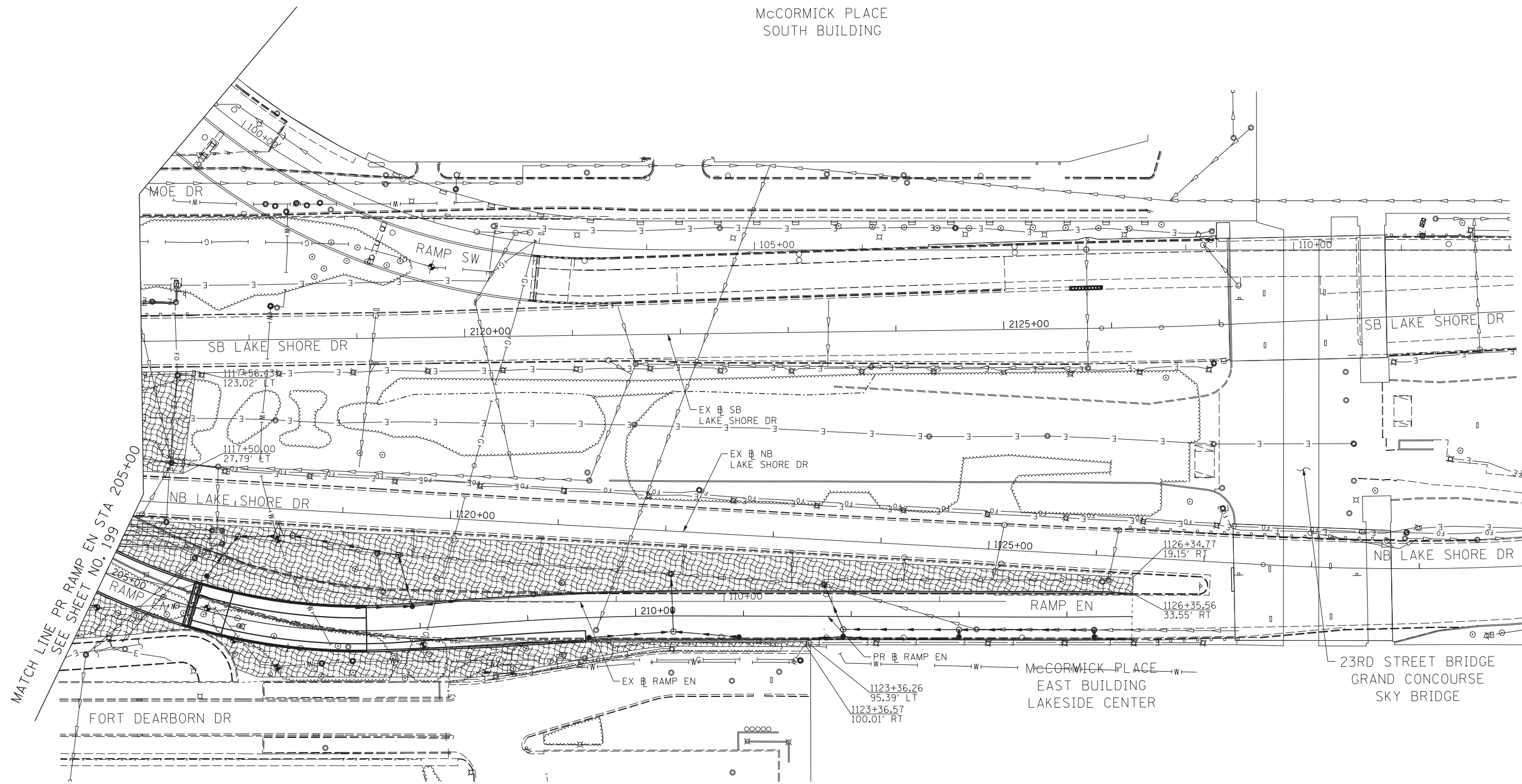


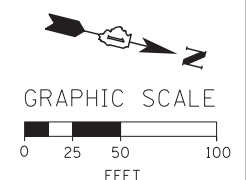
McCORMICK PLACE
SOUTH BUILDING



MATCH LINE PR RAMP EN STA 205+00
SEE SHEET NO. 199

PERMANENT EROSION CONTROL LEGEND

- EROSION CONTROL BLANKET
SEEDING, CLASS 2A
TOPSOIL FURNISH AND PLACE, 6"
NITROGEN FERTILIZER NUTRIENT
POTASSIUM FERTILIZER NUTRIENT
- LIMITS OF CONSTRUCTION



FILE NAME = D:\60X07-Sht-ESC-Perm-04.dgn



USER NAME = ouyeungh	DESIGNED - CRH	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - NSA	REVISED -
PLOT DATE = 5/22/2015	CHECKED - MJE	REVISED -
	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PERMANENT EROSION AND SEDIMENTATION CONTROL PLAN
SCALE: 1" = 50' SHEET NO. 4 OF 4 SHEETS STA. 205+00 TO STA. 214+61

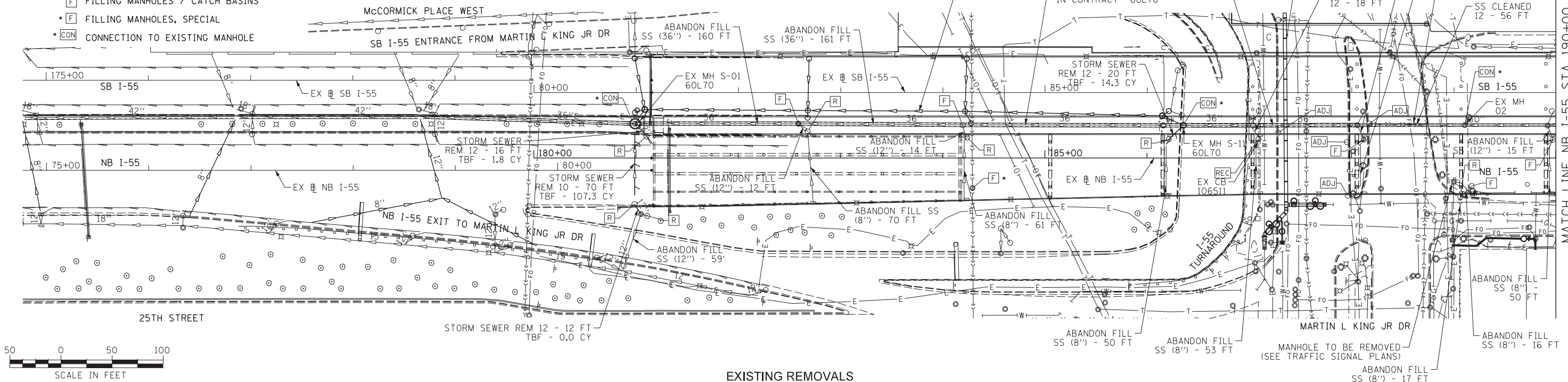
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	201
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

LEGEND:

- STORM SEWER REMOVAL
- STORM SEWER CONSTRUCTED IN CONTRACT #60L70
- MANHOLES / CATCH BASINS TO BE ADJUSTED
- MANHOLES / CATCH BASINS TO BE RECONSTRUCTED
- REMOVING MANHOLES / CATCH BASINS
- FILLING MANHOLES / CATCH BASINS
- FILLING MANHOLES, SPECIAL
- CONNECTION TO EXISTING MANHOLE

NOTES:

1. DRAINAGE SCUPPERS AND INLETS ON STRUCTURE TO BE REMOVED WILL BE INCLUDED IN THE COST OF REMOVAL OF EXISTING STRUCTURES, NO. 1, REMOVAL OF EXISTING STRUCTURES, NO. 2, AND REMOVAL OF EXISTING STRUCTURES, NO. 3, AS NOTED IN THE SPECIFICATIONS. SCUPPER DOWNSPOUT PIPES TO BE REMOVED TO PROPOSED FINISHED GRADE.
2. TELEVISION INSPECTION OF SEWERS TO BE PERFORMED BEFORE AND AFTER CONSTRUCTION.
3. EXISTING 36" DIA. STORM SEWER TO BE ABANDONED AND FILLED UPON COMPLETION OF PROPOSED MAINLINE SEWER.



EXISTING REMOVALS

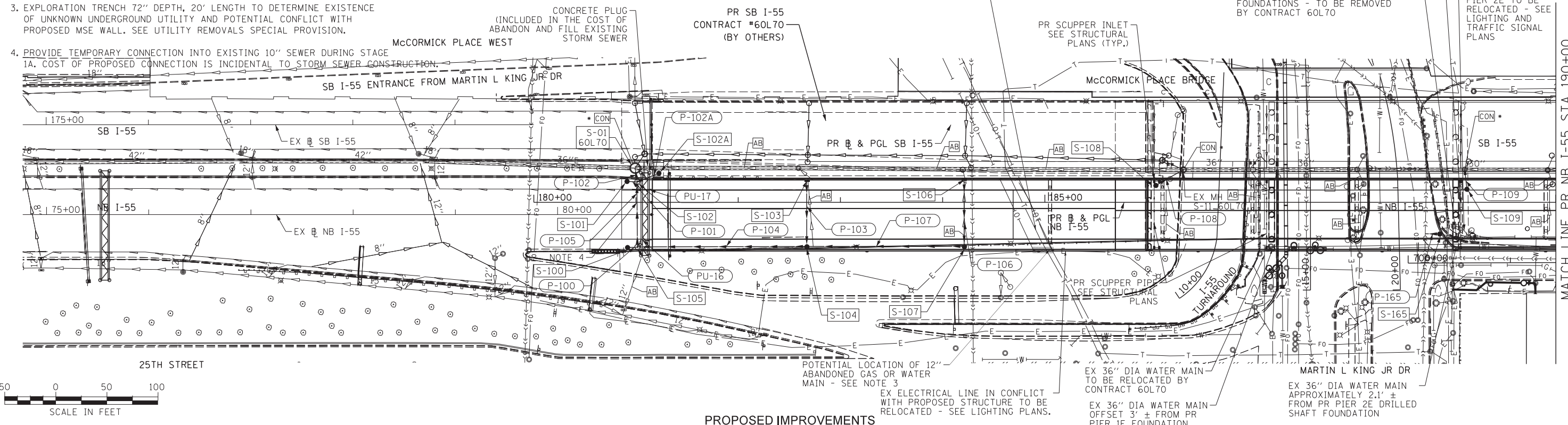
NOTES:

1. REFER TO STRUCTURAL PLANS FOR MORE DETAILS ON SCUPPER TYPE, SPACING AND LOCATION.
2. REFER TO DRAINAGE SYSTEM DETAILS (SHEET NO.718) FOR SCUPPER DRAINAGE STRUCTURAL TIE IN.
3. EXPLORATION TRENCH 72" DEPTH, 20' LENGTH TO DETERMINE EXISTENCE OF UNKNOWN UNDERGROUND UTILITY AND POTENTIAL CONFLICT WITH PROPOSED MSE WALL. SEE UTILITY REMOVALS SPECIAL PROVISION.
4. PROVIDE TEMPORARY CONNECTION INTO EXISTING 10" SEWER DURING STAGE 1A. COST OF PROPOSED CONNECTION IS INCIDENTAL TO STORM SEWER CONSTRUCTION.

LEGEND:

- STORM SEWER TO BE ABANDONED AND FILLED

EX AT&T DUCTS AND MH LOCATED BELOW PR RETAINED EARTH APPROACH STRUCTURE - MH TO BE REMOVED BY OTHERS



PROPOSED IMPROVEMENTS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE & UTILITY PLAN
NB I-55**

SCALE: 1" = 50' SHEET NO. 1 OF 5 SHEETS STA. 180+86 TO STA. 190+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	202
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\60X07-Sht-Drain.dgn

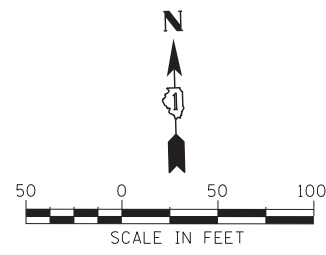
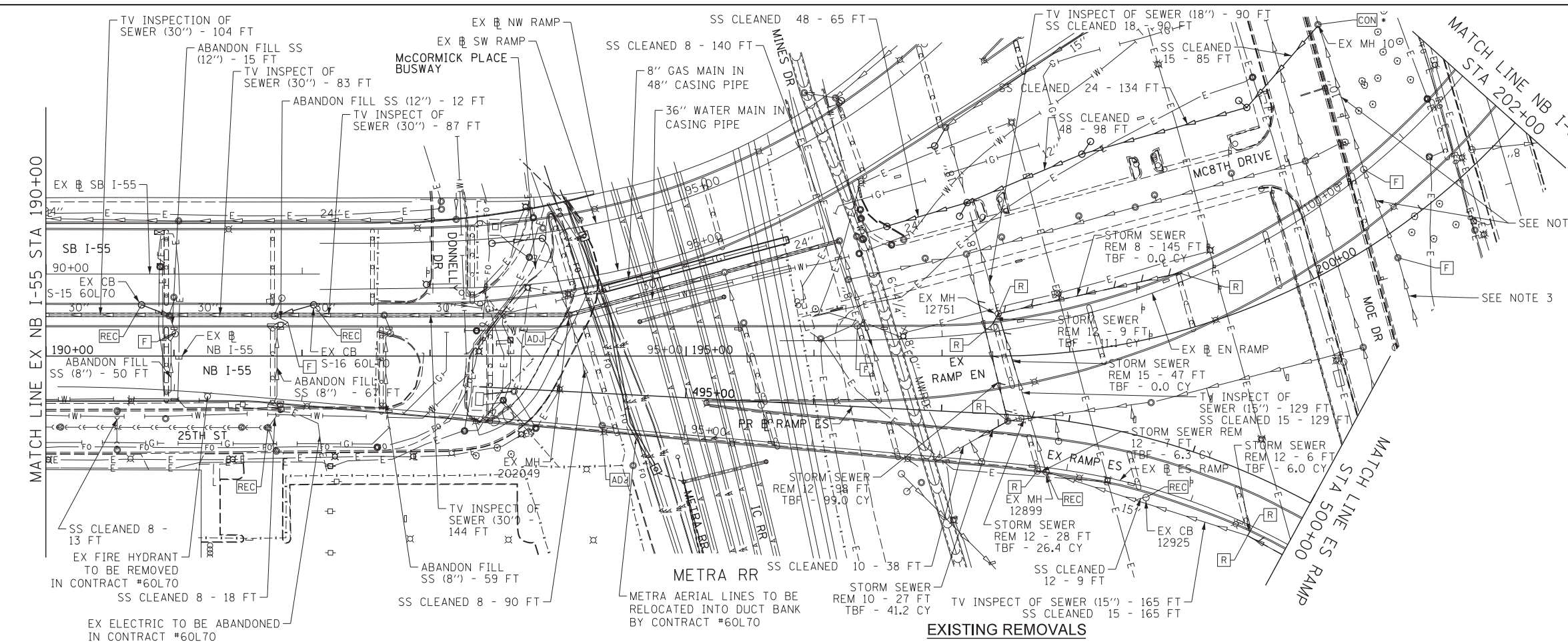


USER NAME = augeungh
DESIGNED - NSA
DRAWN - NSA
CHECKED - EY
DATE - 5/26/2015

REVISOR -
REVISION -
REVISION -
REVISION -

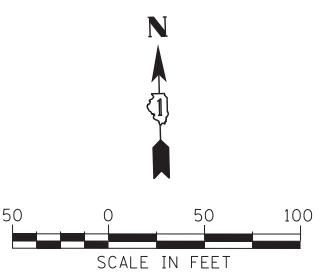
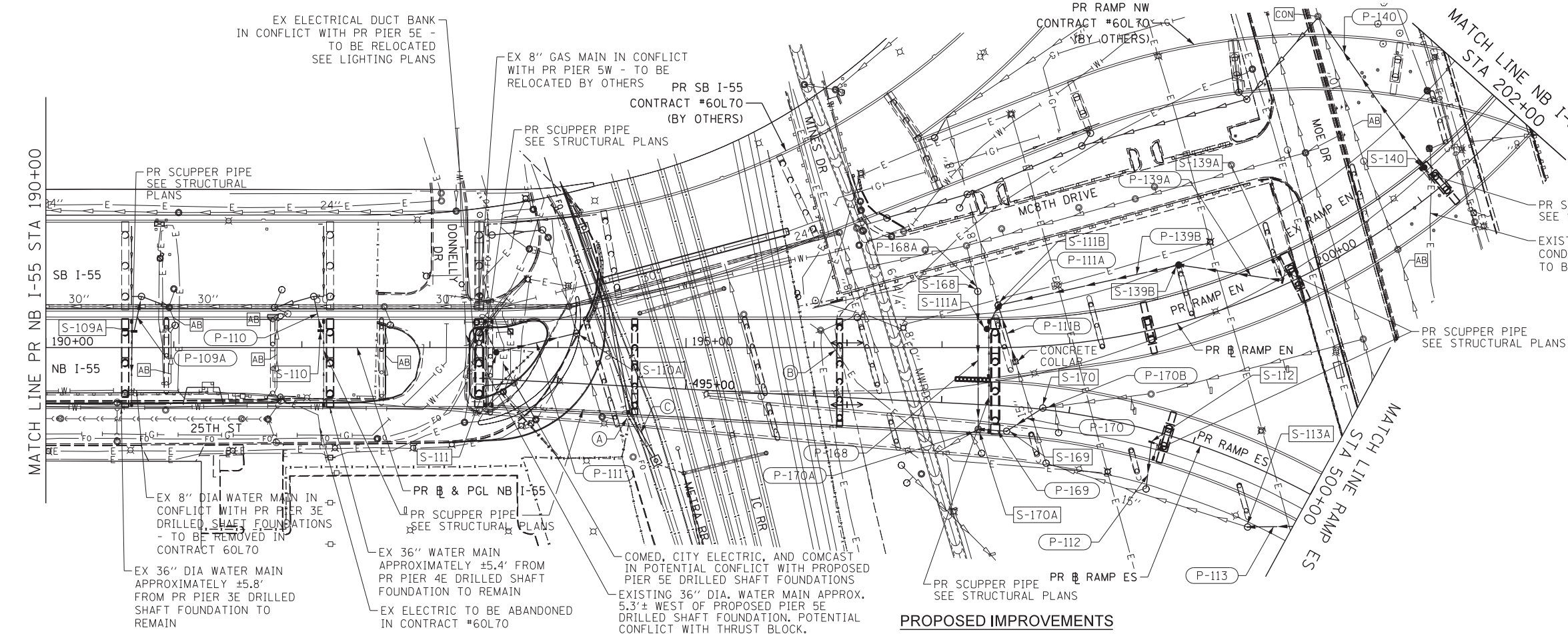
REVISION -
REVISION -
REVISION -
REVISION -

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



- NOTES**
1. DRAINAGE SCUPPERS AND INLETS ON STRUCTURE TO BE REMOVED WILL BE INCLUDED IN THE COST OF REMOVAL OF EXISTING STRUCTURES, NO. 1, REMOVAL OF EXISTING STRUCTURES, NO. 2, AND REMOVAL OF EXISTING STRUCTURES, NO. 3, AS NOTED IN THE SPECIFICATIONS. SCUPPER DOWNSPOUT PIPES TO BE REMOVED TO PROPOSED FINISHED GRADE.
 2. TELEVISION INSPECTION OF SEWERS TO BE PERFORMED BEFORE AND AFTER CONSTRUCTION.
 3. PER FIELD INVESTIGATION, IT WAS ASSUMED PIPES WERE FILLED IN A PREVIOUS CONTRACT.

- LEGEND:**
- STORM SEWER REMOVAL
 - STORM SEWER CONSTRUCTED IN CONTRACT #60L70
 - ADJ MANHOLES / CATCH BASINS TO BE ADJUSTED
 - REC MANHOLES / CATCH BASINS TO BE RECONSTRUCTED
 - R REMOVING MANHOLES / CATCH BASINS
 - F FILLING MANHOLES / CATCH BASINS
 - F FILLING MANHOLES, SPECIAL
 - CON CONNECTION TO EXISTING MANHOLE



- LEGEND:**
- A EXISTING QWEST FIBER OPTIC LINES ADJACENT TO PROPOSED PIER 6E DRILLED SHAFT FOUNDATION.
 - B EXISTING ELECTRIC LINES IN CONFLICT WITH PROPOSED PIER 7E TO BE RELOCATED (SEE LIGHTING PLANS).
 - C EXISTING METRA FEEDERS TO BE RELOCATED THROUGH PROPOSED METRA DUCT BANK IN CONTRACT #60L70

- LEGEND:**
- AB STORM SEWER TO BE ABANDONED AND FILLED

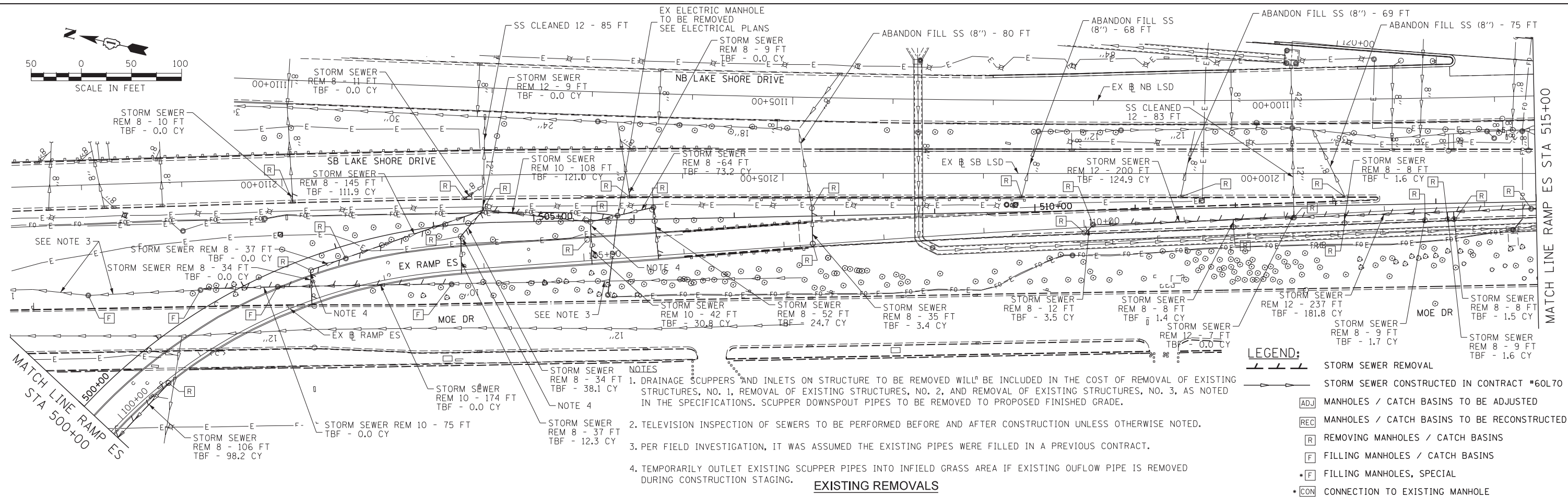
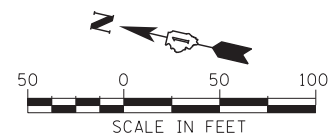


USER NAME = augeungh	DESIGNED - NSA	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - NSA	REVISED -
PLOT DATE = 5/22/2015	CHECKED - EY	REVISED -
	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE & UTILITY PLAN			
NB I-55			
SCALE: 1" = 50'	SHEET NO. 2 OF 5 SHEETS	STA. 190+00	TO STA. 500+00

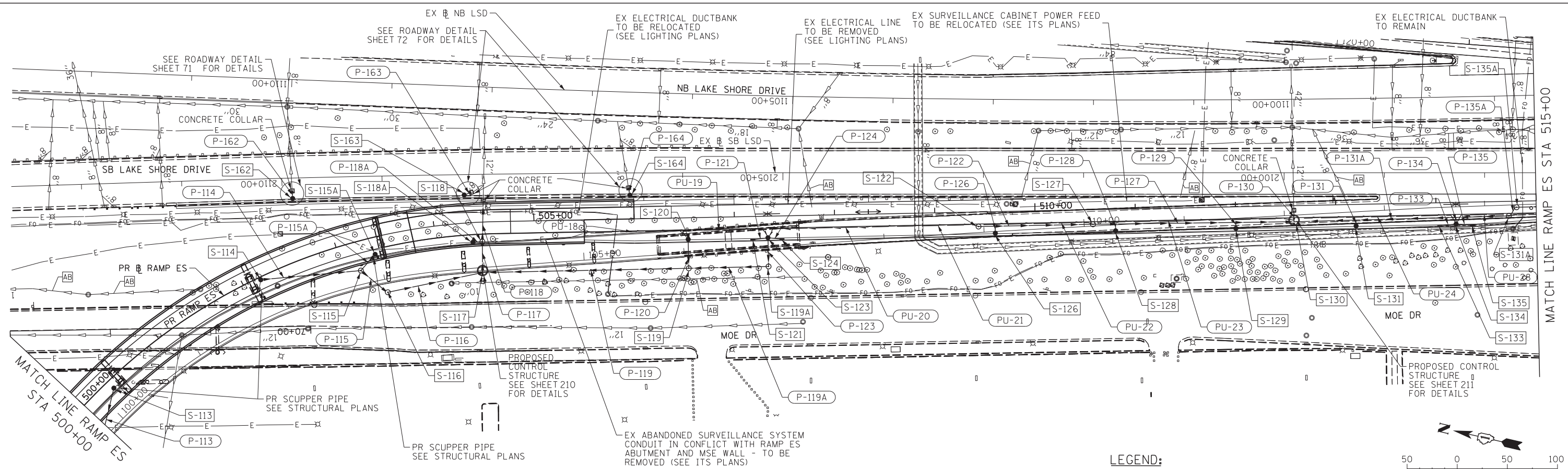
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	203
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



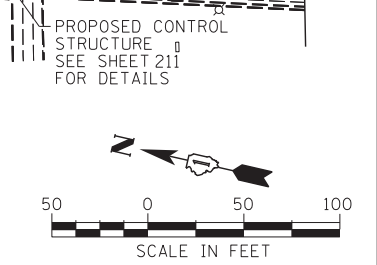
- NOTES**
1. DRAINAGE SCUPPERS AND INLETS ON STRUCTURE TO BE REMOVED WILL BE INCLUDED IN THE COST OF REMOVAL OF EXISTING STRUCTURES, NO. 1, REMOVAL OF EXISTING STRUCTURES, NO. 2, AND REMOVAL OF EXISTING STRUCTURES, NO. 3, AS NOTED IN THE SPECIFICATIONS. SCUPPER DOWNSPOUT PIPES TO BE REMOVED TO PROPOSED FINISHED GRADE.
 2. TELEVISION INSPECTION OF SEWERS TO BE PERFORMED BEFORE AND AFTER CONSTRUCTION UNLESS OTHERWISE NOTED.
 3. PER FIELD INVESTIGATION, IT WAS ASSUMED THE EXISTING PIPES WERE FILLED IN A PREVIOUS CONTRACT.
 4. TEMPORARILY OUTLET EXISTING SCUPPER PIPES INTO INFIELD GRASS AREA IF EXISTING OUFLOW PIPE IS REMOVED DURING CONSTRUCTION STAGING.

- LEGEND:**
- STORM SEWER REMOVAL
 - STORM SEWER CONSTRUCTED IN CONTRACT #60L70
 - ADJ MANHOLES / CATCH BASINS TO BE ADJUSTED
 - REC MANHOLES / CATCH BASINS TO BE RECONSTRUCTED
 - R REMOVING MANHOLES / CATCH BASINS
 - F FILLING MANHOLES / CATCH BASINS
 - F FILLING MANHOLES, SPECIAL
 - CON CONNECTION TO EXISTING MANHOLE

EXISTING REMOVALS



PROPOSED CONTROL STRUCTURE SEE SHEET 210 FOR DETAILS



- LEGEND:**
- AB STORM SEWER TO BE ABANDONED AND FILLED

PROPOSED IMPROVEMENTS

FILE NAME = D:\60X07-Sht-D-ramp03.dgn



USER NAME = augeungh	DESIGNED - NSA	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - NSA	REVISED -
PLOT DATE = 5/22/2015	CHECKED - EY	REVISED -
	DATE = 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE & UTILITY PLAN
RAMP ES**

SCALE: 1" = 50' SHEET NO. 3 OF 5 SHEETS STA. 500+00 TO STA. 515+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	204
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

NOTES

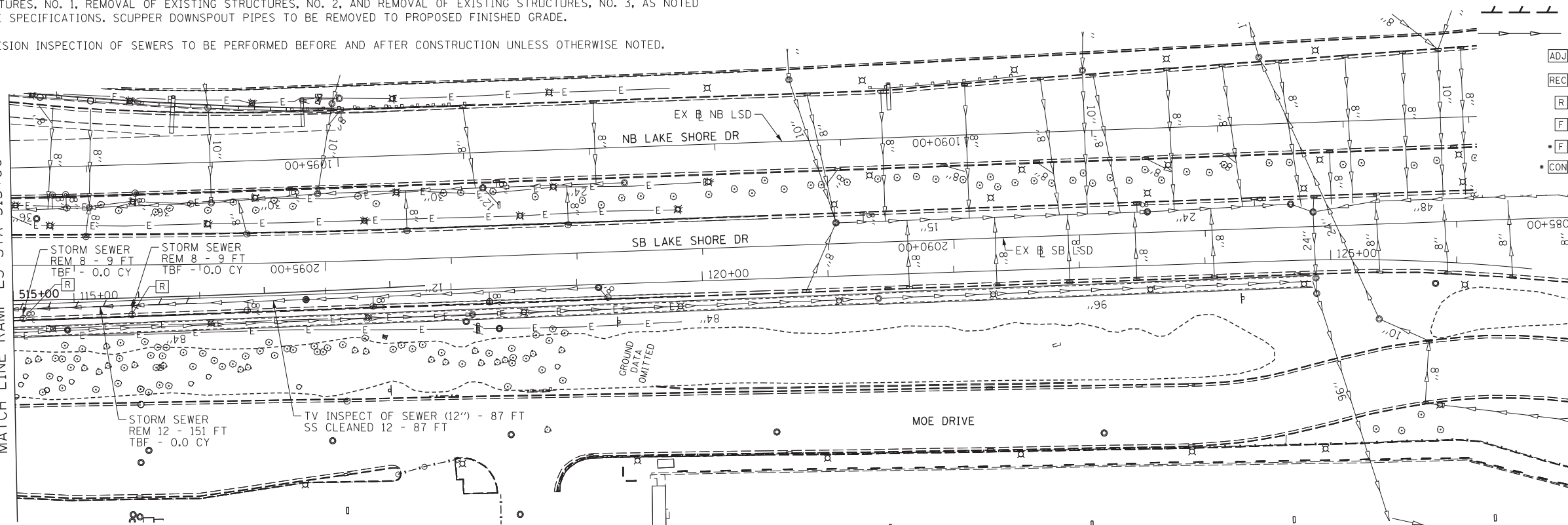
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2. TELEVISION INSPECTION OF SEWERS TO BE PERFORMED BEFORE AND AFTER CONSTRUCTION UNLESS OTHERWISE NOTED.

LEGEND:

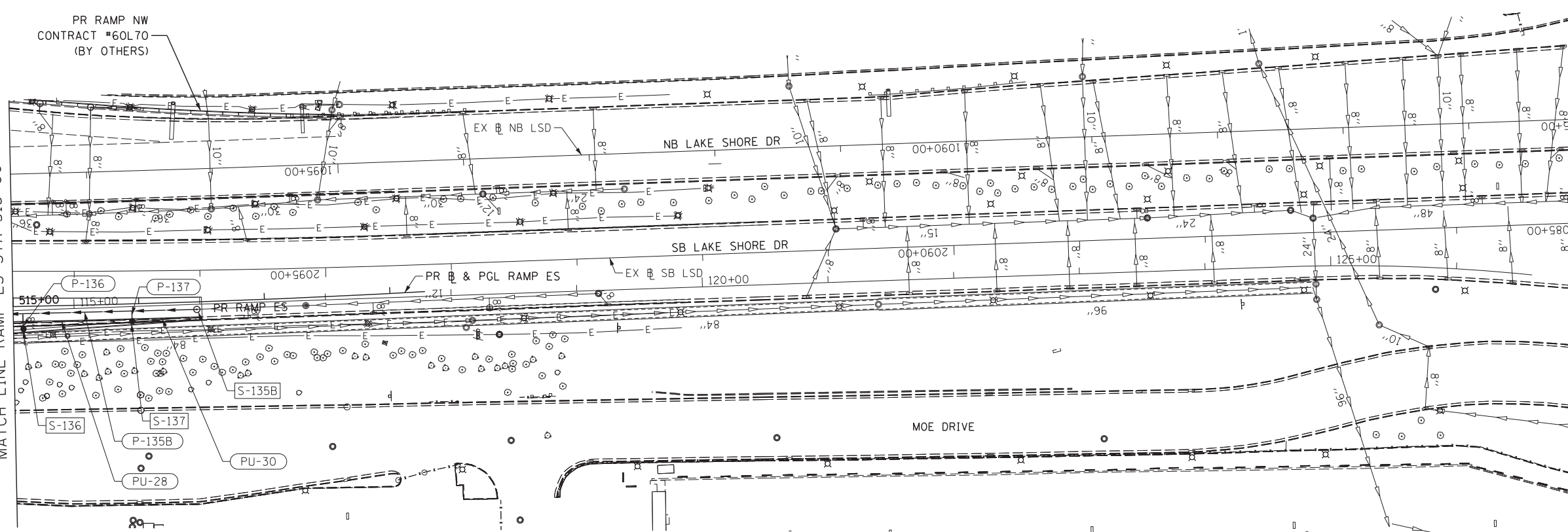
- STORM SEWER REMOVAL
- STORM SEWER CONSTRUCTED IN CONTRACT #60L70
- MANHOLES / CATCH BASINS TO BE ADJUSTED
- MANHOLES / CATCH BASINS TO BE RECONSTRUCTED
- REMOVING MANHOLES / CATCH BASINS
- FILLING MANHOLES / CATCH BASINS
- FILLING MANHOLES, SPECIAL
- CONNECTION TO EXISTING MANHOLE

MATCH LINE RAMP ES STA 515+00



EXISTING REMOVALS

MATCH LINE RAMP ES STA 515+00



PROPOSED IMPROVEMENTS

LEGEND:

- STORM SEWER TO BE ABANDONED AND FILLED

FILE NAME = D:\60X07-5ht-Drain04.dgn



USER NAME = augeungh	DESIGNED - NSA	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - NSA	REVISED -
PLOT DATE = 5/22/2015	CHECKED - EEE	REVISED -
	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE & UTILITY PLAN
RAMP ES

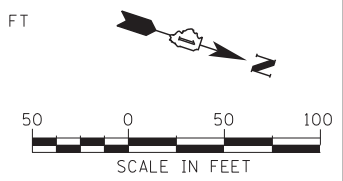
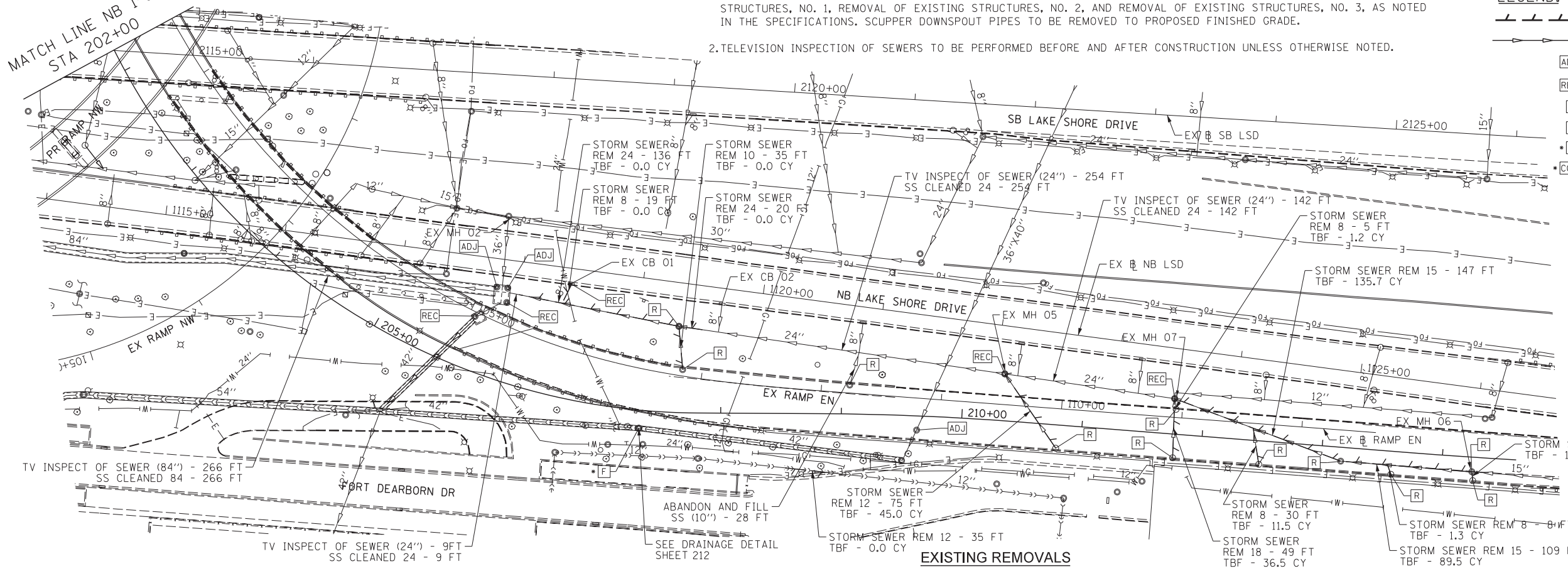
SCALE: 1" = 50' SHEET NO. 4 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	205
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

MATCH LINE NB I-55
STA 202+00

NOTES
 1. DRAINAGE SCUPPERS AND INLETS ON STRUCTURE TO BE REMOVED WILL BE INCLUDED IN THE COST OF REMOVAL OF EXISTING STRUCTURES, NO. 1, REMOVAL OF EXISTING STRUCTURES, NO. 2, AND REMOVAL OF EXISTING STRUCTURES, NO. 3, AS NOTED IN THE SPECIFICATIONS. SCUPPER DOWNSPOUT PIPES TO BE REMOVED TO PROPOSED FINISHED GRADE.
 2. TELEVISION INSPECTION OF SEWERS TO BE PERFORMED BEFORE AND AFTER CONSTRUCTION UNLESS OTHERWISE NOTED.

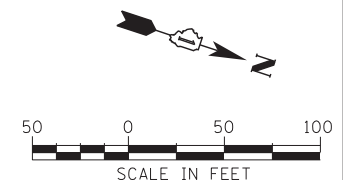
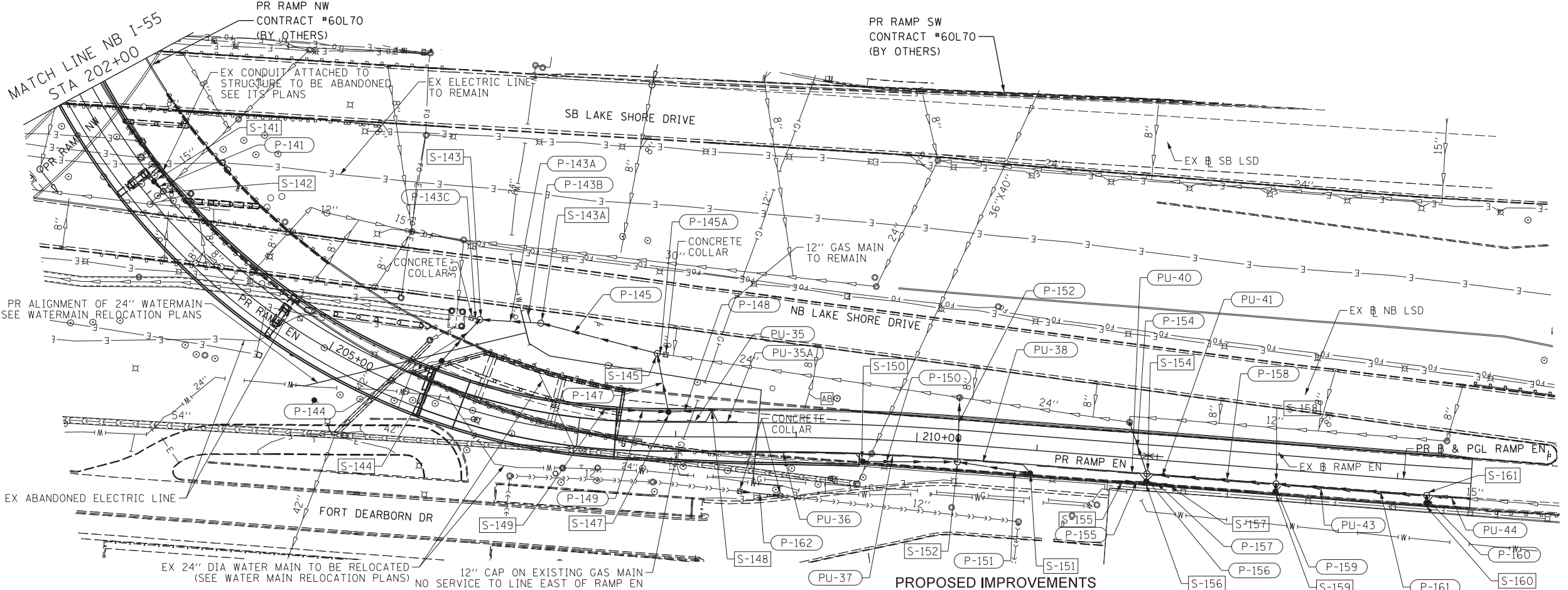
- LEGEND:**
- STORM SEWER REMOVAL
 - STORM SEWER CONSTRUCTED IN CONTRACT #60L70
 - MANHOLES / CATCH BASINS TO BE ADJUSTED
 - MANHOLES / CATCH BASINS TO BE RECONSTRUCTED
 - REMOVING MANHOLES / CATCH BASINS
 - FILLING MANHOLES / CATCH BASINS
 - FILLING MANHOLES, SPECIAL
 - CONNECTION TO EXISTING MANHOLE



EXISTING REMOVALS

MATCH LINE NB I-55
STA 202+00

- LEGEND:**
- STORM SEWER TO BE ABANDONED AND FILLED



PROPOSED IMPROVEMENTS



USER NAME = augeungh	DESIGNED - NSA	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - NSA	REVISED -
PLOT DATE = 5/22/2015	CHECKED - EY	REVISED -
	DATE - 5/26/2015	REVISED -

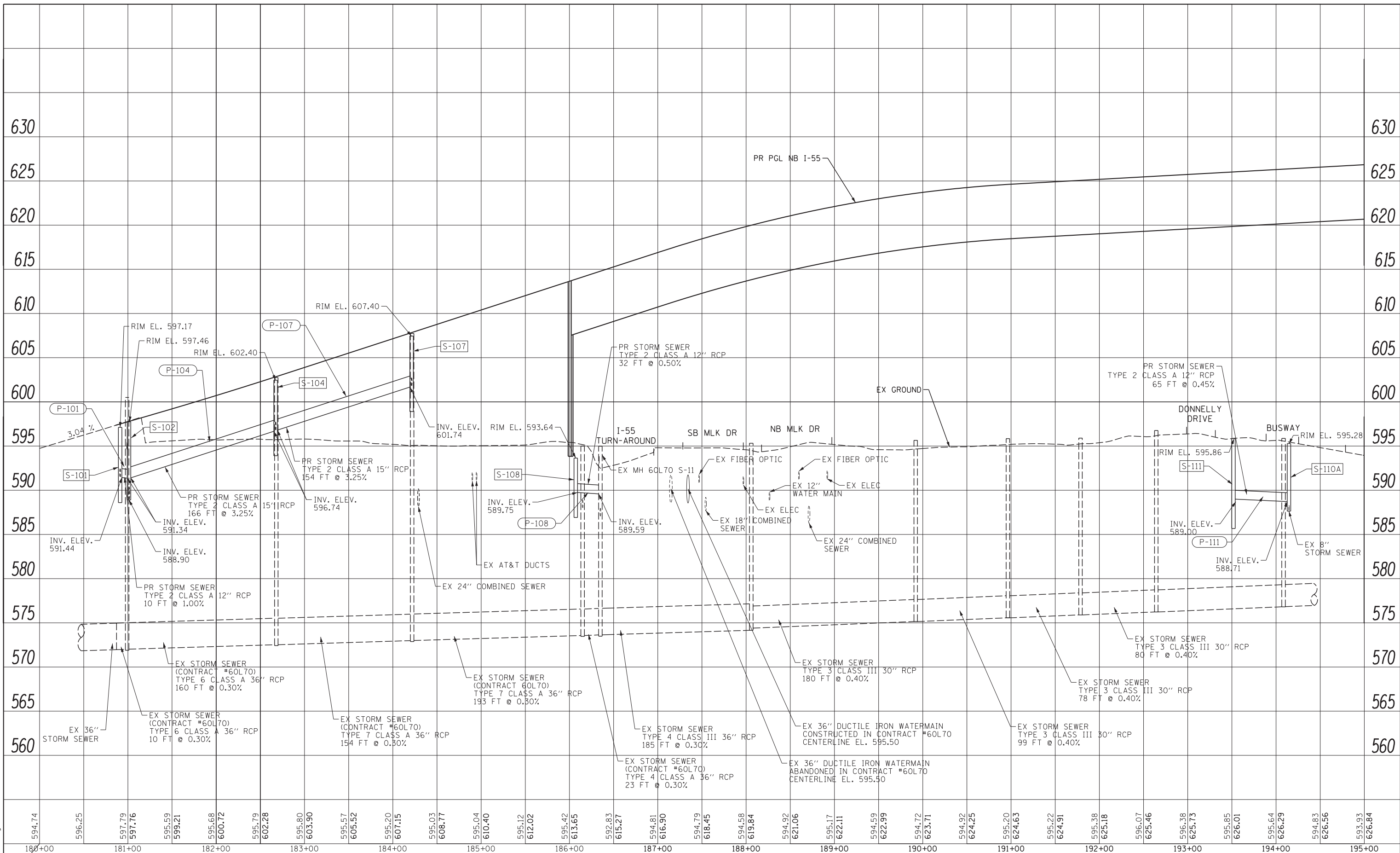
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE & UTILITY PLAN	
RAMP EN	
SCALE: 1" = 50'	SHEET NO. 5 OF 5 SHEETS
STA.	TO STA.

F.A.I. RTE. 55	SECTION 2013-049B	COUNTY COOK	TOTAL SHEETS 888	SHEET NO. 206
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	STRUCTURE NOTATIONS OK'D	
	NO.	



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CHECKED - EEE	REVISED -
DATE - 5/26/2015	REVISED -

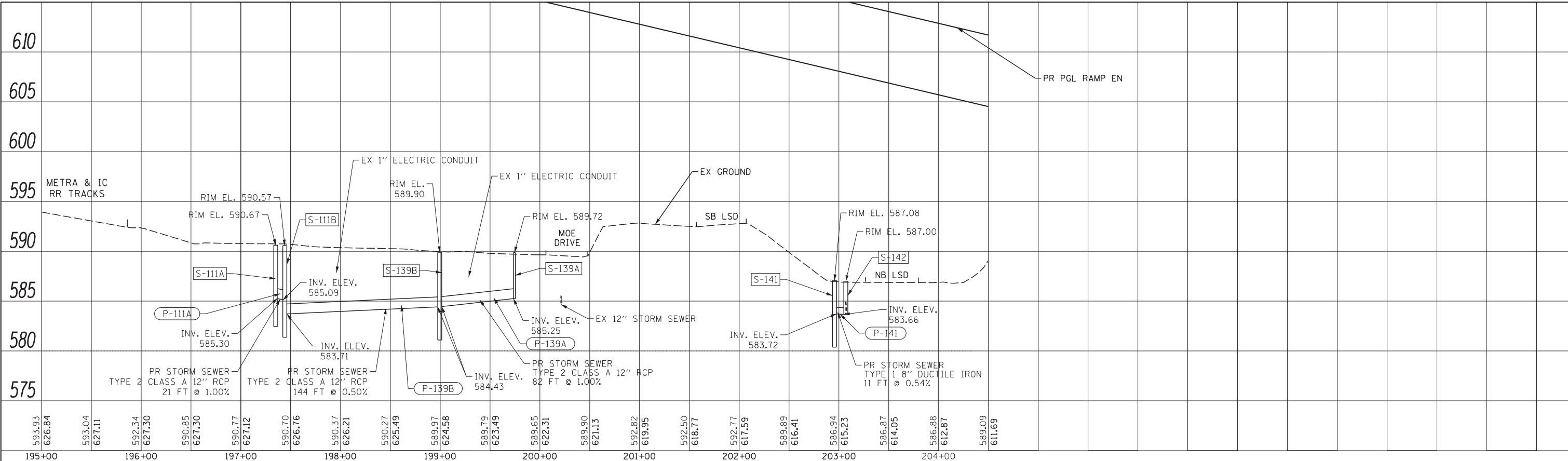
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PROFILE
 NB I-55

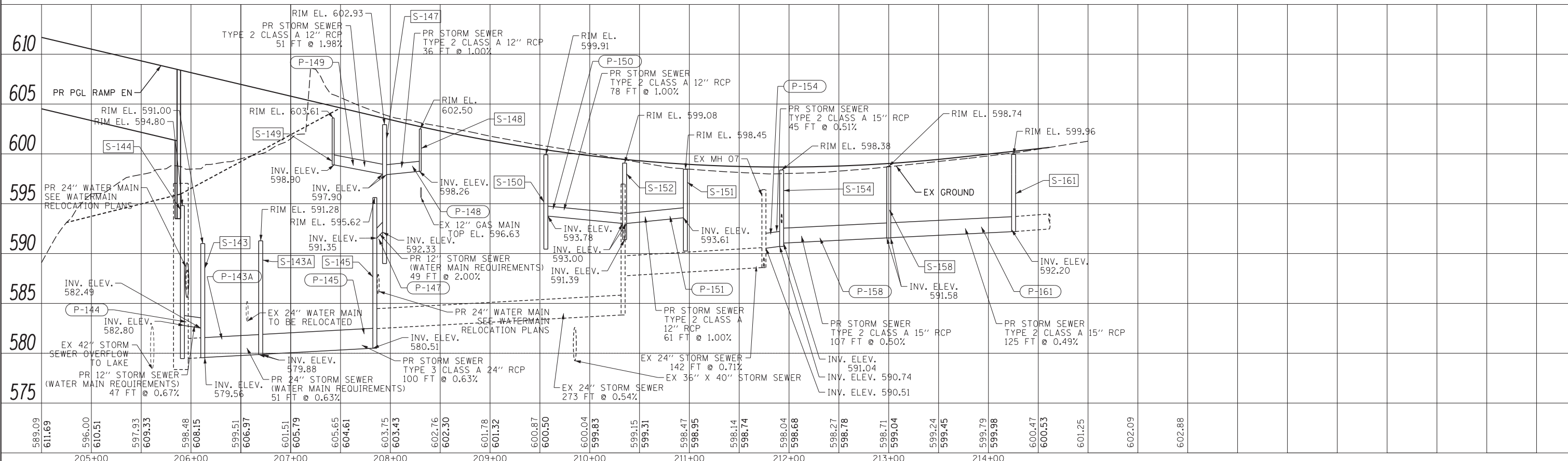
SCALE: 1" = 50' SHEET NO. 1 OF 3 SHEETS STA. 180+86.00 TO STA. 195+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	207
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILE NAME	
	NO.	



PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO.	



