINUM WALKWAY
DETAILS - ALUMINUM TRUSS & STEEL POST**

SHEET NO. 7 OF 20 SHEETS

F.A.I. RTE. = 55	SECTION = 2010-080-B	COUNTY = COOK	TOTAL SHEETS = 886	SHEET NO. = 236
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

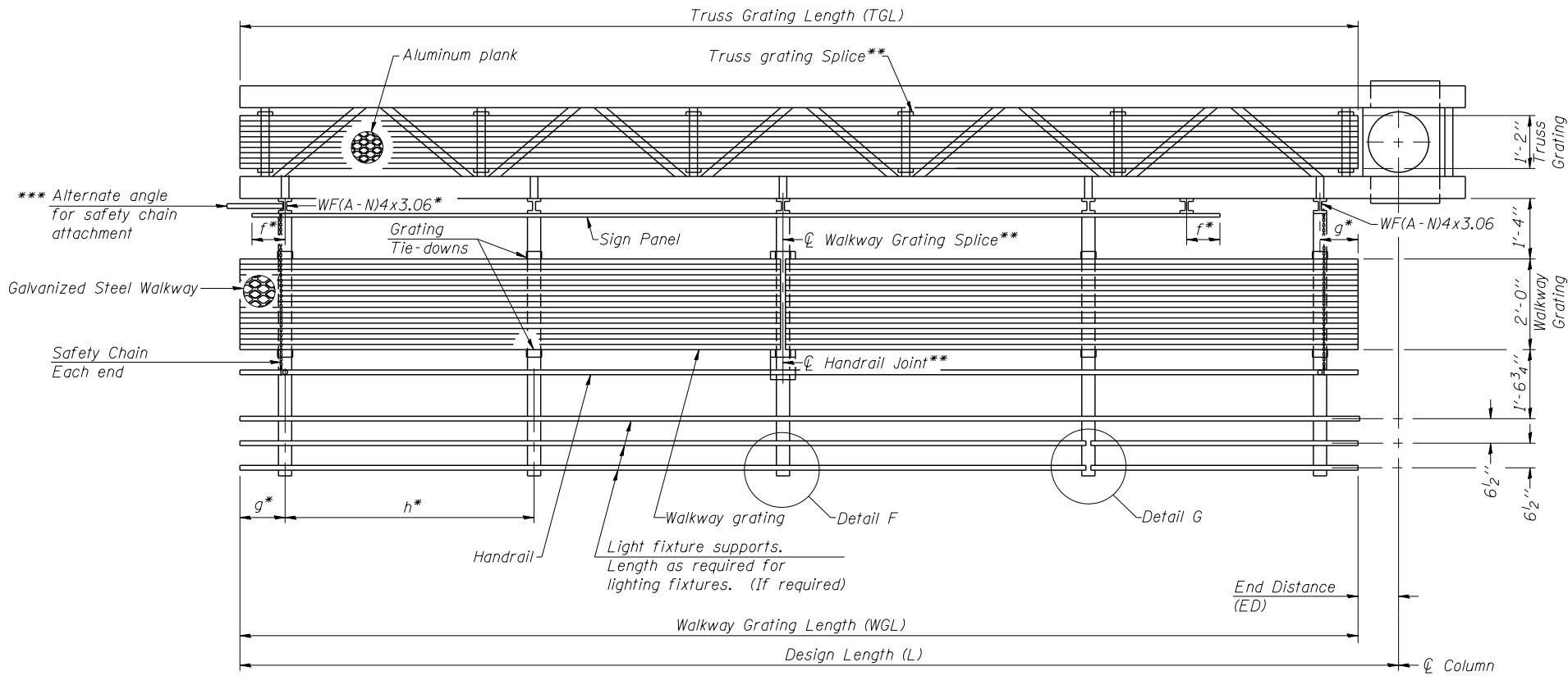


TYPICAL FRONT ELEVATION
With lights and handrail omitted for clarity.



PLAN WALKWAY AND HANDRAIL SKETCH
(Road plan beneath truss varies)

Walkway and truss grating dimensions are nominal and may vary (width ±1/2", depth ±1/2") based on available standard widths.



SECTION A-A

Truss grating to facilitate inspection shall run full length of cantilevers. Cost of truss grating is included in Overhead Sign Structure Cantilever.

Handrail and walkway grating shall span a minimum of three brackets between splices.
** Use and location of handrail joints or grating splices are optional, based on lengths needed and material availability.

$$TGL = L - \left(\frac{\text{Post O.D.}}{2} + 6'' \right)$$

Structure Number	Station	WGL	ED	TGL
1CO16U041R000.0-003	1090+60.50	-	-	20'-0 1/2"
1CO16U041R000.0-004	1096+29.26	-	-	27'-3"
1CO16U041L000.0-002	2140+14.33	-	-	27'-0"
1CO16U041L000.0-001	2131+80.98	-	-	37'-3"

Notes:
 * Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:
 f = 12" maximum, 4" minimum (End of sign to center of nearest bracket)
 g = 12" maximum, 4" minimum (End of walkway to center of nearest bracket)
 h = 6'-0" maximum (center to center sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)
 *** If walkway bracket at safety chain location is behind sign, add angle to bracket. See alternate safety chain attachment on base sheet OSC-A-8.
 For details of sign placement, sign/walkway brackets, truss and walkway gratings, grating splices and Section B-B, see Base Sheet OSC-A-7S.
 For details of handrail, handrail joint, safety chain and Details F and G, see Base Sheet OSC-A-8.

BRACKET TABLE

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

WALKWAY: Walkway grating, walkway brackets, handrails, lighting and associated components shown in these plans on the traffic side of the sign structure/sign panel will not be installed with Contract 60L70. The truss grating and maintenance walkway behind the sign panel will be included with this pay item.

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OSC-A-6S

6-1-12



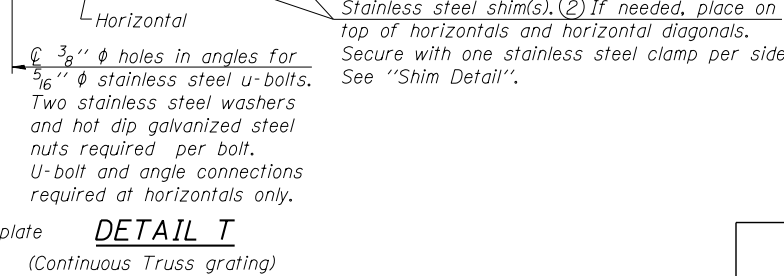
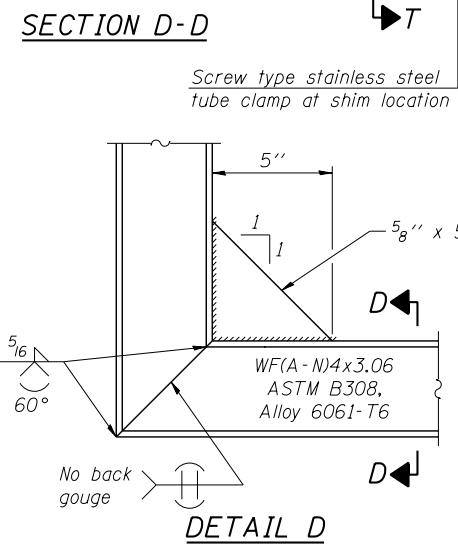
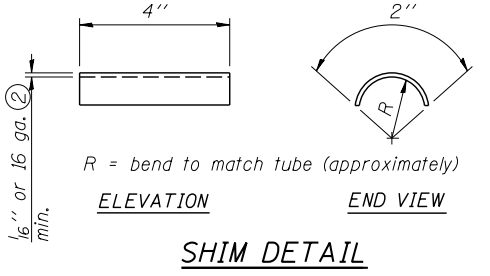
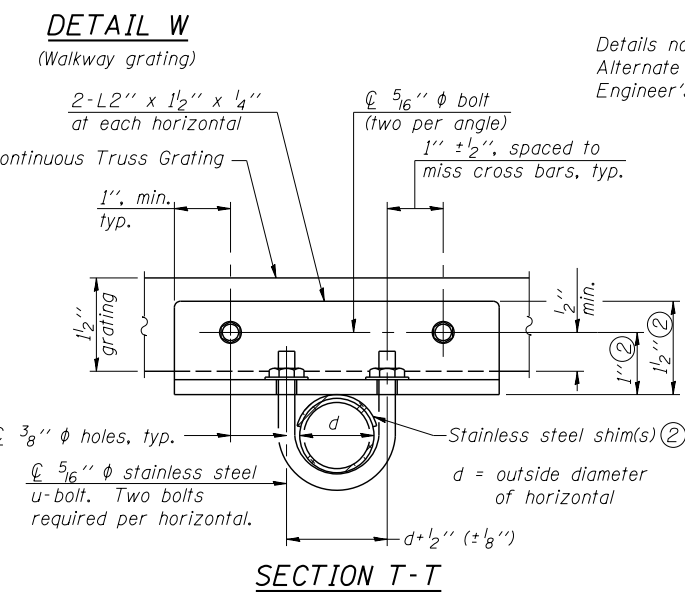
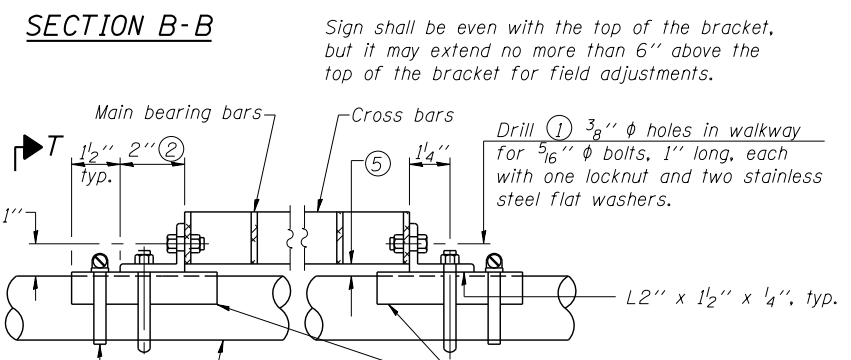
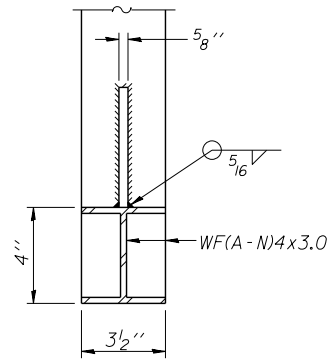
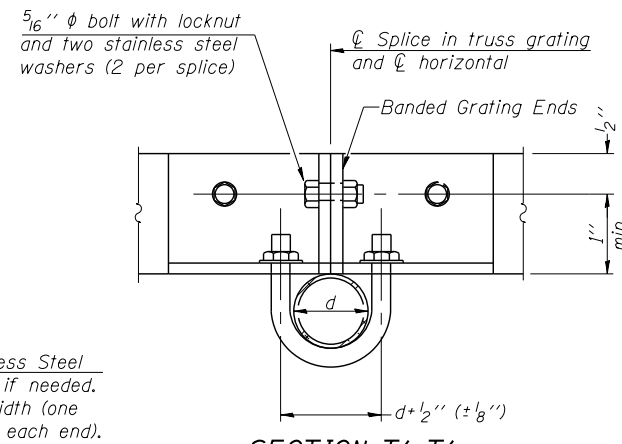
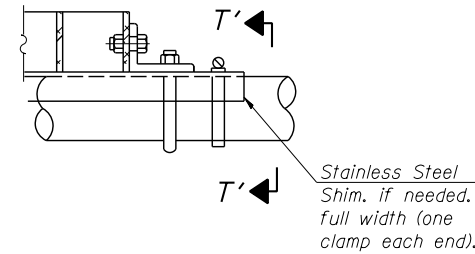
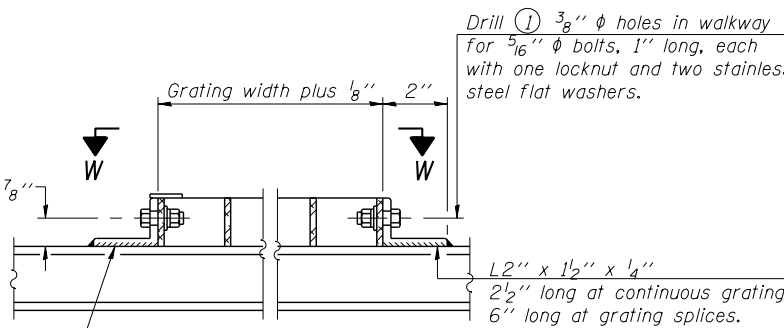
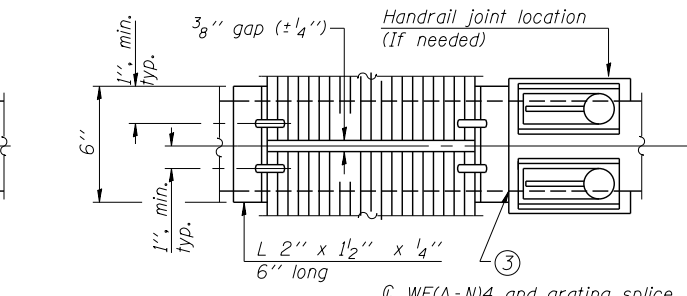
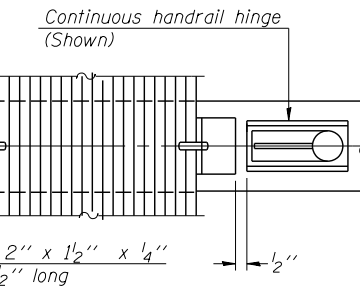
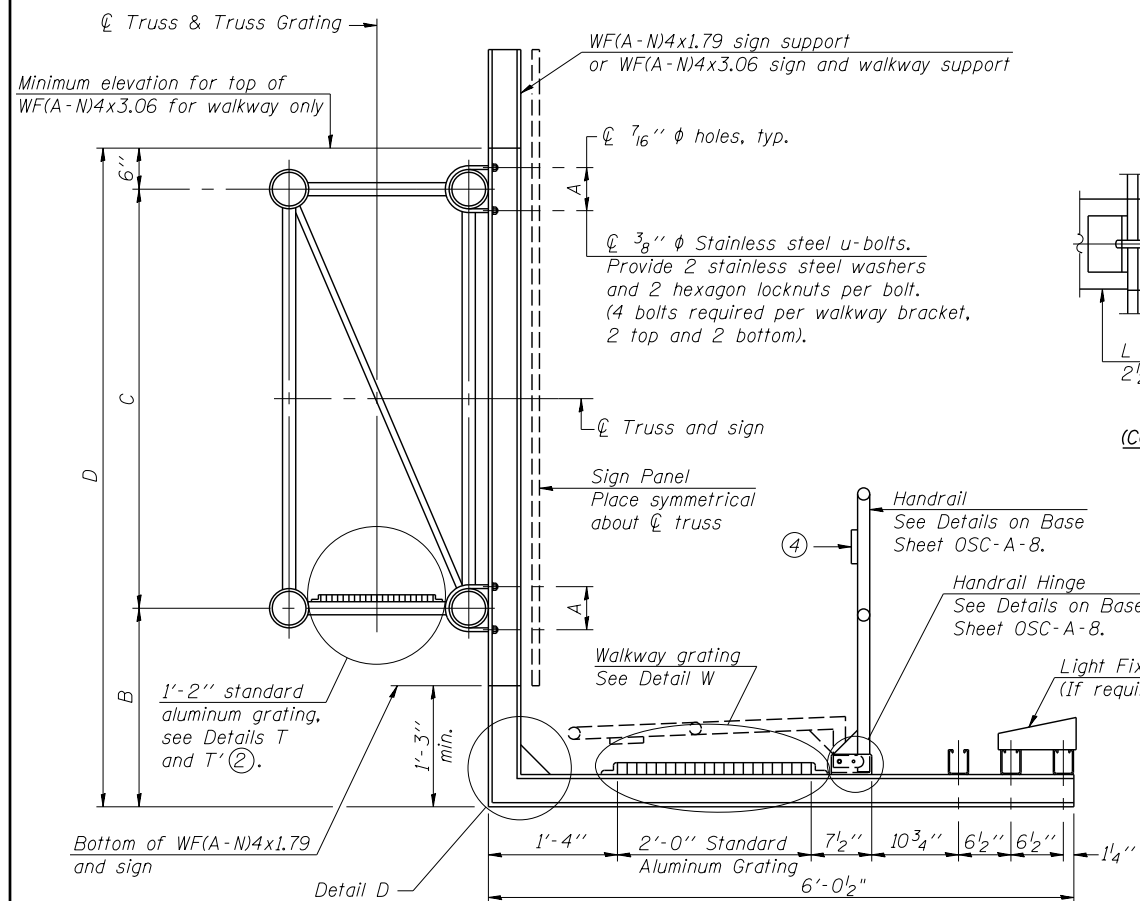
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PLOT DATE = 11/19/2014	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CANTILEVER SIGN STRUCTURES - ALTERNATE STEEL
WALKWAY DETAILS - ALUMINUM TRUSS & STEEL POST**

SHEET NO. 8 OF 20 SHEETS

F.A.I. RTE. = 55	SECTION = 2010-080-B	COUNTY = COOK	TOTAL SHEETS = 886	SHEET NO. = 237
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				



SPECIFICATIONS FOR STANDARD ALUMINUM GRATING
 Main Bearing Bars (MBB) shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B211 Alloy 6061-T6.
 Cross bars (CB) shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR
 Aluminum Grating with modified "t" sections for main bearing bars shall meet the following requirements:
 Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³ per bar, a depth of 1 1/2", spaced on 1 3/16" centers.
 Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

- ① Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- ② Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.
- ③ If Handrail Joint present, weld angle to WF(A-N)4 and 1/4" extension bars. (See Base Sheet OSC-A-8.)
- ④ 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.
- ⑤ Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.
- ⑥ Based on actual sign height, D_s, given on OSC-A-1.

WALKWAY: Walkway grating, walkway brackets, handrails, lighting and associated components shown in these plans on the traffic side of the sign structure/sign panel will not be installed with Contract 60L70. The truss grating and maintenance walkway behind the sign panel will be included with this pay item.

Structure Number	Station	A	⑥ B	C	⑥ D
1C016U041R000.0-004	1090+60.50	-	-	-	-
1C016I055R000.0-003	1096+29.26	-	-	-	-
1C016U041L000.0-001	2140+14.33	-	-	-	-
1C016U041L000.0-002	2131+80.98	-	-	-	-

709_0160000_60L70_SIGN_1.dgn

OSC-A-7

6-1-12



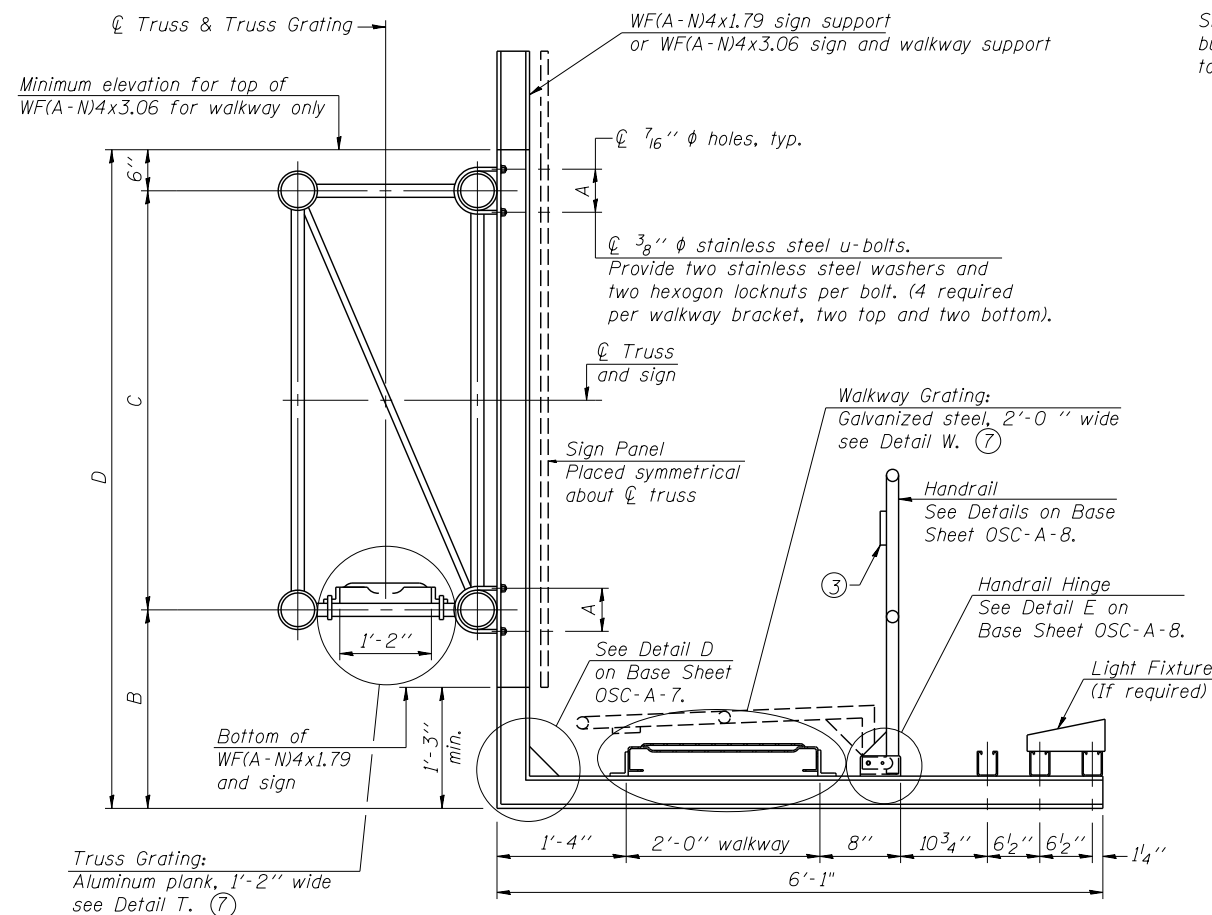
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PLOT SCALE =	CHECKED - ATB	REVISED -
PLOT DATE = 11/19/2014	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

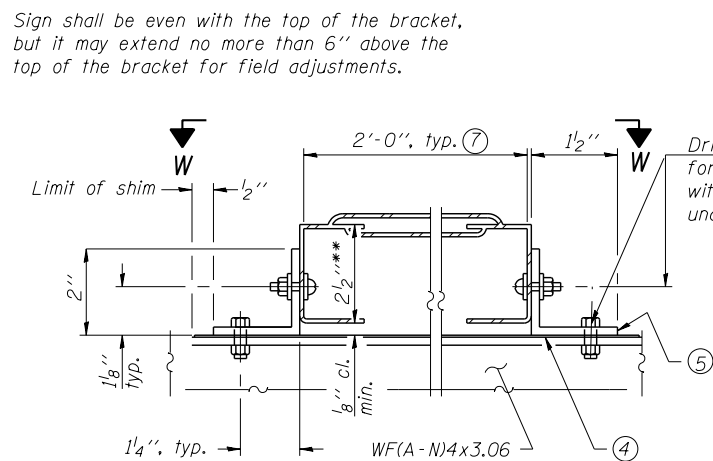
CANTILEVER SIGN STRUCTURES - WALKWAY DETAILS
 ALUMINUM TRUSS & STEEL POST

SHEET NO. 9 OF 20 SHEETS

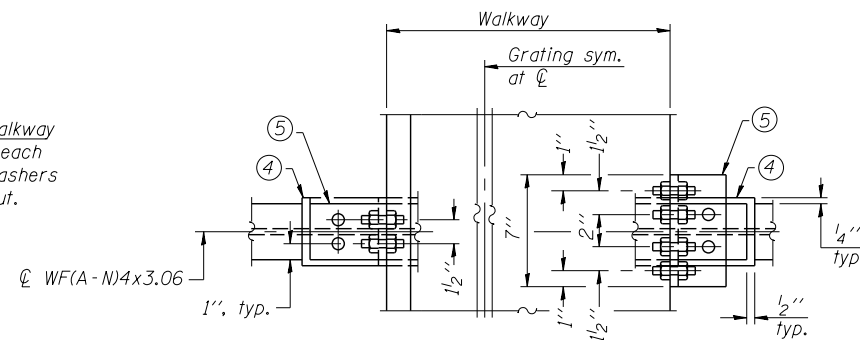
F.A.I. RTE. 55	SECTION 2010-080-B	COUNTY COOK	TOTAL SHEETS 886	SHEET NO. 238
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				



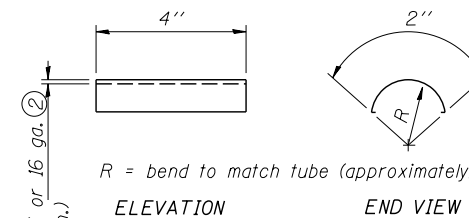
SECTION B-B



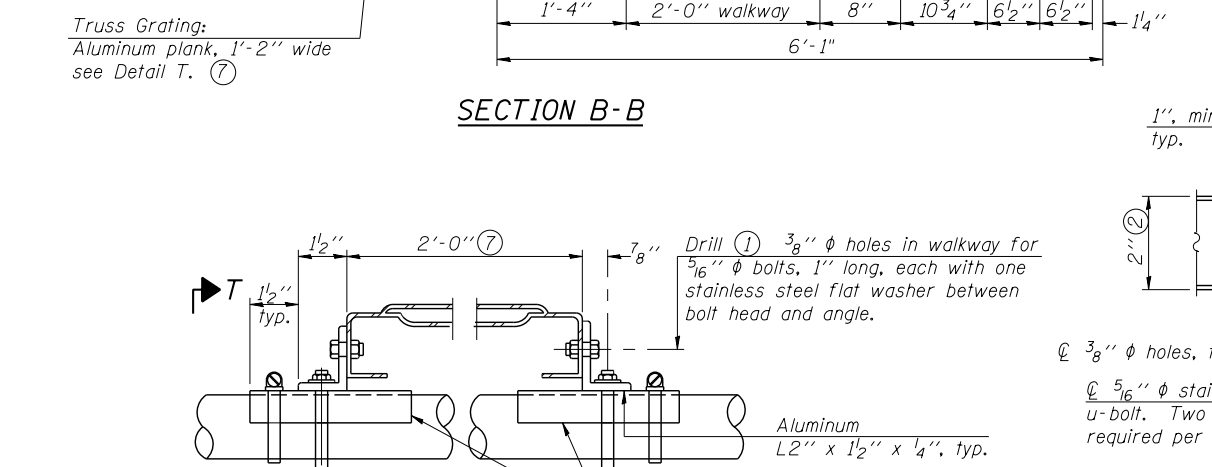
DETAIL W
GALVANIZED STEEL WALKWAY GRATING



SECTION W-W

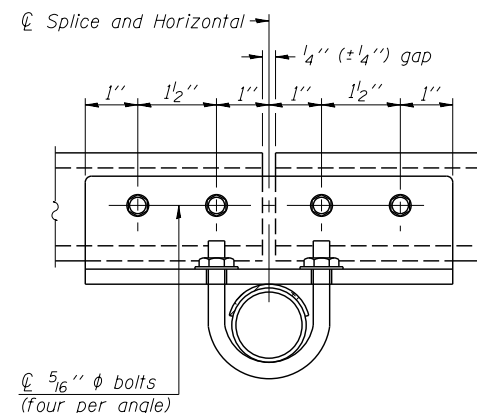


SHIM DETAIL



SECTION T-T
(Truss Grating Continuous)

ALUMINUM TRUSS GRATING



SECTION T-T
(Truss Grating Splice)

Alternate splice details and locations may be used subject to the Engineer's review and approval.

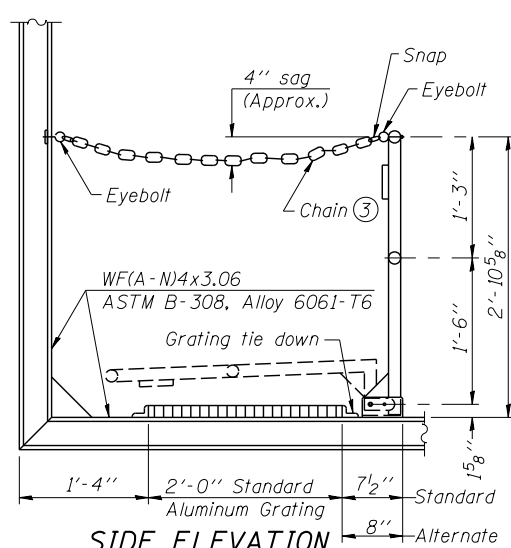


DETAIL T
(Truss grating at horizontal)

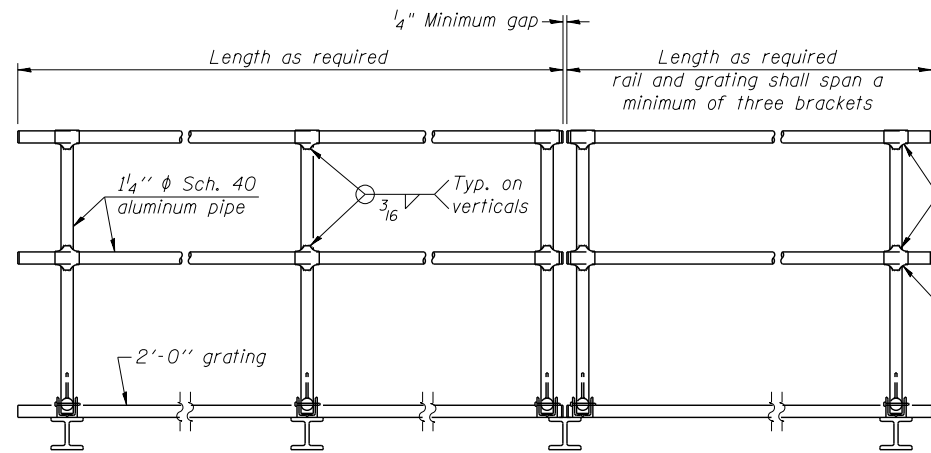
- 1 Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- 2 Stainless steel shims shall be placed under angles at horizontals and horizontal diagonals if needed to compensate for alignment variations and differences in horizontal diagonal pipe sizes beyond adjustment provided by angles. Secure with one stainless steel clamp per location, see "Shim Detail". Thicker shim plates may be used when needed subject to shims performing properly.
- 3 $R \frac{1}{8}'' \times \frac{1}{2}'' \times 2''$ welded to handrail posts to protect locations that contact grating.
- 4 $\frac{1}{16}''$ (or 16 ga.) $\times 2\frac{1}{2}'' \times 4''$ stainless steel shim adhered to top of WF(A-N)4x3.06 beneath each galvanized angle, typ. Adhesives for shims shall be suitable for materials joined and full exposure conditions.
- 5 Galvanized steel $L2'' \times 2'' \times \frac{1}{4}''$, $3\frac{1}{2}''$ long with continuous grating $7''$ long at grating splice.
- 6 Details shown are considered equal alternatives to Aluminum Walkway Details and may be substituted by Contractor at no charge in contract cost.
- 7 Perforated or expanded metal grating providing a skid resistant (non-serrated) surface and capable of supporting a 500 pound concentrated load with a $6'-0''$ clear span. Walkway and truss grating dimensions are nominal and may vary (width $\pm \frac{1}{2}''$, depth $\frac{1}{2}''$) based on available standard sizes. Cut ends of grating shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.
- 8 Based on actual sign height, Ds, given on OSC-A-1.

WALKWAY: Walkway grating, walkway brackets, handrails, lighting and associated components shown in these plans on the traffic side of the sign structure/sign panel will not be installed with Contract 60L70. The truss grating and maintenance walkway behind the sign panel will be included with this pay item.

Structure Number	Station	A	8 B	C	8 D
IC016U041R000.0-004	1090+60.50	-	-	-	-
IC016I055R000.0-003	1096+29.26	-	-	-	-
IC016U041L000.0-001	2140+14.33	-	-	-	-
IC016U041L000.0-002	2131+80.98	-	-	-	-



SIDE ELEVATION
(Showing Safety Chain W/O Sign)

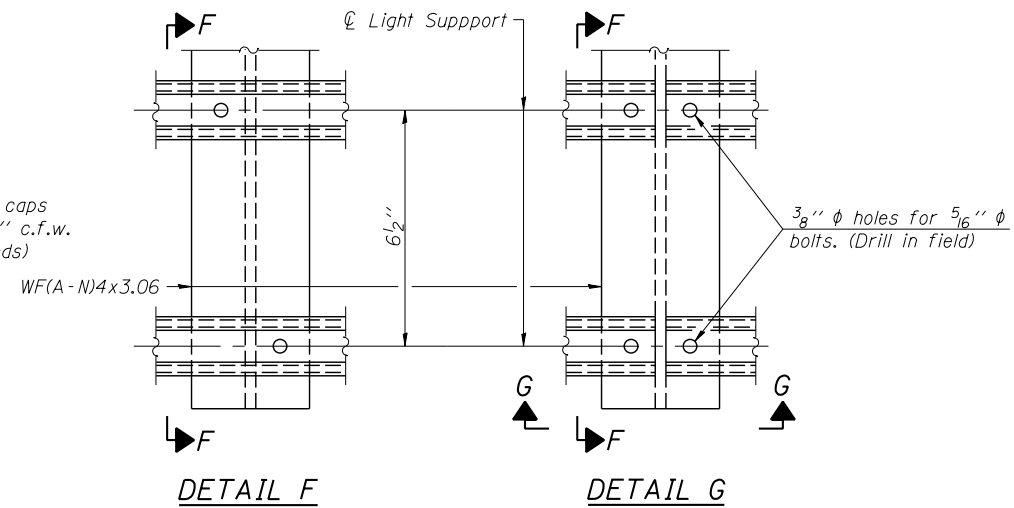


FRONT ELEVATION

HANDRAIL DETAILS

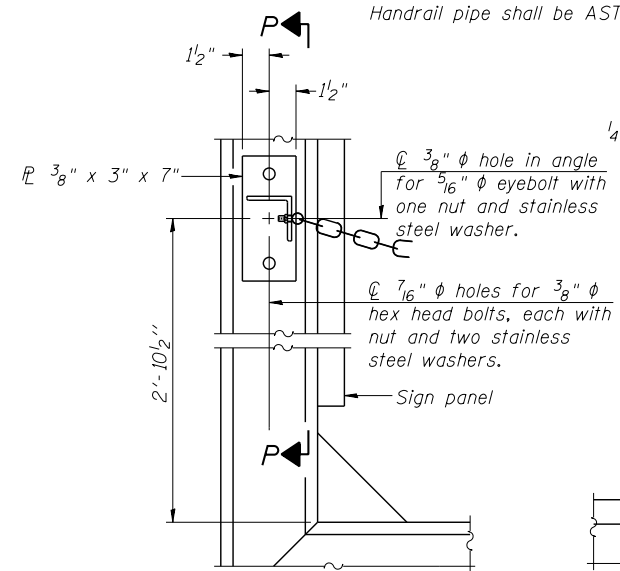
Handrail pipe shall be ASTM B241 or B429, Alloy 6063-T6 or Alloy 6061-T6.

- ① Install standard force-fit end caps or weld 1/8" end plates with 1/8" c.f.w. and grind smooth. (All rail ends)
- ② Horizontal handrail member shall be continuous thru fitting. Provide 7/16" hole in fitting for 3/8" bolt. Field drill 7/16" hole in horizontal rail member. Provide locknut and two stainless steel washers for bolt. (Use 5/16" eyebolts in 7/16" holes on top rail at ends only.)



DETAIL F

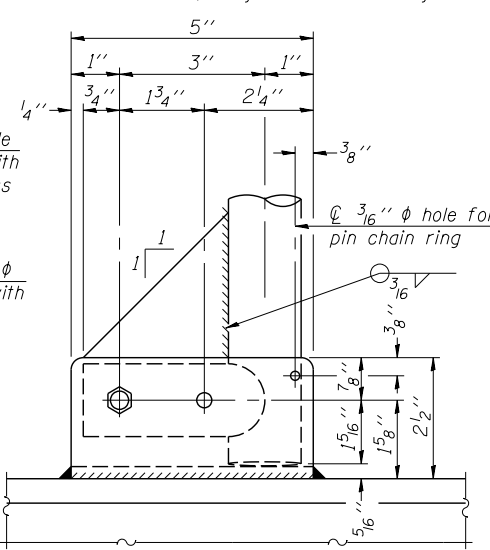
DETAIL G



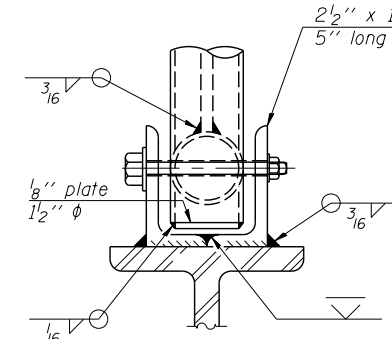
ALTERNATE SAFETY CHAIN ATTACHMENT

(With Sign Present)

Items not shown same as "Side Elevation" of "Handrail Details"



SIDE ELEVATION

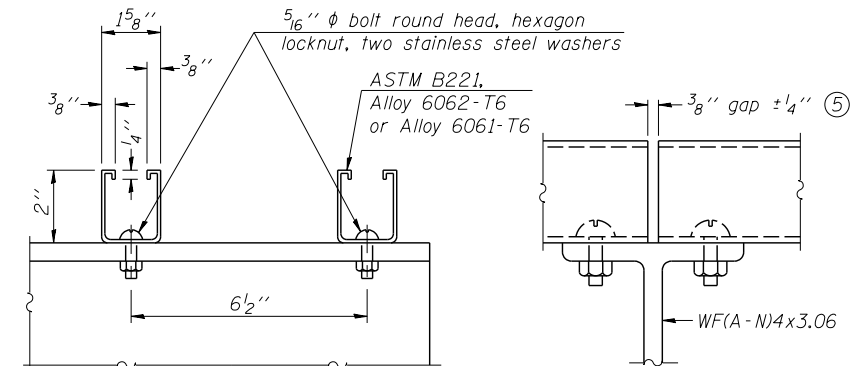


FRONT ELEVATION

Details not shown same as "ELEVATION" at right.

ELEVATION AT HANDRAIL JOINT ④

Details not shown same as "FRONT ELEVATION"

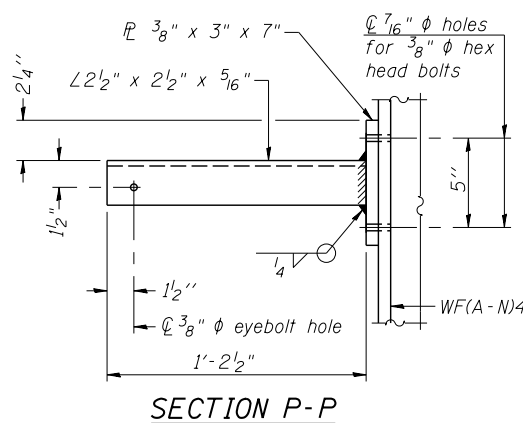


SECTION F-F

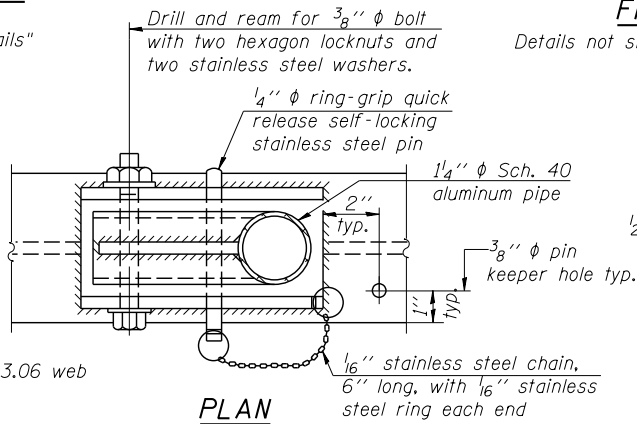
SECTION G-G

LIGHTING FIXTURE MOUNTS (IF REQUIRED)

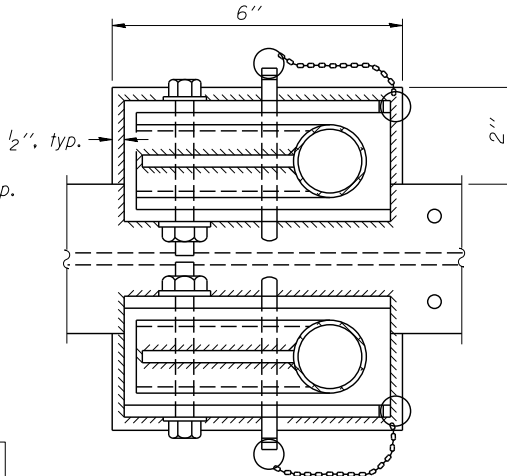
- ⑤ Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.



SECTION P-P

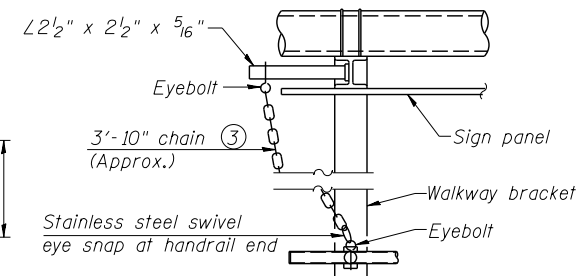


DETAIL E HANDRAIL HINGE



PLAN AT HANDRAIL JOINT

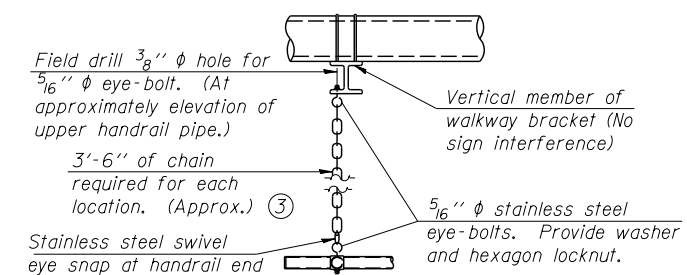
Details not shown same as "PLAN"



ALTERNATE SAFETY CHAIN ATTACHMENT

Details not shown similar to "Safety Chain" Details (Walkway omitted for clarity)

- ③ 3/16" Type 304L stainless steel chain, approximately 12 links per foot.
- ④ Extrusions may be used in lieu of the details shown, with approval of the Engineer.



SAFETY CHAIN

One required for each end of each walkway.

WALKWAY: Walkway grating, walkway brackets, handrails, lighting and associated components shown in these plans on the traffic side of the sign structure/sign panel will not be installed with Contract 60L70. The truss grating and maintenance walkway behind the sign panel will be included with this pay item.

711-016000_60L70_51GN_1.dgn

OSC-A-8

6-1-12



USER NAME = auyeungh	DESIGNED - VP	REVISED -
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PLOT DATE = 11/19/2014	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

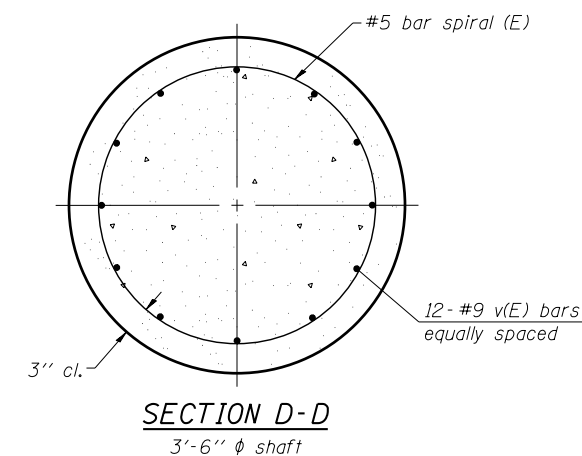
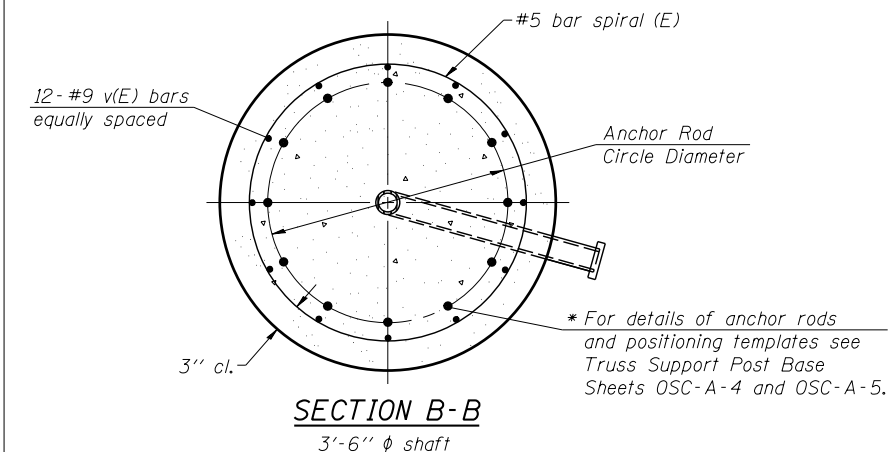
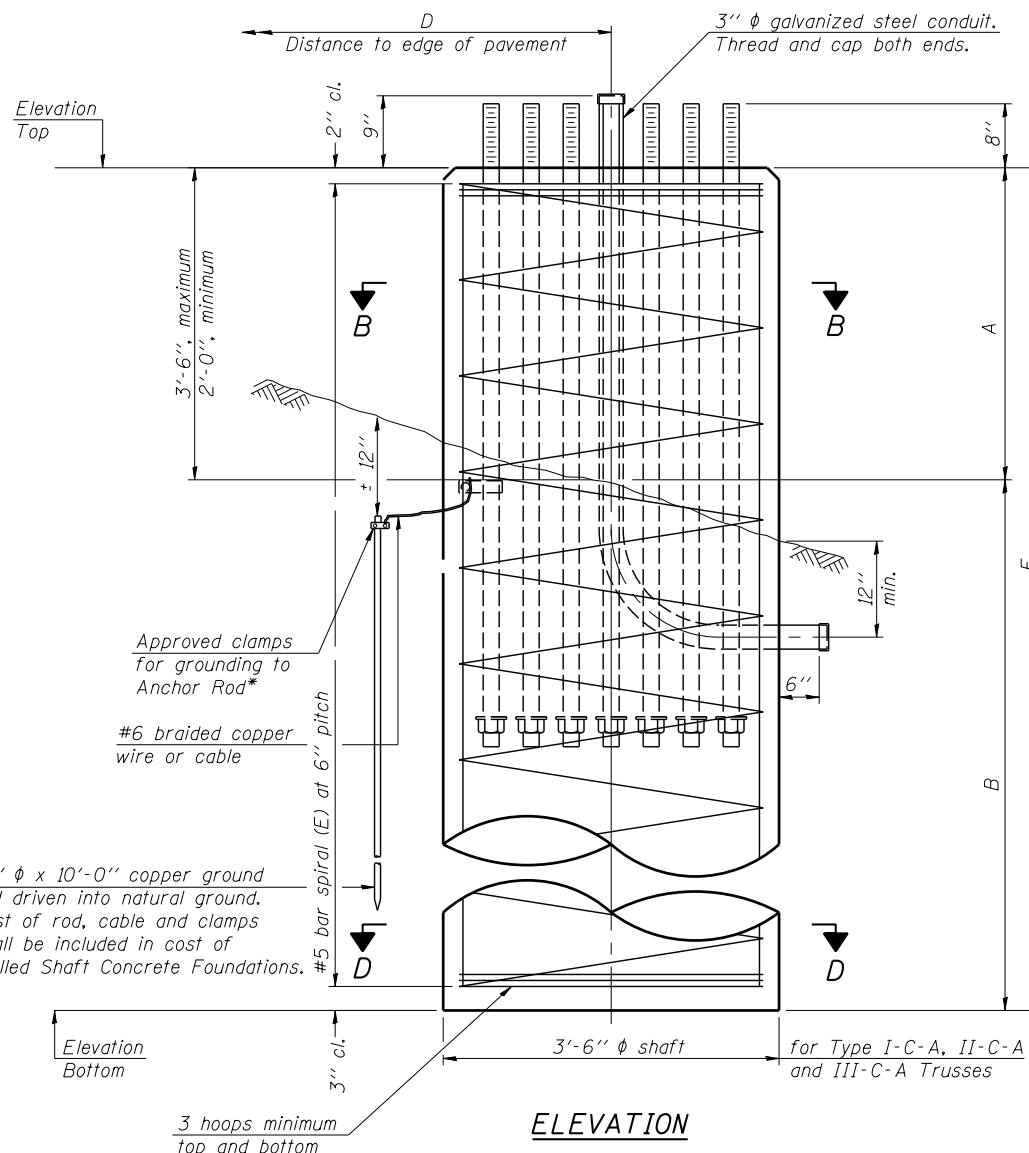
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - HANDRAIL DETAILS
ALUMINUM TRUSS & STEEL POST

SHEET NO. 11 OF 20 SHEETS

F.A.I. RE. 55	SECTION 2010-080-B	COUNTY COOK	TOTAL SHEETS 886	SHEET NO. 240
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

* Grind anchor rod to bright finish at ground clamp location before installing clamp.



Truss Type	Post Base Sheet	Maximum Cantilever Length (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (in)	"B" Depth (ft)	Anchor Rods		Anchor Rod Circle Diameter (in)
						No.	Diameter (in)	
I-C-A	OSC-A-4	25	170	3.0	16.0	8	2	22
II-C-A	OSC-A-5	30	170	3.5	17.0	12	2	30
II-C-A	OSC-A-5	30	340	3.5	21.5	12	2	30
III-C-A	OSC-A-5	35	170	3.5	19.0	12	2	30
III-C-A	OSC-A-5	35	250	3.5	22.5	12	2	30
III-C-A	OSC-A-5	35	400	3.5	26.5	12	2	30
III-C-A	OSC-A-5	40	400	3.5	32.0	12	2	30

Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Qu	A	B	F	Class DS Concrete Cubic Yards
1C016U041R000.0-003	1090+60.50	I-C-A	3'-6"	594.40	561.90	-	2'-6"	30'-0"	32'-6"	11.6
1C016U041R000.0-004	1096+29.26	II-C-A	3'-6"	594.65	562.15	-	2'-6"	30'-0"	32'-6"	11.6
1C016U041L000.0-002	2140+14.33	II-C-A	3'-6"	598.30	562.05	-	2'-6"	33'-9"	36'-3"	12.9
1C016U041L000.0-001	2131+80.98	III-C-A	3'-6"	602.20	567.20	-	2'-6"	32'-6"	35'-0"	12.5

NOTES:

The foundation dimensions shown in the Foundation Design Table are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown in the Foundation Data Table will be the result of site specific designs.

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

OSC-A-9

8-21-13



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PLOT DATE = 11/19/2014	CHECKED - CLS	REVISED -

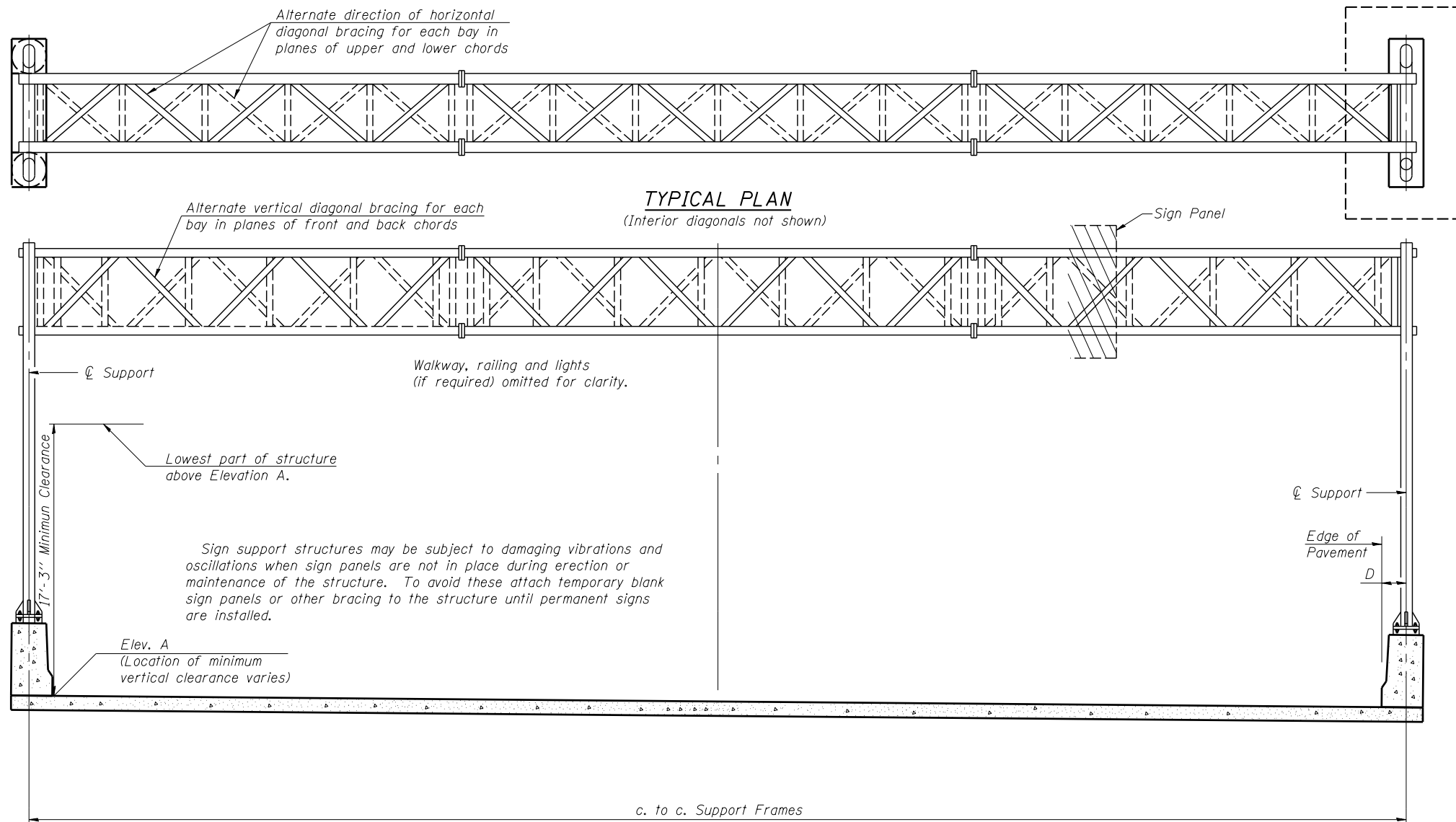
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - DRILLED SHAFT
ALUMINUM TRUSS & STEEL POST

SHEET NO. 12 OF 20 SHEETS

F.A.I. RTE. 55	SECTION 2010-080-B	COUNTY COOK	TOTAL SHEETS 886	SHEET NO. 241
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

712_0160000_60L70_SIGN 1.dgn



TYPICAL ELEVATION
(Looking at Face of Signs)**

Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

Structure Number	Station	Design Truss Type	c. to c. Supports	Elev. A	Dim. D	Height of Tallest Sign	Total Sign Area
ISO161055L293.8-000	93+12.00	I-A	71'-4 1/4"	627.14	1'-8 1/8"	12'-6"	465.50 Sq.Ft.

WALKWAY: Walkway grating, walkway brackets, handrails, lighting and associated components shown in these plans on the traffic side of the sign structure/sign panel will not be installed with Contract 60L70. The truss grating and maintenance walkway behind the sign panel will be included with this pay item.

**Looking upstation for structures with signs both sides.

* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:
Field Units
F_c = 3,500 p.s.i.
f_y = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specifications.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer. The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

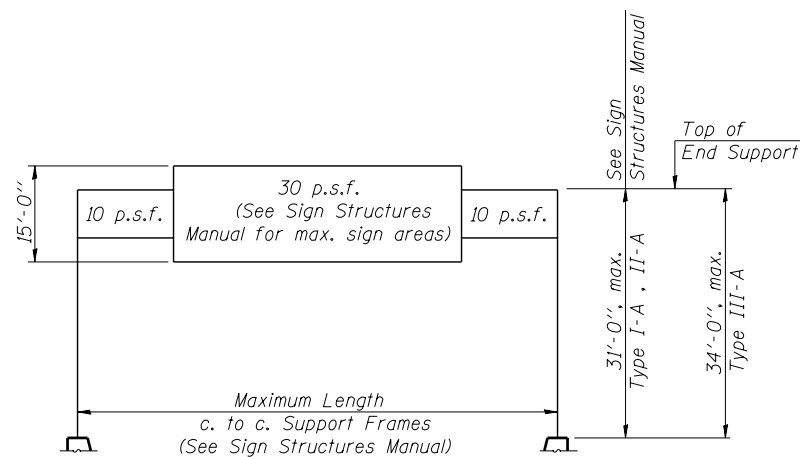
GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The contract unit price for Concrete Foundations and Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.



DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards and Sign Manual Tables. Installations not within dimensional limits shown require special analysis for all components.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE SPAN TYPE I-A	Foot	72

OS-A-1

8-21-13



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PLOT SCALE =	CHECKED - ATB	REVISED -
PLOT DATE = 11/19/2014	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

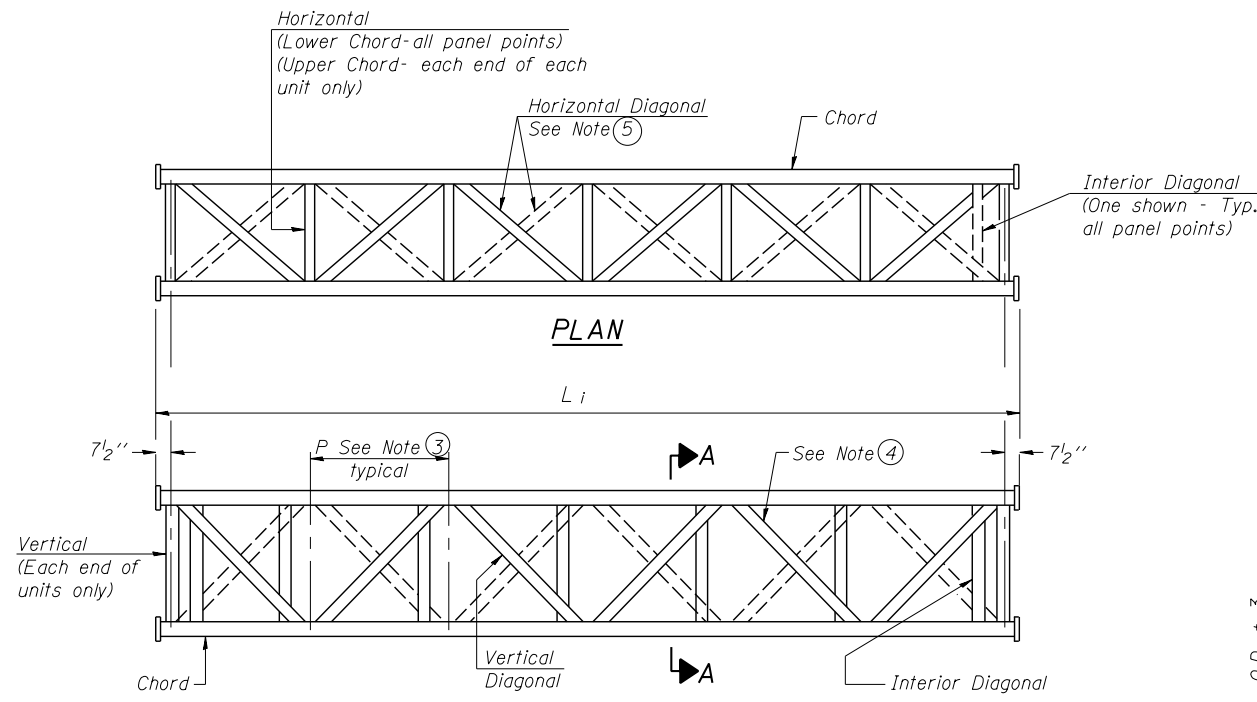
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES - GENERAL PLAN & ELEVATION
I-55 & LAKE SHORE DRIVE INTERCHANGE (OUTBOUND STRUCTURES)

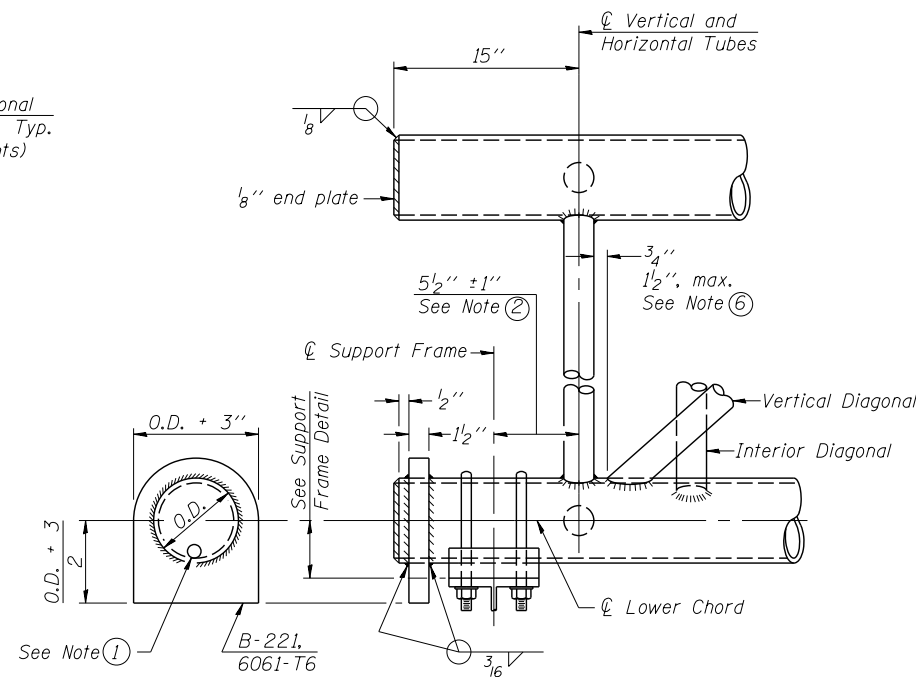
SHEET NO. 13 OF 20 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	242
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

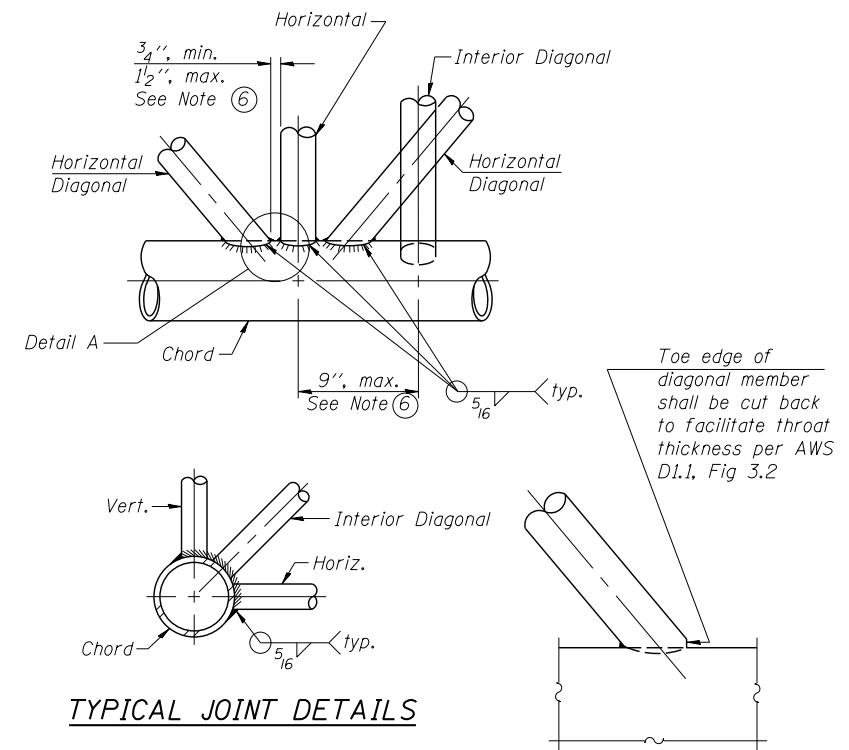
721.0160000.60L70.SIGN 11.dgn



**ELEVATION
TYPICAL INTERIOR UNIT**
Even number of panels/interior unit required.

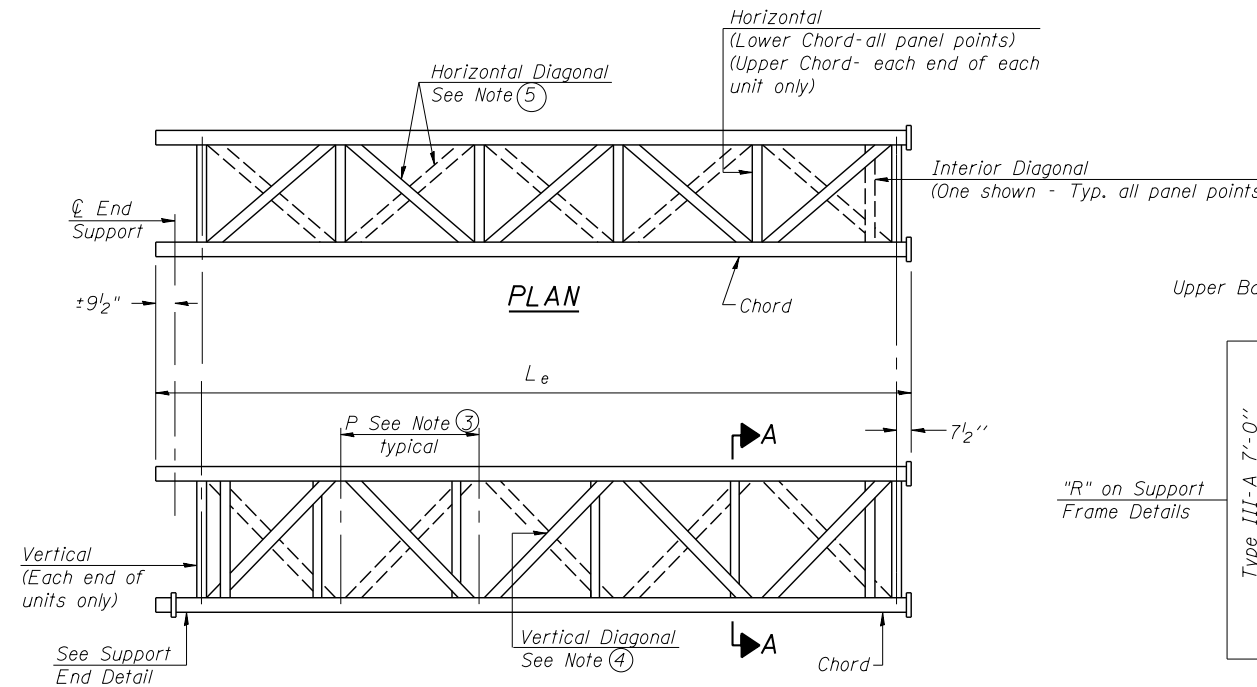


SUPPORT END DETAIL FOR EXTERIOR UNIT

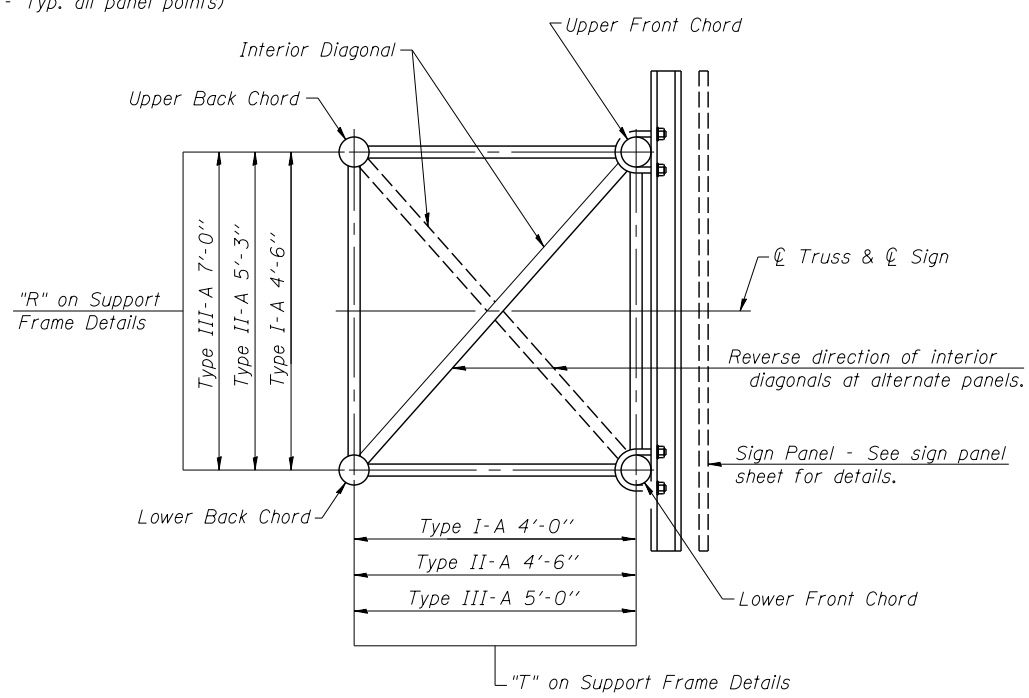


TYPICAL JOINT DETAILS

DETAIL A



**ELEVATION
TYPICAL EXTERIOR UNIT**
Even or odd number of panels/exterior units allowed.



SECTION A-A

- ① Contractor may alternatively use standard aluminum drive-fit cap to close end. 1/2" φ drain hole in end plate/drive-fit cap. (Typ. at ends of all chords)
- ② 5 1/2" end dimension may vary by ±1" to provide uniform panel spacing (P).
- ③ Panel spacing (P) shall be uniform for entire truss and between 4'-0" and 5'-0" for Type I-A or 4'-0" and 5'-6" for Types II-A and III-A.
- ④ Vertical Diagonals in front and back face shall alternate.
- ⑤ Hidden lines show wind bracing alternates direction between planes of top and bottom chords.
- ⑥ All diagonals shall be detailed for minimum offset from the panel point based on the following: Offset shall be such as to provide a 3/4" minimum to 1 1/2" maximum clearance between any diagonal and any horizontal or vertical member, and to provide clearance for U-bolt connections of signs or walkway brackets.

722-0160000_60L70_SIGN_I1.dgn

OS-A-2

6-1-12



USER NAME = auyeungh	DESIGNED - VP	REVISED -
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DEPARTMENT OF TRANSPORTATION**

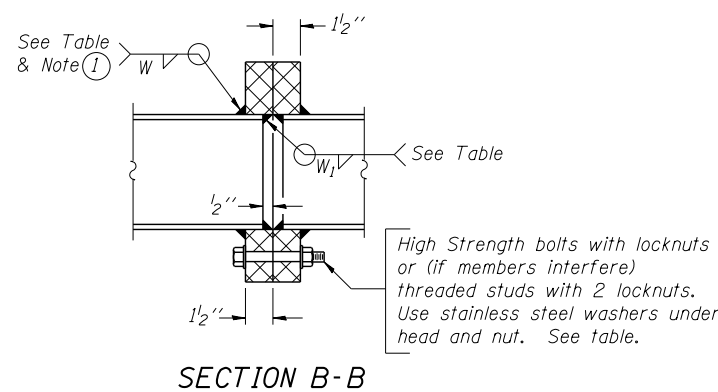
**OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS DETAILS
I-55 & LAKE SHORE DRIVE INTERCHANGE (OUTBOUND STRUCTURES)**

F.A.I. RTE. = 55	SECTION = 2010-080-B	COUNTY = COOK	TOTAL SHEETS = 886	SHEET NO. = 243
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

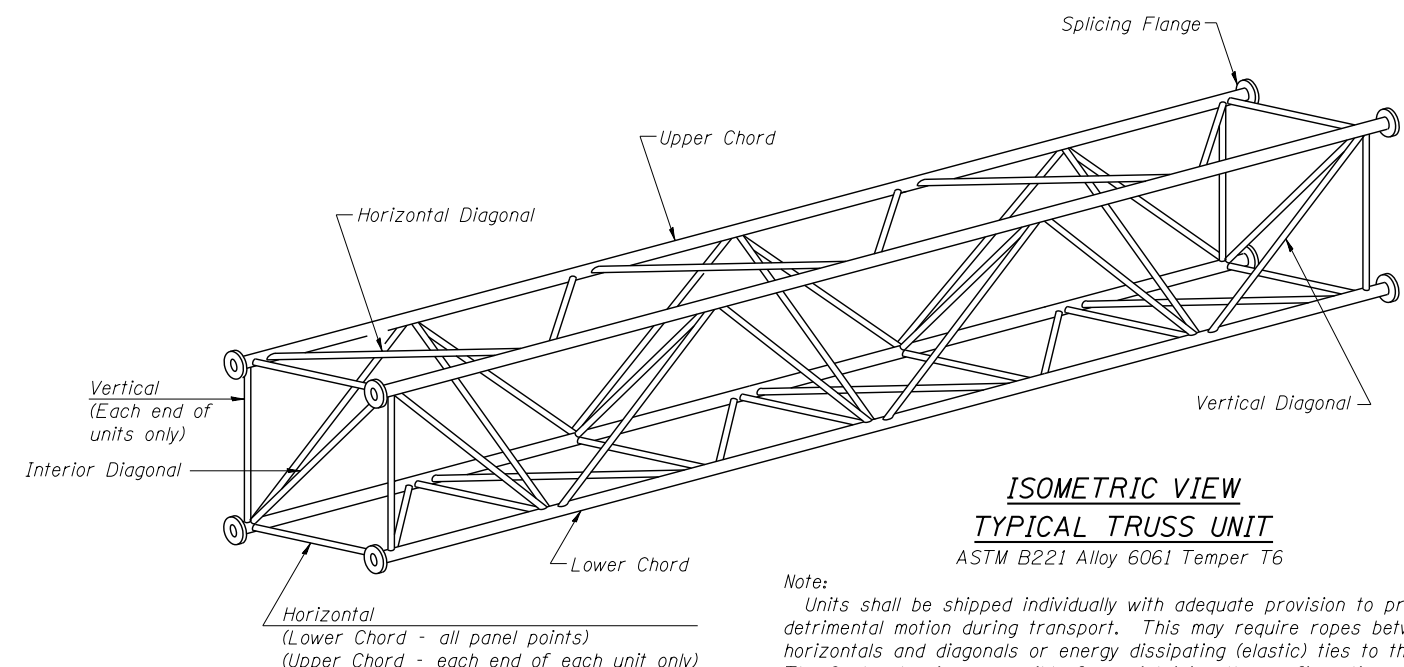
SHEET NO. 14 OF 20 SHEETS

TRUSS UNIT TABLE

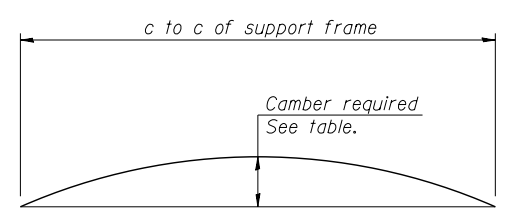
Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals		Camber at Midspan	Splicing Flange					
			No. Panels per Unit	Unit Lgth.(L _e)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L _i)	Panel Lgth.(P)	O.D.	Wall	O.D.	Wall		Bolts		Weld Sizes		A	B
															No./Splice	Dia.	W	W ₁		
ISO161055L293.8-000	93+12.00	I-A	7	36'-5 ⁵ / ₈ "	4'-11 ¹ / ₄ "	-	-	-	-	5"	5 ⁵ / ₁₆ "	2 ¹ / ₂ "	5 ⁵ / ₁₆ "	1 ³ / ₄ "	6	7 ⁷ / ₈ "	5 ⁵ / ₁₆ "	1/4"	8 ³ / ₄ "	11 ³ / ₄ "



① Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.

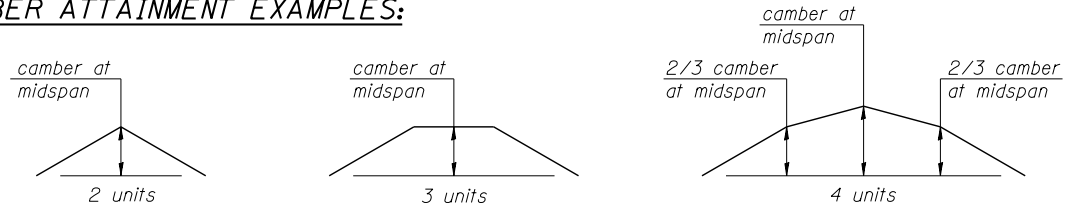


Note:
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection of the units.

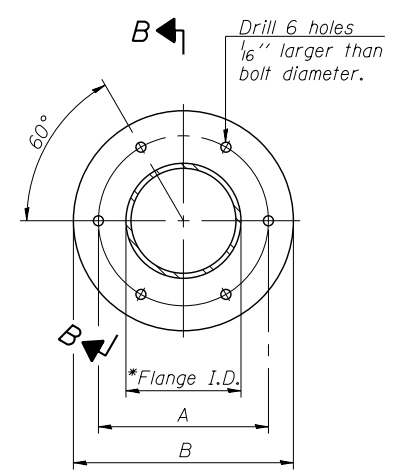


Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

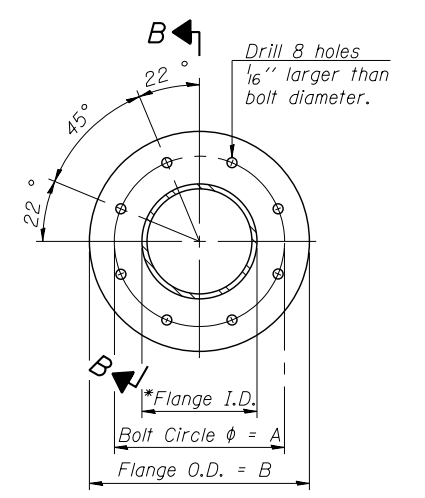
CAMBER ATTAINMENT EXAMPLES:



Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)



TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A

SPLICING FLANGES

ASTM B221, Alloy 6061-T6 or ASTM B209, Alloy 6061-T651
*To fit O.D. of Chord with maximum gap of 1/16".

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OS4-A-2

6-1-12



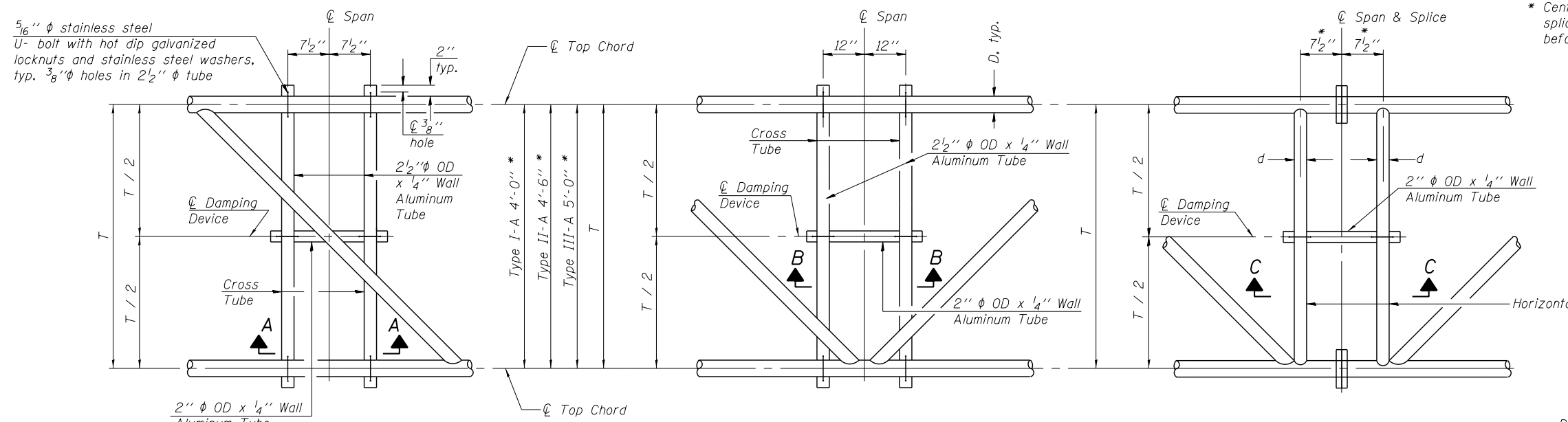
USER NAME = auyeungh	DESIGNED - VP	REVISED -
	CHECKED - ATB	REVISED -
PLOT SCALE =	DRAWN - MRK	REVISED -
PLOT DATE = 11/19/2014	CHECKED - CLS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS DETAILS
I-55 & LAKE SHORE DRIVE INTERCHANGE (OUTBOUND STRUCTURES)**

SHEET NO. 15 OF 20 SHEETS

F.A.I. RTE. = 55	SECTION = 2010-080-B	COUNTY = COOK	TOTAL SHEETS = 886	SHEET NO. = 244
CONTRACT NO. 60L70			ILLINOIS FED. AID PROJECT	



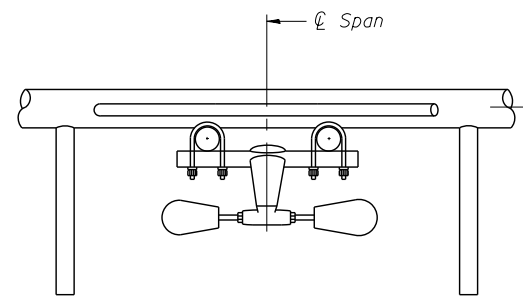
* Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.

PLAN DETAIL "A"
 ☉ Span between Panel Points

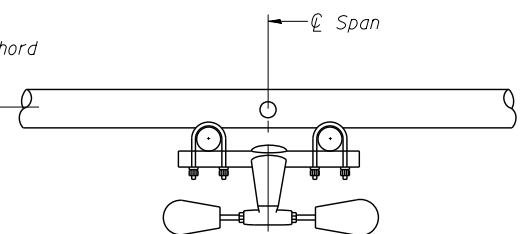
PLAN DETAIL "B"
 ☉ Span at Panel Point

PLAN DETAIL "C"
 ☉ Span at ☉ Chord Splice

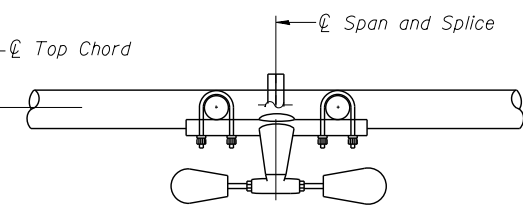
NOTES
 Damper: One damper per truss. (31 lbs. minimum Stockbridge-Type Aluminum - 29" minimum between ends of weights) Cost included in Overhead Sign Structure...
 Materials: Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



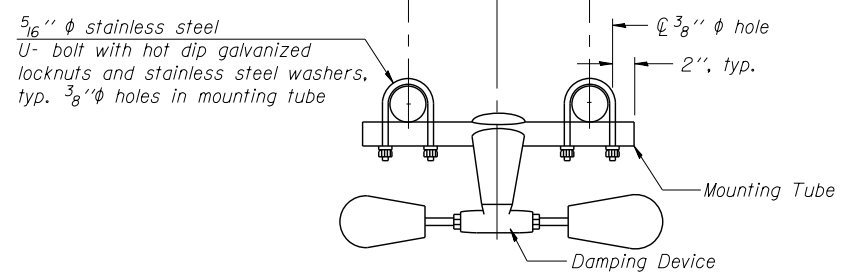
SECTION A-A



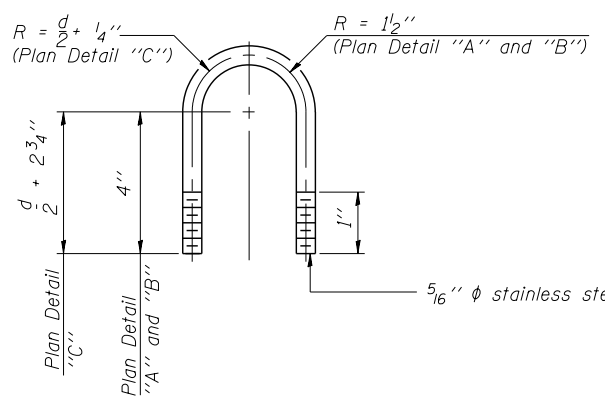
SECTION B-B



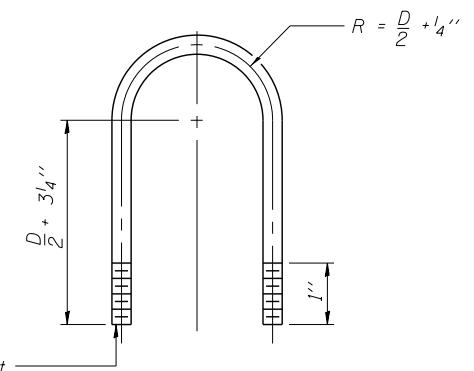
SECTION C-C



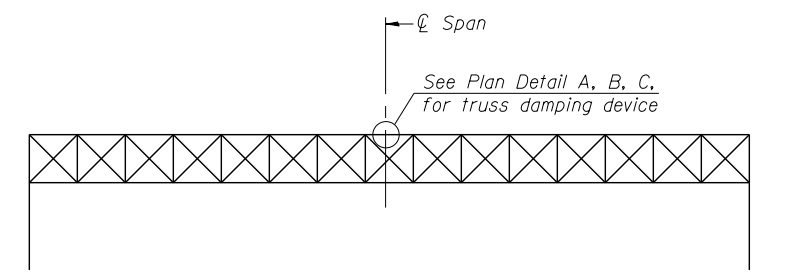
TRUSS DAMPING DEVICE CONNECTION DETAIL
 (Typical)



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
 (Typical)



TOP CHORD TO CROSS TUBE U-BOLT DETAIL
 (Typical - Detail "A" and "B")



ELEVATION
 Aluminum Overhead Sign Truss

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OS-A-D

6-1-12



USER NAME = auyeungh	DESIGNED - VP	REVISED -
PLOT SCALE =	CHECKED - ATB	REVISED -
PLOT DATE = 11/19/2014	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

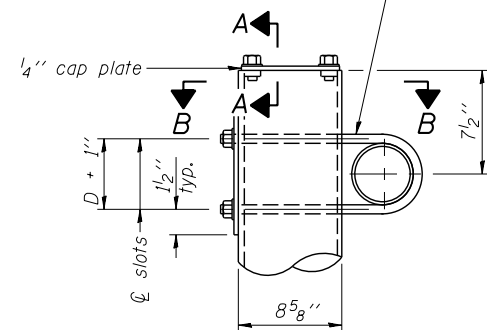
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURE - DAMPING DEVICE
 I-55 & LAKE SHORE DRIVE INTERCHANGE (OUTBOUND STRUCTURES)**

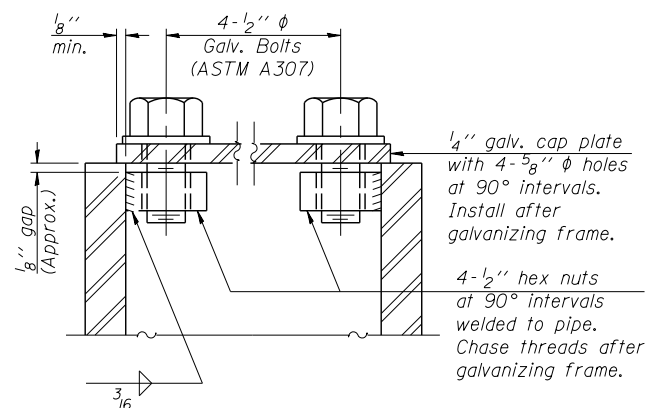
SHEET NO. 16 OF 20 SHEETS

F.A.I. RTE. = 55	SECTION = 2010-080-B	COUNTY = COOK	TOTAL SHEETS = 886	SHEET NO. = 245
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

3/4" φ stainless steel U-bolt.
Provide two washers and two hexagon locknuts. ④
1 3/16" x 2" slots on 8" φ pipe.
(4 slots required per pipe)

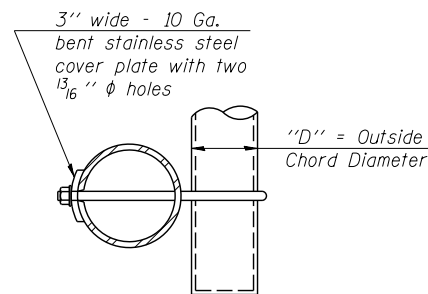


DETAIL A

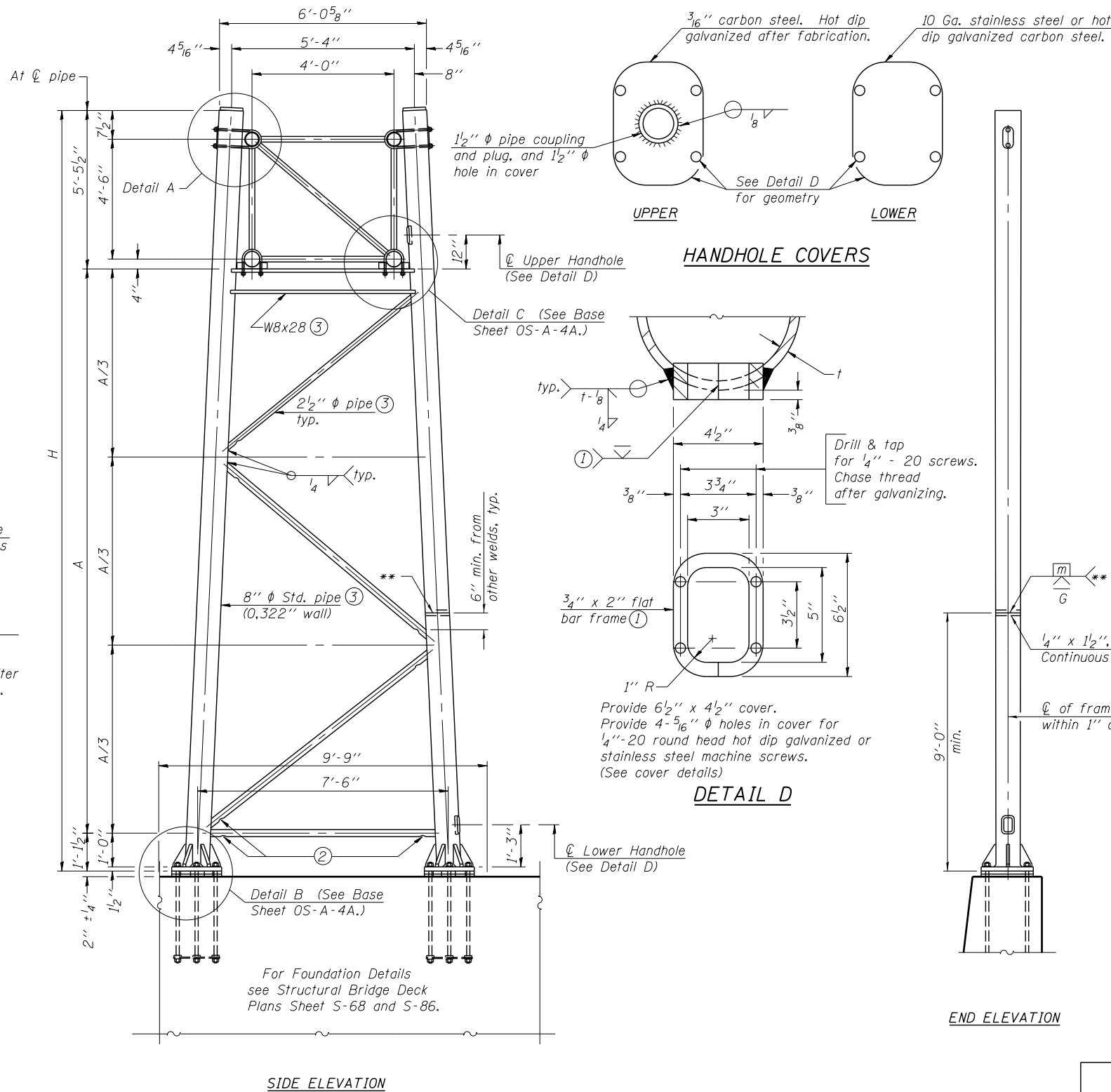


SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.

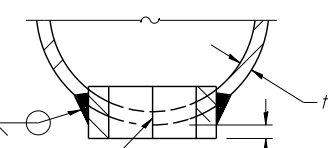


SECTION B-B



SIDE ELEVATION

HANDHOLE COVERS



DETAIL D

Provide 6 1/2" x 4 1/2" cover.
Provide 4-5/16" φ holes in cover for 1/4"-20 round head hot dip galvanized or stainless steel machine screws.
(See cover details)

END ELEVATION

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.
Load combinations checked include deadload plus:
a) 100% wind normal to sign, 20% parallel to sign
b) 60% wind normal to sign, 30% parallel to sign

- ① In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 μin or less.
- ② Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- ③ Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- ④ See General Notes for fasteners.
- ⑤ Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
- ⑥ "H" based on 15'-0" or actual sign height, whichever is greater.

8" φ PIPE TRUSS SUPPORT FRAME
** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Structure Number	Station	Support		H ⑥	A
		Left	Right		
ISO161055L293.8-000	93+12.00	X		26'-1"	19'-6"
ISO161055L293.8-000	93+12.00		X	24'-1 1/4"	17'-6 1/4"

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OS-A-4

6-1-12



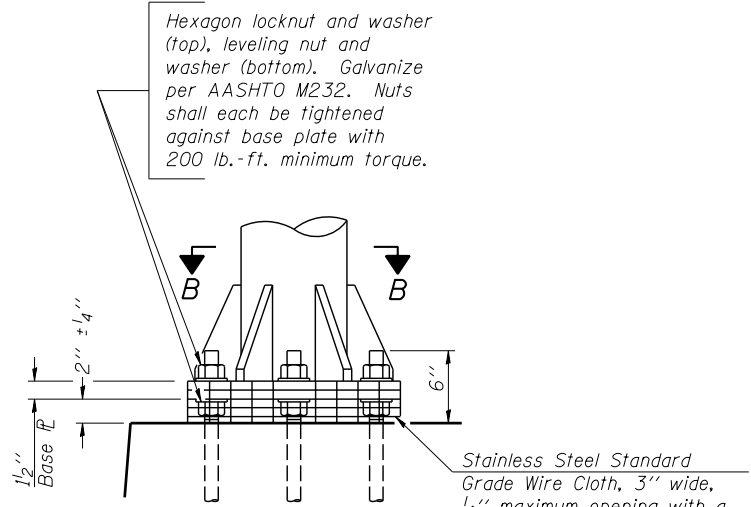
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PLOT SCALE =	CHECKED - ATB	REVISED -
PLOT DATE = 11/19/2014	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES - SUPPORT FRAME FOR ALUMINUM TRUSS
I-55 & LAKE SHORE DRIVE INTERCHANGE (OUTBOUND STRUCTURES)

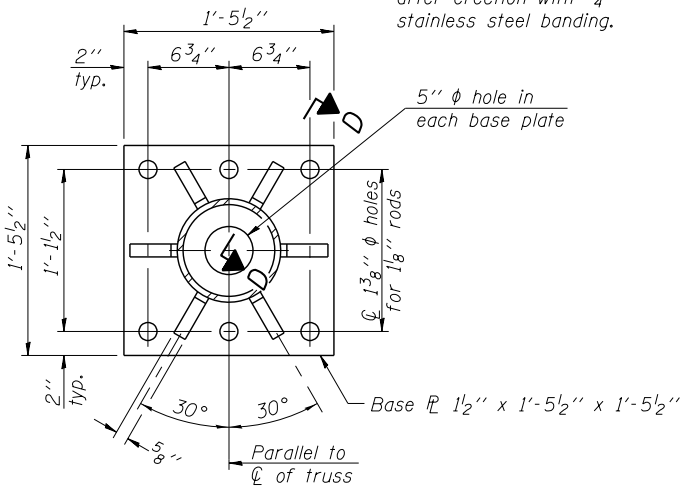
SHEET NO. 17 OF 20 SHEETS

F.A.I. RTE. = 55	SECTION = 2010-080-B	COUNTY = COOK	TOTAL SHEETS = 886	SHEET NO. = 246
CONTRACT NO. 60L70			ILLINOIS FED. AID PROJECT	

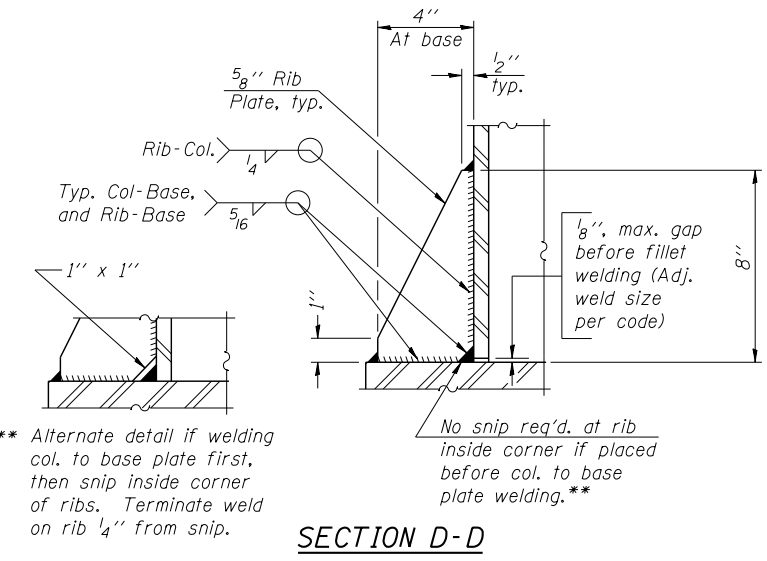


DETAIL B

Ribs shall be cut to fit slope of pipe. Stainless Steel Standard Grade Wire Cloth, 3" wide, 1/4" maximum opening with a minimum wire diameter of AWG. No. 16 with a minimum 2" lap. Secure to base plate after erection with 3/4" stainless steel banding.

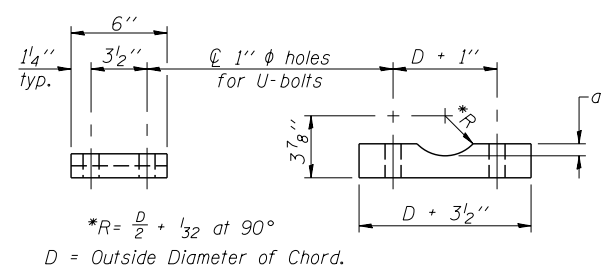


SECTION B-B



SECTION D-D

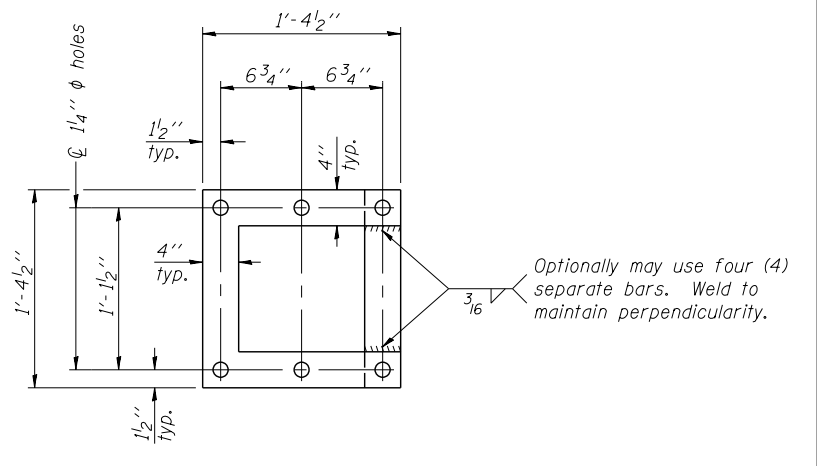
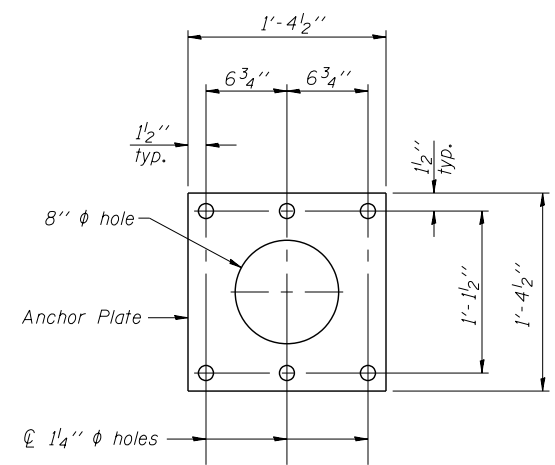
** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip. No snip req'd. at rib inside corner if placed before col. to base plate welding. ** 1/8" max. gap before fillet welding (Adj. weld size per code)



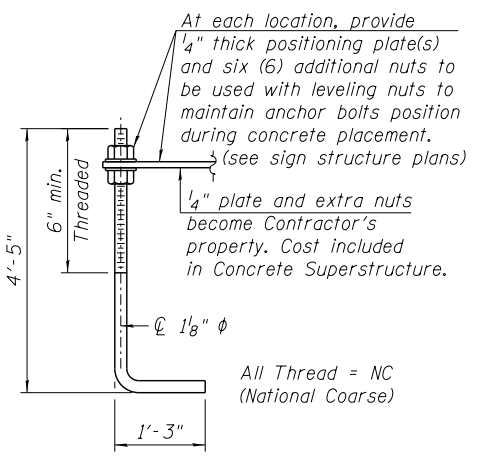
SADDLE SHIM DETAIL

ASTM B26 Alloy 356-F or ASTM B209 Alloy 6061-T651 (4 required per sign truss)

Truss Chord Nominal Dia.	a
5"	3/4"
5 1/2"	13/16"
6"	7/8"
6 1/2"	15/16"



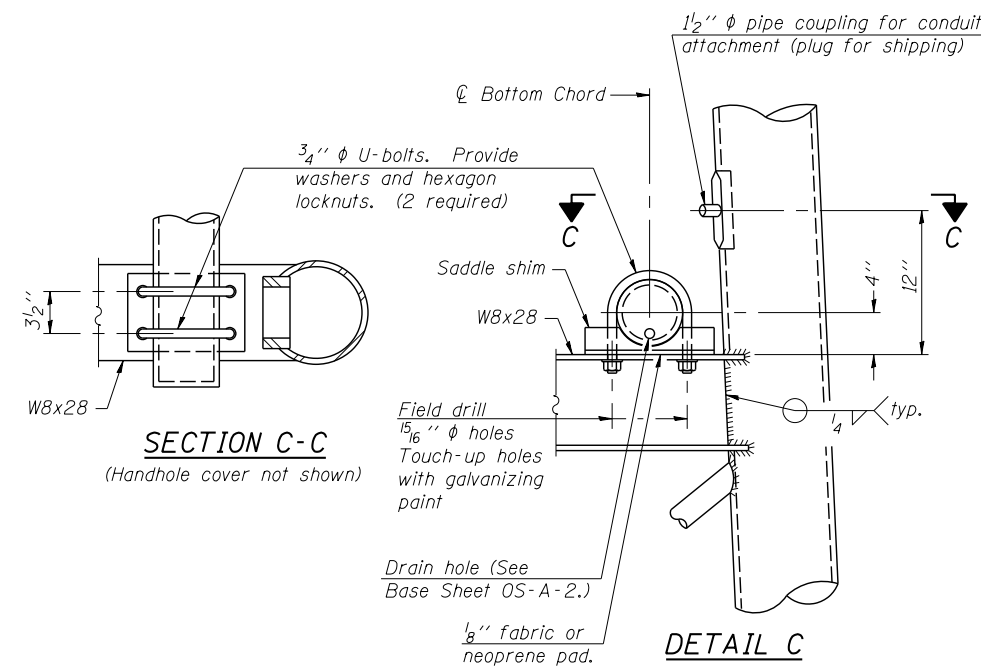
POSITIONING PLATE(S)



ANCHOR ROD DETAIL

For Foundation Details see Structural Bridge Deck Plans Sheet S-68 and S-86.

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.



SECTION C-C

DETAIL C

TYPE I-A TRUSS
8" Ø PIPE SUPPORT FRAME DETAILS

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OS-A-4A

6-1-12



USER NAME = auyeungh	DESIGNED - VP	REVISED -
PLOT SCALE =	CHECKED - ATB	REVISED -
PLOT DATE = 11/19/2014	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

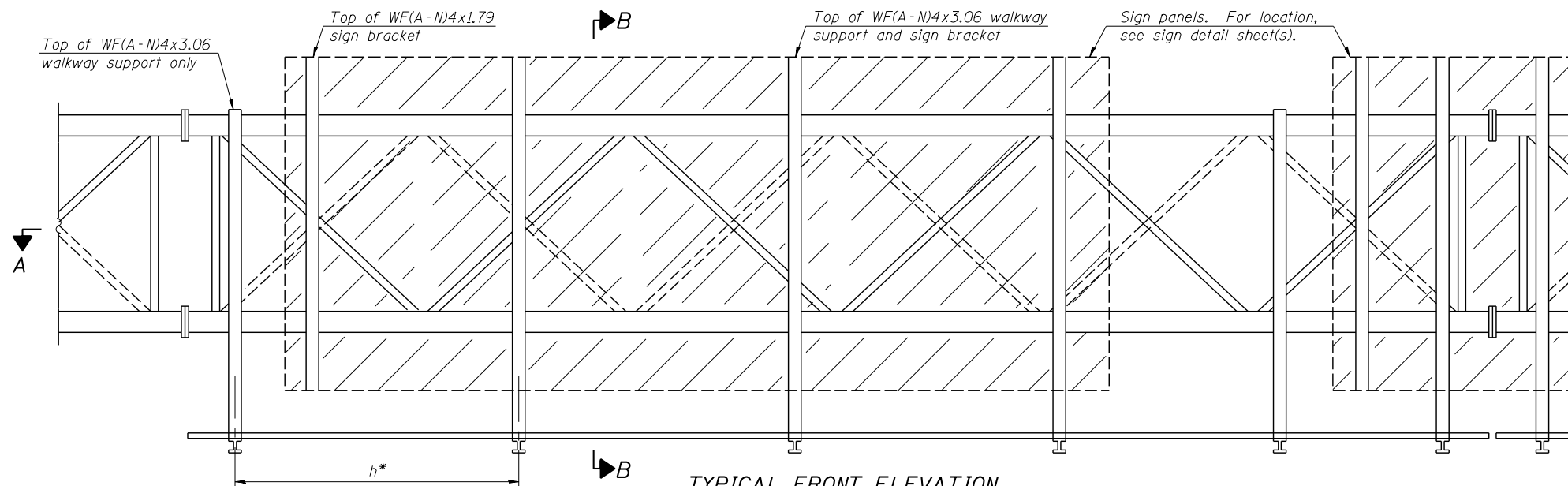
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES - SUPPORT FRAME DETAILS
I-55 & LAKE SHORE DRIVE INTERCHANGE (OUTBOUND STRUCTURES)

SHEET NO. 18 OF 20 SHEETS

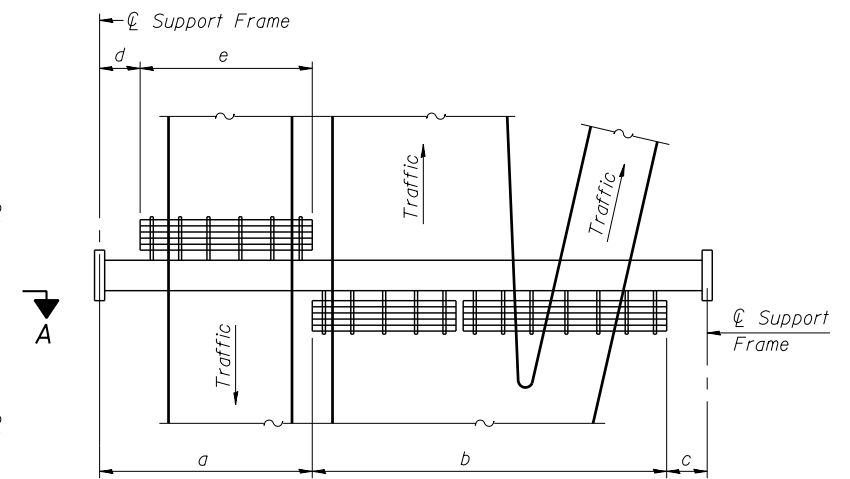
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	247
CONTRACT NO. 60L70				

ILLINOIS FED. AID PROJECT



TYPICAL FRONT ELEVATION

With lights and handrail omitted for clarity.
For Section B-B, see Base Sheet OS-A-10.



PLAN WALKWAY AND HANDRAIL SKETCH
(Road plan beneath truss varies)

BRACKET TABLE

WF(A-N)4x1.79 or WF(A-N)4x3.06 ASTM B308, Alloy 6061-T6		
Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

Notes:

* Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:

f = 12" maximum, 4" minimum (End of sign to ϕ of nearest bracket)
g = 12" maximum, 4" minimum (End of walkway grating to ϕ of nearest support bracket)

h = 6'-0" maximum (ϕ to ϕ sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)

k = 2" maximum gap between adjacent walkway grating sections and handrail ends

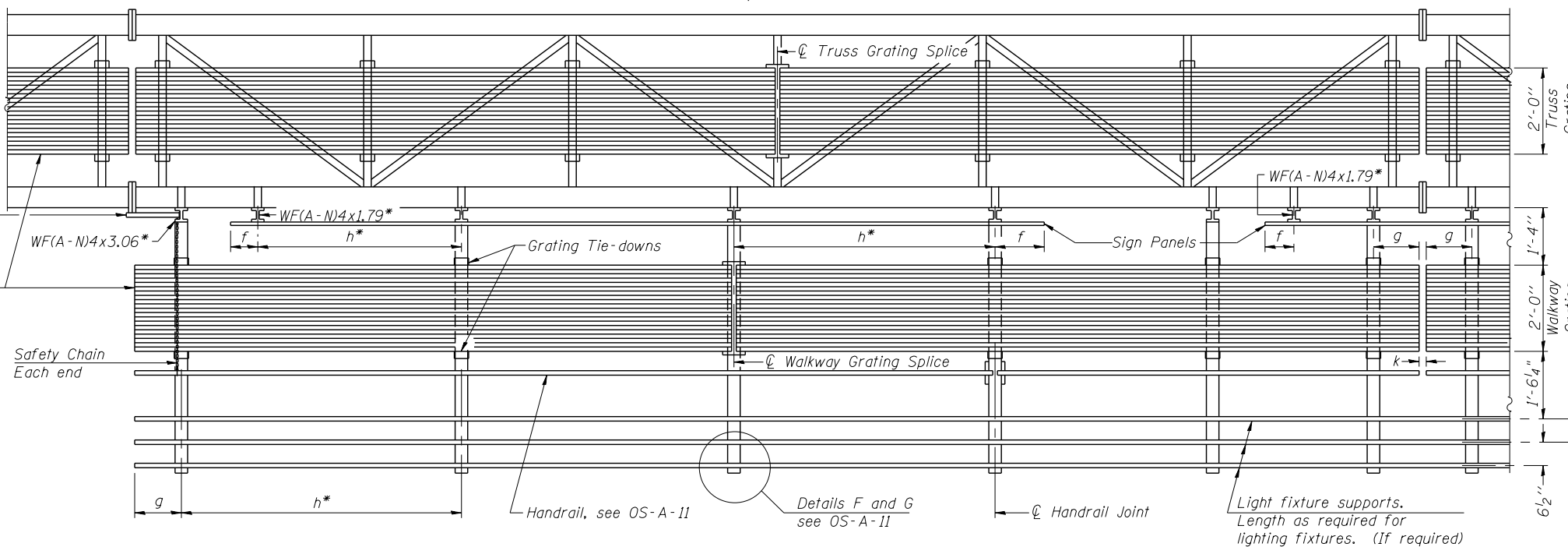
** If walkway bracket at safety chain location is behind sign, add angle to bracket, see Alternate Safety Chain Attachment on Base Sheet OS-A-11.

For Details T and W, Section B-B and Grating Splice Details see Base Sheet OS-A-10.

For Handrail Details see Base Sheet OS-A-11.

** Alternate angle for safety chain attachment

Standard Aluminum Grating, see Details T and W



SECTION A-A

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints. Place all sign and walkway brackets as close to panel points as practical. Handrail joints, grating, and light support splices placed as needed.

Structure Number	Station	a	b	c	d	e	Walkway Grating and Handrail Lengths
ISO161055L293.8-000	93+12.00	-	-	-	-	-	72 Ft.