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 PLOT DATE = 5/22/2015

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 DRAWN - NSA
 CHECKED - EEE
 DATE - 5/26/2015

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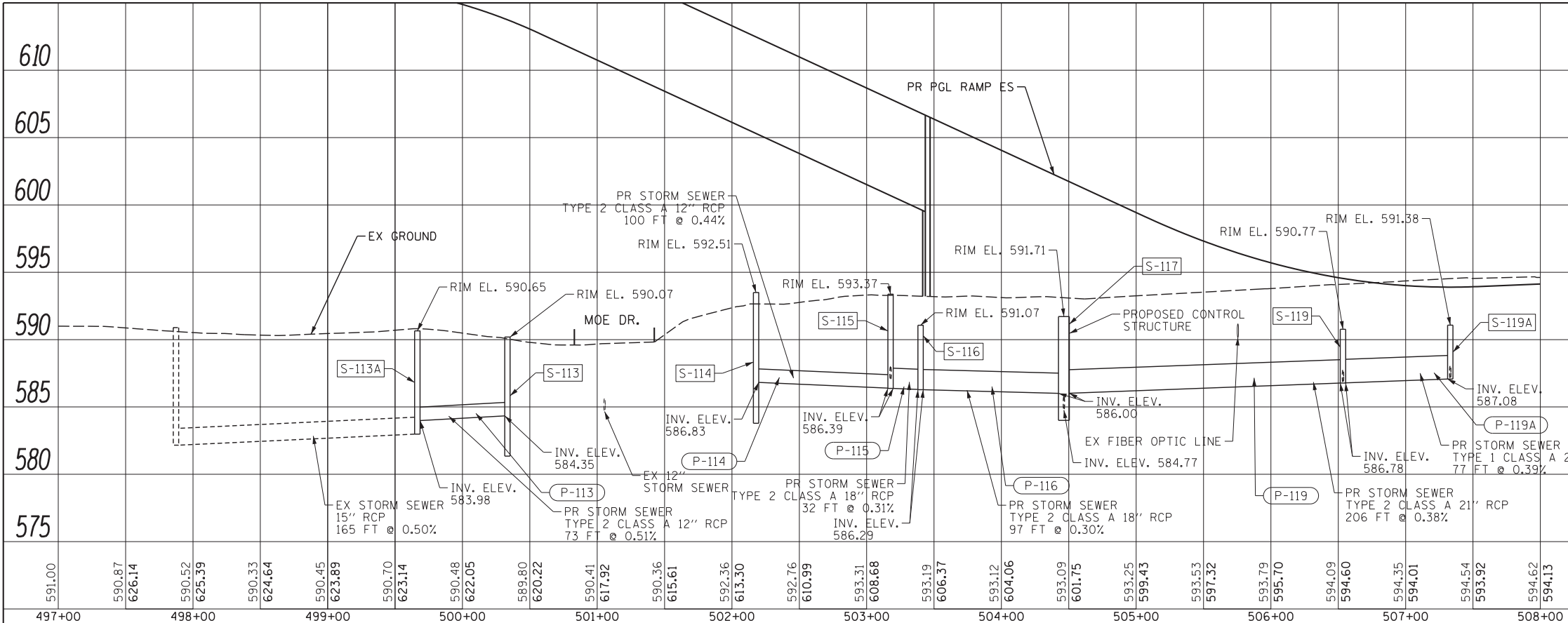
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PROFILE
 RAMP EN

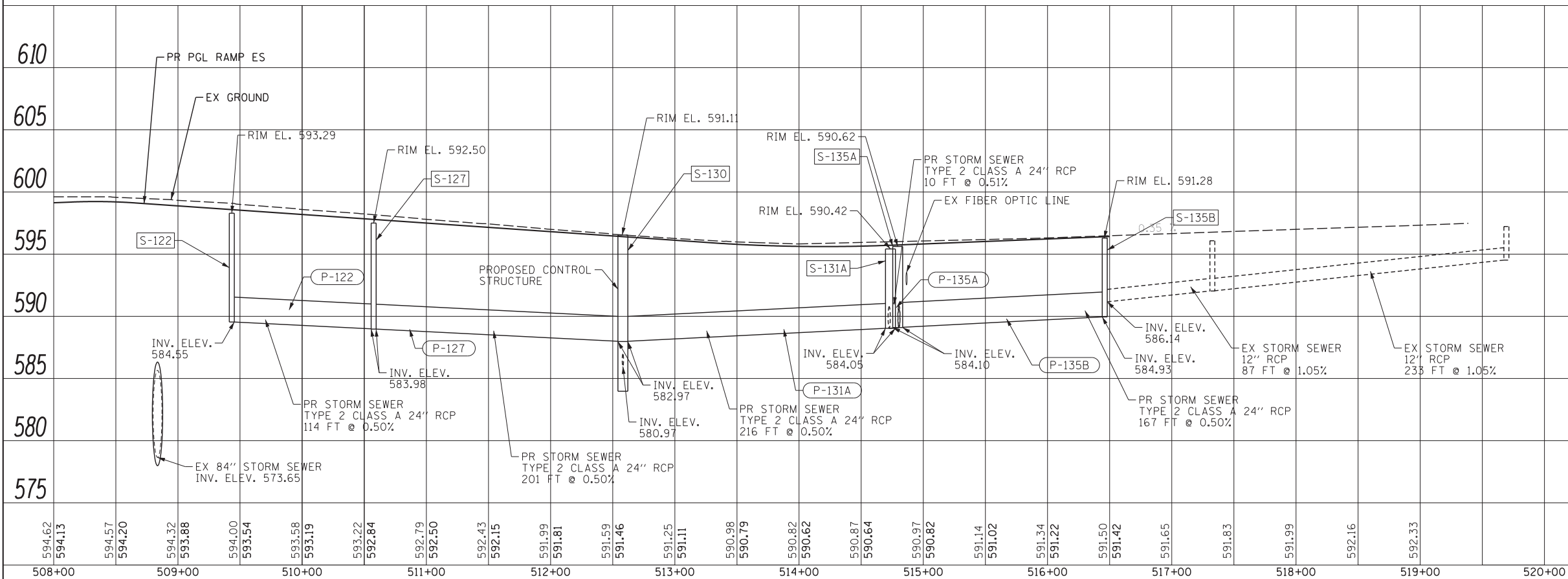
SCALE: 1" = 50' SHEET NO. 2 OF 3 SHEETS STA. 195+00.00 TO STA. 212+71.80

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	208
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NOTE BOOK NO.	
	CADD FILE NAME	



PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NOTE BOOK NO.	
	CADD FILE NAME	



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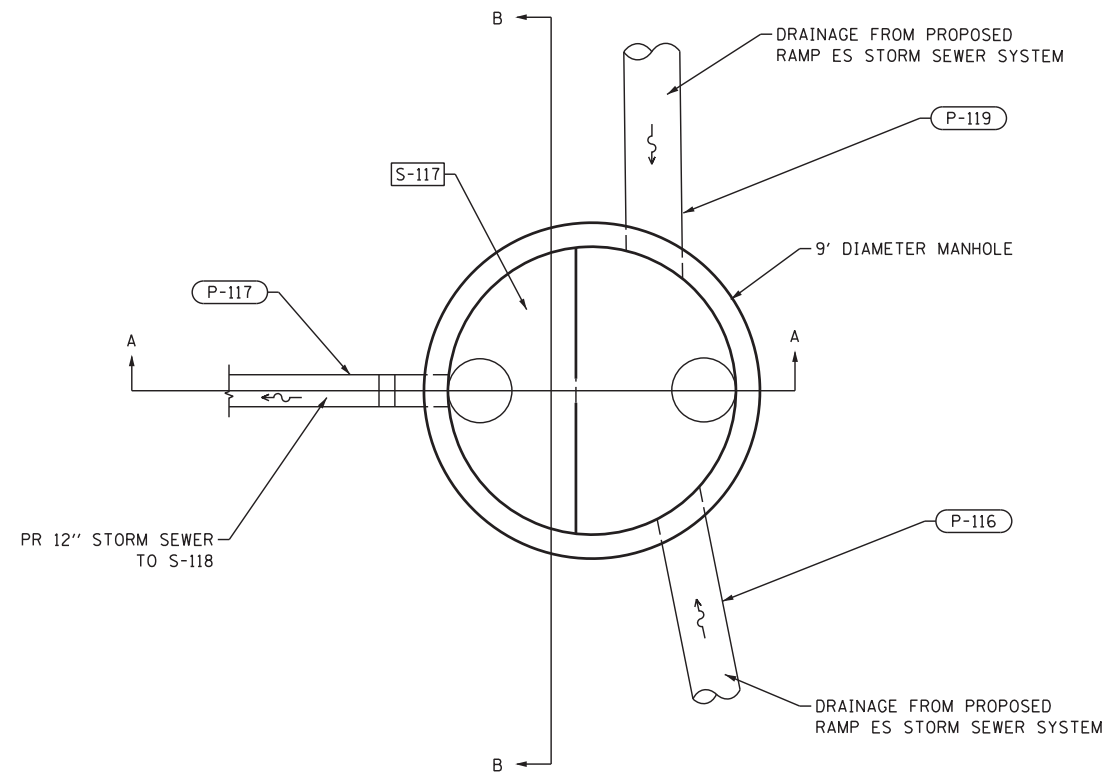
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

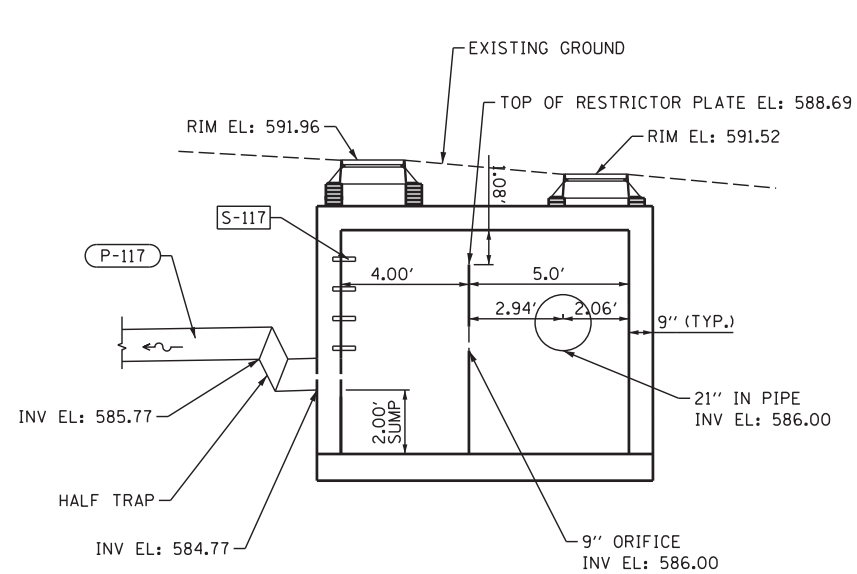
DRAINAGE PROFILE
 RAMP ES

SCALE: 1" = 50' SHEET NO. 3 OF 3 SHEETS STA. 497+42.05 TO STA. 518+27.86

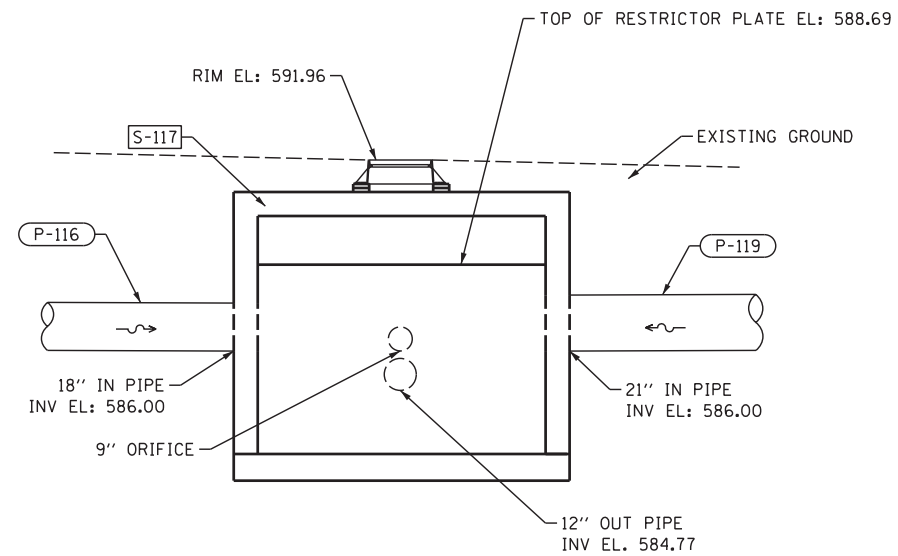
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	209
				CONTRACT NO. 60X07
ILLINOIS FED. AID PROJECT				



CONTROL STRUCTURE S-117
MANHOLES, TYPE A, 9'-DIAMETER, WITH 2 TYPE 1
FRAMES, CLOSED LID, RESTRICTOR PLATE
PLAN VIEW



CONTROL STRUCTURE S-117
MANHOLES, TYPE A, 9'-DIAMETER, WITH 2 TYPE 1
FRAMES, CLOSED LID, RESTRICTOR PLATE
SECTION A-A



CONTROL STRUCTURE S-117
MANHOLES, TYPE A, 9'-DIAMETER, WITH 2 TYPE 1
FRAMES, CLOSED LID, RESTRICTOR PLATE
SECTION B-B

FILE NAME = D:\60X07-Sht-C-Draw-Details\01.dgn



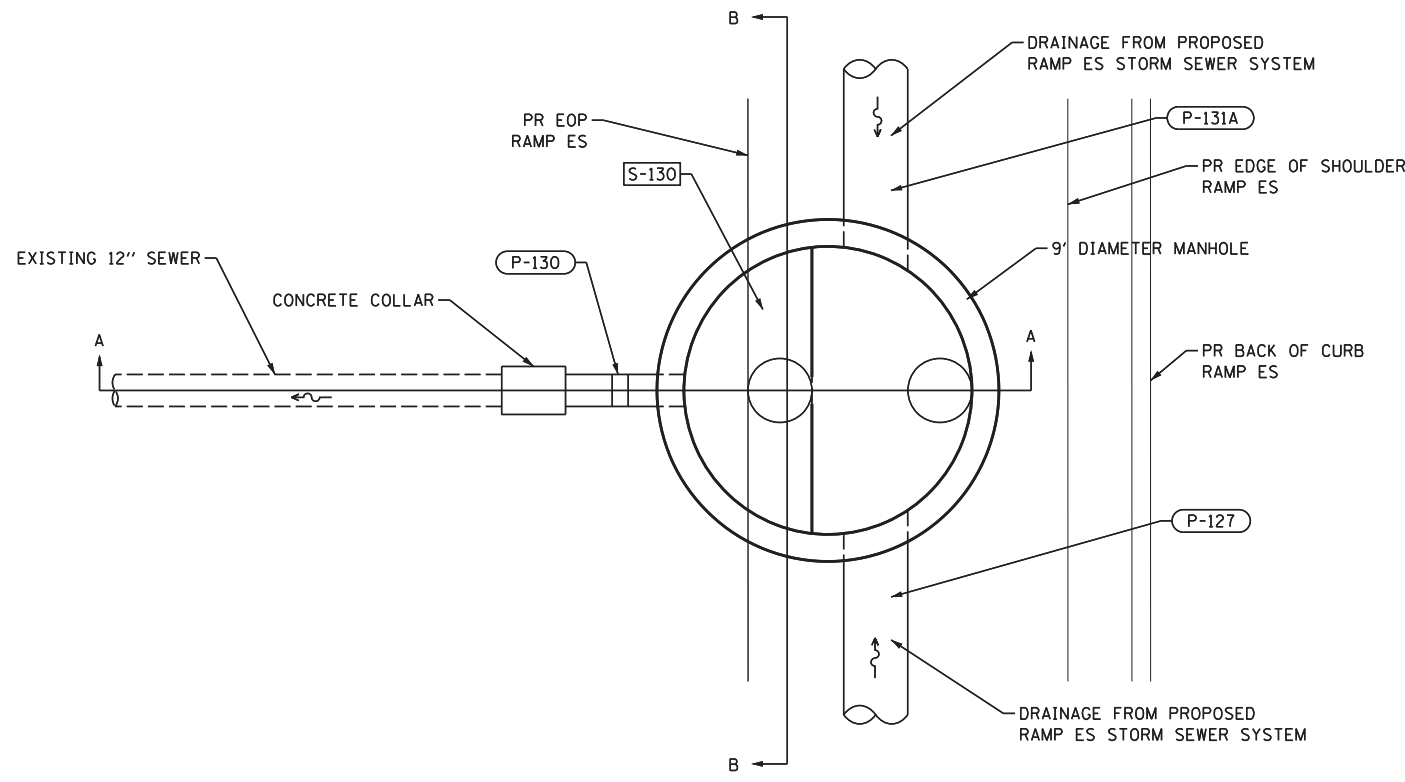
USER NAME = ouyeungh	DESIGNED - NSA	REVISED -
	DRAWN - NSA	REVISED -
PLOT SCALE = 3.0000' / in.	CHECKED - EEY	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

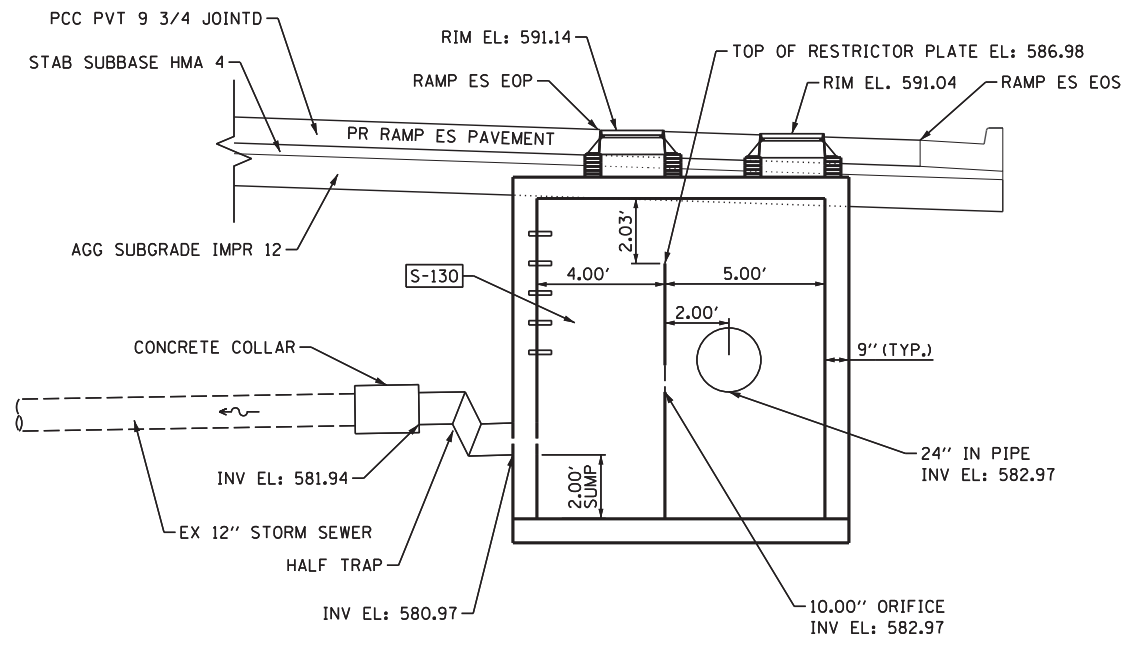
DRAINAGE DETAILS
CONTROL STRUCTURE S-117

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

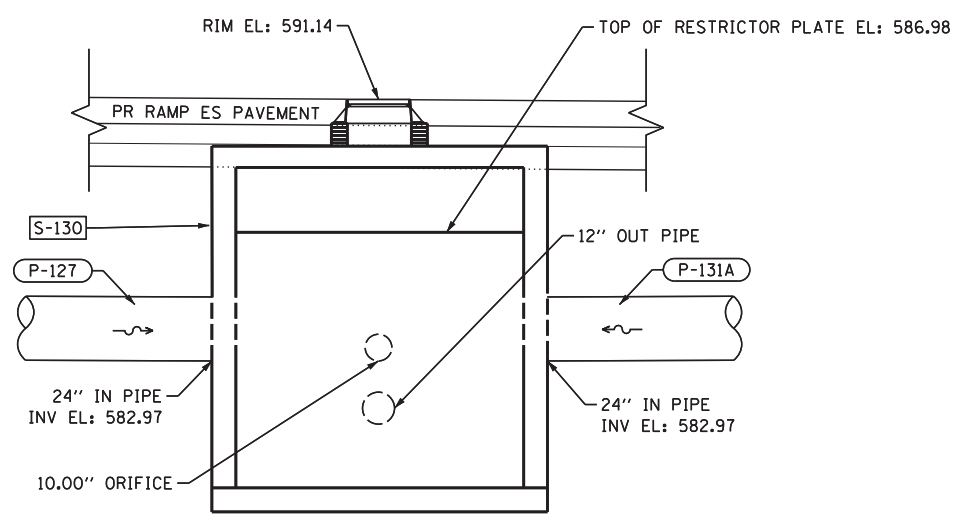
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	210
				CONTRACT NO. 60X07
ILLINOIS FED. AID PROJECT				



CONTROL STRUCTURE S-130
MANHOLES, TYPE A, 9'-DIAMETER, WITH 2 TYPE 1
FRAMES, CLOSED LID, RESTRICTOR PLATE
PLAN VIEW



CONTROL STRUCTURE S-130
MANHOLES, TYPE A, 9'-DIAMETER, WITH 2 TYPE 1
FRAMES, CLOSED LID, RESTRICTOR PLATE
SECTION A-A



CONTROL STRUCTURE S-130
MANHOLES, TYPE A, 9'-DIAMETER, WITH 2 TYPE 1
FRAMES, CLOSED LID, RESTRICTOR PLATE
SECTION B-B

FILE NAME = D:\0407-Sht-Drain-Details\02.dgn

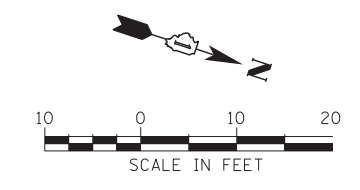
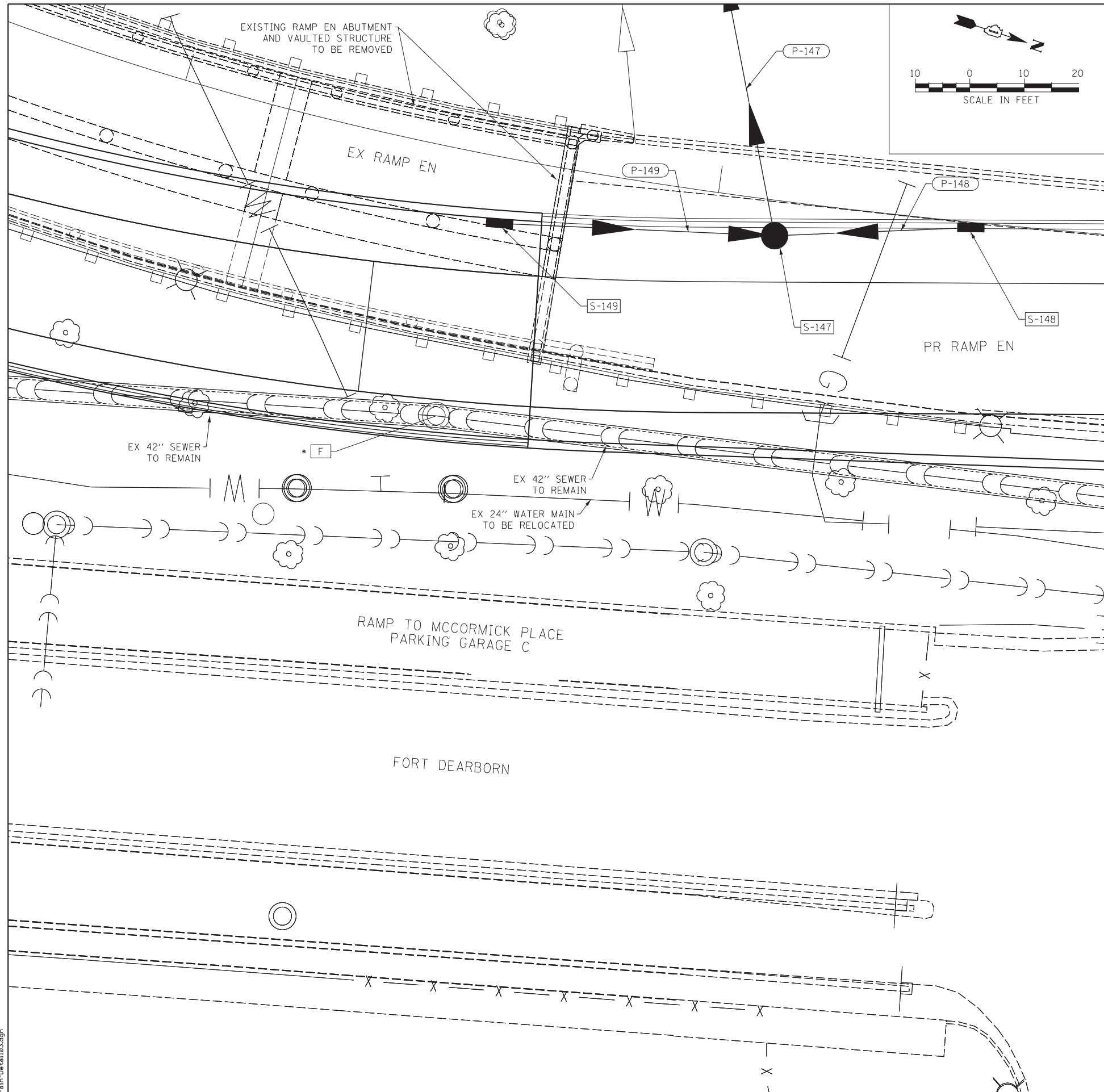


USER NAME = ouyeungh	DESIGNED - NSA	REVISED -
PLOT SCALE = 3.0000' / 1"	DRAWN - NSA	REVISED -
PLOT DATE = 5/22/2015	CHECKED - EEE	REVISED -
	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

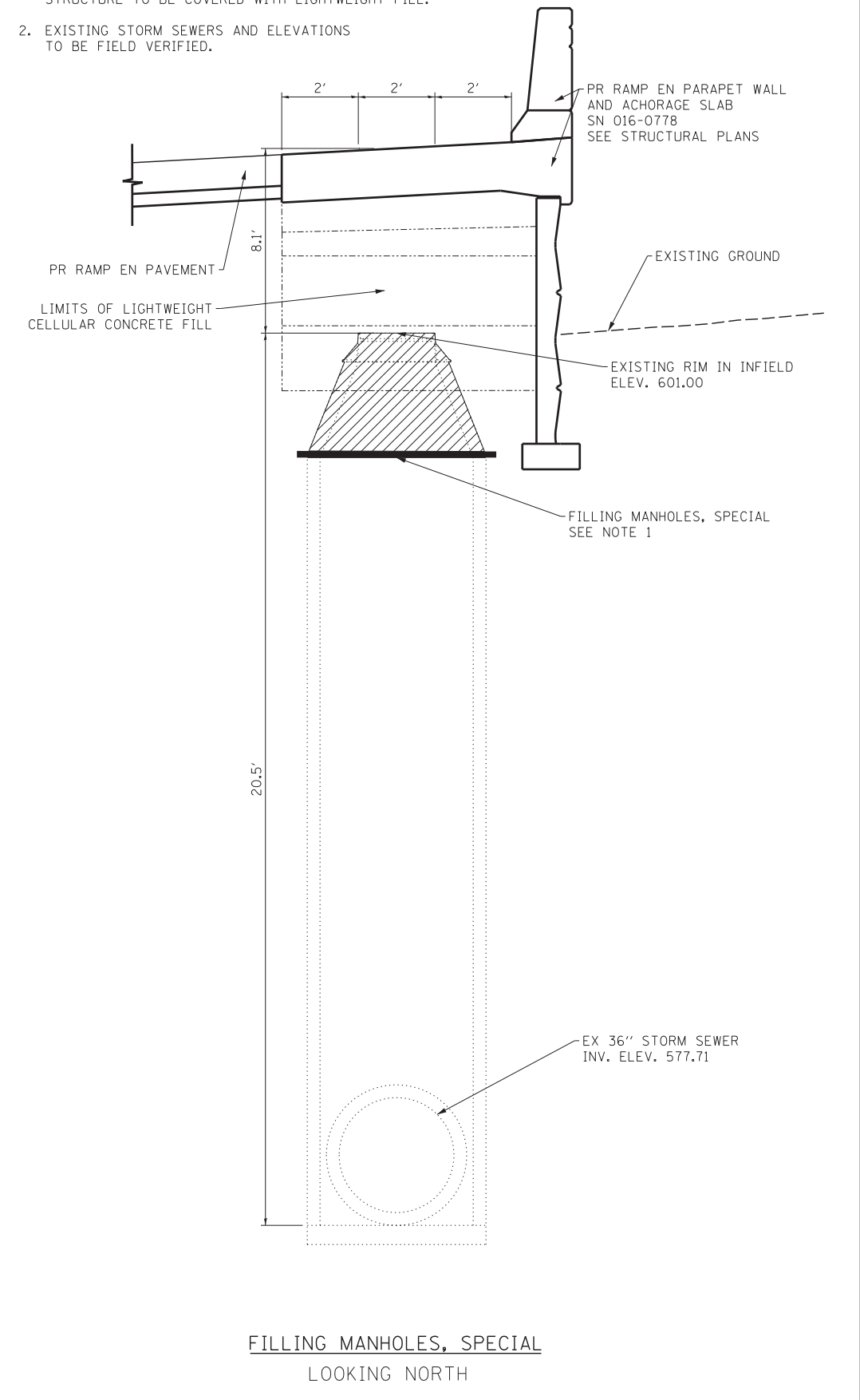
DRAINAGE DETAILS CONTROL STRUCTURE S-130	
SCALE: 1" = 3'	SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	211
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



NOTES:

1. EXISTING MANHOLE CONE SECTION TO BE REMOVED AND COVERED WITH A STEEL PLATE TOP. STRUCTURE TO BE COVERED WITH LIGHTWEIGHT FILL.
2. EXISTING STORM SEWERS AND ELEVATIONS TO BE FIELD VERIFIED.



FILLING MANHOLES, SPECIAL
LOOKING NORTH

FILE NAME = D:\60X07-Sht-Drain-Detail\03.dgn



USER NAME = augeungh	DESIGNED - NSA	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN - NSA	REVISED -
PLOT DATE = 5/22/2015	CHECKED - EY	REVISED -
	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE DETAILS
RAMP EN SWALE**

SCALE: 1" = 10' SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	212
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

WATER MAIN GENERAL NOTES:

1. LOCATION OF UTILITIES AND PROPERTY LINES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES WITH THE UTILITY OWNERS PRIOR TO DOING ANY WORK IN THE VICINITY. THE CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF UTILITY OWNERS REGARDING NOTICE OF WORK AND PROTECTION OF UTILITIES. THE CONTRACTOR SHALL COMPLY WITH THE CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION DAMAGE PREVENTION PROTOCOL CITY INFRASTRUCTURE DEPARTMENTS. ALL UTILITIES SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE CONSTRUCTION. (CALL DIGGER 312-744-7000)
3. IF ANY PUBLIC OR PRIVATE UTILITIES CROSS THE WATER MAIN TRENCH AND SHALL REMAIN IN PLACE, THE CONTRACTOR SHALL PROTECT SAID UTILITY IN CONFORMANCE WITH THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
4. TEST PITS SHALL BE EXCAVATED IN ADVANCE OF PIPELINE CONSTRUCTION IN ORDER TO CONFIRM DEPTH AND LOCATION OF EXISTING UTILITIES AND WHEN DIRECTED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR TEST PIT EXCAVATION.
5. WORK INDICATED ON THE PLANS AND NOT REFERENCED TO A BID ITEM SHALL BE CONSIDERED INCLUDED WITHIN THE BID ITEM TO THE WORK TO WHICH IT APPLIES AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. WATER MAIN AND FITTINGS LOCATIONS SHOWN ON THE DRAWINGS FOR THE NEW WATER MAINS AND APPURTENANCES MAY BE CHANGED BY THE ENGINEER DUE TO FIELD CONDITIONS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR SUCH CHANGES, UNLESS PREVIOUSLY APPROVED BY THE ENGINEER.
7. THE OPERATION OF ALL VALVES REQUIRED FOR SHUTDOWN SHALL BE PERFORMED BY CHICAGO DEPARTMENT OF WATER MANAGEMENT (CDWM) FORCES PURSUANT TO A 72 HOUR ADVANCE NOTIFICATION TO THE DEPARTMENT. ANY VALVE FOUND NOT OPERABLE WILL BE REPAIRED OR REPLACED BY CDWM.
8. REMOVE AND PROPERLY DISPOSE OF ALL WATER ENTERING ANY EXCAVATION INCLUDING LEAKAGE FROM EXISTING WATER MAINS. ALL EXCAVATIONS ASSOCIATED WITH THE WATER MAIN WORK SHALL BE KEPT DRY.
9. ALL OPENINGS IN EXISTING WATER MAINS SHALL BE PLUGGED OR CAPPED WITH DUCTILE IRON FITTINGS UNTIL THE MAIN IS ABANDONED.
10. ALL VALVE BASINS SHALL BE CONSTRUCTED OF PRE-CAST REINFORCED CONCRETE UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
11. NOTES INDICATING S.N.L., E.W.L., ETC. MEAN SOUTH OF THE NORTH PROPERTY LINE, EAST OF THE WEST PROPERTY LINE, ETC. AND ARE MEASURED FROM THE NEAREST STREET.
12. IF A STANDARD MECHANICAL JOINT SLEEVE DOES NOT FIT TO MAKE CONNECTION OF THE NEW PIPE TO THE EXISTING PIPE. A TRANSITION SLEEVE MUST BE USED. NO GRINDING OF THE EXISTING PIPE IS PERMITTED.
13. THE CONTRACTOR SHALL CONSULT AND FOLLOW RESTRAINED JOINT PIPE MANUFACTURER'S GUIDELINES AS TO EXTENSION OF THE JOINT AFTER ASSEMBLY IN ORDER TO LIMIT THE JOINT TAKE-UP UNDER PRESSURE TEST OR SERVICE CONDITIONS.
14. USE FILLER PIECES OF PIPE TO FILL THE AREA BETWEEN PIPE ENDS WHEN INSTALLING SLEEVE FITTINGS.
15. ON CONNECTIONS TO EXISTING CAST IRON PIPES, USE CAUTION WHEN INSTALLING MJ SLEEVES. SET SCREW TYPE RESTRAINT GLANDS (E.G. RETAINER GLANDS) ARE NOT ACCEPTABLE. CONSULT THE SPECIAL PROVISIONS FOR JOINT RESTRAINT REQUIREMENTS.
16. ABANDON EXISTING WATER MAINS IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
17. SWAB ALL PIPE AND FITTINGS WITH CHLORINE SOLUTION DURING INSTALLATION AND USE EXTRA PRECAUTION TO PREVENT SOIL AND DEBRIS FROM ENTERING THE PIPE. COMPLY WITH ALL STANDARDS AND REQUIREMENTS OF THE CDWM BUREAU OF WATER QUALITY. (312) 744-8190
18. DE-CHLORINATION OF HEAVILY CHLORINATED WATER IS REQUIRED. THE CONTRACTOR OR SUBCONTRACTED CHLORINATOR SHALL DE-CHLORINATE AS LISTED FOR "INFORMATIONAL PURPOSES ONLY" IN APPENDIX C OF THE ANSI/AWWA STANDARD C-651-05, JUNE 1, 2005. THE CHLORINE LEVEL SHALL BE BROUGHT TO POTABLE WATER LEVELS.
19. ELEVATIONS ARE SHOWN IN THE CITY OF CHICAGO DATUM AND NAVD 88. THE CONVERSION FACTOR FROM CCD TO NAVD88 IS: NAVD 88 ELEVATION = CCD + 579.19.
20. CONTRACTOR SHALL CONSTRUCT THE IMPROVEMENTS ONLY WITHIN THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE TO PRIVATE PROPERTY AND SHALL REPAIR SAID DAMAGE AT OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.

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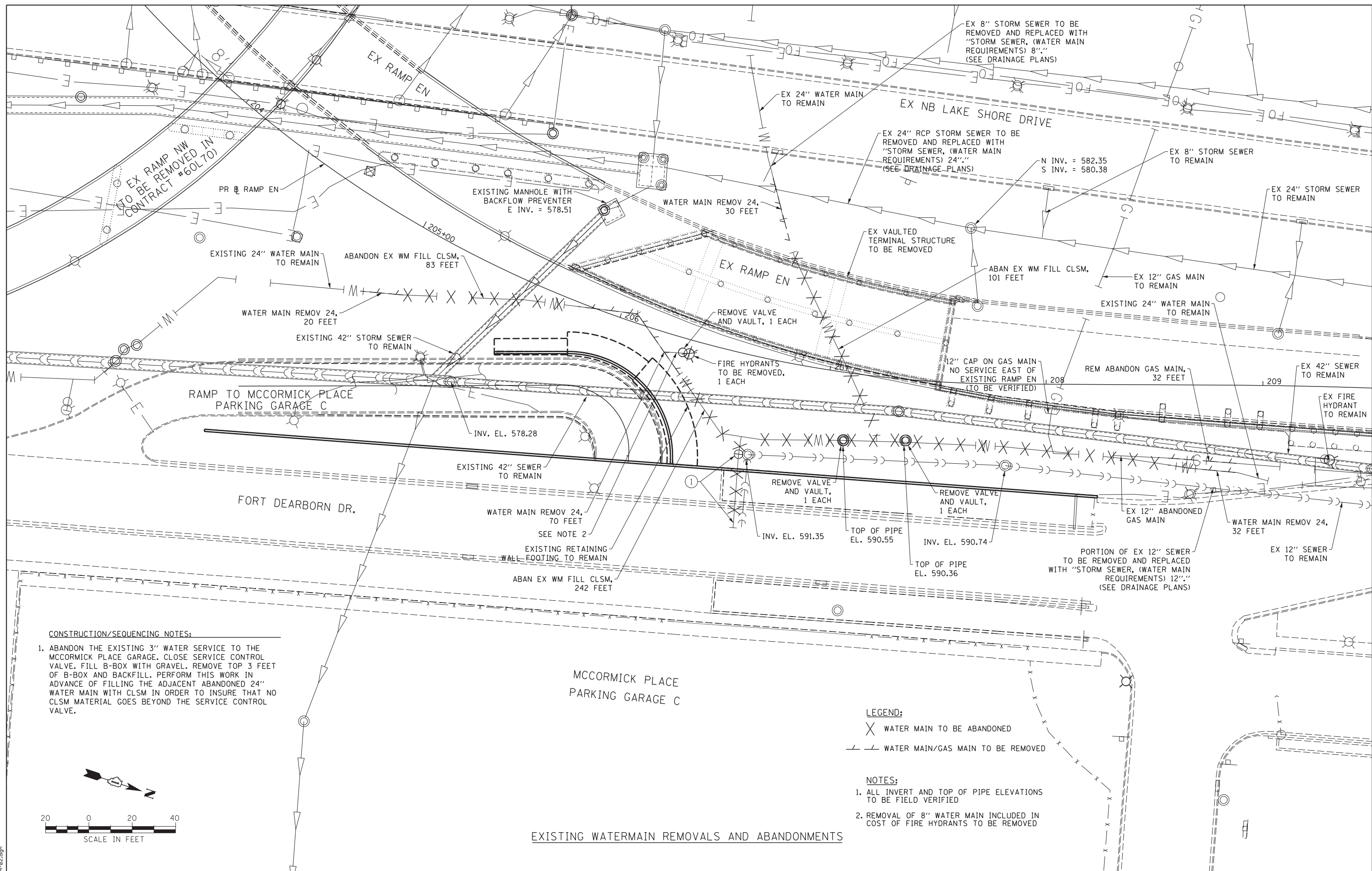
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	DRAWN - HHC	REVISED -
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PLOT DATE = 5/24/2015	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WATER MAIN
GENERAL NOTES**

SCALE SHEET NO. 1 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	213
CONTRACT NO. 60X07			ILLINOIS FED. AID PROJECT	



CONSTRUCTION/SEQUENCING NOTES:

1. ABANDON THE EXISTING 3" WATER SERVICE TO THE MCCORMICK PLACE GARAGE. CLOSE SERVICE CONTROL VALVE. FILL B-BOX WITH GRAVEL. REMOVE TOP 3 FEET OF B-BOX AND BACKFILL. PERFORM THIS WORK IN ADVANCE OF FILLING THE ADJACENT ABANDONED 24" WATER MAIN WITH CLSM IN ORDER TO INSURE THAT NO CLSM MATERIAL GOES BEYOND THE SERVICE CONTROL VALVE.

LEGEND:

- X WATER MAIN TO BE ABANDONED
- WATER MAIN/GAS MAIN TO BE REMOVED

NOTES:

1. ALL INVERT AND TOP OF PIPE ELEVATIONS TO BE FIELD VERIFIED
2. REMOVAL OF 8" WATER MAIN INCLUDED IN COST OF FIRE HYDRANTS TO BE REMOVED

EXISTING WATERMAIN REMOVALS AND ABANDONMENTS

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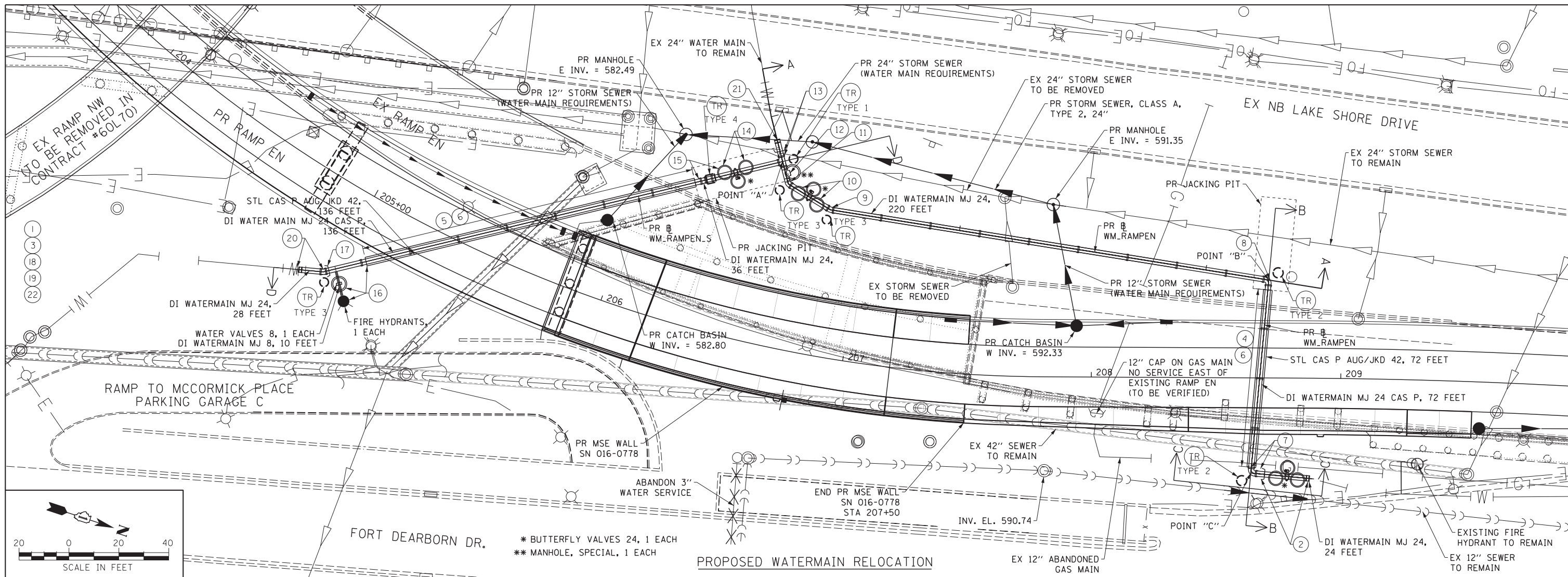
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PLOT DATE = 5/24/2015	CHECKED - MJE	REVISED -
	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATERMAIN RELOCATION
RAMP EN

SCALE: 1" = 20' SHEET NO. 2 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	214
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



CONSTRUCTION/SEQUENCING NOTES:

1. CONTACT CHICAGO DEPARTMENT OF WATER MANAGEMENT (CDWM) TO ARRANGE FOR THE SHUTDOWN OF THE EXISTING 24" WATER MAIN (312-744-5070). COORDINATE THE SHUTDOWN PERIOD WITH MCCORMICK PLACE AND THEIR EVENT SCHEDULE.
2. CUT OUT AND REMOVE SECTION OF EXISTING 24" WATER MAIN. INSTALL 1-24" BUTTERFLY VALVE AND 2-2" TEST TAPS AT STA 53+18. INSTALL 24" PIPE TO THE SOUTH. TEMPORARILY PLUG AND BRACE WITH 1-24" MJ PLUG. BUILD BASINS TO CONTAIN BUTTERFLY VALVE AND TEST TAPS (SEE DETAILS).
3. CONTACT CDWM TO FILL, FLUSH AND RETURN EXISTING 24" WATER MAIN TO THE NORTH OF THE NEW VALVE BACK TO SERVICE NO LATER THAN THE DATE AGREED UPON WITH CDWM AS PART OF THE SHUTDOWN.
4. INSTALL 72'- 42" STEEL CASING PIPE BETWEEN STATIONS 52+30 AND 53+01.
5. INSTALL 136'- 42" STEEL CASING PIPE BETWEEN STATIONS 80+36 AND 81+72.
6. INSTALL 24" WATER MAIN IN CASING PIPES USING CASING SPACERS.
7. REMOVE TEMPORARY PLUG AND CONNECT TO 24" PIPE TO NORTH. INSTALL 1-24" X 4" TEE WITH OUTLET ROTATED UP AT APPROXIMATELY STATION 53+07. INSTALL 1-4" MJ PLUG IN OUTLET. INSTALL 1-24" X 1/4 BEND AT APPROXIMATELY STATION 53+03. CONNECT TO 24" PIPE IN CASING WITH 1-24" MJ SLEEVE. BUILD THRUST RESTRAINT.
8. INSTALL 1-24" X 1/4 BEND AT APPROXIMATELY STATION 52+26. INSTALL 24" WATER MAIN TO SOUTH. BUILD THRUST RESTRAINT.
9. INSTALL 24" X 1/16 BEND AT APPROXIMATELY STATION 50+48.
10. INSTALL 1-24" BUTTERFLY VALVE AND 2-2" TEST TAPS AT STA 50+38. BUILD BASINS TO CONTAIN BUTTERFLY VALVE AND TEST TAPS (SEE DETAILS).
11. INSTALL 24" X 1/8 BEND AT APPROXIMATELY STATION 50+28. BUILD THRUST RESTRAINT.

12. INSTALL 1-24" X 24" TEE WITH 1-24" MJ PLUG FOR INSPECTION MANHOLE AT STATION 50+24. BUILD BASIN TO CONTAIN INSPECTION TEE (SEE DETAILS).
13. INSTALL 1-24" X 24" TEE AT STA 50+19 (STA 80+00 @ WM_RAMPEN_S). INSTALL 24" PIPE TO WEST AND TEMPORARILY PLUG AND BRACE. BUILD THRUST RESTRAINT.
14. INSTALL 1-24" BUTTERFLY VALVE AND 2-2" TEST TAPS AT STA 80+19. BUILD BASINS TO CONTAIN BUTTERFLY VALVE AND TEST TAPS (SEE DETAILS).
15. INSTALL 2- 24" X 1/8 BENDS TO ADJUST THE VERTICAL ALIGNMENT AND CONNECT TO 24" PIPE IN THE CASING PIPE WITH 1-24" MJ SLEEVE.
16. INSTALL 24" WATER MAIN TO SOUTH. INSTALL 1-24" X 8" TEE AT APPROXIMATELY STATION 81+84. INSTALL 8" PIPE, 8" CHICAGO STANDARD MJ GATE VALVE AND 1 CHICAGO STANDARD FIRE HYDRANT AT STATION 81+84. BUILD BASIN ON GATE VALVE.
17. TEMPORARILY PLUG AND BRACE THE WATER MAIN.
18. SLOWLY OPEN NEW 24" BUTTERFLY VALVE (NOTE 2) AND THOROUGHLY FLUSH THE NEW WATER MAIN FROM NORTH TO SOUTH TO REMOVE ALL AIR.
19. PRESSURE TEST AND DISINFECT THE 24" WATER MAIN IN ACCORDANCE WITH CDWM REQUIREMENTS AND THE CONTRACT DOCUMENTS.
20. AFTER APPROVAL OF THE PRESSURE TEST AND DISINFECTION BY CDWM, REMOVE TEMPORARY 24" PLUG (NOTE 17) AND INSTALL 1-24" X 1/16 BEND AT STA 81+89. BUILD THRUST RESTRAINT. CONNECT TO EXISTING 24" WATER MAIN TO THE SOUTH WITH 24" PIPE AND 1-24" MJ SLEEVE.
21. REMOVE THE TEMPORARY 24" PLUG (NOTE 13) AND CONNECT TO EXISTING 24" WATER MAIN TO THE WEST WITH 24" PIPE AND 1-24" MJ SLEEVE.
22. RESTORE ALL WATER MAIN TRENCHES PER THE DETAILED DRAWINGS.

NOTES:

- A) ALL OF THE FOLLOWING WATER MAIN CONSTRUCTION MUST BE COORDINATED AND SEQUENCED WITH THE CONSTRUCTION OF THE I-55 & LAKE SHORE DRIVE RAMP AT THIS LOCATION.
- B) ALL PIPE, VALVES AND FITTINGS USED ON THIS PROJECT SHALL BE MECHANICAL JOINT WITH APPROVED RESTRAINT GLANDS.
- C) JACKING PIT TO BE DESIGNED BY THE CONTRACTOR. LIMITS SHOWN ARE APPROXIMATE.
- D) SEE DRAINAGE PLANS FOR PROPOSED IMPROVEMENTS AND REMOVALS. SHOWN FOR INFORMATION ONLY.

PR_WM_RAMPEN				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		50+00.00	1,888,633.76	1,180,645.91
PI		50+27.77	1,888,649.89	1,180,668.51
PI		50+47.56	1,888,669.36	1,180,672.06
PI		52+25.54	1,888,843.34	1,180,634.54
PI		53+03.25	1,888,864.71	1,180,709.25
POT		53+27.88	1,888,889.18	1,180,702.25

PR_WM_RAMPEN_S				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		80+00.00	1,888,644.53	1,180,661.00
PI		81+89.31	1,888,489.06	1,180,769.02
POT		82+00.48	1,888,478.33	1,180,772.12

(TR) = THRUST RESTRAINT PER THRUST RESTRAINT DETAIL SHEETS. FOR THRUST RESTRAINT TYPES AND DETAILS SEE SHEETS 223 TO 224.