WALKWAY: Walkway grating, walkway brackets, handrails, lighting and associated components shown in these plans on the traffic side of the sign structure/sign panel will not be installed with Contract 60L70. The truss grating and maintenance walkway behind the sign panel will be included with this pay item.

Truss grating to facilitate inspection shall run full length (center to center of support frames) $\pm 12"$ on overhead trusses. Cost of truss grating is included in "Overhead Sign Structure".

Walkway and Truss Grating width dimensions are nominal and may vary $\pm 1/2"$ based on available standard widths.

OS-A-9

6-1-12



USER NAME = auyeungh	DESIGNED - VP	REVISED -
	CHECKED - ATB	REVISED -
PLOT SCALE =	DRAWN - MRK	REVISED -
PLOT DATE = 11/19/2014	CHECKED - CLS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

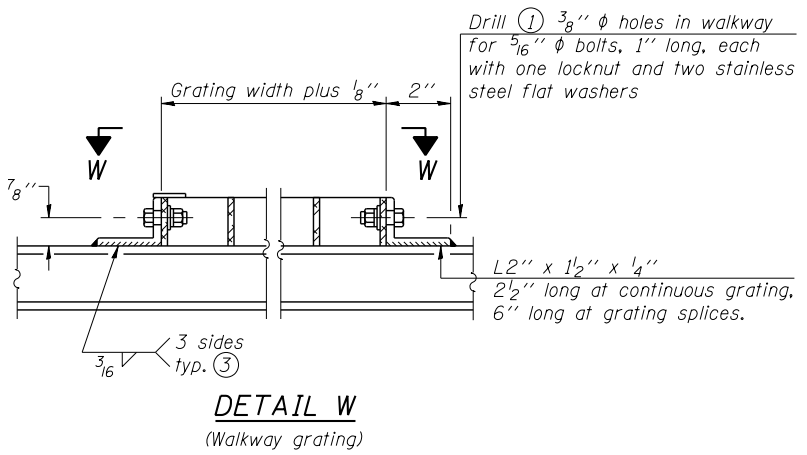
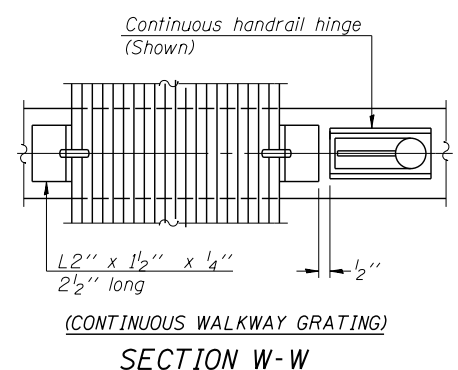
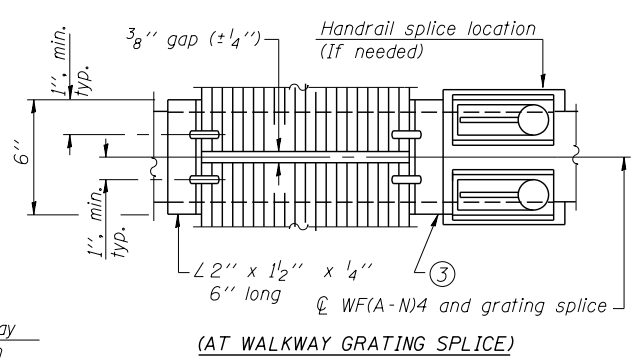
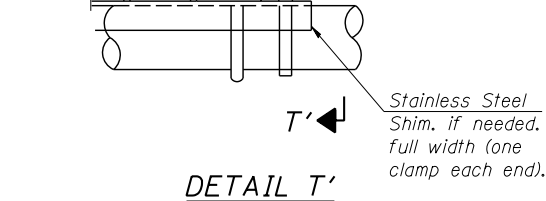
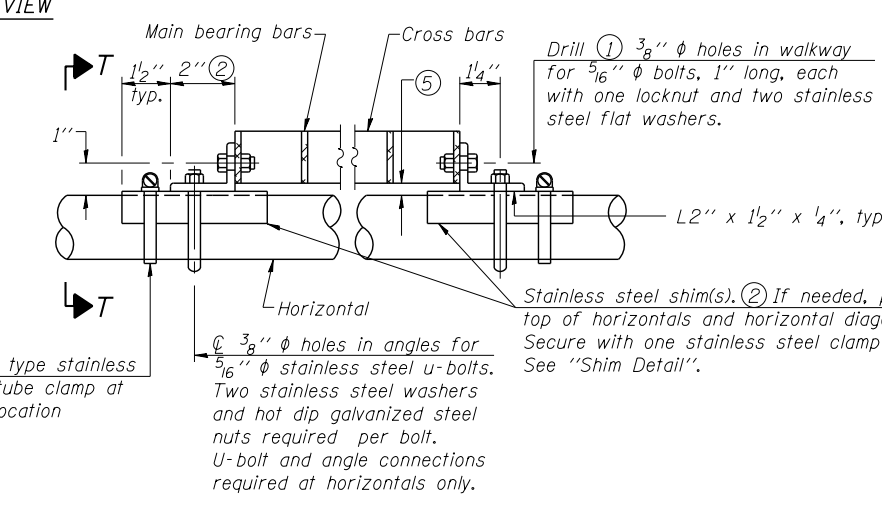
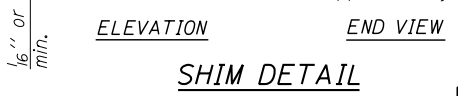
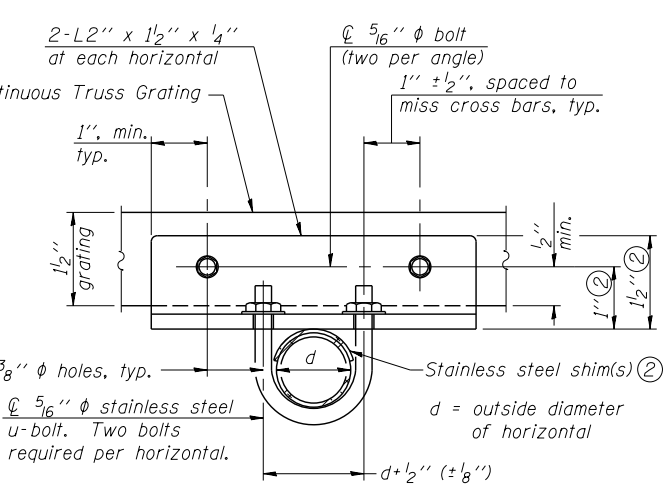
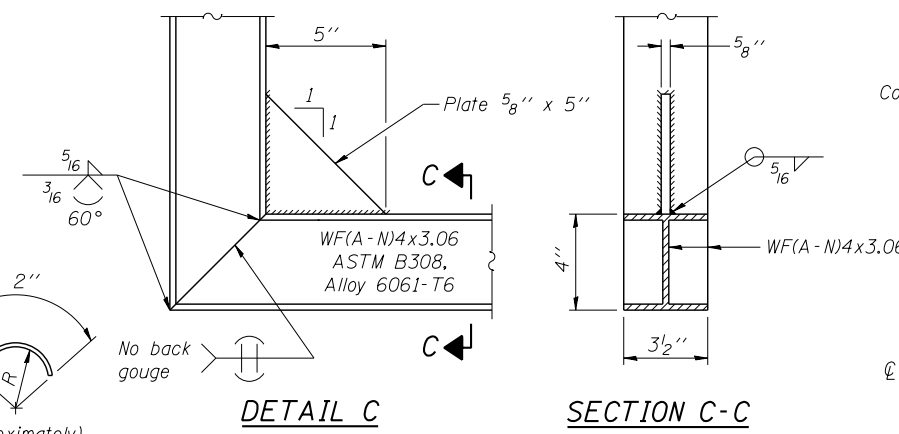
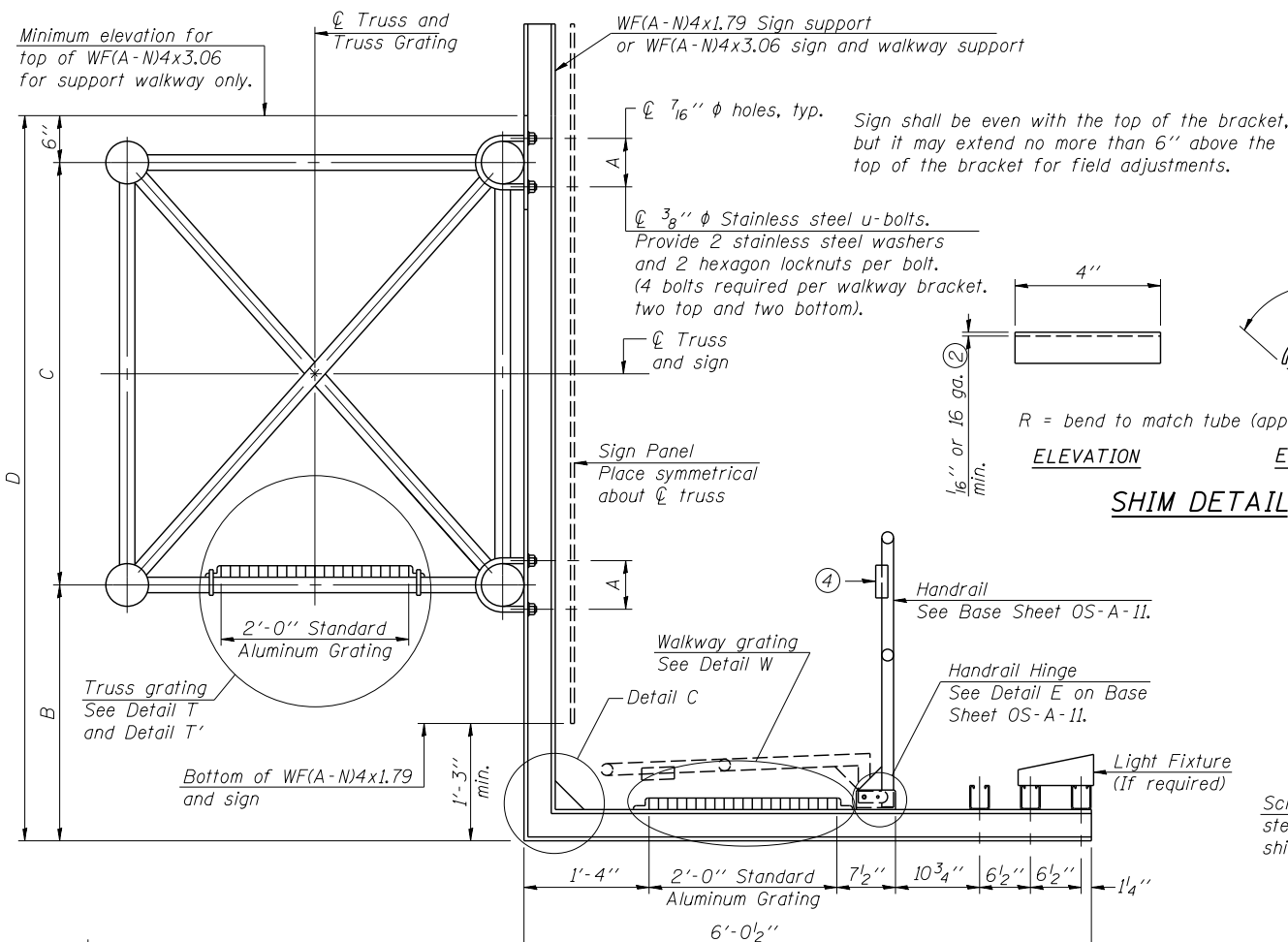
**OVERHEAD SIGN STRUCTURES - ALUMINUM WALKWAY DETAILS
I-55 & LAKE SHORE DRIVE INTERCHANGE (OUTBOUND STRUCTURES)**

SHEET NO. 19 OF 20 SHEETS

F.A.I. RTE. = 55	SECTION = 2010-080-B	COUNTY = COOK	TOTAL SHEETS = 886	SHEET NO. = 248
				CONTRACT NO. 60L70

ILLINOIS FED. AID PROJECT

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SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B221 Alloy 6061-T6.
 Cross bars shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "4" sections for main bearing bars shall meet the following requirements:
 Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³ per bar, a depth of 1 1/2", spaced on 1 3/16" centers.
 Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	⑥ B	C	⑥ D
ISO161055L293.8-000	93+12.00	-	-	-	-

WALKWAY: Walkway grating, walkway brackets, handrails, lighting and associated components shown in these plans on the traffic side of the sign structure/sign panel will not be installed with Contract 60L70. The truss grating and maintenance walkway behind the sign panel will be included with this pay item.

- ① Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- ② Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.
- ③ If Handrail Joint present, weld angle to WF(A-N)4 and 1/4" extension bars. (See Base Sheet OS-A-11.)
- ④ 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.
- ⑤ Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.
- ⑥ Based on actual height of tallest sign given on OS-A-1.

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OS-A-10

6-1-12



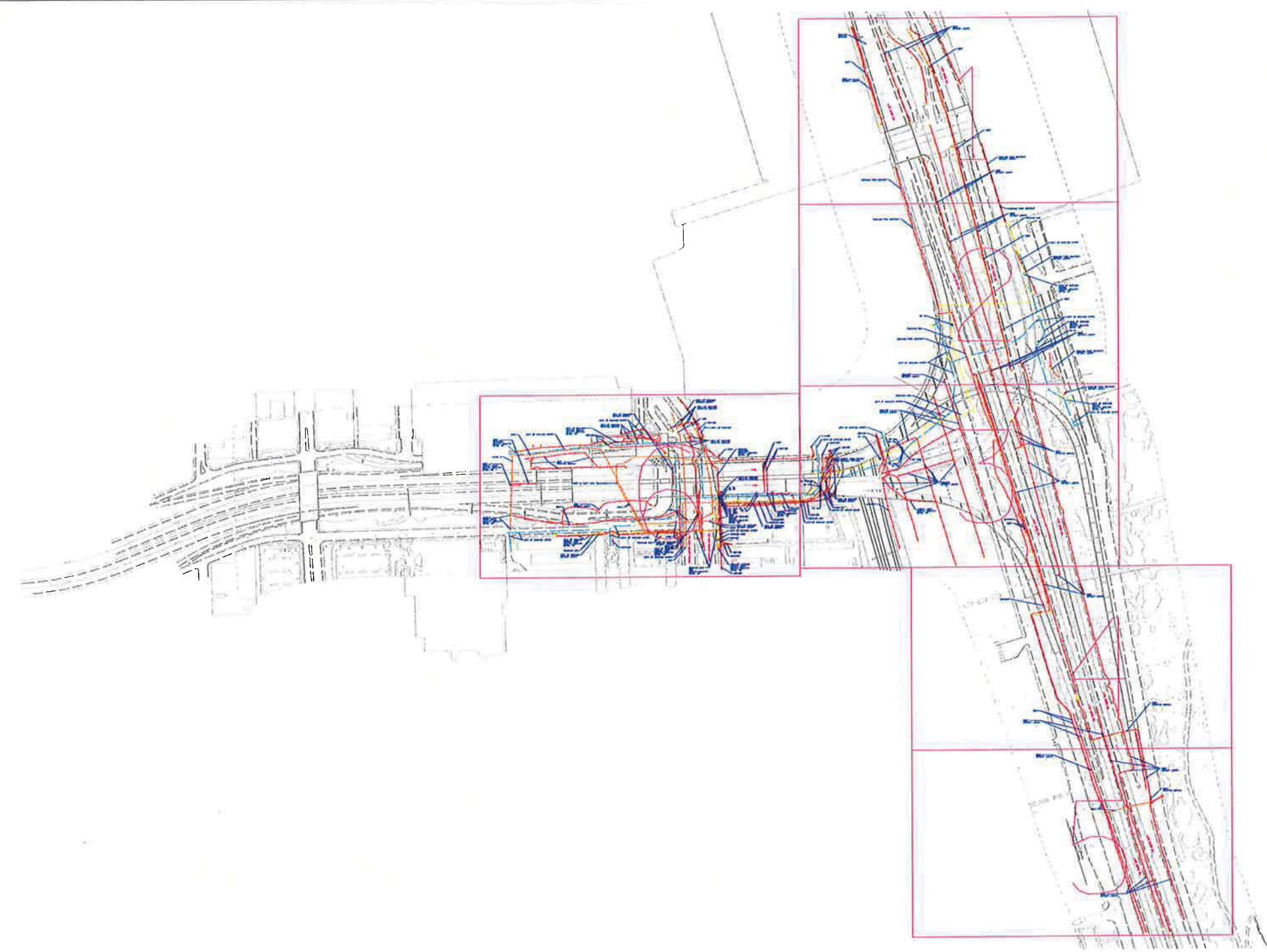
USER NAME = auyeungh	DESIGNED - VP	REVISED -
PLOT SCALE =	CHECKED - ATB	REVISED -
PLOT DATE = 11/19/2014	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES - ALUMINUM WALKWAY DETAILS
I-55 & LAKE SHORE DRIVE INTERCHANGE (OUTBOUND STRUCTURES)**

SHEET NO. 20 OF 20 SHEETS

F.A.I. RTE. = 55	SECTION = 2010-080-B	COUNTY = COOK	TOTAL SHEETS = 886	SHEET NO. = 249
CONTRACT NO. 60L70			ILLINOIS FED. AID PROJECT	



LICENSED PROFESSIONAL ENGINEER
KENNETH F. SLANINKA, Jr.
 062-055488
 STATE OF ILLINOIS

 signature
 5/30/14
 date
 license expires 11-30-15

AERIAL
 UNKNOWN
 CABLE TV
 TELEPHONE
 GAS
 ELECTRIC
 WATER
 FIBER OPTIC
 TBE TEST HOLE

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

UTILITY OWNERS

AT&T = FIBER OPTIC
 AT&T = TELEPHONE
 CITY OF CHICAGO = STREET LIGHT
 CITY OF CHICAGO = TRAFFIC SIGNAL
 CITY OF CHICAGO = WATER
 CHICAGO PARK DISTRICT = ELECTRIC
 CHICAGO PARK DISTRICT = STREET LIGHT
 COM-ED = ELECTRIC
 IDOT = ELECTRIC
 IDOT = FIBER OPTIC
 IDOT = STREET LIGHT
 MCI = FIBER OPTIC
 PEOPLES GAS = GAS
 PRIVATE = STEAM
 PRIVATE = STREET LIGHT

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's QL "B" SUE field investigation was performed 6/14/12 through 8/17/12. Cardno TBE's QL "A" Test Holes were performed 11/26/13 through 5/23/14. Changes to utilities after 5/23/14 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

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



TBE Job No. IL09510483, 549, 616
SUE Plan Page: Cover

DESIGNED	JP	REVISED	12/16/13
DRAWN	SRK	ADDED TH'S #	1-7
CHECKED	KFS	REVISED	5/29/14
DATE	8/31/12	ADDED TH'S #	8-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 from Dan Ryan Expressway to Lake Shore Drive
Chicago, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	886	250
Contract No. 60L70				
FED. ROAD DIST. NO.	ILLINOIS IDOT Project No.			



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

TBE TEST HOLE

UTILITY OWNERS		
AT&T = FIBER OPTIC		
AT&T = TELEPHONE		
CITY OF CHICAGO = STREET LIGHT		
CITY OF CHICAGO = TRAFFIC SIGNAL		
CITY OF CHICAGO = WATER		
CHICAGO PARK DISTRICT = ELECTRIC		
CHICAGO PARK DISTRICT = STREET LIGHT		
COM-ED = ELECTRIC		
IDOT = ELECTRIC		
IDOT = FIBER OPTIC		
IDOT = STREET LIGHT		
MCI = FIBER OPTIC		
PEOPLES GAS = GAS		
PRIVATE = STEAM		
PRIVATE = STREET LIGHT		

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

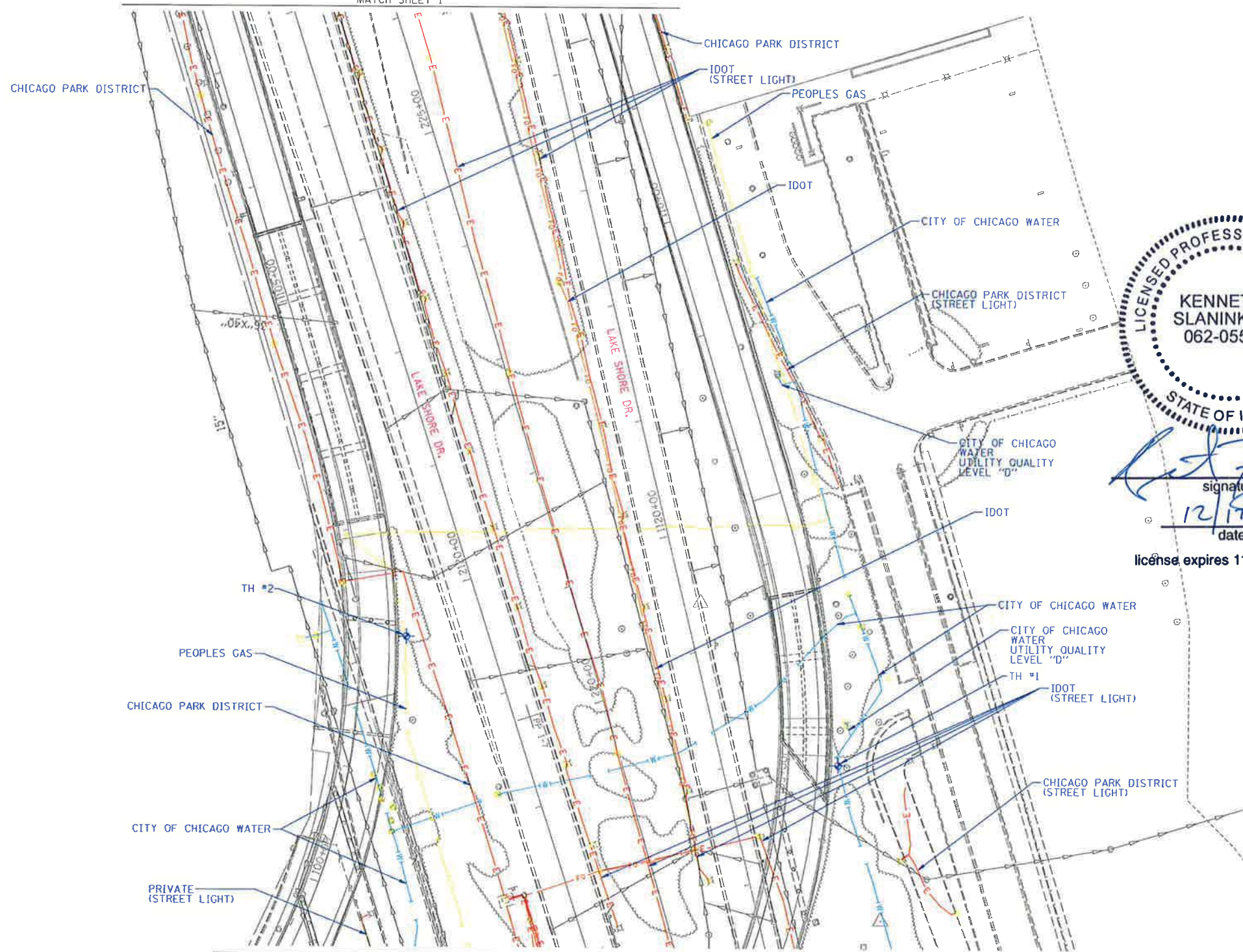
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TBE Job No. IL09510483
 SUE Plan Page: 1 of 6

F.A. RTÉ:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	886	251

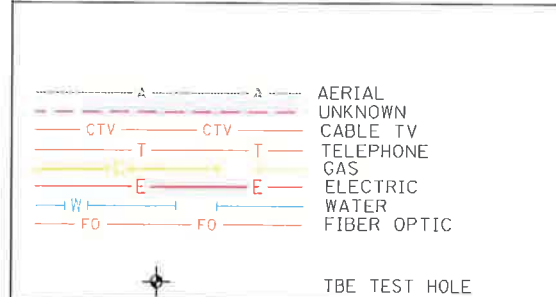
Contract No. 60L70
 FED. ROAD DIST. NO. _ ILLINOIS IDOT Project No.

MATCH SHEET 1



signature
 date 12/17/13
 license expires 11-30-15

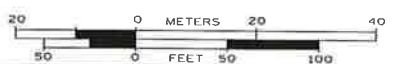
MATCH SHEET 3



UTILITY OWNERS	
AT&T = FIBER OPTIC	
AT&T = TELEPHONE	
CITY OF CHICAGO = STREET LIGHT	
CITY OF CHICAGO = TRAFFIC SIGNAL	
CITY OF CHICAGO = WATER	
CHICAGO PARK DISTRICT = ELECTRIC	
CHICAGO PARK DISTRICT = STREET LIGHT	
COM-ED = ELECTRIC	
IDOT = ELECTRIC	
IDOT = FIBER OPTIC	
IDOT = STREET LIGHT	
MCI = FIBER OPTIC	
PEOPLES GAS = GAS	
PRIVATE = STEAM	
PRIVATE = STREET LIGHT	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's QL "B" SUE field investigation was performed 6/14/12 through 8/17/12. Cardno TBE's QL "A" Test Holes were performed 11/26/13 through 12/9/13. Changes to utilities after 8/17/12 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

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



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

DESIGNED	IP	REVISED	12/16/12
DRAWN	SRK		ADDED TH'S # 1-7
CHECKED	KFS	REVISED	
DATE	8/31/12	REVISED	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-55 from Dan Ryan Expressway to Lake Shore Drive
 Chicago, Illinois

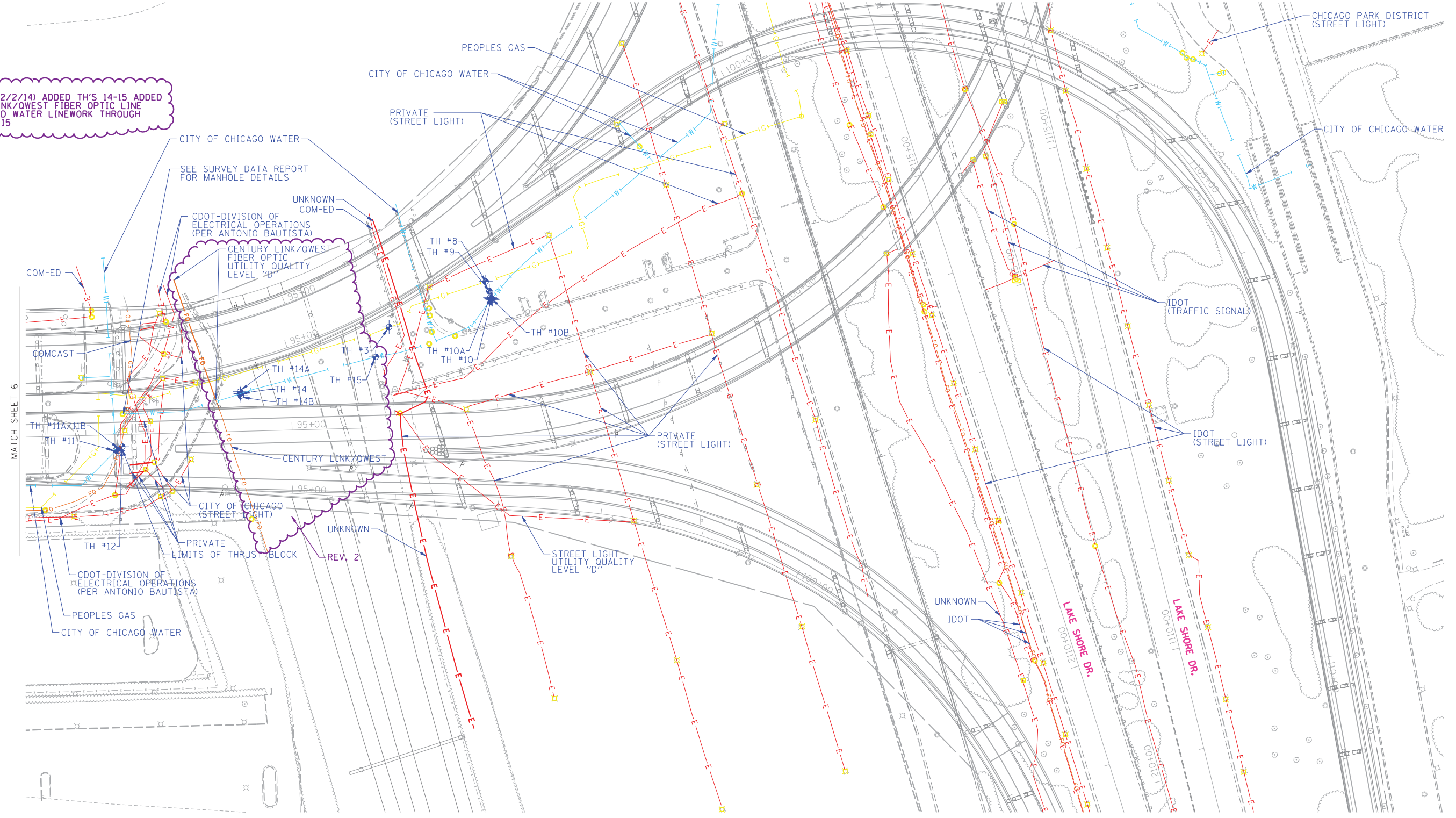
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	886	252

Contract No. 60L70
 FED. ROAD DIST. NO. - [ILLINOIS] IDOT Project No.

TBE Job No. IL09510483, 549
 SUE Plan Page: 2 of 6

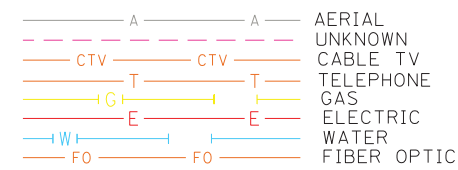


REV. 2 - (12/2/14) ADDED TH'S 14-15 ADDED CENTURY LINK/WEST FIBER OPTIC LINE AND REVISED WATER LINework THROUGH TH # 14 & 15



MATCH SHEET 6

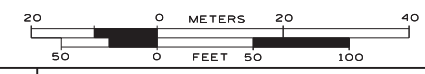
MATCH SHEET 4



UTILITY OWNERS	
AT&T = FIBER OPTIC	
AT&T = TELEPHONE	
CDOT - DIVISION OF ELECTRICAL OPERATIONS = ELECTRIC	
CENTURY LINK/WEST = FIBER OPTIC	
CITY OF CHICAGO = STREET LIGHT	
CITY OF CHICAGO = TRAFFIC SIGNAL	
CITY OF CHICAGO = WATER	
CHICAGO PARK DISTRICT = ELECTRIC	
CHICAGO PARK DISTRICT = STREET LIGHT	
COM-ED = ELECTRIC	
IDOT = ELECTRIC	
IDOT = FIBER OPTIC	
IDOT = STREET LIGHT	
MCI = FIBER OPTIC	
PEOPLES GAS = GAS	
PRIVATE = STEAM	
PRIVATE = STREET LIGHT	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's QL"B" SUE field investigation was performed 6/14/12 through 8/17/12. Cardno TBE's QL"A" Test Holes were performed 11/26/13 through 11/24/14. Changes to utilities after 11/24/14 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

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



TBE Job No. IL09510483, 549, 616
SUE Plan Page: 3 of 6

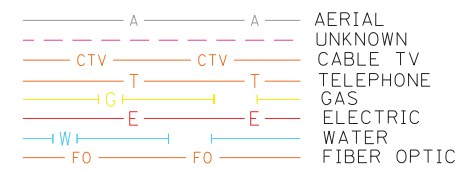
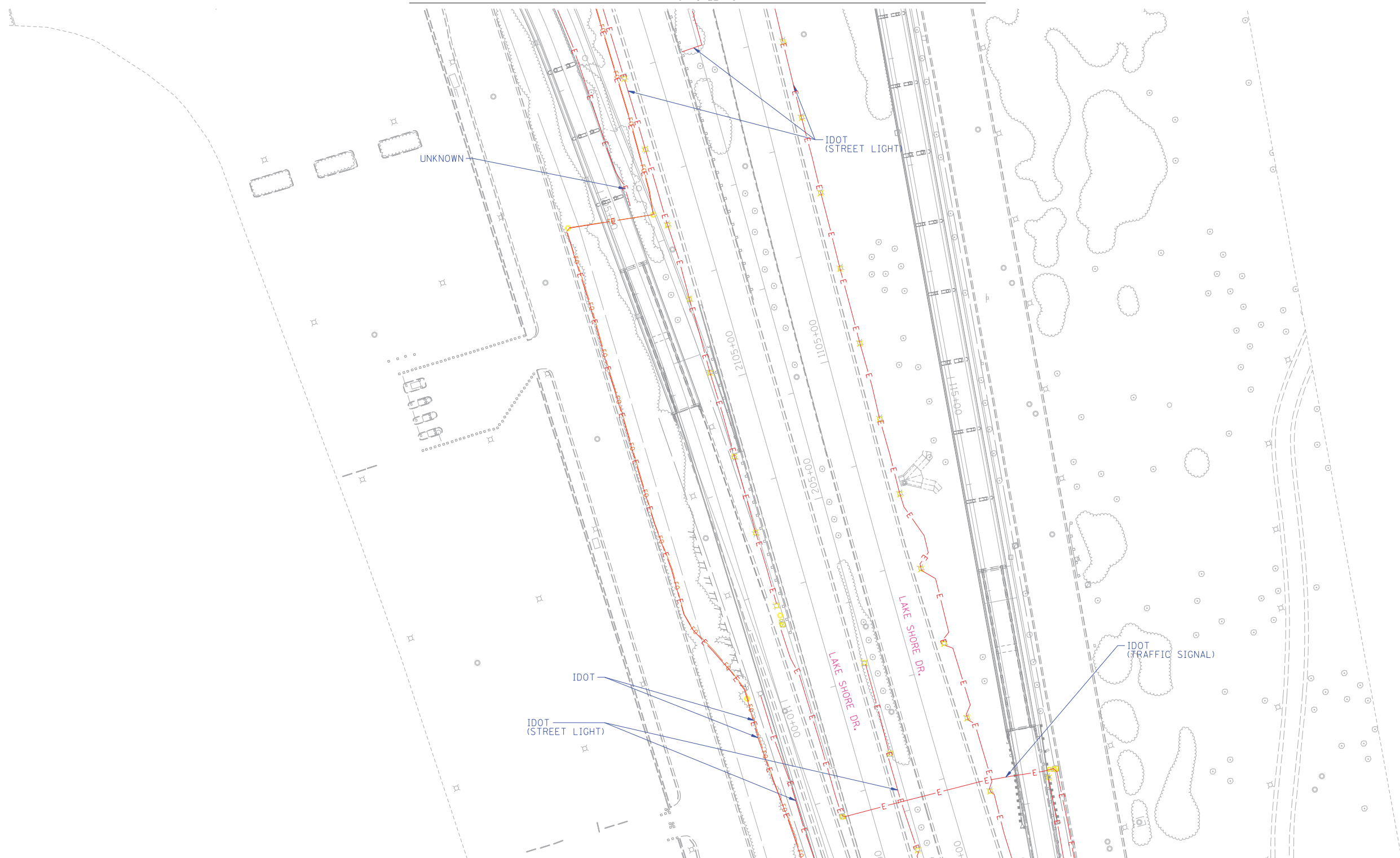
Utility Quality Level "A": Visually Verified Test Hole
Utility Quality Level "B": Designating/non Visually Verified Test Hole
Utility Quality Level "C": Research with Survey
Utility Quality Level "D": Records Research

DESIGNED	JP	REVISED	12/16/12	ADDED TH'S # 1-7
DRAWN	SRK	REVISED	5/29/14	ADDED TH'S # 8-13
CHECKED	KFS	REVISED	8/11/14	UPDATED OWNERS
DATE	8/31/12	REVISED	12/2/14	ADDED TH'S # 14-15

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 from Dan Ryan Expressway to Lake Shore Drive
Chicago, Illinois

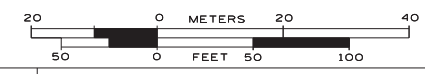
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	886	253
Contract No. 60L70				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				



UTILITY OWNERS		
AT&T = FIBER OPTIC		
AT&T = TELEPHONE		
CITY OF CHICAGO = STREET LIGHT		
CITY OF CHICAGO = TRAFFIC SIGNAL		
CITY OF CHICAGO = WATER		
CHICAGO PARK DISTRICT = ELECTRIC		
CHICAGO PARK DISTRICT = STREET LIGHT		
COM-ED = ELECTRIC		
IDOT = ELECTRIC		
IDOT = FIBER OPTIC		
IDOT = STREET LIGHT		
MCI = FIBER OPTIC		
PEOPLES GAS = GAS		
PRIVATE = STEAM		
PRIVATE = STREET LIGHT		

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's QL"B" SUE field investigation was performed 6/14/12 through 8/17/12. Changes to utilities after 8/17/12 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

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



TBE Job No. IL09510483
SUE Plan Page: 4 of 6

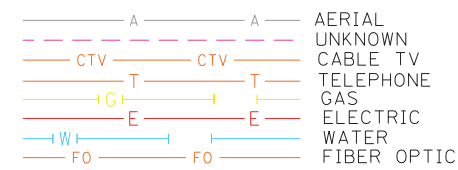
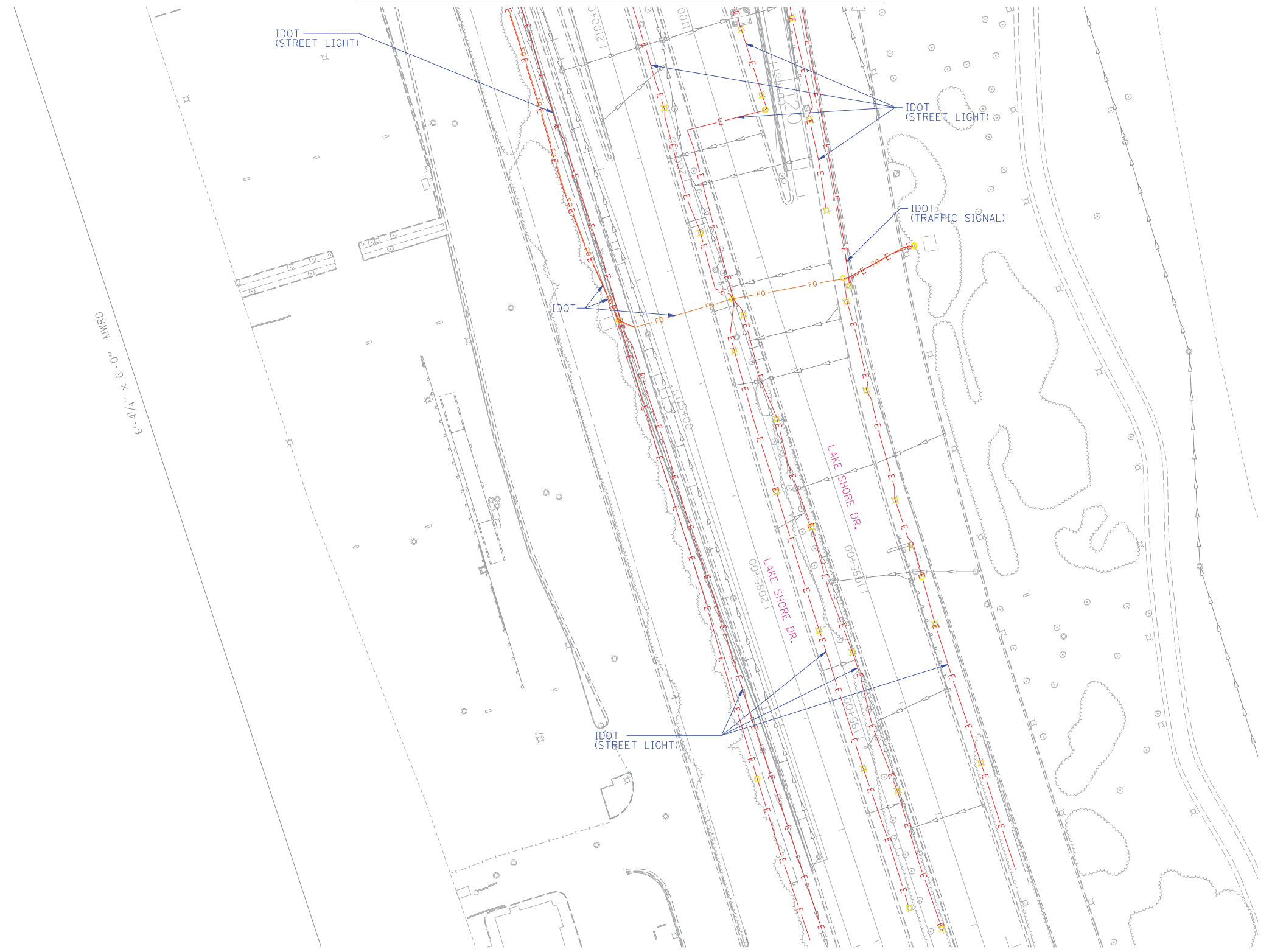
Utility Quality Level "A": Visually Verified Test Hole
Utility Quality Level "B": Designating/non Visually Verified Test Hole
Utility Quality Level "C": Research with Survey
Utility Quality Level "D": Records Research

DESIGNED	IP	REVISED	
DRAWN	SRK	REVISED	
CHECKED	KFS	REVISED	
DATE	8/31/12	REVISED	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-55 from Dan Ryan Expressway to Lake Shore Drive
Chicago, Illinois**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	886	254
Contract No. 60L70				
FED. ROAD DIST. NO. - ILLINOIS IDOT Project No.				

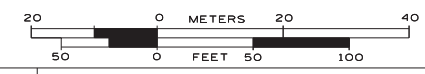


UTILITY OWNERS

AT&T = FIBER OPTIC
 AT&T = TELEPHONE
 CITY OF CHICAGO = STREET LIGHT
 CITY OF CHICAGO = TRAFFIC SIGNAL
 CITY OF CHICAGO = WATER
 CHICAGO PARK DISTRICT = ELECTRIC
 CHICAGO PARK DISTRICT = STREET LIGHT
 COM-ED = ELECTRIC
 IDOT = ELECTRIC
 IDOT = FIBER OPTIC
 IDOT = STREET LIGHT
 MCI = FIBER OPTIC
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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510483
 SUE Plan Page: 5 of 6

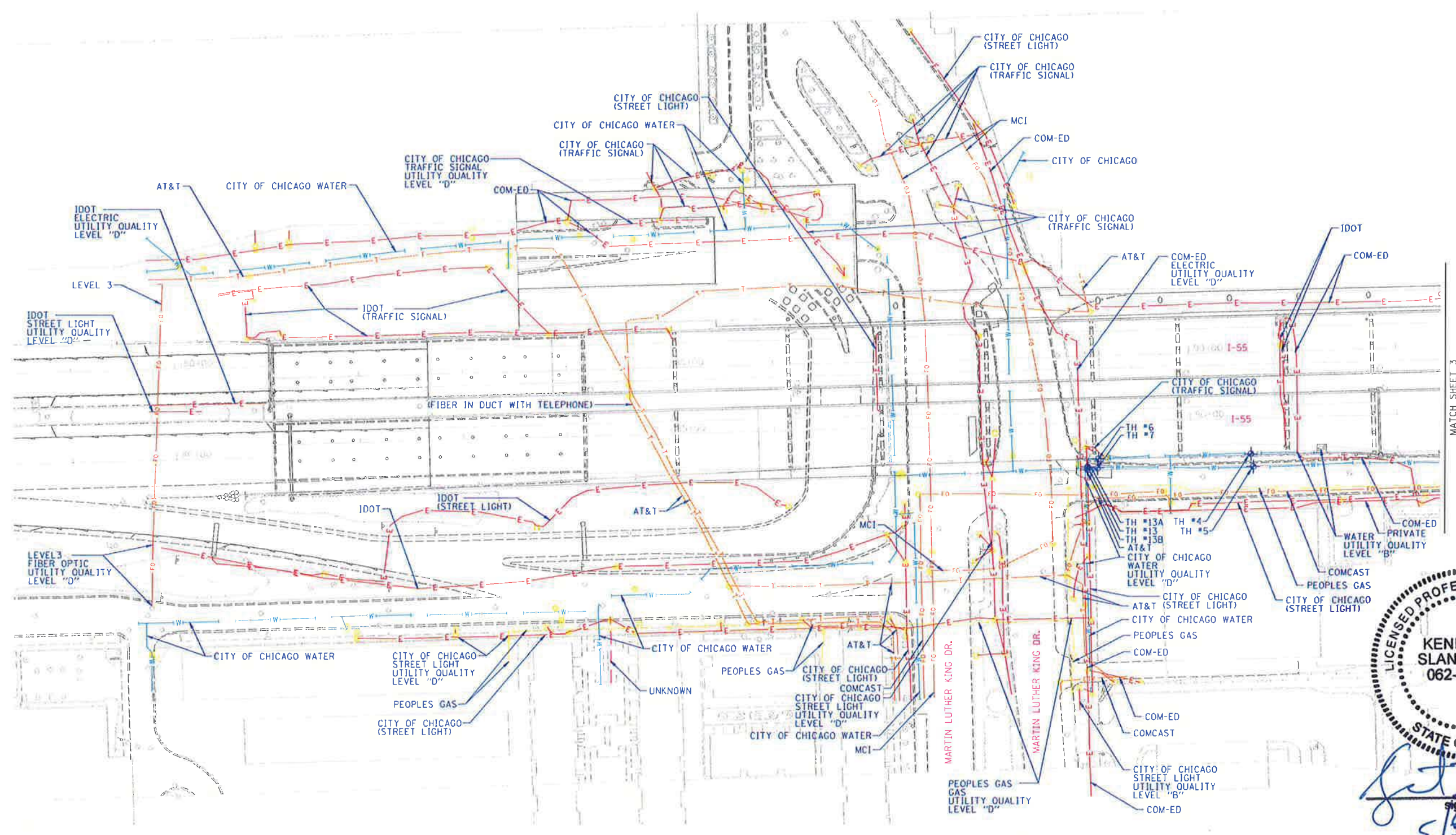
Utility Quality Level "A" : Visually Verified Test Hole
 Utility Quality Level "B" : Designating/non Visually Verified Test Hole
 Utility Quality Level "C" : Research with Survey
 Utility Quality Level "D" : Records Research

DESIGNED	JP	REVISED	
DRAWN	SRK	REVISED	
CHECKED	KFS	REVISED	
DATE	8/31/12	REVISED	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-55 from Dan Ryan Expressway to Lake Shore Drive
 Chicago, Illinois**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	886	255
Contract No. 60L70				
FED. ROAD DIST. NO. - [ILLINOIS] IDOT Project No.				



LICENSED PROFESSIONAL ENGINEER
KENNETH F. SLANINKA, Jr.
 062-055488
STATE OF ILLINOIS
 signature
[Signature]
 date
 5/30/19

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

UTILITY OWNERS	
AT&T = FIBER OPTIC	AT&T = TELEPHONE
CITY OF CHICAGO = STREET LIGHT	CITY OF CHICAGO = TRAFFIC SIGNAL
CITY OF CHICAGO = WATER	CHICAGO PARK DISTRICT = ELECTRIC
CHICAGO PARK DISTRICT = STREET LIGHT	CHICAGO PARK DISTRICT = STREET LIGHT
COM-ED = ELECTRIC	IDOT = ELECTRIC
IDOT = FIBER OPTIC	IDOT = FIBER OPTIC
IDOT = STREET LIGHT	MCI = FIBER OPTIC
PEOPLES GAS = GAS	PRIVATE = STEAM
PRIVATE = STEAM	PRIVATE = STREET LIGHT

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's "B" SUE field investigation was performed 6/14/12 through 8/17/12. Cardno TBE's "A" Test Holes were performed 11/26/13 through 5/23/14. Changes to utilities after 5/23/14 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

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

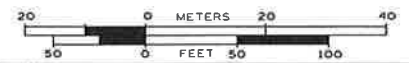
license expires 11-30-15
Cardno TBE
 CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
 * PLANNING * UTILITY ENGINEERING/LOCATING

Dynasty Group Engineers & Surveyors				
TBE Job No. IL09510483, 549, 616 SUE Plan Pages: 6 of 6				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	886	256
Contract No. 60L70				
FED. ROAD DIST. NO. [ILLINOIS] IDOT Project No.				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 from Dan Ryan Expressway to Lake Shore Drive
Chicago, Illinois

DESIGNED <i>JP</i>	REVISED <i>12/16/12</i>
DRAWN <i>SRK</i>	ADDED TH'S # 1-7
CHECKED <i>KFS</i>	REVISED <i>5/23/14</i>
DATE <i>8/31/12</i>	ADDED TH'S # 8-13



VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	EXISTING TOP ELEVATION	EXISTING CUT	REFERENCE ELEVATION	COMMENTS
1	SEE NOTE W	1888596.81	1180736.55	591.11'	7.04'	598.15'	QUALITY LEVEL "A"
2	8" G	1888703.16	1180373.27	597.01'	4.41'	601.42'	QUALITY LEVEL "A"
3	SEE NOTE G	1888127.97	1180062.93	578.53'	12.27'	590.80'	QUALITY LEVEL "A"
4	8" W	1887982.08	1179528.27	589.84'	5.26'	595.10'	QUALITY LEVEL "A"
5	36" W	1887969.87	1179530.63	590.91'	3.69'	594.60'	QUALITY LEVEL "A"
6	8" W	1887977.25	1179380.92	589.74'	6.14'	595.88'	QUALITY LEVEL "A"
7	36" W	1887968.25	1179379.95	591.37'	4.14'	595.51'	QUALITY LEVEL "A"
8	8" G	1888172.02	1180156.58	587.33'	3.54'	590.87'	QUALITY LEVEL "A"
9	SEE NOTE N/A	1888162.81	1180160.10	585.84'	5.00'	590.84'	QUALITY LEVEL "A"
10	36" W	1888155.55	1180162.03	586.73'	3.88'	590.61'	QUALITY LEVEL "A"
10A	36" W	1888156.42	1180160.81	N/A	N/A	590.65'	QUALITY LEVEL "A"
10B	36" W	1888154.60	1180163.16	N/A	N/A	590.60'	QUALITY LEVEL "A"
11	SEE NOTE W	1888008.50	1179798.17	594.09'	2.05'	596.14'	QUALITY LEVEL "A"
11A	SEE NOTE N/A	1888008.17	1179800.26	593.84'	2.82'	596.66'	QUALITY LEVEL "A"
11B	4"x36" UNK	1888008.17	1179800.26	595.28'	1.38'	596.66'	QUALITY LEVEL "A"
12	SEE NOTE N/A	1888011.89	1179804.28	591.69'	5.00'	596.69'	QUALITY LEVEL "A"
13	36" W	1887968.30	1179370.46	590.69'	4.78'	595.47'	QUALITY LEVEL "A"
13A	SEE NOTE N/A	1887969.79	1179370.59	N/A	N/A	595.49'	QUALITY LEVEL "A"
13B	SEE NOTE N/A	1887966.77	1179370.47	N/A	N/A	595.47'	QUALITY LEVEL "A"
14	48" W	1888063.32	1179918.79	585.68'	5.61'	591.29'	QUALITY LEVEL "A"
14A	48" W	1888065.24	1179918.30	N/A	N/A	591.28'	QUALITY LEVEL "A"
14B	48" W	1888061.38	1179919.22	N/A	N/A	591.29'	QUALITY LEVEL "A"
15	SEE NOTE W	1888098.93	1180049.91	584.37'	6.00	590.37'	QUALITY LEVEL "B"

NOTES

TH #1 - Unable to visually verify the utility due to gravel/fill caving in the test hole. Tapped what we believe to be the utility with the air lance to verify size, shape and depth.

TH #2 - Found 8" Steel main wrapped in yellow FBE.

TH #3 - Unable to visually verify the utility due to sand and huge rocks caving in the test hole. Had to stop digging for safety reasons. Tapped what we believe to be the utility with the air lance to get manual depth. But unable to determine the size.

TH#8 - Found 8" Steel main wrapped in yellow FBE.

TH#9 - Excavated to a depth of 5' and did not find evidence of a water main thrust block. Did encounter a lot of large debris i.e. rocks, concrete, wood.

TH#10 - No evidence of bend or thrust block found. 36" water main was wrapped in black p.e. liner. Reference point was placed in line with top of pipe.

TH#10A - Reference point was placed in line with north edge of pipe.

TH#10B - Reference point was placed in line with South edge of pipe.

TH#11 - Found concrete thrust block almost covering what appeared to be the top crown of pipe. Water main was wrapped in black p.e. liner.

TH#11A - Top of concrete thrust block. Same reference point was used for 11B.

TH#11B - Found a 4"x36" concrete duct/ cap. Could visually see 2 conduits directly underneath this duct/cap which is believed to be the fiber optic. Reference point was placed in line with the western edge of duct/cap.

Reference point same as 11A.

TH#12 - Excavated to a depth of 5' and did find thrust block to be in conflict. Edge of thrust was found to be 2' west of this location.

TH#13 - Reference point placed in line with top of pipe.

TH#13A - Reference point was placed in line with North edge of pipe.

TH#13B - Reference point was placed in line with South edge of pipe.

TH#14A - Reference point was placed in line with North edge of pipe.

TH#14B - Reference point was placed in line with South edge of pipe.

TH#15 - Found large wooden rail road ties, unsure if protection for water main. We were able to probe between 2 of the ties and tapped what is believed to be the water main. Size of pipe could not be determined.

ABBREVIATIONS

G - GAS
 W - WATER
 UNK - UNKNOWN

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.



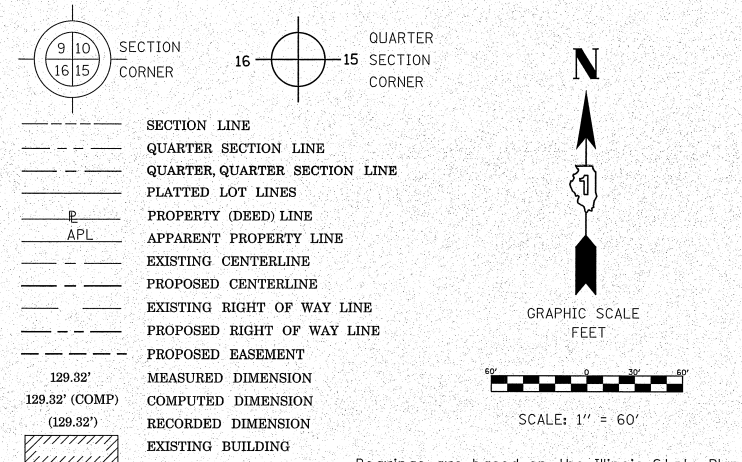
Checked By: _____
 Date: _____

TBE Job No. IL09510549, 616

DESIGNED ER	REVISED: 5/29/14 ADDED TH'S 8-13	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-55 from Dan Ryan Expressway to Lake Shore Drive Chicago, Illinois		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN SRK	REVISED: 11/26/14 ADDED TH'S 14-15				N/A	Cook	886	257	
CHECKED KFS	REVISED				Contract No. 60L70				
DATE 12/16/13	REVISED				SHEET NO.	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS

PART OF THE NE 1/4 OF SECTION 27, TWP. 39 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LEGEND



Bearings are based on the Illinois State Plane Coordinate System, East Zone, NAD83.