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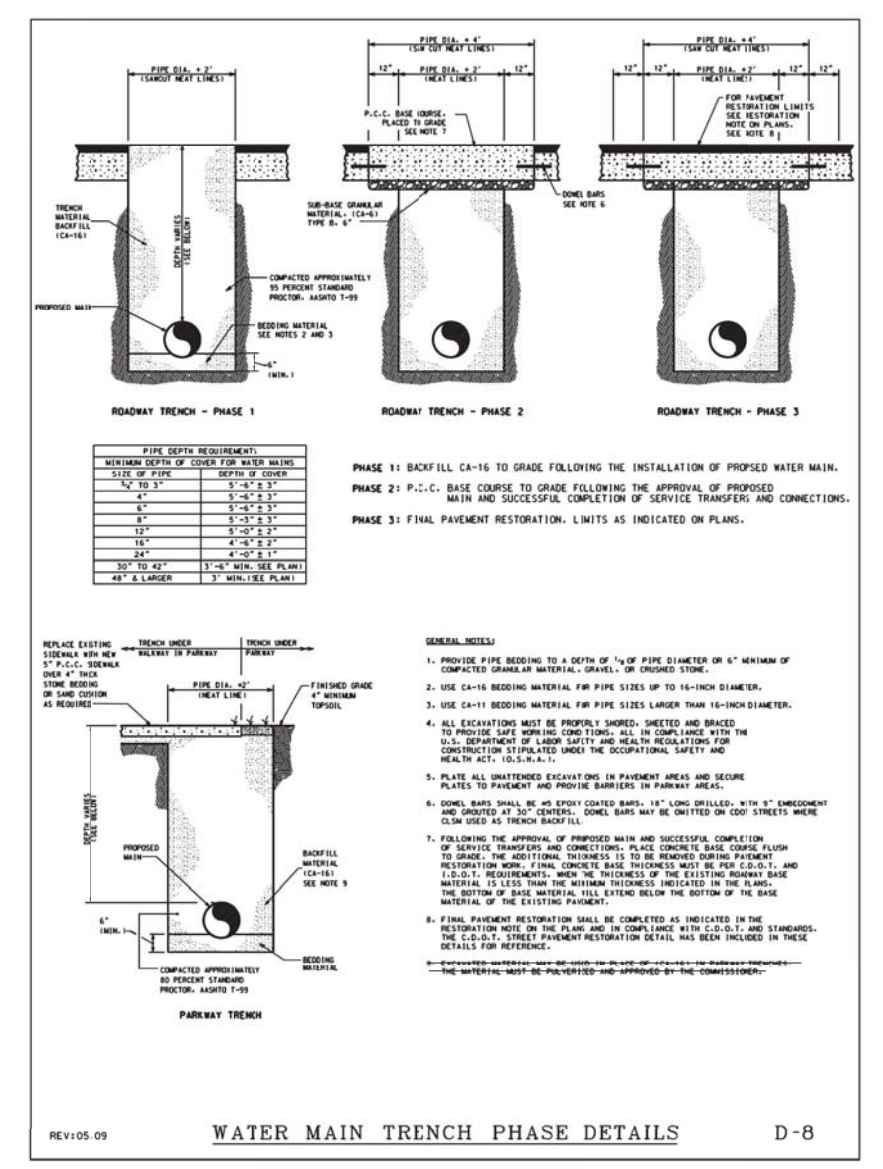
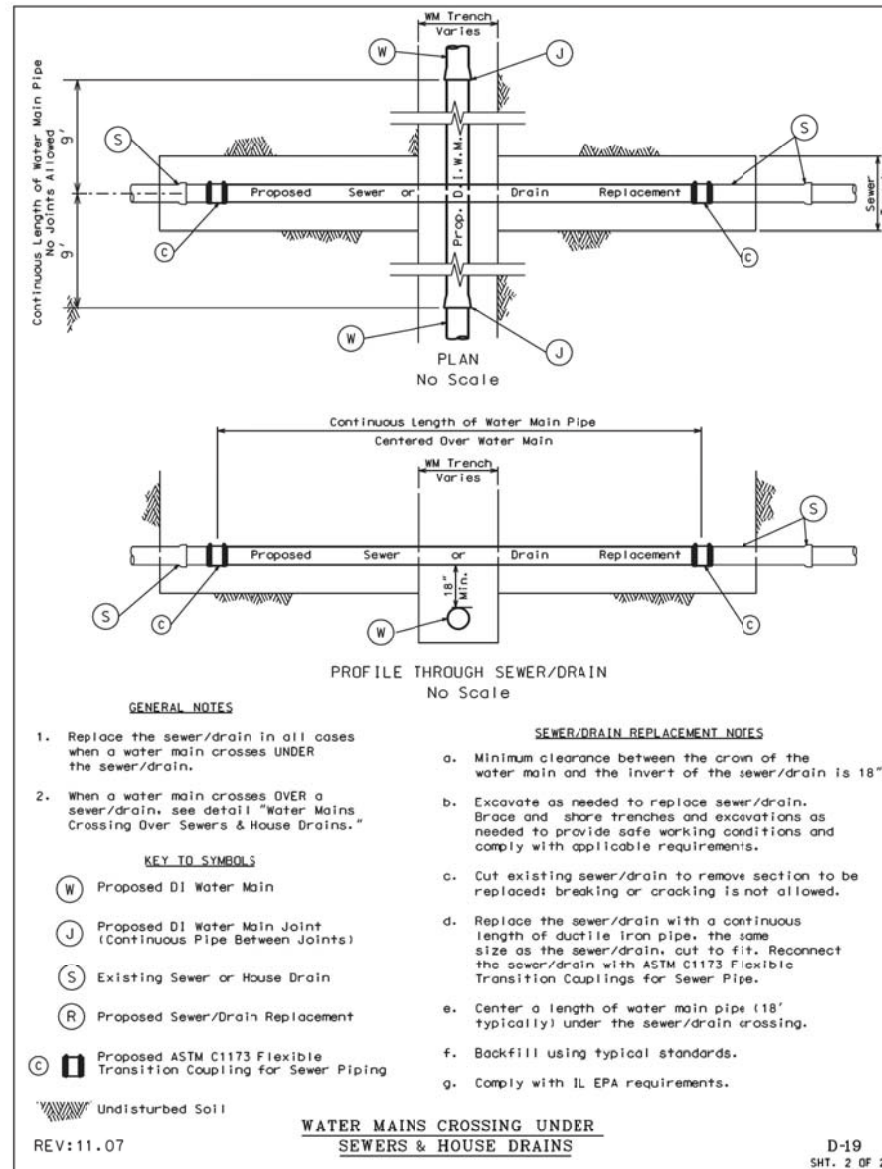
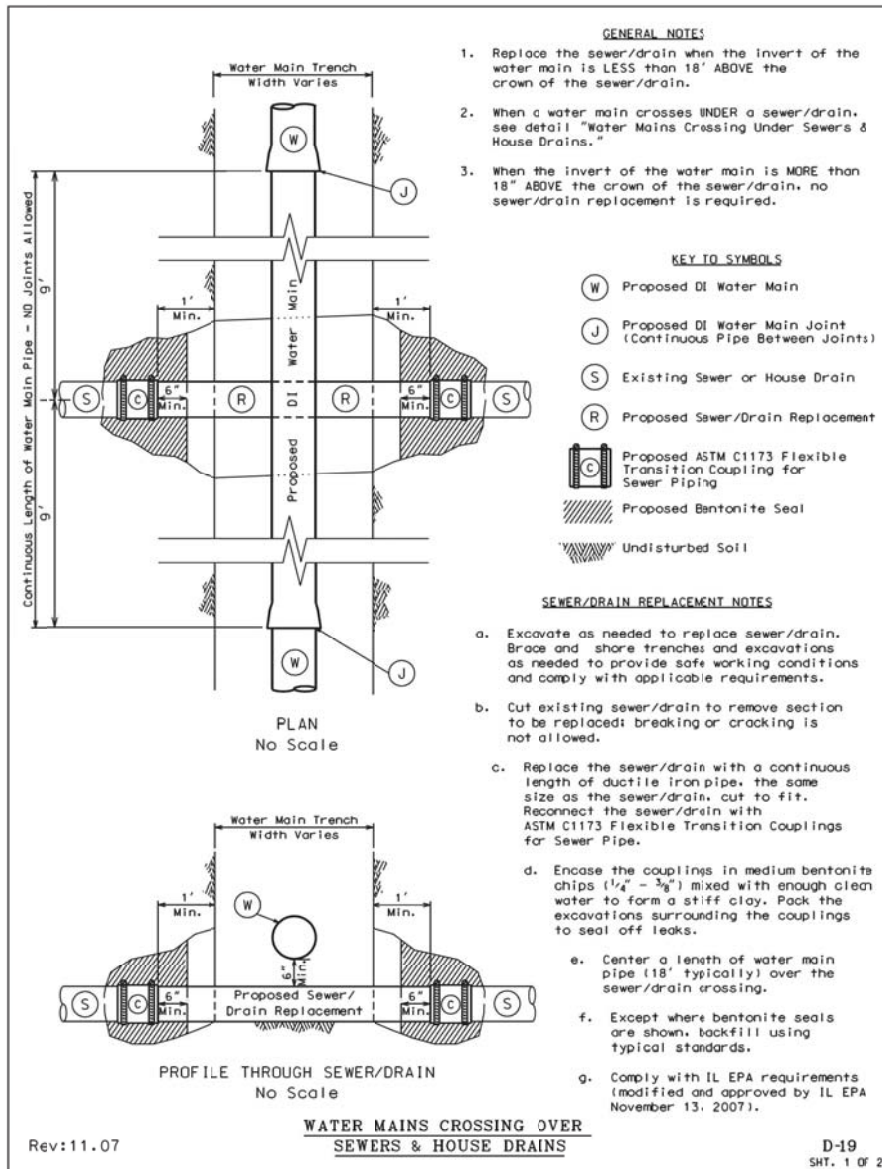
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**WATERMAIN RELOCATION
 RAMP EN**

SCALE: 1" = 20' SHEET NO. 3 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	215
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



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PLOT SCALE = 20.0000' / in.
PLOT DATE = 5/24/2015

DESIGNED - HHC
DRAWN - HHC
CHECKED - RBB
DATE - 5/26/2015

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS

SCALE SHEET NO. 6 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	218
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

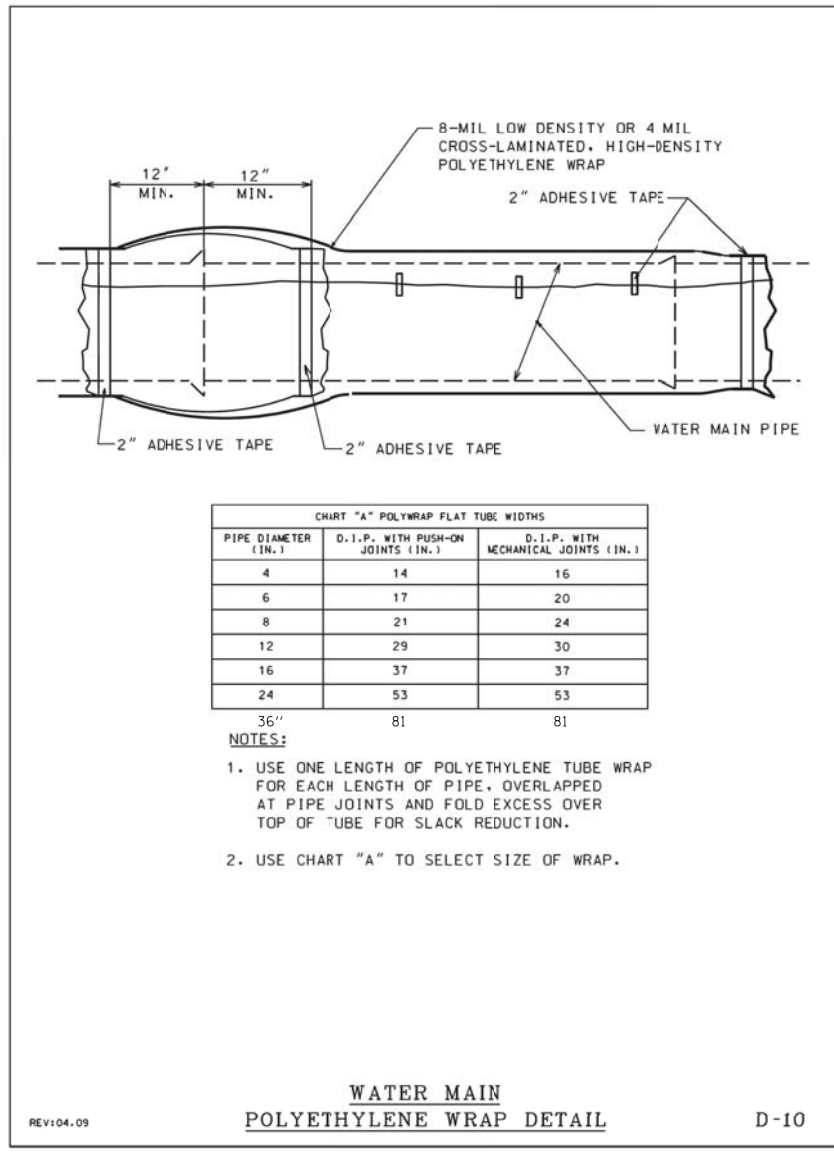
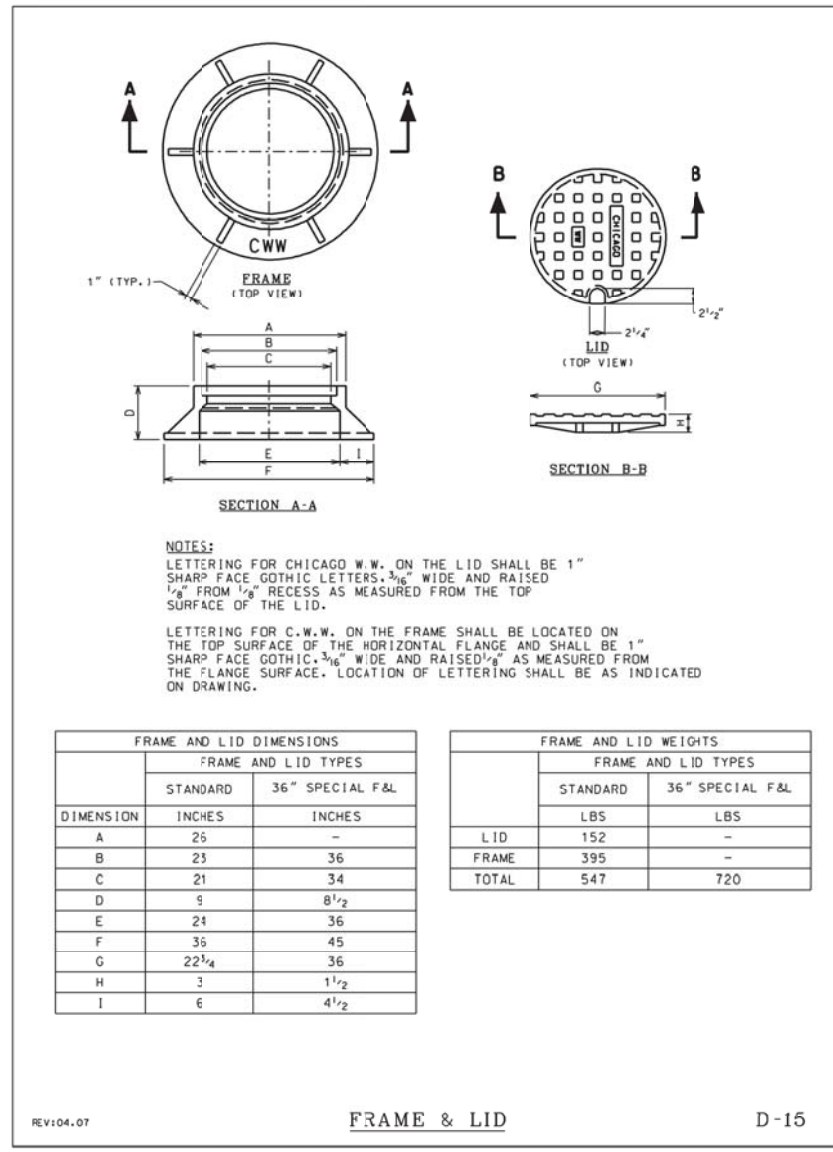


CHART "A" POLYWRAP FLAT TUBE WIDTHS

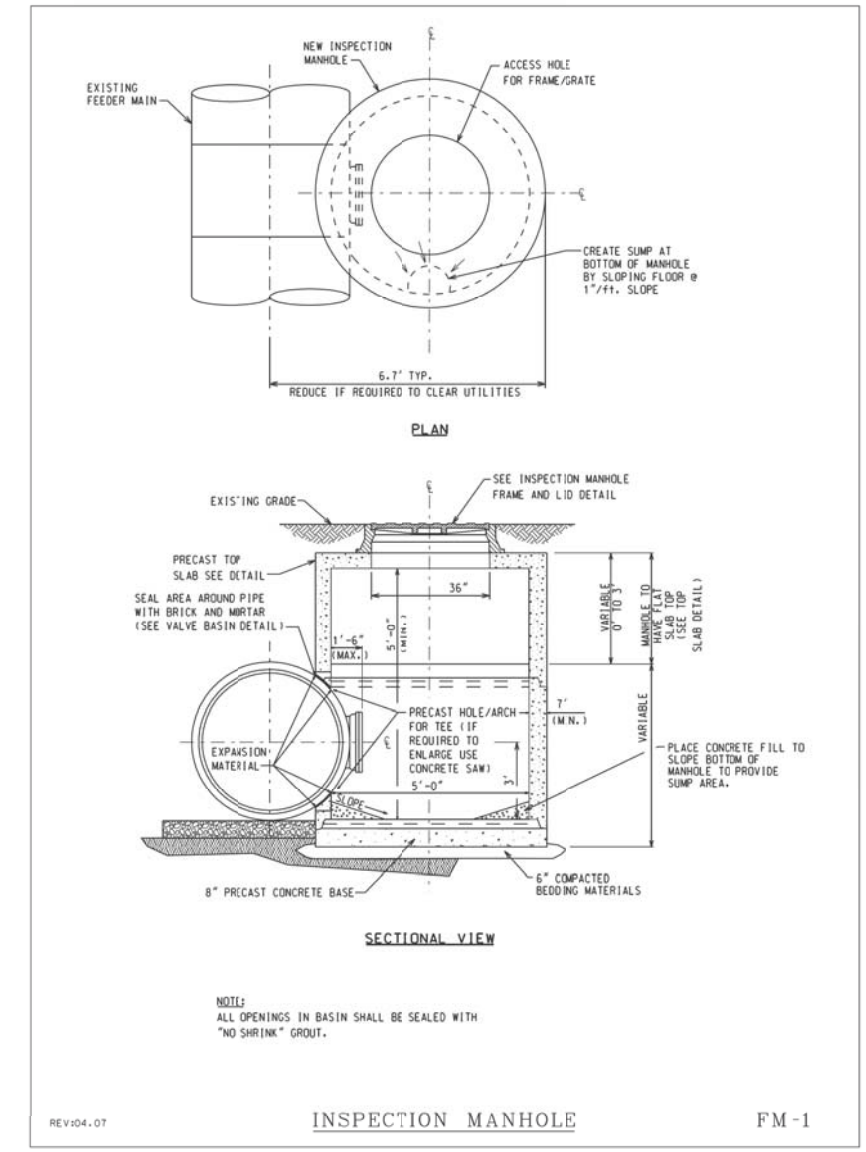
PIPE DIAMETER (IN.)	D.I.P. WITH PUSH-ON JOINTS (IN.)	D.I.P. WITH MECHANICAL JOINTS (IN.)
4	14	16
6	17	20
8	21	24
12	29	30
16	37	37
24	53	53
36"	81	81

- NOTES:
1. USE ONE LENGTH OF POLYETHYLENE TUBE WRAP FOR EACH LENGTH OF PIPE, OVERLAPPED AT PIPE JOINTS AND FOLD EXCESS OVER TOP OF TUBE FOR SLACK REDUCTION.
 2. USE CHART "A" TO SELECT SIZE OF WRAP.

WATER MAIN
POLYETHYLENE WRAP DETAIL
REV:04.09 D-10



FRAME & LID
REV:04.07 D-15



INSPECTION MANHOLE
REV:04.07 FM-1

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

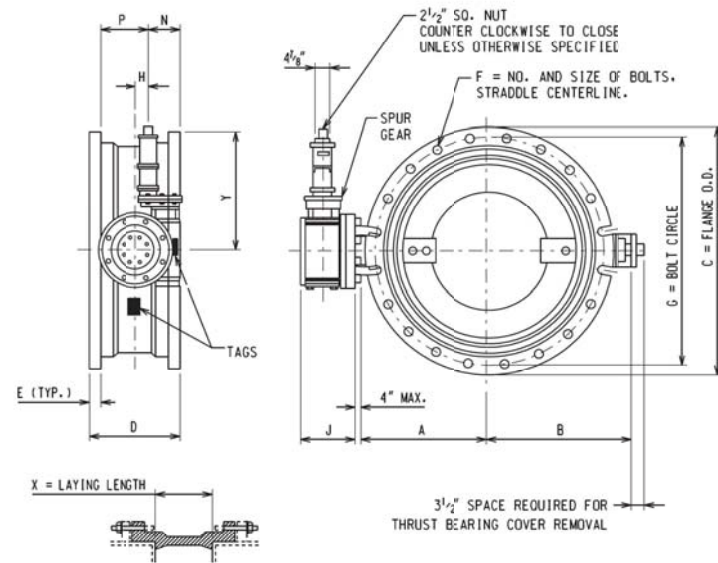
WATER MAIN DETAILS

SCALE SHEET NO. 7 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	219
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

VALVE SIZE	A	B	C	D	E	F	G	X
24-INCH	18 ⁵ / ₈ "	18 ⁵ / ₈ "	31 ⁵ / ₈ "	13 ¹ / ₄ "	1 ⁵ / ₈ "	16	3 ³ / ₄ "	30"
30-INCH	21 ¹ / ₂ "	24 ³ / ₈ "	39"	18"	1 ¹ / ₂ "	20	1"	36 ⁵ / ₈ "
36-INCH	25 ¹ / ₈ "	28 ¹ / ₄ "	45 ¹ / ₈ "	22"	2"	24	1"	43 ¹ / ₄ "
42-INCH	29 ¹ / ₈ "	32 ¹ / ₈ "	53"	22"	2"	28	1 ¹ / ₄ "	50 ³ / ₈ "
48-INCH	34 ¹ / ₈ "	37 ¹ / ₈ "	59 ¹ / ₈ "	24"	2"	32	1 ¹ / ₄ "	57 ¹ / ₂ "

OPERATOR SIZE	J	L	M	N	P	Q	Y	VALVE	NO. OF TYPES
T-425	7 ³ / ₈ "	6"	7 ¹ / ₂ "	6 ⁵ / ₈ "	9 ¹ / ₂ "	6 ⁵ / ₈ "	21"	36"	75
T-425	8"	6 ⁵ / ₈ "	7 ¹ / ₂ "	6 ⁵ / ₈ "	9 ¹ / ₂ "	6 ⁵ / ₈ "	21"	48"	127



INSTALLATION DIAGRAM

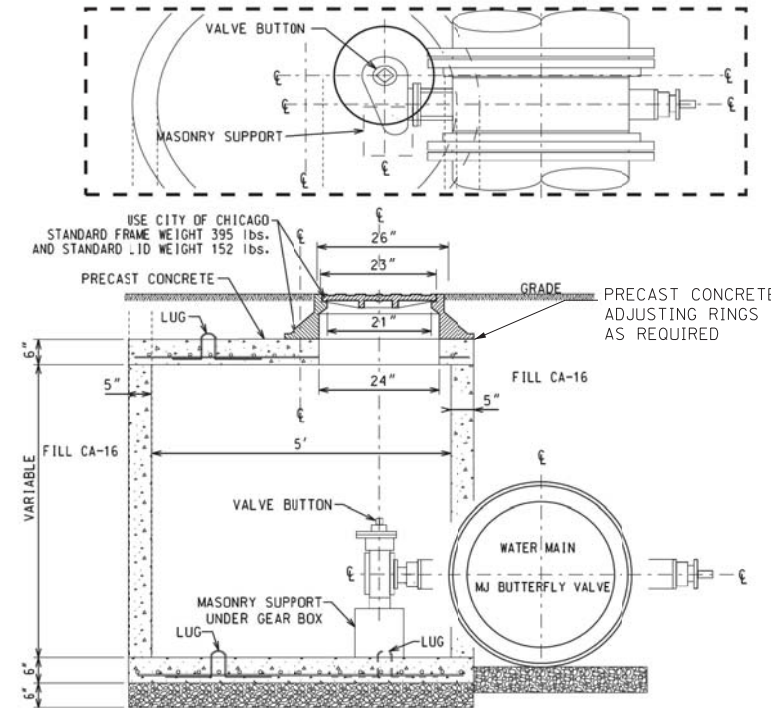
NOTE:

1. BUTTERFLY VALVES SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA SPECIFICATION C-504-87, CLASS 150B, SHORT BODY VALVE WITH MECHANICAL JOINT ACCESSORIES.
2. OPERATORS ARE EQUIPPED WITH OPEN/CLOSE INDICATING ARROW. ASSEMBLY OPEN CLOCKWISE.

REV:07.07

BUTTERFLY VALVE

FM-13



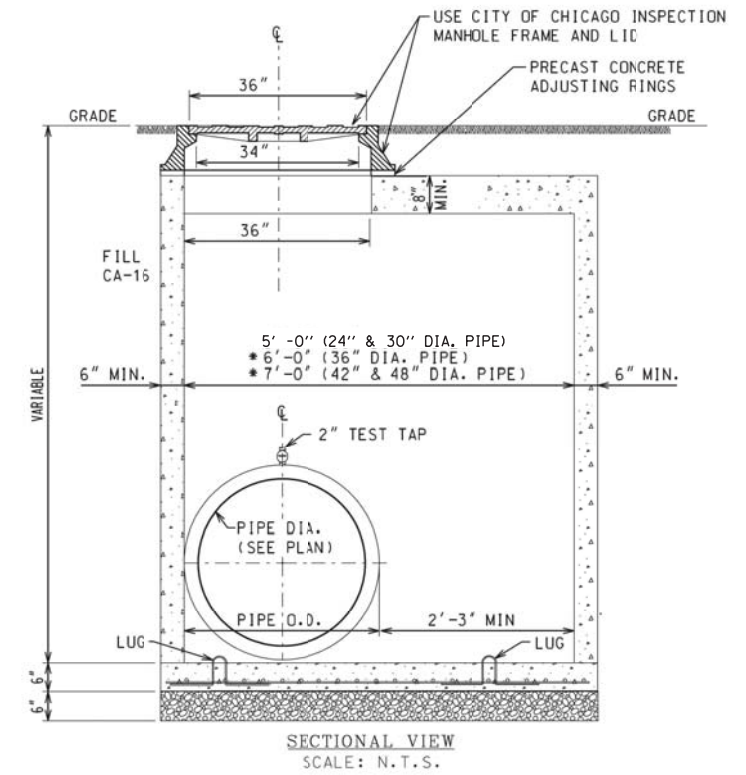
NOTES:

1. PRECAST CONCRETE TOP SLAB TO BE USED WHERE HEAD ROOM IS REQUIRED.
2. PRECAST 6" THICK CONCRETE SLAB WITH #4 EPOXY COATED REBARS 4" C/C BOTHWAYS.
3. PROVIDE FOUR #4 REBAR LUGS FOR HANDLING. CUT THE LUGS AFTER PLACING THE SLAB IN POSITION.
4. PROVIDE 24-INCH DIAMETER OPENING IN THE CENTER OR AS REQUIRED.
5. THE LOCATION OF MANHOLE TO BE DETERMINED ON INDIVIDUAL BASIS.
6. PROVIDE 6" THICK COMPACTED CA-16 BEDDING.

BUTTERFLY VALVE BASIN
PRECAST CONCRETE

REV:07.07

FM-15



SECTIONAL VIEW
SCALE: N.T.S.

NOTE:

1. PROVIDE 6" THICK COMPACTED CA-16 BEDDING
2. USE PRECAST CONCRETE BASE OR PROVIDE 6" THICK 100T CLASS 'SI' CONCRETE BASE POURED IN PLACE WITH #4 EPOXY COATED REBARS 4" C/C BOTHWAYS.
3. PROVIDE FOUR #4 REBAR LUGS FOR HANDLING. CUT THE LUGS AFTER PLACING THE SLAB IN POSITION.
4. PRECAST CONCRETE TOP SLAB TO BE USED WHERE HEAD ROOM IS REQUIRED.
5. THE LOCATION OF MANHOLE TO BE DETERMINED ON INDIVIDUAL BASIS.
- * 6. OPENING ON TOP SLAB TO BE CENTERED OVER TEST TAP.

REV:07.07

PITOMETER TAP BASIN
PRECAST CONCRETE

FM-4

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PLOT SCALE = 20.0000' / in.
PLOT DATE = 5/24/2015

DESIGNED - HHC
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DATE - 5/26/2015

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

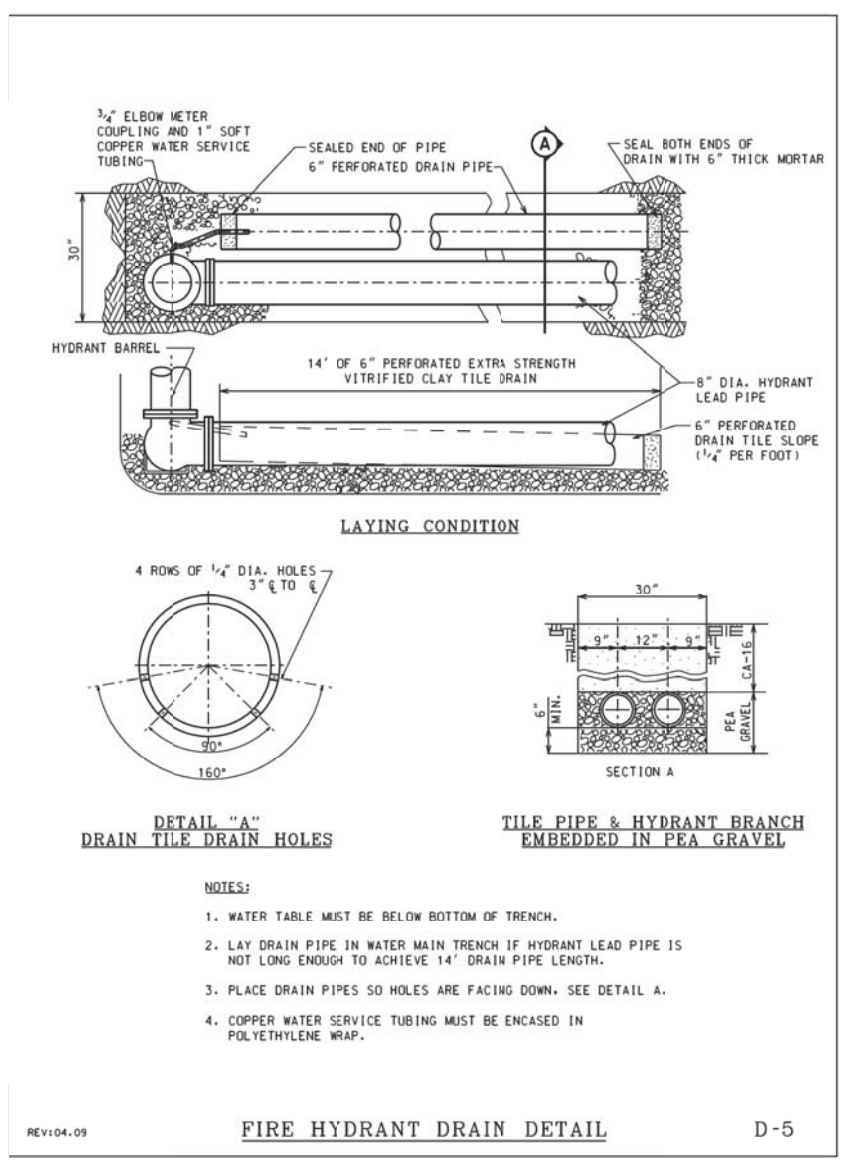
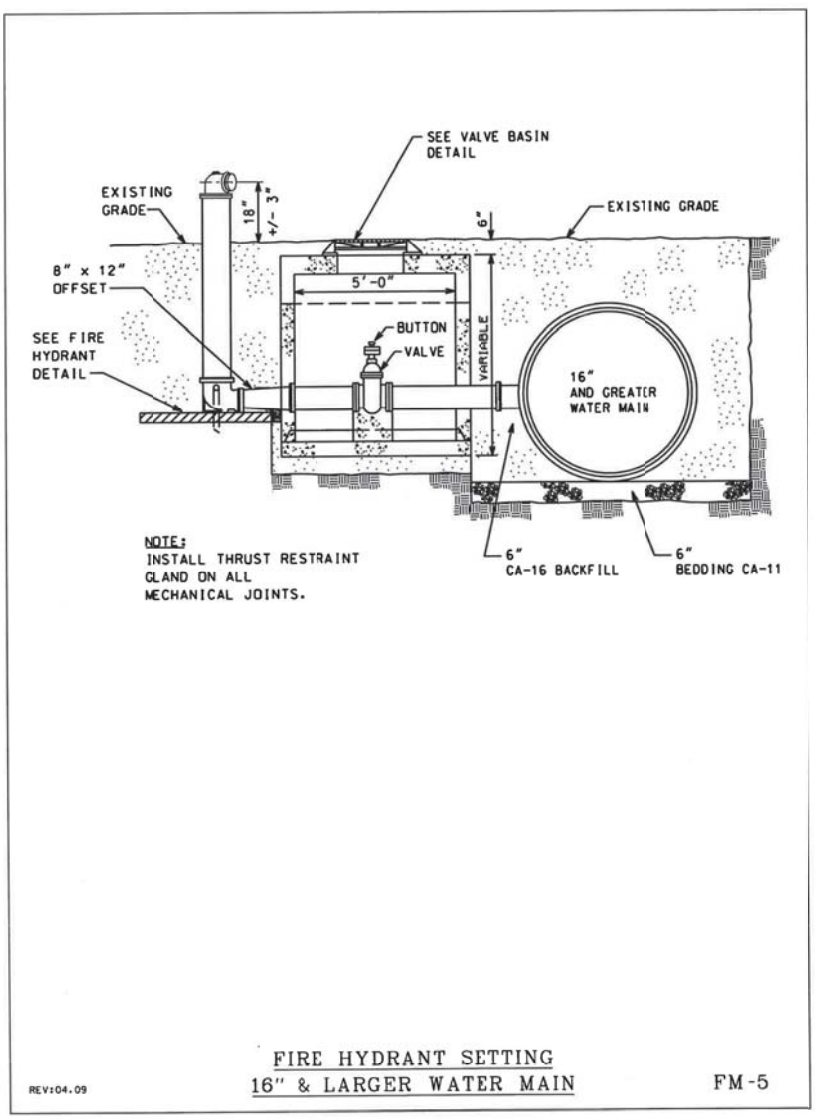
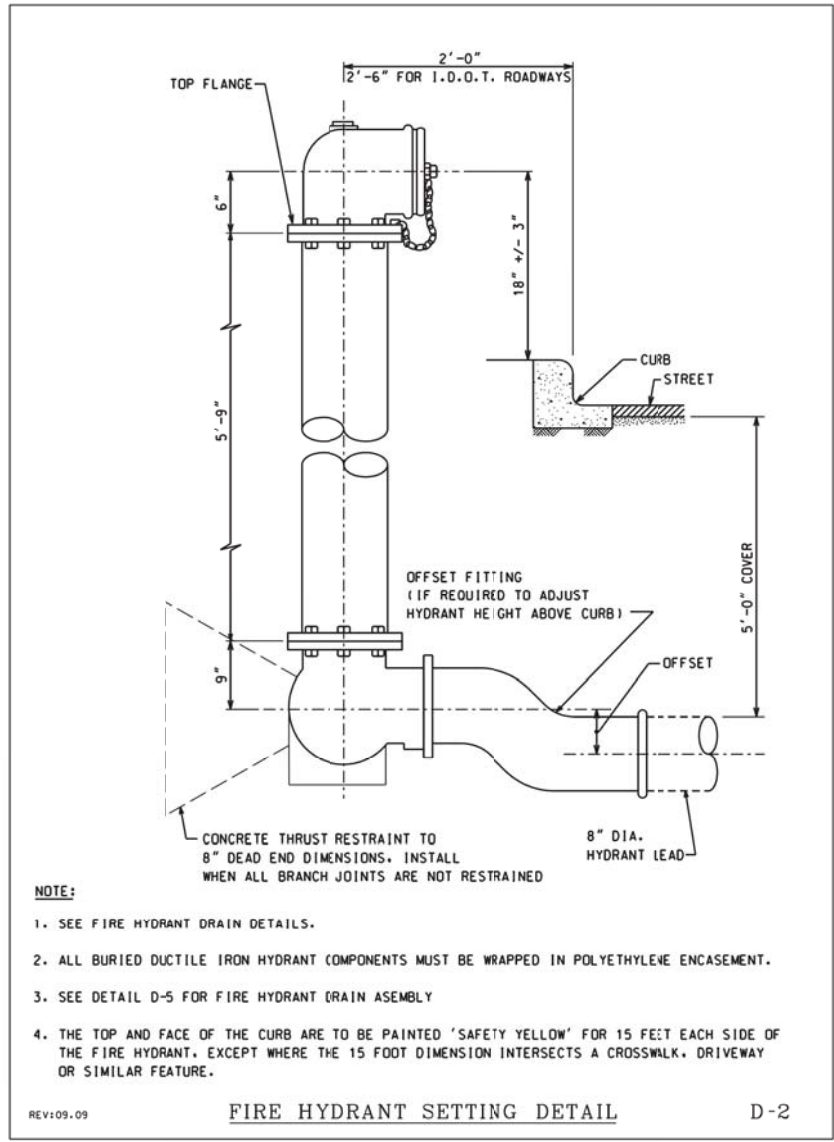
WATER MAIN DETAILS

SCALE SHEET NO. 8 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	220

CONTRACT NO. 60X07

ILLINOIS FED. AID PROJECT



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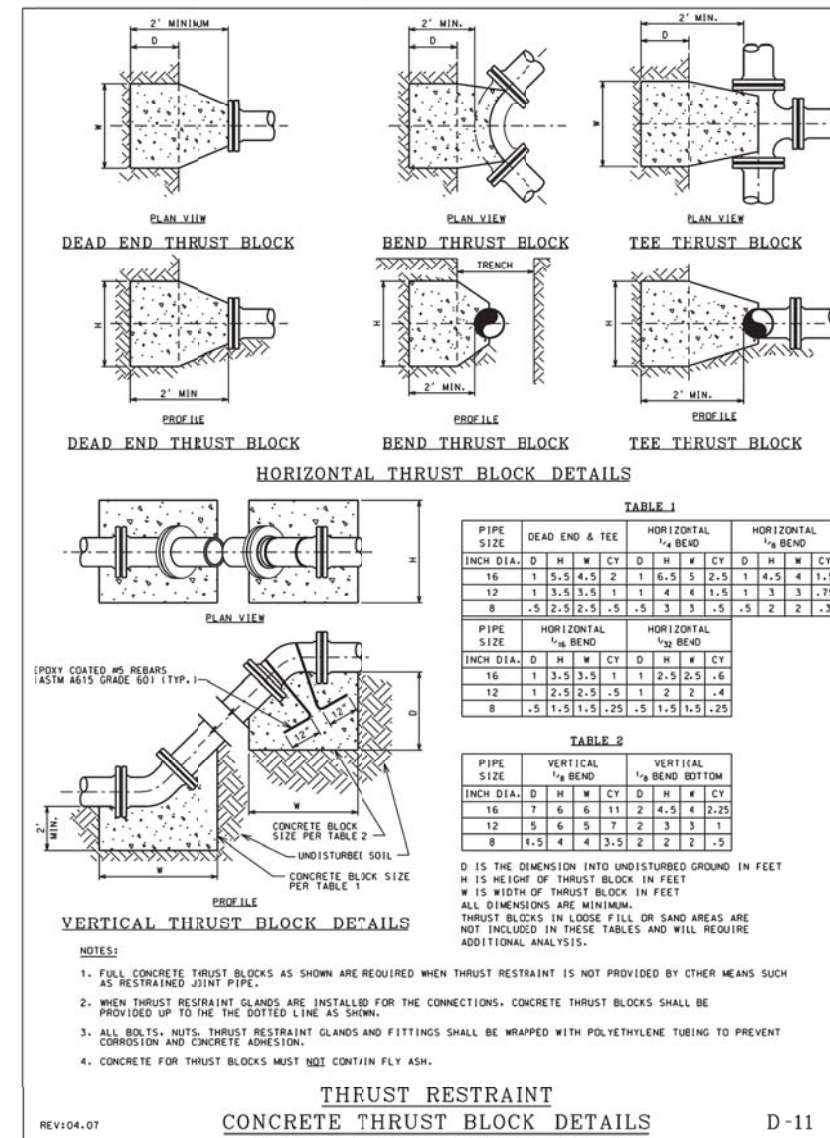
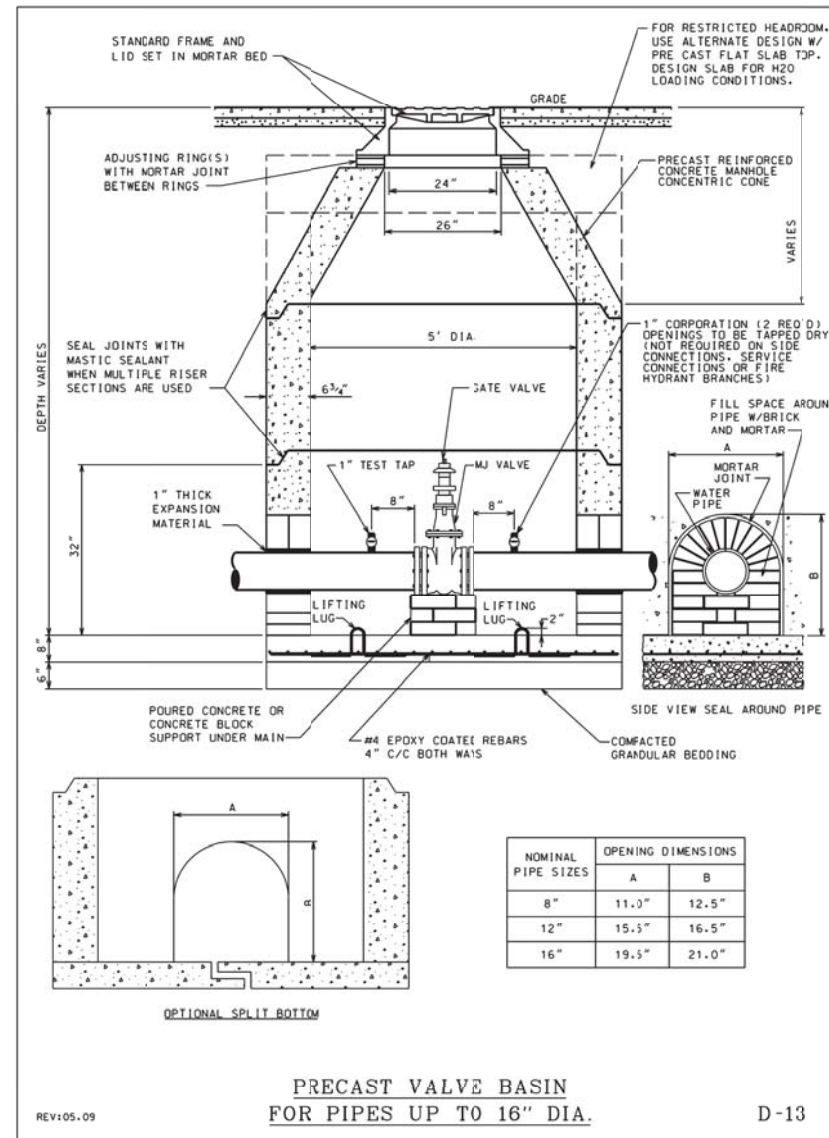
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	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WATER MAIN DETAILS

SCALE SHEET NO. 9 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	221
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



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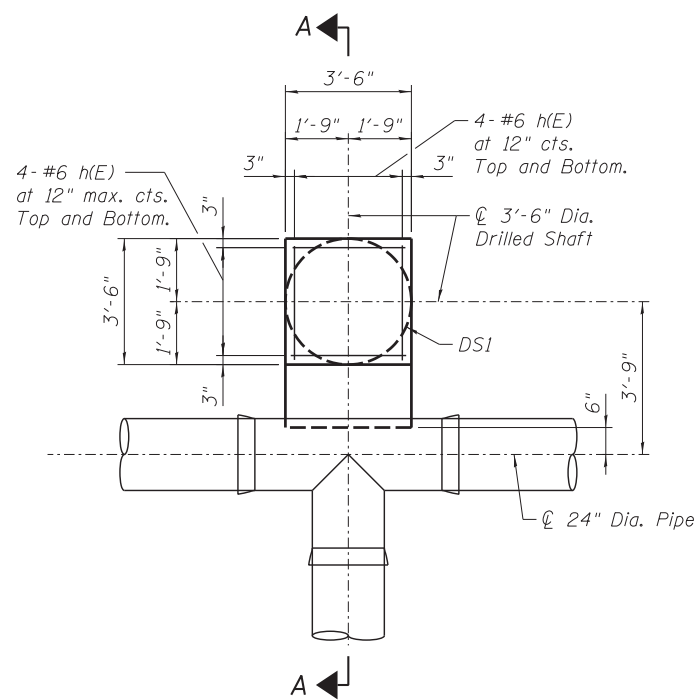
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PLOT DATE = 5/24/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

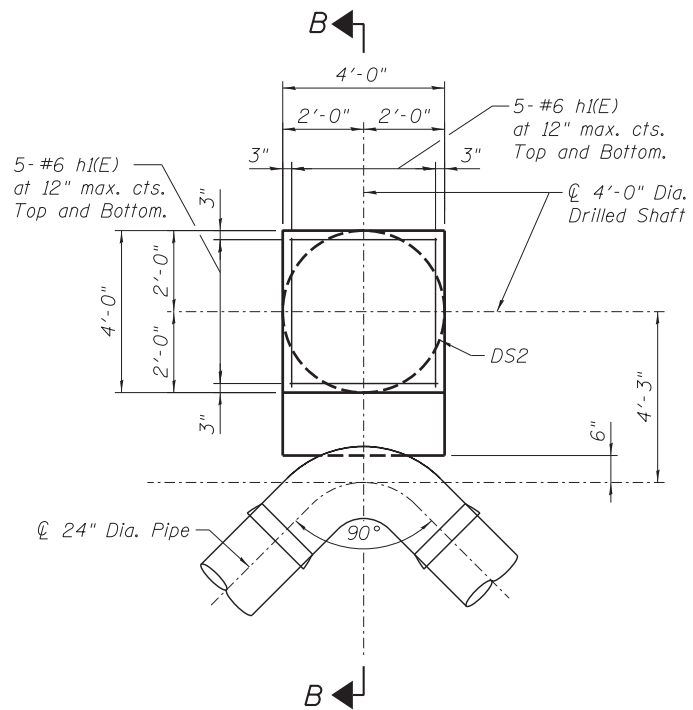
WATER MAIN DETAILS

SCALE SHEET NO. 10 OF 12 SHEETS STA. TO STA.

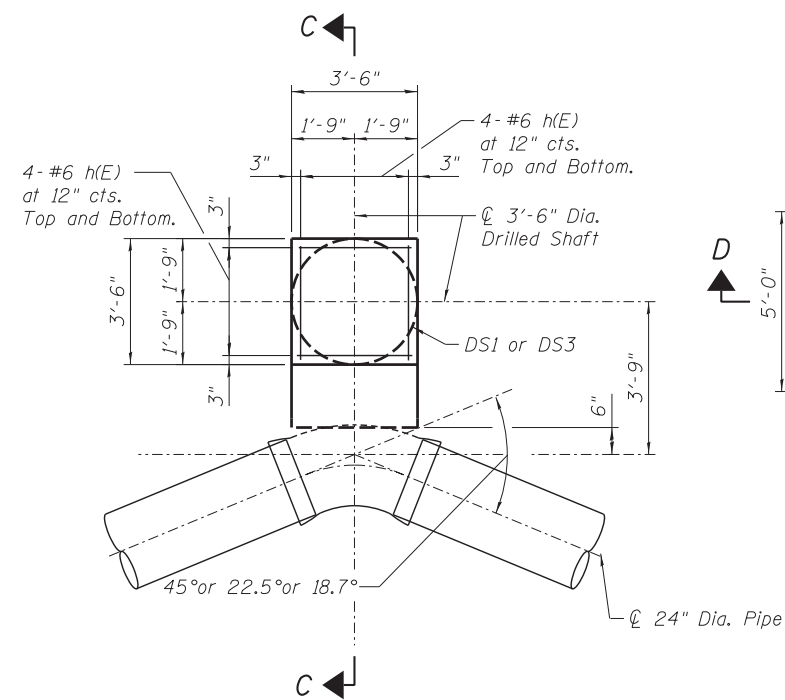
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	222
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



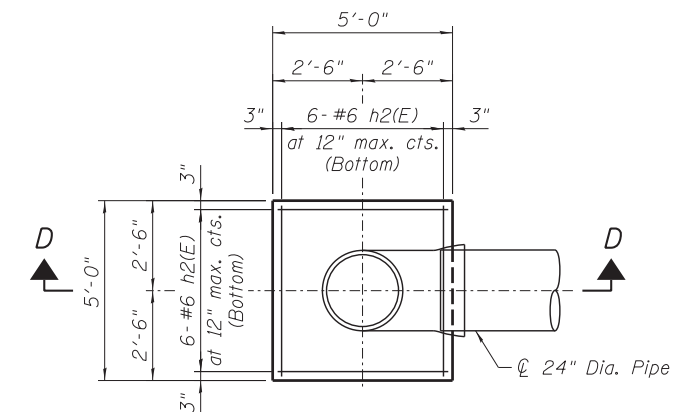
PLAN DETAIL
THRUST RESTRAINT - TYPE 1 (1 THUS)



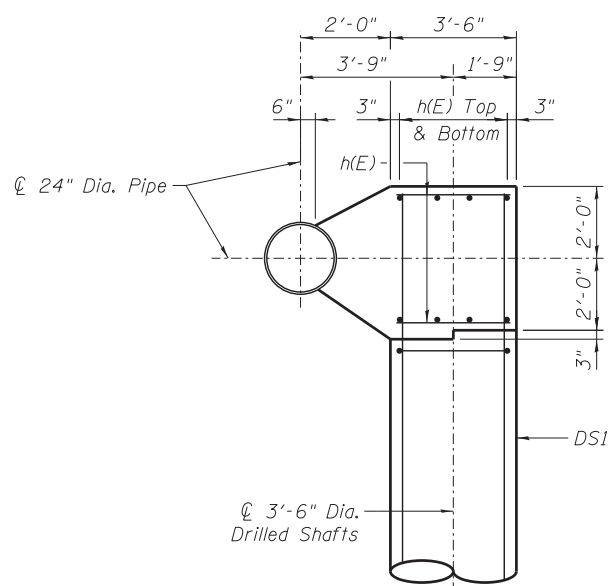
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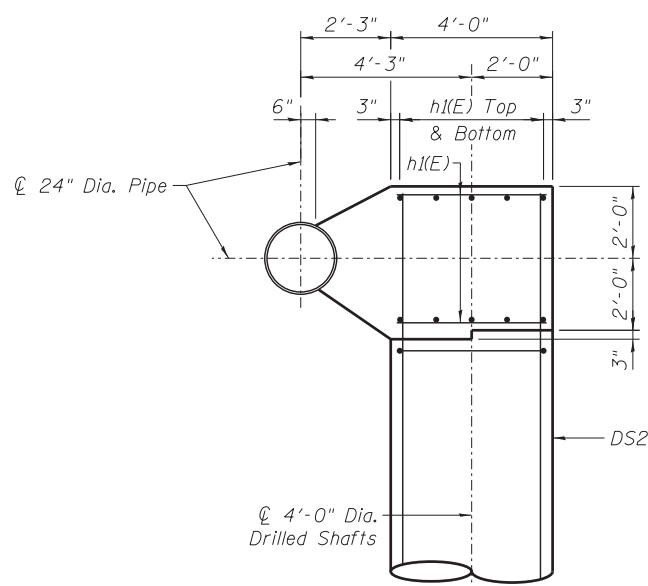
PLAN DETAIL
THRUST RESTRAINT - TYPE 3 (3 THUS)



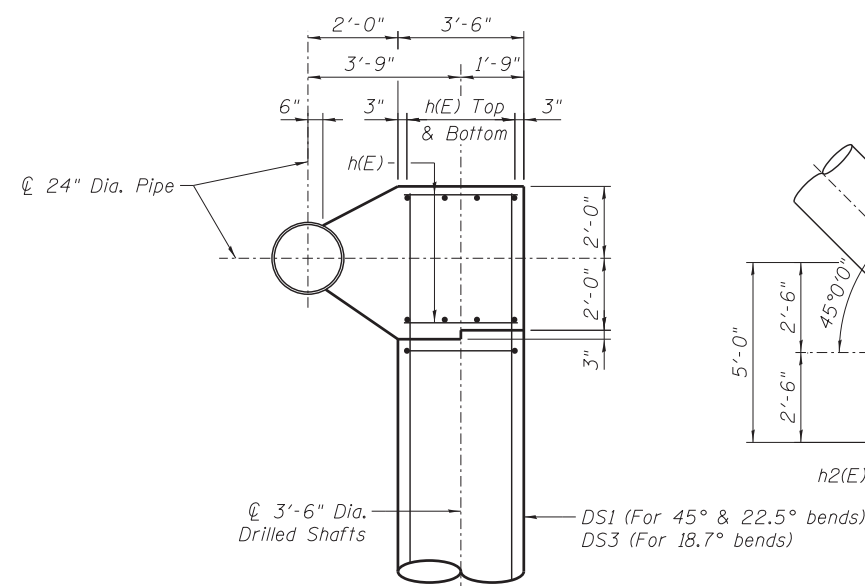
PLAN DETAIL
PIPE SUPPORT - TYPE 4 (1 THUS)



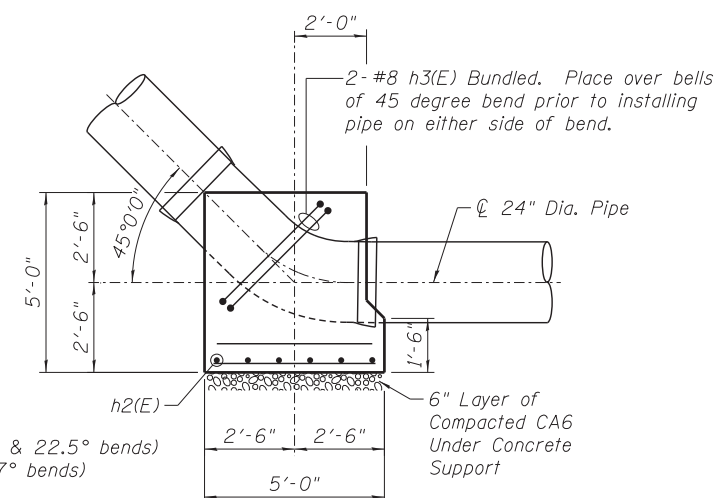
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

NOTES:

1. Work this sheet with Sheet No. 224

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CHECKED - ATB
DATE - 5/26/2015

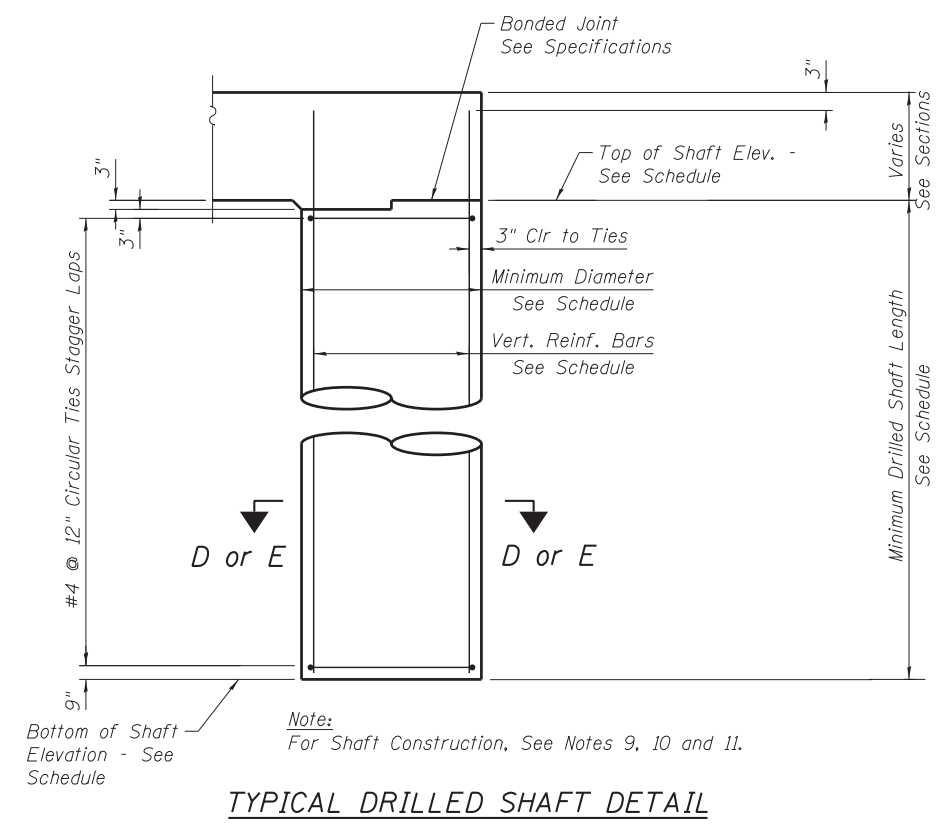
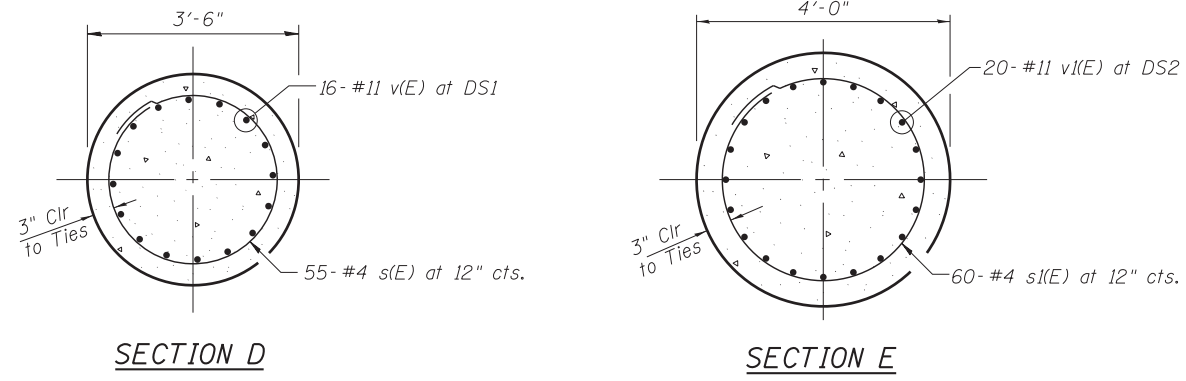
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REVISOR - MRK
REVISOR - ATB
DATE - 5/26/2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN THRUST RESTRAINT DETAILS

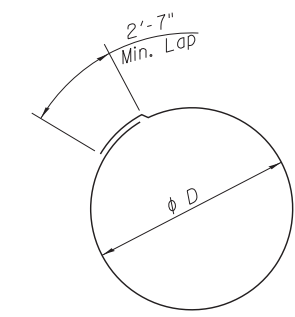
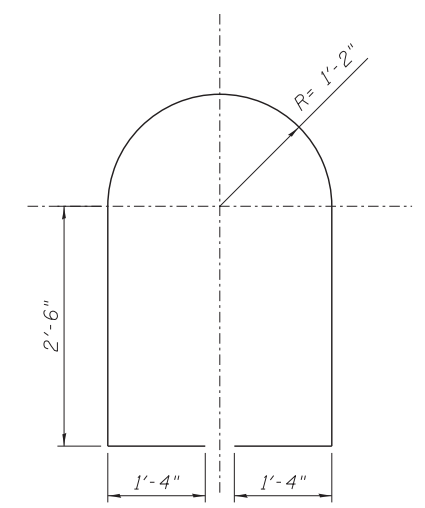
SCALE: SHEET NO. 11 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	223
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



NOTES:

- For water main general notes, location plans, profiles, details and thrust restraint locations and types see Sheet Nos. 213 through 222.
- Exact locations of existing water mains, existing concrete thrust blocks and existing below grade structures and utilities shall be determined in the field prior to excavation for water mains and drilling shafts for new reinforced concrete thrust restraints and pipe supports. Any conflicts with existing structures and utilities due to field conditions encountered that will impact construction shall be brought to the attention of the Engineer, so as not to delay construction, along with detailed locations of conflicting structures and utilities and suggested solutions to resolve the conflict for Engineer review and approval.
- Contractor shall protect existing buried and above ground structures and utilities that are to remain during construction of the water main and thrust restraints. The cost of such protection shall be considered included within the cost of the 24-inch water main relocation pay item.
- New permanent concrete thrust restraints shall have been in place for a minimum of 28 days and shall have achieved a minimum 28 day compressive strength of 4000 psi prior to pressure testing pipe with water.
- Maximum test pressure for water mains = 100 psi.
- Fitting bends shall not be encased in concrete unless otherwise noted on the drawings. Minor adjustments to concrete dimensions and reinforcing bars shown may be required in the field and shall be considered included within the cost of the respective pay item.
- Trench excavation and backfill for thrust restraint shall be considered included within the cost of the 24-inch water main relocation pay item.
- Mechanical reinforcing bar splices, where shown or required, and stainless steel reinforcing bars shall be considered included within the cost of Reinforcement Bars, Epoxy Coated.
- Contractor shall review Geotechnical Report and boring logs in his selection of methods to support the excavation in the various stages of shaft drilling, cleaning and concrete placement dependent on the boring logs and site conditions encountered. Surface water shall not be permitted to enter the hole. The Contractor shall comply with the requirements of the Illinois Department of Transportation (IDOT) and the various infrastructure departments of the City of Chicago, including, but not limited to, the Chicago Department of Transportation (CDOT), the Office of Underground Coordination (OUC) and the Department of Water Management (DWM).
- Concrete Cover:
 - Concrete placed against earth - 3"
 - Concrete in contact with earth - 2"
- The quantities and detailing are based on the estimated elevations shown on the plans. The actual elevations may differ at each shaft and corresponding adjustments shall be made to the drilled shaft and reinforcement quantities and payment limits.
- All work to conform to IDOT Standard Specifications for Road and Bridge Construction, latest edition.
- Work this sheet with Sheet No. 223



BAR	phi D
s(E)	3'-0"
s(E)	3'-6"

THRUST RESTRAINTS BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	64	#6	3'-0"	—
h1(E)	20	#6	3'-6"	—
h2(E)	12	#6	4'-6"	—
h3(E)	2	#8	11'-4"	⊔
v(E)	48	#11	58'-6"	—
v1(E)	56	#11	63'-6"	—
s(E)	225	#4	12'-1"	○
s1(E)	120	#4	13'-7"	○
Item		Unit	Quantity	
Concrete Structures		Cu. Yd.	22	
Reinforcement Bars, Epoxy Coated		Pound	37,260	
Drilled Shaft In Soil		Cu. Yd.	136.1	

SCHEDULE FOR DRILLED SHAFTS IN SOIL

MARK	TOTAL QUANTITY	ELEV. @ WATERMAIN (FEET)	ELEV. TOP OF DRILLED SHAFT (FEET)	ELEV. BOTTOM OF DRILLED SHAFT (FEET)	MINIMUM DRILLED SHAFT LENGTH (FEET)	MINIMUM DRILLED SHAFT DIAMETER (FEET)	VERTICAL REINFORCEMENT BARS AT EACH SHAFT	CIRCULAR TIES AT EACH SHAFT	SECTION	THRUST RESTRAINT TYPE
DS1	3	584.20	582.20	527.20	55'	3'-6"	16- #11 v(E)	55- #4 s(E) at 12"	D	1 & 3
DS2	2	589.36	587.36	527.36	60'	4'-0"	20- #11 v1(E)	60- #4 s1(E) at 12"	E	2
DS3	1	587.34	585.34	525.34	60'	3'-6"	16- #11 v1(E)	60- #4 s(E) at 12"	D	3

LEGEND

DS - Drilled Shaft

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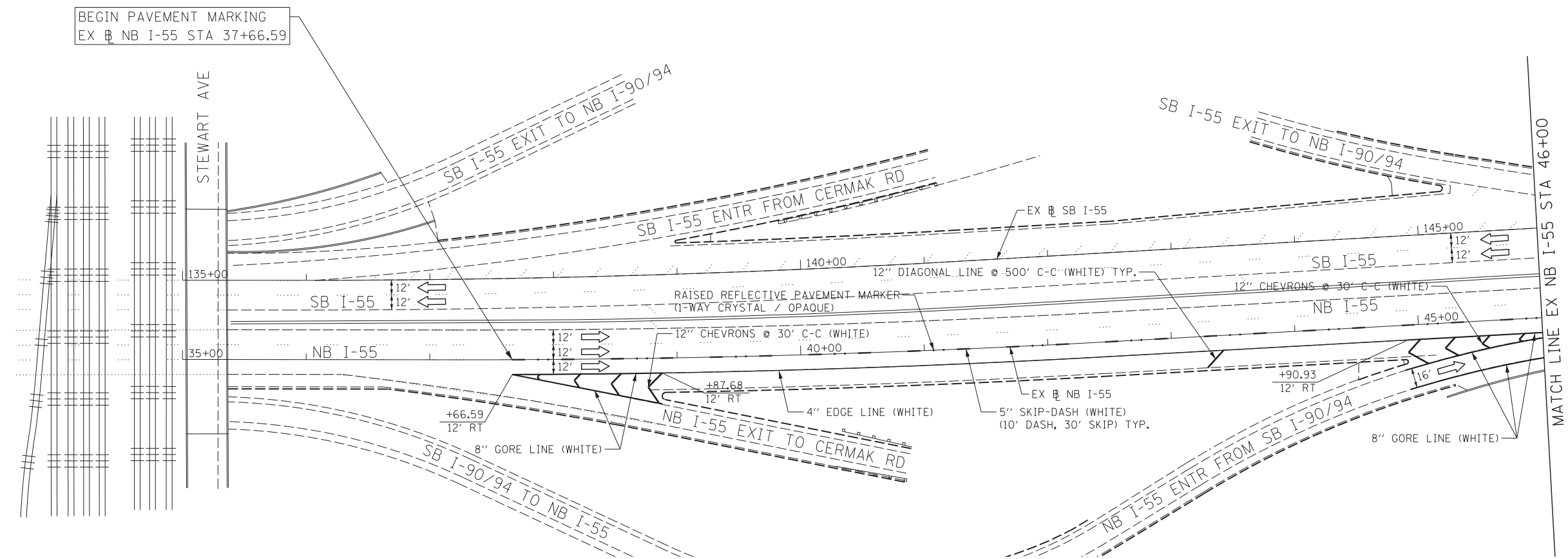
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	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WATER MAIN THRUST RESTRAINT DETAILS

SCALE: SHEET NO. 12 OF 12 SHEETS STA. TO STA.

F.A.I. RTE. 55	SECTION 2013-049B	COUNTY COOK	TOTAL SHEETS 888	SHEET NO. 224
CONTRACT NO. 60X07			ILLINOIS FED. AID PROJECT	



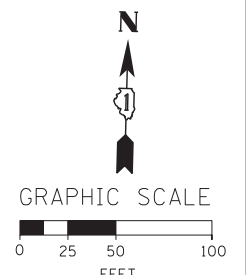
BEGIN PAVEMENT MARKING
EX NB I-55 STA 37+66.59

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.
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6. SEE STRUCTURAL SHEETS FOR PROPOSED BRIDGE LIMITS.

LEGEND

➡ DIRECTION OF TRAFFIC



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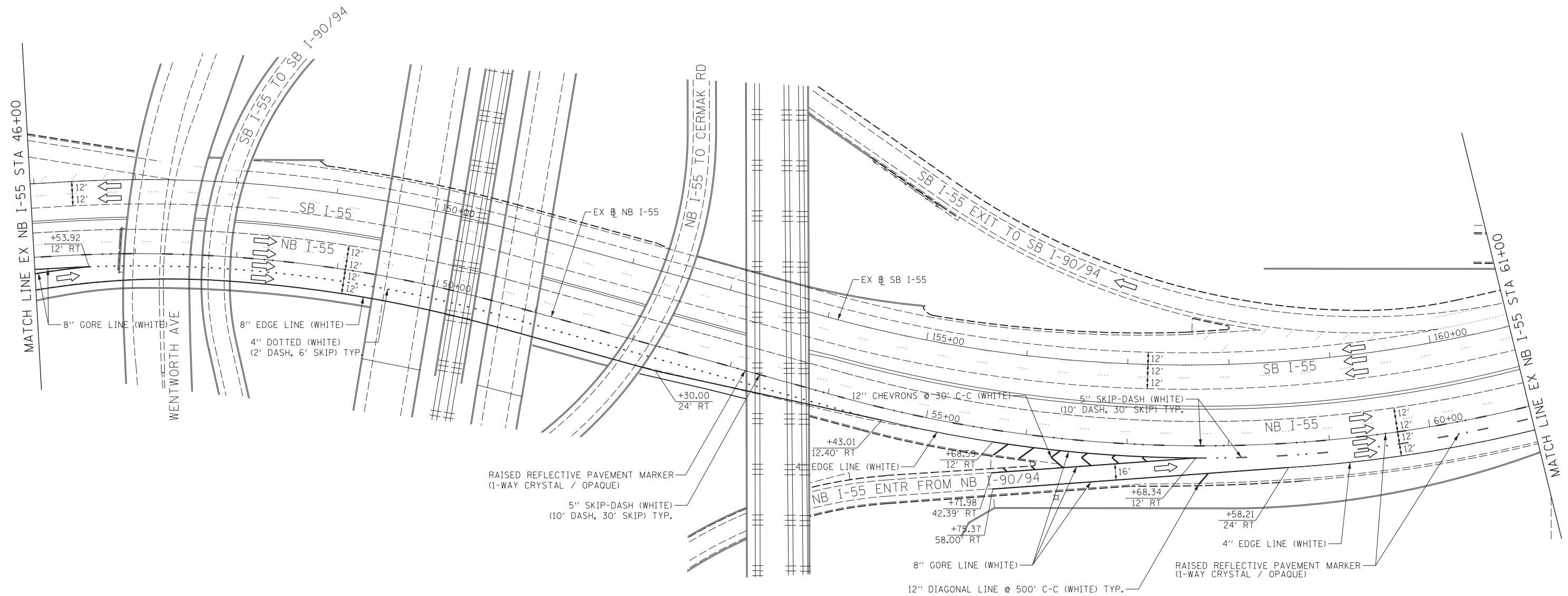
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PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET NO. 1 OF 10 SHEETS STA. 35+00 TO STA. 46+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	225
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

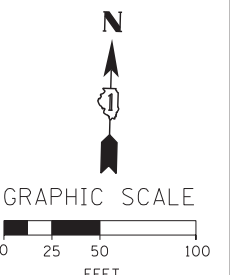


NOTES

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6. SEE STRUCTURAL SHEETS FOR PROPOSED BRIDGE LIMITS.

LEGEND

➔ DIRECTION OF TRAFFIC



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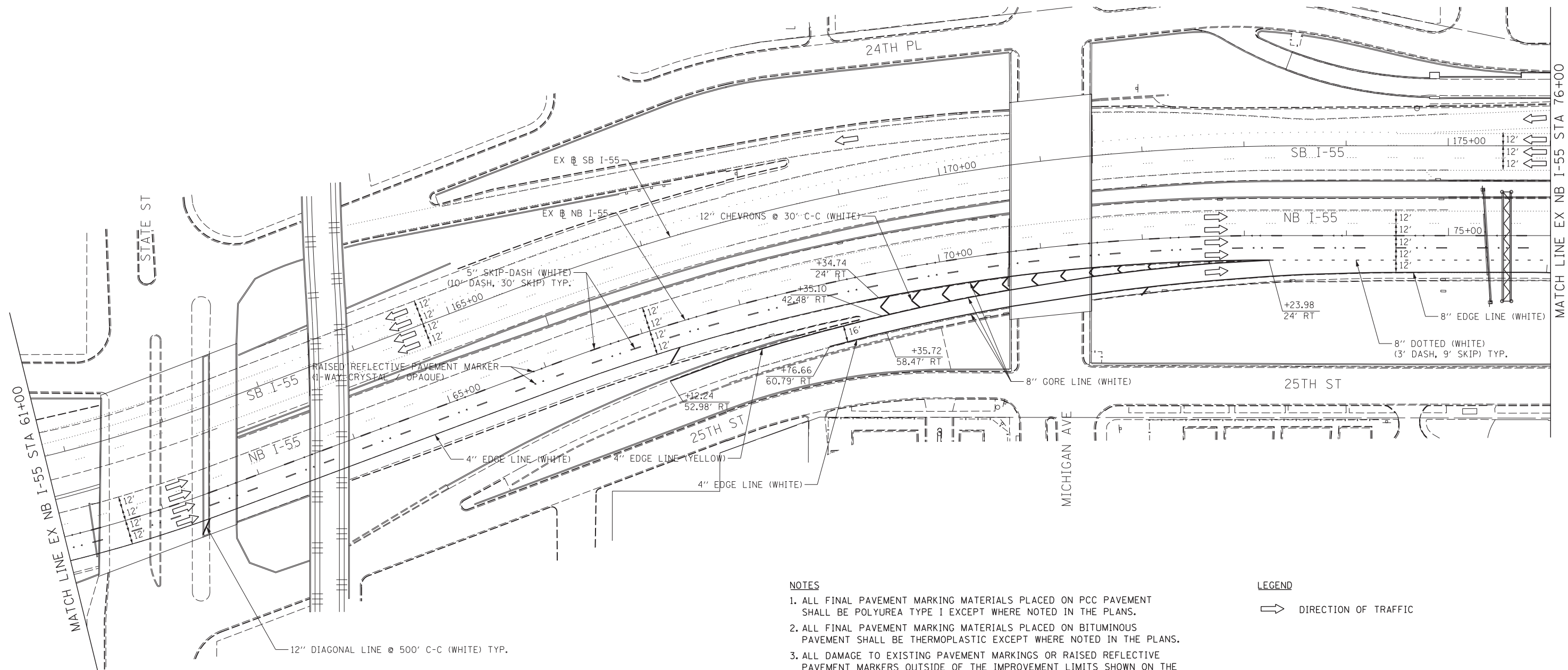
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PLOT DATE = 5/22/2015	CHECKED - MJE	REVISED -
	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET NO. 2 OF 10 SHEETS STA. 46+00 TO STA. 61+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	226
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

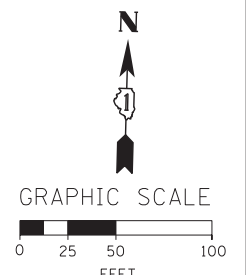


NOTES

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6. SEE STRUCTURAL SHEETS FOR PROPOSED BRIDGE LIMITS.

LEGEND

➔ DIRECTION OF TRAFFIC



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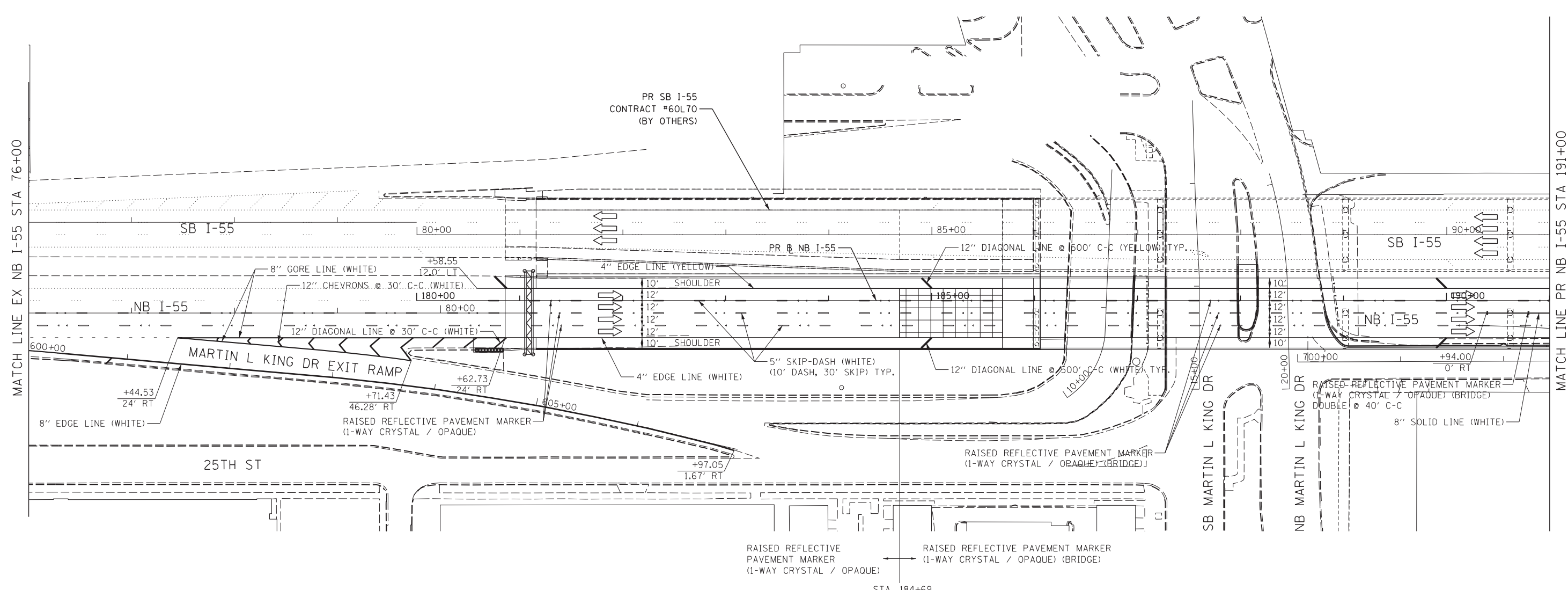
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PLOT DATE = 5/22/2015	CHECKED - MJE	REVISED -
	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET NO. 3 OF 10 SHEETS STA. 61+00 TO STA. 76+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	227
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



NOTES

1. ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON PCC PAVEMENT SHALL BE POLYUREA TYPE I EXCEPT WHERE NOTED IN THE PLANS.
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6. SEE STRUCTURAL SHEETS FOR PROPOSED BRIDGE LIMITS.

LEGEND

➡ DIRECTION OF TRAFFIC

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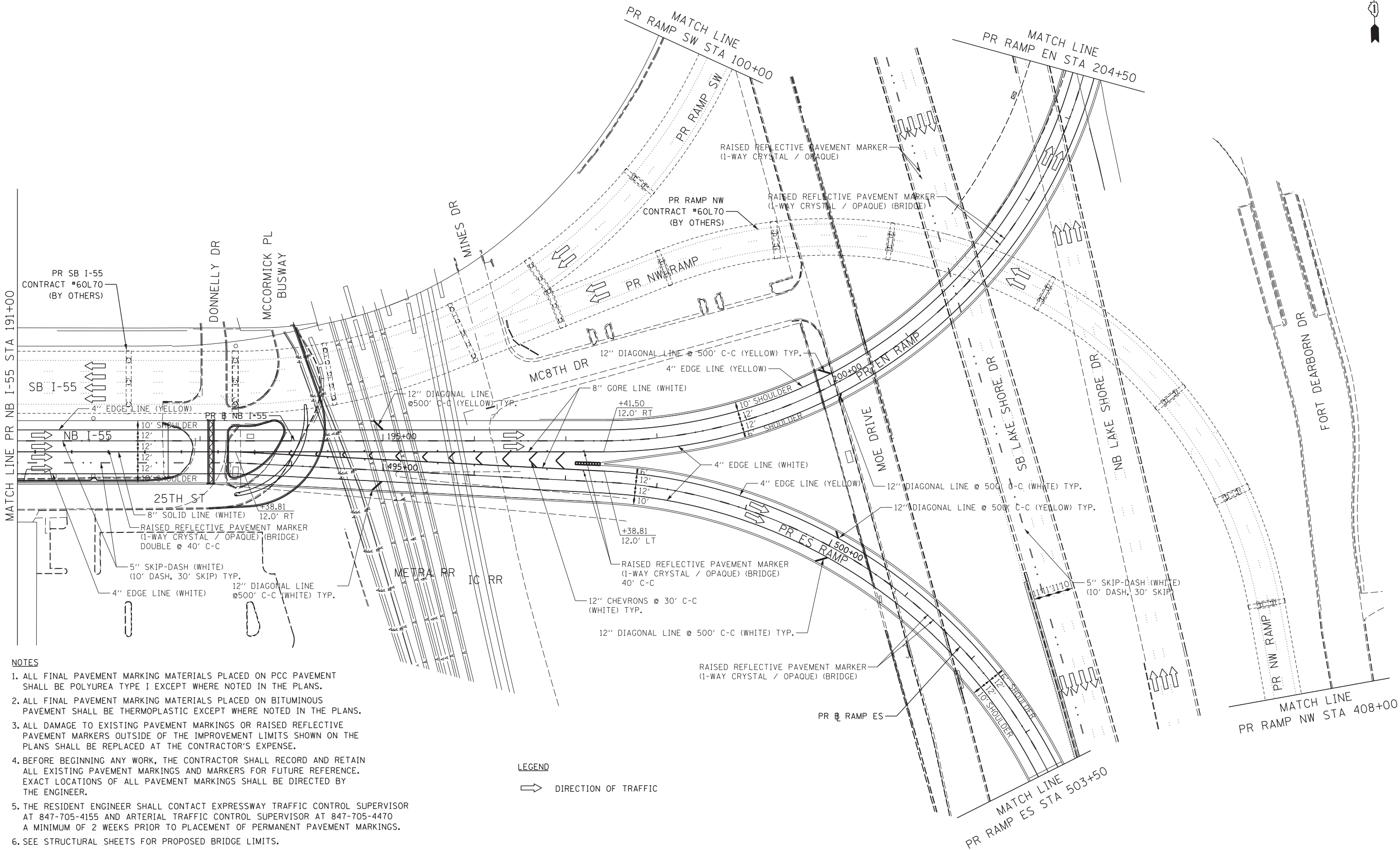
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	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET NO. 4 OF 10 SHEETS STA. 76+00 TO STA. 191+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	228
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



- NOTES**
1. ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON PCC PAVEMENT SHALL BE POLYUREA TYPE I EXCEPT WHERE NOTED IN THE PLANS.
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 6. SEE STRUCTURAL SHEETS FOR PROPOSED BRIDGE LIMITS.

LEGEND
 DIRECTION OF TRAFFIC

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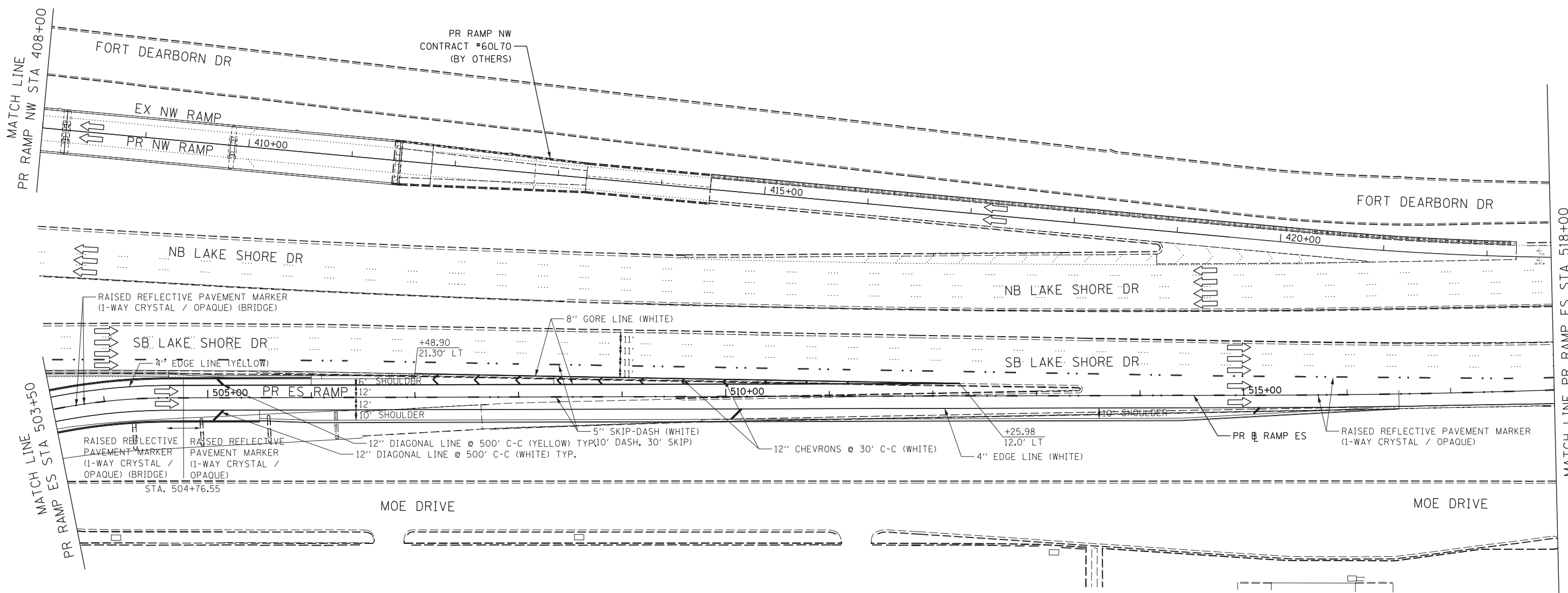


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PLOT DATE = 5/22/2015	CHECKED - MJE	REVISED -
	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN
 SCALE: 1" = 50' SHEET NO. 5 OF 10 SHEETS STA. 191+00 TO STA. 503+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	229
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



NOTES

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6. SEE STRUCTURAL SHEETS FOR PROPOSED BRIDGE LIMITS.

LEGEND

➔ DIRECTION OF TRAFFIC

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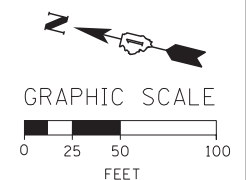
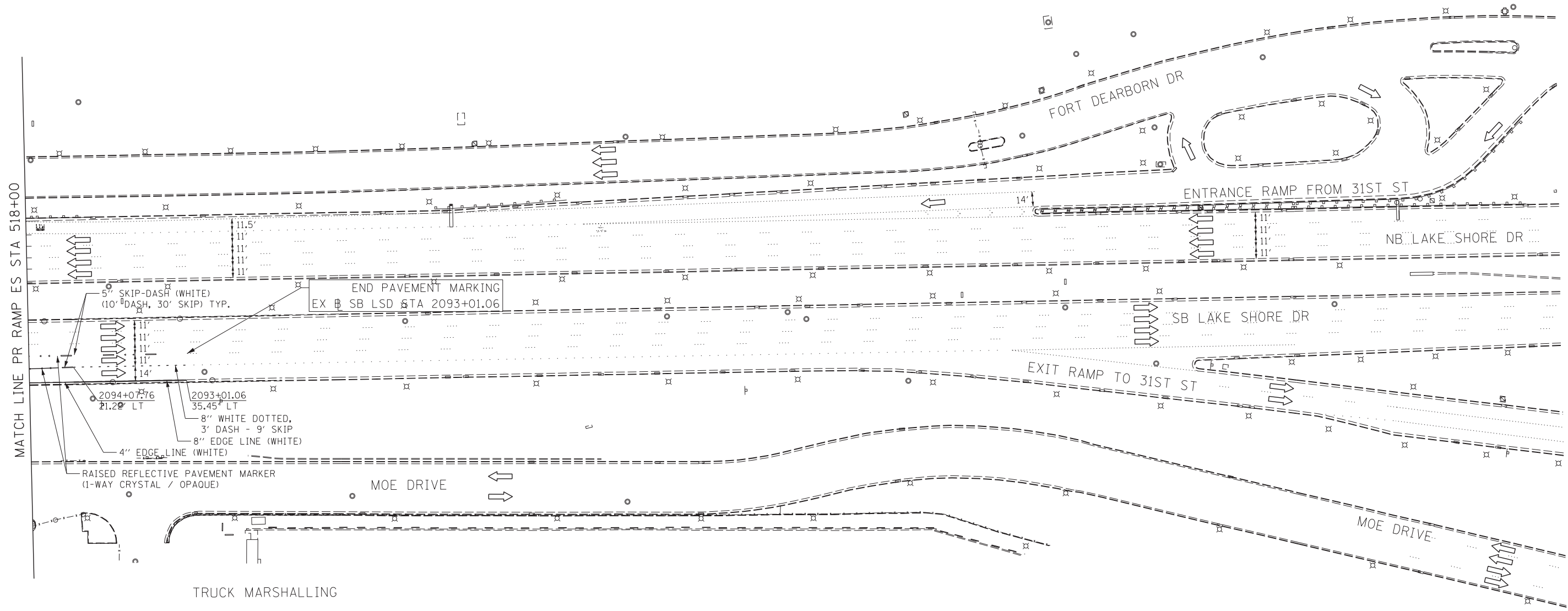
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	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET NO. 6 OF 10 SHEETS STA. 503+50 TO STA. 518+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	230
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



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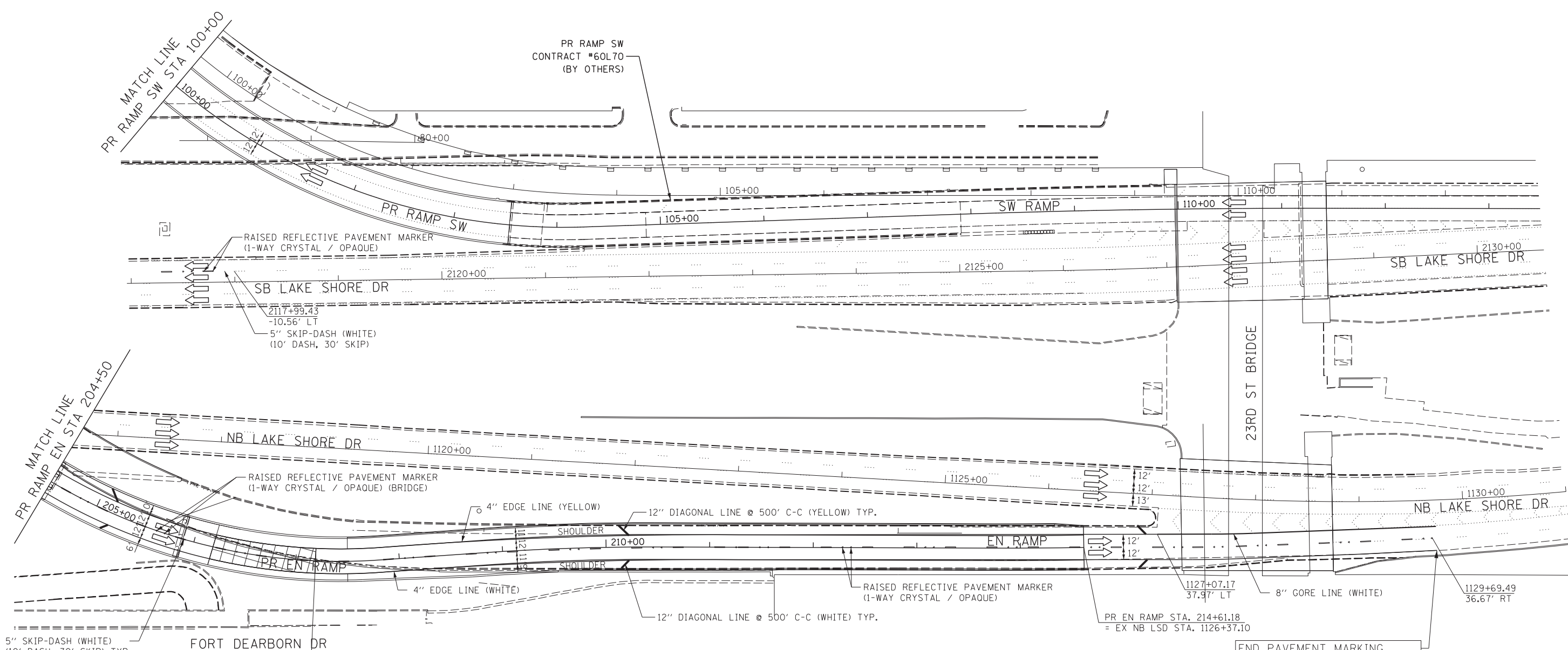
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PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MAKING PLAN

SCALE: 1" = 50' SHEET NO. 7 OF 10 SHEETS STA. 518+00 TO STA. 2080+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	231
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



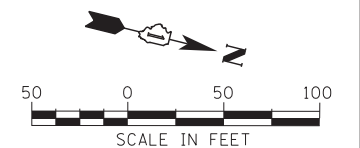
NOTES

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6. SEE STRUCTURAL SHEETS FOR PROPOSED BRIDGE LIMITS.

LEGEND

➔ DIRECTION OF TRAFFIC

END PAVEMENT MARKING
EX NB LSD STA 1129+73.35



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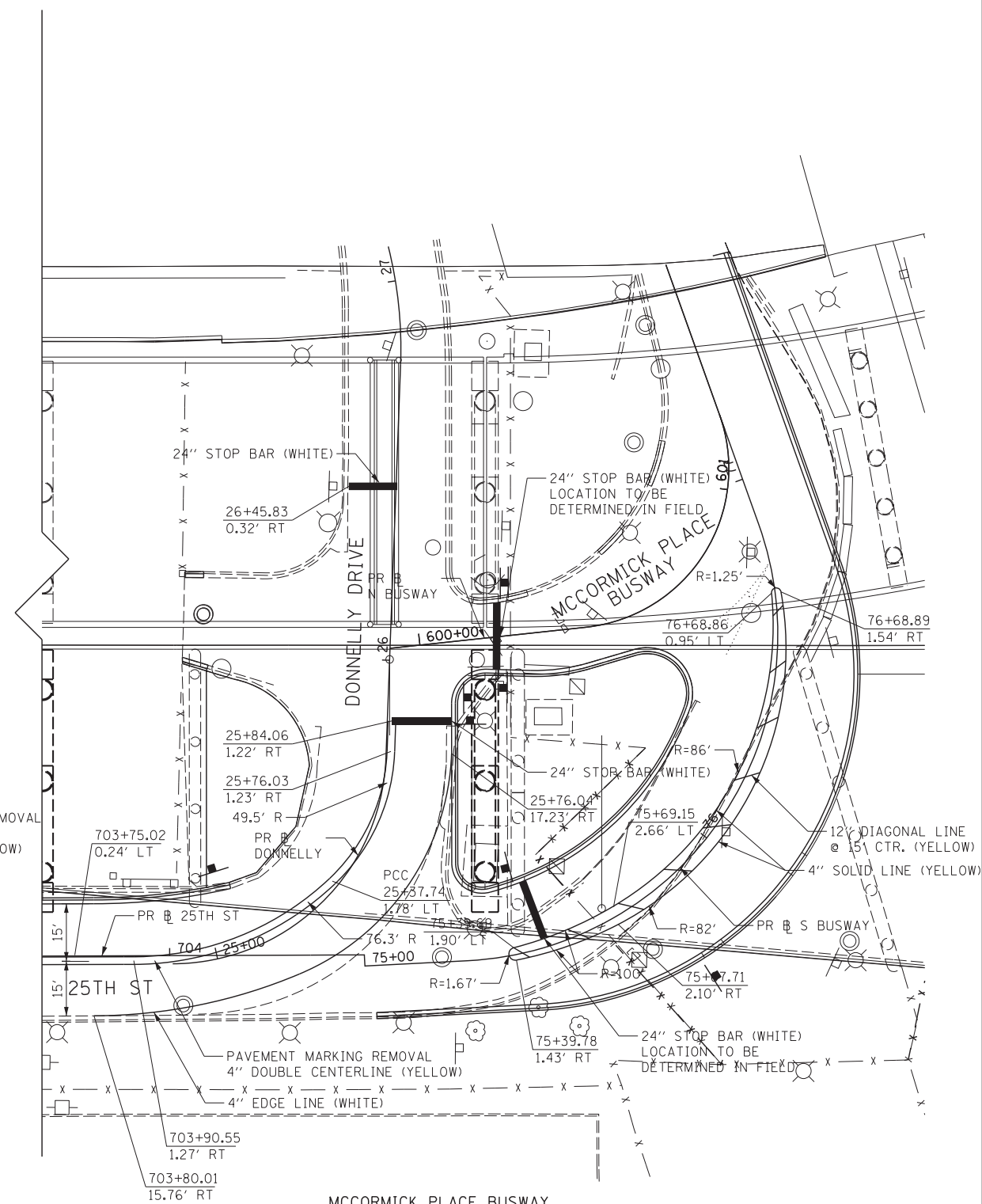
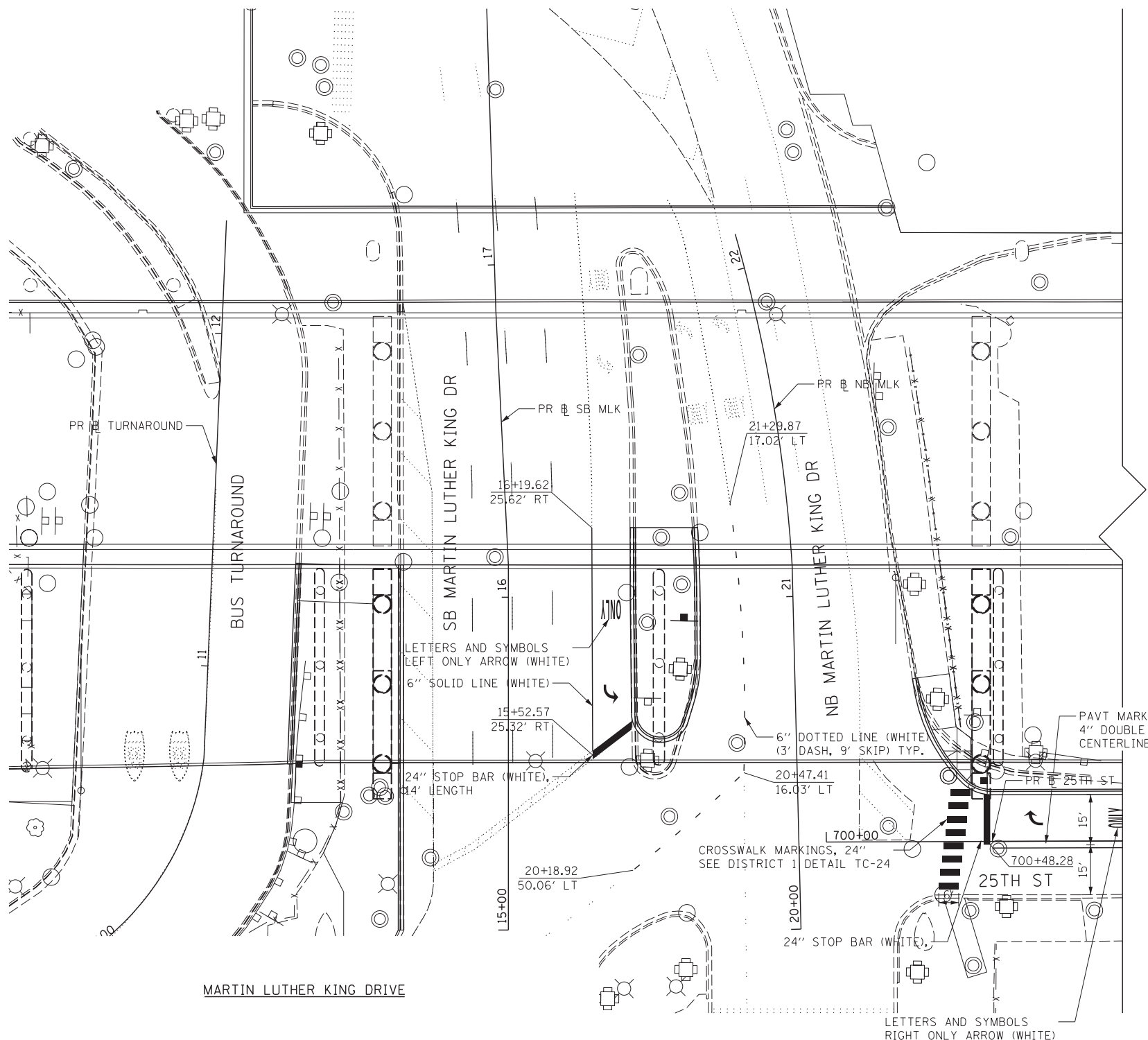
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	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

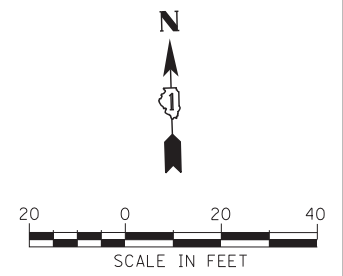
SCALE: 1" = 50' SHEET NO. 8 OF 10 SHEETS STA. 204+50 TO STA. 1129+08.96

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	232
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



- 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.
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.
8. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED ON 25TH STREET PRIOR TO INSTALLATION OF FINAL MARKINGS.



FILE NAME = D:\60X07-Sht-PMK-09.dgn



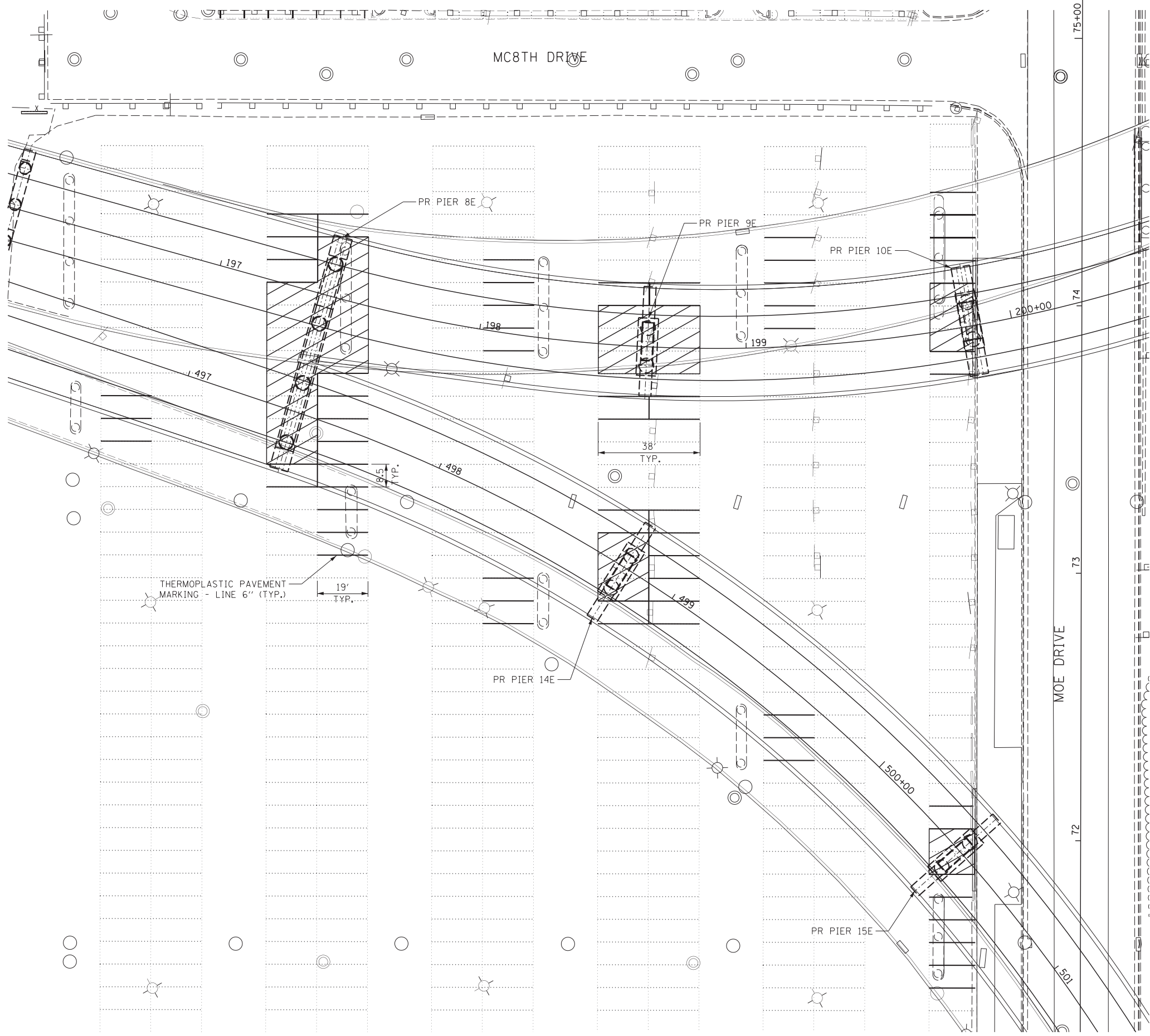
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PLOT SCALE = 20.0000' / in.	DRAWN - BMC	REVISED -
PLOT DATE = 5/24/2015	CHECKED - MJE	REVISED -
	DATE = 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
MARTIN LUTHER KING DRIVE & MCCORMICK PLACE BUSWAY**

F.A.I. RTE. = 55	SECTION = 2013-049B	COUNTY = COOK	TOTAL SHEETS = 888	SHEET NO. = 233
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET NO. 9 OF 10 SHEETS STA. TO STA.