PROJECT COORDINATES
STATIONED FROM RAMP SW
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT NUMBER	NORTHING	EASTING	STATION	OFFSET
13	1888144.66	1179858.55'	93+97.27	-40.67
14	1888186.83	1179964.01'	95+20.23	-57.33
15	1888210.45	1180023.07'	95+90.76	-56.03
16	1888224.71	1180058.74'	96+32.82	-51.52
17	1888365.01	1180206.56'	98+59.14	-57.76
18	1888484.59	1180262.03'	100+07.01	-69.01
19	1888771.64	1180303.15'	103+36.99	-58.37
20	1888639.38	1180343.67'	101+92.08	-24.58
21	1888540.49	1180373.96'	100+98.54	20.58
22	1888344.80	1180288.33'	98+91.15	20.58
23	1888199.47	1180150.53'	96+96.83	20.58
24	1888176.83	1180029.98'	95+82.51	-24.58
41	1888439.68	1180404.84'	100+18.42	80.26
42	1888404.52	1180383.90'	99+82.63	74.77
43	1888380.36	1180340.52'	99+45.46	46.84

PROJECT COORDINATES
STATIONED FROM RAMP NW
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT NUMBER	NORTHING	EASTING	STATION	OFFSET
23	1888199.47	1180150.53'	397+09.40	-21.08
24	1888199.03	1180150.78'	397+09.46	-20.58
25	1888246.29	1180262.15'	398+30.43	-20.58
26	1888286.77	1180451.69'	400+17.57	-20.58
27	1888241.68	1180465.50'	400+31.19	24.58
28	1888204.72	1180279.79'	398+30.43	24.58
29	1888105.50	1180046.00'	395+76.46	24.58
44	1888211.14	1180179.31'	397+40.45	-20.58
45	1888298.90	1180305.67'	398+85.01	-55.38
46	1888331.73	1180355.31'	399+34.44	-75.53
47	1888354.76	1180393.72'	399+69.85	-92.45
48	1888384.99	1180421.60'	399+94.93	-120.02

PROJECT COORDINATES
STATIONED FROM RAMP ES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT NUMBER	NORTHING	EASTING	STATION	OFFSET
1	1887673.60	1180639.54'	503+26.54	63.24
2	1887700.69	1180631.24'	502+96.03	55.87
3	1887760.57	1180546.55'	501+82.17	83.69
4	1887858.08	1180475.87'	500+50.48	51.32
5	1887914.61	1180204.33'	497+37.05	75.00
6	1887938.95	1180184.26'	497+16.36	51.18
7	1887945.14	1180081.03'	496+13.01	47.65
8	1887917.63	1180087.05'	496+19.72	75.00
9	1887947.80	1180036.72'	495+68.64	46.13
12	1887954.74	1179920.98'	494+52.76	42.16
31	1887968.34	1180075.97'	496+07.35	24.58
36	1888021.39	1180287.87'	498+13.26	-38.56
37	1888009.84	1180218.19'	497+48.24	-20.58
38	1887872.28	1180578.67'	501+27.57	-20.58
39	1887784.20	1180605.65'	502+08.27	24.58
56	1888005.84	1180268.77'	497+97.24	-20.58
57	1888008.11	1180280.39'	498+08.05	-24.35
58	1888030.65	1180332.49'	498+52.28	-55.78

PROJECT COORDINATES
STATIONED FROM RAMP EN
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

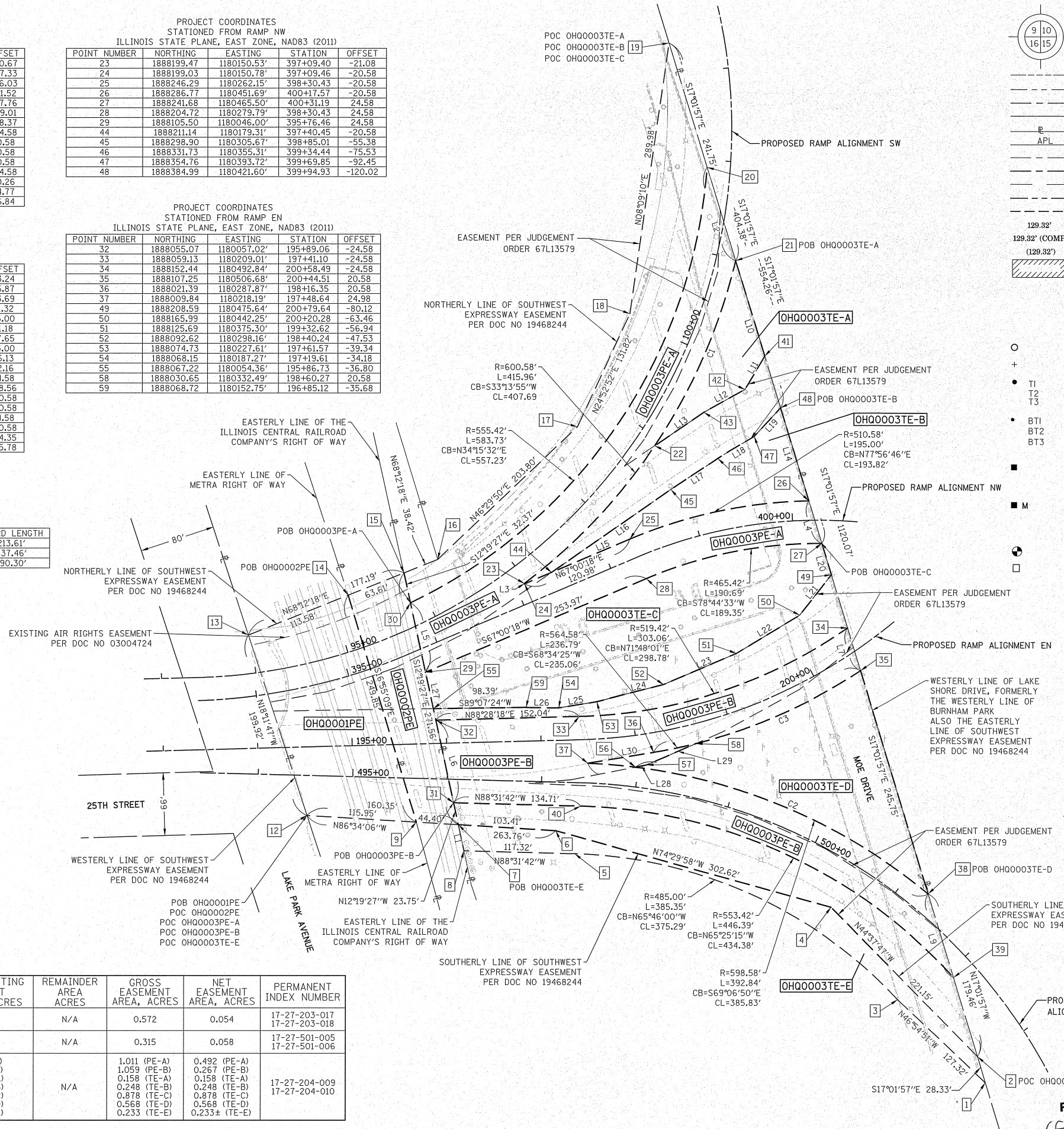
POINT NUMBER	NORTHING	EASTING	STATION	OFFSET
32	1888055.07	1180057.02'	195+89.06	-24.58
33	1888059.13	1180209.01'	197+41.10	-24.58
34	1888152.44	1180492.84'	200+58.49	-24.58
35	1888107.25	1180506.68'	200+44.51	20.58
36	1888021.39	1180287.87'	198+16.35	20.58
37	1888009.84	1180218.19'	197+48.64	24.98
49	1888208.59	1180475.64'	200+79.64	-80.12
50	1888165.99	1180442.25'	200+20.28	-63.46
51	1888125.69	1180375.30'	199+32.62	-56.94
52	1888092.62	1180298.16'	198+40.24	-47.53
53	1888074.73	1180227.61'	197+61.57	-39.34
54	1888068.15	1180187.27'	197+19.61	-34.18
55	1888067.22	1180054.36'	195+86.73	-36.80
58	1888030.65	1180332.49'	198+60.27	20.58
59	1888068.72	1180152.75'	196+85.12	-35.68

CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C1	600.58'	214.75'	N 23° 38' 04" E	213.61'
C2	598.58'	342.09'	N 66° 41' 07" W	337.46'
C3	564.58'	191.21'	N 66° 15' 38" E	190.30'

LINE	DIRECTION	DISTANCE
L1	N 12° 19' 27" W	28.17'
L2	S 17° 01' 57" E	103.43'
L3	S 29° 41' 19" E	0.50'
L4	S 17° 01' 57" E	47.15'
L5	N 12° 19' 27" W	75.05'
L6	N 12° 19' 27" W	88.77'
L7	S 17° 01' 57" E	47.26'
L9	S 17° 01' 57" E	92.12'
L10	S 17° 01' 57" E	105.43'
L11	S 30° 47' 5" W	40.93'
L12	S 60° 52' 49" W	49.65'
L13	S 55° 44' 11" W	63.15'
L14	S 17° 01' 57" E	102.73'
L15	S 67° 00' 18" W	89.99'
L16	N 55° 13' 17" E	153.85'
L17	N 56° 31' 00" E	59.52'
L18	N 59° 03' 15" E	44.78'
L19	N 42° 40' 53" E	41.12'
L20	S 17° 01' 57" E	34.61'
L21	S 38° 05' 09" W	54.12'
L22	S 58° 57' 10" W	78.15'
L23	S 66° 47' 43" W	83.94'
L24	S 75° 46' 19" W	72.78'
L25	S 80° 44' 22" W	40.88'
L26	S 89° 03' 04" W	34.53'
L27	N 12° 19' 27" W	39.19'
L28	N 78° 57' 07" E	11.84'
L29	N 66° 36' 45" E	56.76'
L30	S 80° 35' 20" W	70.63'

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING EASEMENT, ACRES	REMAINDER AREA ACRES	GROSS EASEMENT AREA, ACRES	NET EASEMENT AREA, ACRES	PERMANENT INDEX NUMBER
OH00001PE	5.146	N/A	0.518	N/A	0.572	0.054	17-27-203-017 17-27-203-018
OH00002PE	3.203	N/A	0.257	N/A	0.315	0.058	17-27-501-005 17-27-501-006
OH00003PE-A	13.572	N/A	0.519 (PE-A)	N/A	1.011 (PE-A)	0.492 (PE-A)	17-27-204-009 17-27-204-010
OH00003PE-B			0.792 (PE-B)		0.267 (PE-B)		
OH00003TE-A			0.000 (TE-A)		0.158 (TE-A)	0.158 (TE-A)	
OH00003TE-B			0.000 (TE-B)		0.248 (TE-B)	0.248 (TE-B)	
OH00003TE-C			0.000 (TE-C)		0.878 (TE-C)	0.878 (TE-C)	
OH00003TE-D	0.000 (TE-D)	0.568 (TE-D)	0.568 (TE-D)				
OH00003TE-E	0.000 (TE-E)	0.233 (TE-E)	0.233± (TE-E)				



STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, DB STERLIN CONSULTANTS, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001909, HAVE SURVEYED THE PLAT SHOWN HEREON IN SECTION 19, TOWNSHIP 36 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 21ST DAY OF JANUARY, 2014 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3134
LICENSE EXPIRATION DATE: NOV. 30, 2014

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



DBS DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857-1006 FAX. (312)857-1056

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
I-55

SECTION: AT LAKE SHORE DRIVE COUNTY: COOK
PROJECT JOB NO.: R-90-027-11
STATION: 17-27-204-009
SCALE: 1" = 60' SHEET: 258 OF 886

RECEIVED
APR 14 2014
PLATS & LEGALS

ELECTRICAL SYMBOLS FOR PROPOSED WORK

- III
LIGHTING UNIT: TYPE AS INDICATED
CONVENTIONAL IDOT LIGHTING UNIT:
47'-6" M.H., 6'-0" FT. DAVIT ARM(S), 400W HPS
M-C-III LUMINAIRE, 240V (PHASE TO NEUTRAL)
PARAPET WALL MOUNTED
- II
CONVENTIONAL IDOT LIGHTING UNIT:
47'-6" M.H., 6'-0" FT. DAVIT ARM(S), 400W HPS
M-C-II LUMINAIRE, 240V (PHASE TO NEUTRAL)
PARAPET WALL MOUNTED
- III
CONVENTIONAL IDOT LIGHTING UNIT:
47'-6" M.H., 12'-0" FT. DAVIT ARM(S), 400W HPS
M-C-III LUMINAIRE, 240V (PHASE TO NEUTRAL), GROUND
MOUNTED WITH BREAKAWAY TRANSFORMER BASE
- II
CONVENTIONAL IDOT LIGHTING UNIT:
47'-6" M.H., 12'-0" FT. DAVIT ARM(S) 400W HPS
M-C-II LUMINAIRE, 240V (PHASE TO NEUTRAL), GROUND
MOUNTED WITH BREAKAWAY TRANSFORMER BASE
- III
47'-6" M.H., 2-15 FT. DAVIT ARM
2-400W HPS M-C-III LUMINAIRES,
PARAPET WALL MOUNTED
- III
47'-6" M.H., 2-15 FT. DAVIT ARM
2-400W HPS M-C-III LUMINAIRES,
GROUND MOUNTED WITH BREAKAWAY TRANSFORMER BASE
- 50
TEMPORARY LUMINAIRE AND 50' WOOD POLE, 43' M.H.,
15' M.A., 400W HPS M-C-III LUMINAIRE, 240V (PHASE
TO NEUTRAL), GROUND MOUNTED
- 80
TEMPORARY LUMINAIRE AND 80' WOOD POLE, 70' M.H.,
15' M.A., 400W HPS M-C-III LUMINAIRE, 240V (PHASE
TO NEUTRAL) GROUND MOUNTED
- EXISTING LIGHTING UNIT TO BE REMOVED AND
REINSTALLED ON A NEW FOUNDATION
- IDOT UNDERPASS LUMINAIRE:
HPS, 100 WATT HPS WITH TYPE 4 DISTRIBUTION,
240V (PHASE TO NEUTRAL)
- MANHOLE
- ELECTRIC HANDHOLE: TYPE AS INDICATED

- TYPE E1: PRECAST CONCRETE, 21.5"x21.5"x30",
IDOT STANDARD 814001
- TYPE E2: PRECAST CONCRETE-HEAVY DUTY,
22"x22"x30", IDOT STANDARD 814001
- TYPE C1: COMMUNICATIONS VAULT, 49 5/8"x32 1/8"x57"
- TYPE S1: PRECAST CONCRETE-HEAVY DUTY,
22"x22"x36"
- TYPE S2: PRECAST CONCRETE-HEAVY DUTY SPECIAL,
30"x30"x36"

- J
JUNCTION BOX: TYPE AND SIZE AS INDICATED
ON PLANS
- P
PULL BOX: TYPE AND SIZE AS INDICATED
ON PLANS
- T
UTILITY SERVICE TRANSFORMER
- FIBER OPTIC COMMUNICATIONS HUT
- EXISTING LIGHTING UNIT, TWIN LUMINAIRE
- EXISTING LIGHTING UNIT
- EXISTING TEMPORARY LIGHTING UNIT
- EXISTING UNDERPASS LUMINAIRE
- EXISTING MANHOLE
- EXISTING LIGHT FOUNDATION/METAL POLE
- EXISTING JUNCTION BOX
- EXISTING PULL BOX
- EXISTING CONDUIT SPLICE
- EXISTING UTILITY SERVICE TRANSFORMER
- EXISTING FIBER OPTIC COMMUNICATIONS HUT
- EXISTING DOUBLE HANDHOLE
- EXISTING POWER POLE/POWER POLE SERVICE
- EXISTING HEAVY DUTY HANDHOLE
- EXISTING WOOD POLE

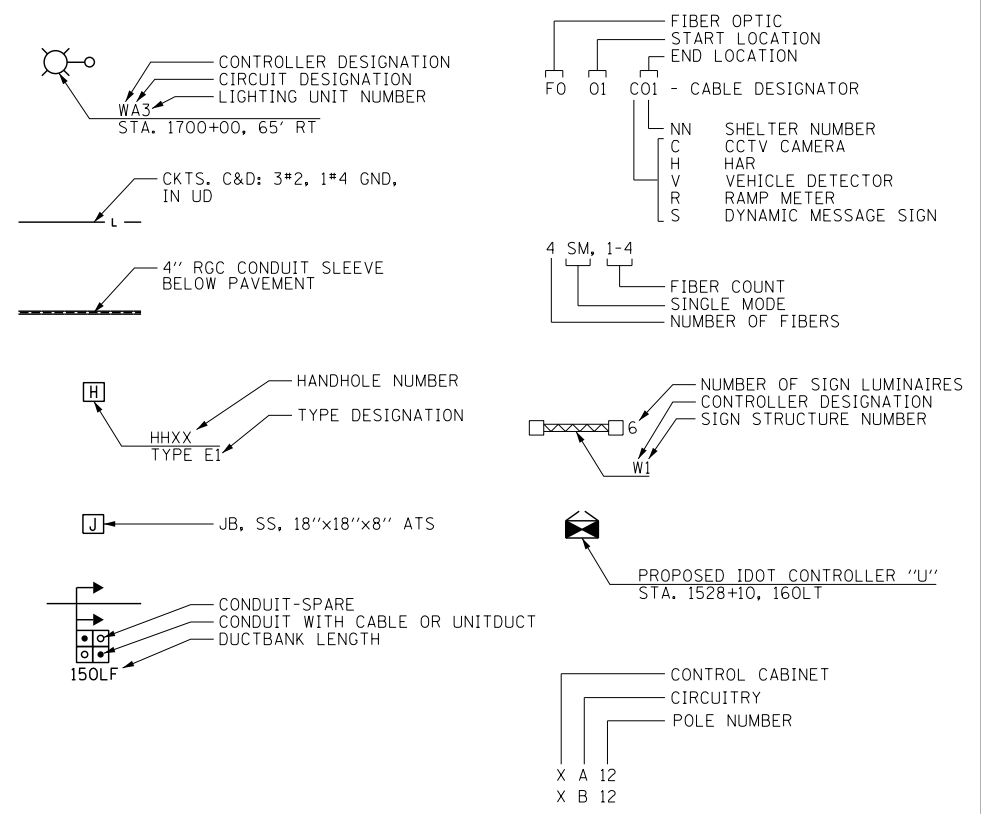
- 4
LIGHTED SIGN STRUCTURE-CANTILEVER TYPE
(NUMBER OF FLUORESCENT FIXTURES AS
INDICATED - TYP.)
- 6
LIGHTED SIGN STRUCTURE-TRUSS TYPE
- 6
LIGHTED SIGN STRUCTURE-BRIDGE MOUNT TYPE
- DYNAMIC MESSAGE SIGN
- FBS
FLASHING BEACON SIGN
- C
CLOSED CIRCUIT TELEVISION CAMERA
- M
MICROWAVE DETECTOR
- V
VIDEO DETECTOR
- DETECTOR LOOP
- MDP
MAIN DISTRIBUTION PANEL (MDP)
- FO
FIBER OPTIC TERMINATION CABINET
- CONTROLLER CABINET: LIGHTING, RADIO CONTROL
DUPLX TYPE WITH SCADA (DOOR SIDE AS
INDICATED)
- CONTROLLER CABINET: SURVEILLANCE
- CONTROLLER CABINET: SURVEILLANCE, TYPE 334
- RAMP METER SIGNAL POLE/HEAD
- RAMP METER FLASHER POST
- T60
TEMPORARY WOOD POLE, 60 FOOT LENGTH
(8 FOOT BURIED, 52 FOOT INSTALLED HEIGHT)
- T80
TEMPORARY WOOD POLE, 80 FOOT LENGTH
(10 FOOT BURIED, 70 FOOT INSTALLED HEIGHT)
- HAR
HIGHWAY ADVISORY RADIO ANTENNA
- ELECTRIC UTILITY POLE
- CCTV CAMERA POLE OR METAL POLE
- POLE MOUNTED ELECTRIC UTILITY TRANSFORMER(S)

ELECTRICAL SYMBOLS FOR EXISTING CONDITIONS

- TR
EXISTING TRANSCLOSURE
- H_E
EXISTING HANDHOLE
- 4
EXISTING LIGHTED SIGN STRUCTURE-
CANTILEVER TYPE
- 6
EXISTING LIGHTED SIGN STRUCTURE-TRUSS TYPE
- 6
EXISTING LIGHTED SIGN STRUCTURE-
BRIDGE MOUNT TYPE
- EXISTING DYNAMIC MESSAGE SIGN
- FBS
EXISTING FLASHING BEACON SIGN
- C
EXISTING CLOSED CIRCUIT TELEVISION CAMERA
- M
EXISTING MICROWAVE DETECTOR
- EXISTING DETECTOR LOOP
- EXISTING LIGHTING CONTROLLER, DUPLEX
- EXISTING CONTROLLER CABINET
- EXISTING GROUND ROD
- EXISTING PRIORITY VEHICLE DETECTOR

- PAD MOUNTED ELECTRIC UTILITY TRANSFORMER
- GROUND ROD
- MAIN SERVICE FUSED DISCONNECT SWITCH
(RATING AS INDICATED)
- PHOTOCELL
- LIGHT FOUNDATION
- POWER POLE/POWER POLE SERVICE
- DOUBLE HANDHOLE
- HEAVY DUTY HANDHOLE
- GULFBOX
- PRIORITY VEHICLE DETECTOR
- CONDUIT SPLICE
- AERIAL CABLE
- FLEXIBLE CONDUIT
- RACEWAY EMBEDDED IN STRUCTURE
- EXPOSED CONDUIT
- FIBER OPTIC CABLE
- RACEWAY OR DIRECT BURIAL CABLE
UNDERGROUND WITHOUT ENCASEMENT
- RIGID GALVANIZED STEEL CONDUIT
SLEEVE, INSTALLED BELOW PAVEMENT
- UNDERGROUND REINFORCED CONCRETE ENCASED
CONDUIT DUCTBANK, UNLESS NOTED OTHERWISE.
(NUMBER, TYPE, AND SIZE OF DUCTS AS SHOWN)
- CONDUIT TURNED DOWN
- CONDUIT TURNED UP
- EXISTING RAMP METER FLASHER
- EXISTING HIGHWAY ADVISORY RADIO ANTENNA
- EXISTING CCTV CAMERA POLE
- EXISTING UTILITY SERVICE CONNECTION,
POLE MOUNTED
- EXISTING UTILITY SERVICE CONNECTION,
PAD MOUNTED
- EXISTING GULFBOX
- EXISTING VIDEO DETECTOR
- EXISTING GALVANIZED STEEL CONDUIT
- EXISTING UNDERGROUND CABLE
- EXISTING CONCEALED CONDUIT IN STRUCTURE
- EXISTING EXPOSED CONDUIT
- EXISTING UNDERGROUND ELECTRIC CABLE
- EXISTING FIBER OPTIC CABLE
- EXISTING RACEWAY OR DIRECT BURIED CABLE
WITHOUT ENCASEMENT
- EXISTING CONCEALED CONDUIT UNDERGROUND,
TRENCHED OR PUSHED
- EXISTING ELECTRIC CABLE IN CONDUIT SLEEVE
- EXISTING AERIAL CABLE TO REMAIN

GENERAL ELECTRICAL CALLOUTS



TYPICAL EXISTING TO BE REMOVED SYMBOLS

- EXISTING LIGHTING UNIT TO BE REMOVED, UNLESS NOTED OTHERWISE
- EXISTING UNDERPASS LUMINAIRE TO BE REMOVED
- EXISTING JUNCTION BOX TO BE REMOVED
- EXISTING LIGHTED SIGN STRUCTURE-
CANTILEVER TYPE TO BE REMOVED
- EXISTING LIGHTED SIGN STRUCTURE-
TRUSS TYPE TO BE REMOVED
- DYNAMIC MESSAGE SIGN TO BE REMOVED
- FLASHING BEACON SIGN TO BE REMOVED
- EXISTING LIGHTING CONTROLLER, DUPLEX
TO BE REMOVED
- EXISTING CONTROLLER CABINET TO BE REMOVED
- EXISTING DETECTOR LOOP TO BE REMOVED
- EXISTING RAMP METER SIGNAL POLE/HEAD TO BE
REMOVED
- EXISTING RAMP METER FLASHER TO BE REMOVED
- EXISTING POLE MOUNTED UTILITY SERVICE CONNECTION
TO BE REMOVED
- EXISTING UTILITY SERVICE TRANSFORMER TO BE REMOVED
- EXISTING TRANSCLOSURE TO BE REMOVED

FILE NAME = D:\606170-sha-rl-01\IDOT\symbols.dgn



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	DRAWN - CAM	REVISED -
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PLOT DATE = 11/19/2014	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT ELECTRICAL SYMBOLS

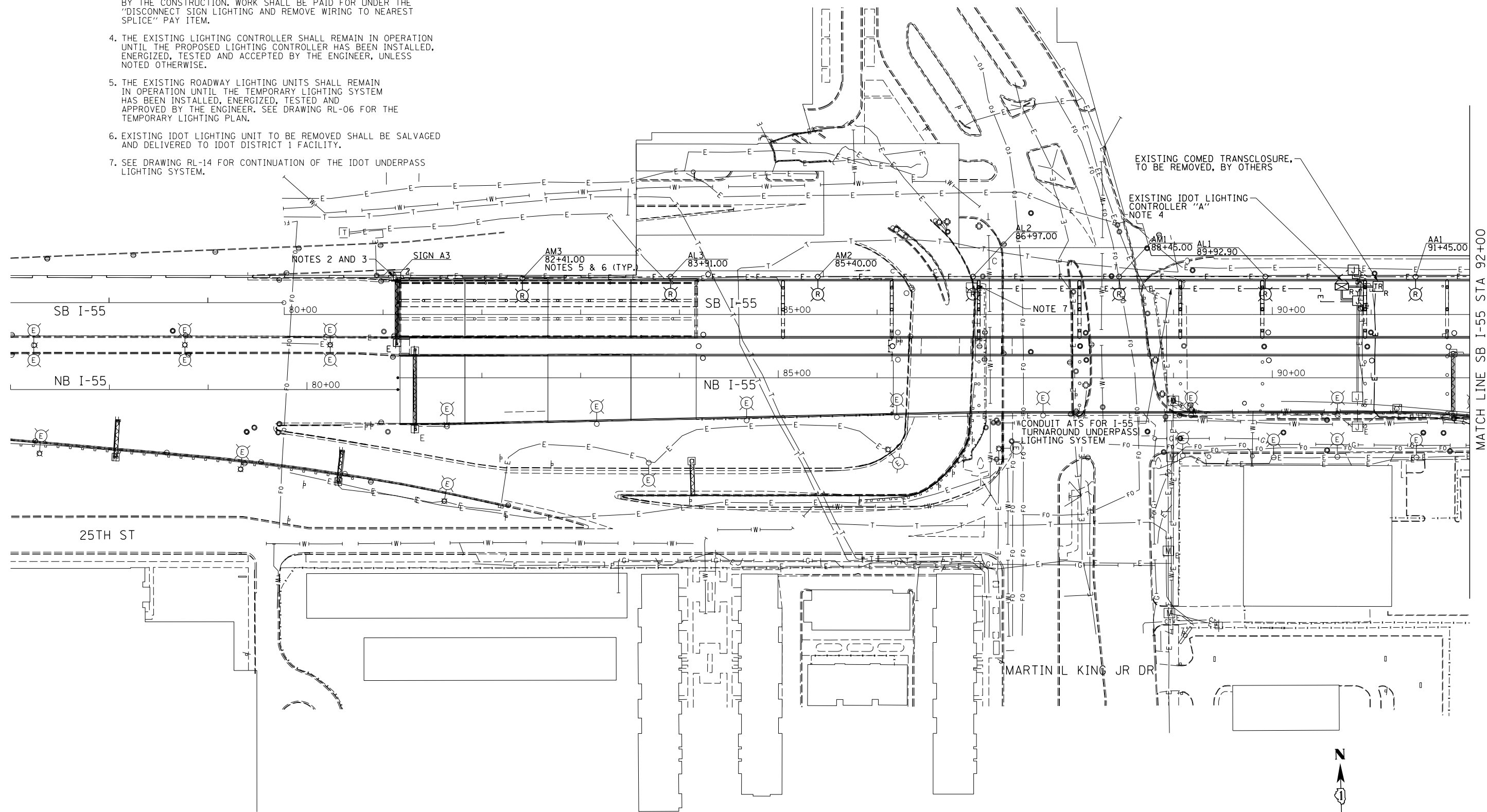
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F.A.I. RTE. 55	SECTION 2010-080-B	COUNTY COOK	TOTAL SHEETS 886	SHEET NO. 259
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

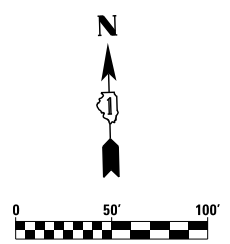
RL-01

NOTES

1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. REMOVE EXISTING SIGN LUMINAIRES, THE SIGN LUMINAIRE REMOVAL SHALL BE PAID FOR UNDER THE "REMOVAL OF LIGHTING UNIT, NO SALVAGE" PAY ITEM.
3. DISCONNECT THE EXISTING SIGN LIGHTING ELECTRICAL FEED AND REMOVE CABLE BACK TO THE NEAREST SPLICE POINT UNAFFECTED BY THE CONSTRUCTION. WORK SHALL BE PAID FOR UNDER THE "DISCONNECT SIGN LIGHTING AND REMOVE WIRING TO NEAREST SPLICE" PAY ITEM.
4. THE EXISTING LIGHTING CONTROLLER SHALL REMAIN IN OPERATION UNTIL THE PROPOSED LIGHTING CONTROLLER HAS BEEN INSTALLED, ENERGIZED, TESTED AND ACCEPTED BY THE ENGINEER, UNLESS NOTED OTHERWISE.
5. THE EXISTING ROADWAY LIGHTING UNITS SHALL REMAIN IN OPERATION UNTIL THE TEMPORARY LIGHTING SYSTEM HAS BEEN INSTALLED, ENERGIZED, TESTED AND APPROVED BY THE ENGINEER. SEE DRAWING RL-06 FOR THE TEMPORARY LIGHTING PLAN.
6. EXISTING IDOT LIGHTING UNIT TO BE REMOVED SHALL BE SALVAGED AND DELIVERED TO IDOT DISTRICT 1 FACILITY.
7. SEE DRAWING RL-14 FOR CONTINUATION OF THE IDOT UNDERPASS LIGHTING SYSTEM.



MATCH LINE SB I-55 STA 92+00



FILE NAME = D:\06\70-Sht-RL-02-Existing.dgn



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING/DEMOLITION
IDOT LIGHTING PLANS**

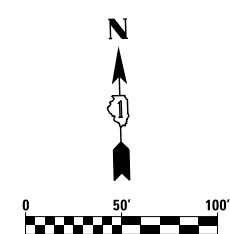
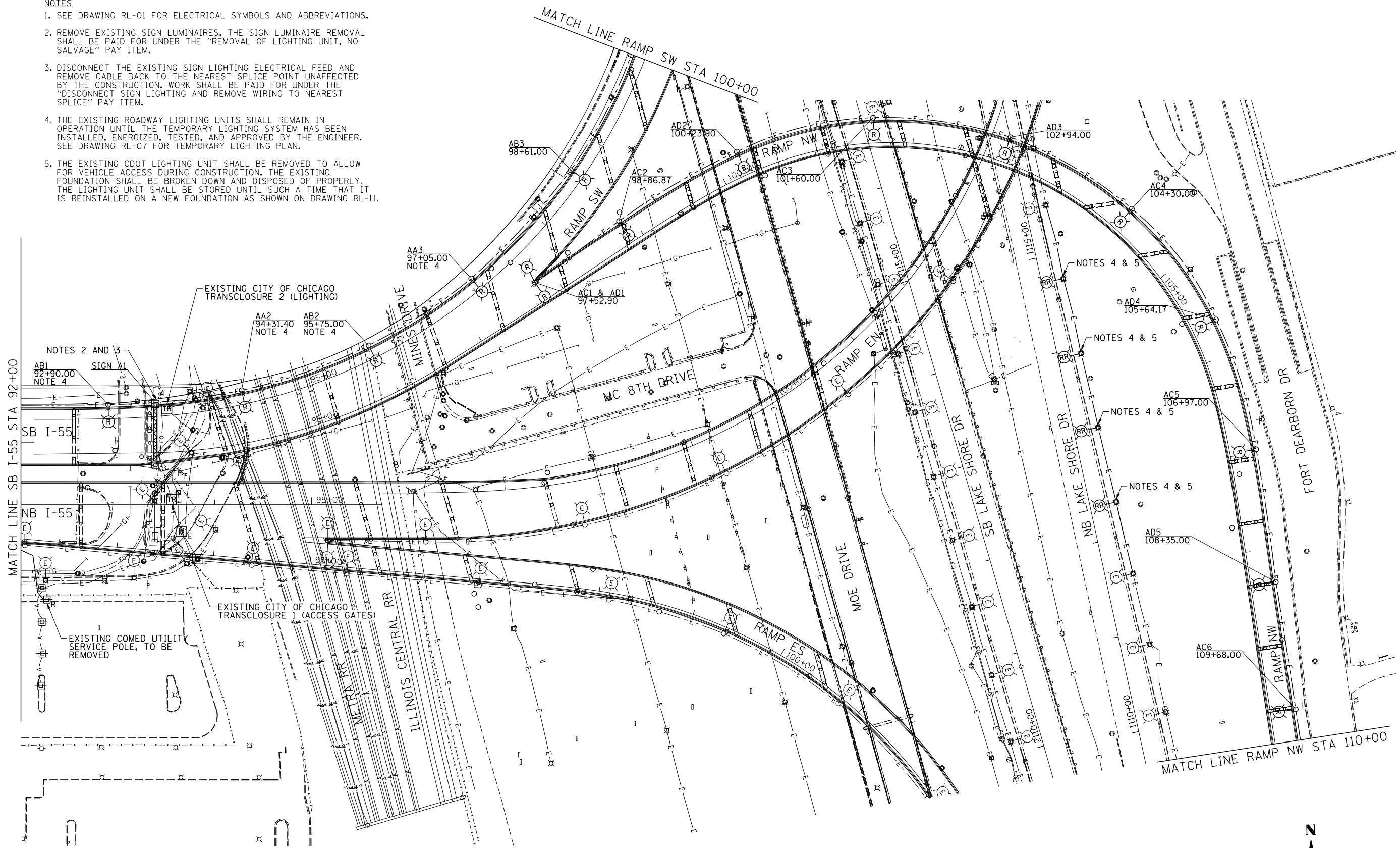
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	260
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

RL-02

NOTES

1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. REMOVE EXISTING SIGN LUMINAIRES. THE SIGN LUMINAIRE REMOVAL SHALL BE PAID FOR UNDER THE "REMOVAL OF LIGHTING UNIT, NO SALVAGE" PAY ITEM.
3. DISCONNECT THE EXISTING SIGN LIGHTING ELECTRICAL FEED AND REMOVE CABLE BACK TO THE NEAREST SPLICE POINT UNAFFECTED BY THE CONSTRUCTION. WORK SHALL BE PAID FOR UNDER THE "DISCONNECT SIGN LIGHTING AND REMOVE WIRING TO NEAREST SPLICE" PAY ITEM.
4. THE EXISTING ROADWAY LIGHTING UNITS SHALL REMAIN IN OPERATION UNTIL THE TEMPORARY LIGHTING SYSTEM HAS BEEN INSTALLED, ENERGIZED, TESTED, AND APPROVED BY THE ENGINEER. SEE DRAWING RL-07 FOR TEMPORARY LIGHTING PLAN.
5. THE EXISTING CDOT LIGHTING UNIT SHALL BE REMOVED TO ALLOW FOR VEHICLE ACCESS DURING CONSTRUCTION. THE EXISTING FOUNDATION SHALL BE BROKEN DOWN AND DISPOSED OF PROPERLY. THE LIGHTING UNIT SHALL BE STORED UNTIL SUCH A TIME THAT IT IS REINSTALLED ON A NEW FOUNDATION AS SHOWN ON DRAWING RL-11.



RL-03

FILE NAME = D:\60L70-Sht-RL03-Existing.dgn



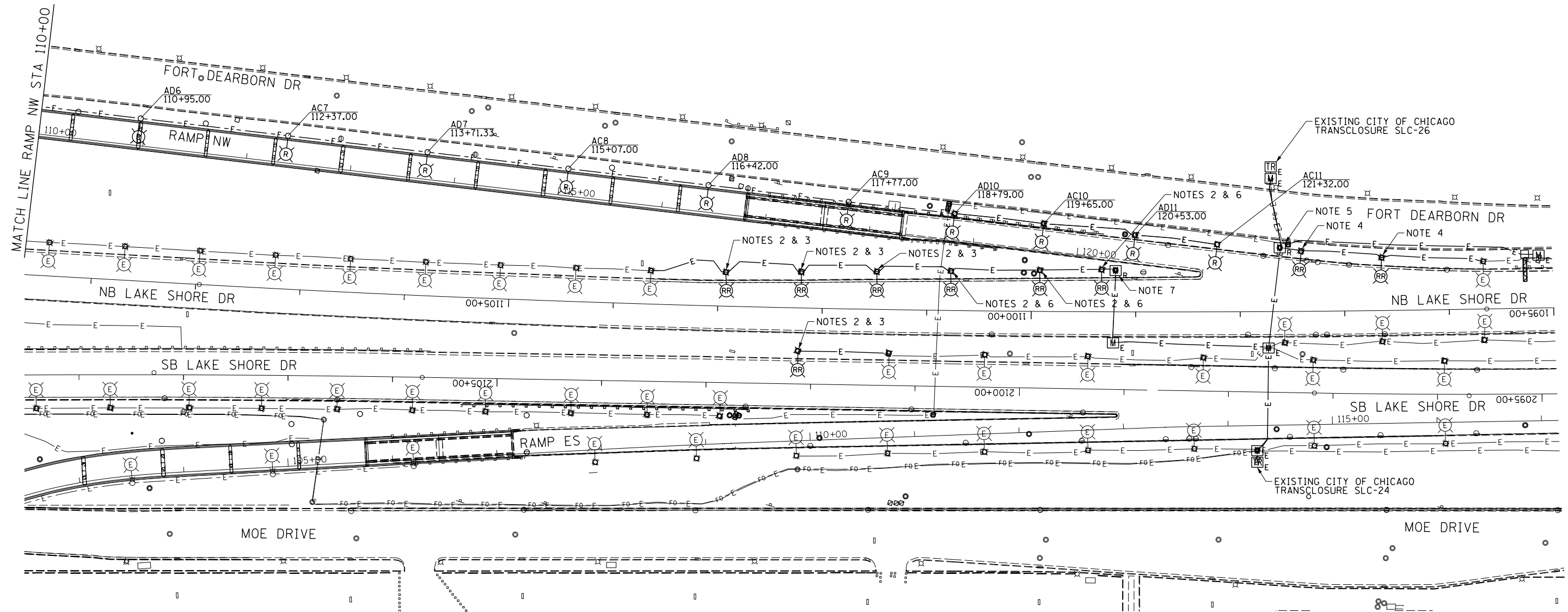
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING/DEMOLITION
IDOT LIGHTING PLANS**

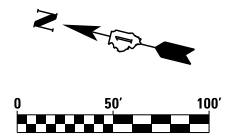
SCALE: 1" = 50' SHEET NO. 3 OF 31 SHEETS STA. 92+00 TO STA. 110+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	261
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				



NOTES

1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. THE EXISTING ROADWAY LIGHTING UNITS SHALL REMAIN IN OPERATION UNTIL THE TEMPORARY LIGHTING SYSTEM HAS BEEN INSTALLED, ENERGIZED, TESTED, AND APPROVED BY THE ENGINEER. SEE DRAWING RL-08 FOR TEMPORARY LIGHTING PLANS.
3. THE EXISTING CDOT LIGHTING UNIT SHALL BE REMOVED TO ALLOW FOR VEHICLE ACCESS DURING CONSTRUCTION. THE EXISTING FOUNDATION SHALL BE BROKEN DOWN AND DISPOSED OF PROPERLY. THE LIGHTING UNIT SHALL BE STORED UNTIL SUCH A TIME THAT IT IS REINSTALLED ON A NEW FOUNDATION AS SHOWN ON DRAWING RL-12.
4. THE EXISTING CDOT LIGHTING UNIT SHALL BE REMOVED AND RELOCATED DUE TO THE INSTALLATION OF A NEW BARRIER WALL. THE EXISTING FOUNDATION SHALL BE BROKEN DOWN AND DISPOSED OF PROPERLY. THE LIGHTING UNIT SHALL BE STORED UNTIL SUCH A TIME THAT IT IS REINSTALLED ON A NEW FOUNDATION AS SHOWN ON DRAWING RL-12.
5. THE EXISTING CITY MANHOLE SHALL BE REMOVED AND DISPOSED OF PROPERLY. THE EXISTING LIGHTING, DATA, FIBER OPTIC AND POWER CABLES CURRENTLY LOCATED WITHIN THE MANHOLE SHALL BE PULLED BACK TO THE NEAREST MANHOLE/HANDHOLE UNAFFECTED BY THE CONSTRUCTION AND COILED FOR REUSE. THE EXISTING MANHOLE SHALL NOT BE REMOVED UNTIL THE PROPOSED MANHOLE, CONDUIT AND CABLES SHOWN ON DRAWING RL-12 HAVE BEEN INSTALLED AND THE NEW LIGHTING CIRCUITS ARE READY FOR CONNECTION TO PROVIDE POWER TO THE EXISTING CITY LIGHTING SYSTEM. THE EXISTING LIGHTING SYSTEM SHALL REMAIN IN SERVICE DURING ALL NIGHTTIME HOURS. IF REQUIRED, THE CONTRACTOR SHALL PROVIDE ALL THE NECESSARY MATERIALS AND LABOR TO TEMPORARILY FEED THE EXISTING LIGHTING SYSTEM, AS SHOWN ON RL-08, UNTIL THE PERMANENT FEED IS INSTALLED.
6. THE EXISTING CDOT LIGHTING UNITS SHALL BE REMOVED TO ALLOW FOR TEMPORARY PAVEMENT WORK TO BE COMPLETED. THE EXISTING FOUNDATION SHALL BE BROKEN DOWN AND DISPOSED OF PROPERLY. THE LIGHTING UNIT SHALL BE STORED UNTIL SUCH A TIME THAT IT IS REINSTALLED ON A NEW FOUNDATION AS SHOWN ON DRAWING RL-12.
7. THE EXISTING CITY MANHOLE SHALL BE REMOVED AND DISPOSED OF PROPERLY. THE EXISTING LIGHTING CABLES CURRENTLY LOCATED WITHIN THE MANHOLE SHALL BE PULLED BACK TO THE NEAREST MANHOLE/HANDHOLE UNAFFECTED BY CONSTRUCTION AND COILED FOR REUSE. THE EXISTING MANHOLE SHALL NOT BE REMOVED UNTIL THE TEMPORARY LIGHTING SYSTEM HAS BEEN INSTALLED, ENERGIZED, TESTED AND APPROVED BY THE ENGINEER. SEE DRAWING RL-08 FOR TEMPORARY LIGHTING SYSTEM.



RL-04

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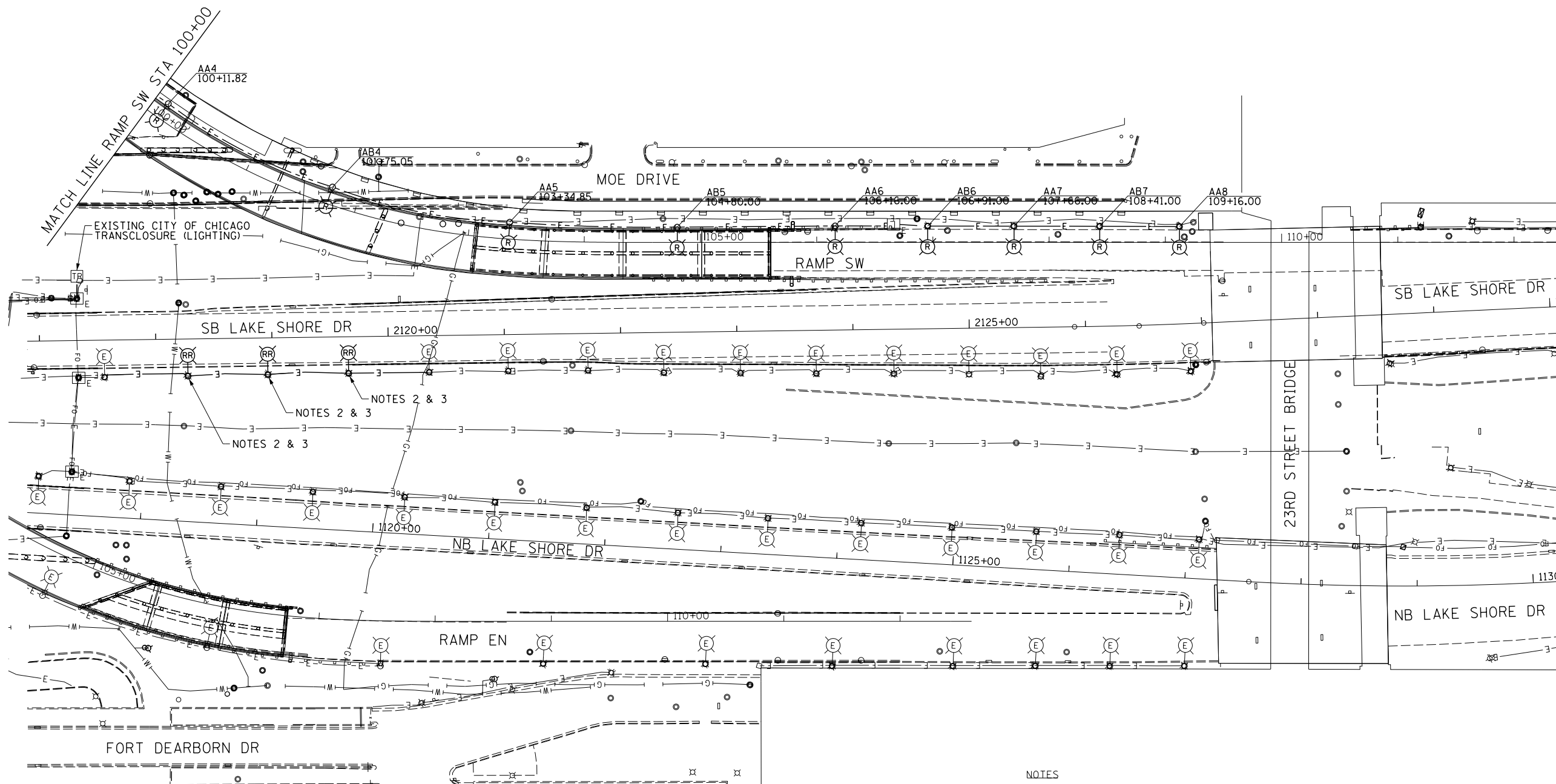
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**STATE OF ILLINOIS
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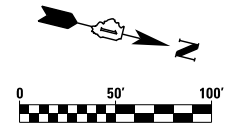
**EXISTING/DEMOLITION
IDOT LIGHTING PLANS**

SCALE: 1" = 50' SHEET NO. 4 OF 31 SHEETS STA. 110+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	262
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				



- NOTES
1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 2. THE EXISTING ROADWAY LIGHTING UNITS SHALL REMAIN IN OPERATION UNTIL THE TEMPORARY LIGHTING SYSTEM HAS BEEN INSTALLED, ENERGIZED, TESTED, AND APPROVED BY THE ENGINEER. SEE DRAWING RL-09 FOR TEMPORARY LIGHTING PLANS.
 3. THE EXISTING CDOT LIGHTING UNIT SHALL BE REMOVED TO ALLOW FOR VEHICLE ACCESS DURING CONSTRUCTION. THE EXISTING FOUNDATION SHALL BE BROKEN DOWN AND DISPOSED OF PROPERLY. THE LIGHTING UNIT SHALL BE STORED UNTIL SUCH A TIME THAT IT IS REINSTALLED ON A NEW FOUNDATION AS SHOWN ON DRAWING RL-13.



RL-05

FILE NAME = D:\60170-Sht-RL-05-Existing.dgn



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DESIGNED - PFD
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

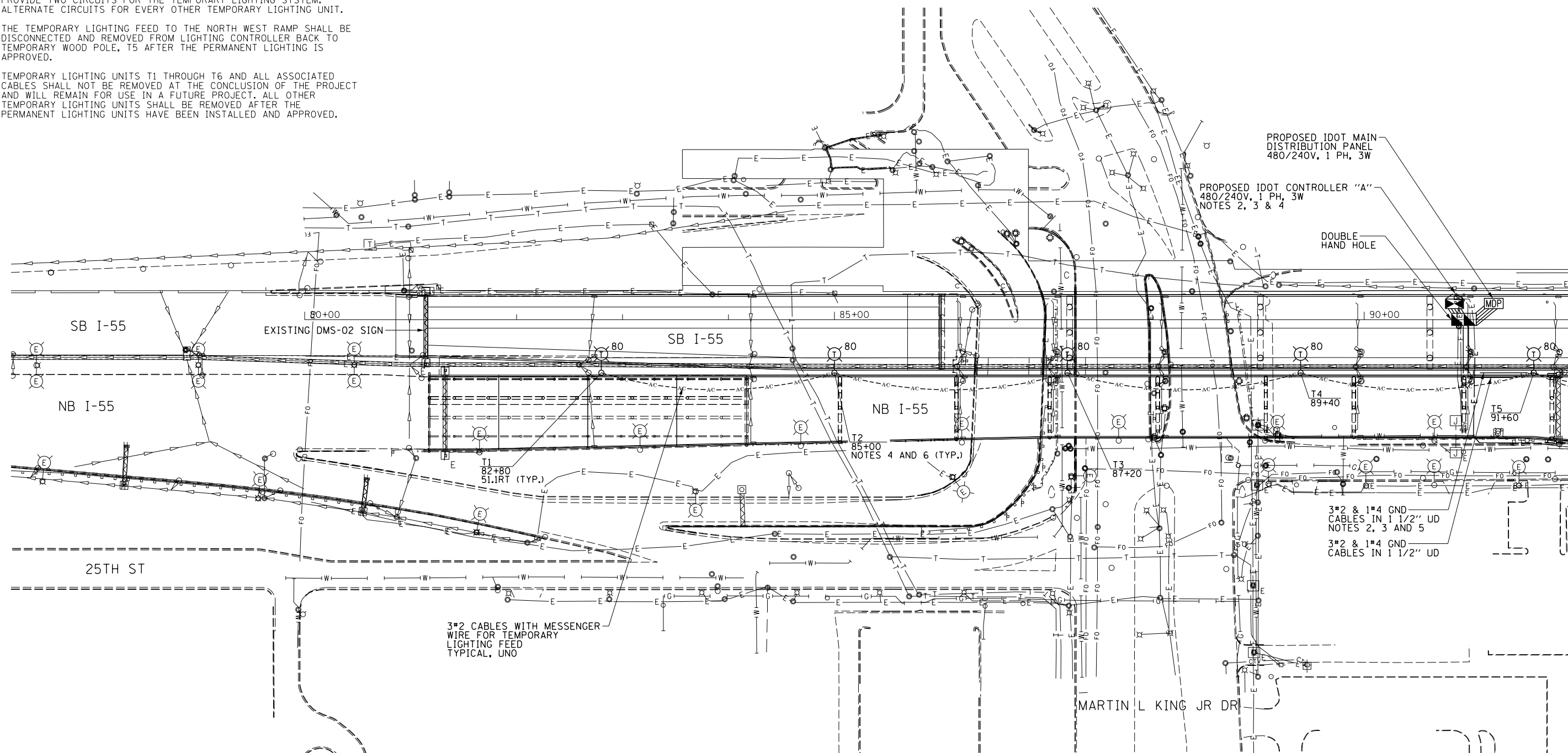
EXISTING/DEMOLITION
 IDOT LIGHTING PLANS

SCALE: 1" = 50' SHEET NO. 5 OF 31 SHEETS STA. 100+00 TO STA.

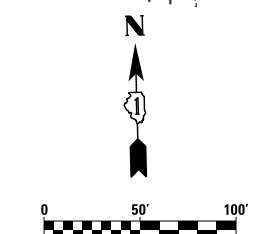
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	263
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

NOTES

1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. THE TEMPORARY LIGHTING SYSTEM SHALL BE INSTALLED PRIOR TO CONSTRUCTION STAGE 2A AND FED FROM THE PROPOSED IDOT LIGHTING CONTROLLER AS SHOWN ON THE PLANS.
3. CONNECT THE TEMPORARY LIGHTING SYSTEM POWER FEED TO SPARE CIRCUITS IN THE PROPOSED LIGHTING CONTROLLER 'A'. IF THE PROPOSED LIGHTING CONTROLLER IS NOT INSTALLED AND OPERATIONAL, THEN THE TEMPORARY LIGHTING SYSTEM MAY BE CONNECTED TO THE SPARE CIRCUITS ON THE EXISTING CONTROLLER.
4. PROVIDE TWO CIRCUITS FOR THE TEMPORARY LIGHTING SYSTEM. ALTERNATE CIRCUITS FOR EVERY OTHER TEMPORARY LIGHTING UNIT.
5. THE TEMPORARY LIGHTING FEED TO THE NORTH WEST RAMP SHALL BE DISCONNECTED AND REMOVED FROM LIGHTING CONTROLLER BACK TO TEMPORARY WOOD POLE, T5 AFTER THE PERMANENT LIGHTING IS APPROVED.
6. TEMPORARY LIGHTING UNITS T1 THROUGH T6 AND ALL ASSOCIATED CABLES SHALL NOT BE REMOVED AT THE CONCLUSION OF THE PROJECT AND WILL REMAIN FOR USE IN A FUTURE PROJECT. ALL OTHER TEMPORARY LIGHTING UNITS SHALL BE REMOVED AFTER THE PERMANENT LIGHTING UNITS HAVE BEEN INSTALLED AND APPROVED.



MATCH LINE SB I-55 STA 92+00



FILE NAME = D:\60L70-Sht-RL-06-Temporary.dgn



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PLOT DATE = 11/19/2014	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY IDOT LIGHTING PLANS

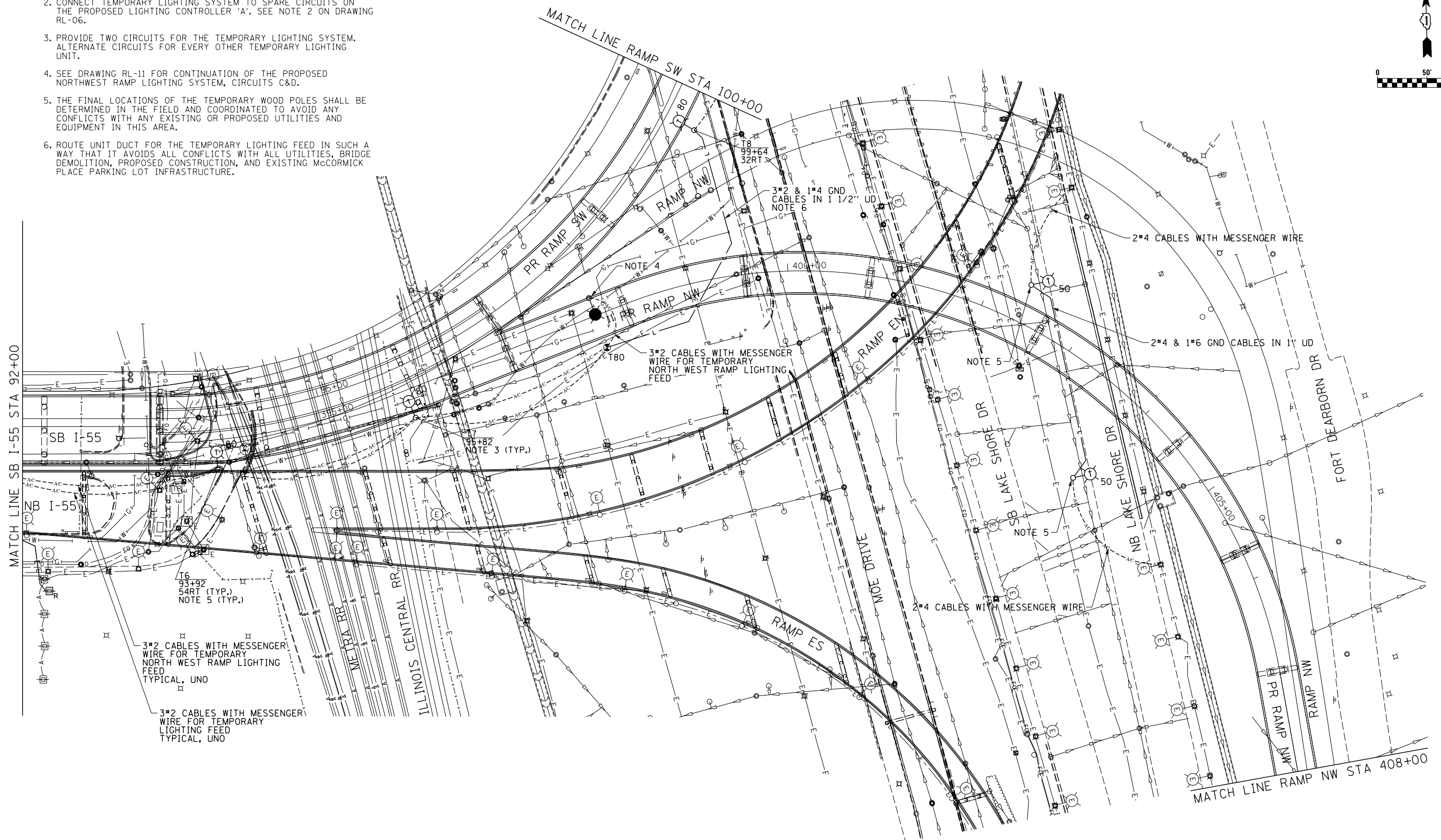
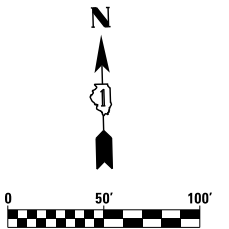
SCALE: 1" = 50' SHEET NO. 6 OF 31 SHEETS STA. 77+00 TO STA. 92+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	264
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

RL-06

NOTES

1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. CONNECT TEMPORARY LIGHTING SYSTEM TO SPARE CIRCUITS ON THE PROPOSED LIGHTING CONTROLLER 'A'. SEE NOTE 2 ON DRAWING RL-06.
3. PROVIDE TWO CIRCUITS FOR THE TEMPORARY LIGHTING SYSTEM. ALTERNATE CIRCUITS FOR EVERY OTHER TEMPORARY LIGHTING UNIT.
4. SEE DRAWING RL-11 FOR CONTINUATION OF THE PROPOSED NORTHWEST RAMP LIGHTING SYSTEM, CIRCUITS C&D.
5. THE FINAL LOCATIONS OF THE TEMPORARY WOOD POLES SHALL BE DETERMINED IN THE FIELD AND COORDINATED TO AVOID ANY CONFLICTS WITH ANY EXISTING OR PROPOSED UTILITIES AND EQUIPMENT IN THIS AREA.
6. ROUTE UNIT DUCT FOR THE TEMPORARY LIGHTING FEED IN SUCH A WAY THAT IT AVOIDS ALL CONFLICTS WITH ALL UTILITIES, BRIDGE DEMOLITION, PROPOSED CONSTRUCTION, AND EXISTING MCCORMICK PLACE PARKING LOT INFRASTRUCTURE.



FILE NAME = D:\60L70-Sht-RL-07_Temporary.dgn



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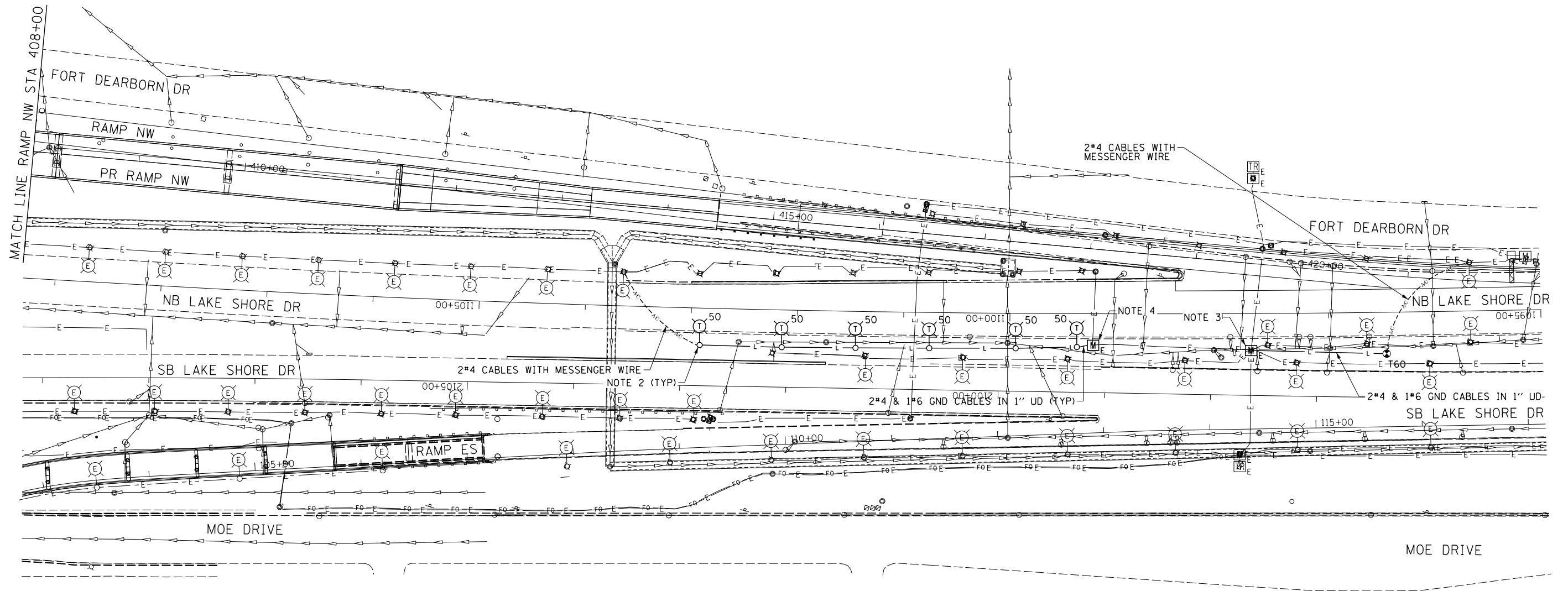
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY IDOT LIGHTING PLANS

SCALE: 1" = 50' SHEET NO. 7 OF 31 SHEETS STA. 92+00 TO STA. 408+00

F.A.I. RTE. 55	SECTION 2010-080-B	COUNTY COOK	TOTAL SHEETS 886	SHEET NO. 265
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

RL-07



- NOTES
1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 2. THE FINAL LOCATIONS OF THE TEMPORARY WOOD POLES SHALL BE COORDINATED TO AVOID CONFLICTS WITH ALL EXISTING OR PROPOSED UTILITIES IN THIS AREA.
 3. THE CONTRACTOR SHALL PROVIDE A TEMPORARY SPLICE FOR CDOT LIGHTING CIRCUIT 24-8 IN THE EXISTING MANHOLE. THE SPLICES SHALL BE INSTALLED PER THE "TYPICAL SPLICE DETAIL" AS SHOWN ON IDOT STANDARD DRAWING BE-702.
 4. THE CONTRACTOR SHALL PROVIDE A TEMPORARY SPLICE FOR CDOT LIGHTING CIRCUIT 24-6 IN THE EXISTING MANHOLE. THE SPLICES SHALL BE INSTALLED PER THE "TYPICAL SPLICE DETAIL" AS SHOWN ON IDOT STANDARD DRAWING BE-702.

FILE NAME = D:\60L70-Sht-RL08.Temporary.dgn



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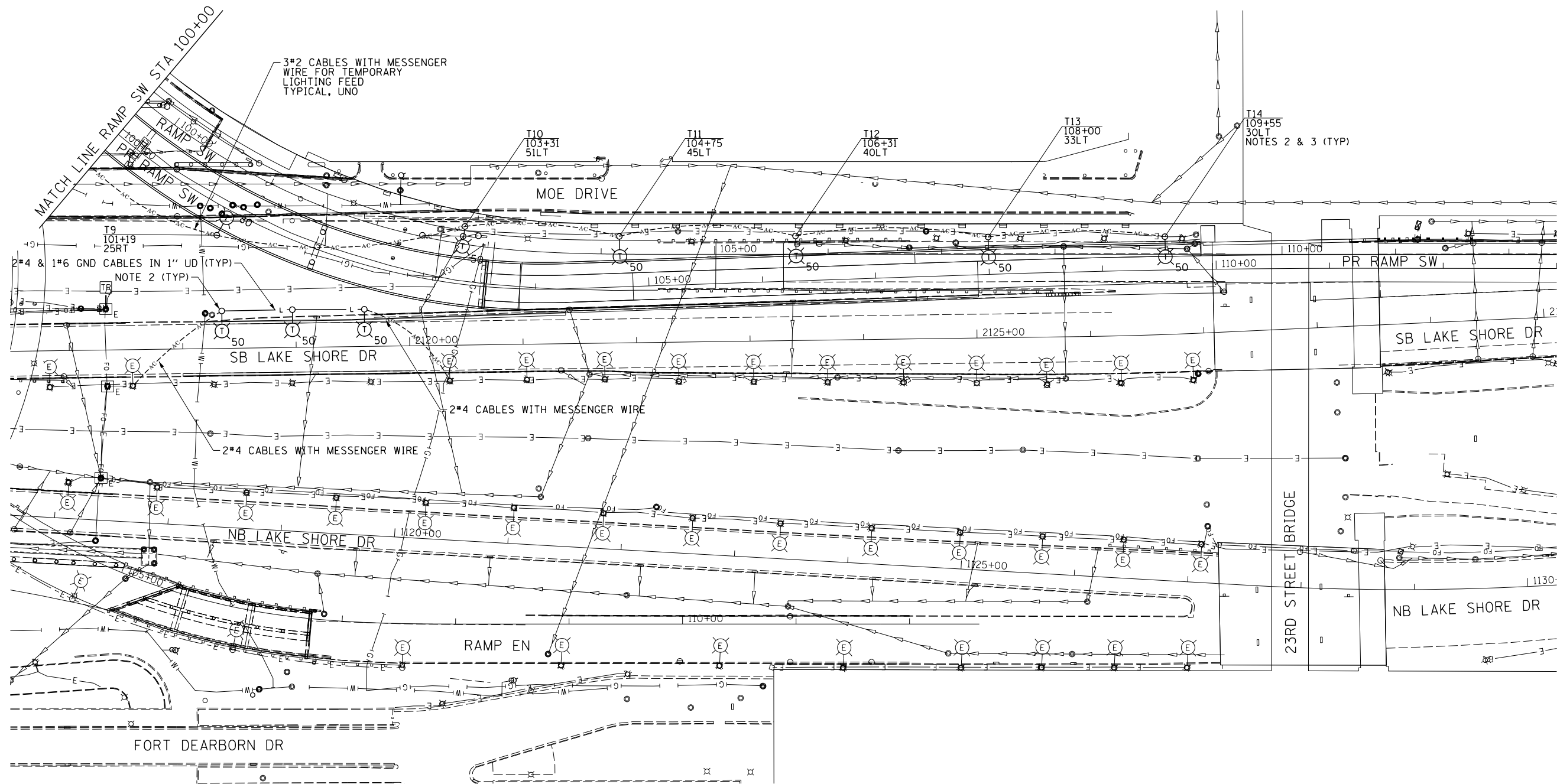
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY IDOT LIGHTING PLANS

SCALE: 1" = 50' SHEET NO. 8 OF 31 SHEETS STA. 408+00 TO STA.

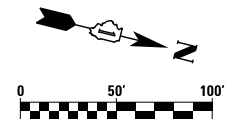
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	266
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

RL-08



NOTES

1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. THE FINAL LOCATIONS OF THE TEMPORARY WOOD POLES SHALL BE DETERMINED IN THE FIELD AND COORDINATED TO AVOID ANY CONFLICTS WITH ANY EXISTING AND PROPOSED UTILITIES, CONSTRUCTION IN THIS AREA, AND THE MCCORMICK PLACE BUILDING STRUCTURE.
3. PROVIDE TWO CIRCUITS FOR THE TEMPORARY LIGHTING SYSTEM. ALTERNATE CIRCUITS FOR EVERY OTHER TEMPORARY LIGHTING UNIT.



RL-09

FILE NAME = D:\60170-Sht-RL-09-Temporary.dgn



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 PLOT DATE = 11/19/2014

DESIGNED - PFD
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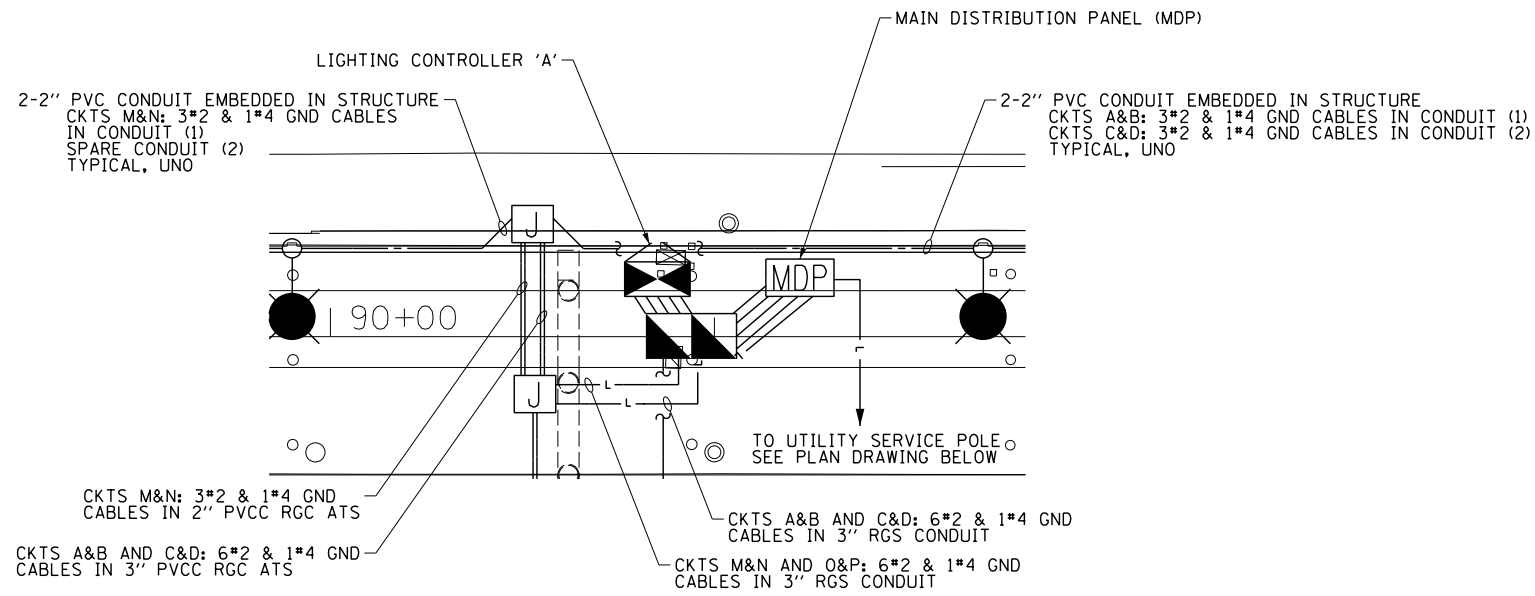
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TEMPORARY IDOT LIGHTING PLANS

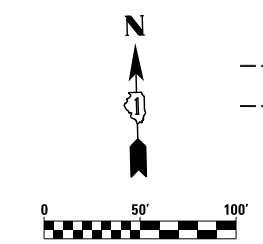
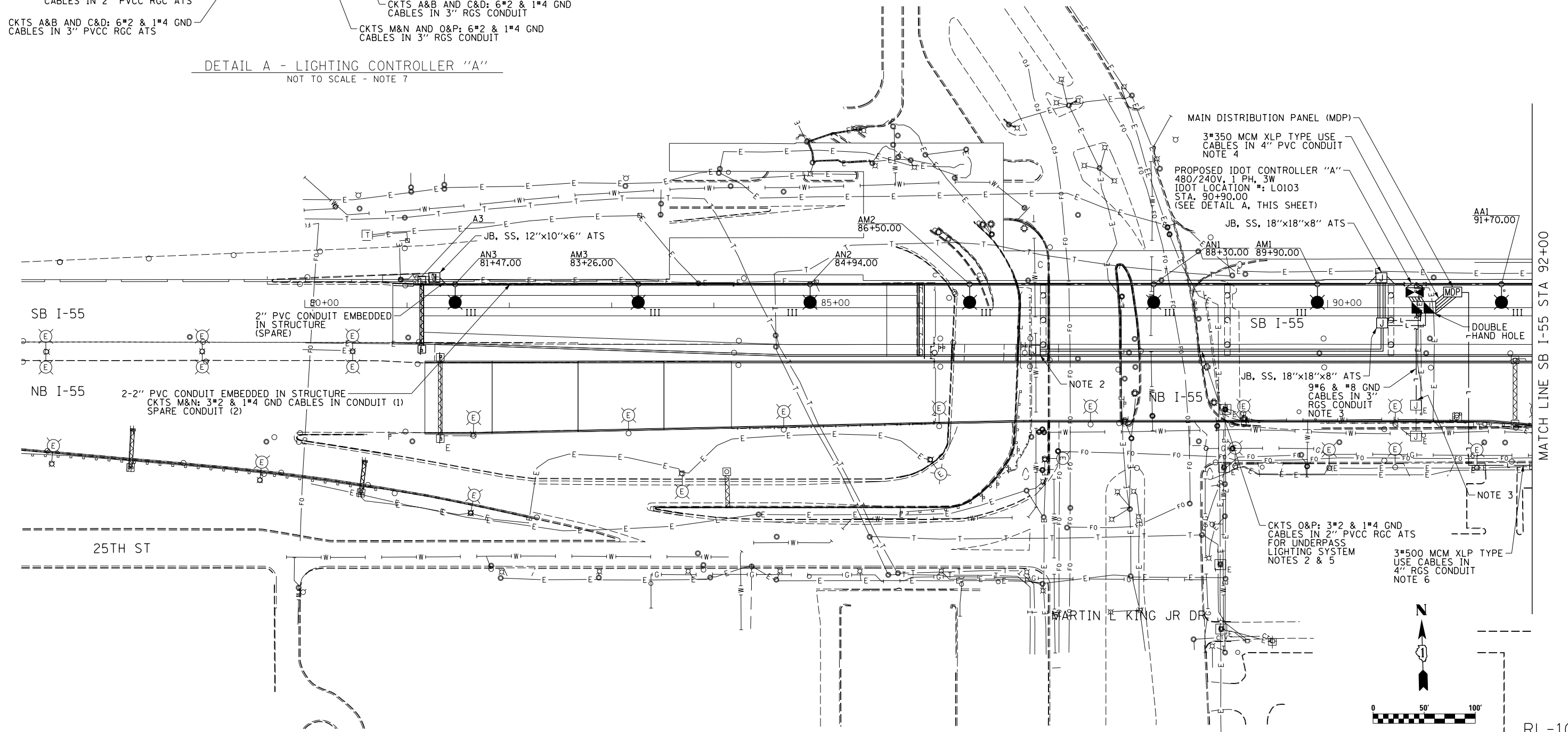
SCALE: 1" = 50' SHEET NO. 9 OF 31 SHEETS STA. 100+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	267
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				



DETAIL A - LIGHTING CONTROLLER "A"
NOT TO SCALE - NOTE 7

- NOTES
- SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - SEE DRAWING RL-15 FOR UNDERPASS LIGHTING SYSTEM LAYOUT AND CONTINUATION OF THE LIGHTING CIRCUITS.
 - PROVIDE A NEW LIGHTING CIRCUIT FEEDS TO THE EXISTING NB I-55 LIGHTING SYSTEM TO REMAIN FROM PROPOSED LIGHTING CONTROLLER 'A' AS SHOWN. CONNECT THE NEW FEEDS TO THE EXISTING LIGHTING CIRCUITS LOCATED IN THE EXISTING JUNCTION PULL BOX ATTACHED TO STRUCTURE.
 - PROVIDE 3 #350MCM CABLES IN CONDUIT FOR THE POWER FEED TO PROPOSED LIGHTING CONTROLLER 'A'. THE POWER FEED SHALL BE ROUTED FROM A CIRCUIT BREAKER IN THE MDP THROUGH THE DOUBLE HANDHOLE TO CONTROLLER 'A'.
 - CLAMP CONDUIT TO THE STRUCTURAL BEAM USING IDOT APPROVED BEAM CLAMPS.
 - UTILITY SERVICE FEED FOR MDP. COORDINATE THE UTILITY SERVICE FEED WORK WITH COMED. ALL WORK MUST BE IN ACCORDANCE WITH COMED STANDARDS AND REQUIREMENTS.
 - SEE DRAWING RL-20 FOR INSTALLATION DETAILS FOR THE MAIN DISTRIBUTION PANEL (MDP), LIGHTING CONTROLLER 'A' AND THE DOUBLE HANDHOLE.



FILE NAME = D:\06\78-Sht-RL10-Proposed.dgn



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

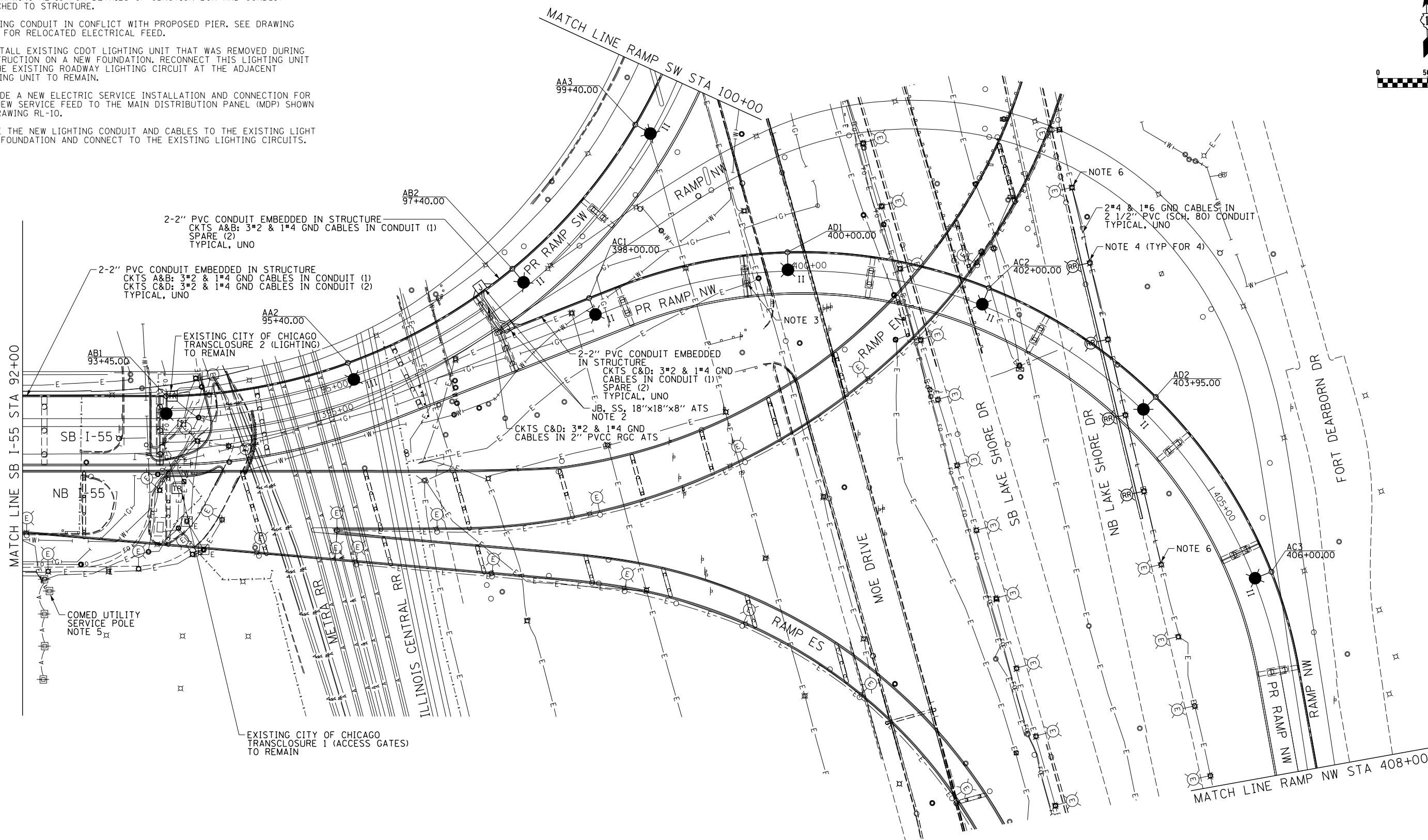
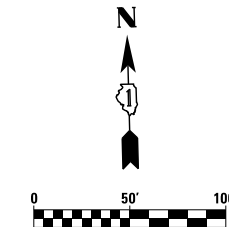
PROPOSED IDOT LIGHTING PLANS
SCALE: 1" = 50'
SHEET NO. 10 OF 31 SHEETS
STA. 77+00 TO STA. 92+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	268
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

RL-10

NOTES

1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. SEE DRAWING RL-18 FOR DETAILS OF JUNCTION BOX AND CONDUIT ATTACHED TO STRUCTURE.
3. EXISTING CONDUIT IN CONFLICT WITH PROPOSED PIER. SEE DRAWING RL-21 FOR RELOCATED ELECTRICAL FEED.
4. REINSTALL EXISTING CDOT LIGHTING UNIT THAT WAS REMOVED DURING CONSTRUCTION ON A NEW FOUNDATION, RECONNECT THIS LIGHTING UNIT TO THE EXISTING ROADWAY LIGHTING CIRCUIT AT THE ADJACENT LIGHTING UNIT TO REMAIN.
5. PROVIDE A NEW ELECTRIC SERVICE INSTALLATION AND CONNECTION FOR THE NEW SERVICE FEED TO THE MAIN DISTRIBUTION PANEL (MDP) SHOWN ON DRAWING RL-10.
6. ROUTE THE NEW LIGHTING CONDUIT AND CABLES TO THE EXISTING LIGHT POLE FOUNDATION AND CONNECT TO THE EXISTING LIGHTING CIRCUITS.



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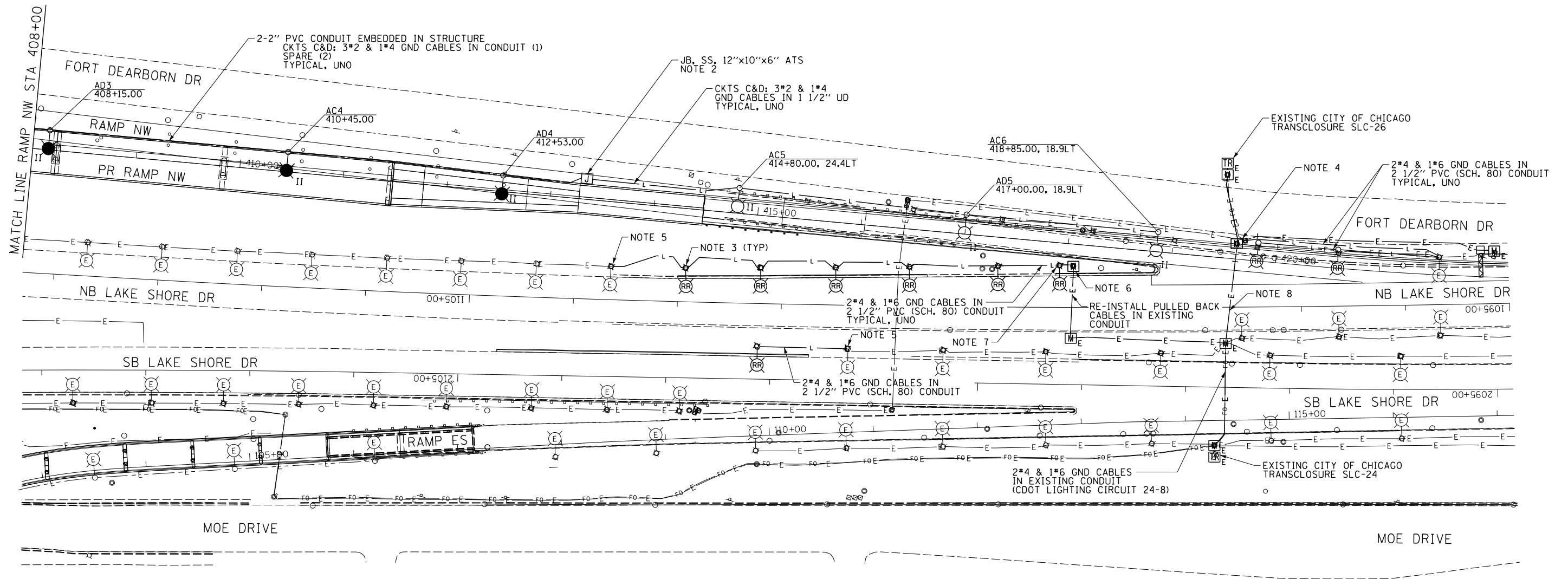
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	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED IDOT LIGHTING PLANS

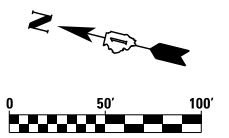
SCALE: 1" = 50' SHEET NO. 11 OF 30 SHEETS STA. 92+00 TO STA. 408+00

F.A.I. RTE. = 55	SECTION = 2010-080-B	COUNTY = COOK	TOTAL SHEETS = 886	SHEET NO. = 269
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				



NOTES

- SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- SEE DRAWING RL-20 FOR EMBEDDED CONDUIT EXITING WALL DETAIL.
- REINSTALL THE EXISTING CDOT LIGHTING UNIT THAT WAS REMOVED DURING CONSTRUCTION ON A NEW FOUNDATION. RECONNECT THIS LIGHTING UNIT TO THE EXISTING LIGHTING CIRCUIT ALONG LAKE SHORE DRIVE.
- PROVIDE A NEW MANHOLE AS SHOWN. THE MANHOLE SHALL BE LOCATED BY THE CONTRACTOR IN THE FIELD TO AVOID ANY CONFLICTS WITH THE PROPOSED BARRIER WALL WORK IN THIS AREA. THE CONTRACTOR SHALL PROVIDE ALL THE NECESSARY WORK AND MATERIALS TO INTERCEPT AND REROUTE THE EXISTING LIGHTING CABLES AND CONDUITS FROM THE EXISTING MANHOLE SHOWN ON RL-04 TO THIS NEW MANHOLE.
- ROUTE THE NEW LIGHTING CONDUIT AND CABLES TO THE EXISTING LIGHT POLE FOUNDATION AND CONNECT TO THE EXISTING LIGHTING CIRCUITS.
- PROVIDE A NEW MANHOLE AS SHOWN. THE CONTRACTOR SHALL PROVIDE ALL THE NECESSARY WORK AND MATERIALS TO INTERCEPT AND REROUTE THE EXISTING CABLES AND CONDUITS FROM THE EXISTING MANHOLE SHOWN ON RL-04 TO THIS NEW MANHOLE.
- RE-INSTALL THE EXISTING CABLES THROUGH THE EXISTING CONDUIT AS SHOWN. ROUTE THE CABLES TO THE RELOCATED LIGHTING UNIT AND CONNECT TO THE CITY LIGHTING CIRCUITS.
- RE-INSTALL THE EXISTING CABLES THROUGH THE EXISTING CONDUITS. ROUTE THE PROPOSED 2*4 & 1*6 GROUND CABLES (CDOT LIGHTING CIRCUIT 24-8) THROUGH THE PROPOSED MANHOLE TO THE EXISTING CDOT LIGHTING UNIT AS SHOWN.



RL-12

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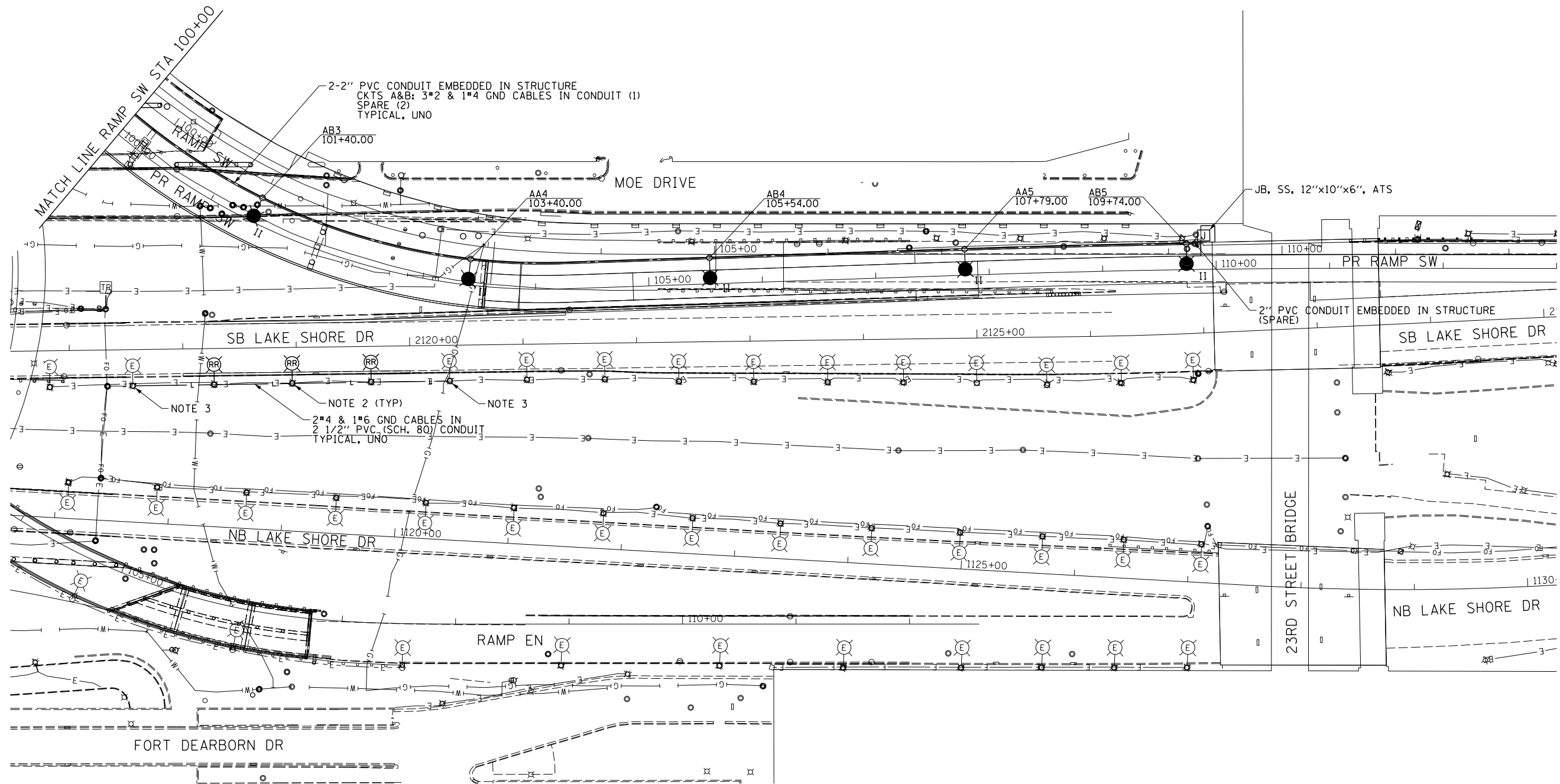
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	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED IDOT LIGHTING PLANS

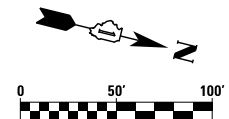
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	270
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				



NOTES

1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. REINSTALL THE EXISTING CDOT LIGHTING UNIT THAT WAS REMOVED DURING CONSTRUCTION ON A NEW FOUNDATION. RECONNECT THIS LIGHTING UNIT TO THE EXISTING LIGHTING CIRCUIT ALONG LAKE SHORE DRIVE.
3. ROUTE THE NEW LIGHTING CONDUIT AND CABLES TO THE EXISTING LIGHT POLE FOUNDATION AND CONNECT TO THE EXISTING LIGHTING CIRCUITS.



FILE NAME = D:\60170-Sht-RL13-Proposed.dgn



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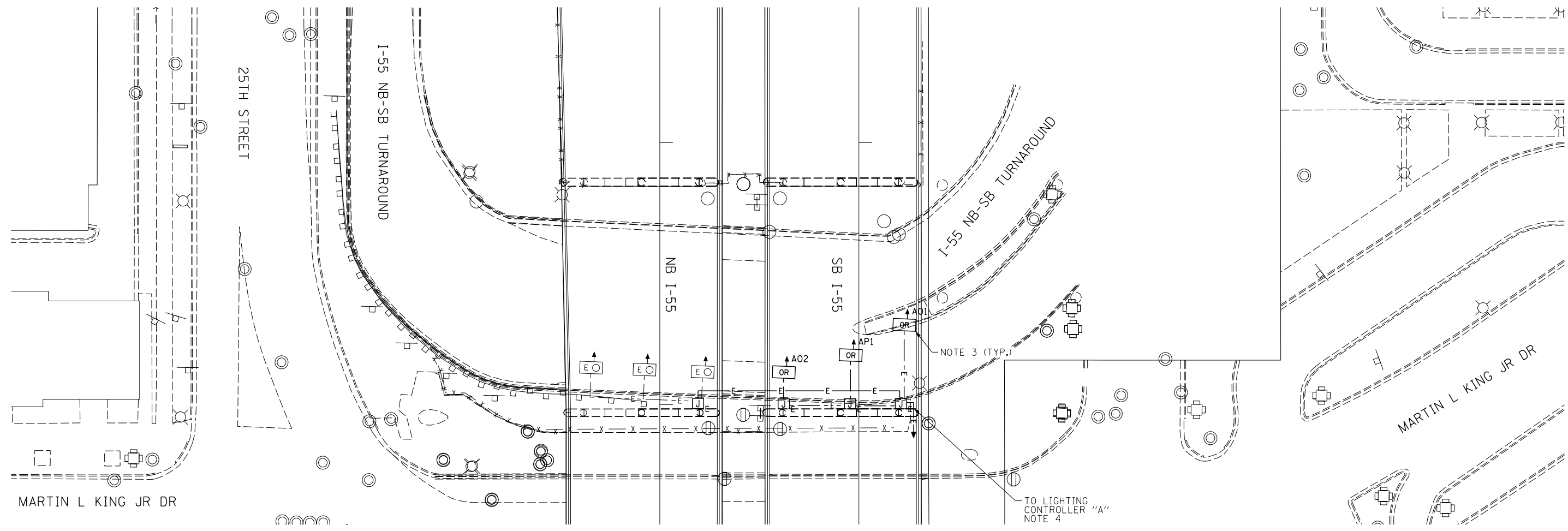
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED IDOT LIGHTING PLANS

SCALE: 1" = 50' SHEET NO. 13 OF 31 SHEETS STA. 100+00 TO STA.

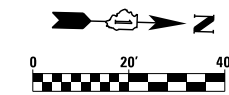
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	271
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

RL-13



NOTES:

1. SEE DRAWING RL-01 FOR 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 REMOVAL OF EXISTING UNDERPASS LUMINAIRES MUST INCLUDE THE REMOVAL OF ALL CABLE, CONDUIT, JUNCTION BOXES AND HARDWARE ASSOCIATED WITH THE EXISTING UNDERPASS LIGHTING. THE COST FOR THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED AS PART OF THE "REMOVAL OF LIGHTING UNIT, SALVAGE" PAY ITEM.
4. SEE DRAWING RL-02 FOR CONTINUATION OF LIGHTING CIRCUIT.



RL-14

FILE NAME = D:\60L70-Sht-RL14.E\IPL_1B5TA.IDOT.dgn



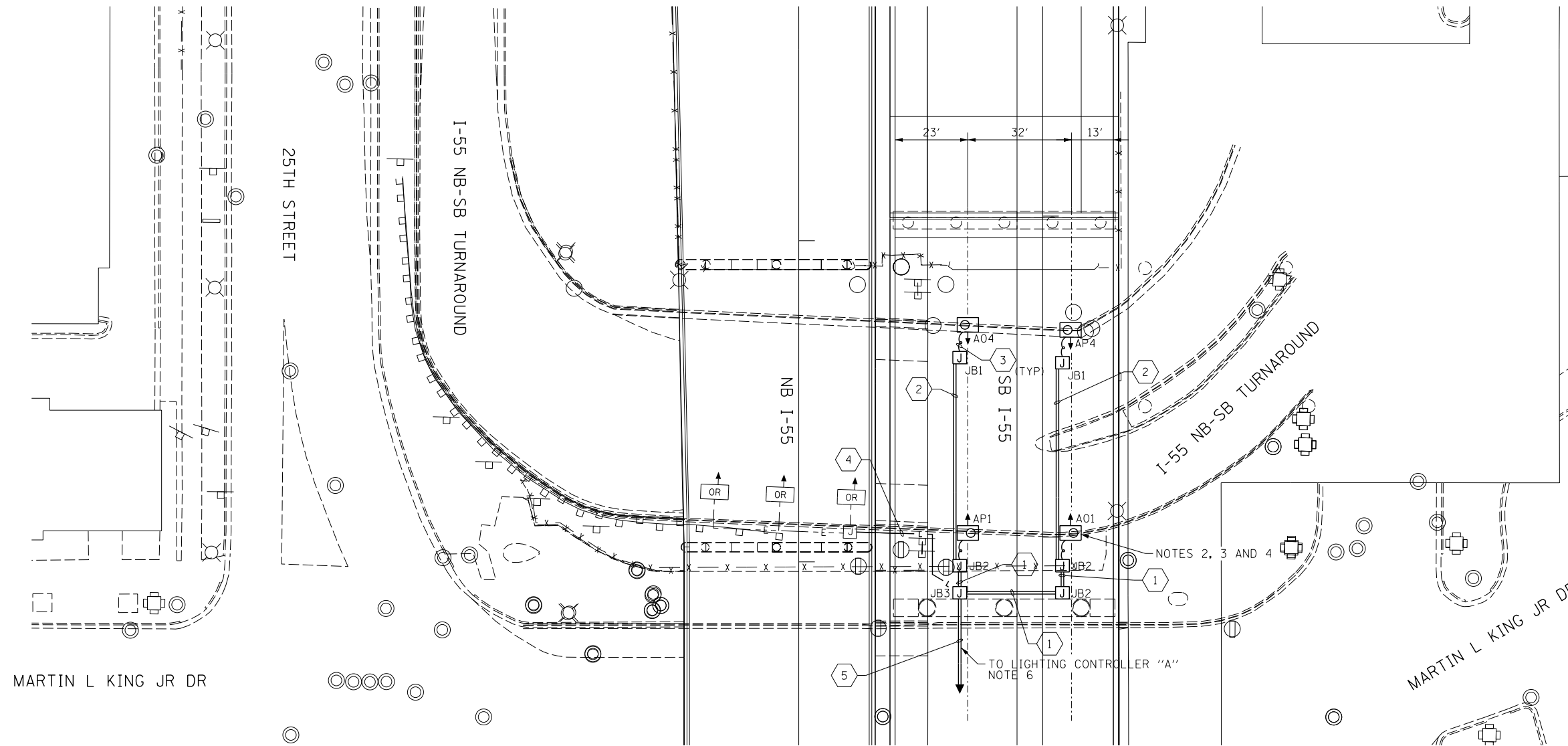
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-55 NB-SB TURNAROUND
EXISTING UNDERPASS LIGHTING PLAN (IDOT)**

SCALE: 1" = 20' SHEET NO. 14 OF 31 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	272
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

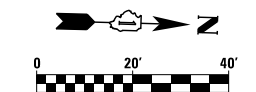


CABLE / CONDUIT SCHEDULE	
1	3-1/C#10, 1-1/C#10 GND 1" DIA PVCC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
2	2-1/C#10, 1-1/C#10 GND IN 1" DIA PVCC RGC ATTACHED TO STRUCTURE (CKTS AS INDICATED ON THIS DRAWING)
3	2-1/C#10, 1-1/C#10 GND IN 3/4" DIA LIQUID TIGHT, NON-METALLIC, FLEXIBLE CONDUIT
4	3-1/C#10, 1-1/C#10 GND XLP- TYPE USE, 1" RGS
5	3-1/C#2, 1-1/C#4 GND IN 2" PVCC RGC ATS

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
JB3	18"X18"X8"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING NOTE 5

NOTES:

- SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- SEE IDOT STANDARD DRAWING BE-900 FOR ADDITIONAL INSTALLATION DETAILS FOR PROPOSED SUSPENDED MOUNT UNDERPASS LUMINAIRES.
- SUSPENDED MOUNT UNDERPASS LUMINAIRE SETBACK FROM EDGE OF PAVEMENT SHALL BE 2 FEET, UNLESS NOTED OTHERWISE.
- DIMENSIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL CENTER THE SUSPENDED MOUNT LUMINAIRES BETWEEN BRIDGE GIRDERS.
- SEE DRAWING RL-20 FOR TYPICAL UNDERPASS LIGHTING UNIT WIRING DIAGRAM.
- SEE DRAWING RL-10 FOR CONTINUATION OF LIGHTING CIRCUIT.



MARTIN L KING JR DR

25TH STREET

I-55 NB-SB TURNAROUND

NB I-55

SB I-55

I-55 NB-SB TURNAROUND

MARTIN L KING JR DR

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-55 NB-SB TURNAROUND
PROPOSED UNDERPASS LIGHTING PLAN (IDOT)

SCALE: 1" = 20' SHEET NO. 15 OF 31 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	273
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

RL-15

PROPOSED IDOT LIGHTING CONTROLLER "A"
240/480V, 1 PH, 3W, IDOT LOC#: L0103

SYMBOLS LEGEND



PROPOSED IDOT LIGHTING CONTROLLER "A"



MAIN DISTRIBUTION PANEL



EXISTING LIGHTING UNIT



EXISTING UNDERPASS LUMINAIRE



EXISTING JUNCTION BOX



EXISTING LIGHTED SIGN STRUCTURE



PROPOSED LIGHTING UNIT, 47'-6" M.H., 400W HPS LUMINAIRE (PARAPET WALL MOUNTED)



PROPOSED LIGHTING UNIT, 47'-6" M.H., 400W HPS LUMINAIRE (GROUND MOUNTED)



PROPOSED UNDERPASS LUMINAIRE, SUSPENDED CEILING MOUNTED, 100W, TYPE 4



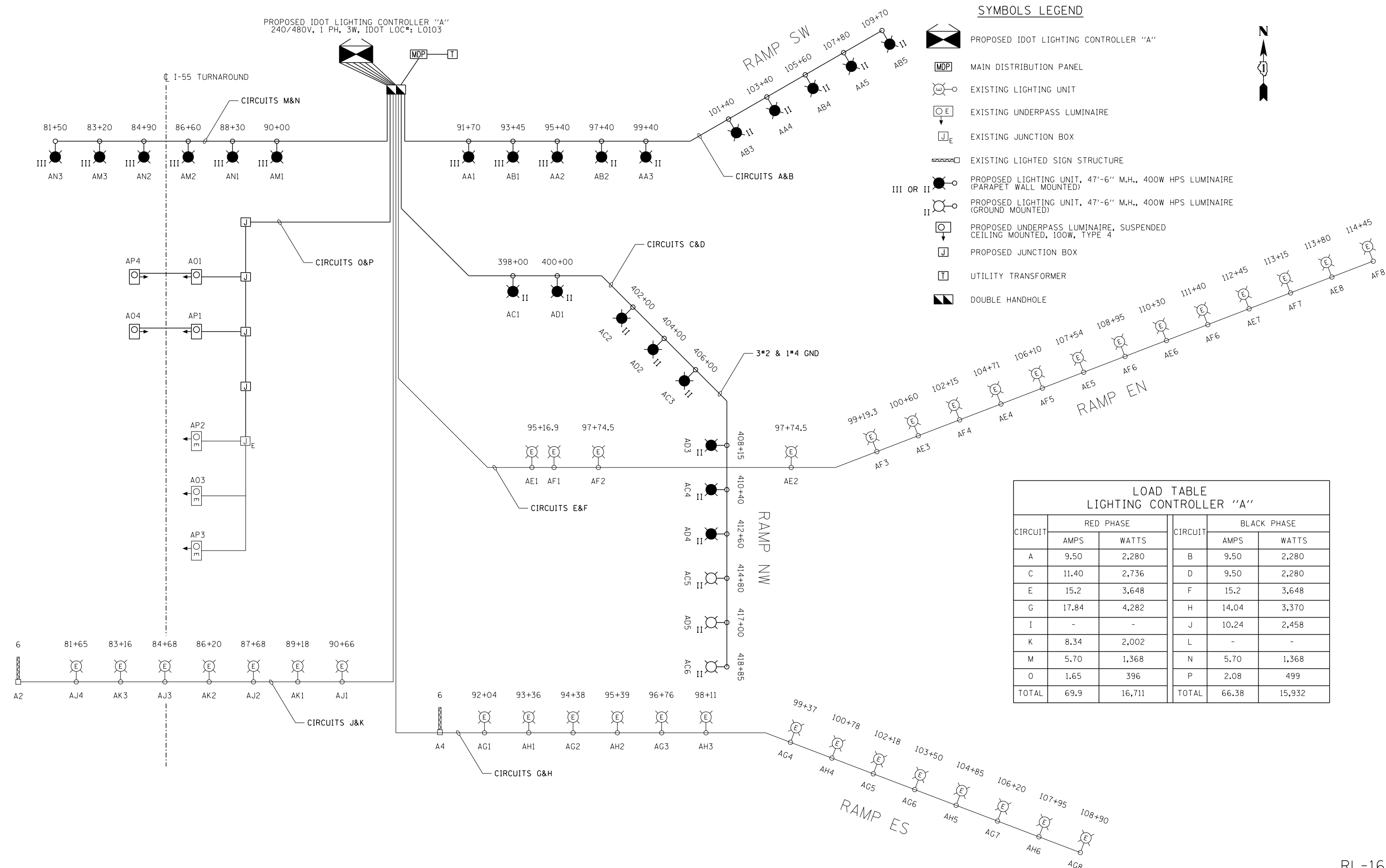
PROPOSED JUNCTION BOX



UTILITY TRANSFORMER



DOUBLE HANDHOLE



CIRCUIT	RED PHASE		CIRCUIT	BLACK PHASE	
	AMPS	WATTS		AMPS	WATTS
A	9.50	2,280	B	9.50	2,280
C	11.40	2,736	D	9.50	2,280
E	15.2	3,648	F	15.2	3,648
G	17.84	4,282	H	14.04	3,370
I	-	-	J	10.24	2,458
K	8.34	2,002	L	-	-
M	5.70	1,368	N	5.70	1,368
O	1.65	396	P	2.08	499
TOTAL	69.9	16,711	TOTAL	66.38	15,932

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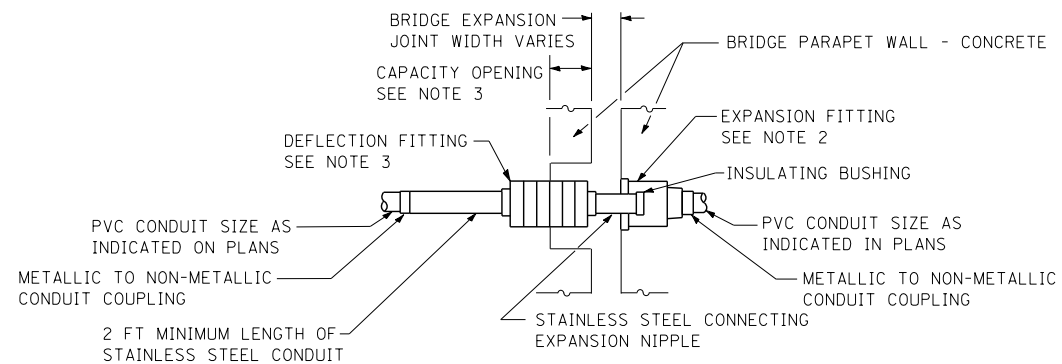
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT LIGHTING CONTROLLER "A"
WIRING DIAGRAM

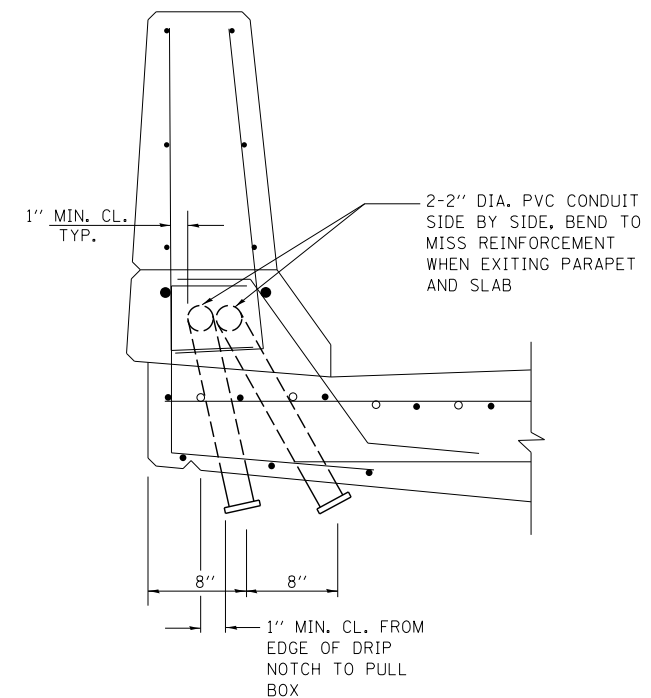
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F.A.I. RTE. 55	SECTION 2010-080-B	COUNTY COOK	TOTAL SHEETS 886	SHEET NO. 274
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

RL-16



EXPANSION/DEFLECTION CONDUIT COUPLING DETAIL
NOTES 1 AND 6



VIEW B-B

NOTES:

1. THE CONTRACTOR SHALL INSTALL A CONDUIT EXPANSION/DEFLECTION COUPLING AT THE JOINT LOCATIONS IN THE CONCRETE PARAPET ON THE BRIDGE CAPABLE OF ACCEPTING THE LONGITUDINAL MOVEMENT. ALL METALLIC PARTS OF THE COUPLING SHALL BE MADE OF STAINLESS STEEL OR AS APPROVED BY THE ENGINEER. ANY NON-STAINLESS METAL SHALL BE HOT DIP GALVANIZED AND COATED TO PREVENT ANY REACTION WITH THE CONCRETE. THE COST OF THE COUPLING SHALL BE PART OF AND INCIDENTAL TO THE CONDUIT SYSTEM.
2. THE BARREL IN THE EXPANSION FITTING SHALL BE IN THE CONCRETE ON ONE SIDE OF THE EXPANSION JOINT. ONE HALF THE LENGTH OF THE DEFLECTION FITTING SHALL BE EMBEDDED IN THE CONCRETE ON THE OTHER SIDE OF THE COUPLING.
3. A CAVITY OPENING 3" LARGER IN DIAMETER THAN THE DEFLECTION FITTING SHALL BE PROVIDED IN THE CONCRETE TO ENSURE PROPER PERFORMANCE OF THE COUPLING.
4. CAREFUL ATTENTION TO JOINT MOVEMENT OVER A RANGE OF TEMPERATURES SHALL BE COORDINATED WITH THE SELECTION AND INSTALLATION OF THE COUPLING TO ENSURE THE RANGE OF MOVEMENT OF THE COUPLING IS NOT EXCEEDED AT TEMPERATURE EXTREMES.
5. ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE CAREFULLY FOLLOWED TO ENSURE OPTIMUM PERFORMANCE OF THE EXPANSION/DEFLECTION COUPLING.
6. THE CONTRACTOR SHALL INSTALL COUPLINGS AT ALL BRIDGE EXPANSION JOINTS AND SHALL BE RESPONSIBLE TO DETERMINE THE PROPER NUMBER OF COUPLINGS REQUIRED. SEE STRUCTURAL DRAWINGS FOR THE EXPANSION JOINT LOCATIONS.