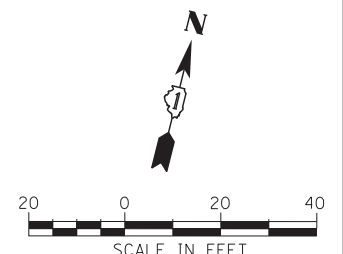


NOTES

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.
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

THERMOPLASTIC PAVEMENT MARKING - LINE 6" (TYP.)



FILE NAME = D:\60X07-Sht-PMK-10.dgn



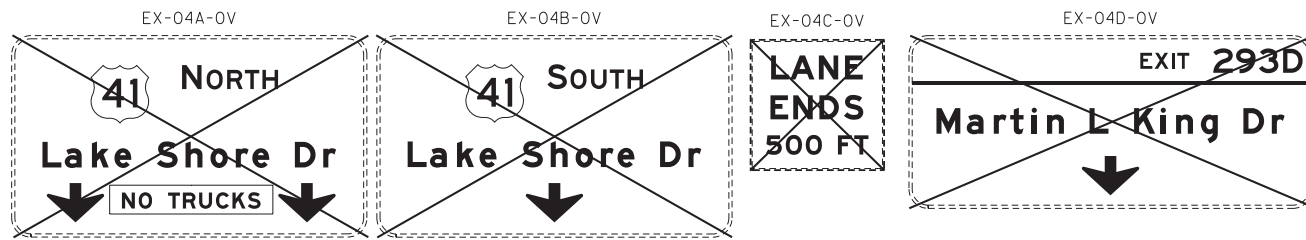
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CHECKED - MJE	REVISOR -	
DATE - 5/26/2015	REVISOR -	

DESIGNED - CRH	REVISED -
DRAWN - BMC	REVISOR -
CHECKED - MJE	REVISOR -
DATE - 5/26/2015	REVISOR -

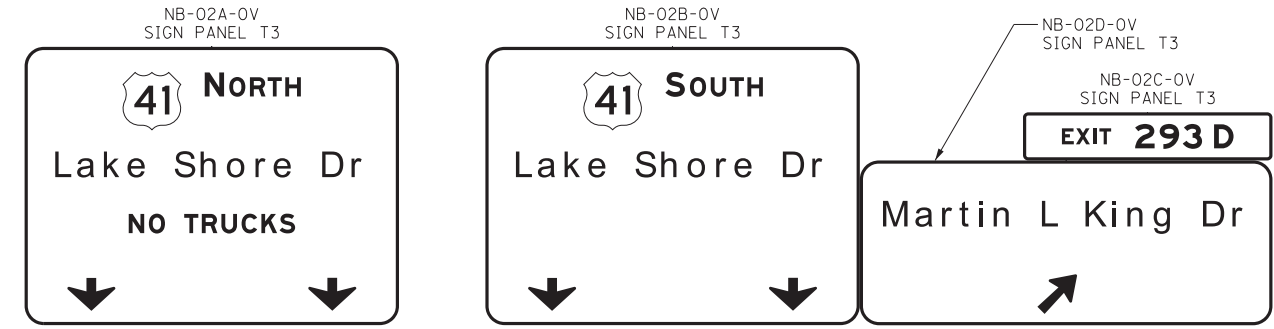
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN	
MCCORMICK PLACE PARKING LOT B	
SCALE: 1" = 20'	SHEET NO. 10 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	234
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



B REMOVE OVERHEAD SIGN STRUCTURE - SPAN
REMOVE CONCRETE FOUNDATION - OVERHEAD
EX NB I-55, STA 75+35.41



C INSTALL SIGN PANELS ON
PROPOSED OVERHEAD SIGN STRUCTURE - SPAN, TYPE II-A
EX NB I-55, STA 75+57.00
SEE SHEETS 247 AND 248 FOR SIGN PANEL DETAILS

LEGEND

- 1 LIGHTING SUPPORT MOUNTED
- 2 GROUND MOUNTED
- 3 SIGN TRUSS SUPPORT MOUNTED
- 4 SIGNAL MOUNTED
- XX OVERHEAD SIGN PANEL LOCATION
- X SIGN TO BE REMOVED

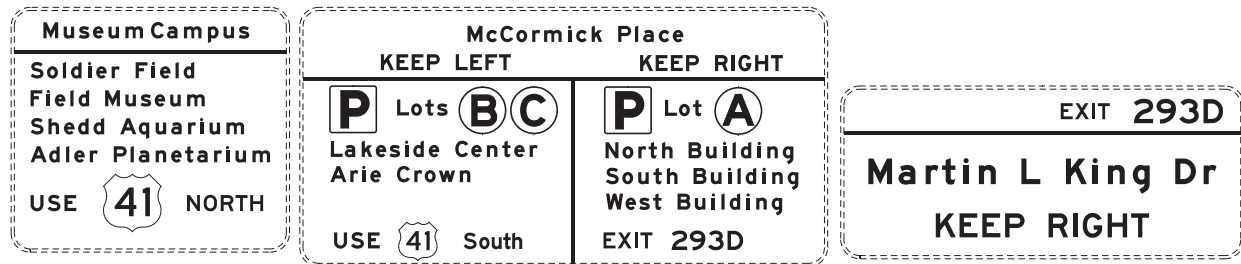
SIGN NUMBERING CODE

DIRECTION OF TRAFFIC	EXAMPLE	MOUNTING TYPE
NB - NORTHBOUND I-55	SB-01-LP	LP - LIGHT POLE BANDING
ES - RAMP ES		BM - BRIDGE MOUNTED
EN - RAMP EN		BP - BRIDGE PIER MOUNTED
TR - I-55 TURNAROUND		GM - GROUND MOUNTED
MLK - MARTIN LUTHER KING DRIVE		FM - FENCE MOUNTED
BUS - MCCORMICK PLACE BUSWAY		WP - WOOD POST
25 - 25TH STREET		MP - METAL POST
SB - SOUTHBOUND LAKE SHORE DRIVE		OV - OVERHEAD
ER - EXIT RAMP		PM - POST MOUNTED ON STRUCTURE
DON - DONNELLY ROAD		ST - SIGN TRUSS MOUNTED
EX - EXISTING HIGHWAY		TS - TELESCOPING STEEL SIGN SUPPORT
EXL - EXISTING LOCAL ROAD		SM - SIGNAL MOUNTED
	SIGN PANEL NUMBER	

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. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT OF ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AND THE EXPRESSWAYS TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK ON OVERHEAD SIGNS AND OVERHEAD SIGN STRUCTURES.

EXISTING OVERHEAD SIGNS TO REMAIN



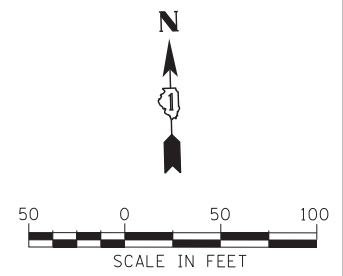
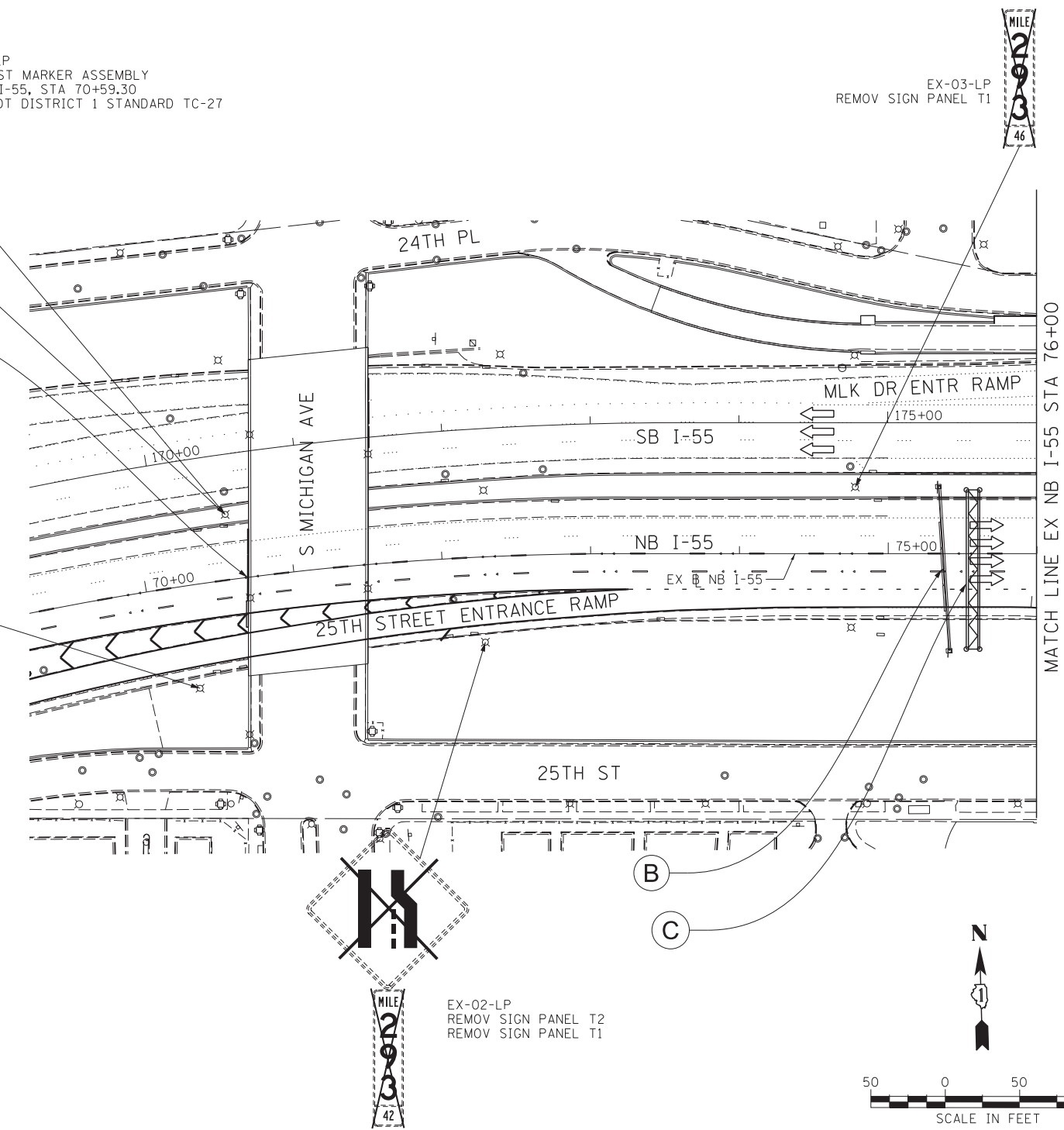
A BRIDGE MOUNTED
EX NB I-55, STA. 70+68.69

EX-01-LP
REMOV SIGN PANEL T1

NB-01-LP
MILEPOST MARKER ASSEMBLY
EX NB I-55, STA 70+59.30
SEE IDOT DISTRICT 1 STANDARD TC-27

EX-03-LP
REMOV SIGN PANEL T1

EXISTING
DO NOT
DRIVE ON
SHOULDER



FILE NAME = D:\60X07-Sht-Sign-01.dgn



USER NAME = augeungh	DESIGNED - CRH	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - NSA	REVISED -
PLOT DATE = 5/22/2015	CHECKED - MJE	REVISED -
	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

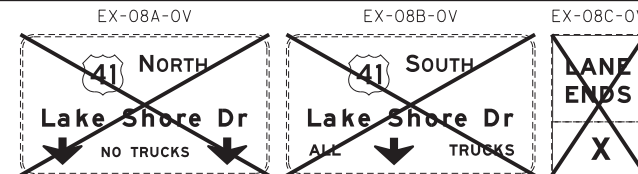
SIGNING PLAN
NB I-55

SCALE: 1" = 50' SHEET NO. 1 OF 8 SHEETS STA. 69+20 TO STA. 76+00

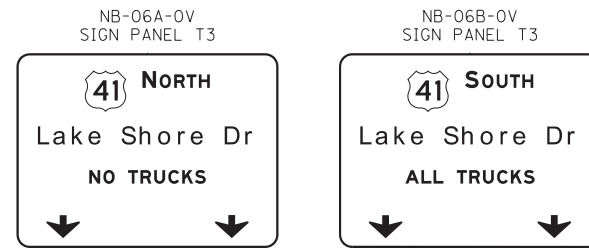
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	235
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

SIGNING NOTES

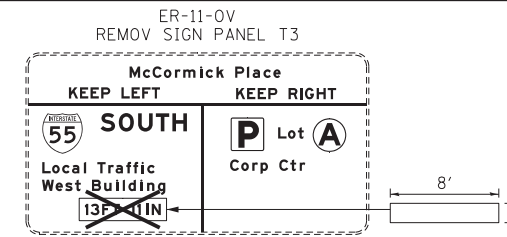
- SEE SIGN SCHEDULE FOR SIGN PANEL AND MOUNTING INFORMATION.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING SIGN INFORMATION FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL SIGNS SHALL BE DIRECTED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT OF ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AND THE EXPRESSWAYS TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK ON OVERHEAD SIGNS AND OVERHEAD SIGN STRUCTURES.



F REMOVE OVERHEAD SIGN STRUCTURE - SPAN
REMOVE CONCRETE FOUNDATION - OVERHEAD
PR NB I-55, STA 181+31.03



G INSTALL SIGN PANELS ON PROPOSED OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A
PR NB I-55, STA 181+09.00
SEE SHEET 247 FOR PANEL DETAILS



H EXISTING SIGN PANEL TO REMAIN ON EXISTING CANTILEVER STRUCTURE
SIGN PANEL OVERLAY TO CONCEAL "13FT 11IN" SIGN TEXT
PR NB I-55, STA 184+11.53

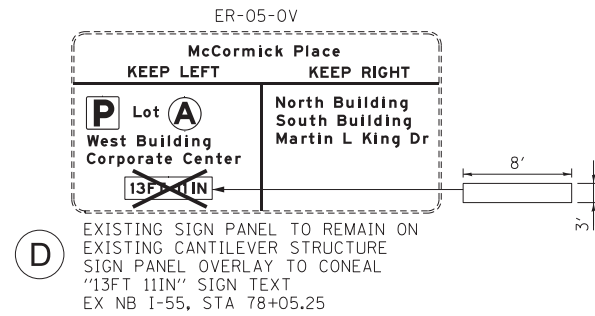
LEGEND

- 1 LIGHTING SUPPORT MOUNTED
- 2 GROUND MOUNTED
- 3 SIGN TRUSS SUPPORT MOUNTED
- 4 SIGNAL MOUNTED
- XX OVERHEAD SIGN PANEL LOCATION
- X SIGN TO BE REMOVED

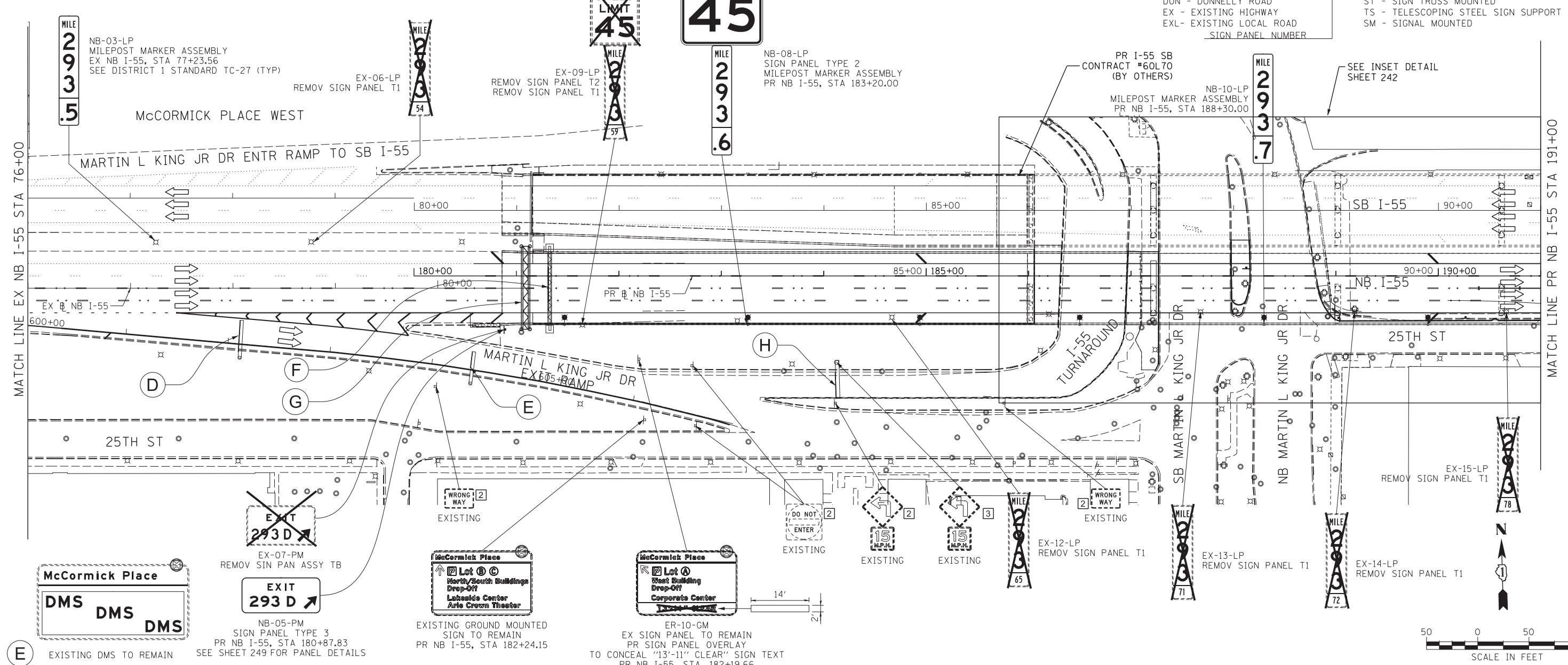
SIGN NUMBERING CODE

EXAMPLE

DIRECTION OF TRAFFIC	SB-01-LP	MOUNTING TYPE
NB - NORTHBOUND I-55		LP - LIGHT POLE BANDING
ES - RAMP ES		BM - BRIDGE MOUNTED
EN - RAMP EN		BP - BRIDGE PIER MOUNTED
TR - I-55 TURNAROUND		GM - GROUND MOUNTED
MLK- MARTIN LUTHER KING DRIVE		FM - FENCE MOUNTED
BUS- MCCORMICK PLACE BUSWAY		WP - WOOD POST
25 - 25TH STREET		MP - METAL POST
SB - SOUTHBOUND LAKE SHORE DRIVE		OV - OVERHEAD
ER - EXIT RAMP		PM - POST MOUNTED ON STRUCTURE
DON - DONNELLY ROAD		ST - SIGN TRUSS MOUNTED
EX - EXISTING HIGHWAY		TS - TELESCOPING STEEL SIGN SUPPORT
EXL- EXISTING LOCAL ROAD		SM - SIGNAL MOUNTED
		SIGN PANEL NUMBER



D EXISTING SIGN PANEL TO REMAIN ON EXISTING CANTILEVER STRUCTURE
SIGN PANEL OVERLAY TO CONCEAL "13FT 11IN" SIGN TEXT
EX NB I-55, STA 78+05.25



E EXISTING DMS TO REMAIN
NB-05-PM SIGN PANEL TYPE 3
PR NB I-55, STA 180+87.83
SEE SHEET 249 FOR PANEL DETAILS



H EXISTING SIGN PANEL TO REMAIN
PR SIGN PANEL OVERLAY TO CONCEAL "13'-11" CLEAR" SIGN TEXT
PR NB I-55, STA. 182+19.66



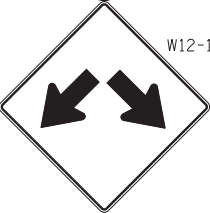
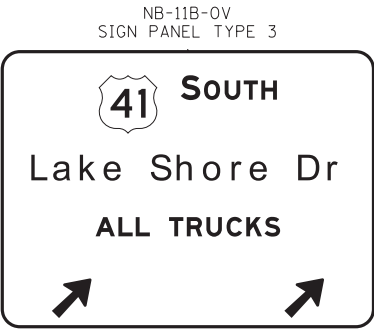
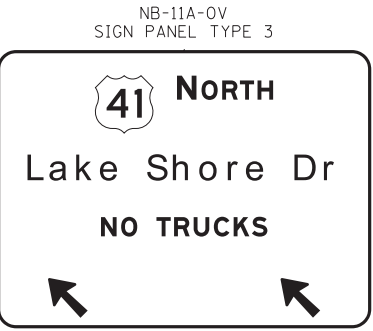
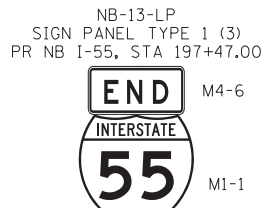
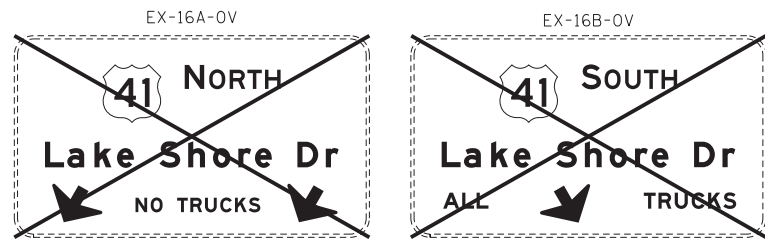
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PLOT SCALE = 50.0000' / in.	DRAWN - NSA	REVISED -
PLOT DATE = 5/22/2015	CHECKED - MJE	REVISED -
	DATE = 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
NB I-55

SCALE: 1" = 50' SHEET NO. 2 OF 8 SHEETS STA. 76+00 TO STA. 191+00

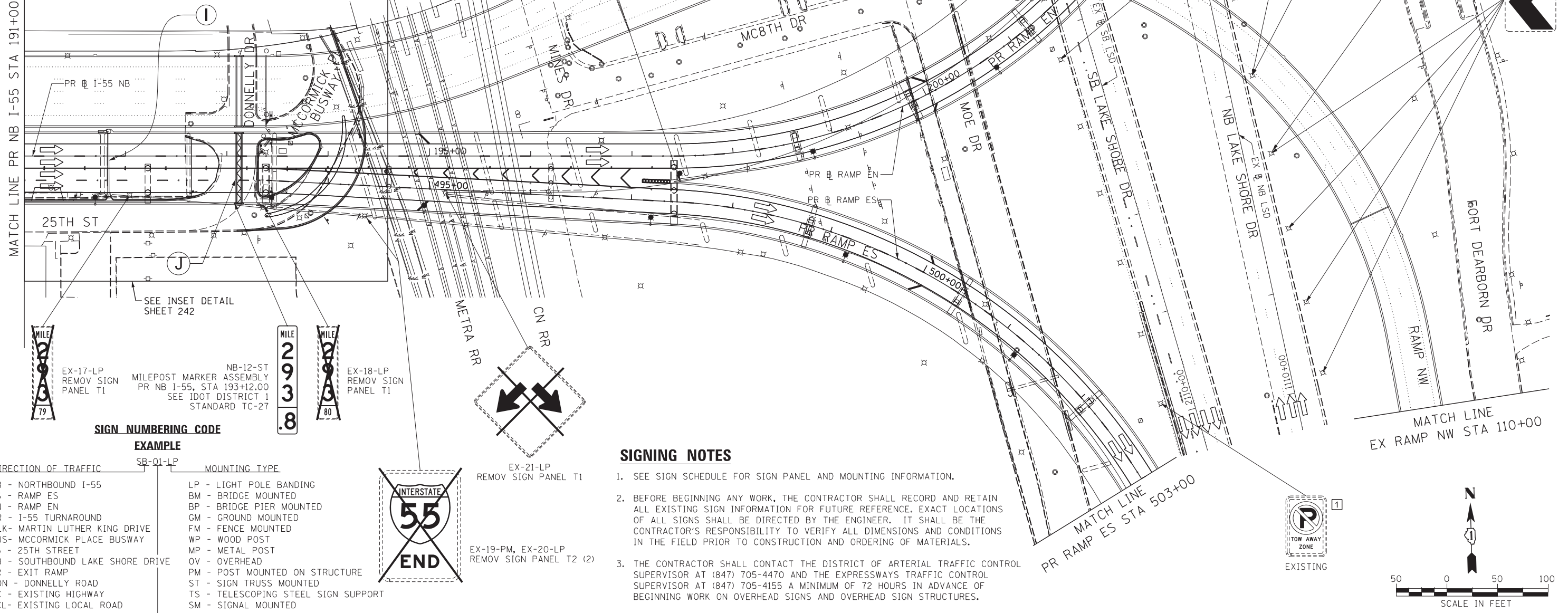
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	236
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- 1 LIGHTING SUPPORT MOUNTED
 - 2 GROUND MOUNTED
 - 3 SIGN TRUSS SUPPORT MOUNTED
 - 4 SIGNAL MOUNTED
 - XX OVERHEAD SIGN PANEL LOCATION
 - X SIGN TO BE REMOVED

I REMOVE OVERHEAD SIGN STRUCTURE - SPAN
PR NB I-55, STA 191+83.53

J INSTALL SIGN PANELS ON OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A
PR NB I-55, STA 193+12.00
SEE SHEET 251 FOR SIGN PANEL DETAILS



EX-17-LP REMOVE SIGN PANEL T1
NB-12-ST MILEPOST MARKER ASSEMBLY
PR NB I-55, STA 193+12.00
SEE IDOT DISTRICT 1 STANDARD TC-27

EX-18-LP REMOVE SIGN PANEL T1

EX-21-LP REMOVE SIGN PANEL T1

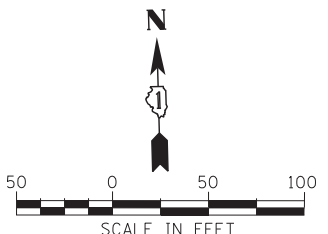
EX-19-PM, EX-20-LP REMOVE SIGN PANEL T2 (2)

SIGN NUMBERING CODE

DIRECTION OF TRAFFIC	SB-01-LP	MOUNTING TYPE
NB - NORTHBOUND I-55	LP - LIGHT POLE BANDING	BM - BRIDGE MOUNTED
ES - RAMP ES	BP - BRIDGE PIER MOUNTED	GM - GROUND MOUNTED
EN - RAMP EN	FM - FENCE MOUNTED	WP - WOOD POST
TR - I-55 TURNAROUND	MP - METAL POST	OV - OVERHEAD
MLK - MARTIN LUTHER KING DRIVE	PM - POST MOUNTED ON STRUCTURE	ST - SIGN TRUSS MOUNTED
BUS - MCCORMICK PLACE BUSWAY	SM - SIGNAL MOUNTED	
25 - 25TH STREET		
SB - SOUTHBOUND LAKE SHORE DRIVE		
ER - EXIT RAMP		
DON - DONNELLY ROAD		
EX - EXISTING HIGHWAY		
EXL - EXISTING LOCAL ROAD		

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. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT OF ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AND THE EXPRESSWAYS TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK ON OVERHEAD SIGNS AND OVERHEAD SIGN STRUCTURES.



FILE NAME = D:\60X07-Sht-Sign-03.dgn



USER NAME = ayeungh	DESIGNED - CRH	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - NSA	REVISED -
PLOT DATE = 5/22/2015	CHECKED - MJE	REVISED -
	DATE = 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN NB I-55	
SCALE: 1" = 50'	SHEET NO. 3 OF 8 SHEETS
STA. 191+00	TO STA. 204+50

F.A.I. RTE. 55	SECTION 2013-049B	COUNTY COOK	TOTAL SHEETS 888	SHEET NO. 237
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

SIGN NUMBERING CODE

EXAMPLE

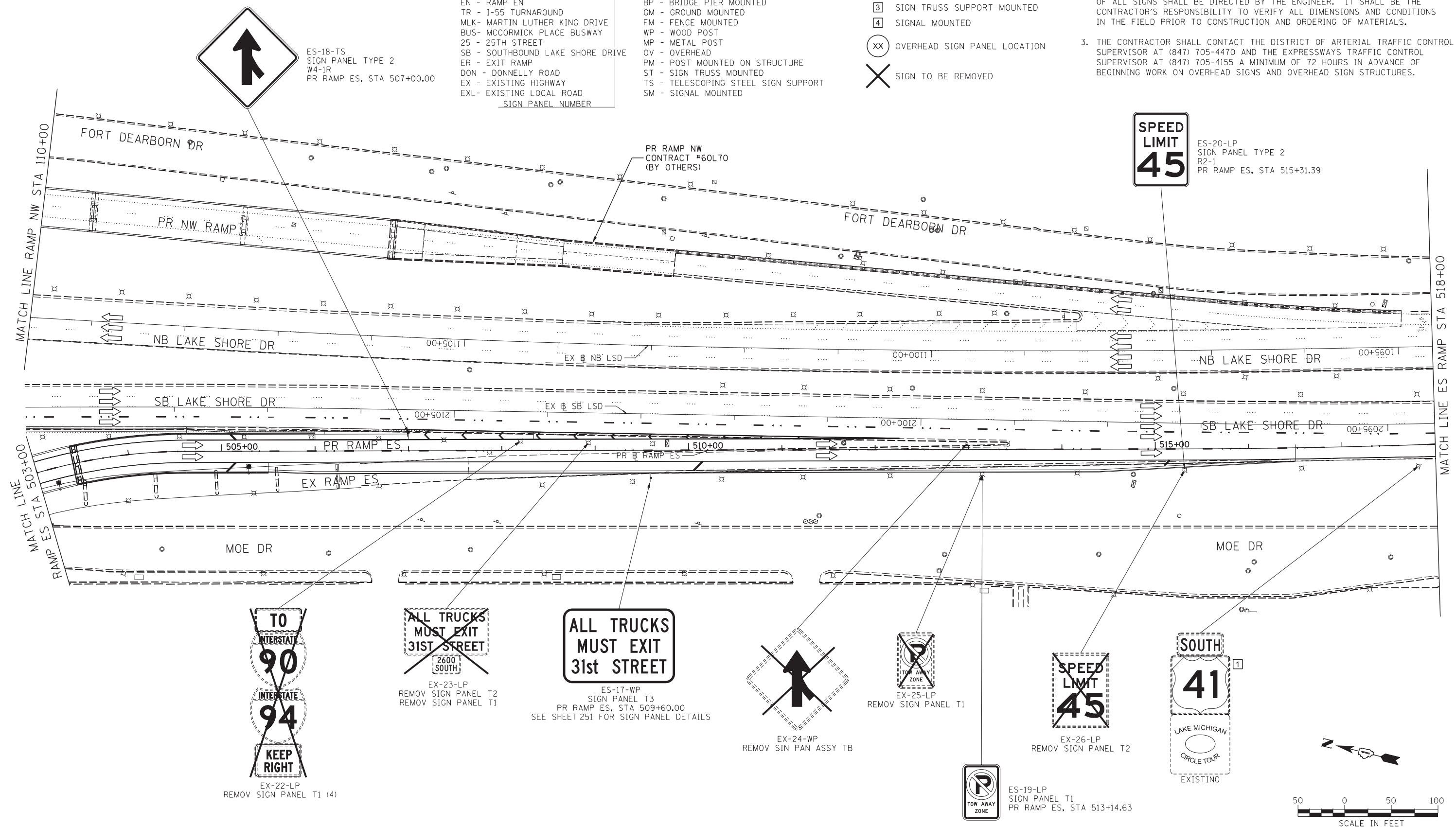
DIRECTION OF TRAFFIC	SB-01-LP	MOUNTING TYPE
NB - NORTHBOUND I-55		LP - LIGHT POLE BANDING
ES - RAMP ES		BM - BRIDGE MOUNTED
EN - RAMP EN		BP - BRIDGE PIER MOUNTED
TR - I-55 TURNAROUND		GM - GROUND MOUNTED
MLK - MARTIN LUTHER KING DRIVE		FM - FENCE MOUNTED
BUS - MCCORMICK PLACE BUSWAY		WP - WOOD POST
25 - 25TH STREET		MP - METAL POST
SB - SOUTHBOUND LAKE SHORE DRIVE		OV - OVERHEAD
ER - EXIT RAMP		PM - POST MOUNTED ON STRUCTURE
DON - DONNELLY ROAD		ST - SIGN TRUSS MOUNTED
EX - EXISTING HIGHWAY		TS - TELESCOPING STEEL SIGN SUPPORT
EXL - EXISTING LOCAL ROAD		SM - SIGNAL MOUNTED

LEGEND

- 1 LIGHTING SUPPORT MOUNTED
- 2 GROUND MOUNTED
- 3 SIGN TRUSS SUPPORT MOUNTED
- 4 SIGNAL MOUNTED
- XX OVERHEAD SIGN PANEL LOCATION
- X SIGN TO BE REMOVED

SIGNING NOTES

- SEE SIGN SCHEDULE FOR SIGN PANEL AND MOUNTING INFORMATION.
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- THE CONTRACTOR SHALL CONTACT THE DISTRICT OF ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AND THE EXPRESSWAYS TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK ON OVERHEAD SIGNS AND OVERHEAD SIGN STRUCTURES.



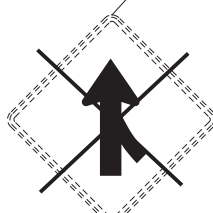
EX-22-LP
REMOV SIGN PANEL T1 (4)



EX-23-LP
REMOV SIGN PANEL T2
REMOV SIGN PANEL T1



ES-17-WP
SIGN PANEL T3
PR RAMP ES, STA 509+60.00
SEE SHEET 251 FOR SIGN PANEL DETAILS



EX-24-WP
REMOV SIN PAN ASSY TB



EX-25-LP
REMOV SIGN PANEL T1



EX-26-LP
REMOV SIGN PANEL T2



ES-19-LP
SIGN PANEL T1
PR RAMP ES, STA 513+14.63



FILE NAME = D:\60X07-Sht-Sign-04.dgn



USER NAME = augeungh	DESIGNED - CRH	REVISED -
	DRAWN - NSA	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
RAMP ES**

SCALE: 1" = 50' SHEET NO. 4 OF 8 SHEETS STA. 503+00 TO STA. 518+00

F.A.I. RTE. 55	SECTION 2013-049B	COUNTY COOK	TOTAL SHEETS 888	SHEET NO. 238
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

LEGEND

- 1 LIGHTING SUPPORT MOUNTED
- 2 GROUND MOUNTED
- 3 SIGN TRUSS SUPPORT MOUNTED
- 4 SIGNAL MOUNTED
- XX OVERHEAD SIGN PANEL LOCATION
- X SIGN TO BE REMOVED

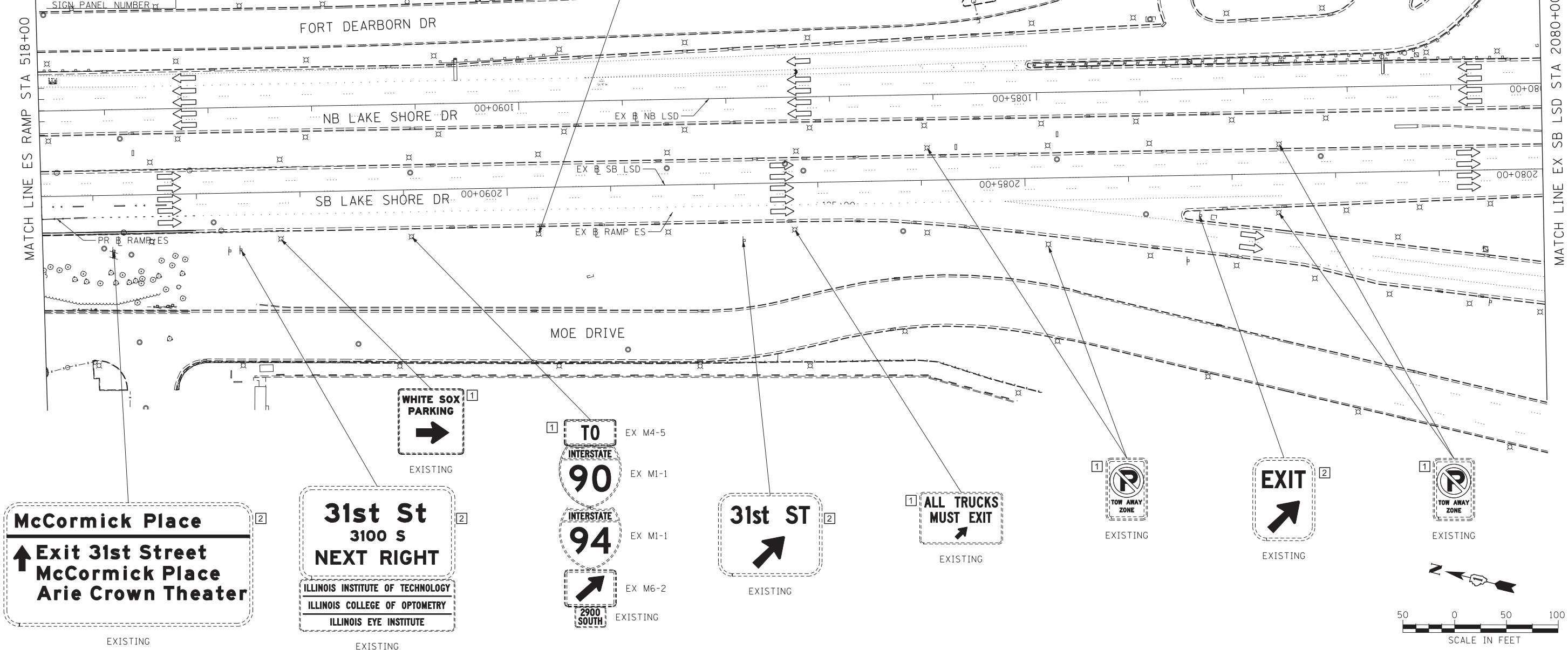
SIGNING NOTES

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

EXAMPLE

DIRECTION OF TRAFFIC	SB-01-LP	MOUNTING TYPE
NB - NORTHBOUND I-55		LP - LIGHT POLE BANDING
ES - RAMP ES		BM - BRIDGE MOUNTED
EN - RAMP EN		BP - BRIDGE PIER MOUNTED
TR - I-55 TURNAROUND		GM - GROUND MOUNTED
MLK- MARTIN LUTHER KING DRIVE		FM - FENCE MOUNTED
BUS- MCCORMICK PLACE BUSWAY		WP - WOOD POST
25 - 25TH STREET		MP - METAL POST
SB - SOUTHBOUND LAKE SHORE DRIVE		OV - OVERHEAD
ER - EXIT RAMP		PM - POST MOUNTED ON STRUCTURE
DON - DONNELLY ROAD		ST - SIGN TRUSS MOUNTED
EX - EXISTING HIGHWAY		TS - TELESCOPING STEEL SIGN SUPPORT
EXL- EXISTING LOCAL ROAD		SM - SIGNAL MOUNTED



FILE NAME = D:\60X07-Sht-Sign-05.dgn



USER NAME = augeungh
 DESIGNED - CRH
 DRAWN - NSA
 CHECKED - MJE
 DATE - 5/26/2015

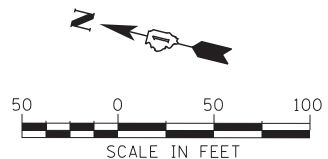
REVISIED -
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 REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
 RAMP ES & SB LAKE SHORE DRIVE**
 SCALE: 1" = 50'
 SHEET NO. 5 OF 8 SHEETS
 STA. 2080+00 TO STA. 2094+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	239

CONTRACT NO. 60X07
 ILLINOIS FED. AID PROJECT



SIGNING NOTES

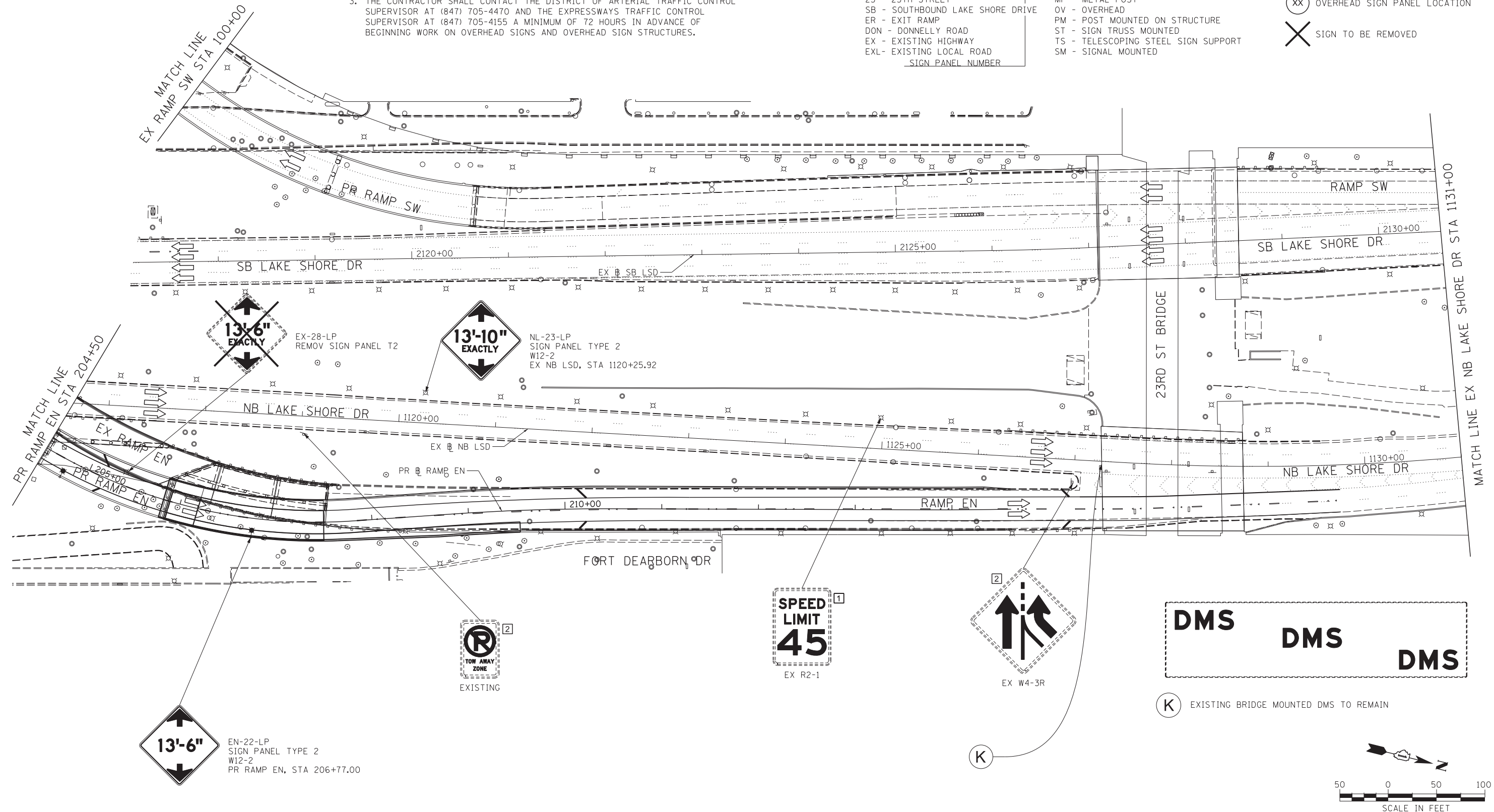
1. SEE SIGN SCHEDULE FOR SIGN PANEL AND MOUNTING INFORMATION.
2. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING SIGN INFORMATION FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL SIGNS SHALL BE DIRECTED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
3. THE CONTRACTOR SHALL CONTACT THE DISTRICT OF ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AND THE EXPRESSWAYS TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK ON OVERHEAD SIGNS AND OVERHEAD SIGN STRUCTURES.

SIGN NUMBERING CODE

DIRECTION OF TRAFFIC	EXAMPLE	MOUNTING TYPE
NL - NORTHBOUND LAKE SHORE DRIVE	SB-01-LP	LP - LIGHT POLE BANDING
NB - NORTHBOUND I-55		BM - BRIDGE MOUNTED
ES - RAMP ES		BP - BRIDGE PIER MOUNTED
EN - RAMP EN		GM - GROUND MOUNTED
TR - I-55 TURNAROUND		FM - FENCE MOUNTED
MLK- MARTIN LUTHER KING DRIVE		WP - WOOD POST
BUS- MCCORMICK PLACE BUSWAY		MP - METAL POST
25 - 25TH STREET		OV - OVERHEAD
SB - SOUTHBOUND LAKE SHORE DRIVE		PM - POST MOUNTED ON STRUCTURE
ER - EXIT RAMP		ST - SIGN TRUSS MOUNTED
DON - DONNELLY ROAD		TS - TELESCOPING STEEL SIGN SUPPORT
EX - EXISTING HIGHWAY		SM - SIGNAL MOUNTED
EXL- EXISTING LOCAL ROAD		
	SIGN PANEL NUMBER	

LEGEND

- 1 LIGHTING SUPPORT MOUNTED
- 2 GROUND MOUNTED
- 3 SIGN TRUSS SUPPORT MOUNTED
- 4 SIGNAL MOUNTED
- XX OVERHEAD SIGN PANEL LOCATION
- X SIGN TO BE REMOVED



FILE NAME = D:\60X07-Sht-Sign-06.dgn



USER NAME = ouyeungh	DESIGNED - CRH	REVISED -
	DRAWN - NSA	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
RAMP EN

SCALE: 1" = 50' SHEET NO. 6 OF 8 SHEETS STA. 1116+63.25 TO STA. 1131+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	240
CONTRACT NO. 60X07			ILLINOIS FED. AID PROJECT	

LEGEND

- 1 LIGHTING SUPPORT MOUNTED
- 2 GROUND MOUNTED
- 3 SIGN TRUSS SUPPORT MOUNTED
- 4 SIGNAL MOUNTED
- XX OVERHEAD SIGN PANEL LOCATION
- X SIGN TO BE REMOVED

SIGNING NOTES

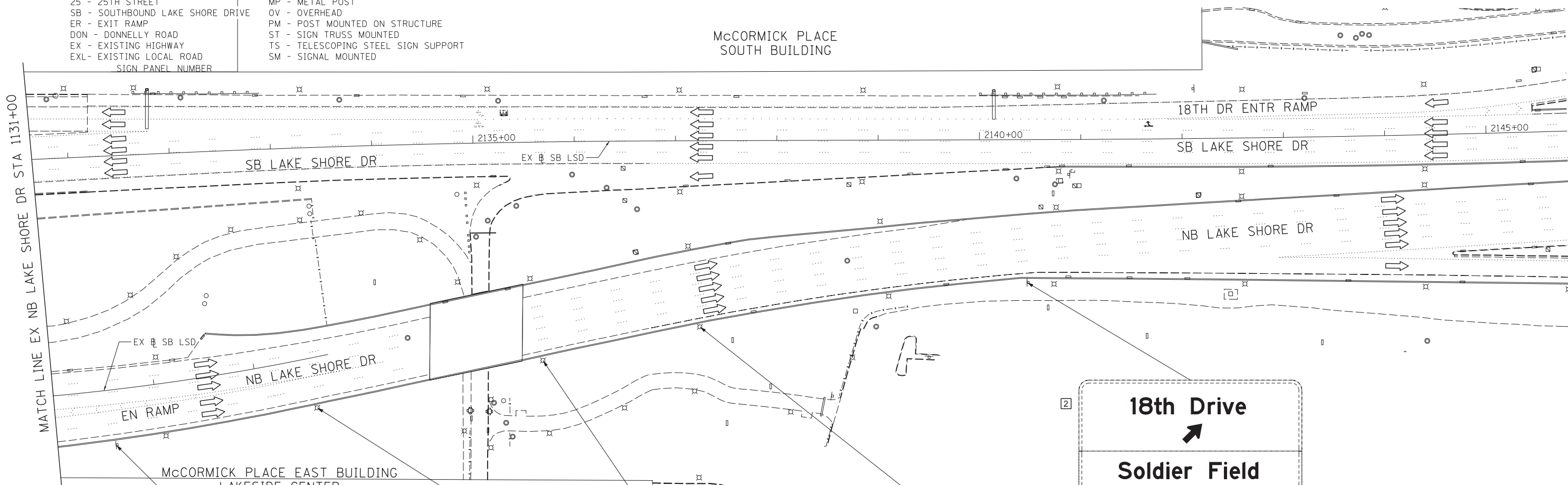
1. SEE SIGN SCHEDULE FOR SIGN PANEL AND MOUNTING INFORMATION.
2. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING SIGN INFORMATION FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL SIGNS SHALL BE DIRECTED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
3. THE CONTRACTOR SHALL CONTACT THE DISTRICT OF ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AND THE EXPRESSWAYS TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK ON OVERHEAD SIGNS AND OVERHEAD SIGN STRUCTURES.

SIGN NUMBERING CODE

EXAMPLE

DIRECTION OF TRAFFIC	SB-01-LP	MOUNTING TYPE
NB - NORTHBOUND I-55		LP - LIGHT POLE BANDING
ES - RAMP ES		BM - BRIDGE MOUNTED
EN - RAMP EN		BP - BRIDGE PIER MOUNTED
TR - I-55 TURNAROUND		GM - GROUND MOUNTED
MLK- MARTIN LUTHER KING DRIVE		FM - FENCE MOUNTED
BUS- MCCORMICK PLACE BUSWAY		WP - WOOD POST
25 - 25TH STREET		MP - METAL POST
SB - SOUTHBOUND LAKE SHORE DRIVE		OV - OVERHEAD
ER - EXIT RAMP		PM - POST MOUNTED ON STRUCTURE
DON - DONNELLY ROAD		ST - SIGN TRUSS MOUNTED
EX - EXISTING HIGHWAY		TS - TELESCOPING STEEL SIGN SUPPORT
EXL- EXISTING LOCAL ROAD		SM - SIGNAL MOUNTED

McCORMICK PLACE
SOUTH BUILDING



18th Drive
NEXT RIGHT

Soldier Field
Burnham Harbor

EXISTING

1 NORTH
41
LAKE MICHIGAN
CIRCLE TOUR

EX M3-1
EX M1-4

1 SPEED
LIMIT
40

EX R2-1

1 18th DRIVE
EXIT
LOCAL TRAFFIC
ONLY

EXISTING

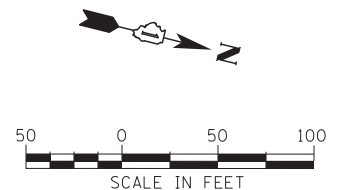
2 18th Drive

Soldier Field
Burnham Harbor
McCormick Place
Parking

MILLENNIUM PARK

EXIT MONROE ST.
(2.0 MILES)

EXISTING



FILE NAME = D:\60X07-Sht-Sign-07.dgn



USER NAME = augeungh
DESIGNED - CRH
DRAWN - NSA
CHECKED - MJE
DATE - 5/26/2015
PLOT SCALE = 50.0000' / in.
PLOT DATE = 5/22/2015

REVISOR -
REVISION -
REVISOR -
REVISION -
REVISOR -
REVISION -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
RAMP EN & NB LAKE SHORE DRIVE
SCALE: 1" = 50'
SHEET NO. 7 OF 8 SHEETS
STA. 2130+64.25 TO STA. 2146+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	241
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

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. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT OF ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AND THE EXPRESSWAYS TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK ON OVERHEAD SIGNS AND OVERHEAD SIGN STRUCTURES.
- 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.
- 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".
- PRIOR TO INSTALLING OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED, CONTRACTOR SHALL COORDINATE WITH MCCORMICK PLACE AND THE ENGINEER TO VERIFY RE-ERECTION OF EXISTING SIGN PANELS.

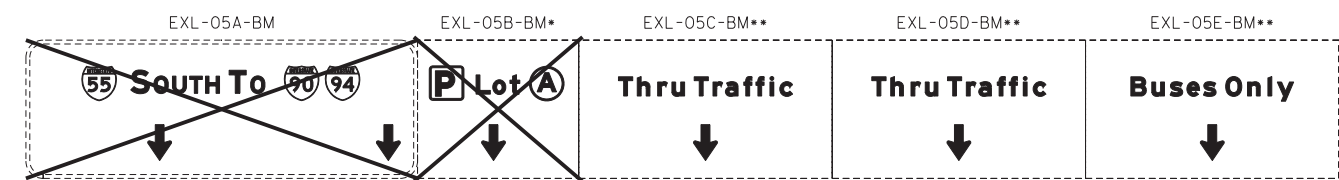
LEGEND

- 1 LIGHTING SUPPORT MOUNTED
- 2 GROUND MOUNTED
- 3 SIGN TRUSS SUPPORT MOUNTED
- 4 SIGNAL MOUNTED
- XX OVERHEAD SIGN PANEL LOCATION
- X SIGN TO BE REMOVED

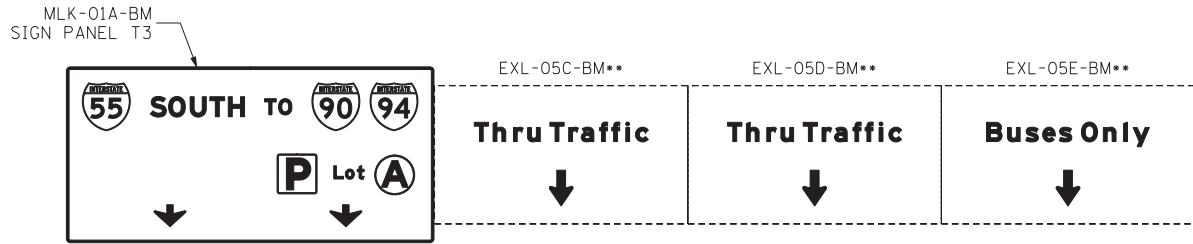
SIGN NUMBERING CODE

EXAMPLE

DIRECTION OF TRAFFIC	SIGN NUMBER	MOUNTING TYPE
NB - NORTHBOUND I-55	SB-01-LP	LP - LIGHT POLE BANDING
ES - RAMP ES		BM - BRIDGE MOUNTED
EN - RAMP EN		BP - BRIDGE PIER MOUNTED
TR - I-55 TURNAROUND		GM - GROUND MOUNTED
MLK - MARTIN LUTHER KING DRIVE		FM - FENCE MOUNTED
BUS - MCCORMICK PLACE BUSWAY		WP - WOOD POST
25 - 25TH STREET		MP - METAL POST
SB - SOUTHBOUND LAKE SHORE DRIVE		OV - OVERHEAD
ER - EXIT RAMP		PM - POST MOUNTED ON STRUCTURE
DON - DONNELLY ROAD		ST - SIGN TRUSS MOUNTED
EX - EXISTING HIGHWAY		TS - TELESCOPING STEEL SIGN SUPPORT
EXL - EXISTING LOCAL ROAD		SM - SIGNAL MOUNTED



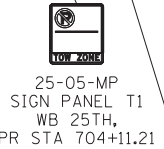
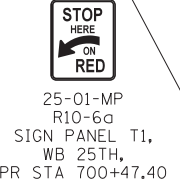
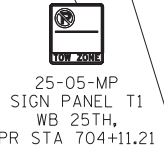
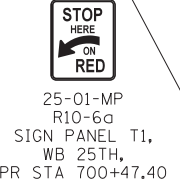
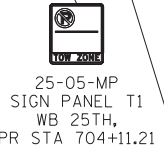
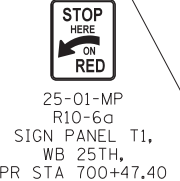
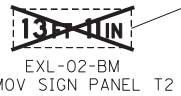
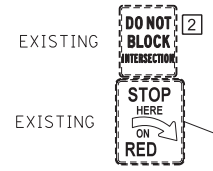
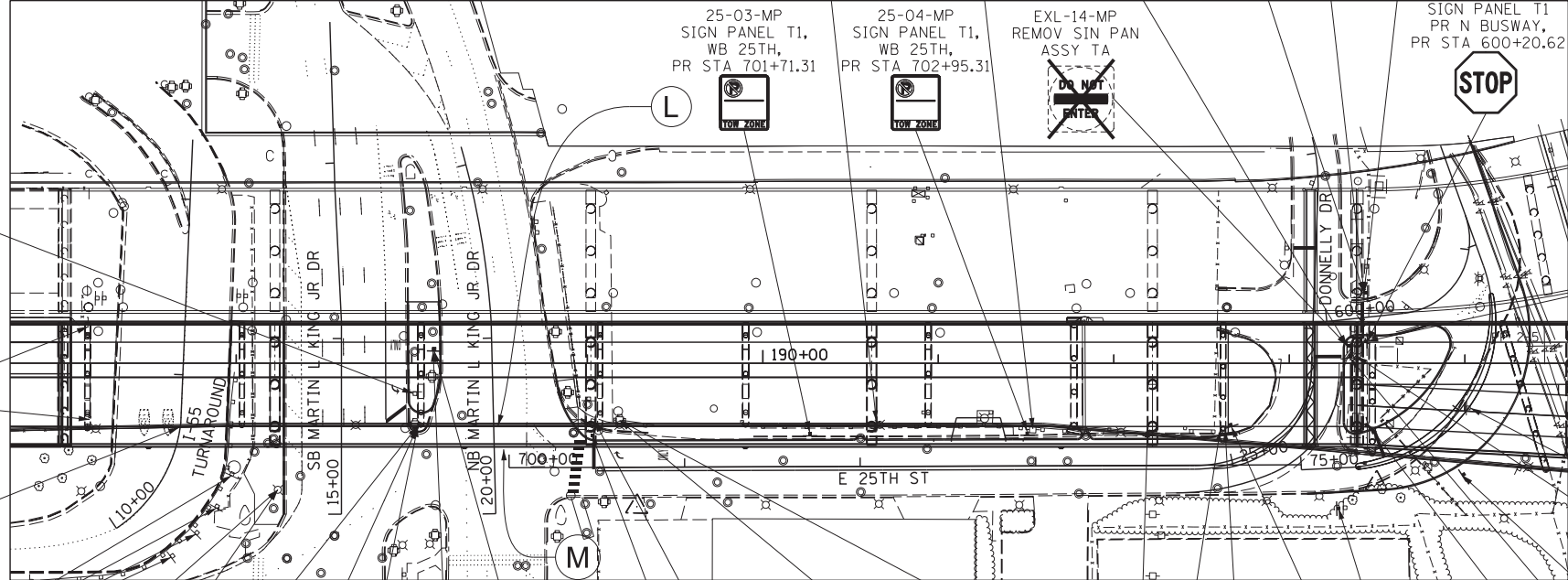
L REMOVE OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED
 REMOVE SIGN PANEL TYPE 3 (1)*, SIGN TO BE SALVAGED AND RETURNED TO OWNER (MCCORMICK PLACE)
 REMOVE, STORE AND RE-ERECT SIGN PANEL (3)**
 NB MLK, STA. 20+49.67



M INSTALL SIGN PANEL TYPE 3 AND (REMOVE, STORE AND) RE-ERECT SIGN PANEL (3)
 ON PROPOSED OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED
 ON PROPOSED NB I-55 BRIDGE
 NB MLK, STA 20+38.00
 SEE SHEETS #SPOND#SPIDRO SIGN PANEL DETAILS

INSET DETAIL

SIGNING BELOW NB & SB I-55



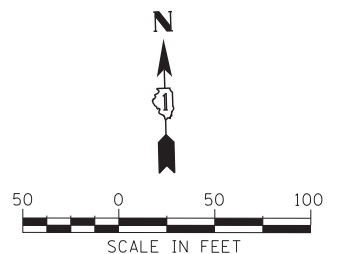
USER NAME = augeungh	DESIGNED - CRH	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - NSA	REVISED -
PLOT DATE = 5/27/2015	CHECKED - MJE	REVISED -
	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
 MARTIN LUTHER KING JR DRIVE & 25TH STREET**

SCALE: 1" = 50' SHEET NO. 8 OF 8 SHEETS STA. 2131+00 TO STA. 2146+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	242
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



FILE NAME = D:\60X07-Sht-Sign-08.dgn

EXISTING SIGN SCHEDULE

LOCATION		SIGN NO.	LEGEND / DESCRIPTION	CODE	BASELINE	LOCATION (STATION / OFFSET)		WIDTH (FT)	HEIGHT (FT)	REMOVE SIGN PANEL ASSEMBLY - TYPE A	REMOVE SIGN PANEL ASSEMBLY - TYPE B	REMOVE SIGN PANEL - TYPE 1	REMOVE SIGN PANEL - TYPE 2	REMOVE SIGN PANEL - TYPE 3	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	REMOVE OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	REMOVE CONCRETE FOUNDATION - OVERHEAD	REMOVE STORE AND RE-ERECT SIGN PANEL	REMOVE AND RELOCATE SIGN (SPECIAL)		
										EACH	EACH	SQ FT	SQ FT	SQ FT	EACH	EACH	EACH	SQ FT	EACH		
NB I-55	EX-01-LP		MILE 293 39	D10-3a	EX.55NB	70+59.30	LT	1.00	4.50			4.50									
	EX-02-LP		MILE 293 42	D10-3a	EX.55NB	72+26.47	RT	1.00	4.50			4.50									
			LANE ENDS	W4-2R					4.00	4.00				16.00							
	EX-03-LP		MILE 293 46	D10-3a	EX.55NB	74+77.86	LT	1.00	4.50			4.50									
	EX-04A-OV			US 41 NORTH		EX.55NB	75+35.41	OVERHEAD	17.00	10.00						1		2			
				LAKE SHORE DR																	
				NO TRUCKS (DOWN ARROW)																	
	EX-04B-OV			US 41 SOUTH		EX.55NB	75+35.41	OVERHEAD	15.00	10.00						1		2			
				LAKE SHORE DR																	
	EX-04C-OV			DOWN ARROW		EX.55NB	75+35.41	OVERHEAD	8.50	10.00						1		2			
				LANE ENDS																	
	EX-04D-OV			500 FT		EX.55NB	75+35.41	OVERHEAD	18.00	10.00						1		2			
				EXIT 293D																	
				MARTIN L KING DR		EX.55NB	75+35.41	OVERHEAD	18.00	10.00						1		2			
			DOWN ARROW																		
EX-06-LP			MILE 293 54	D10-3a	EX.55NB	78+76.49	LT	1.00	4.50			4.50									
EX-07-PM			EXIT 293D (45 DEGREE ARROW)		PR.55NB	180+87.83	RT	9.50	7.50		1										
EX-08A-OV			US 41 NORTH		PR.55NB	181+31.03	OVERHEAD	17.00	10.00						1		2				
			LAKE SHORE DR																		
			NO TRUCKS (2 DOWN ARROW)																		
EX-08B-OV			US 41 SOUTH		PR.55NB	181+31.03	OVERHEAD	15.00	10.00						1		2				
			LAKE SHORE DR																		
EX-08C-OV			ALL TRUCKS (DOWN ARROW)		PR.55NB	181+31.03	OVERHEAD	8.00	10.00						1		2				
			LANE ENDS																		
EX-09-LP			MILE 293 59	D10-3a	PR.55NB	181+64.17	RT	1.00	4.50			4.50									
			SPEED LIMIT 45	R2-1																	
MLK EXIT RAMP	ER-05-OV		MCCORMICK PLACE		EX.55NB	78+05.25	RT	27.50	13.50												
			KEEP LEFT	KEEP RIGHT																	
			P LOT A	NORTH BUILDING																	
			WEST BUILDING	SOUTH BUILDING																	
			CORPORATE CENTER	MARTIN L KING DR																	
	ER-10-GM			MCCORMICK PLACE		PR.55NB	182+19.66	RT	14.00	9.00											
				P LOT A																	
				WEST BUILDING																	
				DROP-OFF																	
				CORPORATE CENTER																	
	ER-11-OV			MCCORMICK PLACE		PR.55NB	184+11.53	RT	25.50	13.50											
				KEEP LEFT	KEEP RIGHT																
				I-55 SOUTH	P LOT A																
				LOCAL TRAFFIC	CORP CTR																
			WEST BUILDING																		
NB I-55	EX-12-LP		MILE 293 65	D10-3a	PR.55NB	184+66.69	RT	1.00	4.50			4.50									
	EX-13-LP		MILE 293 71	D10-3a	PR.55NB	187+68.05	RT	1.00	4.50			4.50									
	EX-13A-LP		13'-10" CLEARANCE	W12-2	EX.LSD-NB	1112+36.58	RT	4.00	4.00				16.00								
	EX-14-LP		MILE 293 72	D10-3a	PR.55NB	189+18.36	RT	1.00	4.50			4.50									
	EX-15-LP		MILE 293 78	D10-3a	PR.55NB	190+66.61	RT	1.00	4.50			4.50									
	EX-16A-OV			US 41 NORTH		PR.55NB	191+83.53	OVERHEAD	18.50	10.50						1					
				LAKE SHORE DR																	
	EX-16B-OV			NO TRUCKS (2 DOWN ARROW)		PR.55NB	191+83.53	OVERHEAD	18.50	10.50						1					
				US 41 SOUTH																	
				LAKE SHORE DR		PR.55NB	191+83.53	OVERHEAD	18.50	10.50						1					
			ALL TRUCKS (DOWN ARROW)																		
EX-17-LP			MILE 293 79	D10-3a	PR.55NB	192+03.99	RT	1.00	4.50			4.50									
EX-18-LP			MILE 293 80	D10-3a	PR.55NB	193+35.80	RT	1.00	4.50			4.50									
EX-19-PM			I-55 END		PR.55NB	194+33.92	LT	4.00	5.50				22.00								
EX-20-PM			I-55 END		PR.55NB	194+36.09	RT	4.00	5.50				22.00								
SUBTOTALS										0	1	49.50	96.00	0.00	3	0	4	0.00	0.00		

FILE NAME = D:\07\07-Sign-Schedule-01.dgn



USER NAME = seorsb
 DESIGNED - NSA
 DRAWN - NSA
 CHECKED - MJE
 DATE - 5/26/2015
 PLOT SCALE = 50.0000' / in.
 PLOT DATE = 5/24/2015

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

SCALE: 1" = 50' SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	243
CONTRACT NO. 60X07			ILLINOIS FED. AID PROJECT	

EXISTING SIGN SCHEDULE

DESCRIPTION		EXISTING PANEL DIMENSIONS		REMOVE SIGN PANEL ASSEMBLY - TYPE A	REMOVE SIGN PANEL ASSEMBLY - TYPE B	REMOVE SIGN PANEL - TYPE 1	REMOVE SIGN PANEL - TYPE 2	REMOVE SIGN PANEL - TYPE 3	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	REMOVE OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	REMOVE CONCRETE FOUNDATION - OVERHEAD	REMOVE STORE AND RE-ERECT SIGN PANEL	REMOVE AND RELOCATE SIGN (SPECIAL)							
LOCATION	SIGN NO.	LEGEND / DESCRIPTION	CODE	BASELINE	LOCATION (STATION / OFFSET)	WIDTH (FT)	HEIGHT (FT)	EACH	EACH	SQ FT	SQ FT	SQ FT	EACH	EACH	EACH	SQ FT	EACH			
RAMP ES	EX-21-LP	DOUBLE ARROW	W12-1	PR.RAMP-ES	495+16.39	RT	3.00	3.00		9.00										
	EX-22-LP	TO	M4-5	PR.RAMP-ES	508+20.00	LT	2.50	1.25		3.13										
		I-90	M1-1				3.00	3.00	9.00											
		I-94	M1-1				3.00	3.00	9.00											
		KEEP RIGHT					2.50	1.75	4.38											
	EX-23-LP	ALL TRUCKS		PR.RAMP-ES	508+92.86	LT	4.50	2.50		11.25										
		MUST EXIT					1.50	1.00	1.50											
31ST STREET																				
EX-24-WP	ADDED LANE	W4-1R	PR.RAMP-ES	512+93.06	LT	3.00	3.00	1												
EX-25-LP	NO PARKING		PR.RAMP-ES	513+14.63	RT	1.50	1.50		2.25											
EX-26-LP	TOW AWAY ZONE																			
RAMP EN	EX-28-LP	SPEED LIMIT 45	R2-1	PR.RAMP-ES	515+31.26	RT	3.00	4.00		12.00										
		13'6" EXACTLY		PR.55NB	205+35.56	LT	4.00	4.00		16.00										
I-55 TURNAROUND, MLK DRIVE, 25TH STREET, DONNELLY DRIVE	EXL-01a-FM	STATE PROPERTY		MLK-TURN	10+61.53	LT	3.50	1.50		5.25										
	EXL-01b-FM	NO TRESPASSING		MLK-TURN	11+25.00	LT	3.50	1.50		5.25										
	EXL-02-BM	STATE PROPERTY		MLK-TURN	10+70.55	RT	6.50	2.00		13.00										
	EXL-03-SM	NO TRESPASSING	W12-2a	MLK-TURN	15+51.04	RT	2.50	2.50		6.25										
	EXL-04-MP	13FT 11IN CLEARANCE		NB_MLK	20+79.01	LT	DO NOT ENTER	R5-1	2.50	0.88										
		LEFT ARROW	M5-1				2.00	1.00												
		SOUTH	M3-3				2.00	2.00												
		I-55	M1-1				3.50	4.00												
	EXL-05A-BM	LEFT ONLY (2)	R3-5L																	
		I-55 SOUTH TO I-90/94																		
	EXL-05B-BM	DOWN ARROWS		NB_MLK	20+49.67	RT	7.00	6.00		42.00										
	EXL-05C-BM	P LOT A					12.00	6.00												
	EXL-05D-BM	DOWN ARROW					12.00	6.00												
	EXL-05E-BM	THRU TRAFFIC					12.00	6.00												
	EXL-05F-BM	THRU TRAFFIC					12.00	6.00												
	EXL-06-MP	DOWN ARROW																		
	EXL-06-MP	BUSES ONLY																		
	EXL-06-MP	DOWN ARROW																		
	EXL-07-MP	STOP HERE ON RED	R10-6a	WB 25TH	700+48.74	LT	2.00	2.50	1											
	EXL-07-SM	RIGHT TURN ONLY	R3-5R	WB 25TH	700+63.09	LT	2.50	3.00		7.50										
	EXL-08-LP	NO PARKING		WB 25TH	702+11.10	LT	1.50	1.50		2.25										
EXL-09-LP	NO PARKING		WB 25TH	702+98.48	LT	1.50	1.50		2.25											
EXL-10-BP	FIRE DEPARTMENT		WB 25TH	704+05.14	LT	2.00	1.50													
	STAND-PIPE																			
	CONNECTION																			
EXL-11-BP	(LEFT ARROW)																			
EXL-11-BP	NO PARKING		WB 25TH	704+08.01	LT	1.50	1.50		2.25											
EXL-12-MP	SPEED LIMIT 15	R2-1	EX.BUSWAY	30+69.09	RT	2.00	2.50	1												
EXL-13-LP	STOP SIGN	R1-1	DONNELLY	25+84.99	RT	2.50	2.50		6.25											
EXL-14-MP	DO NOT ENTER	R5-1	EX.BUSWAY	30+76.63	RT	2.50	2.50	1												
EXL-15-MP	DO NOT ENTER & STOP SIGN - BACK TO BACK	R5-1	EX.BUSWAY	31+14.90	RT	2.50	2.50													
EXL-16-MP	STOP SIGN	R-1-1	EX.BUSWAY	30+76.63	RT	2.50	2.50	1												
BUS-01-WP	MCCORMICK PLACE BUSWAY TO DOWNTOWN	-	EX.BUSWAY	30+00.00	RT	8.00	10.00										1.00			
SUBTOTALS								4	3	76	52	42	0	1	0	219	1			
TOTALS								4	4	125	148	42	3	1	4	219	1			

FILE NAME = D:\0407-Sht-Sign-Schedule-02.dgn



USER NAME = seorsb	DESIGNED - NSA	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - NSA	REVISED -
PLOT DATE = 5/24/2015	CHECKED - MJE	REVISED -
	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN SCHEDULE

SCALE: 1" = 50' SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	244
CONTRACT NO. 60X07				
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 (SQ FT)	SIGN PANEL TYPE 2 (SQ FT)	SIGN PANEL TYPE 3 (SQ FT)	SIGN PANEL OVERLAY (SQ FT)	MILE POST MARKER ASSEMBLY EACH	METAL POST - TYPE A FOOT	METAL POST - TYPE B FOOT	WOOD SIGN SUPPORT FOOT	OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED FOOT	REMOVE AND RELOCATE SIGN (SPECIAL) EACH	TELESCOPING STEEL SIGN SUPPORT (SPECIAL) FOOT		
						WIDTH (FT)	HEIGHT (FT)															
NB I-55	NB-01-LP	MILE 293 .4	D10-3a	INSTALL NEW SIGN PANEL ON EXISTING LIGHT POLE	EX_55NB	70+59.30	LT	1.00	4.00					1								
	NB-02A-OV	US 41 NORTH		INSTALL NEW SIGN PANELS ON PROPOSED OVERHEAD SIGN STRUCTURE	EX_55NB	75+57.00	OVERHEAD	18.50	14.50	268.25												
		LAKE SHORE DR																				
		NO TRUCKS (DOWN ARROWS)																				
	NB-02B-OV	US 41 SOUTH		INSTALL NEW SIGN PANELS ON PROPOSED OVERHEAD SIGN STRUCTURE	EX_55NB	75+57.00	OVERHEAD	18.50	14.50	268.25												
		LAKE SHORE DR																				
		ALL TRUCKS (DOWN ARROWS)																				
	NB-02C-OV	EXIT 293D		INSTALL NEW SIGN PANELS ON PROPOSED OVERHEAD SIGN STRUCTURE	EX_55NB	75+57.00	OVERHEAD	13.00	2.50	32.50												
	NB-02D-OV	MARTIN L KING DR (45 DEGREE ARROW)						20.50	7.50	153.75												
	NB-03-LP	MILE 293 .5	D10-3a	INSTALL NEW SIGN PANEL ON EXISTING LIGHT POLE	EX_55NB	77+32.56	LT	1.00	4.00					1								
NB-05-PM	EXIT 293D (45 DEGREE ARROW)		INSTALL NEW SIGN PANEL ON PROPOSED POST	PR_55NB	180+87.83	RT	11.00	5.00			55.00									24.00		
NB-06A-OV	US 41 NORTH		INSTALL NEW SIGN PANELS ON PROPOSED OVERHEAD SIGN STRUCTURE	PR_55NB	181+09.00	OVERHEAD	18.50	14.50	268.25													
	LAKE SHORE DR																					
	NO TRUCKS (DOWN ARROWS)																					
NB-06B-OV	US 41 SOUTH		INSTALL NEW SIGN PANELS ON PROPOSED OVERHEAD SIGN STRUCTURE	PR_55NB	181+09.00	OVERHEAD	18.50	14.50	268.25													
	LAKE SHORE DR																					
	ALL TRUCKS (DOWN ARROWS)																					
MLK EXIT RAMP	ER-05-OV	(OVERLAY PANEL)		INSTALL SIGN PANEL OVERLAY TO CONCEAL "13'-11IN" SIGN TEXT	EX_55-NB	78+05.25	OVERHEAD	8.00	3.00				24.00									
	ER-10-GM	(OVERLAY PANEL)		INSTALL SIGN PANEL OVERLAY TO CONCEAL "13'-11IN" SIGN TEXT	PR_55NB	182+19.66	RT	14.00	2.00				28.00									
	ER-11-OV	(OVERLAY PANEL)		INSTALL SIGN PANEL OVERLAY TO CONCEAL "13'-11IN" SIGN TEXT	PR_55NB	184+11.53	RT	8.00	3.00				24.00									
NB I-55	NB-08-LP	SPEED LIMIT 45	R2-1	INSTALL NEW SIGN PANELS ON PROPOSED LIGHT POLE	PR_55NB	183+20.00	RT	4.00	5.00	20.00												
		MILE 296.6	D10-3a					1.00	4.00				1									
	NB-10-LP	MILE 296.7	D10-3a	INSTALL NEW SIGN PANEL ON PROPOSED LIGHT POLE	PR_55NB	188+30.00	RT	1.00	4.00					1								
	NB-11A-OV	US 41 NORTH		INSTALL NEW SIGN PANELS ON PROPOSED OVERHEAD SIGN STRUCTURE	PR_55NB	193+12.00	OVERHEAD	18.50	14.50	268.25												
		LAKE SHORE DR																				
		NO TRUCKS (45 DEGREE ARROWS)																				
	NB-11B-OV	US 41 SOUTH		INSTALL NEW SIGN PANELS ON PROPOSED OVERHEAD SIGN STRUCTURE	PR_55NB	193+12.00	OVERHEAD	18.50	14.50	268.25												
LAKE SHORE DR																						
ALL TRUCKS (45 DEGREE ARROWS)																						
NB-12-ST	MILE 293 .8	D10-3a	INSTALL NEW SIGN PANEL ON PROPOSED OVERHEAD SIGN STRUCTURE COLUMN	PR_55NB	193+12.00	RT	1.00	4.00					1									
NB-13-LP	END	M4-6	INSTALL NEW SIGN PANELS ON PROPOSED LIGHT POLE	PR_55NB	197+47.00	RT	3.00	1.50	4.50													
	I-55	M1-1					3.00	3.00	9.00													
	DOUBLE ARROW	W12-1	INSTALL NEW SIGN PANEL ON PROPOSED LIGHT POLE	PR_55NB	197+47.00	RT	3.00	3.00	9.00													
SUBTOTALS										22.50	20.00	1850.75	76.00	5	0.00	0.00	0.00	0.00	0.00	0.00	24.00	

FILE NAME = D:\60X07-Sht-Sign-Schedule-03.dgn



USER NAME = seorsb	DESIGNED - NSA	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - NSA	REVISED -
PLOT DATE = 5/24/2015	CHECKED - MJE	REVISED -
	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN SCHEDULE

SCALE: 1" = 50' SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	245
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

PROPOSED SIGN SCHEDULE

DESCRIPTION							PROPOSED PANEL DIMENSIONS		SIGN PANEL TYPE 1	SIGN PANEL TYPE 2	SIGN PANEL TYPE 3	SIGN PANEL OVERLAY	MILE POST MARKER ASSEMBLY	METAL POST - TYPE A	METAL POST - TYPE B	WOOD SIGN SUPPORT	OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	REMOVE AND RELOCATE SIGN (SPECIAL)	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)		
LOCATION	SIGN NO.	LEGEND / DESCRIPTION	CODE	ACTION	BASELINE	LOCATION (STATION / OFFSET)	WIDTH (FT)	HEIGHT (FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	EACH	FOOT	FOOT	FOOT	FOOT	EACH	FOOT		
RAMP ES	ES-17-WP	ALL TRUCKS		INSTALL NEW SIGN PANELS ON PROPOSED POST	PR_RAMP-ES	503+82.01	LT	6.00	4.00			24.00				30.00					
		MUST EXIT																			
		31ST STREET																			
	ES-18-TS	ENTERING ROADWAY MERGE	W4-1R	INSTALL NEW SIGN PANEL ON PROPOSED POST	PR_RAMP-ES	507+00.00	LT	3.00	3.00	9.00										11.00	
ES-19-LP	NO PARKING (SYMBOL)		INSTALL NEW SIGN PANEL ON EXISTING LIGHT POLE	PR_RAMP-ES	513+14.63	RT	1.50	2.00	3.00												
	TOW AWAY ZONE																				
ES-20-LP	SPEED LIMIT 45	R2-1	INSTALL NEW SIGN PANEL ON EXISTING LIGHT POLE	PR_RAMP-ES	515+31.39	RT	3.00	4.00		12.00											
RAMP EN	EN-22-LP	13'6" CLEARANCE	W12-2	INSTALL NEW SIGN PANEL ON PROPOSED LIGHT POLE	PR_RAMP-EN	206+77.00	RT	4.00	4.00		16.00										
	NL-23-LP	13'10" EXACTLY	W12-2	INSTALL NEW SIGN PANEL ON EXISTING LIGHT POLE	EX_NB-LSD	1120+25.92	LT	4.00	4.00		16.00										
I-55 TURNAROUND, MLK DRIVE, 25TH STREET, DONNELLY DRIVE	MLK-01A-BM	I-55 SOUTH TO I-90/I-94		INSTALL NEW SIGN PANEL ON PROPOSED I-55 NB BRIDGE	NB_MLK	20+38.07	OVERHEAD	23.00	11.00			253.00					62.00				
	EXL-05C-BM	THRU TRAFFIC																			
	EXL-05D-BM	DOWN ARROW																			
	EXL-05E-BM	DOWN ARROW																			
	MLK-02-SM	DO NOT ENTER	R5-1	INSTALL NEW SIGN PANEL ON EXISTING SIGNAL POLE	NB_MLK	20+51.89	LT	2.50	2.50	6.25											
	MLK-03-MP	SOUTH	M3-3	INSTALL NEW SIGN PANELS ON PROPOSED POST	NB_MLK	20+79.01	LT	2.00	1.00	2.00				31.00							
		I-55	M1-1																		
		(LEFT ARROW)	M5-1																		
	25-01-MP	STOP HERE ON RED	R10-6a	INSTALL NEW SIGN PANEL ON PROPOSED POST	25TH	700+47.40	LT	2.00	2.50	5.00					13.50						
	25-02-SM	RIGHT TURN ONLY	R3-5R	INSTALL NEW SIGN PANELS ON EXISTING SIGNAL POLE	25TH	700+62.98	LT	2.50	3.00	7.50											
	25-03-MP	NO PARKING TOW ZONE	R7-201-4	INSTALL NEW SIGN PANEL ON PROPOSED POST	WB 25TH	701+71.31	LT	1.50	1.50	2.25				12.00							
	25-04-MP	NO PARKING TOW ZONE	R7-201-4	INSTALL NEW SIGN PANEL ON PROPOSED POST	WB 25TH	702+95.31	LT	1.50	1.50	2.25				12.00							
	25-0-MP	NO PARKING TOW ZONE	R7-201-4	INSTALL NEW SIGN PANEL ON PROPOSED POST	WB 25TH	704+11.21	LT	1.50	1.50	2.25				12.00							
	BUS-01-MP	MCCORMICK PLACE BUSWAY TO DOWNTOWN		INSTALL NEW SIGN PANELS ON PROPOSED POST	PR S BUSWAY	75+20.00	RT	10.00	8.00							42.00		1.00			
	BUS-02-WP	SPEED LIMIT 15	R2-1	INSTALL NEW SIGN PANELS ON PROPOSED POST	PR S BUSWAY	76+05.65	RT	2.00	2.50	5.00					13.50						
	BUS-03-MP	STOP SIGN	R1-1	INSTALL NEW SIGN PANEL ON PROPOSED POST	PR S BUSWAY	75+42.21	RT	2.50	2.50	6.25					13.50						
	BUS-04-MP	DO NOT ENTER	R5-1	INSTALL NEW SIGN PANEL ON PROPOSED POST	PR N BUSWAY	600+11.01	RT	2.50	2.50	6.25					13.50						
	BUS-05-MP	DO NOT ENTER	R5-1	INSTALL NEW SIGN PANEL ON PROPOSED POST	PR N BUSWAY	600+23.83	RT	2.50	2.50	6.25					13.50						
	BUS-06-MP	STOP SIGN	R1-1	INSTALL NEW SIGN PANEL ON SHARED POST	PR N BUSWAY	600+23.83	RT	2.50	2.50	6.25					13.50						
	BUS-07-MP	STOP SIGN	R1-1	INSTALL NEW SIGN PANEL ON PROPOSED POST	PR N BUSWAY	600+20.62	RT	2.50	2.50	6.25					13.50						
DON-01-MP	STOP SIGN	R1-1	INSTALL NEW SIGNAL PANEL ON PROPOSED POST	DONNELLY	25+84.92	RT	2.50	2.50	6.25					13.50							
SUBTOTALS									88.19	44.00	277.00	0.00	0.00	67.00	94.50	72.00	62.00	1.00	11.00		
TOTALS									111.00	64.00	2128.00	76.00	5.00	67.00	94.50	72.00	62.00	1.00	35.00		

NOTE:SEE STRUCTURAL PLANS FOR BILL OF MATERIALS RELATING TO OVERHEAD SIGN STRUCTURE DESIGN

FILE NAME = D:\60X07-Sht-Sign-Schedule-04.dgn



USER NAME = seorsb	DESIGNED - NSA	REVISED -
	DRAWN - NSA	REVISED -
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PLOT DATE = 5/24/2015	DATE - 5/26/2015	REVISED -

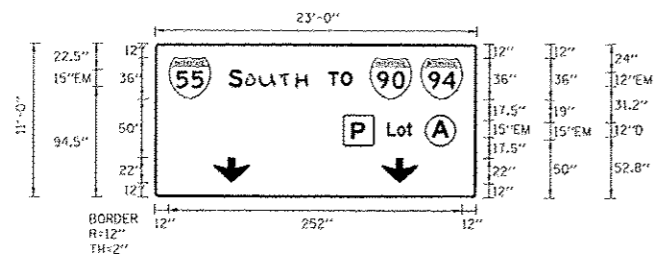
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN SCHEDULE

SCALE: 1" = 50' SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	246
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL
11725



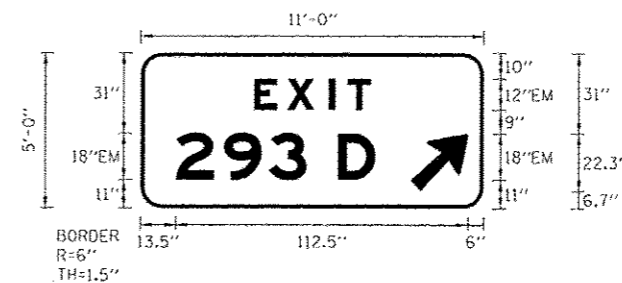
Panel Style: guide_con_street.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

SIGN NUMBER	MLK-01A-BM
WIDTH x HGHT.	23'-0" x 11'-0"
BORDER WIDTH	2"
CORNER RADIUS	3"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ Retroreflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective-ZZ Sheeting COLOR: White /Black/White

SYMBOL	ROT	X	Y	WID	HT
MI_1	360	12	84	36	36
MI_1	360	184.3	84	36	36
MI_1	360	228	84	36	36
ARDOWN	0	50	12	32	22
ARDOWN	0	194	12	32	22

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE
S	O	U	T	H	T	O					EM 2000
63	76.7	92.9	107.8	121.6	148.7	159.3				106.4	15,12
L	o	i									D 2000
199.3	207.8	215.9								21.5	129
A											EM 2000
237.4										15.2	15
P											EM 2000
168.2										12.2	15

SIGN DETAIL



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

SIGN NUMBER	NB-05-PM
WIDTH x HGHT.	11'-0" x 5'-0"
BORDER WIDTH	1.5"
CORNER RADIUS	6"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective-AP Sheeting COLOR: Green
LEGEND/BORDER	TYPE: Reflective-AP Sheeting COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type A	315	103.2	5.8	18.3	29.3

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE
E	X	I	T								EM 2000
43.6	56.2	72.3	79.6							44.9	12
2	9	3	D								EM 2000
13.5	31.9	49.2	75.8							76.8	18

NOTE:

- THE COST OF NEW MOUNTING BRACKETS IS INCLUDED IN THE PAY ITEM "OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED."

FILE NAME: C:\EG2007-5\1-Sign\Detail\11725.dgn



USER NAME	nsa
DESIGNED	NSA
DRAWN	NSA
CHECKED	MJE
DATE	5/26/2015

REVISED	-
REVISED	-
REVISED	-
REVISED	-

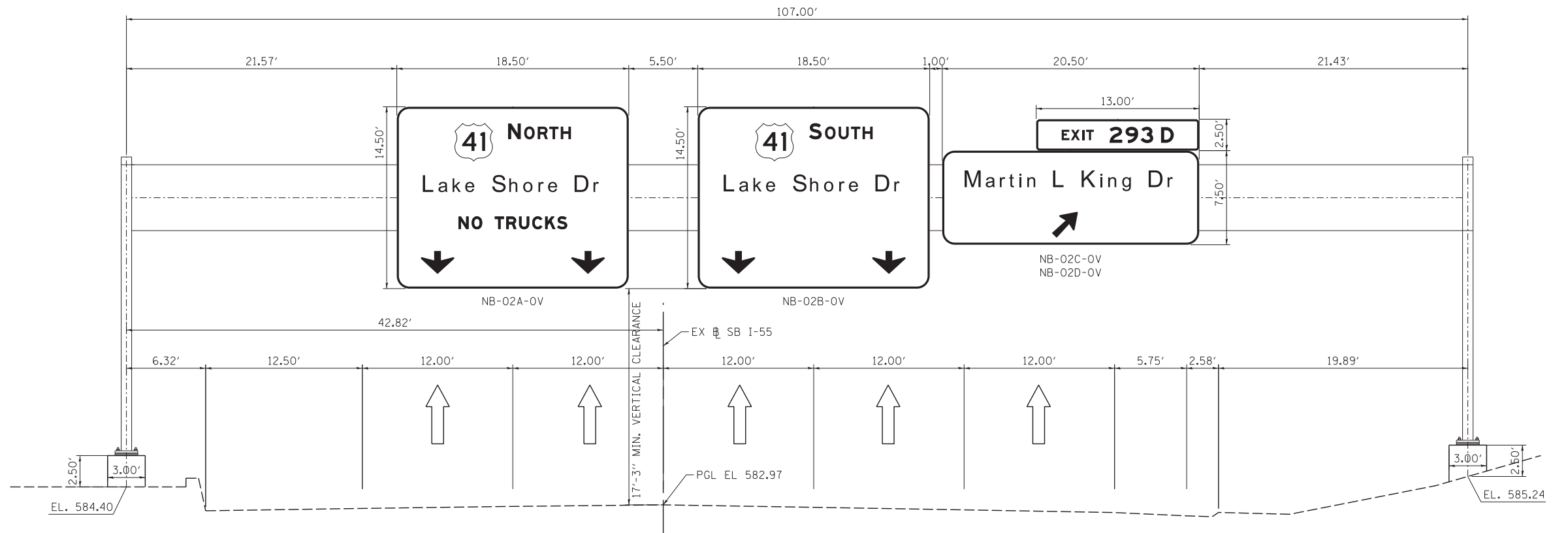
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN PANEL DETAILS

SCALE SHEET NO. 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	249
CONTRACT NO. 60X07				ILLINOIS FED. AID PROJECT

Rev.



PROPOSED OVERHEAD SIGN STRUCTURE – SPAN, TYPE II-A (4'-6" X 5'-3")
STA 75+57.00 (EX 55 NB)
NB I-55
LOOKING EAST

FILE NAME = D:\60X07-Sht-OverheadStruct-01.dgn



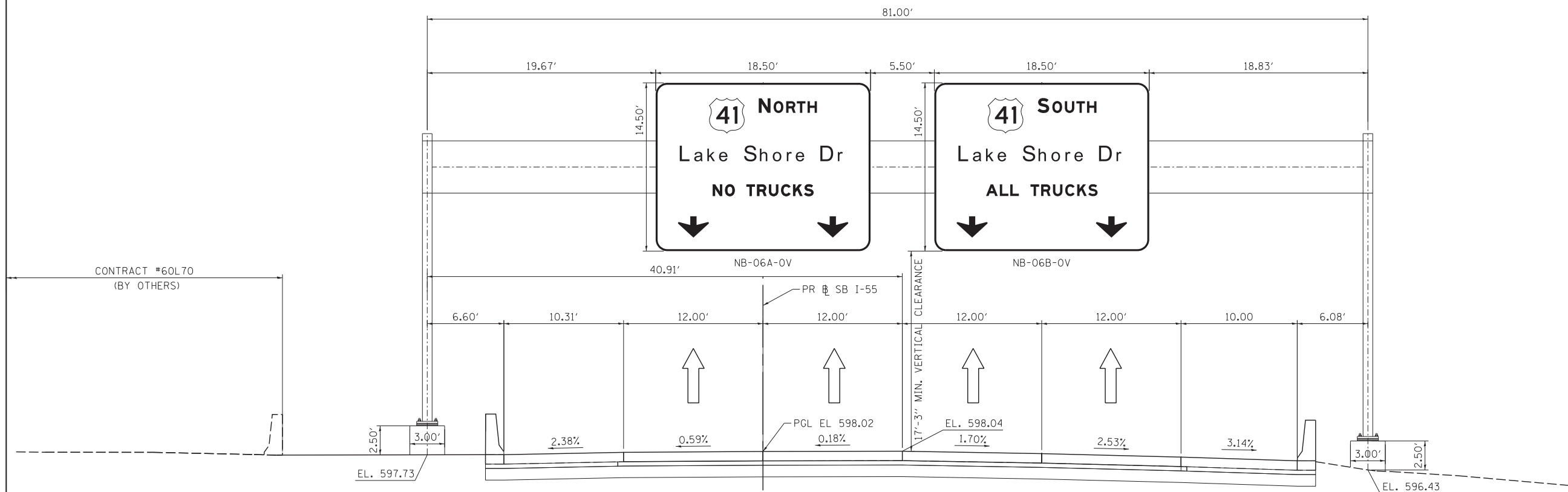
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	DRAWN - BMC	REVISED -
PLOT SCALE = 5.0000' / 1"	CHECKED - MJE	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN PANEL PLACEMENT

SCALE: NONE SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	252
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



PROPOSED OVERHEAD SIGN STRUCTURE – SPAN, TYPE I-A (4'-0 X 4'-6)
STA 181+09.00 (PR 55 NB)
NB I-55

FILE NAME = D:\60X07-Sht-OverheadStruct-02.dgn



USER NAME = augeungh	DESIGNED - BMC	REVISED -
	DRAWN - BMC	REVISED -
PLOT SCALE = 5.0000' / 1\"/>		

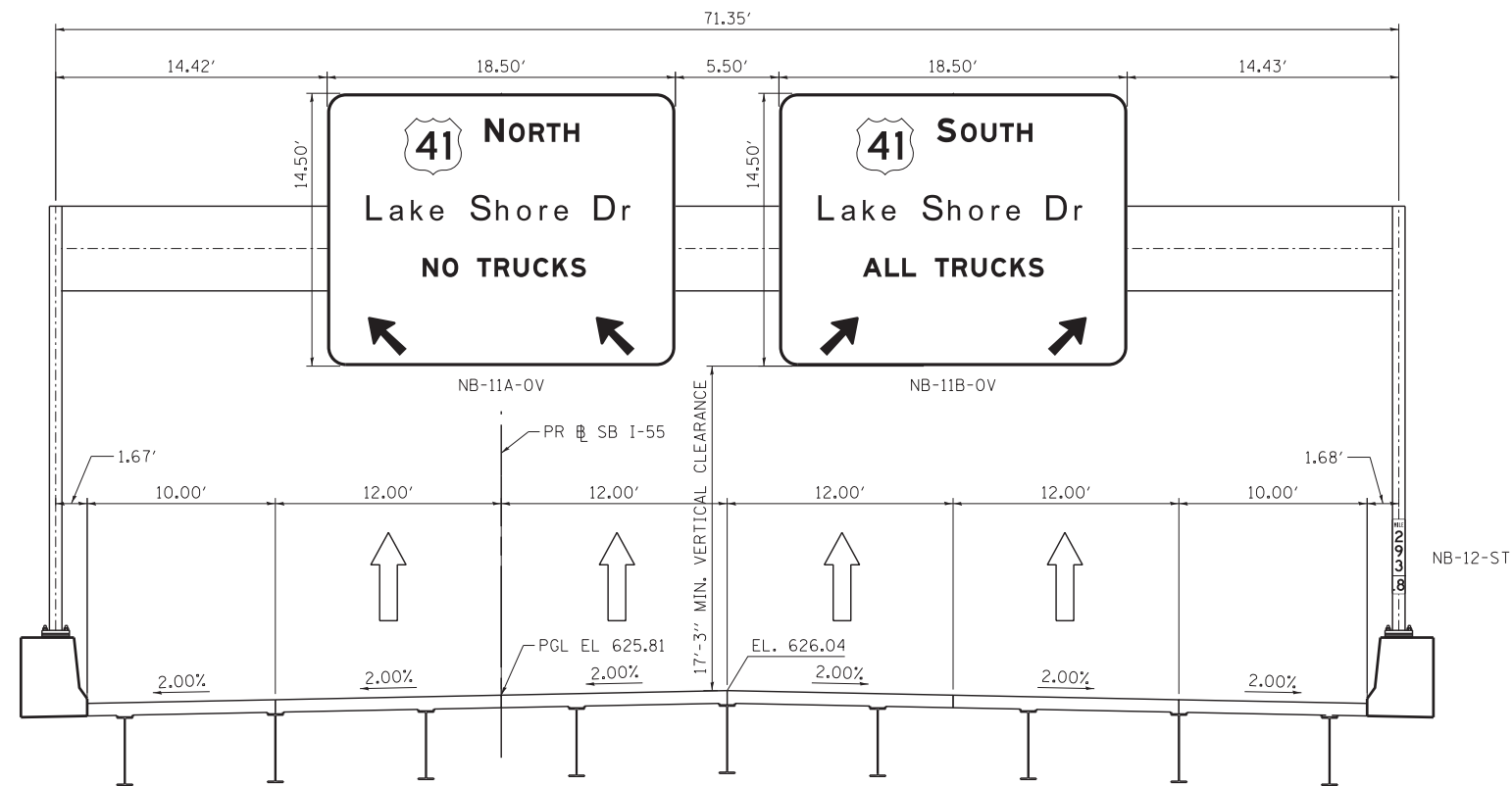
CHECKED - MJE	DATE - 5/26/2015
REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

OVERHEAD SIGN PANEL PLACEMENT

SCALE: NONE SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	253
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



PROPOSED OVERHEAD SIGN STRUCTURE – SPAN, TYPE I-A
STA 193+12.00 (PR 55NB)
NB I-55
LOOKING EAST

FILE NAME = D:\007-Sht-OverheadStruct-03.dgn



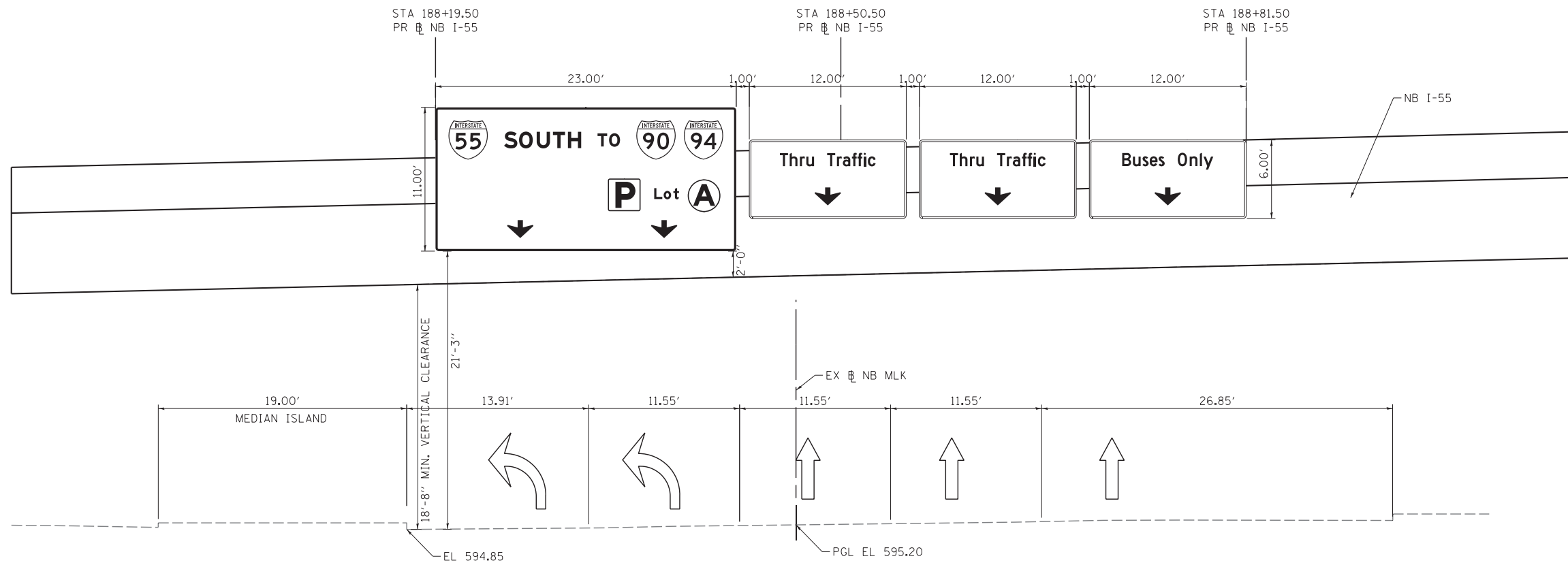
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PLOT SCALE = 5.0000' / 1" =	CHECKED - MJE	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN PANEL PLACEMENT

SCALE: NONE SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	254
CONTRACT NO. 60X07			ILLINOIS FED. AID PROJECT	



PROPOSED OVERHEAD SIGN STRUCTURE – BRIDGE MOUNTED
STA 20+38.00 (EX MLK NB)
NB MLK
LOOKING NORTH

FILE NAME = D:\0207-Sht-OverheadStruc-04.dgn



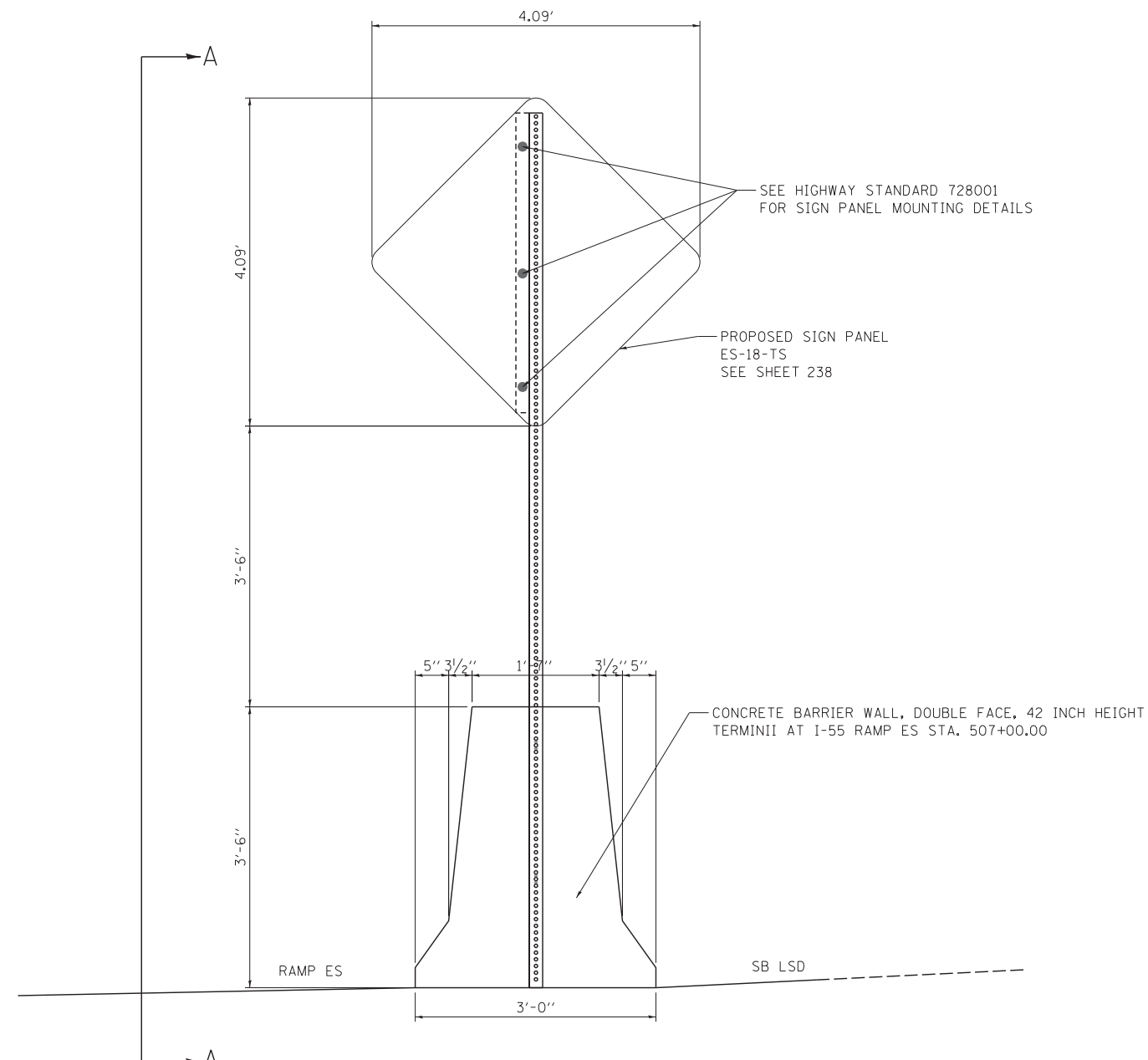
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	DRAWN - BMC	REVISED -
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PLOT DATE = 5/24/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

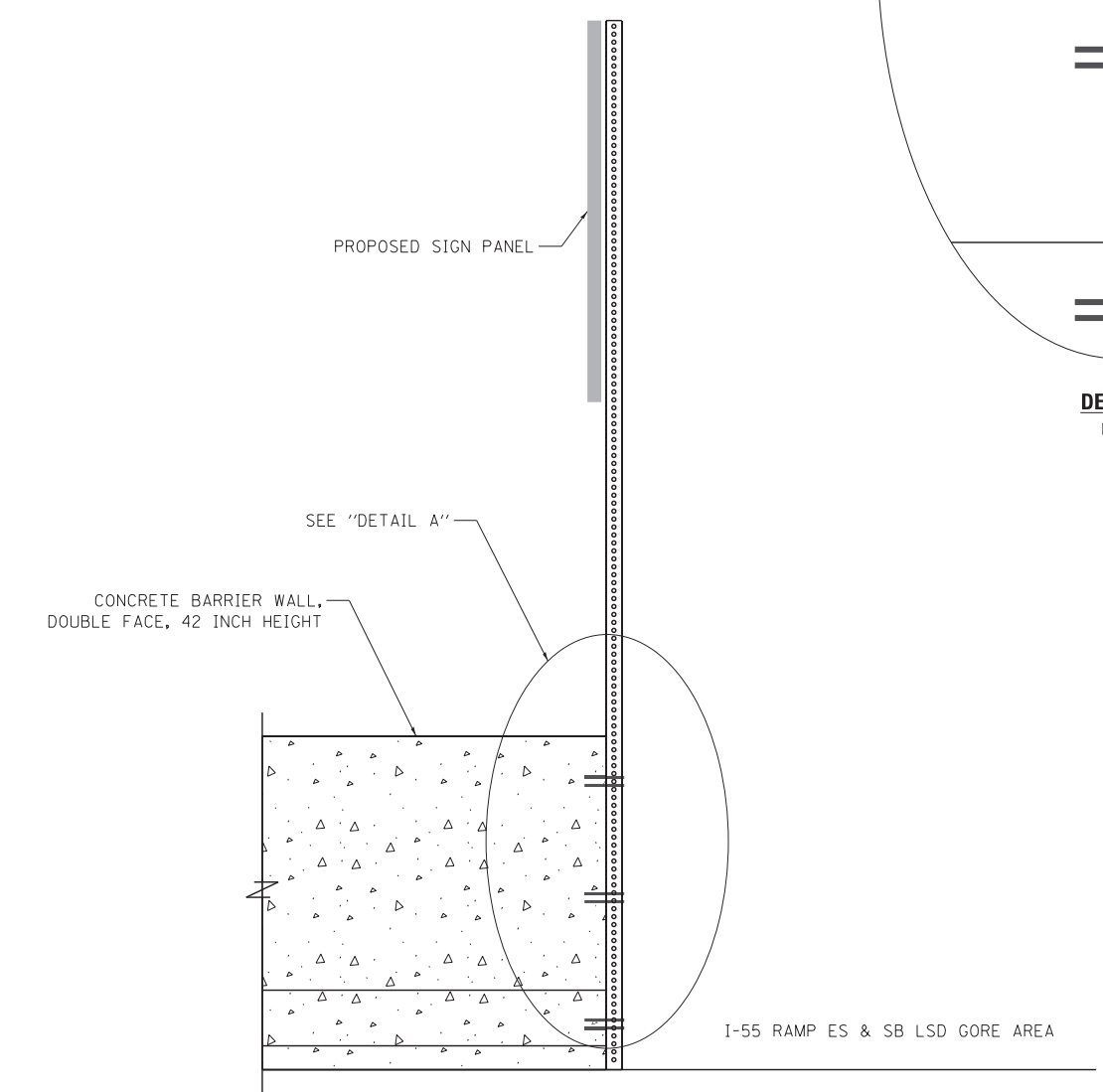
OVERHEAD SIGN PANEL PLACEMENT

SCALE: NONE SHEET NO. 4 OF 4 SHEETS STA. TO STA.