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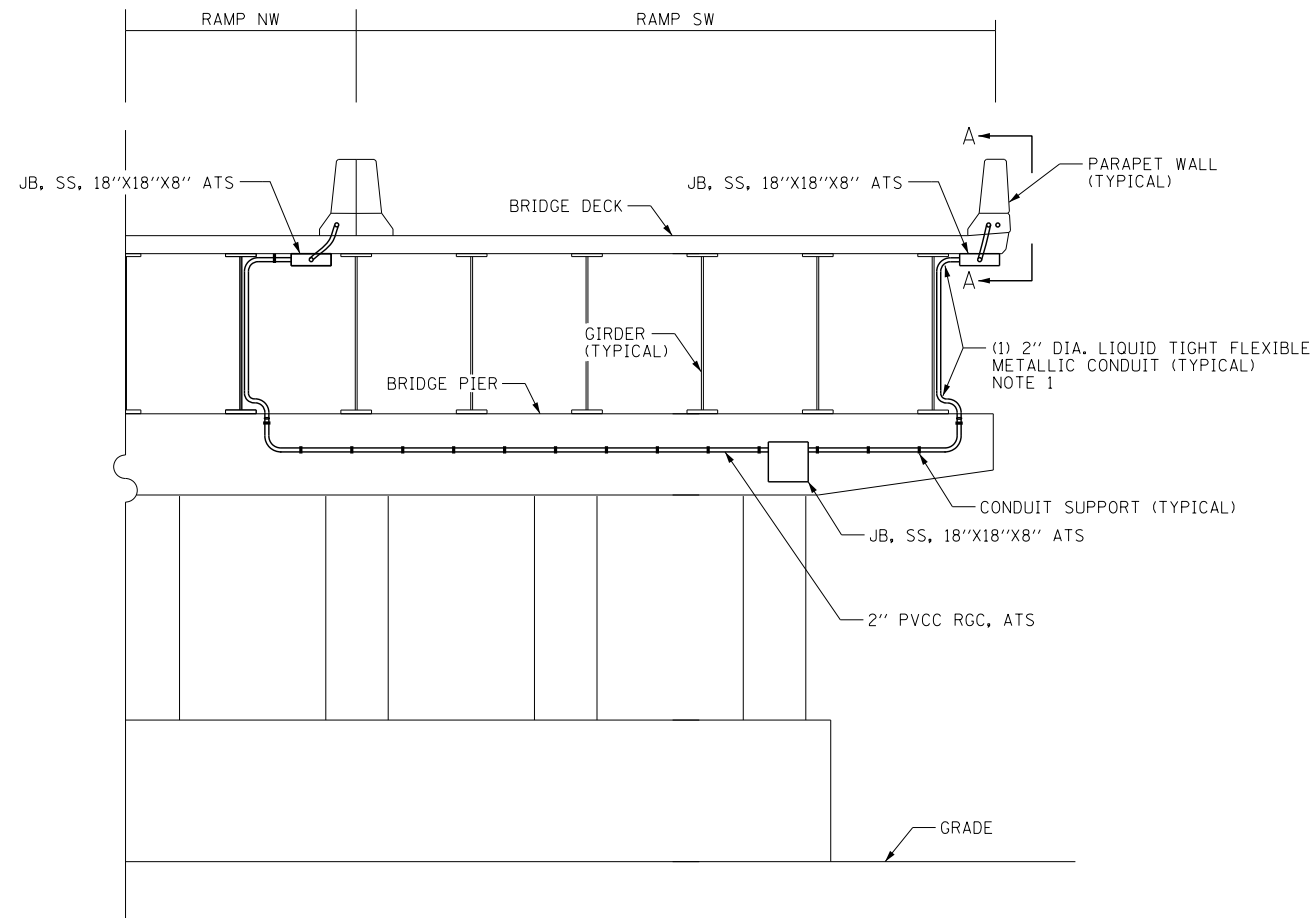
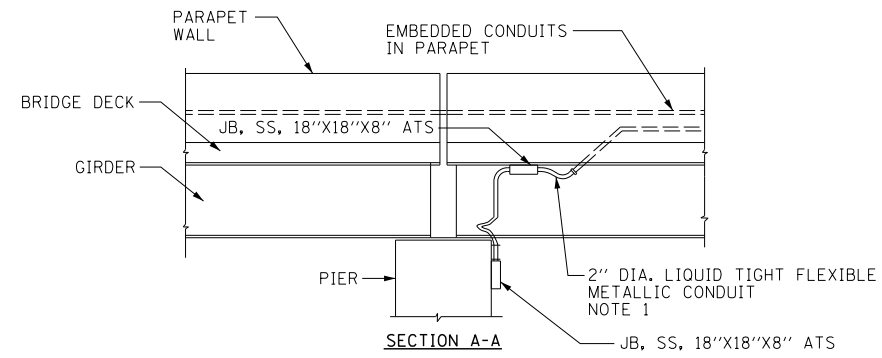
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IDOT CONDUIT INSTALLATION DETAIL

SCALE: N.T.S. SHEET NO. 17 OF 30 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	275
CONTRACT NO. 60L70			ILLINOIS FED. AID PROJECT	

RL-17



CONDUIT ATTACHED TO PIER 8W INSTALLATION DETAIL - LOOKING WEST
(NOT TO SCALE)

NOTES:

1. THE FLEXIBLE CONDUIT WILL BE MEASURED AND PAID FOR UNDER THE "CONDUIT ATTACHED TO STRUCTURE, PVC COATED GALVANIZED STEEL" PAY ITEMS.
2. COORDINATE THE INSTALLATION OF THE ELECTRICAL CONDUIT WITH THE PROPOSED LOCATION OF THE DRAINAGE PIPES TO AVOID CONFLICTS.

FILE NAME = D:\60L70-shr-RL-18_MiscDetails.dgn



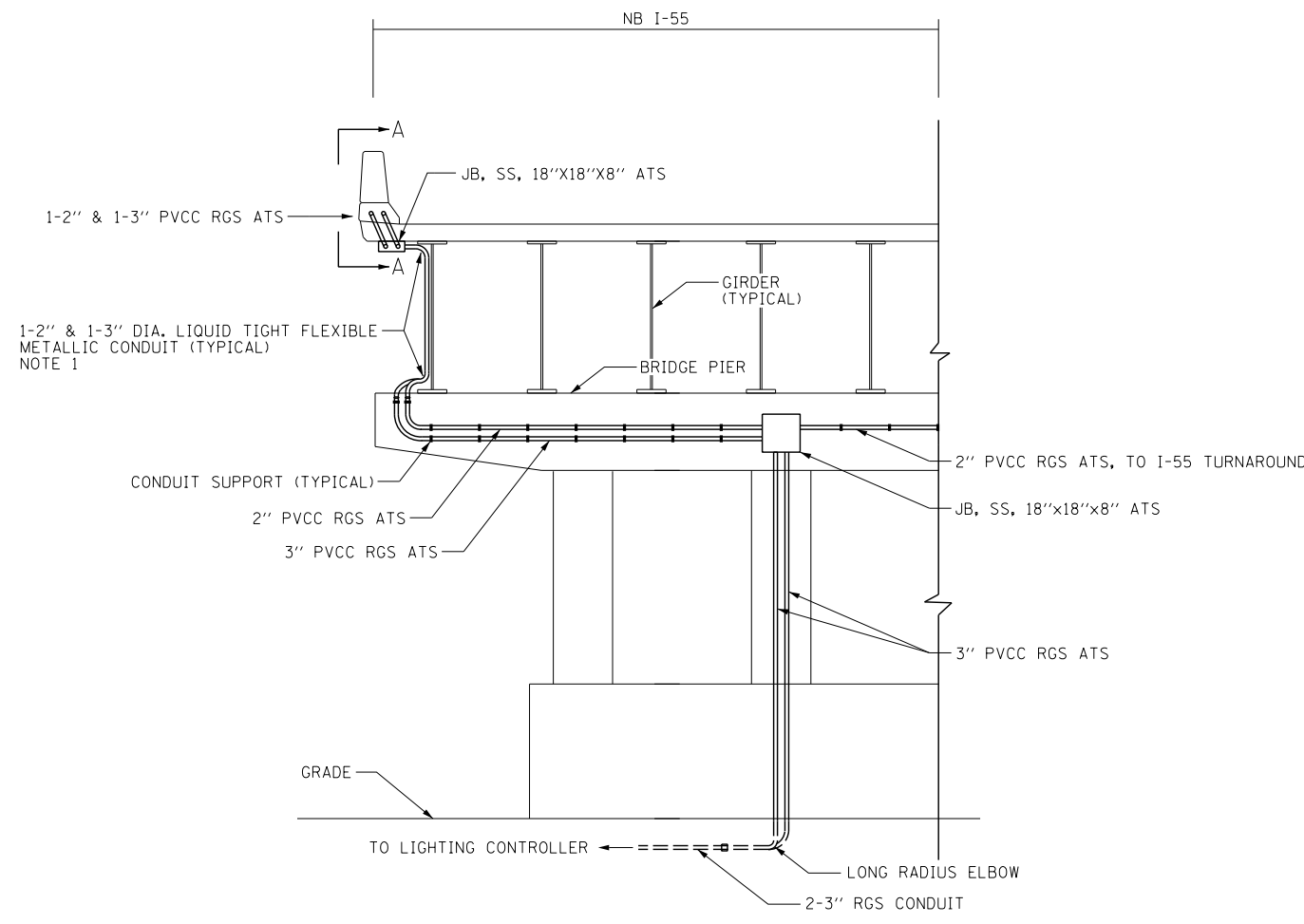
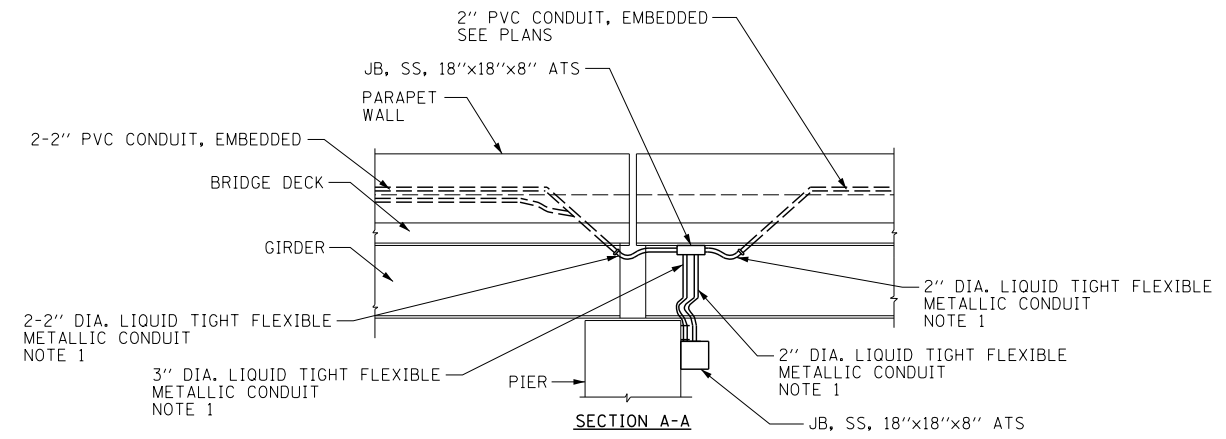
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT MISCELLANEOUS ELECTRICAL DETAILS

SCALE: N.T.S. SHEET NO. 18 OF 31 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	276
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				



- NOTES:**
1. THE FLEXIBLE CONDUIT WILL BE MEASURED AND PAID FOR UNDER THE "CONDUIT ATTACHED TO STRUCTURE, PVC COATED GALVANIZED STEEL" PAY ITEMS.
 2. CONDUIT ATTACHED TO THE STRUCTURE SHALL BE PLACED SUCH THAT IT DOES NOT CONFLICT WITH DRAINAGE AND ITS INFRASTRUCTURE.

CONDUIT ATTACHED TO PIER 3W INSTALLATION DETAIL - LOOKING EAST
(NOT TO SCALE)

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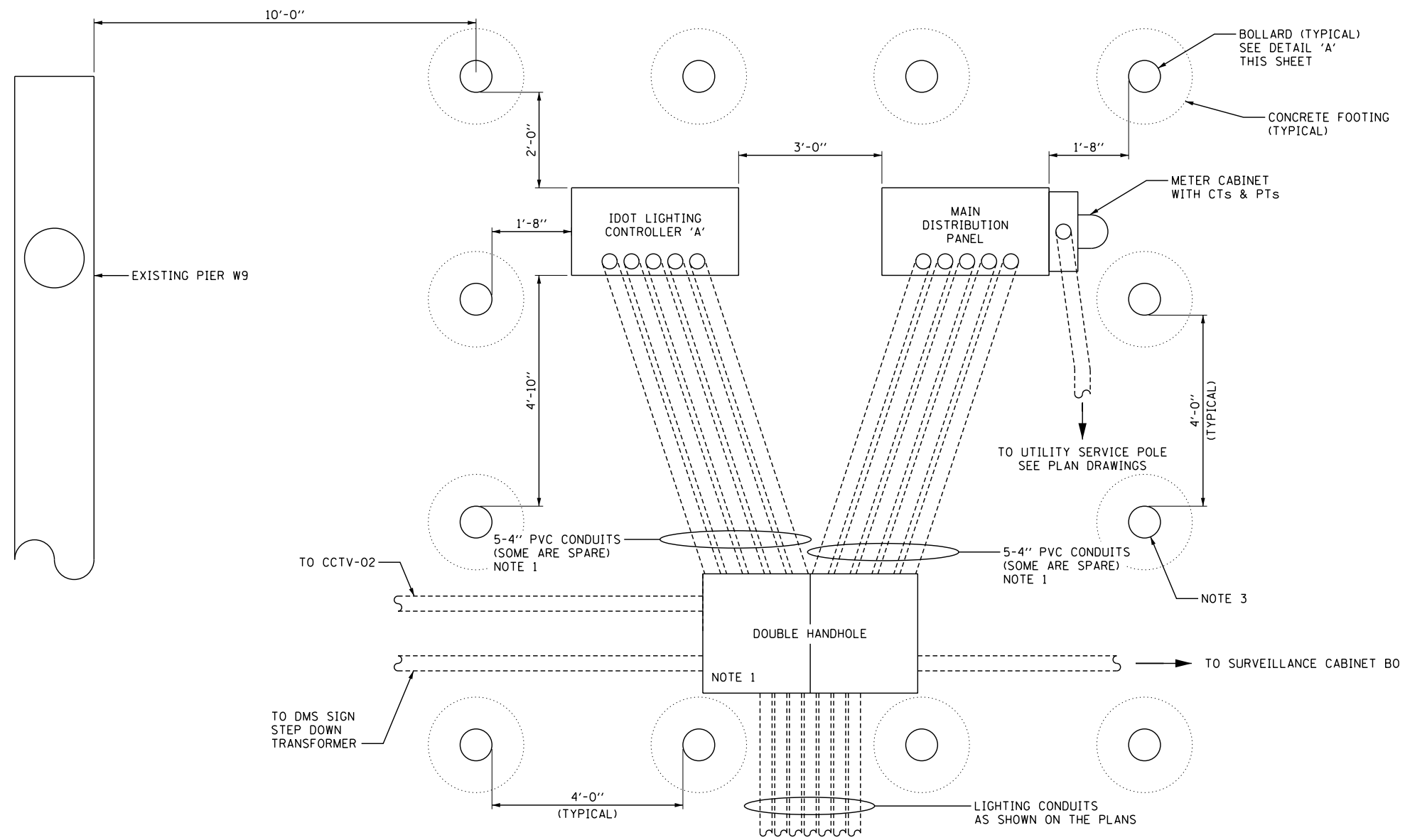
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT MISCELLANEOUS ELECTRICAL DETAILS

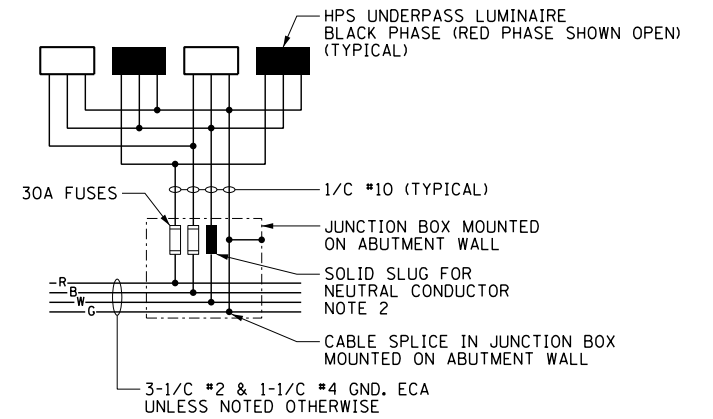
SCALE: 1" = 30' SHEET NO. 19 OF 31 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	277
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

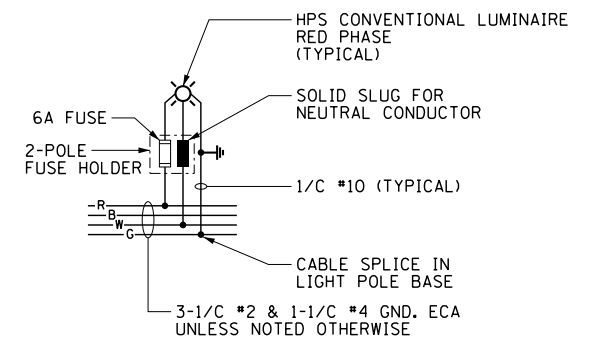
RL-19



IDOT UTILITY SERVICE EQUIPMENT LAYOUT
(NOT TO SCALE)



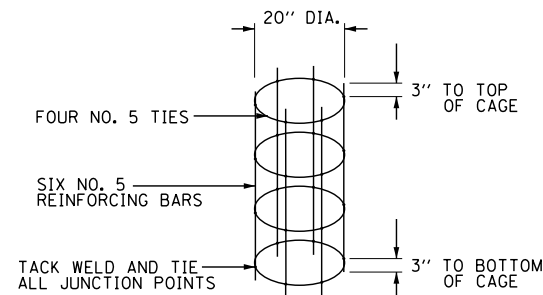
TYPICAL UNDERPASS LIGHTING UNIT WIRING DIAGRAM
(NOT TO SCALE)



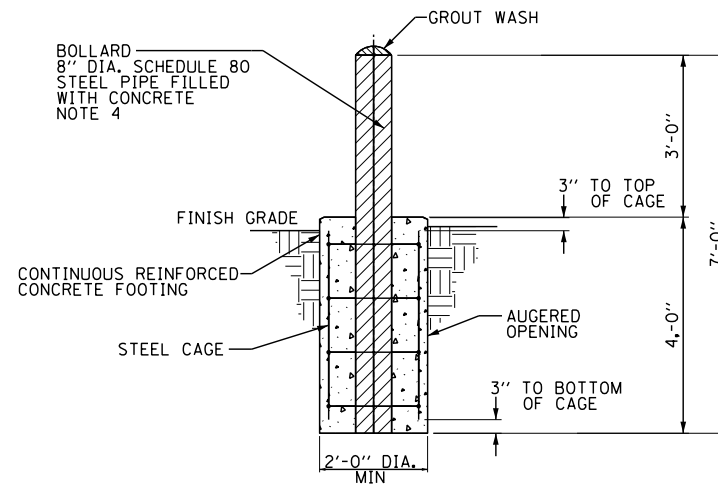
TYPICAL CONVENTIONAL LIGHTING UNIT WIRING DIAGRAM
(NOT TO SCALE)

NOTES:

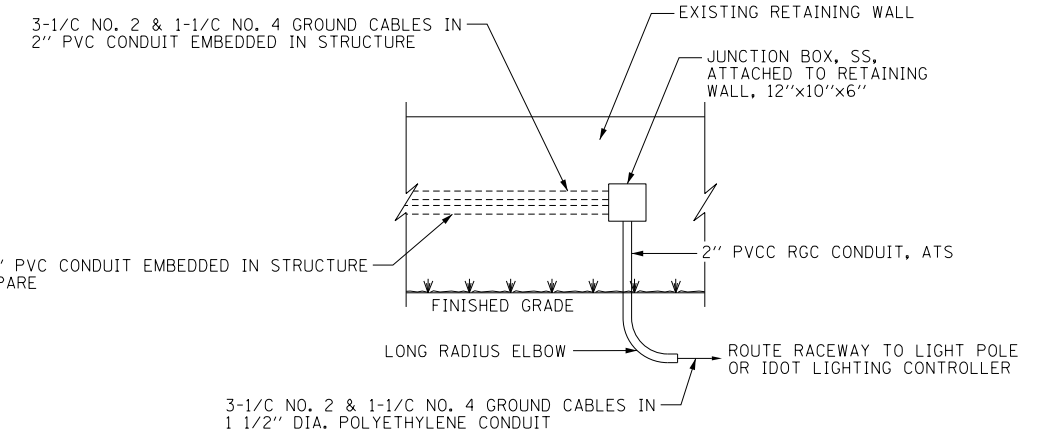
1. CONTRACTOR TO LOCATE DOUBLE HANDHOLE AT THE OPTIMUM LOCATION FOR ROUTING THE CONDUITS BETWEEN EQUIPMENT AND TO AVOID CONFLICTS WITH THE CONCRETE BOLLARDS. SEE PLAN DRAWINGS FOR CONDUIT ROUTING.
2. THE FUSES, FUSE HOLDERS, AND SOLID SLUGS SHALL BE PROVIDED ACCORDING TO ARTICLE 1065.01 OF THE IDOT STANDARDS. 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 JUNCTION BOX IN WHICH THEY ARE INSTALLED.
3. THE PROPOSED EQUIPMENT SHALL BE LOCATED AND INSTALLED SUCH THAT THE SOUTH FACE OF THIS ROW OF BOLLARDS IS INSTALLED PARALLEL AND FLUSH WITH THE SOUTH FACE OF THE NORTHERN MOST CAISSON FOR PROPOSED PIER 3W. THE CONTRACTOR SHALL STAKE THE EQUIPMENT AND BOLLARDS IN THE FIELD FOR THE ENGINEER'S REVIEW AND APPROVAL PRIOR TO STARTING ANY WORK.
4. BOLLARDS SHALL BE PAINTED. COLOR SHALL BE SAFETY YELLOW.



ISOMETRIC VIEW OF STEEL CAGE
(NOT TO SCALE)



DETAIL - A
(NOT TO SCALE)



EMBEDDED CONDUIT EXITING WALL DETAIL
(NOT TO SCALE)

FILE NAME = D:\60L70-shr-RL-20_IDOTEquipAndBollardDetail.dwg



USER NAME = augeungh	DESIGNED - PFD	REVISED -
PLOT SCALE = 1:8000 / 1"	DRAWN - CAM	REVISED -
PLOT DATE = 11/19/2014	CHECKED - WDS	REVISED -
	DATE = 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**








IDOT MISCELLANEOUS ELECTRICAL DETAILS

SCALE: N.T.S. SHEET NO. 20 OF 31 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	278
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

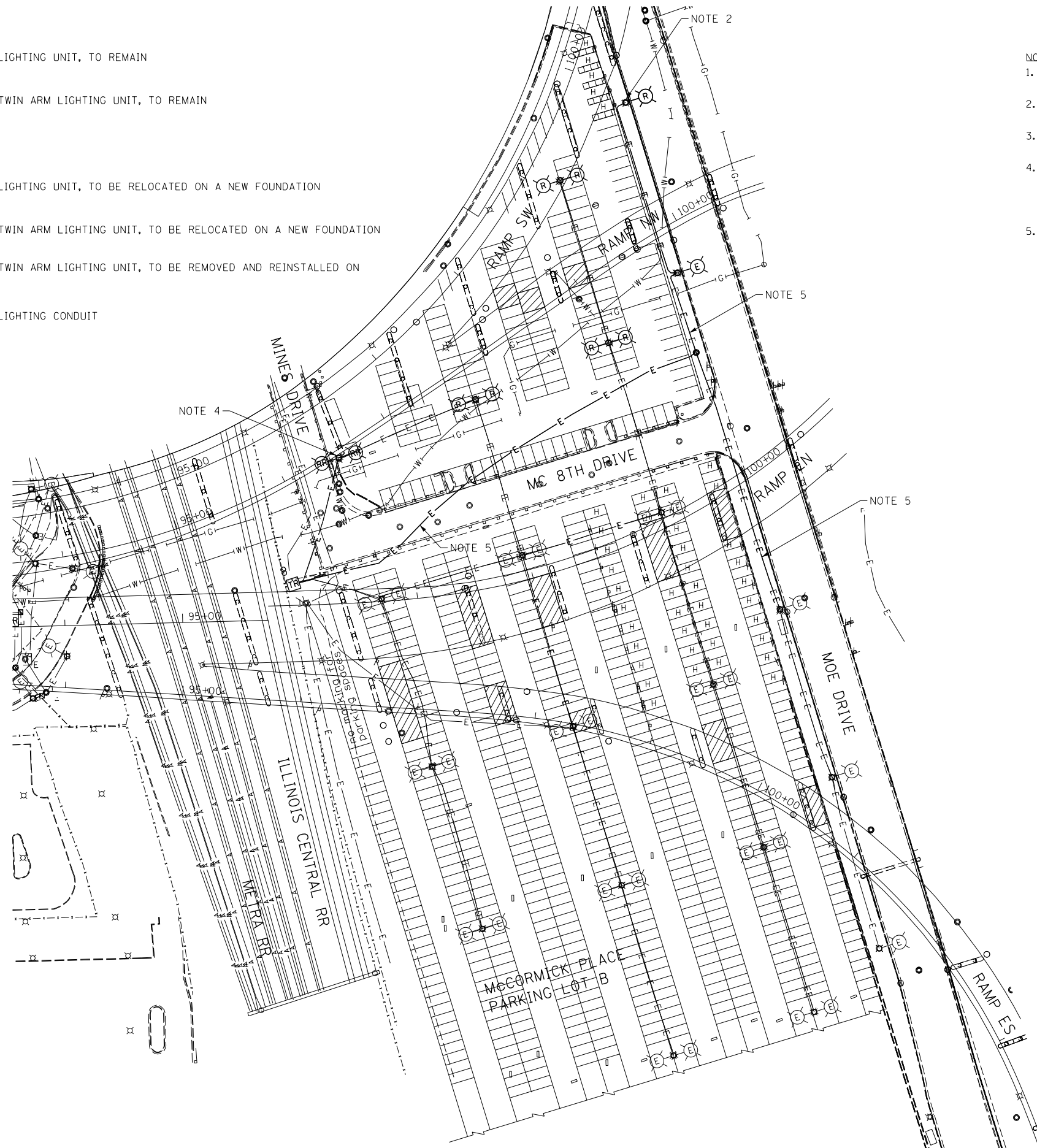
RL-20

LEGEND

-  EXISTING MCCORMICK PLACE PARKING LOT LIGHTING UNIT, TO REMAIN
-  EXISTING MCCORMICK PLACE PARKING LOT TWIN ARM LIGHTING UNIT, TO REMAIN
-  EXISTING TRANSCLOSURE, TO REMAIN
-  EXISTING MCCORMICK PLACE PARKING LOT LIGHTING UNIT, TO BE RELOCATED ON A NEW FOUNDATION
-  EXISTING MCCORMICK PLACE PARKING LOT TWIN ARM LIGHTING UNIT, TO BE RELOCATED ON A NEW FOUNDATION
-  EXISTING MCCORMICK PLACE PARKING LOT TWIN ARM LIGHTING UNIT, TO BE REMOVED AND REINSTALLED ON EXISTING FOUNDATION
-  EXISTING MCCORMICK PLACE PARKING LOT LIGHTING CONDUIT

NOTES

1. SEE THE LEGEND ON THIS SHEET FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. EXISTING LIGHTING UNIT TO BE RELOCATED ALONG MOE DRIVE DUE TO PROPOSED PIER CONSTRUCTION.
3. SEE DRAWING RL-22 FOR PROPOSED WORK IN MCCORMICK PARKING LOT.
4. THE EXISTING MCCORMICK PLACE PARKING LOT LIGHTING UNIT SHALL BE REMOVED AND STORED DURING CONSTRUCTION UNTIL SUCH A TIME THAT IT IS TO BE REINSTALLED ON THE EXISTING FOUNDATION. THE EXISTING FOUNDATION SHALL BE PROTECTED DURING CONSTRUCTION.
5. REMOVE EXISTING LIGHTING CABLES FROM EXISTING CONDUIT. ROD AND CLEAN EXISTING CONDUIT.



FILE NAME = D:\60L70-Sht-RL-21-McCormickParkLot.Ex.dgn



USER NAME = augeungh	DESIGNED - PFD	REVISED -
	DRAWN - CAM	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 11/19/2014	DATE - 11/14/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION










EXISTING/DEMOLITION/TEMPORARY LIGHTING PLANS
MCCORMICK PARKING

SCALE: 1" = 50' SHEET NO. 21 OF 31 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	279
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

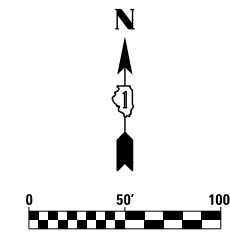
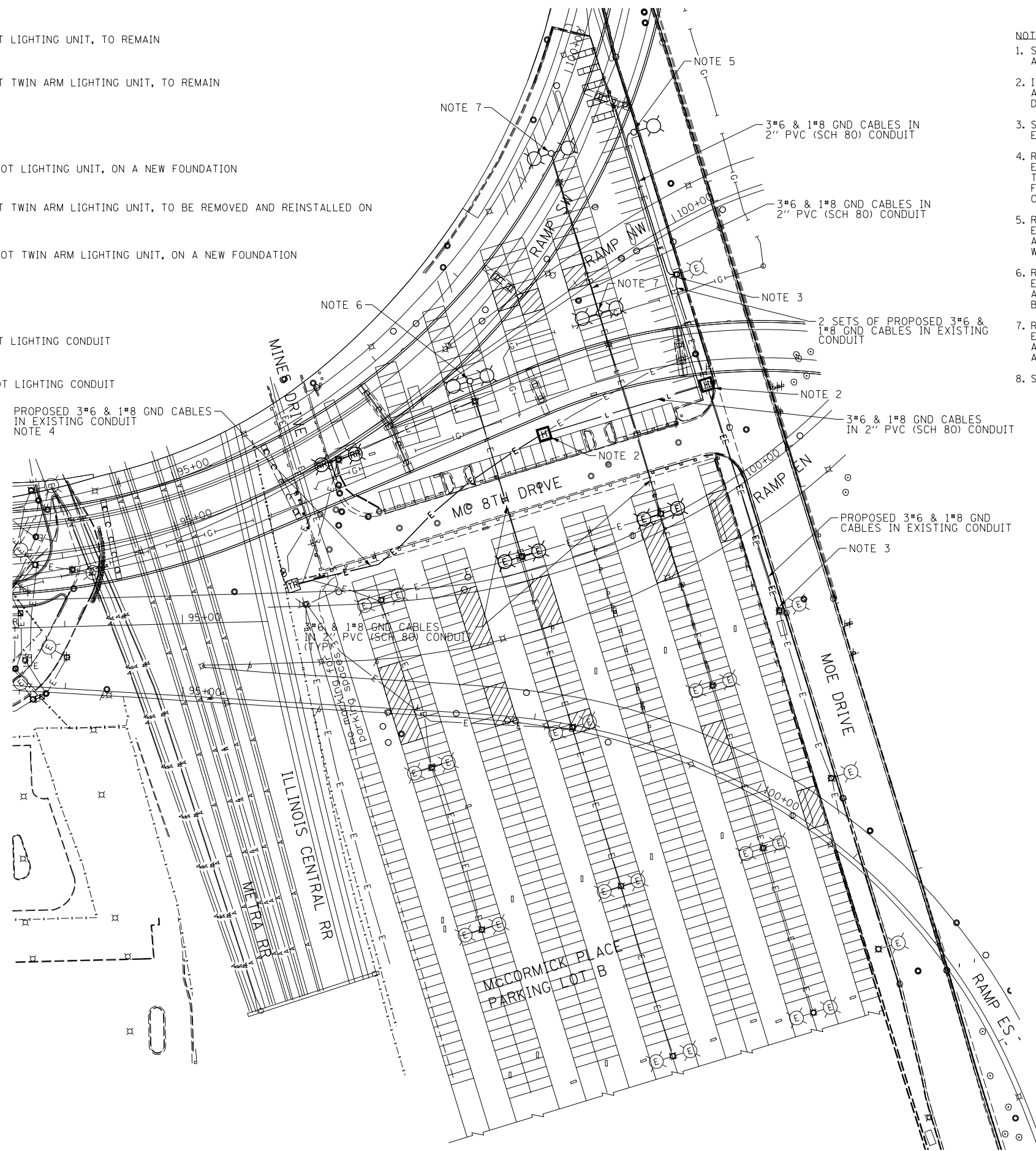
RL-21

LEGEND

-  EXISTING McCORMICK PLACE PARKING LOT LIGHTING UNIT, TO REMAIN
-  EXISTING McCORMICK PLACE PARKING LOT TWIN ARM LIGHTING UNIT, TO REMAIN
-  EXISTING TRANSCLOSURE, TO REMAIN
-  RELOCATED McCORMICK PLACE PARKING LOT LIGHTING UNIT, ON A NEW FOUNDATION
-  EXISTING McCORMICK PLACE PARKING LOT TWIN ARM LIGHTING UNIT, TO BE REMOVED AND REINSTALLED ON EXISTING FOUNDATION
-  RELOCATED McCORMICK PLACE PARKING LOT TWIN ARM LIGHTING UNIT, ON A NEW FOUNDATION
-  HEAVY DUTY HANDHOLE
-  EXISTING McCORMICK PLACE PARKING LOT LIGHTING CONDUIT
-  PROPOSED McCORMICK PLACE PARKING LOT LIGHTING CONDUIT

NOTES

1. SEE THE LEGEND ON THIS SHEET FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. INTERCEPT EXISTING CONDUITS WITH PROPOSED HEAVY DUTY HANDHOLE AND CONNECT TO THE EXISTING ELECTRICAL FEED AS SHOWN. SEE DRAWING RL-23 FOR HANDHOLE DETAILS.
3. SPLICE NEW CABLES TO THE EXISTING ELECTRICAL FEED IN THE EXISTING LIGHT POLE. NO UNDERGROUND SPLICES ARE ALLOWED.
4. ROUTE PROPOSED CABLES THROUGH EXISTING CONDUIT INTO THE EXISTING TRANSCLOSURE AND MAKE THE NECESSARY CONNECTIONS TO THE EXISTING CIRCUIT BREAKERS. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE CABLES.
5. RELOCATE EXISTING LIGHTING UNIT AND FOUNDATION 25' SOUTH OF EXISTING LOCATION. FINAL LOCATION TO BE STAKED IN FIELD AND APPROVED BY McCORMICK PLACE ENGINEER PRIOR TO BEGINNING ANY WORK.
6. RELOCATE EXISTING LIGHTING UNIT AND FOUNDATION 20' NORTH OF EXISTING LOCATION. FINAL LOCATION TO BE STAKED IN THE FIELD AND APPROVED BY A McCORMICK PLACE ENGINEER PRIOR TO BEGINNING ANY WORK.
7. RELOCATE EXISTING LIGHTING UNIT AND FOUNDATION 25' NORTH OF EXISTING LOCATION. FINAL LOCATION TO BE STAKED IN THE FIELD AND APPROVED BY McCORMICK PLACE ENGINEER PRIOR TO BEGINNING ANY WORK.
8. SEE DRAWING RL-23 FOR ALL McCORMICK PLACE DETAILS.



RL-22

FILE NAME = D:\60L70-Sht-RL-22_McCormickParkLot.Pr.dgn



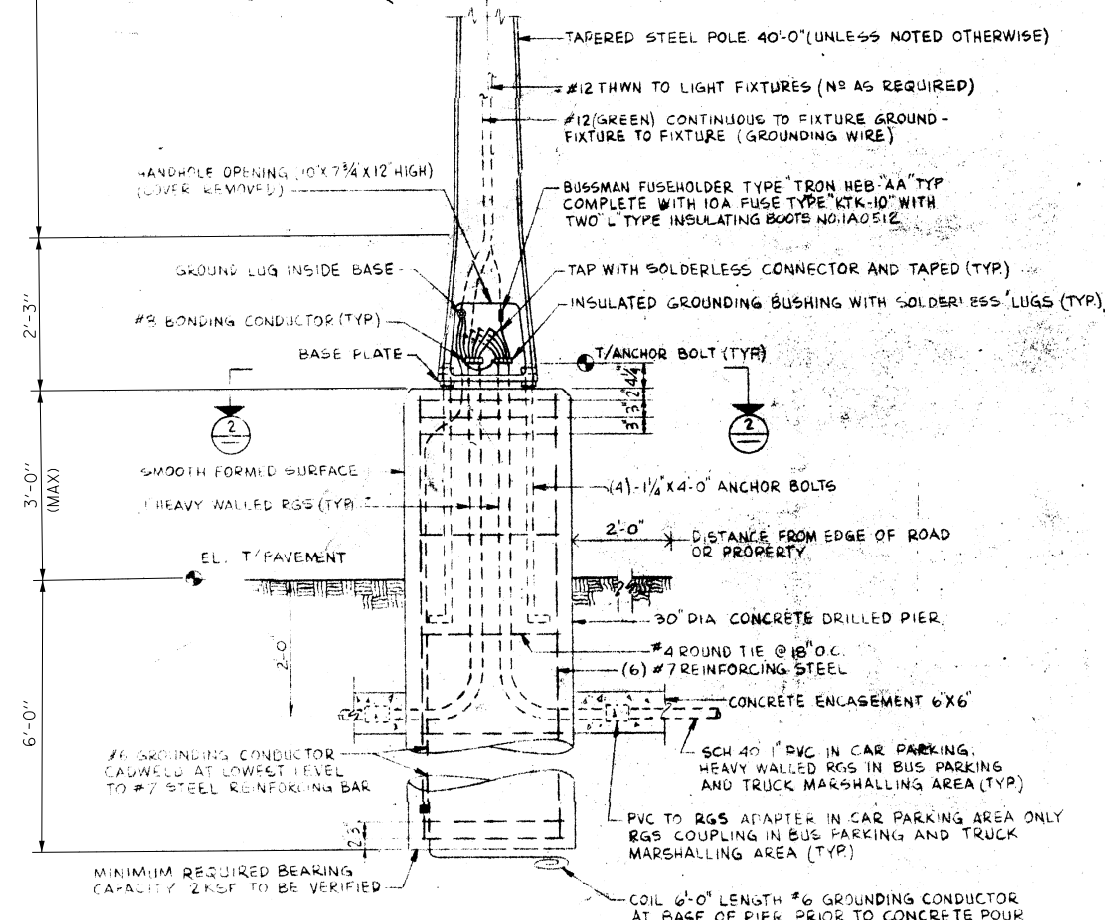
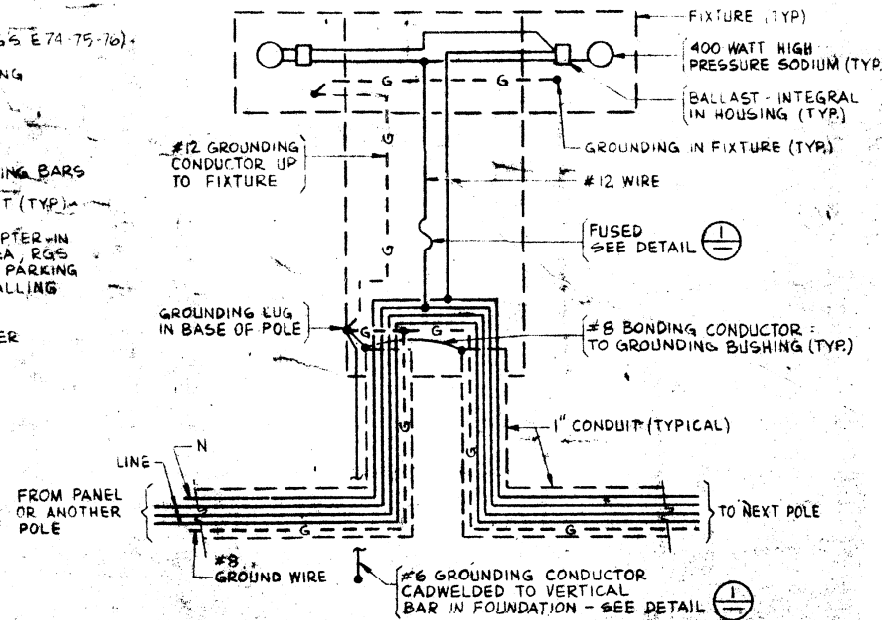
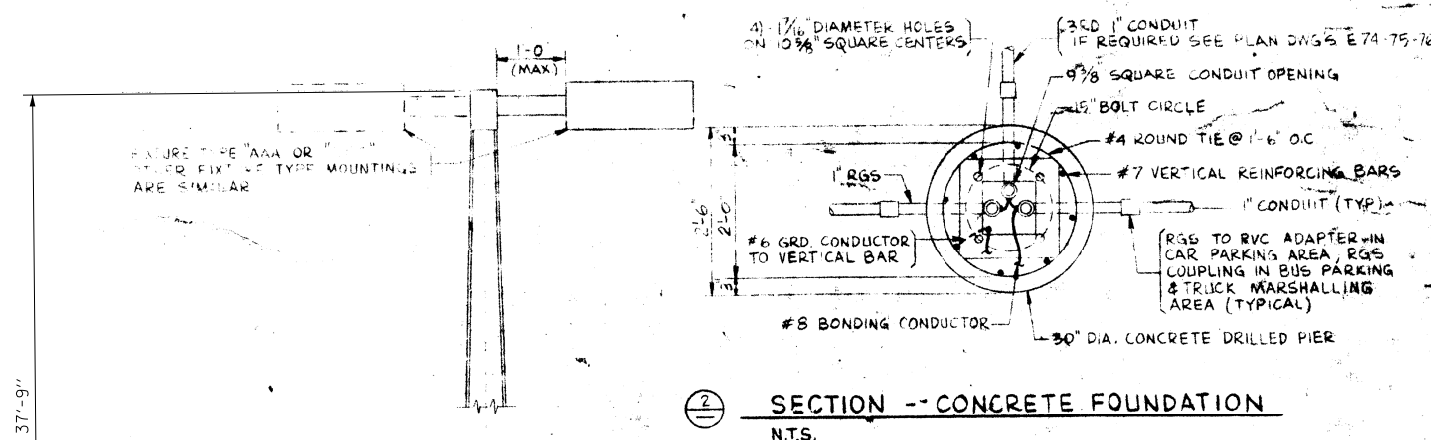
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PLOT SCALE = 50.0000' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 11/19/2014	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

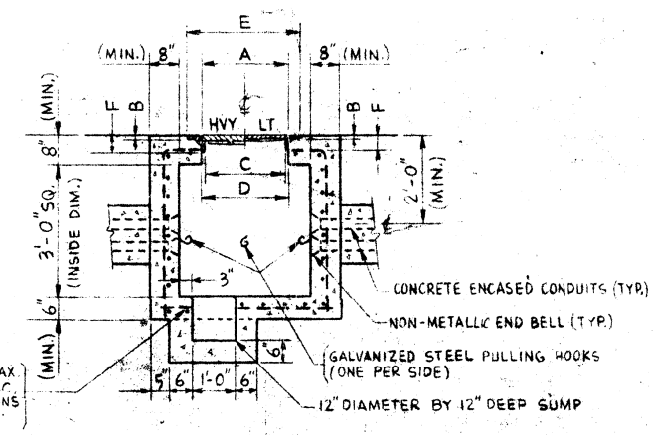
**PROPOSED LIGHTING PLANS
McCORMICK PARKING**

SCALE: 1" = 50' SHEET NO. 22 OF 31 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	280
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				



TYPICAL WIRING DIAGRAM - LIGHTING STANDARD



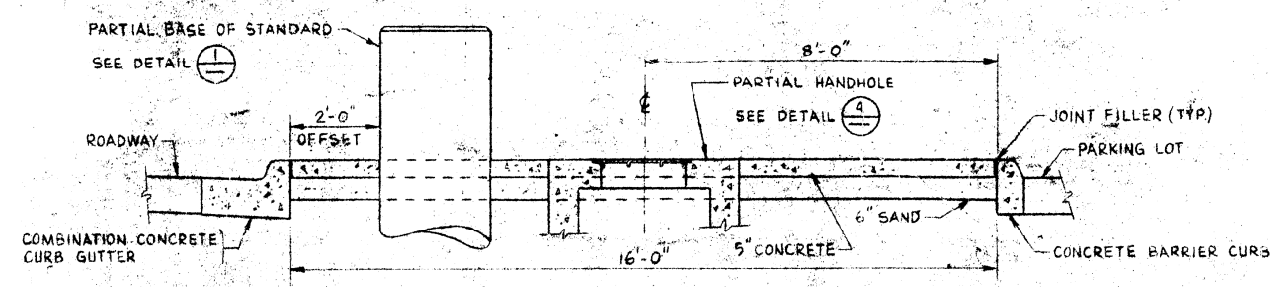
HANDHOLE SCHEDULE						
DUTY	A	B	C	D	E	F
LIGHT (150 LBS)	23"	5/8"	22"	23"	29"	3 1/2"
HEAVY (320 LBS)	23 1/2"	1 1/4"	22"	23 1/2"	31 1/2"	4"

FRAME AND LID NEENAH SERIES R-6679

SYMBOL LIST	
SYMBOL	DEFINITION
	SINGLE ARM FIXTURE POLE MOUNTED
	TWO ARM FIXTURE POLE MOUNTED
	FOUR ARM FIXTURE POLE MOUNTED
	EXAMPLE: 'CCC' DENOTES FIXTURE TYPE
	UNDERGROUND DUCT OR CONDUIT NO OF CROSS LINES REPRESENT NO OF WIRES
	UNDERGROUND DUCT OR CONDUIT FOR 12 KV CABLES
	GROUND CABLE SIZE AS INDICATED
	3/4" X 10'-0" COPPER CLAD GROUND ROD
	CADWELD EXOTHERMIC WELDING PROCESS CONNECTION
	MANHOLE OR HANDHOLE OR HANDHOLE AS INDICATED
	WALL MOUNTED PARACYL FIXTURE
	POLE MOUNTED PARACYL FIXTURE
	UNDERGROUND DUCT LINE (INDICATE TYPE SIZE, AND NUMBER OF DUCTS BY CROSS-SECTION IDENTIFICATION OF EACH RUN BY NOTATION OR SCHEDULE. INDICATE TYPE, SIZE AND NUMBER OF CONDUCTORS BY NOTATION OR SCHEDULE.
	PHOTOLCONTROL

TYPICAL CONCRETE FOUNDATION DETAIL - LIGHTING STANDARD N.T.S.

DETAIL - TYP. HANDHOLE N.T.S.



SECTION - CONCRETE SIDEWALK N.T.S.

FILE NAME = D:\60670-shr-RL-23-McCormickDetails.dgn



USER NAME = augeungh	DESIGNED - PFD	REVISED -
PLOT SCALE = 1:8000 / 1"	DRAWN - CAM	REVISED -
PLOT DATE = 11/19/2014	CHECKED - WDS	REVISED -
	DATE - 11/14/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

McCORMICK PLACE LIGHTING DETAILS

SCALE: N.T.S. SHEET NO. 23 OF 31 SHEETS STA. TO STA.

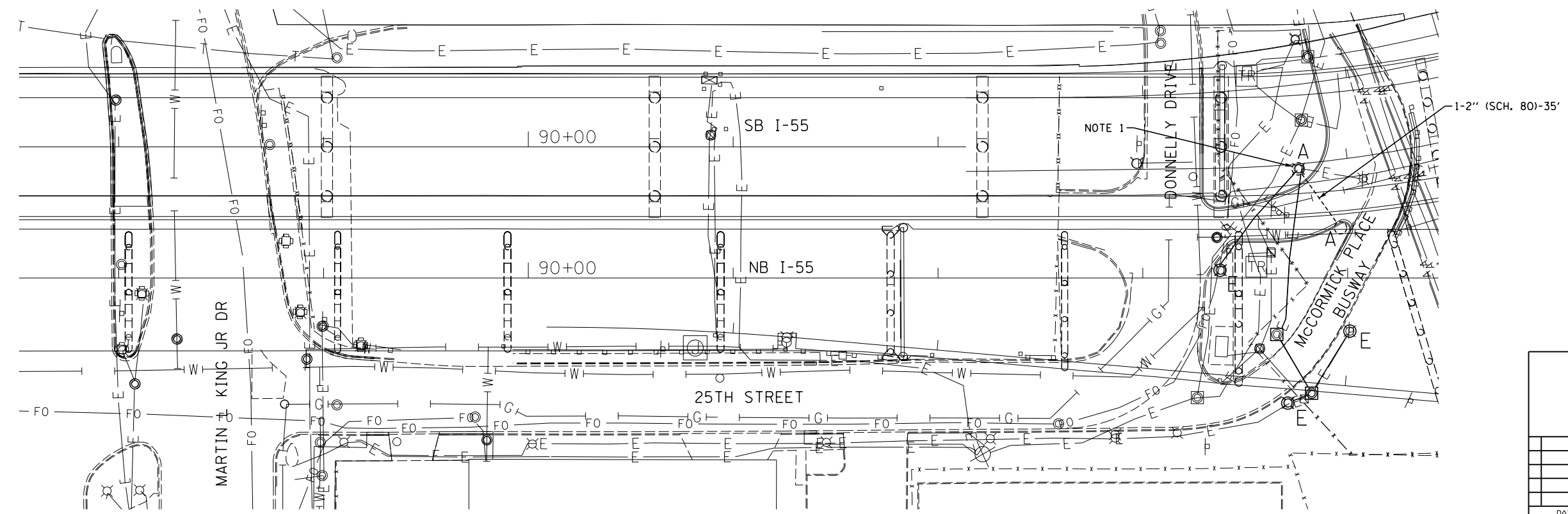
F.A.I. RT. = 55	SECTION = 2010-080-B	COUNTY = COOK	TOTAL SHEETS = 886	SHEET NO. = 281
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

RL-23

TOTAL SHEETS	SHEET NO.
886	282

NOTES
 1. ROUTE PROPOSED CONDUIT BETWEEN THE PROPOSED LIGHTPOLE FOUNDATIONS.

12/17/2014 2:59:34 PM D:\60L70-Sht-RL24-ConduitFoundationPlan.dgn



"A" PROVIDE 24"x7", 1-1/4" A.R., 15" B.C. FOUNDATION FOR LIGHT POLE, PER DWG. 818 AND 837.
 "E" EXISTING TO REMAIN

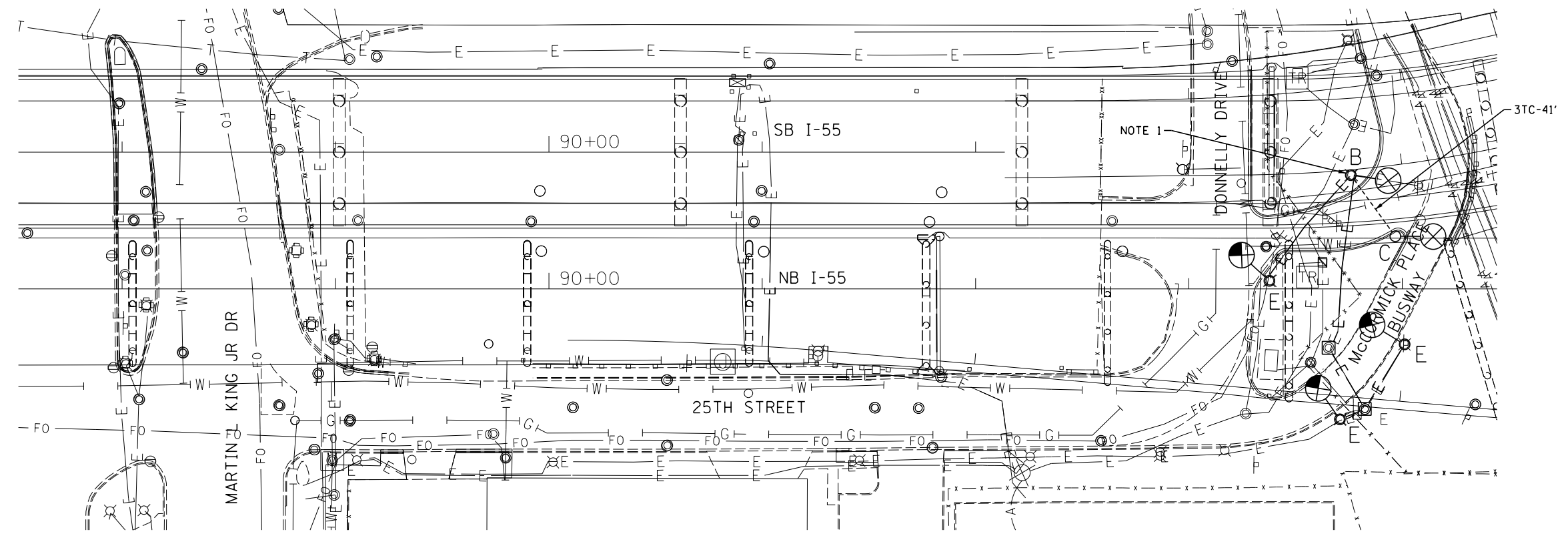
DATE	REVISION
CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING	
CONSULTANT: AECOM	
WORK ORDER NO. _____	DATE _____
COST ALLOCATION ACCOUNT _____	
APPROPRIATION ACCOUNT _____	MATERIAL _____ LABOR _____
25TH STREET LIGHTING CONDUIT AND FOUNDATION PLAN	
CITY OF CHICAGO DEPT. OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS	
DRAFTSMAN: CAM	CHIEF DRAFTSMAN: PFD
SUPERVISING ENGINEER: WDS	ELEC. DESIGN ENGR.
ENGINEER OF ELECTRICITY:	
GEN'L SUPT. OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
SIZE: 22" 34"	SCALE: 1" = 30'
DATE: 11/14/2014	DATE: 12/19/2014
C.D.O.T. PROJECT NO.:	DWG. NO.:

FOR LIGHTING CABLE AND EQUIPMENT
 INSTALLATION PLAN, SEE DRAWING NO. RL-25
 FOR LIGHTING REMOVAL PLAN,
 SEE DRAWING NO. RL-26

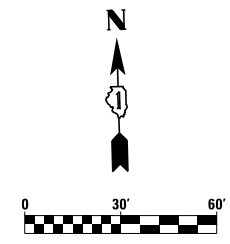
RL-24

NOTES
 1. SPLICE NEW CABLES TO EXISTING LIGHTING CIRCUITS LOCATED IN EXISTING POLE. NO UNDERGROUND SPLICES ARE ALLOWED.