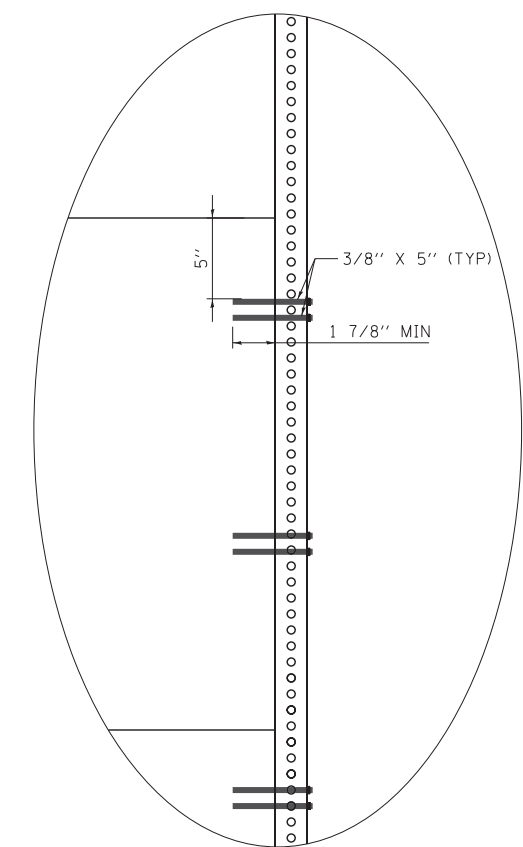
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	255
				CONTRACT NO. 60X07
ILLINOIS FED. AID PROJECT				



END VIEW
CONCRETE BARRIER WALL, DOUBLE FACE, 42" HEIGHT
 N.T.S.



VIEW A-A
 N.T.S.



DETAIL A
 N.T.S.

FILE NAME = D:\07-07-Signing-Telescoping-01.dgn



USER NAME = ouyeungh
 PLOT SCALE = 1,0000' / 1" =
 PLOT DATE = 5/22/2015

DESIGNED - CRH
 DRAWN - NSA
 CHECKED - MJE
 DATE - 5/26/2015

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BARRIER 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	2013-049B	COOK	888	256
CONTRACT NO. 60X07				
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.

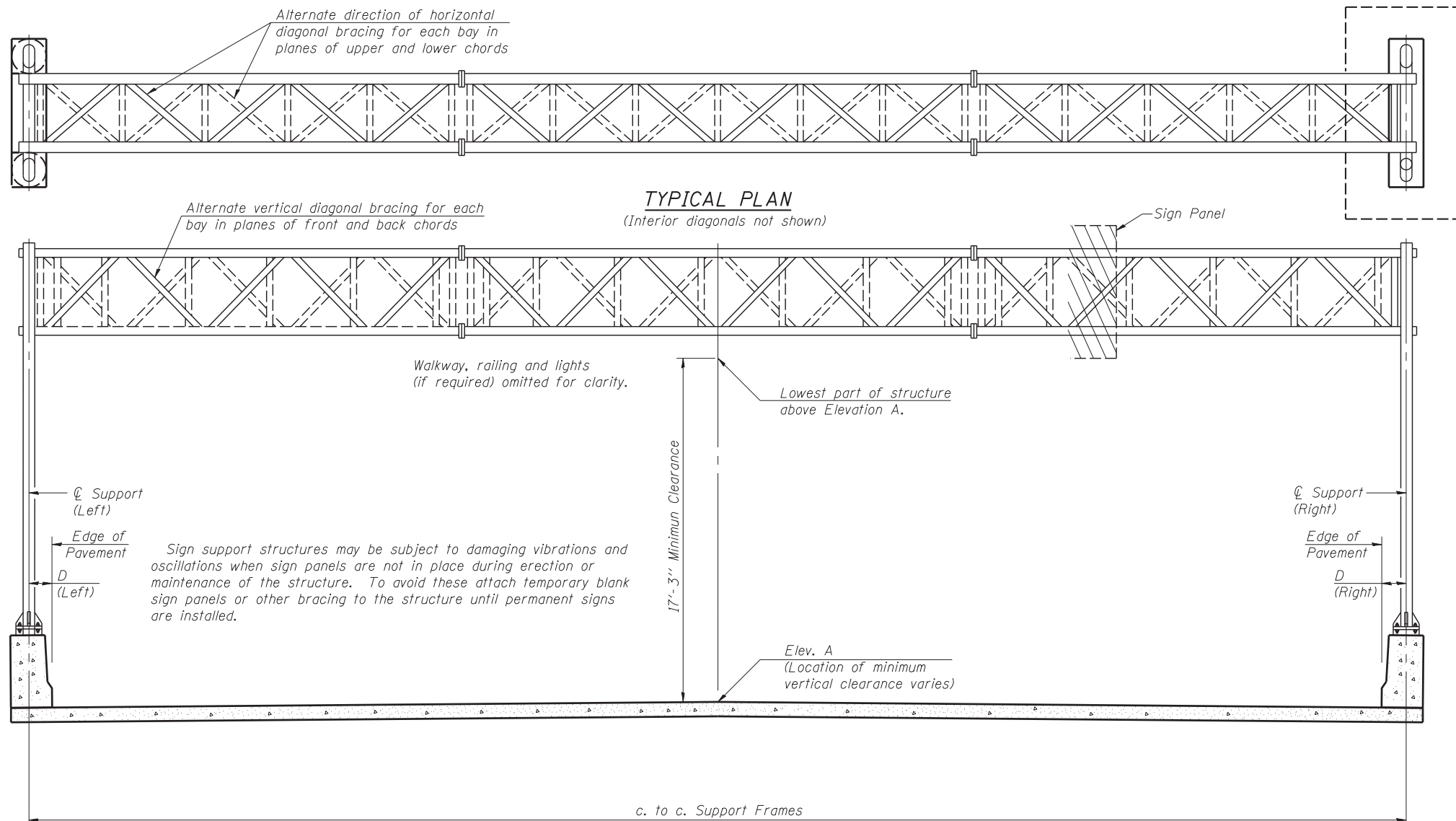
CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

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

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

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE SPAN TYPE I-A	Foot	153
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	107
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	68.0



TYPICAL ELEVATION
(Looking at Face of Signs)**

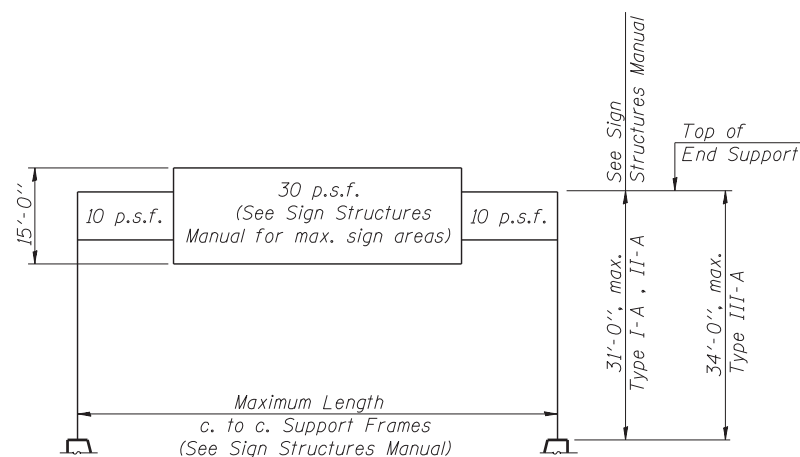
Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

Structure Number	Station	Design Truss Type	c. to c. Supports	Elev. A	Dim. D (Left)	Dim. D (Right)	Height of Tallest Sign	Total Sign Area
ISO16I055R293.8	193+12.00	I-A	71'-4 1/4"	626.04	1'-8 1/8"	1'-8 1/8"	14'-6"	536.50 Sq.Ft.
ISO16I055R293.6	181+09.00	I-A	81'-0"	598.04	6'-7 1/4"	6'-1"	14'-6"	536.50 Sq.Ft.
ISO16I055R293.5	75+57.00	II-A	107'-0"	582.97	6'-3 7/8"	22'-5 1/2"	14'-6"	722.75 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 60X07. 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.



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.

OS-A-1 8-21-13



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	CHECKED - CLS	REVISED -

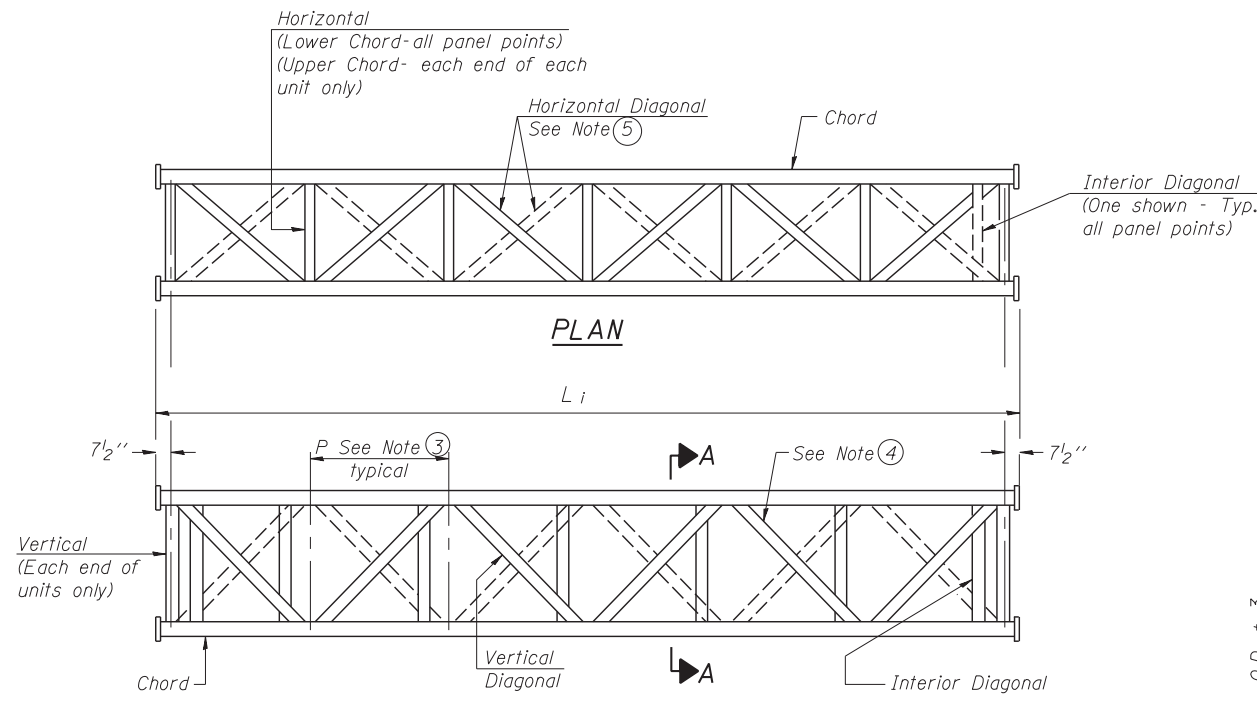
STATE OF ILLINOIS
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OVERHEAD SIGN STRUCTURES - GENERAL PLAN & ELEVATION
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)

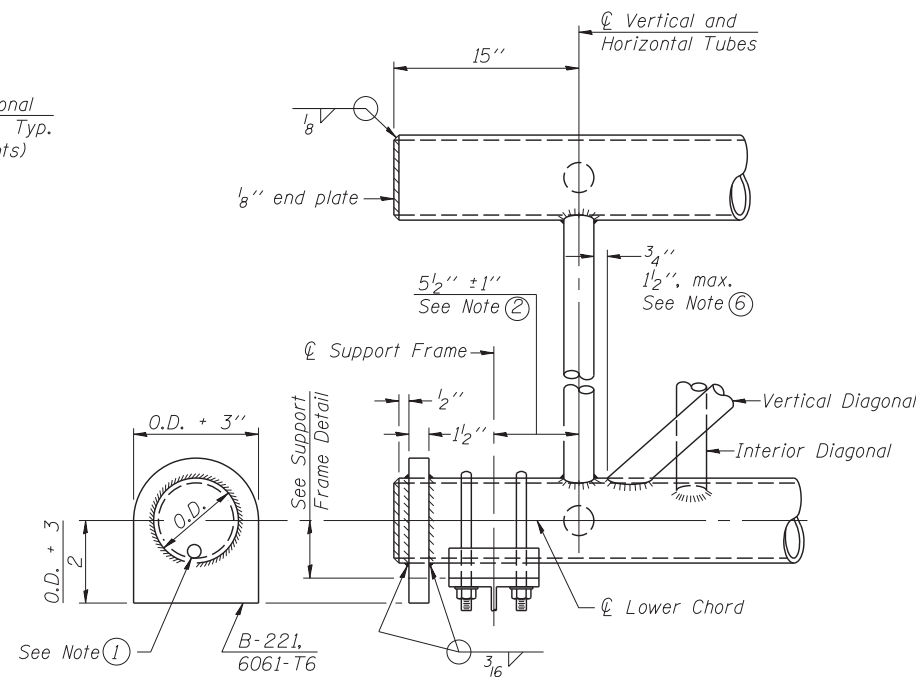
SHEET NO. 1 OF 15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	257
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

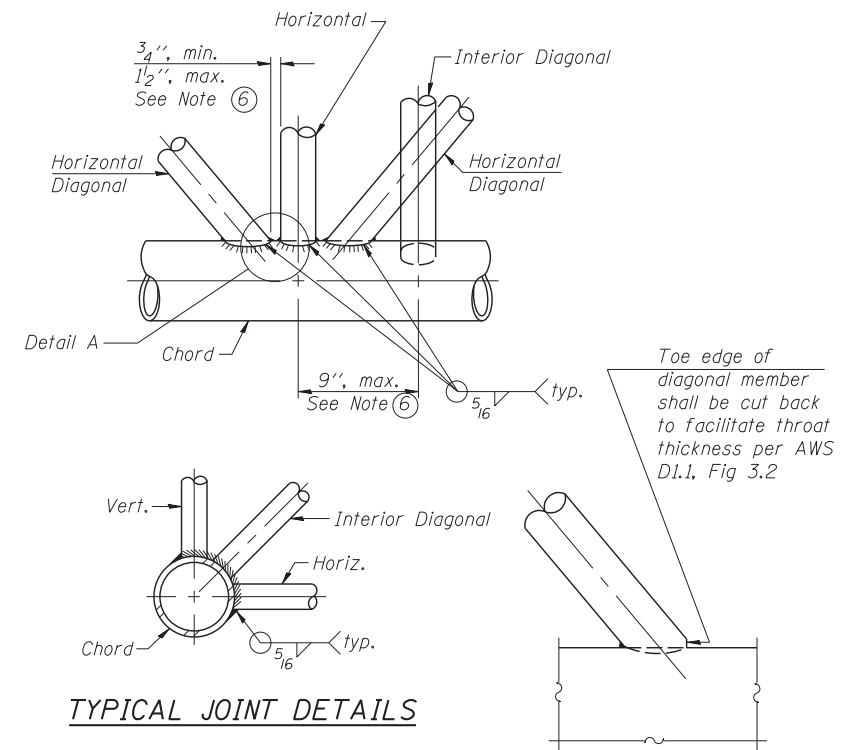
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**ELEVATION
TYPICAL INTERIOR UNIT**
Even number of panels/interior unit required.

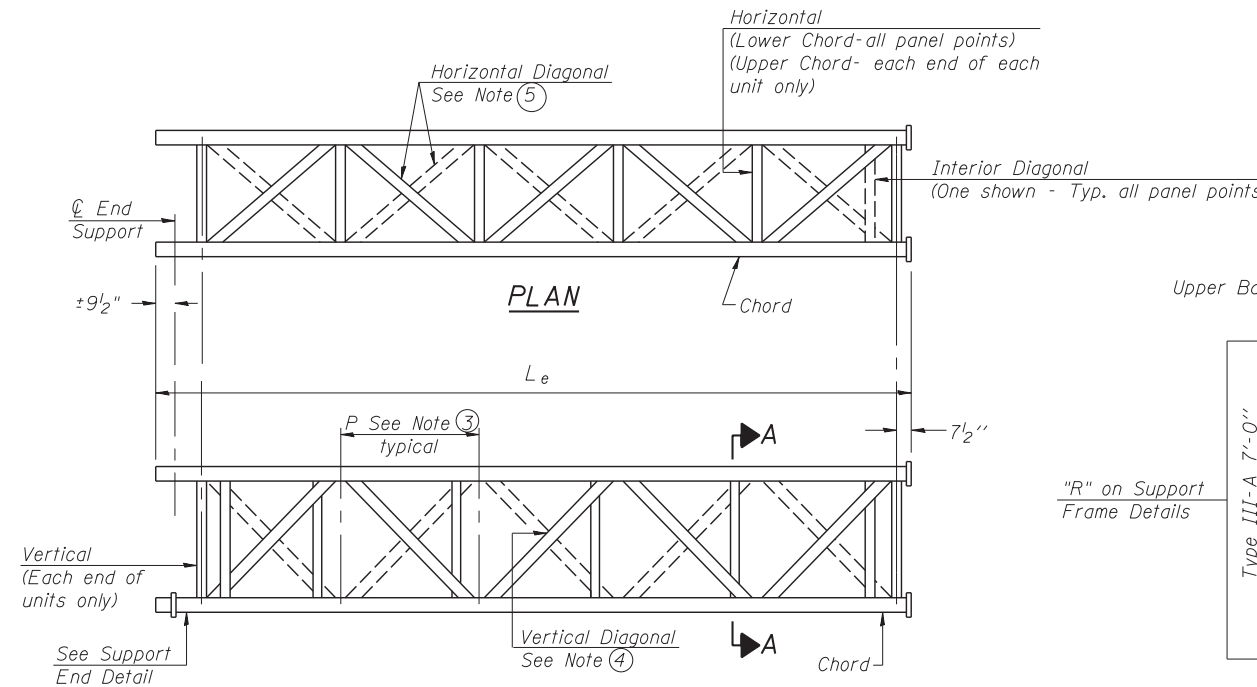


SUPPORT END DETAIL FOR EXTERIOR UNIT

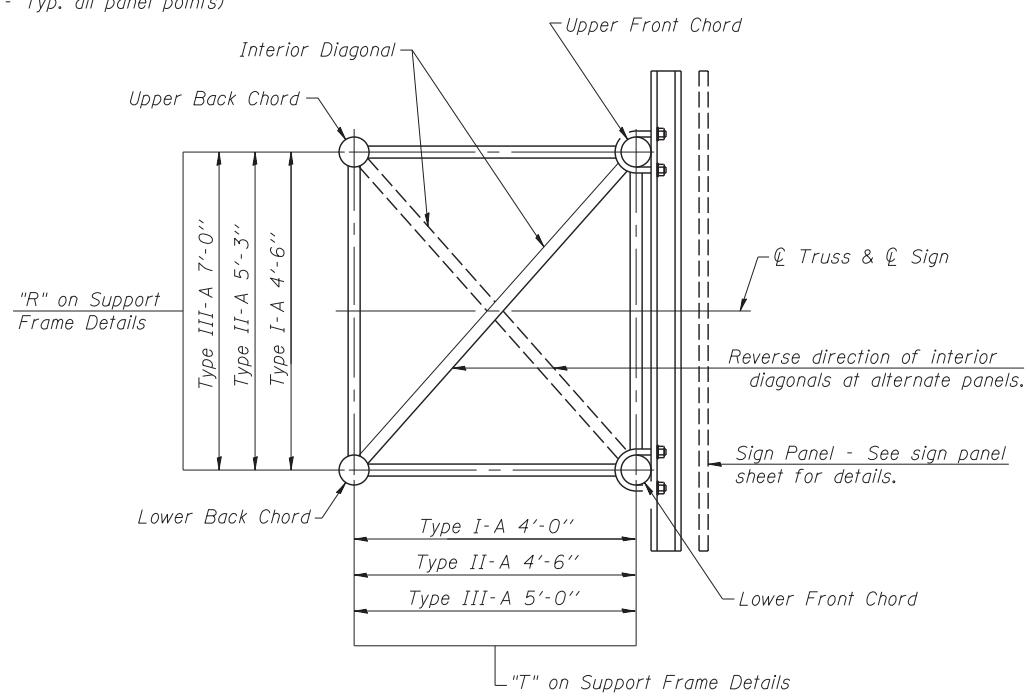


TYPICAL JOINT DETAILS

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.

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OS-A-2

6-1-12



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DEPARTMENT OF TRANSPORTATION**

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

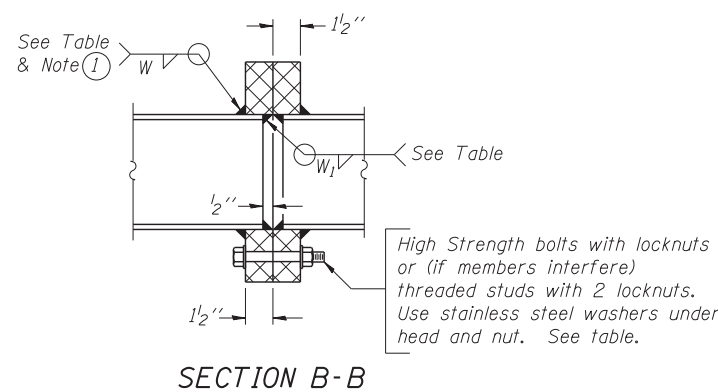
F.A.I. RTE. = 55	SECTION = 2013-049B	COUNTY = COOK	TOTAL SHEETS = 888	SHEET NO. = 258
CONTRACT NO. 60X07				

SHEET NO. 2 OF 15 SHEETS

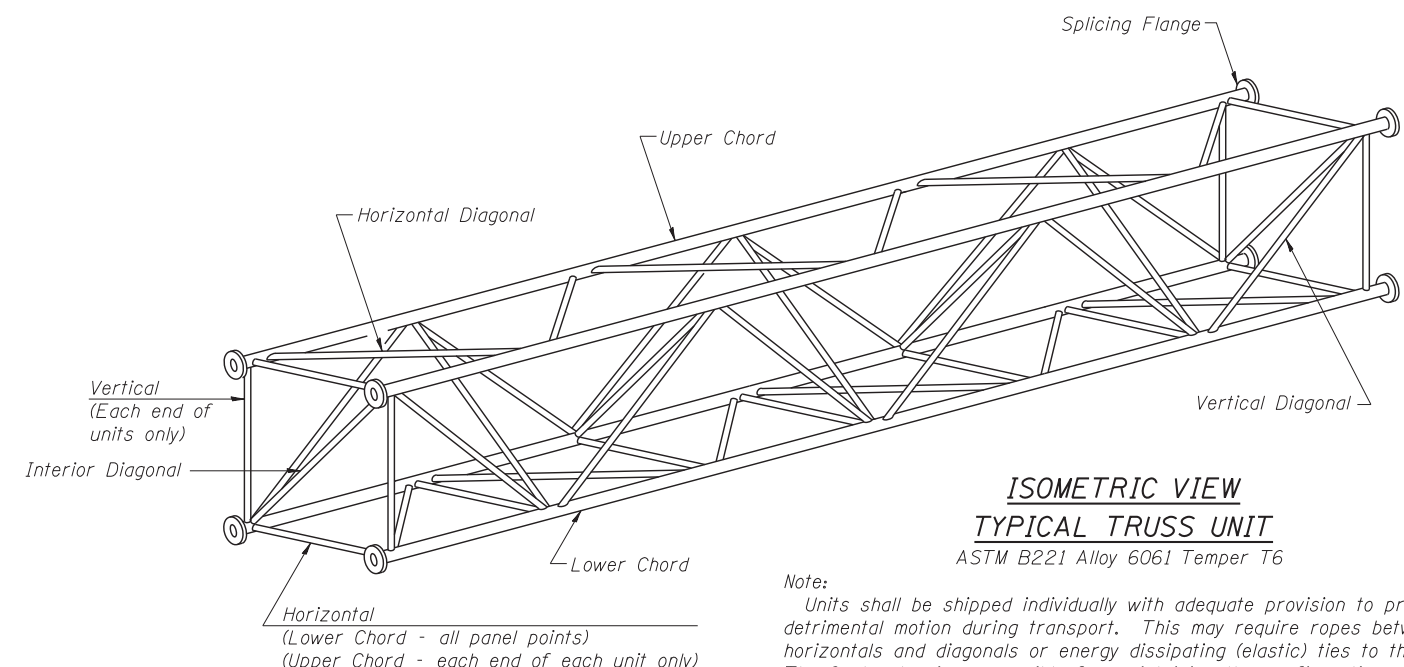
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TRUSS UNIT TABLE

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		
ISO161055R293.8	193+12.00	I-A	7	36'-5 1/4"	4'-11 1/4"	-	-	-	-	5"	5/16"	2 1/2"	5/16"	1 7/8"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
ISO161055R293.6	181+09.00	I-A	5	26'-1 3/4"	4'-10 1/4"	1	6	30'-4 1/2"	4'-10 1/4"	5"	5/16"	2 1/2"	5/16"	2 1/4"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
ISO161055R293.5	75+57.00	II-A	7	38'-2 1/4"	5'-2 1/4"	1	6	32'-4 1/2"	5'-2 1/4"	6 1/2"	5/16"	3"	5/16"	3 5/8"	6	1"	3/8"	1/4"	11"	1'-2 1/2"

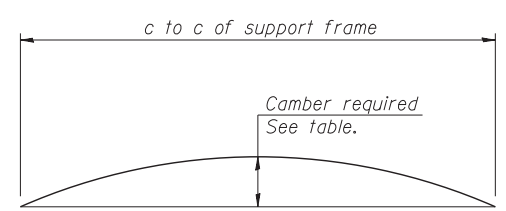


① Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining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



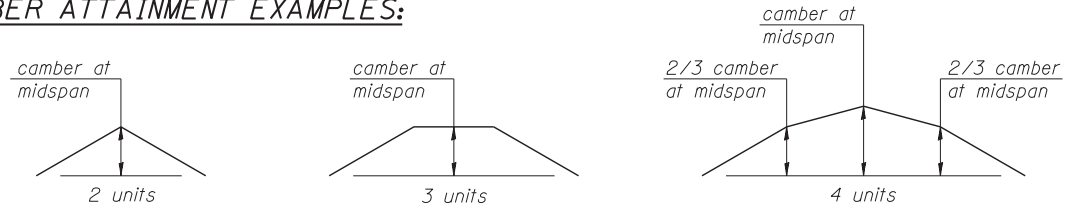
**ISOMETRIC VIEW
TYPICAL TRUSS UNIT**
ASTM B221 Alloy 6061 Temper T6

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.

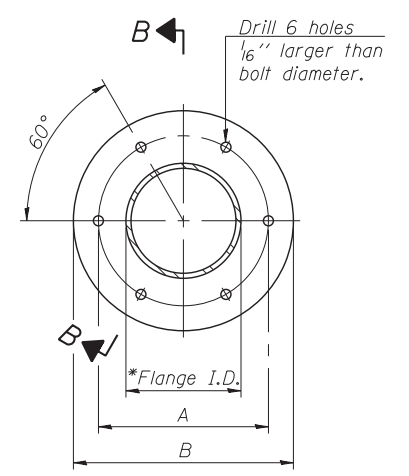


CAMBER DIAGRAM
Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

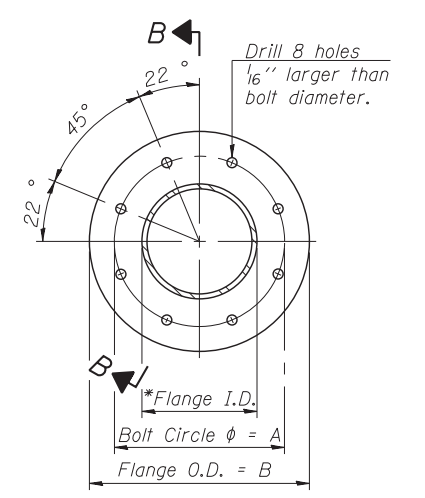
CAMBER ATTAINMENT EXAMPLES:



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



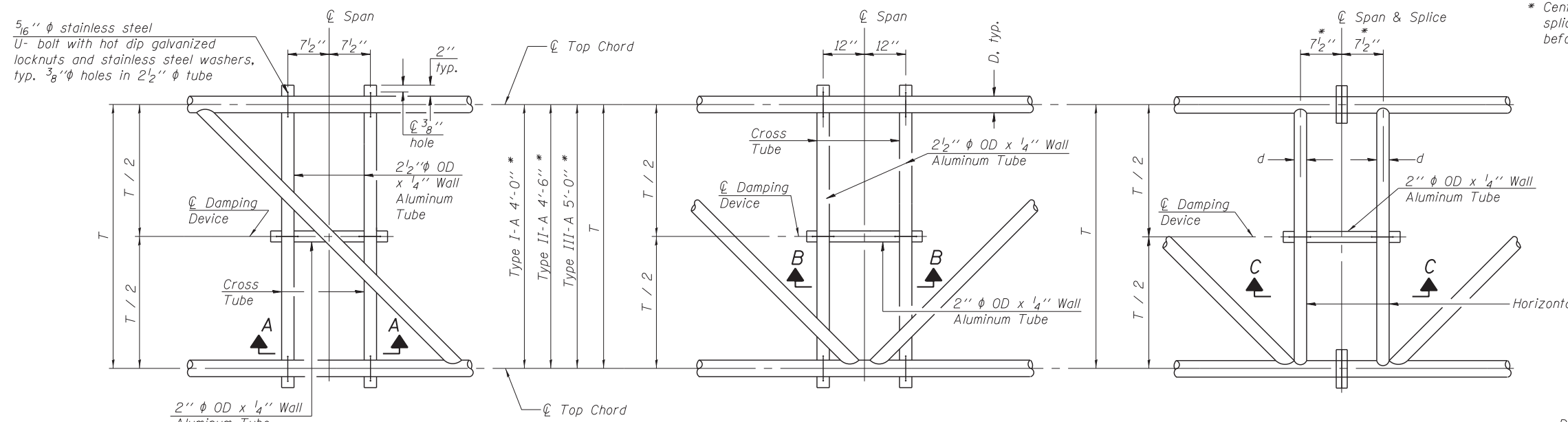
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PLOT DATE = 5/22/2015	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

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DEPARTMENT OF TRANSPORTATION**

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

SHEET NO. 3 OF 15 SHEETS

F.A.I. RTE. = 55	SECTION = 2013-049B	COUNTY = COOK	TOTAL SHEETS = 888	SHEET NO. = 259
CONTRACT NO. 60X07			ILLINOIS FED. AID PROJECT	



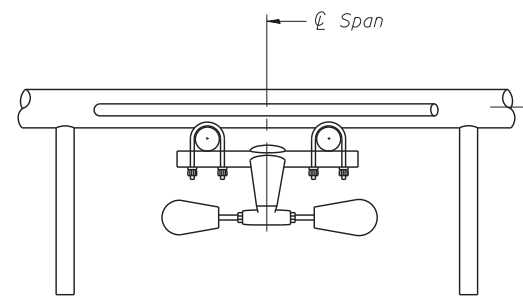
PLAN DETAIL "A"
 ☐ Span between Panel Points

PLAN DETAIL "B"
 ☐ Span at Panel Point

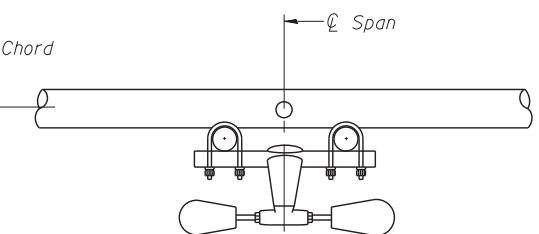
PLAN DETAIL "C"
 ☐ Span at ☐ Chord Splice

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

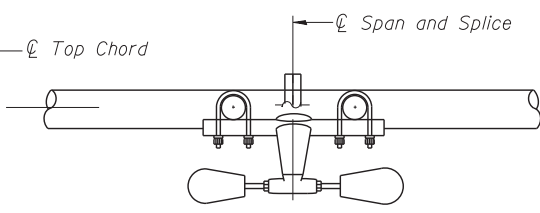
NOTES
 Damper: One damper per truss. (31 lbs. minimum Stockbridge-Type Aluminum - 29" minimum between ends of weights) Cost included in Overhead Sign Structure...
 Materials: Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



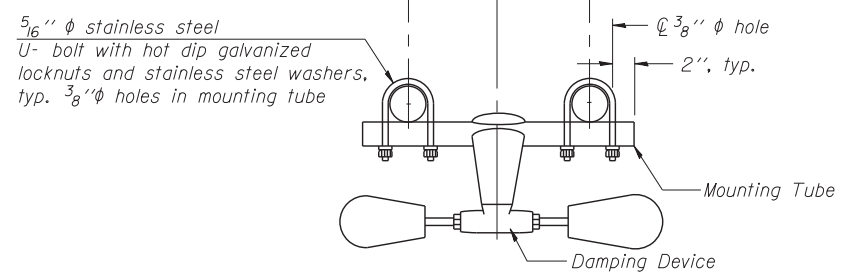
SECTION A-A



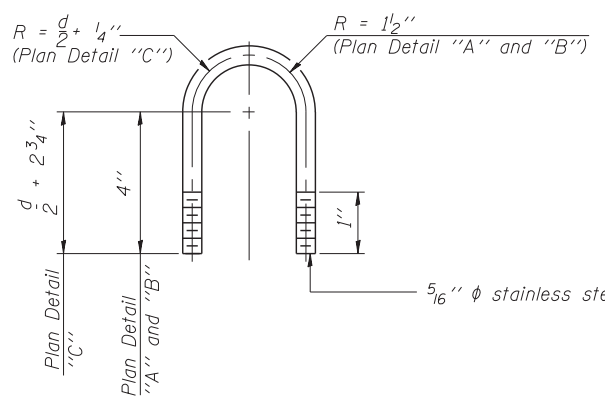
SECTION B-B



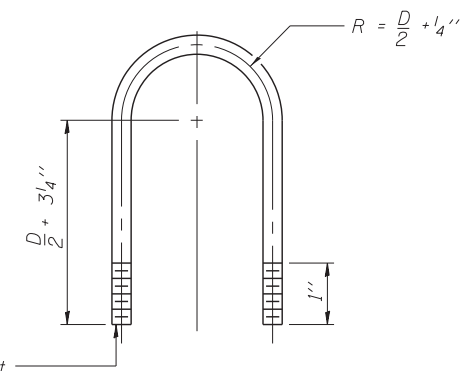
SECTION C-C



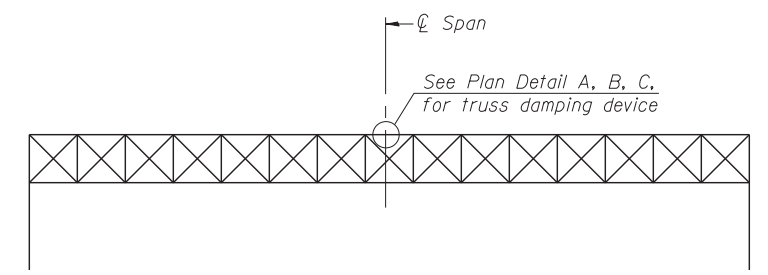
TRUSS DAMPING DEVICE CONNECTION DETAIL
 (Typical)



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



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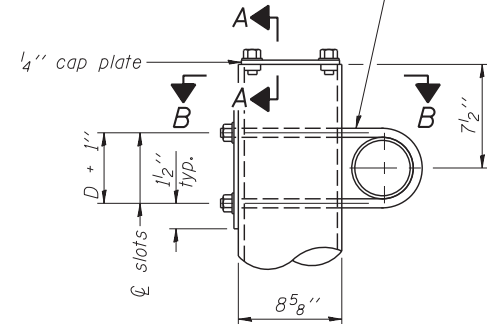
**OVERHEAD SIGN STRUCTURE - DAMPING DEVICE
 I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)**

SHEET NO. 4 OF 15 SHEETS

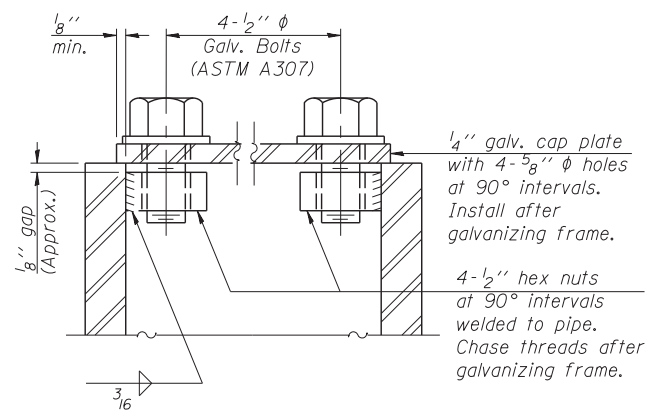
F.A.I. RTE. = 55	SECTION = 2013-049B	COUNTY = COOK	TOTAL SHEETS = 888	SHEET NO. = 260
				CONTRACT NO. 60X07

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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)

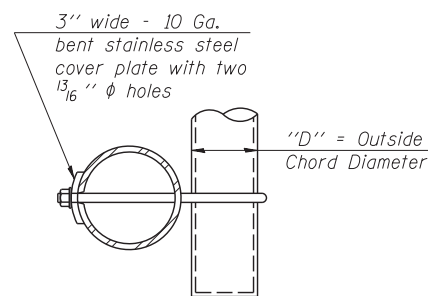


DETAIL A

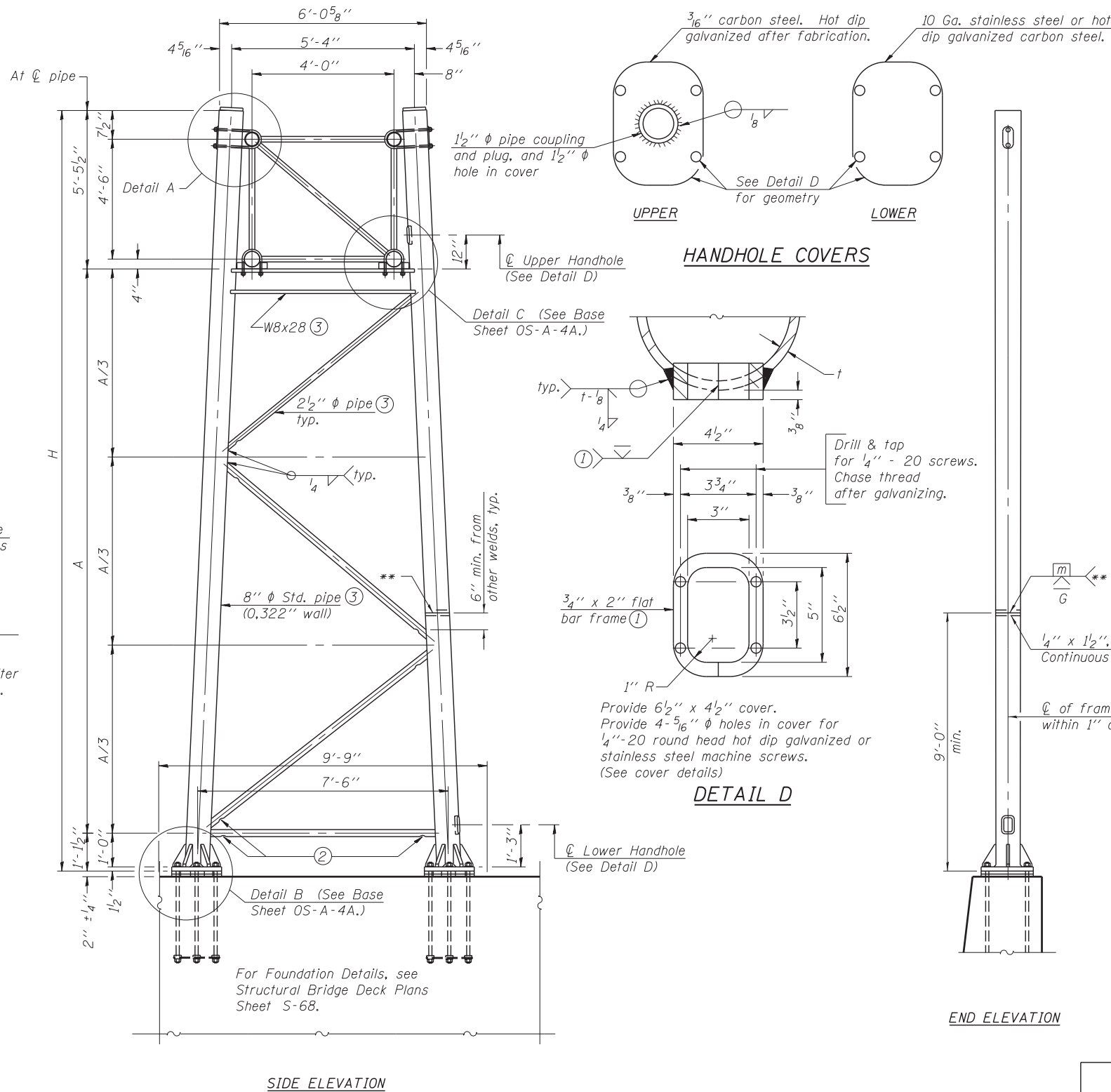


SECTION A-A

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



SECTION B-B



SIDE ELEVATION

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.

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.

Structure Number	Station	Support		H ⑥	A
		Left	Right		
ISO161055R293.8	193+12.00			25'-0"	18'-5"

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OS-A-4

6-1-12



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	CHECKED - CLS	REVISED -

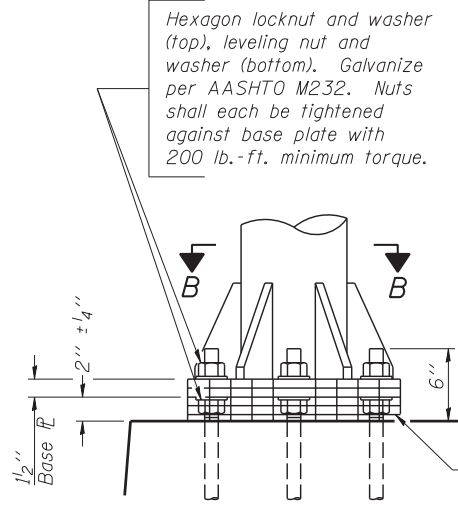
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

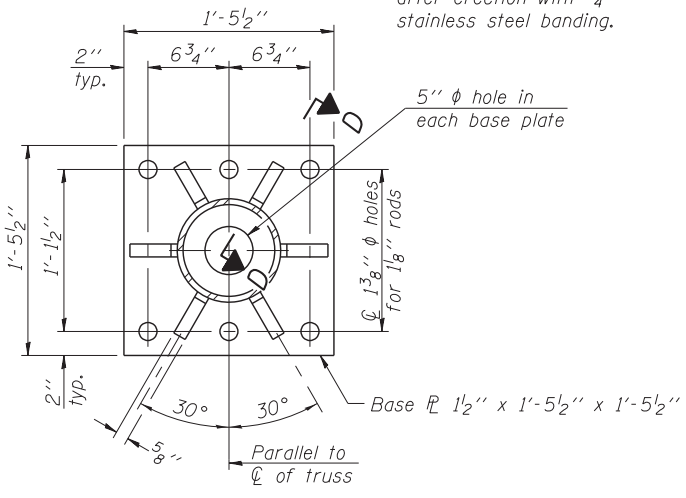
F.A.I. RTE. = 55	SECTION = 2013-049B	COUNTY = COOK	TOTAL SHEETS = 888	SHEET NO. = 261
CONTRACT NO. 60X07				

SHEET NO. 5 OF 15 SHEETS

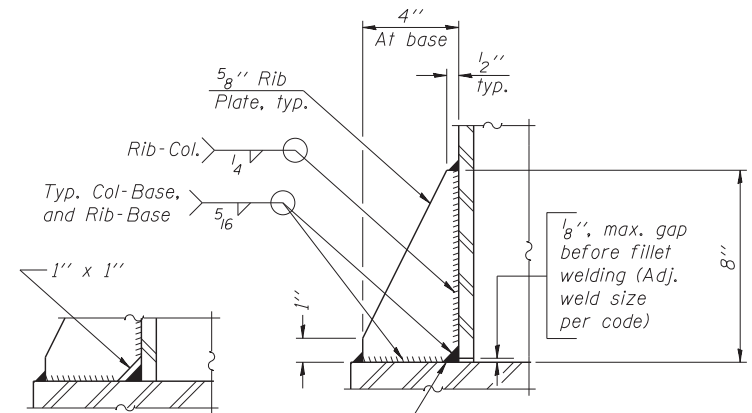
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DETAIL B
 Ribs shall be cut to fit slope of pipe. Stainless Steel Standard Grade Wire Cloth, 3" wide, 1/4" maximum opening with a minimum wire diameter of AWG. No. 16 with a minimum 2" lap. Secure to base plate after erection with 3/4" stainless steel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

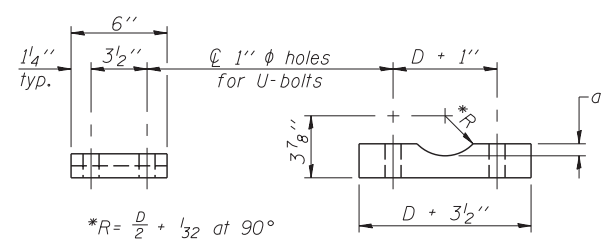


SECTION B-B



** 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.**

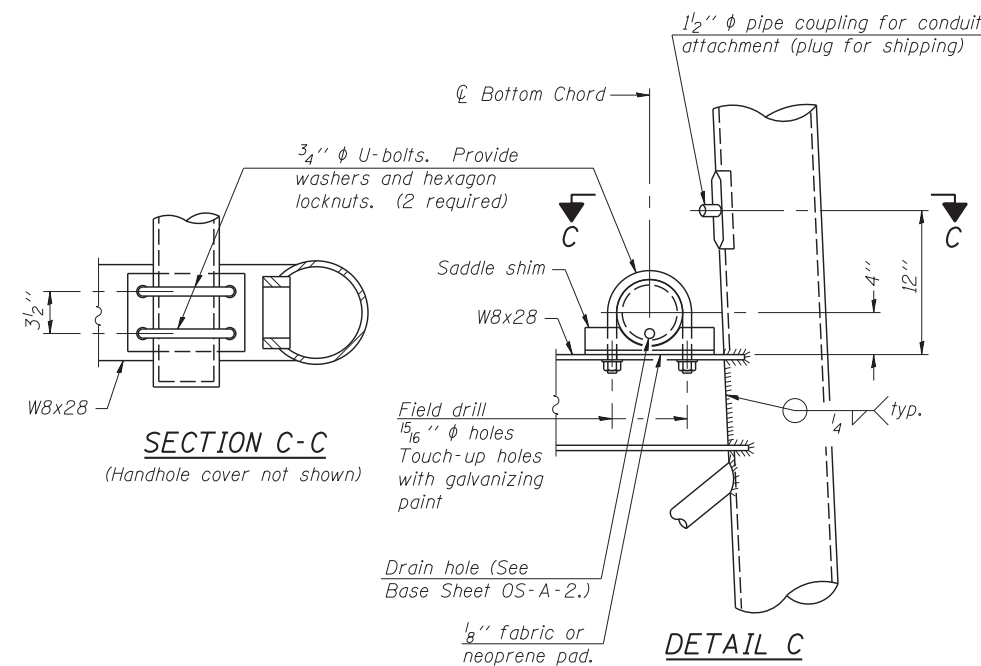
SECTION D-D



*R = $\frac{D}{2} + \frac{1}{32}$ at 90°
 D = Outside Diameter of Chord.