12/17/2014 2:56:09 PM D:\60L70-Sht-RL-25_LightingCableEquipPlan.dgn



"B" REMOVE, ROTATE, AND REINSTALL EXISTING LIGHT POLE, MAST ARM AND LUMINAIRE ON A PROPOSED FOUNDATION.
 "C" INSTALL RELOCATED LIGHTING UNIT. SEE DRAWING RL-26 FOR THE LOCATION OF THE EXISTING LIGHTING UNIT TO BE RELOCATED.
 "E" EXISTING LIGHTING UNIT TO REMAIN

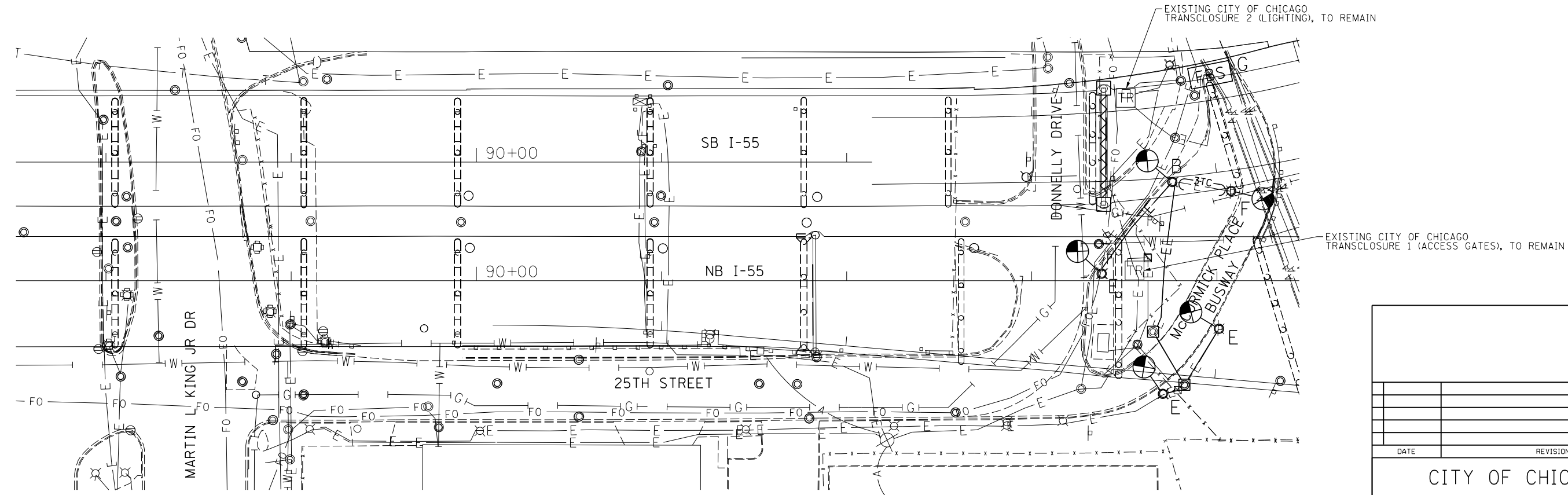


FOR LIGHTING CONDUIT AND FOUNDATION PLAN, SEE DRAWING NO. RL-24
 FOR LIGHTING REMOVAL PLAN, SEE DRAWING NO. RL-26

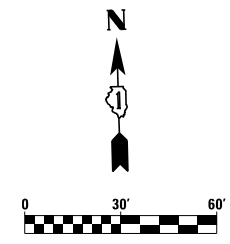
DATE	REVISION
CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING	
CONSULTANT: AECOM	
WORK ORDER NO. _____	DATE _____
COST ALLOCATION ACCOUNT _____	
APPROPRIATION ACCOUNT _____	MATERIAL _____ LABOR _____
25TH STREET LIGHTING CABLE AND EQUIPMENT INSTALLATION PLAN	
CITY OF CHICAGO DEPT. OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS	
DRAFTSMAN: CAM	CHIEF DRAFTSMAN: ELEC. DESIGN ENGR. WDS
ENGINEER: PFD	
ENGINEER OF ELECTRICITY:	
GEN'L SUPT. OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
SIZE: 22" 34"	SCALE: 1" = 30'
DATE: 11/14/2014	DATE: 12/19/2014
C.D.O.T. PROJECT NO.:	DWG. NO.:
	25 OF 31

RL-25

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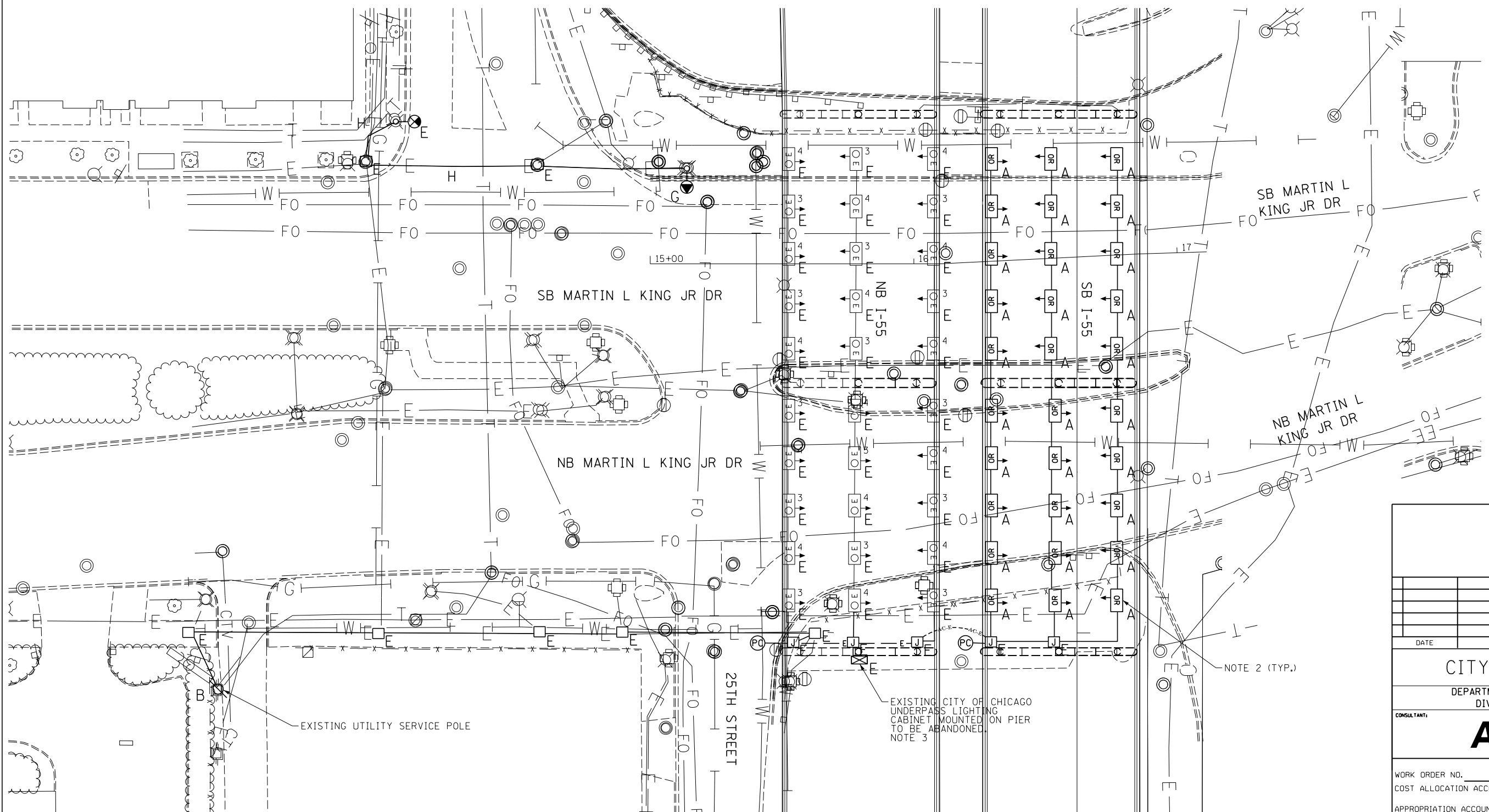
- "B" EXISTING LIGHTING UNIT TO BE ROTATED. BREAKDOWN CONCRETE FOUNDATION COMPLETE.
- "E" EXISTING TO REMAIN
- "F" EXISTING LIGHTING UNIT TO BE RELOCATED. BREAKDOWN CONCRETE FOUNDATION COMPLETE.
- "G" REMOVE EXISTING FLASHING BEACON COMPLETE



FOR LIGHTING CONDUIT AND FOUNDATION PLAN, SEE DRAWING NO. RL-24
 FOR LIGHTING CABLE AND EQUIPMENT INSTALLATION PLAN, SEE DRAWING NO. RL-25

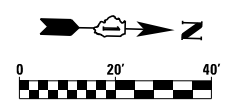
CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING		
AECOM		
WORK ORDER NO. _____	DATE _____	
COST ALLOCATION ACCOUNT _____		
APPROPRIATION ACCOUNT MATERIAL _____		
LABOR _____		
25TH STREET LIGHTING REMOVAL PLAN		
CITY OF CHICAGO DEPT. OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS		
DRAFTSMAN: CAM	CHIEF DRAFTSMAN: ELEC. DESIGN ENGR. WDS	ENGINEER: PFD
SUPERVISING ENGINEER OF ELECTRICITY:		RL-26
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF ELECTRICITY:		26 OF 31
DEPUTY COMMISSIONER:		
SIZE: 22" 34"	SCALE: 1" = 30'	DATE: 12/19/2014
DATE: 11/14/2014	DWG. NO.:	
C.D.O.T. PROJECT NO.:		

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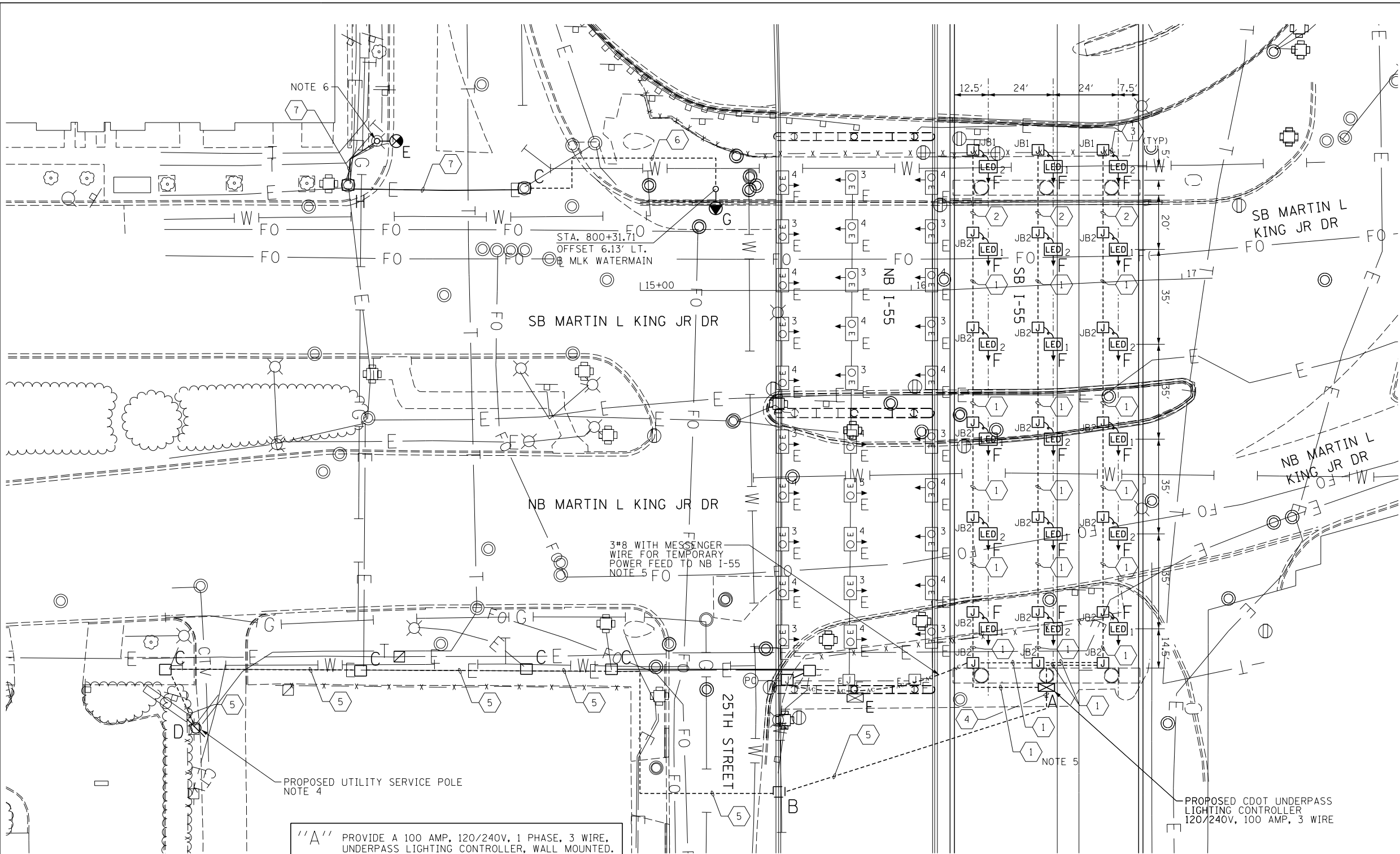
- | | |
|-----|--|
| "A" | REMOVE EXISTING UNDERPASS LIGHTING UNIT |
| "B" | REMOVE EXISTING ELECTRICAL SERVICE INSTALLATION |
| "E" | EXISTING TO REMAIN |
| "G" | EXISTING LIGHTING UNIT TO BE RELOCATED |
| "H" | REMOVE EXISTING LIGHTING CABLES IN CONDUIT & ROD AND CLEAN CONDUIT |

- NOTES:
- SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - REMOVE AND SALVAGE EXISTING CITY OF CHICAGO UNDERPASS LUMINAIRE.
 - THE EXISTING UTILITY SERVICE POWER FEED TO THE CITY UNDERPASS LIGHTING SYSTEM IS TO BE DISCONNECTED AND ABANDONED IN PLACE.



DATE	REVISION
CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING	
CONSULTANT: 	
WORK ORDER NO. _____	DATE _____
COST ALLOCATION ACCOUNT _____	
APPROPRIATION ACCOUNT _____	MATERIAL _____ LABOR _____
MARTIN L. KING JR. DRIVE EXISTING UNDERPASS LIGHTING PLAN (CDOT)	
CITY OF CHICAGO DEPT. OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS	
DRAFTSMAN: CAM	ENGINEER: PFD
SUPERVISING ENGINEER: WDS	ELEC. DESIGN ENGR.
ENGINEER OF ELECTRICITY:	
GEN'L SUPT. OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
SIZE: 22" 34"	SCALE: 1" = 20'
DATE: 11/14/2014	DATE: 11/14/2014
C.D.O.T. PROJECT NO.:	DWG. NO.: RL-27
27 OF 31	

P:\60225454\000_CAD\016_Electrical\Sheets\60L70_Contract (Outbound)\D60L70-Stt-Rl28_Pr-UPL.ML
12/4/2014 2:25:20 PM



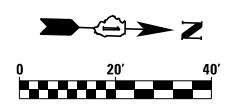
TOTAL SHEETS	SHEET NO.
886	286

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, NON-METALLIC, FLEXIBLE CONDUIT
4	2-1/C#2, 1-1/C#2 GND IN 2" DIA PVCC RGC ATTACHED TO STRUCTURE
5	2-1/C#2, 1-1/C#2 GND IN 2" DIA RGC CONDUIT
6	2-1/C#6, 1-1/C#8 GND IN 2" DIA PVC (SCH 80) CONDUIT
7	2-1/C#6, 1-1/C#8 GND IN EXISTING CONDUIT

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

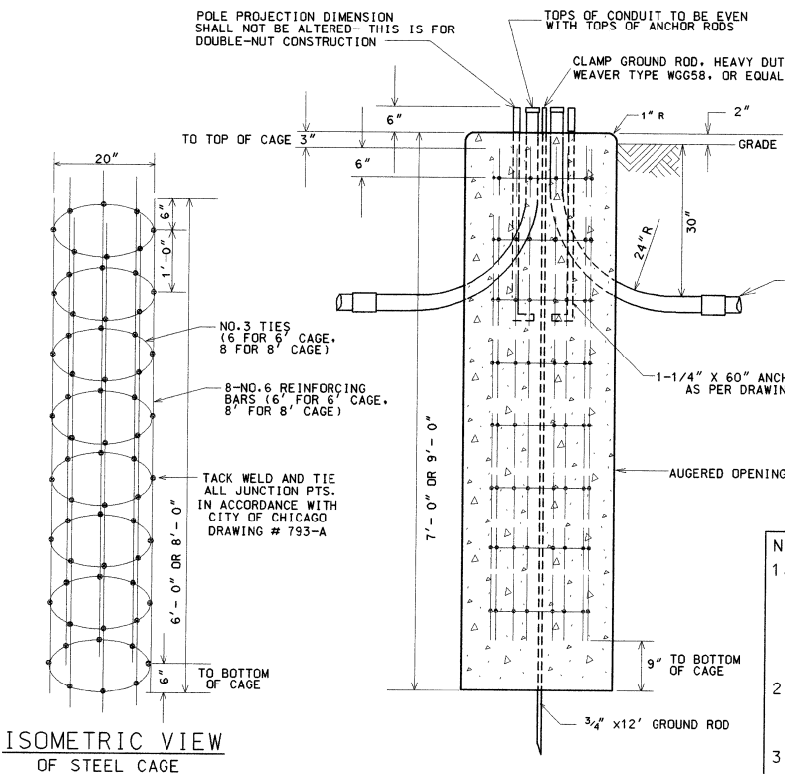
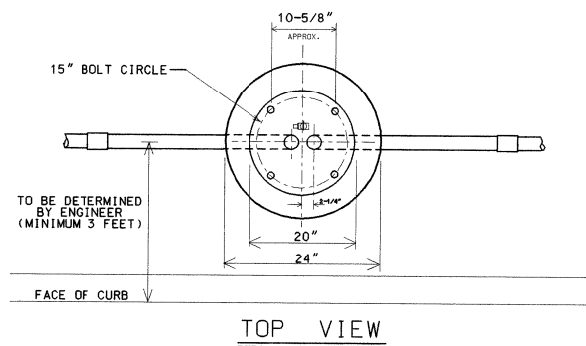
- "A" PROVIDE A 100 AMP, 120/240V, 1 PHASE, 3 WIRE, UNDERPASS LIGHTING CONTROLLER, WALL MOUNTED, PER DRAWING RL-30.
- "B" PROVIDE 3'x4'x4' CONCRETE MANHOLE PER DWG. NO. 729 WITH 30" FRAME AND COVER PER DWG. NO. 874.
- "C" DRILL & CLEAN EXISTING MANHOLE/HANDHOLE.
- "D" PROVIDE SERVICE EQUIPMENT PER DWG. NO. 11925.
- "E" EXISTING TO REMAIN
- "F" PROVIDE A LED UNDERPASS LUMINAIRE AS SHOWN ON THE PLANS AND SPECIFIED IN THE SPECIAL PROVISIONS.
- "G" INSTALL RELOCATED LIGHTING UNIT. PROVIDE 24"x7", 1-1/4" A.R., 15" B.C. FOUNDATION FOR LIGHT POLE, PER DWG. 818 AND 837.
- "H" CLEAN MANHOLE/HANDHOLE

- NOTES:
- SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - DIMENSIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL CENTER THE SUSPENDED MOUNT LUMINAIRES BETWEEN BRIDGE GIRDERS.
 - MOUNT THE NEW UNDERPASS LIGHTING CONTROLLER CABINET ON THE EAST SIDE OF THE MIDDLE BRIDGE COLUMN APPROXIMATELY 10 FEET ABOVE FINISHED GRADE.
 - COORDINATE ALL UTILITY SERVICE WORK WITH COMED.
 - PROVIDE TEMPORARY LIGHTING FEEDS FOR THE EXISTING NB I-55 UNDERPASS LIGHTING SYSTEM FROM THE CDOT LIGHTING CONTROLLER CONNECT THE NEW CABLES TO THE EXISTING LIGHTING CIRCUITS LOCATED WITHIN THE EXISTING JUNCTION AS SHOWN.
 - CONNECT THE NEW FEED FOR THE RELOCATED LIGHTING UNIT TO THE EXISTING LIGHTING CIRCUITS IN THE LIGHTING UNIT AS SHOWN.



DATE	REVISION
CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING	
CONSULTANT: AECOM	
WORK ORDER NO. _____	DATE _____
COST ALLOCATION ACCOUNT _____	
APPROPRIATION ACCOUNT _____	MATERIAL _____ LABOR _____
MARTIN L. KING JR. DRIVE PROPOSED UNDERPASS LIGHTING PLAN (CDOT)	
CITY OF CHICAGO DEPT. OF TRANSPORTATION DIVISION OF ELECTRICAL OPERATIONS	
DRAFTSMAN: CAM	ENGINEER: PFD
SUPERVISING ENGINEER: WDS	ELEC. DESIGN ENGR.
ENGINEER OF ELECTRICITY:	
GEN'L SUPT. OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
SIZE: 22" 34"	SCALE: 1" = 20'
DATE: 11/14/2014	DATE: 11/14/2014
C.D.O.T. PROJECT NO.:	DWG. NO.:
	28 OF 31

RL-28



NOTES:
 1. 7 FOOT FOUNDATION FOR ARTERIAL STREET LIGHT POLE, UNLESS NOTED OTHERWISE.
 9 FOOT FOUNDATION FOR TRAFFIC POLE WITH 16', 20', OR 26' MONOTUBE MAST ARM.
 2. CONCRETE MUST MEET IDOT REQUIREMENTS FOR PORTLAND CEMENT CLASS SI CONCRETE.
 3. REINFORCING BARS MUST MEET ASTM A-615 GRADE 60.

NOTE: HOLE FOR FOUNDATION MUST BE AUGURED IN UNDISTURBED SOIL

CODE	COMMODITY	SIZE	QUANTITY
05-3267-2940	REDI-MIX CONCRETE	CU. YD.	0.82 OR 1.05
09-4001	ELBOW, LARGE RADIUS	2", 2-1/2", 3", 4"	VARIES
37-8180-0200	ANCHOR ROD	1-1/4" X 60"	4
05-5054-6910	RE-BAR CAGE	20" X 6' (or 8')	1
09-7796-9200	GROUND ROD	3/4" X 12'-0"	1
09-2636-3240	GROUND ROD CLAMP	3/4"	1
09-2092-	GROUND BUSHING	2", 2-1/2", 3" OR 4"	VARIES

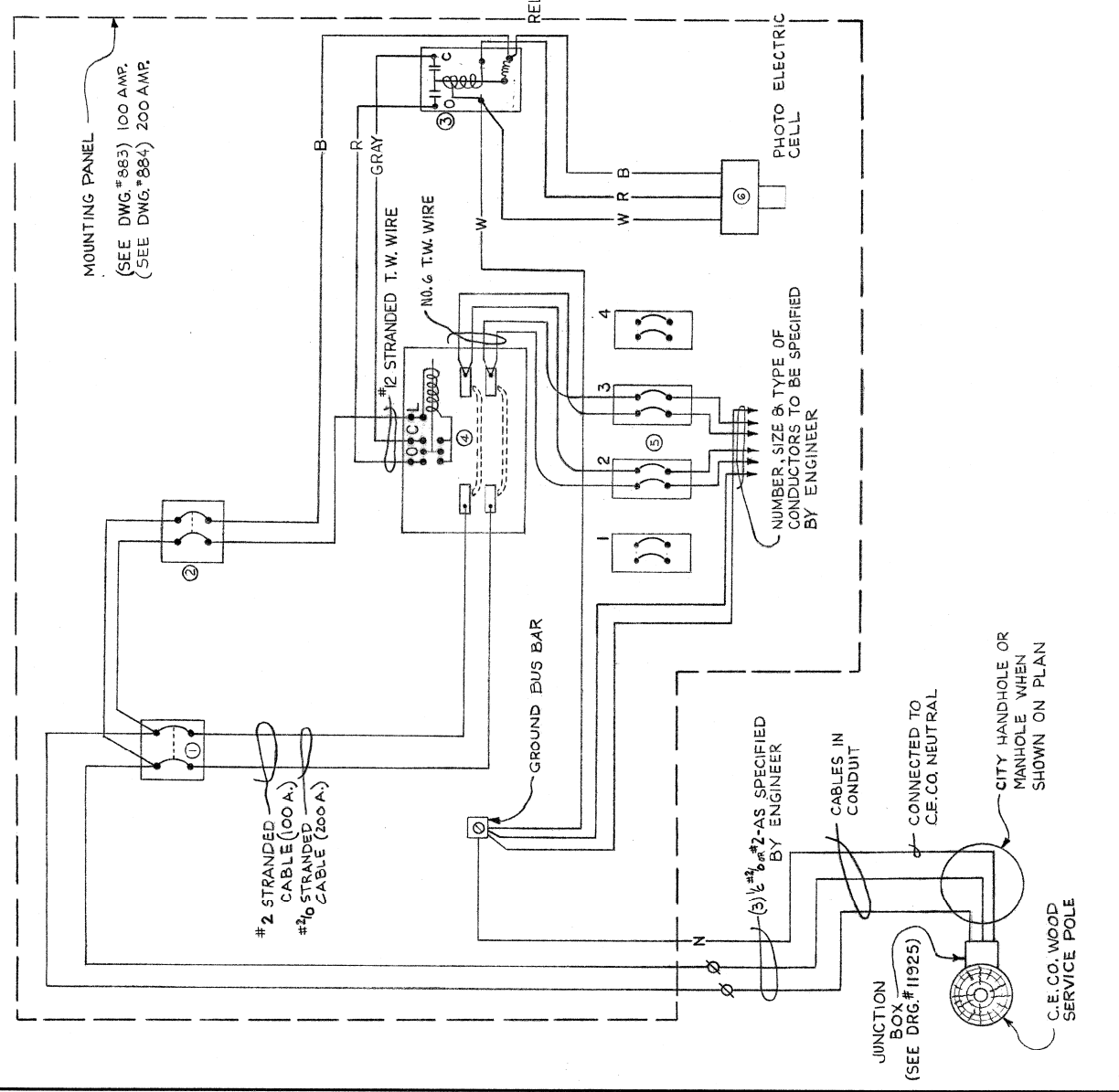
8/21/02	SUPERCEDES DWG #818 DRAWN 4/21/81
DATE	REVISION
FOUNDATION FOR 34-5' ARTERIAL STREET LIGHT OR TRAFFIC SIGNAL POLE - 3 OR 7 GAUGE WITH 15" BOLT CIRCLE	
CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICAL ENGINEERING DIVISION OF ELECTRICAL ENGINEERING	
DRAFTSMAN: B. GARNSEY	CHIEF DRAFTSMAN: R. CARTER
ELECTRICAL DESIGN ENGINEER	ENGINEER: B. GARNSEY
ENGINEER OF ELECTRICAL	DRAWING NO. 818
GENERAL SUPERINTENDENT	
DEPUTY COMMISSIONER	
SIZE: 11" x 17"	SCALE: NONE
	8/21/02

- CIRCUIT BREAKER - 2 POLE, 100A, FDB FRAME OR 2 POLE, 200A, JDB FRAME (WESTINGHOUSE CO.)
 - MANUAL STARTER - 2 POLE, 15, 3A, THERMAL OVERLOAD (SQUARE D, CLASS 2510, TYPE FC-2)
 - RELAY (POTTER-BRUNFIELD PRD 5AY0-120)
 - REMOTE CONTROL SWITCH - 2 POLE, 100A OR 2 POLE, 200A, 240 V. A.C. COIL (AUTOMATIC SWITCH CO.)
 - BRANCH CIRCUIT BREAKER - 2 POLE, 50A, OR 70A, "EHD" FRAME. (WESTINGHOUSE CO.)
 - PHOTO ELECTRIC CELL (FISHER PIERCE NIGHTLIGHTER, MODEL FA105, 1000 WATT)
- SEE DRG #876 FOR CABINET ASSEMBLY (100AMP).
 SEE DRG #880 FOR CABINET ASSEMBLY (200AMP).
- NOTES**
- MOUNT PHOTOCELL IN BOTTOM OF CABINET AT RIGHT SIDE. BOTTOM OF PHOTOCELL TO BE FLUSH OR SLIGHTLY ABOVE OUTSIDE EDGE OF CABINET.
 - GROUND BUS TO BE MOUNTED ON LEFT SIDE WALL OF CABINET (SEE DETAIL DRG. NO. 883 AND 884.)
 - SEE DRG. NO. 883 FOR DETAIL OF MOUNTING PANEL. (100 AMP)
 - SEE DRG. NO. 884 FOR DETAIL OF MOUNTING PANEL. (200 AMP)

DATE	REVISION
A	

WIRING DIAGRAM FOR 100/200 AMP, SINGLE PHASE 240V. STREET LIGHTING CONTROLLER WITH PHOTO CELL (120V)

CITY OF CHICAGO DEPT. OF STREETS AND SANITATION DIVISION OF ELECTRICAL ENGINEERING	
DRAFTSMAN: BOB IVY	ENGINEER: W. TROMPKA
CHIEF DRAFTSMAN: C. RESPINO	DWG. NO. 862
SUPERVISING ENGINEER: D. CARLSON	
ENGINEER OF ELECTRICAL: A. D. Kelsky	
SUPT. OF CONSTRUCTION:	
DEPUTY COMMISSIONER:	
SIZE: 16 x 21	SCALE: NONE
	DATE: 10-07-90



FILE NAME = D:\6\78-shr-RL-30_CDOTDetails.dgn



USER NAME = augeungh
 DESIGNED - PFD
 DRAWN - CAM
 PLOT SCALE = 1:8000 / 1"
 PLOT DATE = 11/19/2014

DESIGNED - PFD
 DRAWN - CAM
 CHECKED - WDS
 DATE - 11/14/2014

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CDOT DETAILS

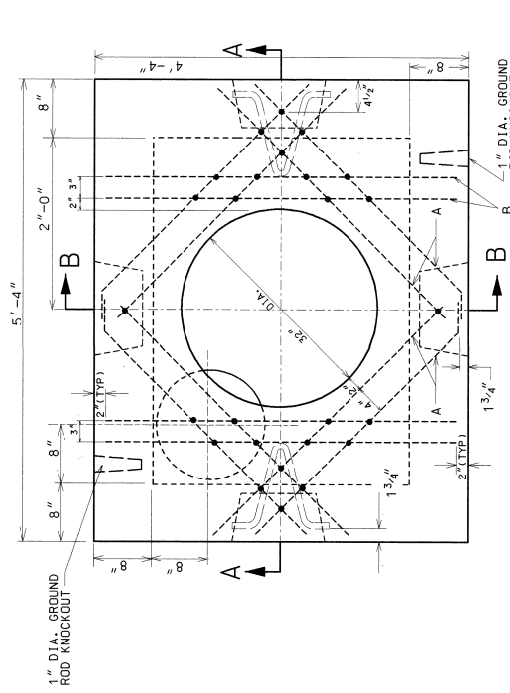
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	288
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

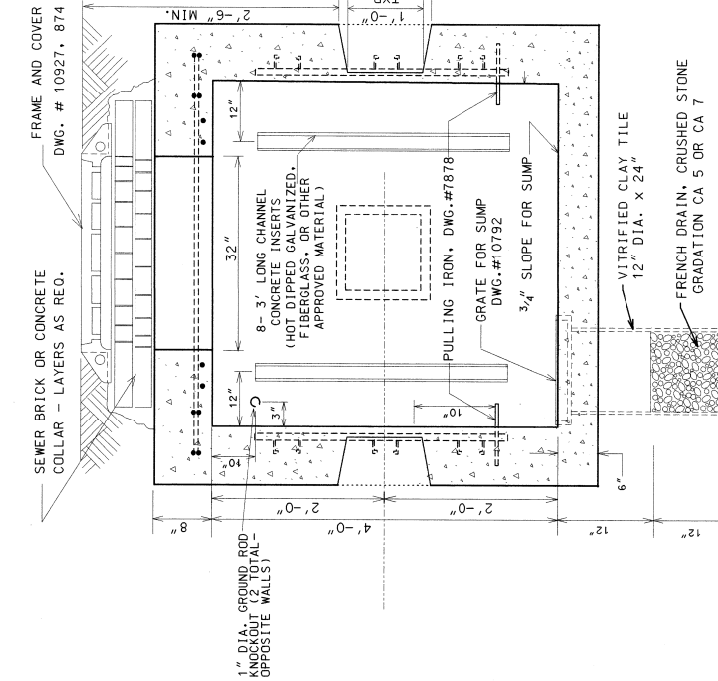
RL-30

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	DATE - 11/14/2014	REVISED -

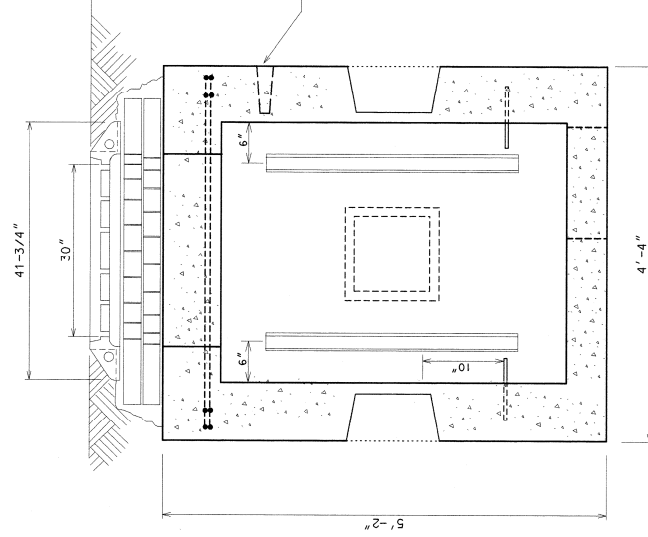
F.A.I. RTE. 55	SECTION 2010-080-B	COUNTY COOK	TOTAL SHEETS 886	SHEET NO. 289
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L70	



ROOF PLAN



SECTION A-A



SECTION B-B

EXCAVATION (CONSTRUCTION INFORMATION)

COMPLETE MANHOLE	5.0 CU. YDS.
NEW ROOF ONLY	2.0 CU. YDS.
SHEETING MANHOLE	150.0 SQ. FT.

#5 REINFORCING BARS	
BAR LENGTH	NO. OF BARS
A 2'-9"	8
B 4'-0"	4
TOTAL FT. 22'-0"	

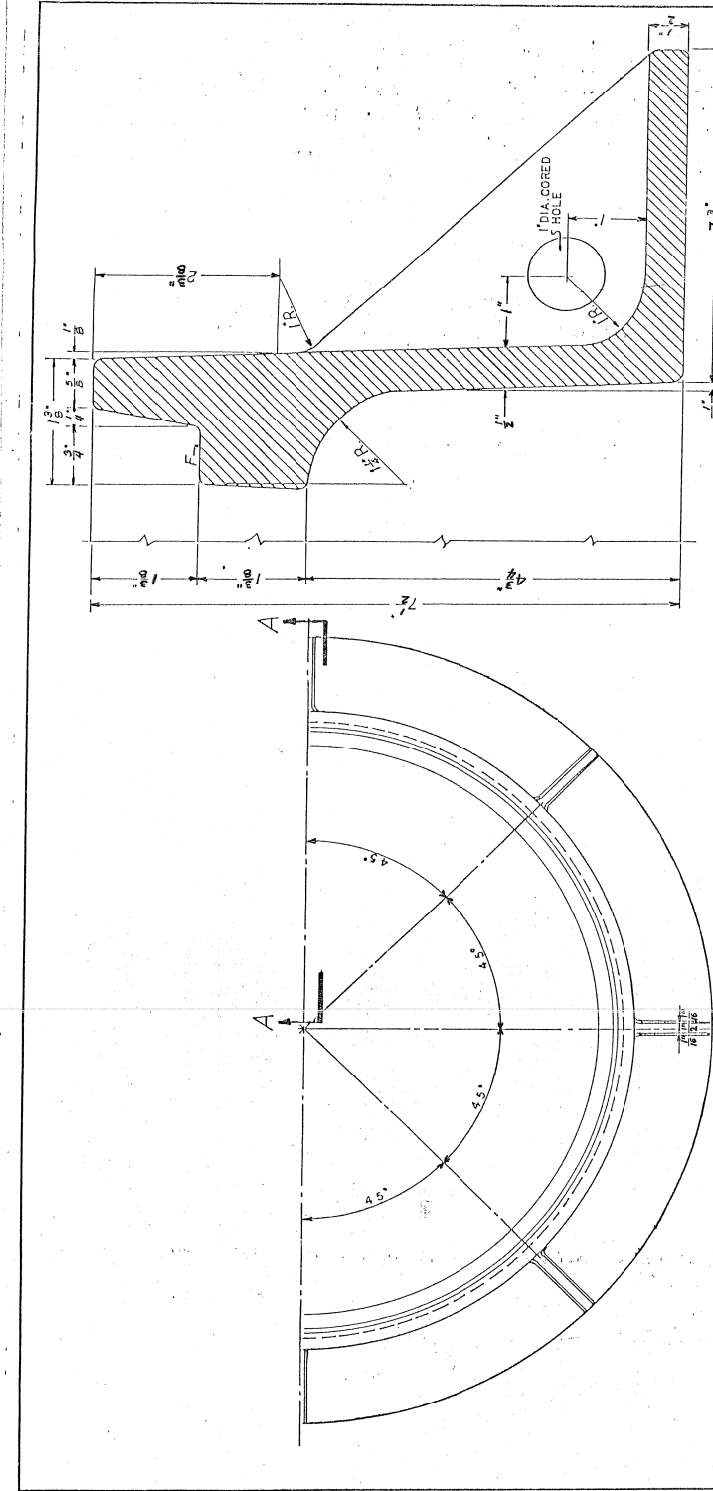
MATERIALS FOR ROOF ONLY	
CONCRETE	0.5 CU. YDS.
REINFORCING BARS #5	38'

DRG.	MATERIAL	CODE	SIZE	No. (See)
	FORM FOR MANHOLE	17-6874-6000	3'x4'x4'	1
	CONDUIT END BELL	17-6848-3520	AS REQ.	
	TILE - SEWER	39-4038-3200	12"/24"	20
	SLAB BOLSTER	20-5472-9650	5/8" @ 38"	
	BAR, REINFORCING	13-9938-6106	#20@A,35"	
	TIE WIRE	02-4483-6970	3/4" @ 2"	
7878	PULLING IRON	05-3267-2940	3 CU. YDS	
	SEWER BRICK	05-1462-9720	STD. 80	
10792	GRATE FOR SUMP	02-4368-7100	15" @ 1"	
	GROUND ROD	09-7796-9200	3/4" x 10'	1
	GROUND ROD CLAMP	09-2636-3240	3/4"	ONE END
	CRUSHED STONE	05-9057-5471	3/4"	ONE END
874	MANHOLE FRAME	02-4299-5524	30" x 1'	
10927	MANHOLE COVER	02-4574-5040	30"	1
	CONC. CHANNEL INSERT	02-4574-5040	3"	8

NOTES:

1. PRECAST MANHOLES MUST BE PROVIDED WITH CHANNEL INSERTS, PULLING IRONS, AND CONDUIT KNOCK-OUTS.
2. ALL CONCRETE MUST BE PORTLAND CEMENT CONCRETE MEETING TDDT REQUIREMENTS FOR CLASS PC CONCRETE USING TEST PROCEDURES OR CLASS ST CONCRETE FOR CAST-IN-PLACE STRUCTURES.
3. REINFORCING BARS MUST MEET ASTM A615 GRADE 60.

DATE	8/21/02 SUPERCEDES DWG. 729 DATED JAN 12, 1996
REVISION	1/12/96 SUPERCEDES DWG. 729 DATED NOV. 21, 1973
3' x 4' x 4' CONCRETE MANHOLE WITH 30" FRAME AND COVER	
CITY OF CHICAGO DEPT. OF STREET AND SANITATION DIVISION OF ELECTRICAL ENGINEERING ELECTRICAL DESIGN ENGINEER B. GARNSEY ELECTRICAL DESIGN ENGINEER R. CARTER DRAWING NO. 729	
SCALE	1 1/4" x 2 1/2" NONE
DATE:	8/21/02



HALF PLAN

HALF ELEVATION

TYPICAL SECTION THRU FRAME

REVISIONS	NO.	DATE	BY	CHKD.
A				
B				
C	15-5-92			
D				
E				
F				
G				

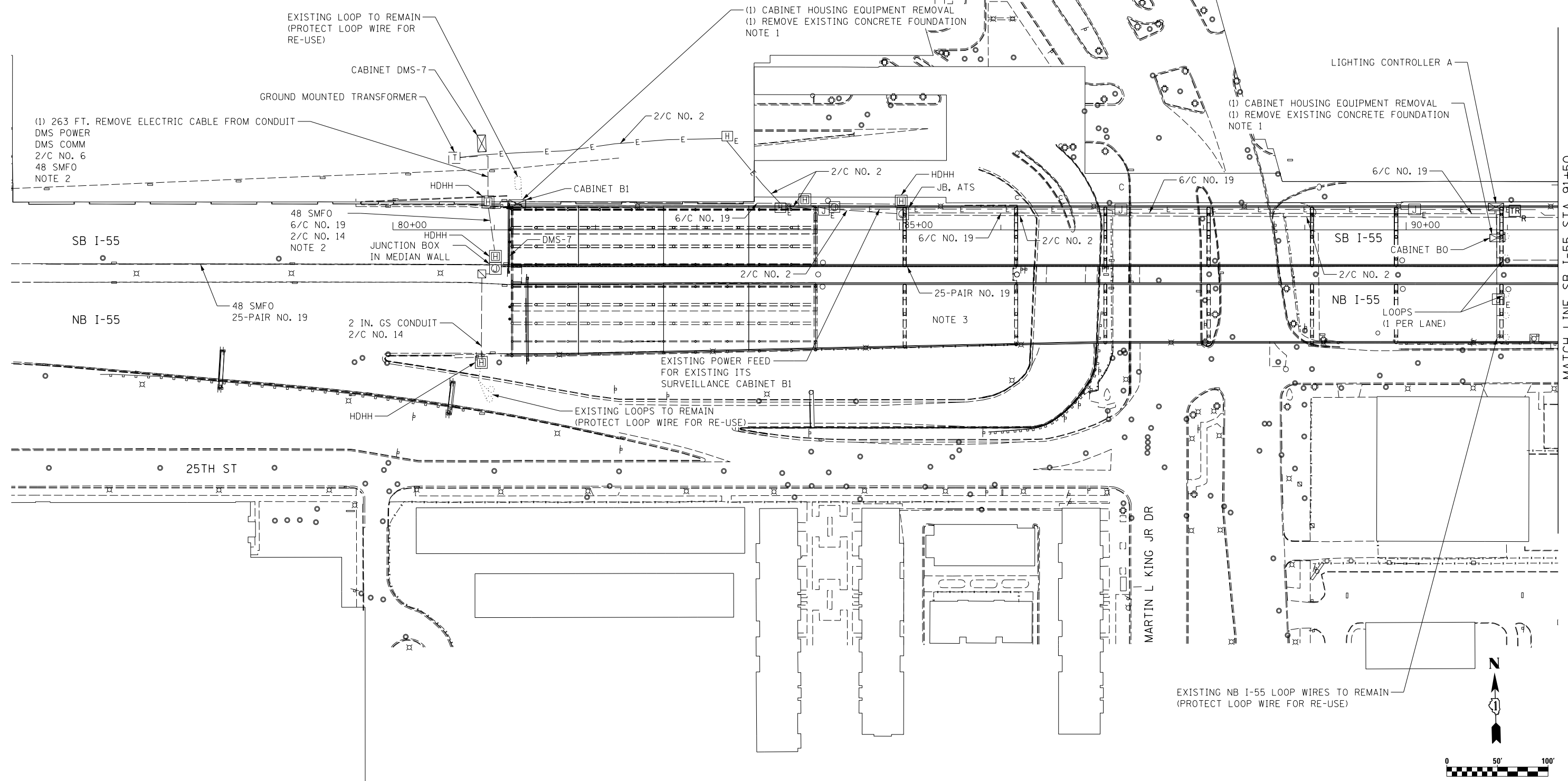
30" CIRCULAR STREET MANHOLE FRAME
CITY OF CHICAGO
DEPT. OF STREET AND SANITATION
DIVISION OF ELECTRICAL ENGINEERING
ELECTRICAL DESIGN ENGINEER
B. GARNSEY
ELECTRICAL DESIGN ENGINEER
R. CARTER
DRAWING NO. 874
SCALE: 1/4" = 1'-0"
DATE: 5-9-92

COMMODITY CODE NO.

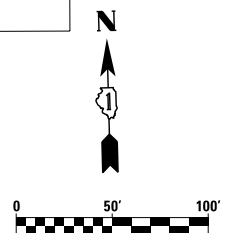
SUPERCEDES DWG. # 10926
DATED 4-6-95

NOTES

1. REMOVE EXISTING SURVEILLANCE EQUIPMENT (SALVAGE) CABINETS B1 AND B0 AND ASSOCIATED SURVEILLANCE EQUIPMENT AND TURN OVER TO IDOT DISTRICT 1. REMOVE EXISTING CABINET FOUNDATION.
2. REMOVE EXISTING 48 SMFO, DMS POWER, AND DMS COMM. CABLES FROM EXISTING CONDUITS. STORE AND PROTECT FOR RE-USE.
3. ALL EXISTING ITS EQUIPMENT ATTACHED TO STRUCTURES TO BE DEMOLISHED SHALL BE REMOVED AS PART OF THE STRUCTURAL REMOVAL PAY ITEMS, UNLESS OTHERWISE NOTED.



MATCH LINE SB I-55 STA 91+50



FILE NAME = D:\606170-Sht-ITS-01.dgn



USER NAME = augeungh	DESIGNED - GWS	REVISED -
	DRAWN - CAM	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING/REMOVAL ITS PLANS

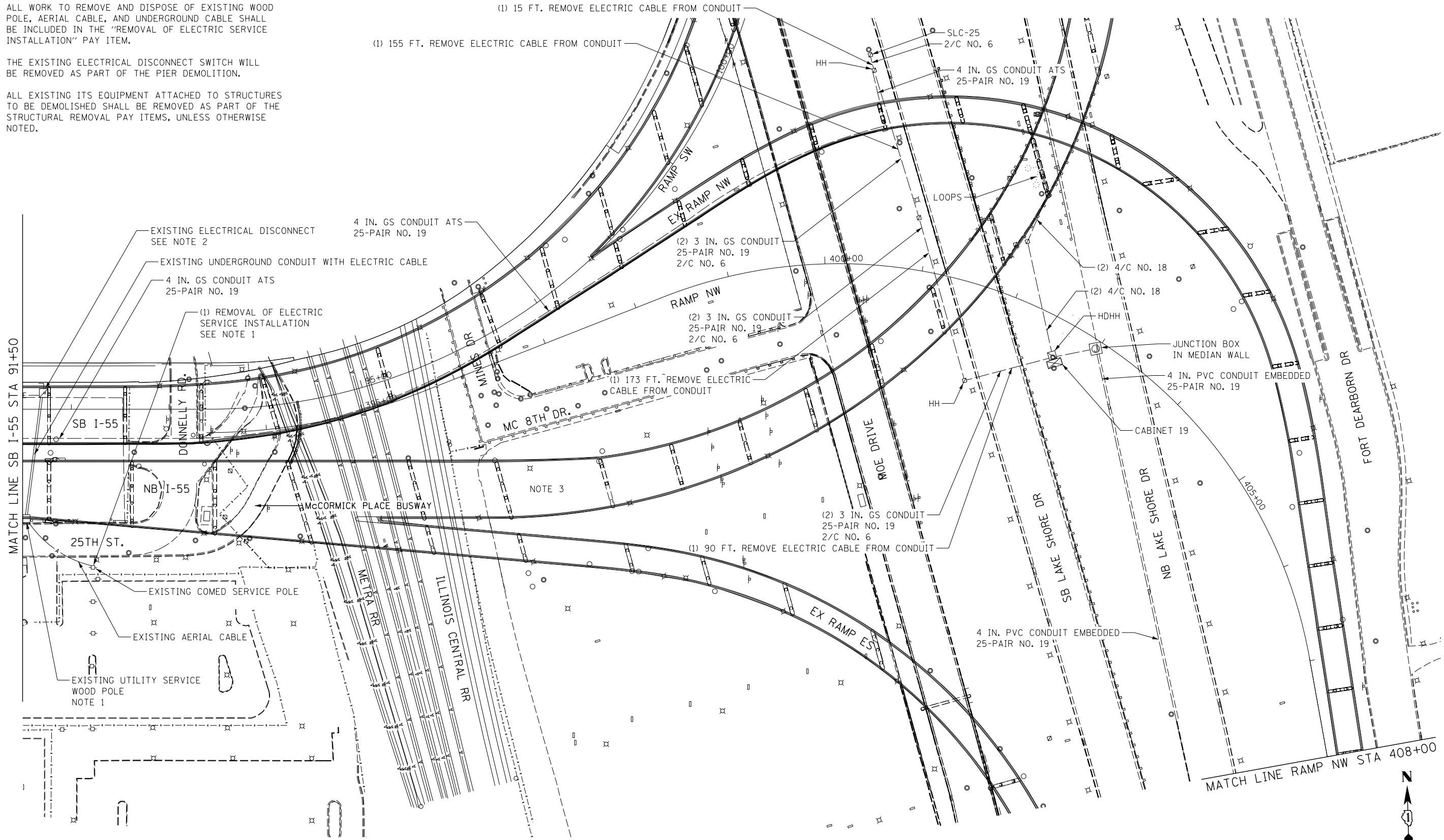
SCALE: 1" = 50' SHEET NO. 1 OF 28 SHEETS STA. 85+86 TO STA. 91+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	290
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

ITS-01

NOTES

1. ALL WORK TO REMOVE AND DISPOSE OF EXISTING WOOD POLE, AERIAL CABLE, AND UNDERGROUND CABLE SHALL BE INCLUDED IN THE "REMOVAL OF ELECTRIC SERVICE INSTALLATION" PAY ITEM.
2. THE EXISTING ELECTRICAL DISCONNECT SWITCH WILL BE REMOVED AS PART OF THE PIER DEMOLITION.
3. ALL EXISTING ITS EQUIPMENT ATTACHED TO STRUCTURES TO BE DEMOLISHED SHALL BE REMOVED AS PART OF THE STRUCTURAL REMOVAL PAY ITEMS, UNLESS OTHERWISE NOTED.



ITS-02

FILE NAME = D:\60L70-Sht-ITS-02.dgn



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 PLOT DATE = 11/19/2014

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 DRAWN - CAM
 CHECKED - JDG
 DATE - 11/14/2014

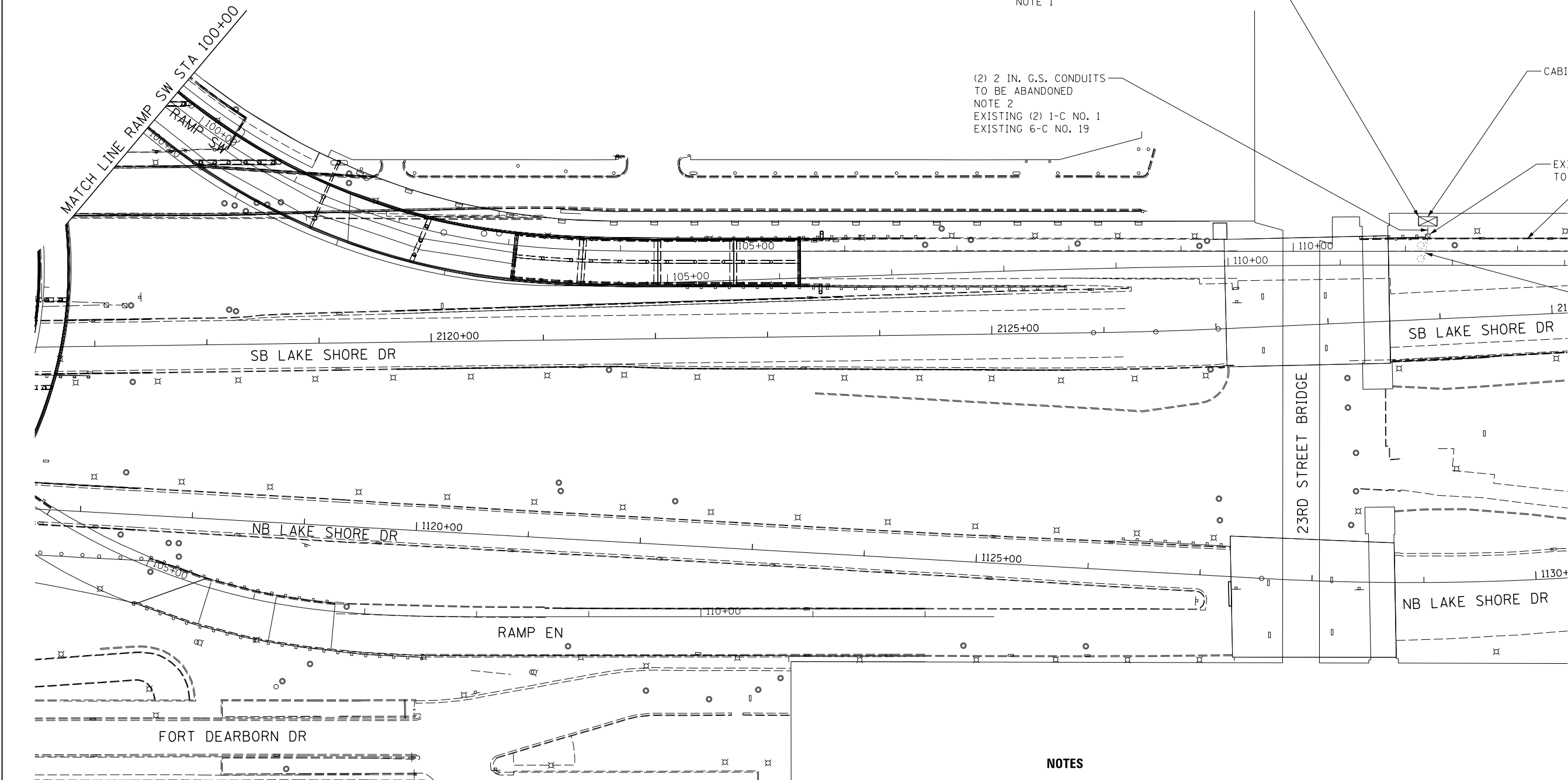
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING/REMOVAL ITS PLANS

SCALE: 1" = 50' SHEET NO. 2 OF 28 SHEETS STA. 91+50 TO STA. 408+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	291
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				



(1) CABINET HOUSING EQUIPMENT REMOVAL
 (1) REMOVE EXISTING CONCRETE FOUNDATION
 NOTE 1

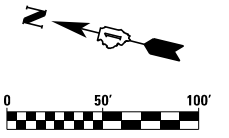
(2) 2 IN. G.S. CONDUITS
 TO BE ABANDONED
 NOTE 2
 EXISTING (2) 1-C NO. 1
 EXISTING 6-C NO. 19

CABINET 20
 EXISTING HDHH
 TO REMAIN
 EXISTING (2) 1-C NO. 1
 EXISTING 6-C NO. 19

(2) 6 FT. DIA. LOOPS
 TO BE ABANDONED

NOTES

1. REMOVE EXISTING SURVEILLANCE EQUIPMENT (SALVAGE) CABINET 20 AND ASSOCIATED SURVEILLANCE EQUIPMENT AND TURN OVER TO IDOT DISTRICT 1. REMOVE EXISTING CABINET FOUNDATION.
2. EXISTING CABLES IN CONDUIT ARE TO BE REMOVED AND REINSTALLED.



FILE NAME = D:\6L70-Sht-ITS-02A.dgn



USER NAME = myersc	DESIGNED - GWS	REVISED -
PLOT SCALE = 100.0000' / 1" =	DRAWN - CAM	REVISED -
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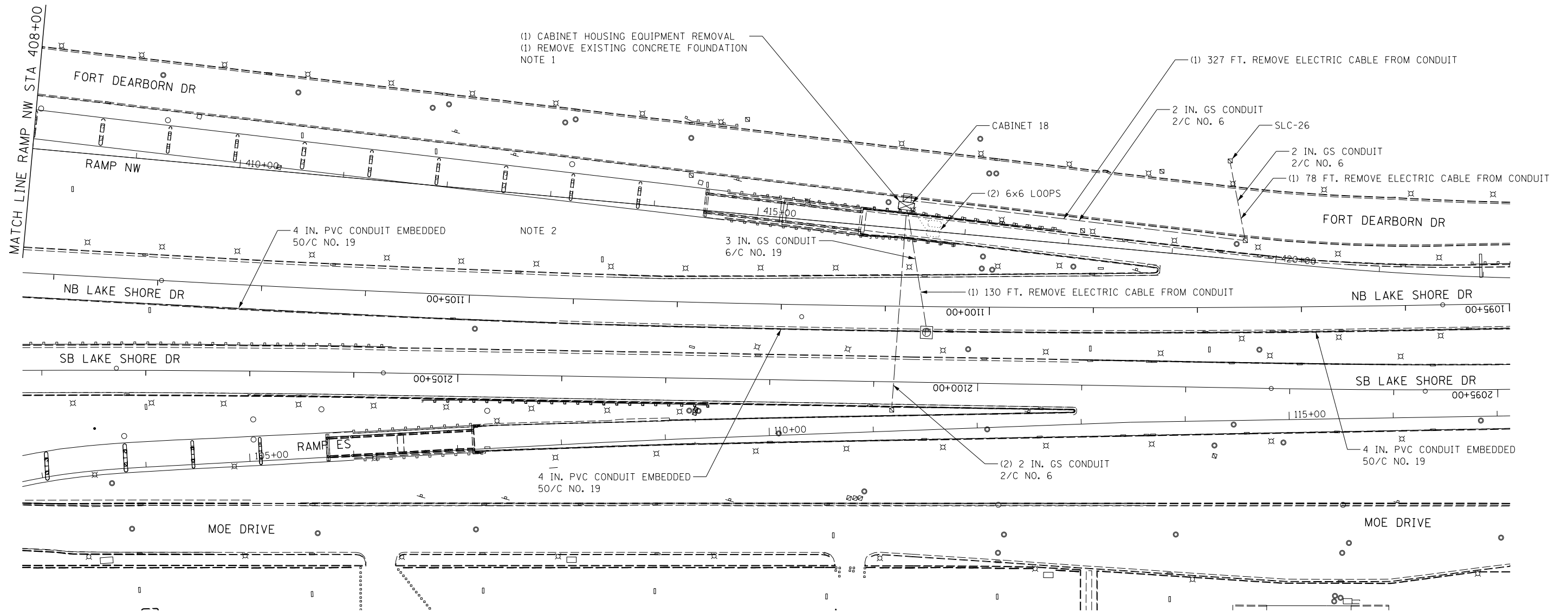
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTINGREMOVAL ITS PLANS

SCALE: 1" = 50' SHEET NO. 2A OF 28 SHEETS STA. 408+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	291A
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

ITS-02A



NOTES

1. REMOVE EXISTING SURVEILLANCE EQUIPMENT (SALVAGE) CABINET 18 AND ASSOCIATED SURVEILLANCE EQUIPMENT AND TURN OVER TO IDOT DISTRICT 1. REMOVE EXISTING CABINET FOUNDATION.
2. ALL EXISTING ITS EQUIPMENT ATTACHED TO STRUCTURES TO BE DEMOLISHED SHALL BE REMOVED AS PART OF THE STRUCTURAL REMOVAL PAY ITEMS, UNLESS OTHERWISE NOTED.

FILE NAME = D:\60170-Sht-ITS-03.dgn



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PLOT DATE = 11/19/2014	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING/REMOVAL ITS PLANS

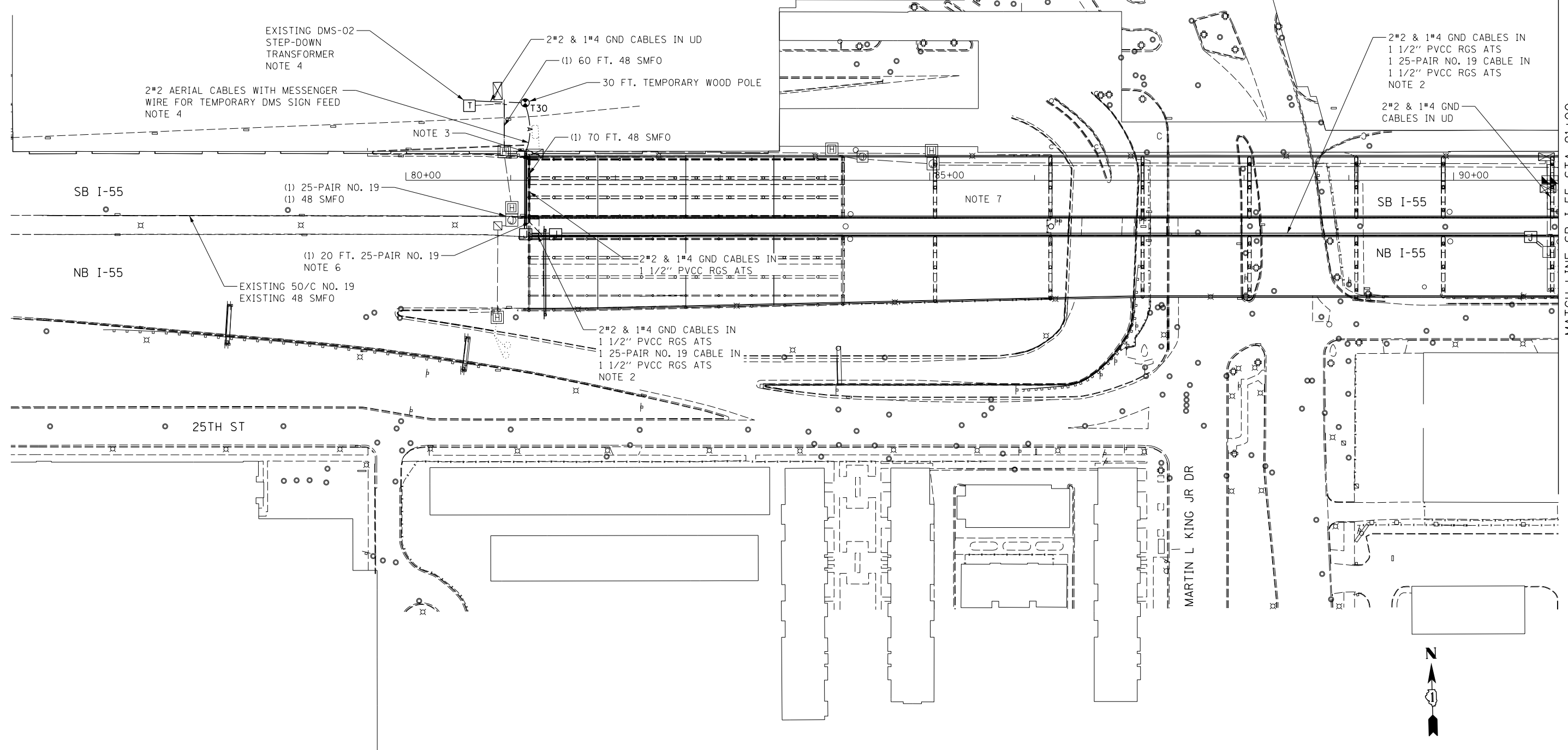
SCALE: 1" = 50' SHEET NO. 3 OF 28 SHEETS STA. 408+00 TO STA. 422+28.31

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	292
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

ITS-03

NOTES

- ROUTE CABLES IN UNIT DUCT UP EXISTING PIER E9 IN 3" PVC COATED RIGID GALVANIZED STEEL CONDUIT TO JUNCTION BOX AS SHOWN ON DRAWING RL-19.
- ATTACH CONDUIT TO THE OUTSIDE OF THE EXISTING PARAPET/BARRIER WALL WITH PVC COATED CONDUIT CLAMPS.
- ATTACHED CONDUIT TO THE DMS SIGN STRUCTURE USING IDOT APPROVED PVC COATED BEAM CLAMPS. PROVIDE A WEATHER HEAD AT THE NORTH END OF THE CONDUIT RUN WHERE THE CABLES IN CONDUIT WILL BE SPLICED TO THE AERIAL CABLES.
- PROVIDE A TEMPORARY FEED FROM THE MAIN DISTRIBUTION PANEL (MDP) TO THE EXISTING STEP-DOWN TRANSFORMER FOR DMS-7 AS SHOWN. THIS TEMPORARY FEED MUST BE INSTALLED PRIOR TO CONSTRUCTION STAGE 2A. THE EXISTING POWER FEED TO THE DMS SIGN MUST NOT BE DE-ENERGIZED AND REMOVED UNTIL THE TEMPORARY FEED HAS BEEN INSTALLED, TESTED AND ACCEPTED BY IDOT.
- ROUTE AERIAL CABLE ACROSS THE SB I-55 ENTRANCE RAMP FROM THE EXISTING DMS SIGN TO THE TEMPORARY WOOD POLE AS SHOWN.
- EXISTING 25-PAIR NO. 19 COMMUNICATION CABLE TO BE TEMPORARILY RELOCATED DURING CONSTRUCTION.
- ALL WORK SHOWN ON THIS SHEET SHALL BE INCLUDED IN AND PAID FOR AS PART OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
- SPECIFIC ITEMS AND METHODS ON THIS DRAWING ARE SUGGESTED METHODS OF MAINTAINING EXISTING IDOT ITS POWER SERVICE AND BACKBONE COMMUNICATIONS. THE CONTRACTOR MAY PROPOSE ALTERNATE METHODS.



MATCH LINE SB I-55 STA 91+00

FILE NAME = D:\60L70-Sht-ITS-04.dgn



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PLOT SCALE = 50.0000' / in.	DRAWN - CAM	REVISED -
PLOT DATE = 11/19/2014	CHECKED - JDG	REVISED -
	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTAINING ITS PLANS

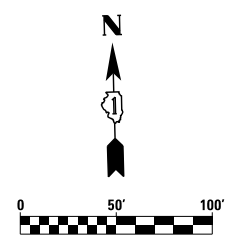
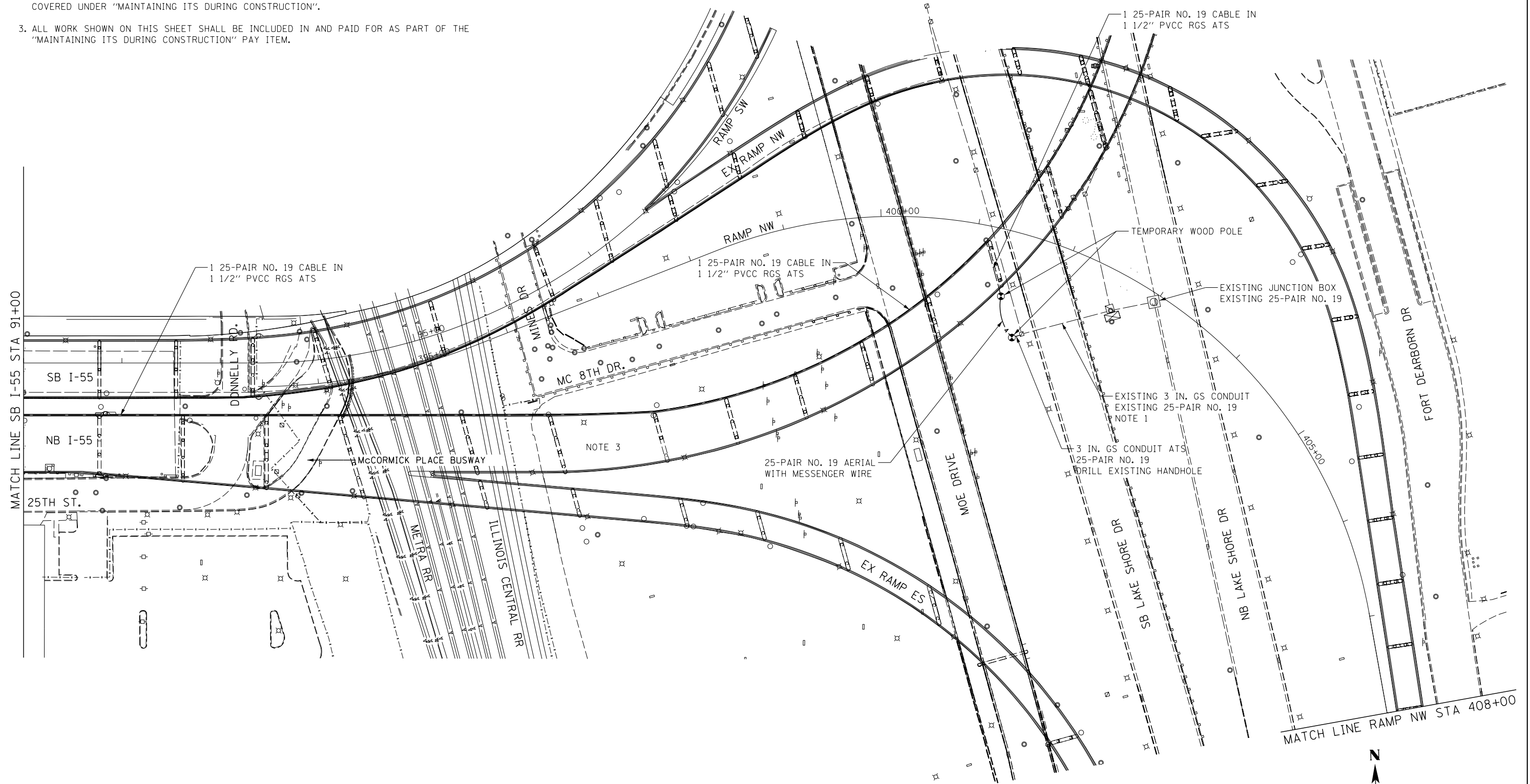
SCALE: 1" = 50' SHEET NO. 4 OF 28 SHEETS STA. 85+86 TO STA. 91+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	293
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

ITS-04

NOTES

1. LOCATION OF 25-PAIR NO. 19 COMMUNICATION CABLE TO BE TEMPORARILY RELOCATED DURING CONSTRUCTION.
2. SPECIFIC ITEMS AND METHODS ON THIS PLAN ARE SUGGESTED METHODS OF MAINTAINING EXISTING POWER SERVICE AND BACKBONE COMMUNICATIONS. THE CONTRACTOR MAY PROPOSE ALTERNATE METHODS. ALL WORKMANSHIP AND MATERIALS FOR THIS EFFORT SHALL BE COVERED UNDER "MAINTAINING ITS DURING CONSTRUCTION".
3. ALL WORK SHOWN ON THIS SHEET SHALL BE INCLUDED IN AND PAID FOR AS PART OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.



FILE NAME = D:\60L70-Sht-ITS-05.dgn



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	DRAWN - CAM	REVISED -
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PLOT DATE = 11/19/2014	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTAINING ITS PLANS

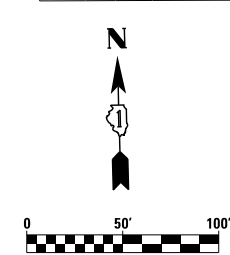
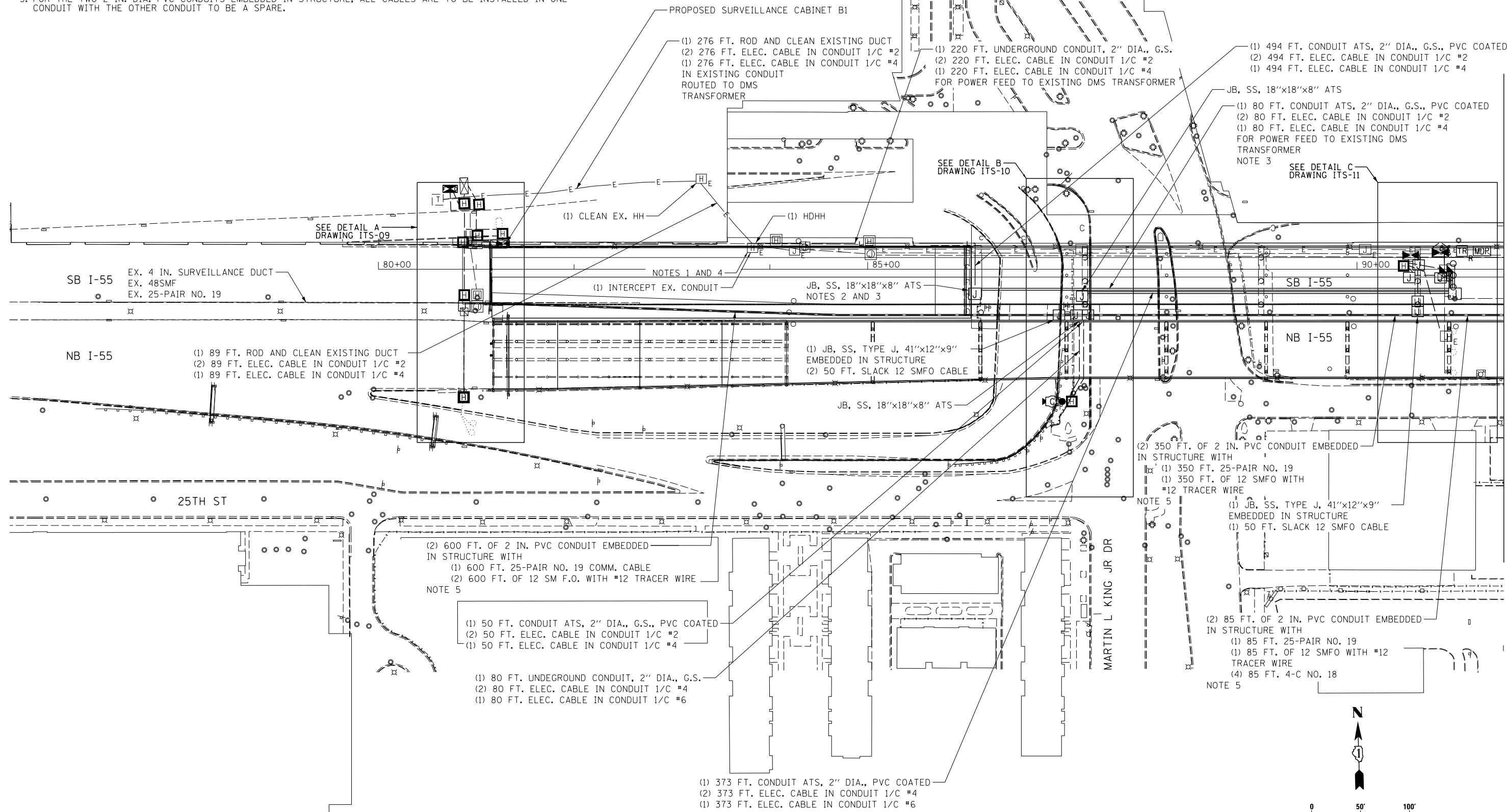
SCALE: 1" = 50' SHEET NO. 5 OF 28 SHEETS STA. 91+00 TO STA. 408+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	294
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

ITS-05

NOTES

1. INTERCEPT EXISTING CONDUITS FOR THE DMS TRANSFORMER FEED WITH A PROPOSED HANDHOLE AND CONNECT TO THE PROPOSED DMS TRANSFORMER POWER FEED AS SHOWN.
2. CLAMP CONDUIT TO THE STRUCTURAL BEAM USING IDOT APPROVED BEAM CLAMPS.
3. SEE DRAWING RL-18 FOR CONDUIT INSTALLATION DETAILS ON THE WEST ABUTMENT.
4. COORDINATE HANDHOLE AND CONDUIT INSTALLATION WORK WITH THE MSE WALL CONSTRUCTION IN THIS AREA.
5. FOR THE TWO 2 IN. DIA. PVC CONDUITS EMBEDDED IN STRUCTURE, ALL CABLES ARE TO BE INSTALLED IN ONE CONDUIT WITH THE OTHER CONDUIT TO BE A SPARE.



FILE NAME = D:\60L78-Sht-ITS-06.dgn

AECOM
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-3276
PHONE: (312) 373-7700 FAX: (312) 373-8800

USER NAME = augeungh	DESIGNED - GWS	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - CAM	REVISED -
PLOT DATE = 11/19/2014	CHECKED - JDG	REVISED -
	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

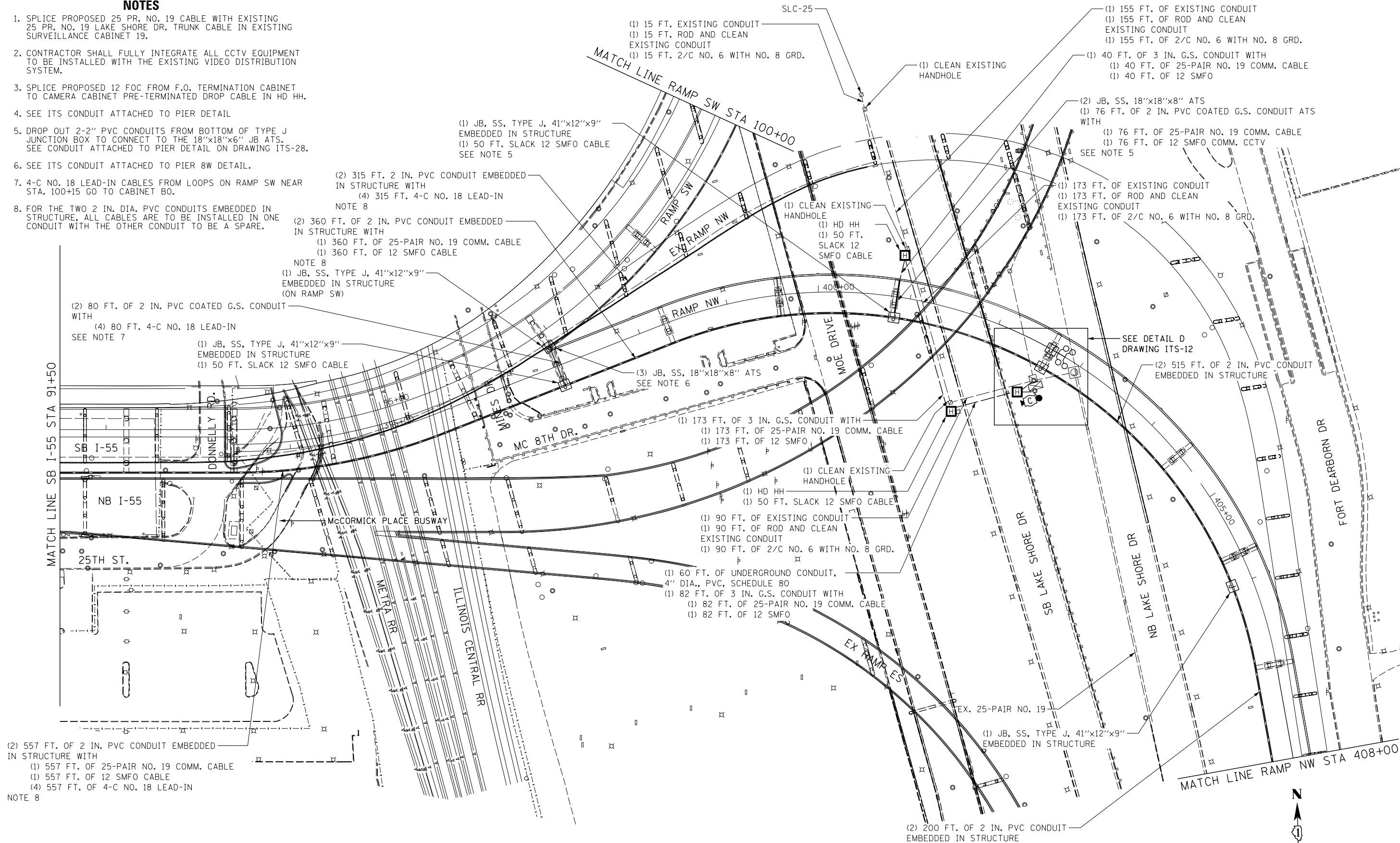
ITS PLANS
SCALE: 1" = 50' SHEET NO. 6 OF 28 SHEETS STA. 85+86 TO STA. 91+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	295
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

ITS-06

NOTES

1. SPLICE PROPOSED 25 PR. NO. 19 CABLE WITH EXISTING 25 PR. NO. 19 LAKE SHORE DR. TRUNK CABLE IN EXISTING SURVEILLANCE CABINET 19.
2. CONTRACTOR SHALL FULLY INTEGRATE ALL CCTV EQUIPMENT TO BE INSTALLED WITH THE EXISTING VIDEO DISTRIBUTION SYSTEM.
3. SPLICE PROPOSED 12 FOC FROM F.O. TERMINATION CABINET TO CAMERA CABINET PRE-TERMINATED DROP CABLE IN HD HH.
4. SEE ITS CONDUIT ATTACHED TO PIER DETAIL
5. DROP OUT 2-2" PVC CONDUITS FROM BOTTOM OF TYPE J JUNCTION BOX TO CONNECT TO THE 18"x18"x6" JB ATS. SEE CONDUIT ATTACHED TO PIER DETAIL ON DRAWING ITS-28.
6. SEE ITS CONDUIT ATTACHED TO PIER 8W DETAIL.
7. 4-C NO. 18 LEAD-IN CABLES FROM LOOPS ON RAMP SW NEAR STA. 100+15 GO TO CABINET B0.
8. FOR THE TWO 2 IN. DIA. PVC CONDUITS EMBEDDED IN STRUCTURE, ALL CABLES ARE TO BE INSTALLED IN ONE CONDUIT WITH THE OTHER CONDUIT TO BE A SPARE.



- (2) 557 FT. OF 2 IN. PVC CONDUIT EMBEDDED IN STRUCTURE WITH
 (1) 557 FT. OF 25-PAIR NO. 19 COMM. CABLE
 (1) 557 FT. OF 12 SMFO CABLE
 (4) 557 FT. OF 4-C NO. 18 LEAD-IN
 NOTE 8

FILE NAME = D:\60L70-Sht-ITS-07.dgn



USER NAME = augeungh	DESIGNED - GWS	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - CAM	REVISED -
PLOT DATE = 11/19/2014	CHECKED - JDG	REVISED -
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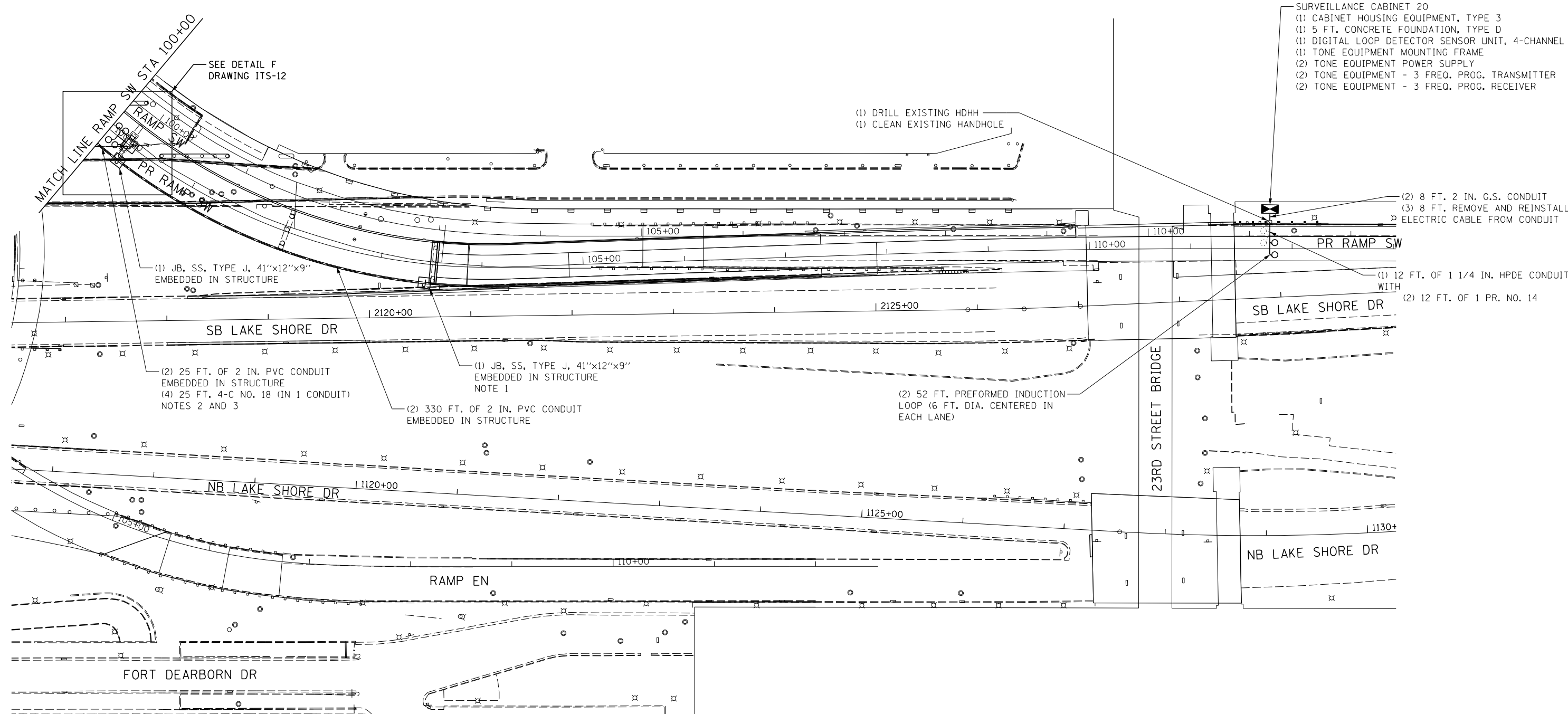
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS PLANS

SCALE: 1" = 50' SHEET NO. 7 OF 28 SHEETS STA. 91+50 TO STA. 408+00

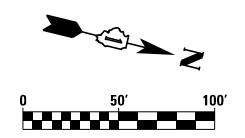
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	296
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

ITS-07



NOTES

- DROP OUT CONDUITS FROM BOTTOM OF JUNCTION BOX AND CAP. SEE ITS CONDUIT EXPANSION DETAIL.
- FOR THE TWO 2 IN. DIA. PVC CONDUITS EMBEDDED IN STRUCTURE, ALL CABLES ARE TO BE INSTALLED IN ONE CONDUIT WITH THE OTHER CONDUIT TO BE A SPARE.
- LOOPS CABLES GO TO CABINET B0.



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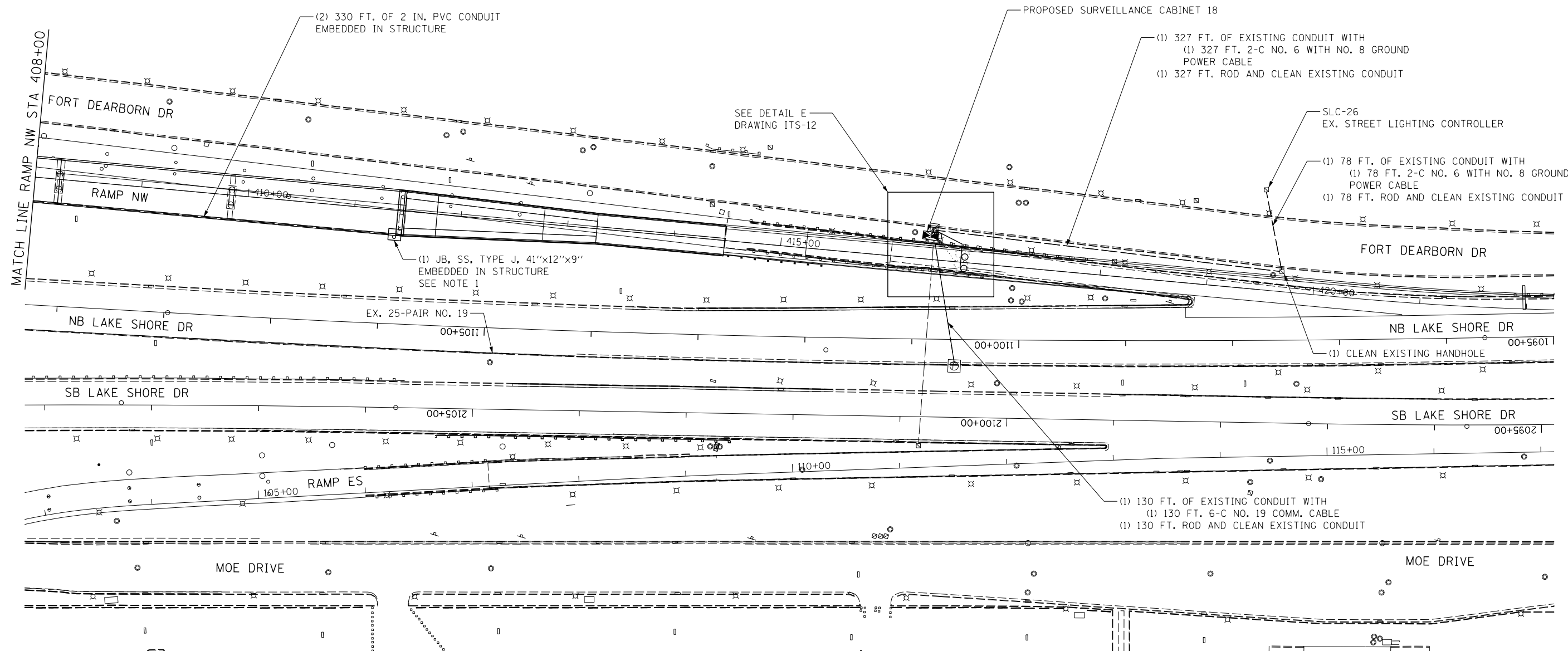
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PLOT SCALE = 100.0000' / 1"	DRAWN - CAM	REVISED -
PLOT DATE = 12/4/2014	CHECKED - JDG	REVISED -
	DATE - 12/5/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS PLANS
SCALE: 1" = 50' SHEET NO. 7A OF 28 SHEETS STA. 408+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	296A
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

ITS-07A



NOTES

1. DROP OUT CONDUITS FROM BOTTOM OF JUNCTION BOX AND CAP. SEE ITS CONDUIT EXPANSION DETAIL.

FILE NAME = D:\606178-Sht-ITS-08.dgn



USER NAME = augeungh	DESIGNED - GWS	REVISED -
	DRAWN - CAM	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - JDG	REVISED -
PLOT DATE = 11/19/2014	DATE - 11/14/2014	REVISED -

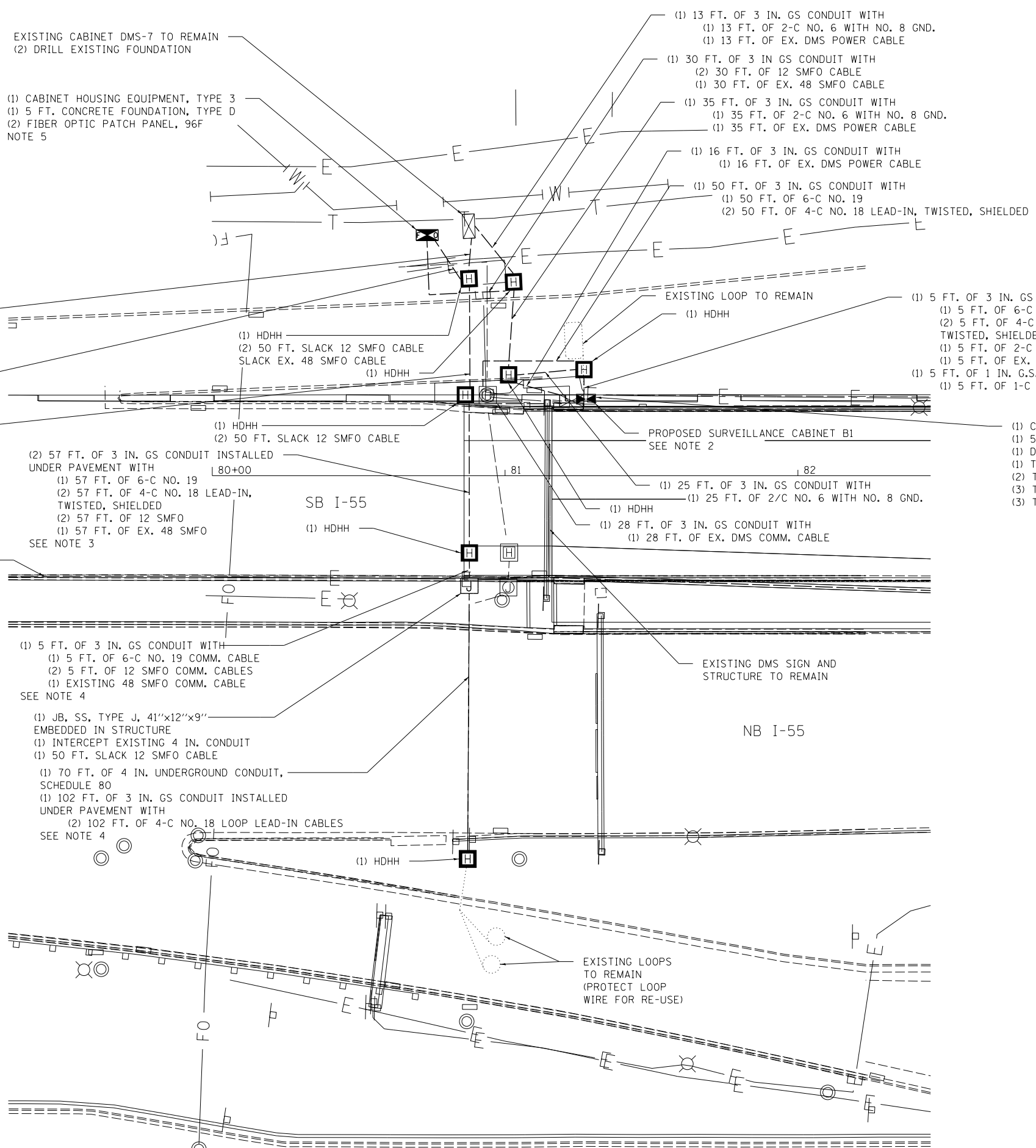
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS PLANS

SCALE: 1" = 50' SHEET NO. 8 OF 28 SHEETS STA. 408+00 TO STA. 422+28.31

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	297
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

ITS-08



EXISTING CABINET DMS-7 TO REMAIN
(2) DRILL EXISTING FOUNDATION

(1) CABINET HOUSING EQUIPMENT, TYPE 3
(1) 5 FT. CONCRETE FOUNDATION, TYPE D
(2) FIBER OPTIC PATCH PANEL, 96F
NOTE 5

(1) 5 FT. OF 1 IN. G.S. CONDUIT WITH
(1) 5 FT. OF 1-C NO. 6 GROUND
(1) 5 FT. OF 3 IN. GS CONDUIT WITH
(1) 5 FT. OF EX. DMS COMM. CABLE

(1) 11 FT. OF 3 IN. GS CONDUIT WITH
(1) 11 FT. OF 2/C NO. 6 WITH NO. 8 GND.

(1) 37 FT. OF 3 IN. GS CONDUIT WITH
(1) 37 FT. OF EX. 48 SMFO CABLE
(1) 37 FT. OF EX. DMS COMM. CABLE
(2) 37 FT. OF 12 SMFO CABLE
SEE NOTE 3

EX. 4" CONDUIT EMBEDDED IN STRUCTURE WITH
EX. 48 SMFO CABLE
EX. 25-PAIR NO. 19 CABLE

(1) 57 FT. OF 3 IN. GS CONDUIT INSTALLED
UNDER PAVEMENT WITH
(1) 57 FT. OF 6-C NO. 19
(2) 57 FT. OF 4-C NO. 18 LEAD-IN,
TWISTED, SHIELDED
(2) 57 FT. OF 12 SMFO
(1) 57 FT. OF EX. 48 SMFO
SEE NOTE 3

(1) 5 FT. OF 3 IN. GS CONDUIT WITH
(1) 5 FT. OF 6-C NO. 19 COMM. CABLE
(2) 5 FT. OF 12 SMFO COMM. CABLES
(1) EXISTING 48 SMFO COMM. CABLE
SEE NOTE 4

(1) JB, SS, TYPE J, 41"x12"x9"
EMBEDDED IN STRUCTURE
(1) INTERCEPT EXISTING 4 IN. CONDUIT
(1) 50 FT. SLACK 12 SMFO CABLE

(1) 70 FT. OF 4 IN. UNDERGROUND CONDUIT,
SCHEDULE 80
(1) 102 FT. OF 3 IN. GS CONDUIT INSTALLED
UNDER PAVEMENT WITH
(2) 102 FT. OF 4-C NO. 18 LOOP LEAD-IN CABLES
SEE NOTE 4

(1) 13 FT. OF 3 IN. GS CONDUIT WITH
(1) 13 FT. OF 2-C NO. 6 WITH NO. 8 GND.
(1) 13 FT. OF EX. DMS POWER CABLE

(1) 30 FT. OF 3 IN GS CONDUIT WITH
(2) 30 FT. OF 12 SMFO CABLE
(1) 30 FT. OF EX. 48 SMFO CABLE

(1) 35 FT. OF 3 IN. GS CONDUIT WITH
(1) 35 FT. OF 2-C NO. 6 WITH NO. 8 GND.
(1) 35 FT. OF EX. DMS POWER CABLE

(1) 16 FT. OF 3 IN. GS CONDUIT WITH
(1) 16 FT. OF EX. DMS POWER CABLE

(1) 50 FT. OF 3 IN. GS CONDUIT WITH
(1) 50 FT. OF 6-C NO. 19
(2) 50 FT. OF 4-C NO. 18 LEAD-IN, TWISTED, SHIELDED

(1) 5 FT. OF 3 IN. GS CONDUIT WITH
(1) 5 FT. OF 6-C NO. 19
(2) 5 FT. OF 4-C NO. 18, LEAD-IN,
TWISTED, SHIELDED
(1) 5 FT. OF 2-C NO. 6 WITH NO. 8 GROUND
(1) 5 FT. OF EX. LOOP LEAD-IN CABLE
(1) 5 FT. OF 1 IN. G.S. CONDUIT WITH
(1) 5 FT. OF 1-C NO. 6 GROUND

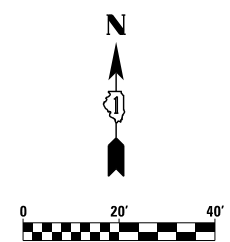
(1) 25 FT. OF 3 IN. GS CONDUIT WITH
(1) 25 FT. OF 2/C NO. 6 WITH NO. 8 GND.

(1) 28 FT. OF 3 IN. GS CONDUIT WITH
(1) 28 FT. OF EX. DMS COMM. CABLE

(1) CABINET HOUSING EQUIPMENT, TYPE 3
(1) 5 FT. CONCRETE FOUNDATION, TYPE D
(1) DIGITAL LOOP DETECTOR SENSOR UNIT, 4-CHANNEL
(1) TONE EQUIPMENT MOUNTING FRAME
(2) TONE EQUIPMENT POWER SUPPLY
(3) TONE EQUIPMENT - 3 FREQ. PROG. TRANSMITTER
(3) TONE EQUIPMENT - 3 FREQ. PROG. RECEIVER

NOTES

- PULL EXISTING DMS POWER AND COMM. CABLES BETWEEN DMS CABINET AND DMS SIGN THROUGH NEW CONDUITS.
- INSTALL NEW FOUNDATION, ESP 3 CABINET AND SURVEILLANCE EQUIPMENT IN THE SAME LOCATION.
- INSTALL EXISTING 48 SMFO CABLE IN NEW CONDUITS.
- THE LOOP LEAD-IN CABLES FROM THE EXIT RAMP LOOPS GO DIRECTLY INTO THE HEAVY DUTY RAMP HANDHOLE, NOT THE JUNCTION BOX IN THE MEDIAN WALL.
- CONTACT IDOT DISTRICT 1 TSC FOR FIBER BACKBONE CABLE ASSIGNMENTS.



FILE NAME = D:\60L70-Sht-ITS-09.dgn



USER NAME = augeungh	DESIGNED - GWS	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JML	REVISED -
PLOT DATE = 11/19/2014	CHECKED - JDG	REVISED -
	DATE - 11/14/2014	REVISED -

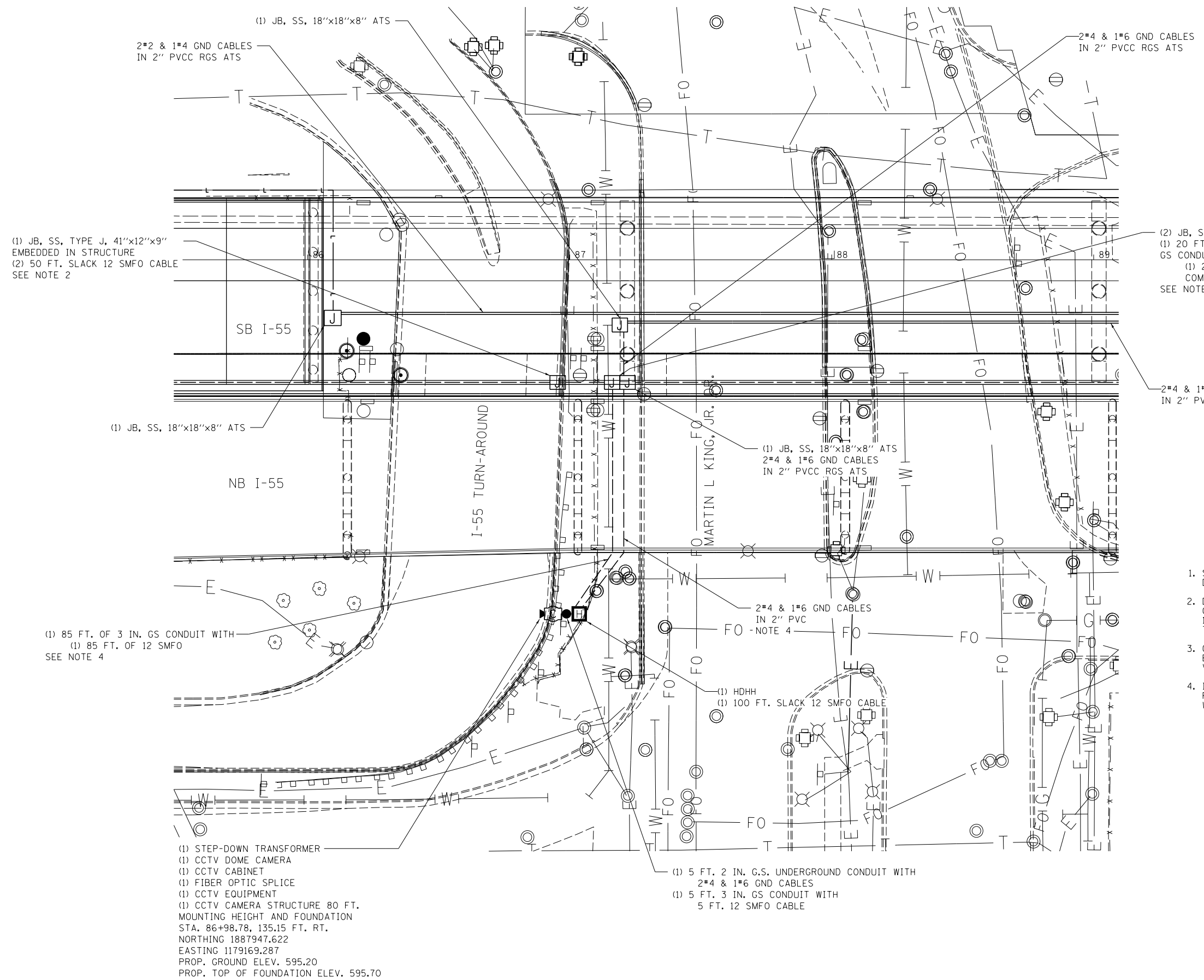
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS LOCATION DETAILS - DETAIL A

SCALE: 1"=20' SHEET NO. 9 OF 28 SHEETS STA. TO STA.

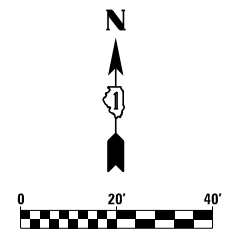
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	298
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

ITS-09



NOTES

1. SEE ITS CONDUIT ATTACHED TO PIER DETAIL DRAWING ITS-26.
2. DROP OUT 2-2" PVC CONDUITS FROM BOTTOM OF TYPE J JUNCTION BOX TO CONNECT TO THE 18"x18"x6" JB ATS. SEE CONDUIT ATTACHED TO PIER 1W DETAIL DRAWING ITS-26.
3. CONTRACTOR SHALL FULLY INTEGRATE CCTV EQUIPMENT TO BE INSTALLED WITH EXISTING VIDEO DISTRIBUTION SYSTEM.
4. INSTALL PROPOSED CONDUIT IN GRADE 5 FEET FROM FACE OF CURB TO AVOID CONFLICTS WITH FUTURE INBOUND PIER INSTALLATION.



(1) STEP-DOWN TRANSFORMER
 (1) CCTV DOME CAMERA
 (1) CCTV CABINET
 (1) FIBER OPTIC SPLICE
 (1) CCTV EQUIPMENT
 (1) CCTV CAMERA STRUCTURE 80 FT. MOUNTING HEIGHT AND FOUNDATION STA. 86+98.78, 135.15 FT. RT. NORTHING 1887947.622 EASTING 1179169.287 PROP. GROUND ELEV. 595.20 PROP. TOP OF FOUNDATION ELEV. 595.70

(1) JB, SS, TYPE J, 41"x12"x9"
 EMBEDDED IN STRUCTURE
 (2) 50 FT. SLACK 12 SMFO CABLE
 SEE NOTE 2

(2) JB, SS, 18"x18"x8" ATS
 (1) 20 FT. OF 2 IN. PVC COATED GS CONDUIT ATS WITH
 (1) 20 FT. OF 12 SMFO COMM. CABLE
 SEE NOTE 1

(1) JB, SS, 18"x18"x8" ATS
 2#4 & 1#6 GND CABLES
 IN 2" PVCC RGS ATS

(1) 85 FT. OF 3 IN. GS CONDUIT WITH
 (1) 85 FT. OF 12 SMFO
 SEE NOTE 4

(1) 5 FT. 2 IN. G.S. UNDERGROUND CONDUIT WITH
 2#4 & 1#6 GND CABLES
 (1) 5 FT. 3 IN. GS CONDUIT WITH
 5 FT. 12 SMFO CABLE

FILE NAME = D:\60L70-Sht-ITS-10.dgn



USER NAME = myersc
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 12/4/2014

DESIGNED - GWS
 DRAWN - JML
 CHECKED - JDG
 DATE - 12/5/2014

REVISED -
 REVISED -
 REVISED -
 REVISED -

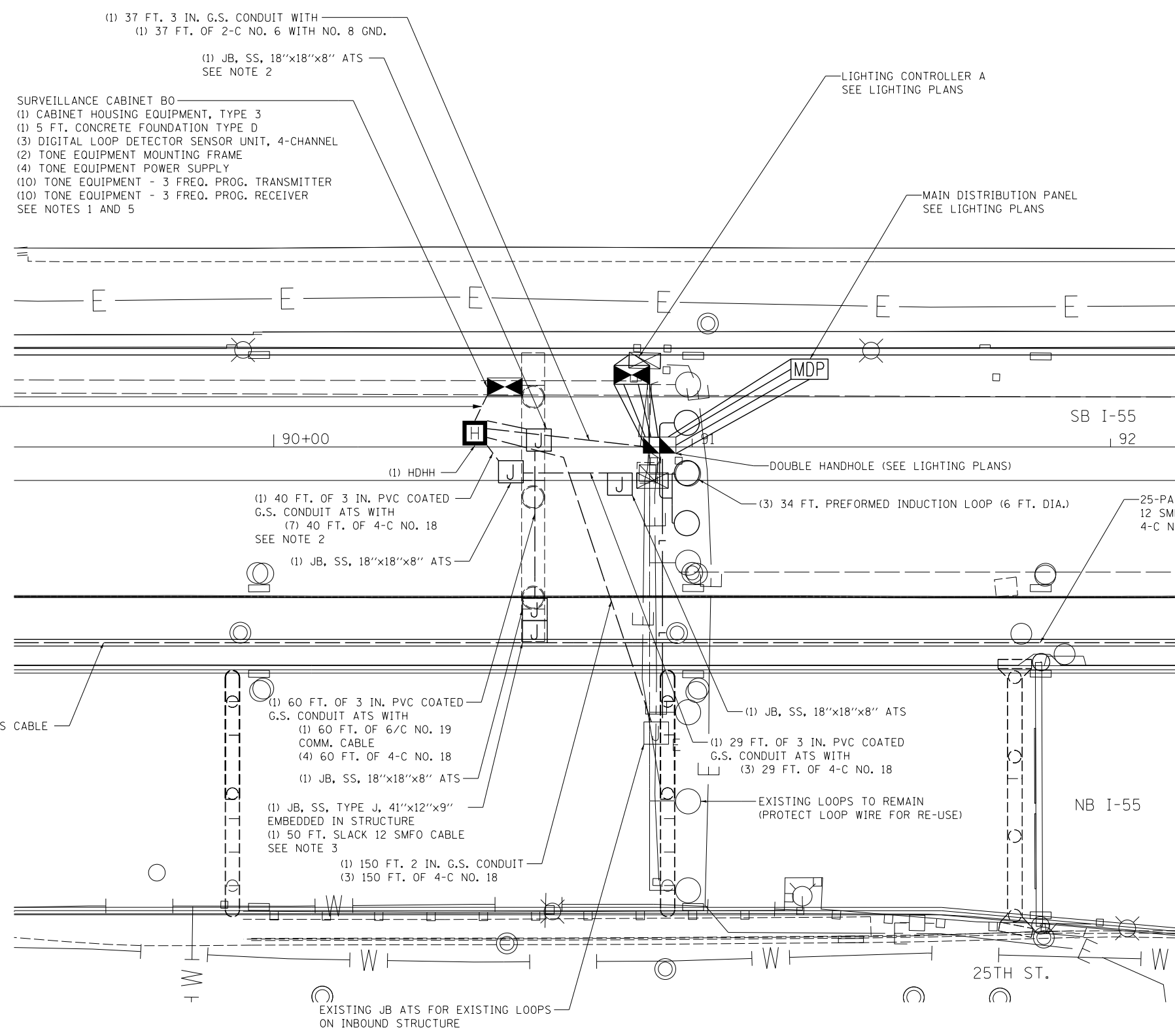
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ITS LOCATION DETAILS - DETAIL B

SCALE: 1"=20' SHEET NO. 10 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	299
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

ITS-10



- (1) 37 FT. 3 IN. G.S. CONDUIT WITH
- (1) 37 FT. OF 2-C NO. 6 WITH NO. 8 GND.
- (1) JB, SS, 18"x18"x8" ATS
- SEE NOTE 2
- SURVEILLANCE CABINET BO
- (1) CABINET HOUSING EQUIPMENT, TYPE 3
- (1) 5 FT. CONCRETE FOUNDATION TYPE D
- (3) DIGITAL LOOP DETECTOR SENSOR UNIT, 4-CHANNEL
- (2) TONE EQUIPMENT MOUNTING FRAME
- (4) TONE EQUIPMENT POWER SUPPLY
- (10) TONE EQUIPMENT - 3 FREQ. PROG. TRANSMITTER
- (10) TONE EQUIPMENT - 3 FREQ. PROG. RECEIVER
- SEE NOTES 1 AND 5
- (1) 5 FT. OF 4 IN. G.S. CONDUIT WITH
- (3) EX. LOOP LEAD-IN CABLES
- (1) 5 FT. OF 6-C NO. 19 COMM. CABLE
- (7) 5 FT. OF 4-C NO. 18
- (1) 5 FT. OF 2 IN. G.S. CONDUIT WITH
- (1) 5 FT. OF 2-C NO. 6 WITH NO. 8
- GROUND POWER CABLE
- (1) 5 FT. OF 1 IN. G.S. CONDUIT WITH
- (1) 5 FT. OF NO. 6 GROUND

25-PAIR NO. 19 COMMUNICATIONS CABLE
12 SMFO CABLE

(1) 40 FT. OF 3 IN. PVC COATED
G.S. CONDUIT ATS WITH

- (7) 40 FT. OF 4-C NO. 18

SEE NOTE 2

(1) JB, SS, 18"x18"x8" ATS

(1) 60 FT. OF 3 IN. PVC COATED
G.S. CONDUIT ATS WITH

- (1) 60 FT. OF 6/C NO. 19
- COMM. CABLE
- (4) 60 FT. OF 4-C NO. 18

(1) JB, SS, 18"x18"x8" ATS

(1) JB, SS, TYPE J, 41"x12"x9"
EMBEDDED IN STRUCTURE

- (1) 50 FT. SLACK 12 SMFO CABLE

SEE NOTE 3

(1) 150 FT. 2 IN. G.S. CONDUIT

- (3) 150 FT. OF 4-C NO. 18

(1) 29 FT. OF 3 IN. PVC COATED
G.S. CONDUIT ATS WITH

- (3) 29 FT. OF 4-C NO. 18

EXISTING LOOPS TO REMAIN
(PROTECT LOOP WIRE FOR RE-USE)

SB I-55

92

DOUBLE HANDHOLE (SEE LIGHTING PLANS)

(3) 34 FT. PREFORMED INDUCTION LOOP (6 FT. DIA.)

25-PAIR NO. 19 COMMUNICATIONS CABLE
12 SMFO CABLE
4-C NO. 18 LOOP LEAD-IN CABLE

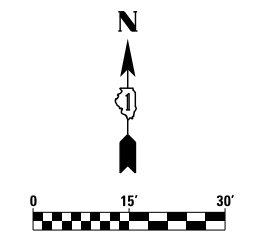
NB I-55

25TH ST.

EXISTING JB ATS FOR EXISTING LOOPS
ON INBOUND STRUCTURE

NOTES

1. INSTALL NEW FOUNDATION, ESP 3 CABINET AND SURVEILLANCE EQUIPMENT.
2. SEE ITS CONDUIT ATTACHED TO PIER DETAIL.
3. DROP OUT 2-2" PVC CONDUITS FROM BOTTOM OF TYPE J JUNCTION BOX TO CONNECT TO THE 18"x18"x6" JB ATS. SEE ITS CONDUIT EXPANSION DETAIL, SHEET ITS-28.
4. INSTALL NEW LOOP LEAD-IN CABLES FROM THE EXISTING JB ATS ON THE INBOUND STRUCTURE TO THE HH NEXT TO CABINET BO.
5. CABINET BO HAS EQUIPMENT FOR THE I-55 MAINLINE LOOPS (6 EACH) AND THE SPEED STATION ON RAMP SW NEAR STA. 100+15 (4 EACH).



FILE NAME = D:\60L70-Sht-ITS-11.dgn



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	DRAWN - JML	REVISED -
PLOT SCALE = 15.0000' / in.	CHECKED - JDG	REVISED -
PLOT DATE = 11/19/2014	DATE - 11/14/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS LOCATION DETAILS - DETAIL C	
SCALE: 1"=15'	SHEET NO. 11 OF 28 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	300
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

ITS-11