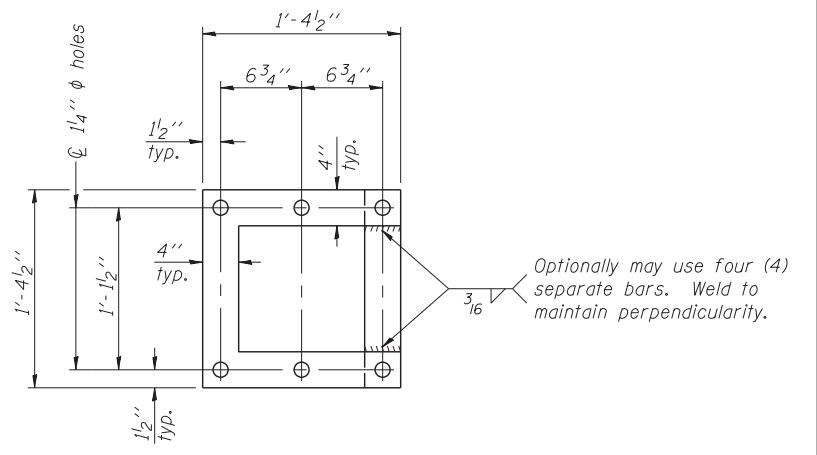
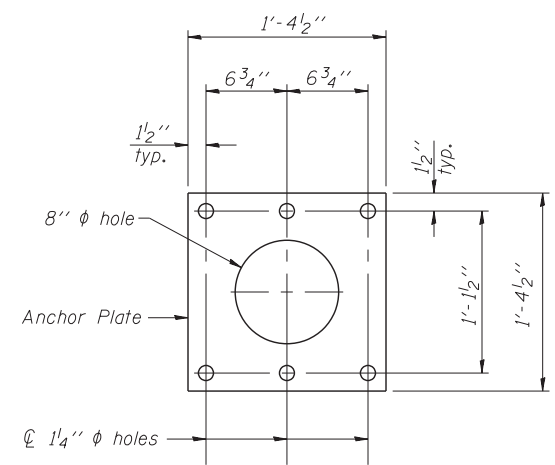
SADDLE SHIM DETAIL
 ASTM B26 Alloy 356-F
 or
 ASTM B209 Alloy 6061-T651
 (4 required per sign truss)

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

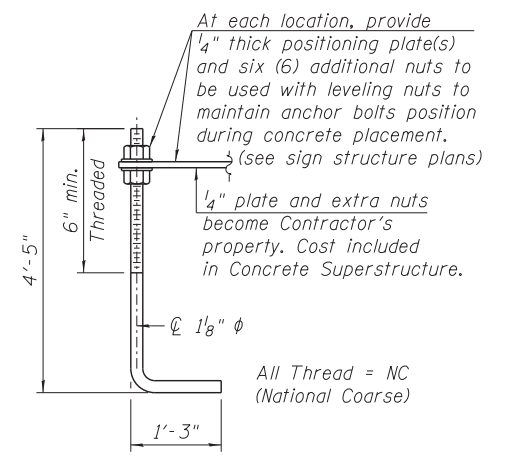


SECTION C-C
 (Handhole cover not shown)

DETAIL C



POSITIONING PLATE(S)



ANCHOR ROD DETAIL

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

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

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

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OS-A-4A

6-1-12



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PLOT DATE = 5/22/2015	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

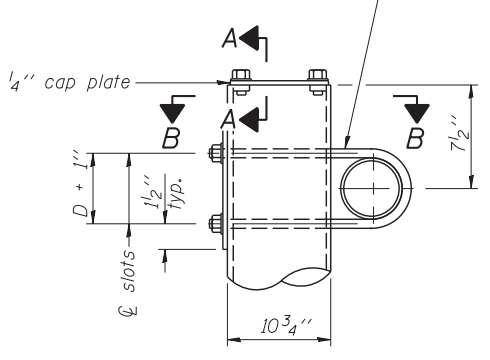
STATE OF ILLINOIS
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OVERHEAD SIGN STRUCTURES - SUPPORT FRAME DETAILS
 I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)

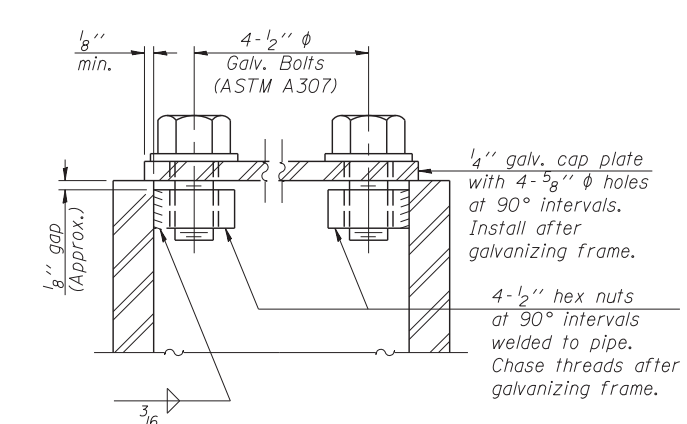
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	262
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

SHEET NO. 6 OF 15 SHEETS

$\frac{3}{4}$ " ϕ stainless steel U-bolt.
Provide two washers and two hexagon locknuts. (4)
 $\frac{13}{16}$ " x 2" slots on ϕ 10" ϕ pipe.
(4 slots required per pipe)

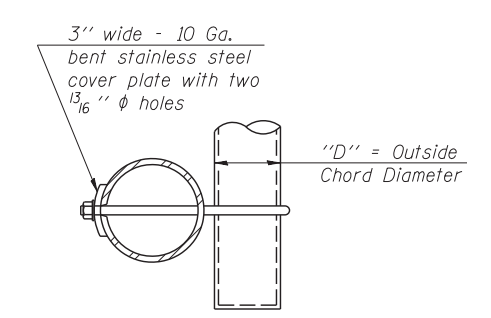


DETAIL A

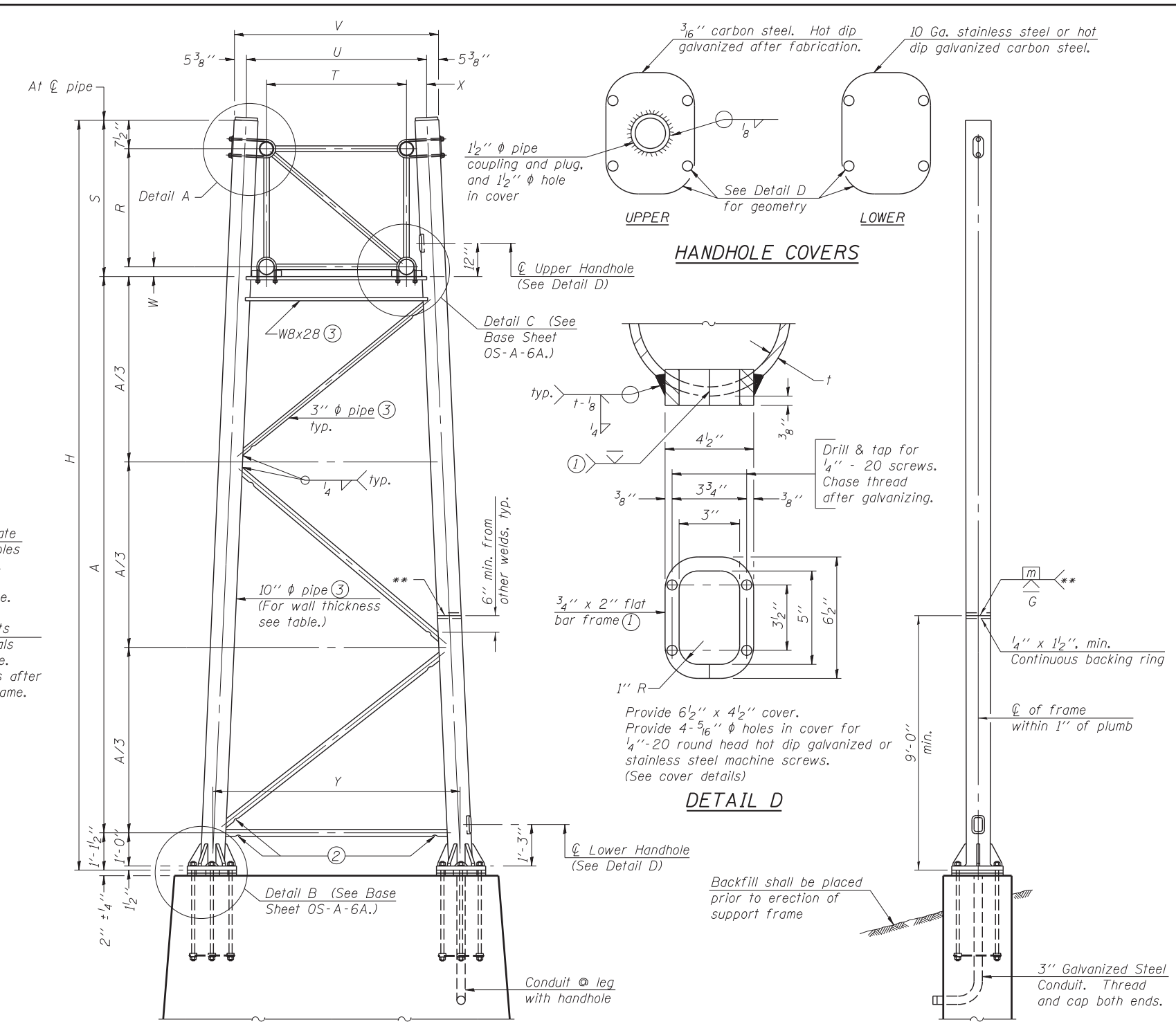


SECTION A-A

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



SECTION B-B



For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

SIDE ELEVATION

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 μ m 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.

Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
I-A	4'-6"	5'-5 1/2"	4'-0"	5'-6"	6'-4 3/4"	4"	9"	8'-3"
II-A ⑤	5'-3"	6'-3 1/4"	4'-6"	6'-1"	6'-11 3/4"	4 3/4"	9 1/2"	8'-3"

10" 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		Truss Type	Pipe Wall Thickness	H ⑥	A
		Left	Right				
ISO161055R293.6	181+09.00	X		I-A	0.279"	25'-8"	19'-1"
ISO161055R293.6	181+09.00		X	I-A	0.279"	26'-11 5/8"	20'-4 5/8"
ISO161055R293.5	75+57.00	X		II-A	0.365"	24'-4 7/8"	17'-9 7/8"
ISO161055R293.5	75+57.00		X	II-A	0.365"	23'-6 3/4"	16'-11 3/4"

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OS-A-6

6-1-12

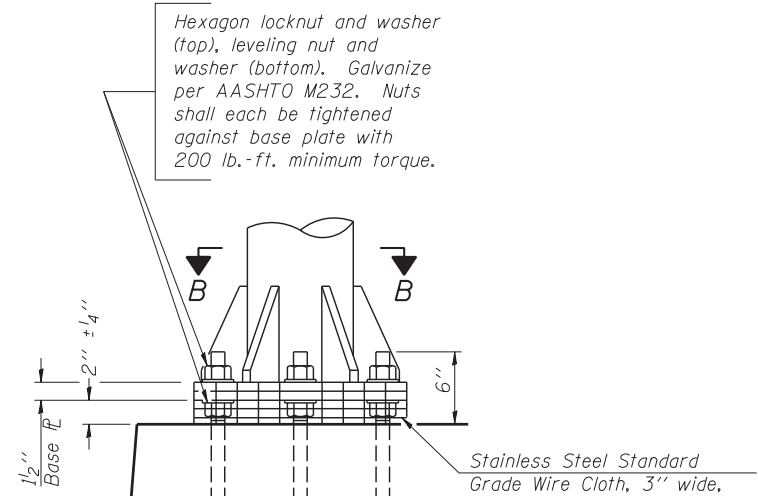
AECOM	USER NAME = auyeungh	DESIGNED - VP	REVISED -
	PLOT SCALE =	CHECKED - ATB	REVISED -
	PLOT DATE = 5/22/2015	DRAWN - MRK	REVISED -
		CHECKED - CLS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

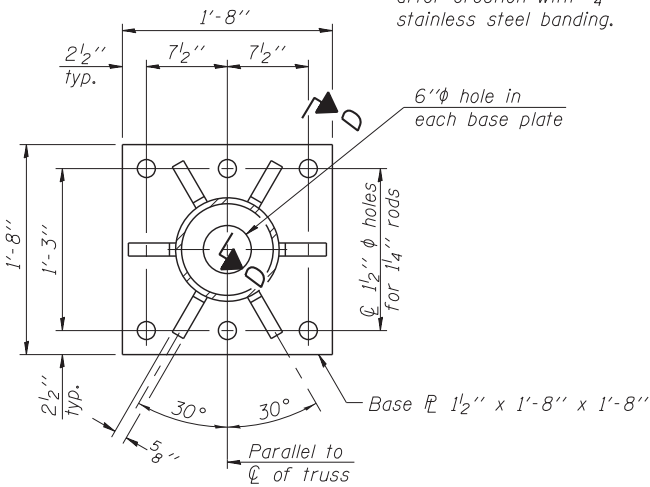
F.A.I. RTE. = 55	SECTION = 2013-049B	COUNTY = COOK	TOTAL SHEETS = 888	SHEET NO. = 263
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

SHEET NO. 7 OF 15 SHEETS

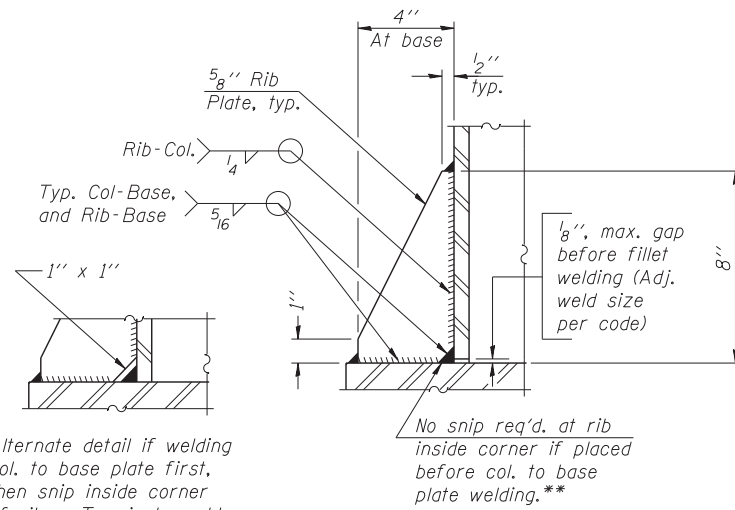


DETAIL B

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.

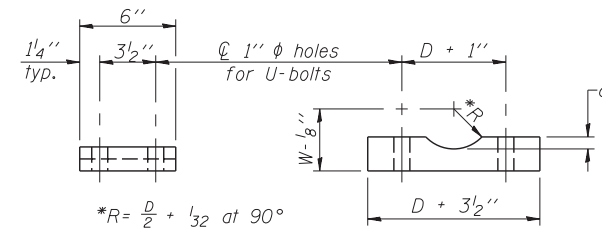


SECTION B-B



SECTION D-D

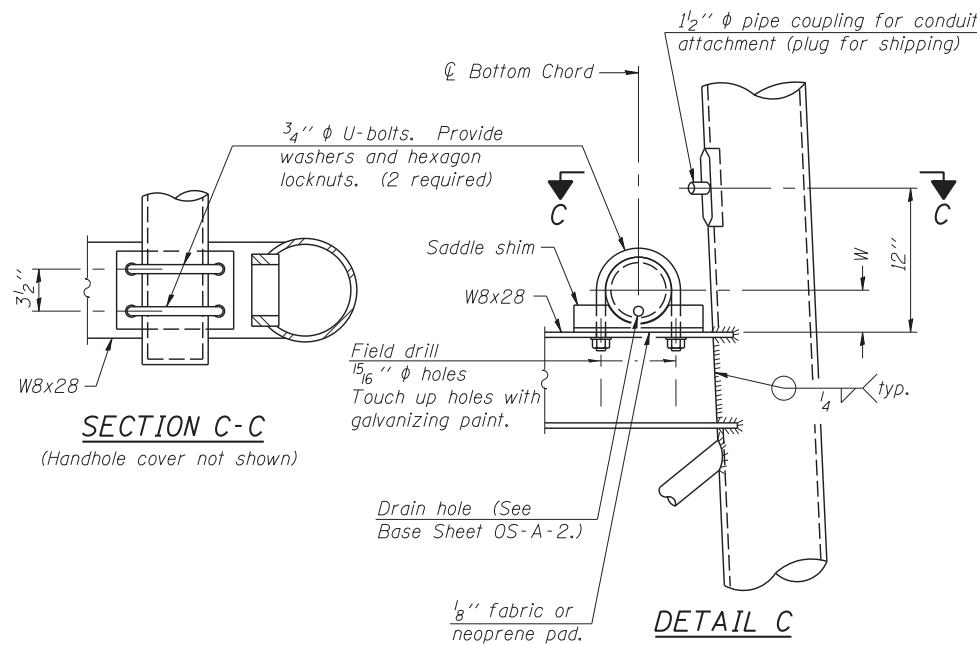
** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip.



SADDLE SHIM DETAIL

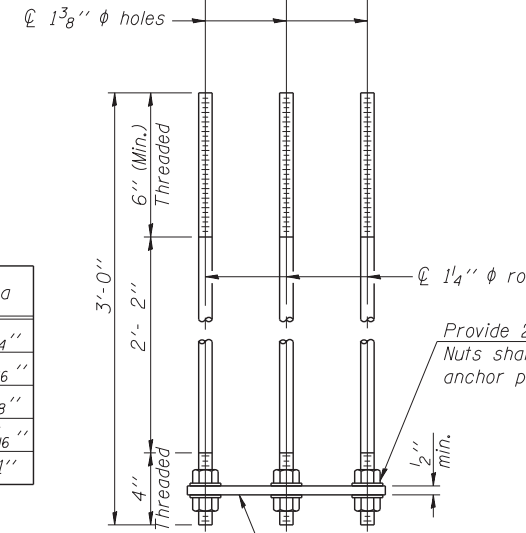
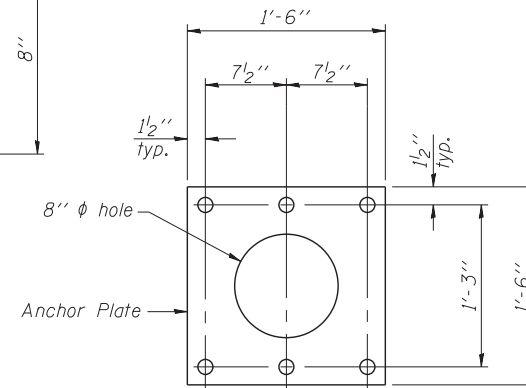
ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

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



SECTION C-C

DETAIL C

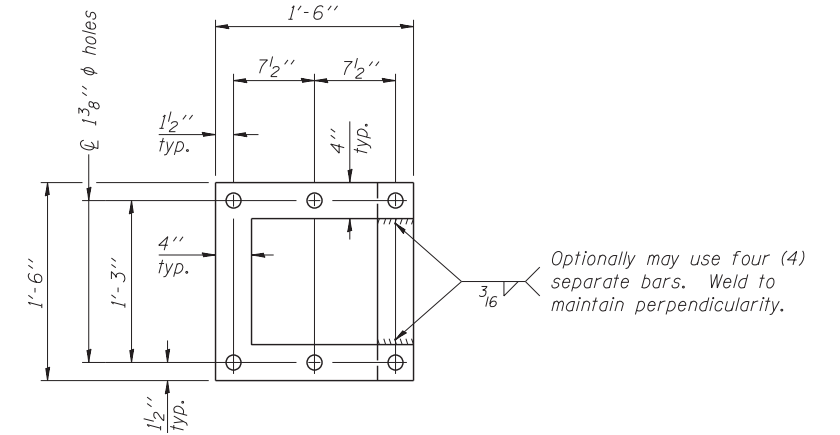


ANCHOR ROD DETAIL
Spread Footing Foundation

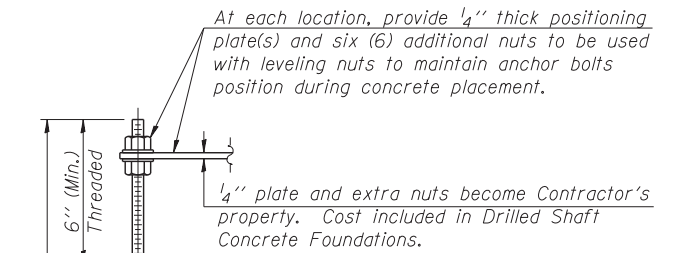
All Thread = NC (National Coarse)

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

10" Ø PIPE SUPPORT FRAME DETAILS



POSITIONING PLATE(S)



ANCHOR ROD DETAIL
Drilled Shaft Foundation

All Thread = NC (National Coarse)

OS-A-6A

6-1-12



USER NAME = auyeungh	DESIGNED - VP	REVISED -
PLOT SCALE =	CHECKED - ATB	REVISED -
PLOT DATE = 5/22/2015	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

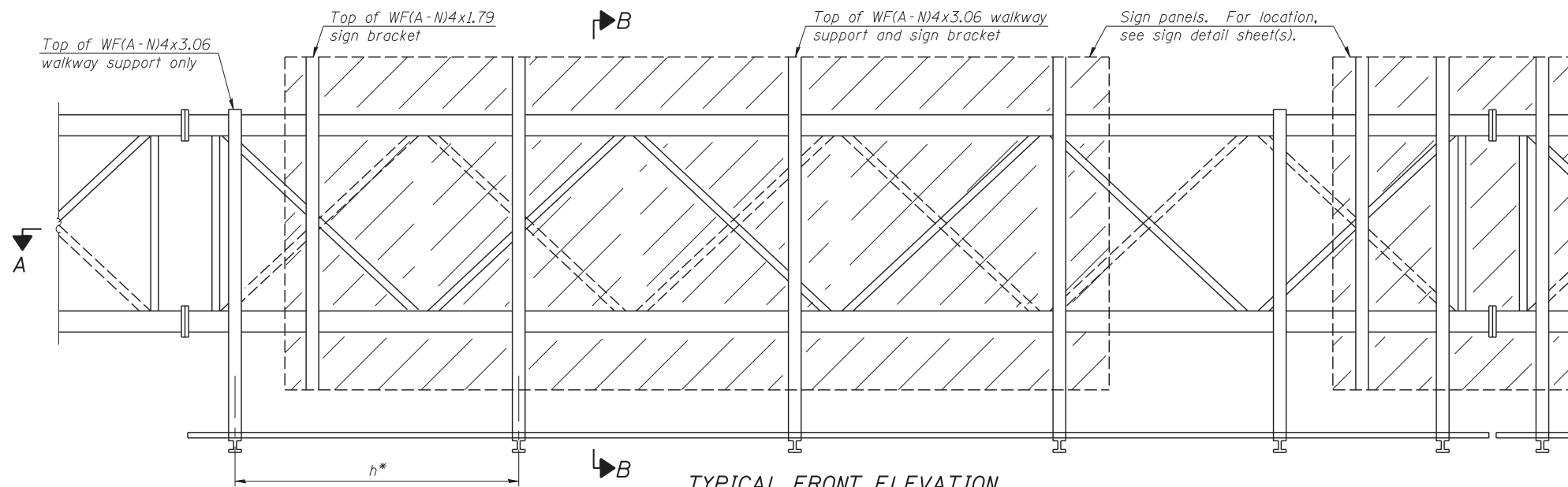
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SHEET NO. 8 OF 15 SHEETS

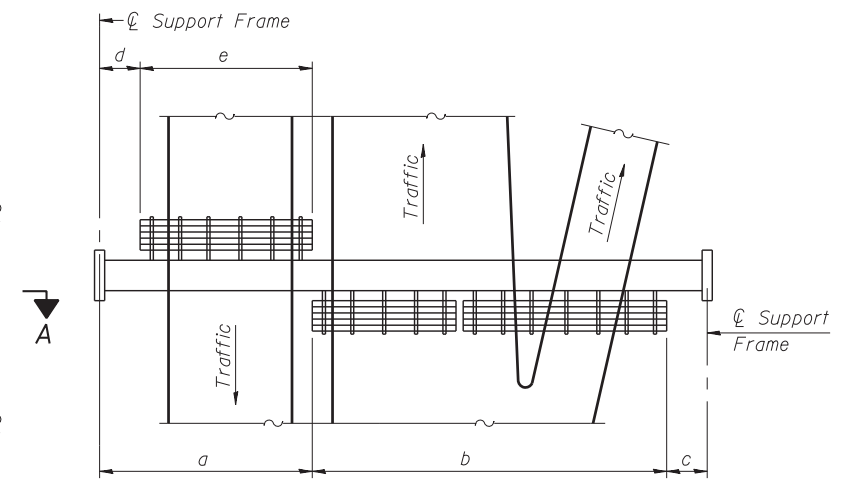
F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	264
			CONTRACT NO. 60X07	
ILLINOIS FED. AID PROJECT				

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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)

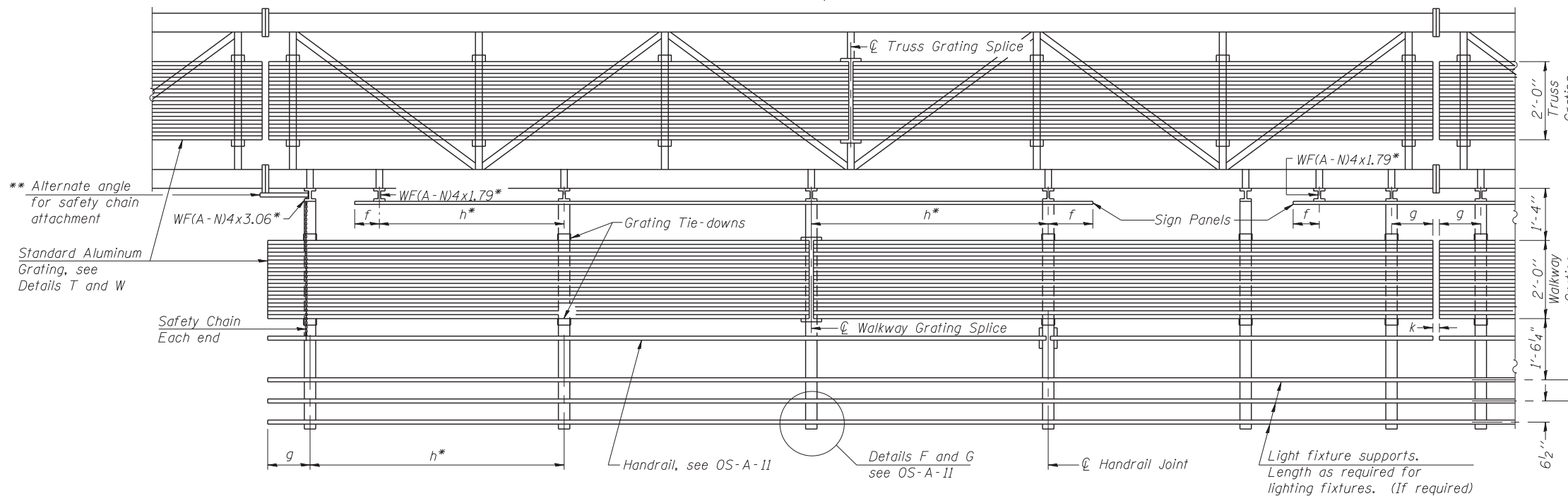
h = 6'-0" maximum (ϕ to ϕ sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)

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.



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
ISO161055R293.8	193+12.00	-	-	-	-	-	-
ISO161055R293.6	181+09.00	-	-	-	-	-	-
ISO161055R293.5	75+57.00	-	-	-	-	-	-

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.

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 60X07. The truss grating and maintenance walkway behind the sign panel will be included with this pay item.

OS-A-9

6-1-12



USER NAME = auyeungh	DESIGNED - VP	REVISED -
	CHECKED - ATB	REVISED -
PLOT SCALE =	DRAWN - MRK	REVISED -
PLOT DATE = 5/22/2015	CHECKED - CLS	REVISED -

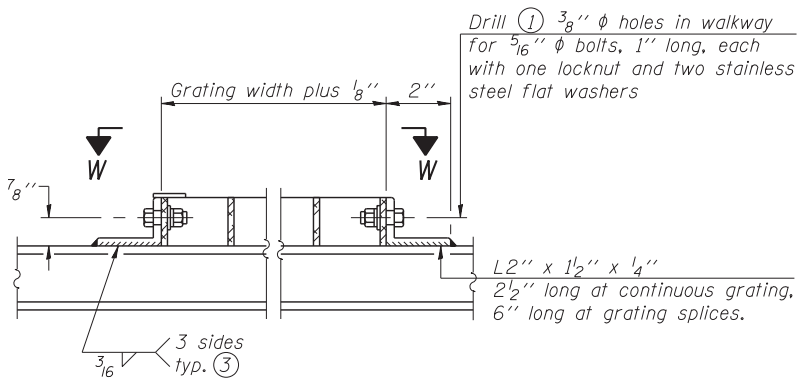
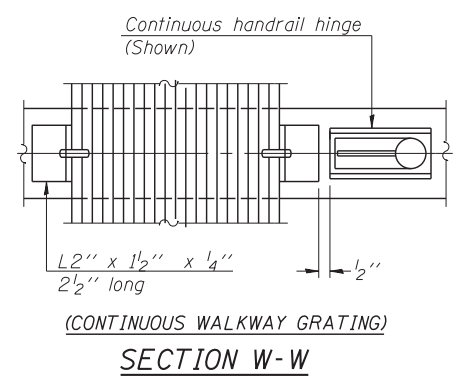
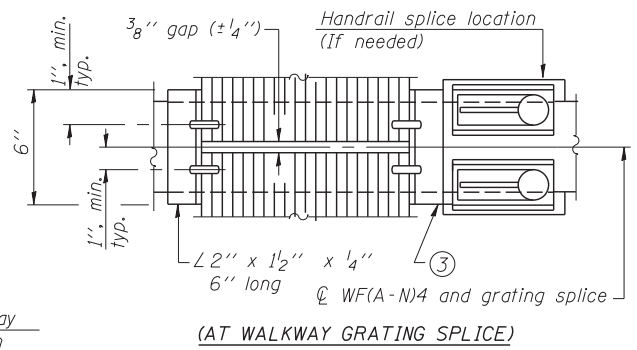
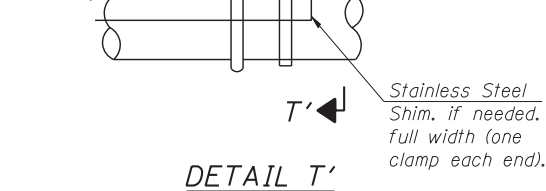
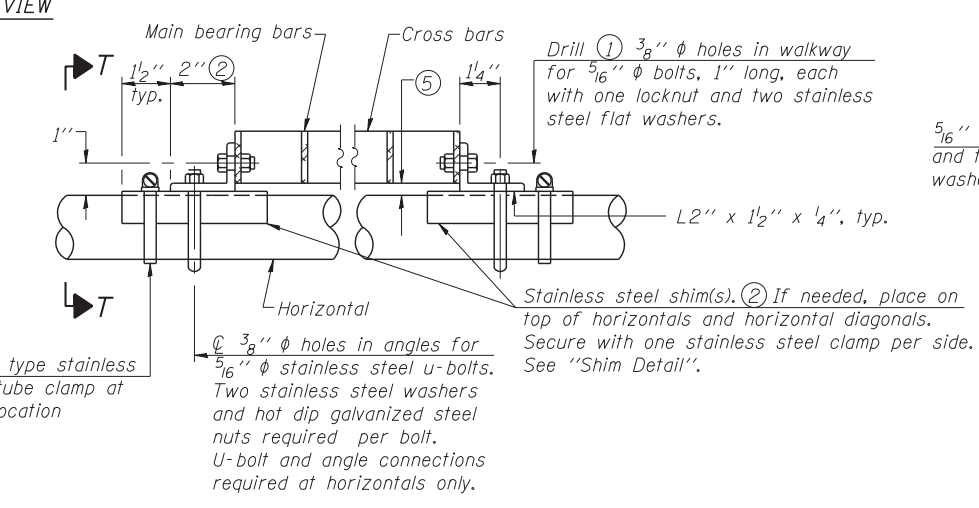
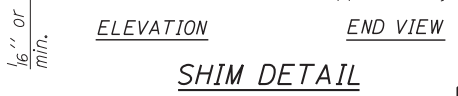
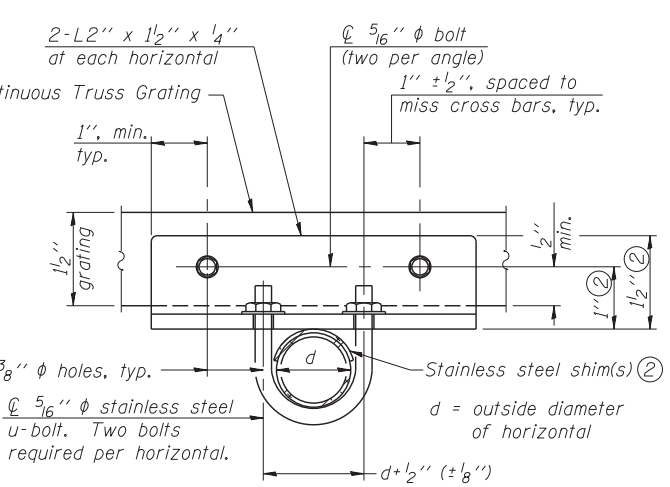
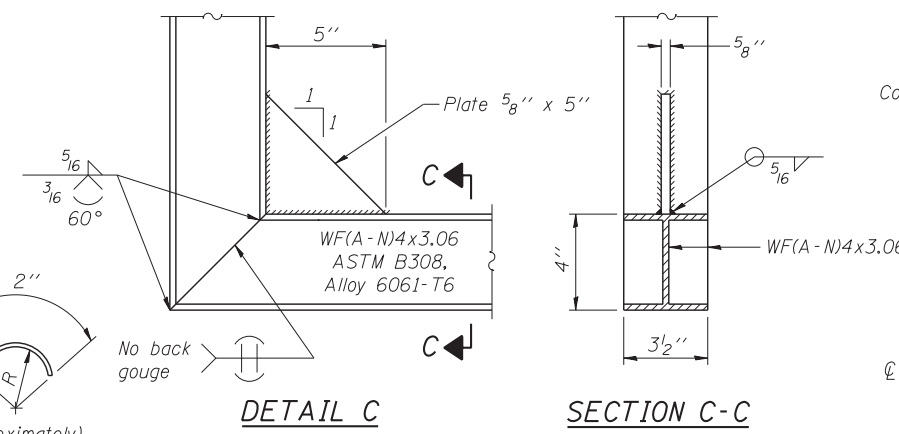
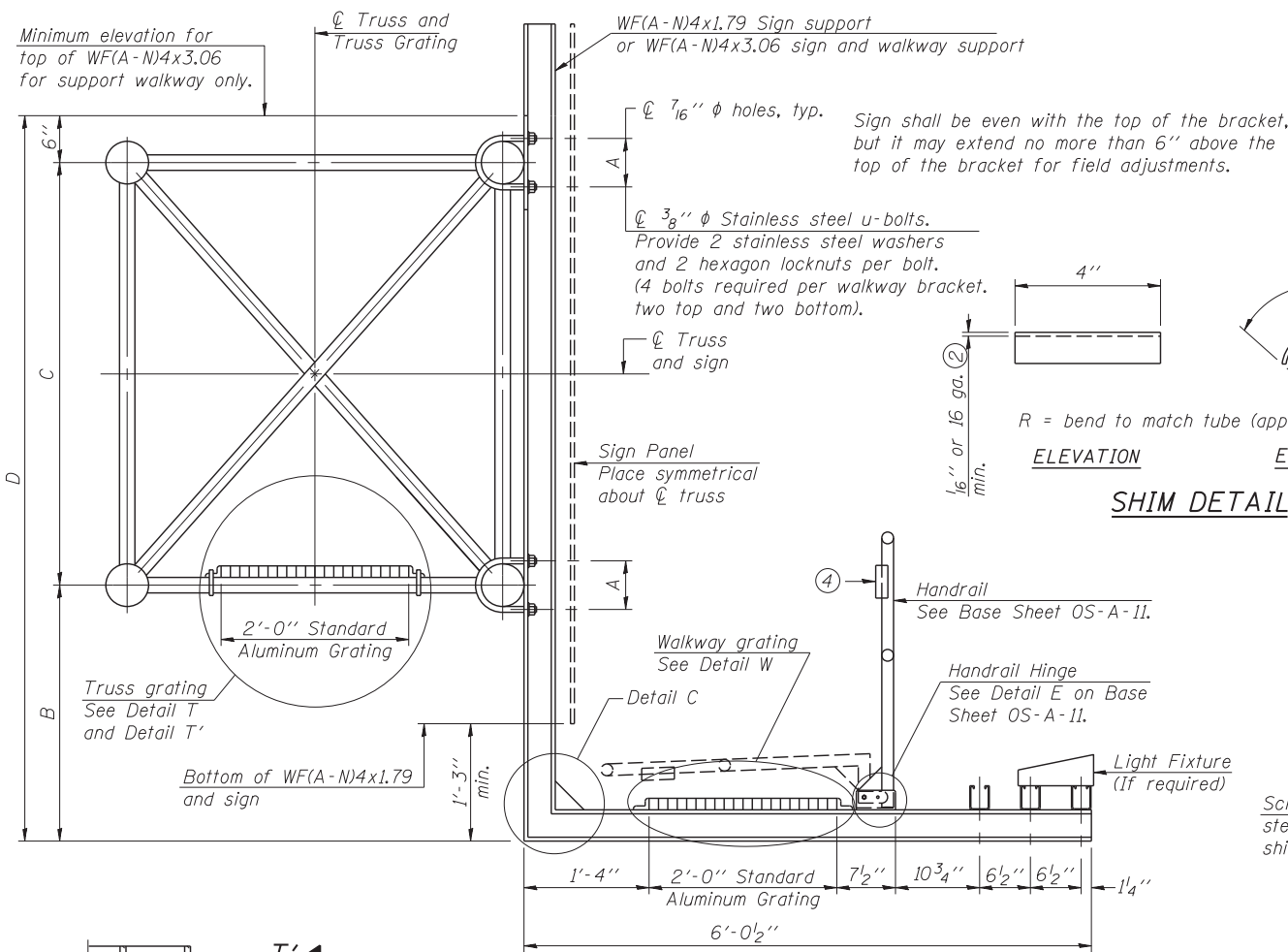
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SHEET NO. 9 OF 15 SHEETS

F.A.I. RTE. = 55	SECTION = 2013-049B	COUNTY = COOK	TOTAL SHEETS = 888	SHEET NO. = 265
CONTRACT NO. 60X07				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 "H" 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
ISO161055R293.8	193+12.00	-	-	-	-
ISO161055R293.6	181+09.00	-	-	-	-
ISO161055R293.5	75+57.00	-	-	-	-

- 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.

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 60X07. The truss grating and maintenance walkway behind the sign panel will be included with this pay item.

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OS-A-10

6-1-12



USER NAME = auyeungh	DESIGNED - VP	REVISED -
PLOT SCALE =	CHECKED - ATB	REVISED -
PLOT DATE = 5/22/2015	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SHEET NO. 10 OF 15 SHEETS

F.A.I. RTE. = 55	SECTION = 2013-049B	COUNTY = COOK	TOTAL SHEETS = 888	SHEET NO. = 266
ILLINOIS FED. AID PROJECT				CONTRACT NO. 60X07

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	—
#4 bar spiral (E) - see Side Elevation				

NOTES:

The foundation dimensions shown 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 will be the result of site specific designs.

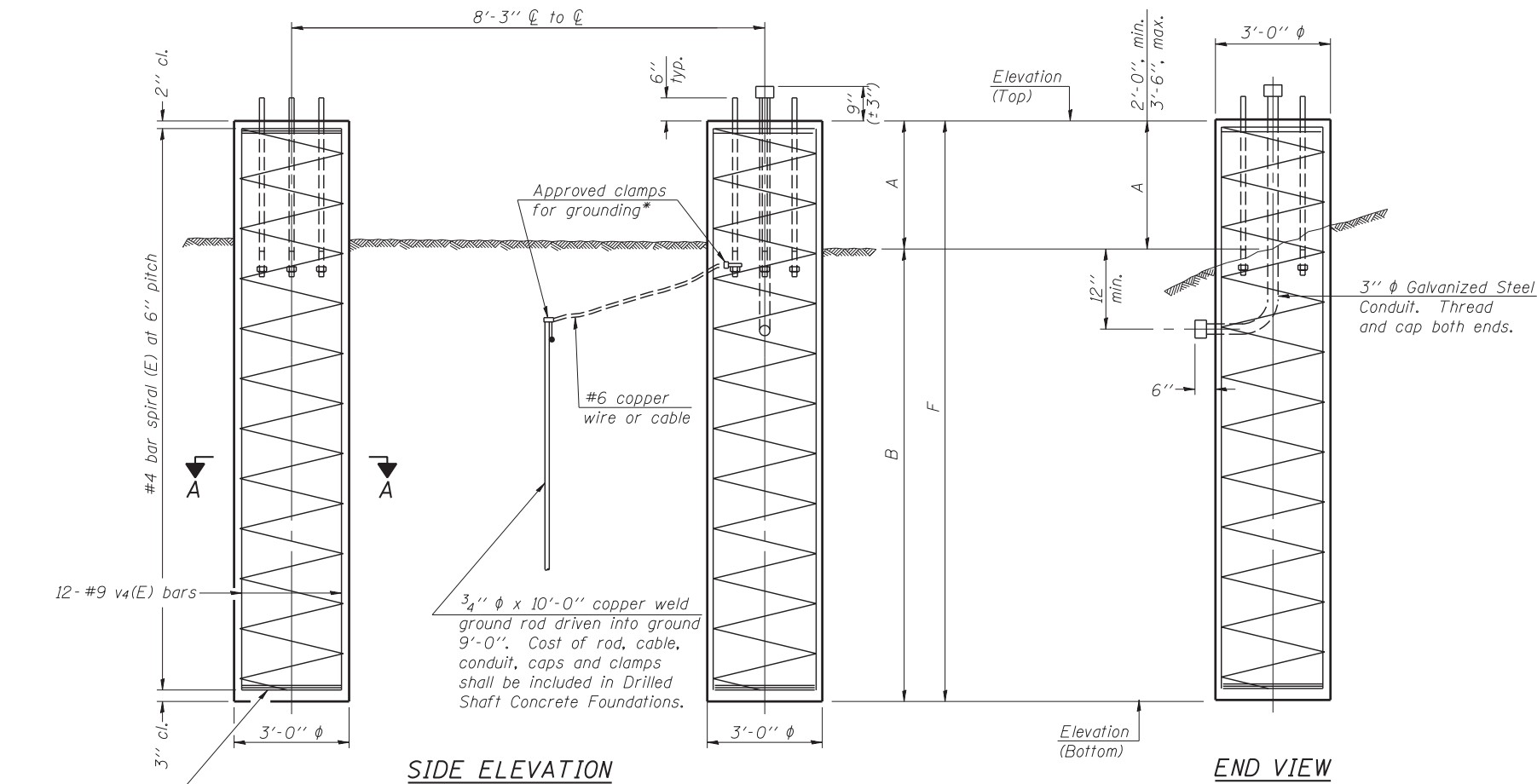
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District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

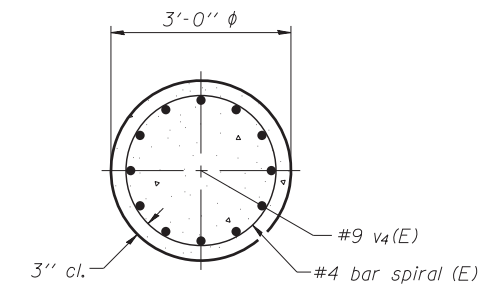
Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

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.

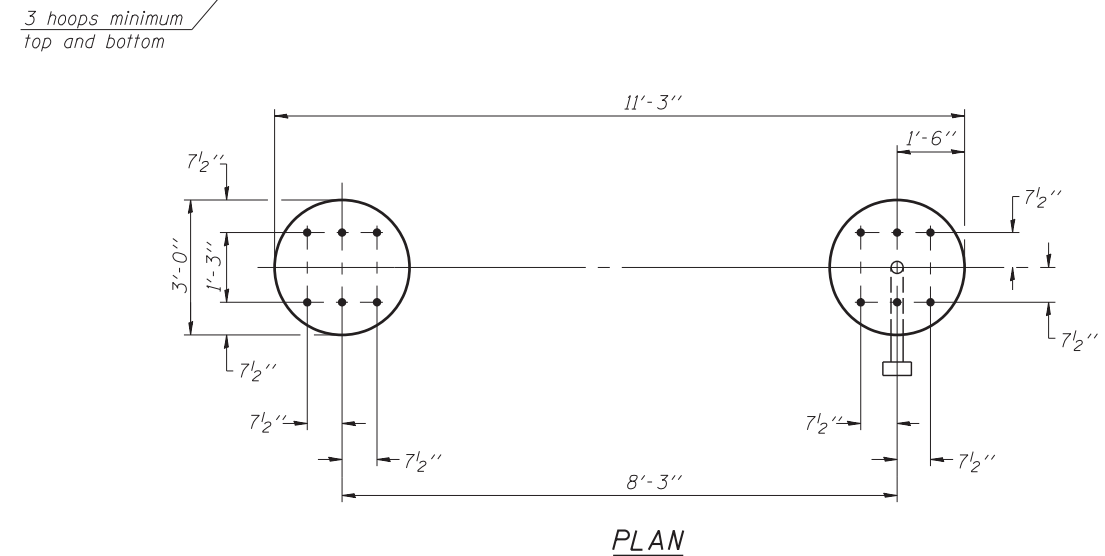


SIDE ELEVATION

END VIEW



SECTION A-A



PLAN

For anchor rod size and placement, see Support Frame Detail Sheet.

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

**DETAILS FOR 10" Ø SUPPORT FRAME
TYPE I-A or II-A TRUSS**

Structure Number	Station	Left Foundation					Right Foundation					Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F	
ISO161055R293.6	181+09.00	600.23	570.23	2'-6"	27'-6"	30.00	598.93	568.93	2'-6"	27'-6"	30.00	31.4
ISO161055R293.5	75+57.00	586.90	551.90	2'-6"	32'-6"	35.00	587.74	552.74	2'-6"	32'-6"	35.00	36.6

OS4-F3

8-21-13



USER NAME = auyeungh	DESIGNED - VP	REVISED -
PLOT SCALE =	CHECKED - ATB	REVISED -
PLOT DATE = 5/22/2015	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES - DRILLED SHAFT DETAILS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)**

SHEET NO. 11 OF 15 SHEETS

F.A.I. RTE. = 55	SECTION = 2013-049B	COUNTY = COOK	TOTAL SHEETS = 888	SHEET NO. = 267
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

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GENERAL NOTES

SPECIFICATIONS:

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications") (2)

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.

MINIMUM CLEARANCE: 3" greater than bridge members at all locations. (All Obstructions)

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

MATERIALS: All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 35,000 p.s.i., or A500 Grade B or C with a minimum yield of 46,000 p.s.i. 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 (M183, M223 Gr. 50).

HIGH STRENGTH BOLTS: All bolts, washers, nuts and locknuts shall satisfy the requirements of ASTM designation A307 unless noted as "H.S." which shall require AASHTO M164 (A325), ASTM A449, or approved alternate. All fasteners shall be hot dip galvanized per AASHTO M232 unless otherwise specified.

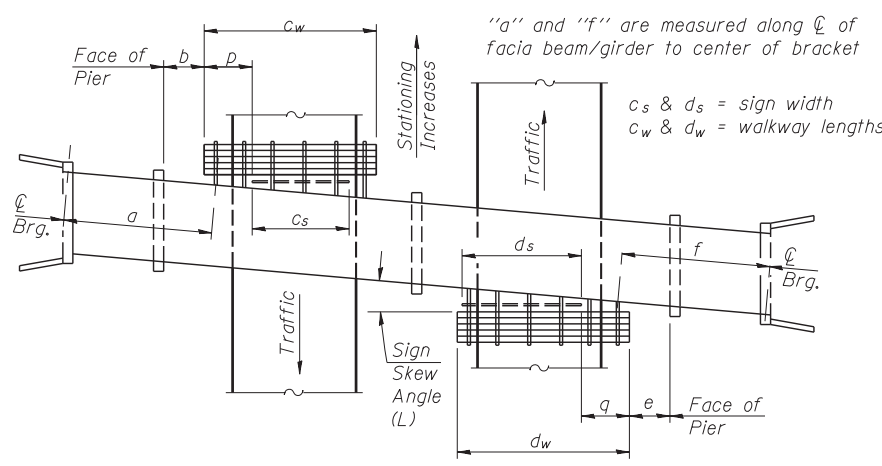
GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: All-threaded rod shall conform to ASTM F1554 Grade 105, 3/4" ϕ x 12" long, each with one plate washer and locknut and be hot dip galvanized per AASHTO M232. They shall be either cast into the concrete or epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment in concrete shall be 9".

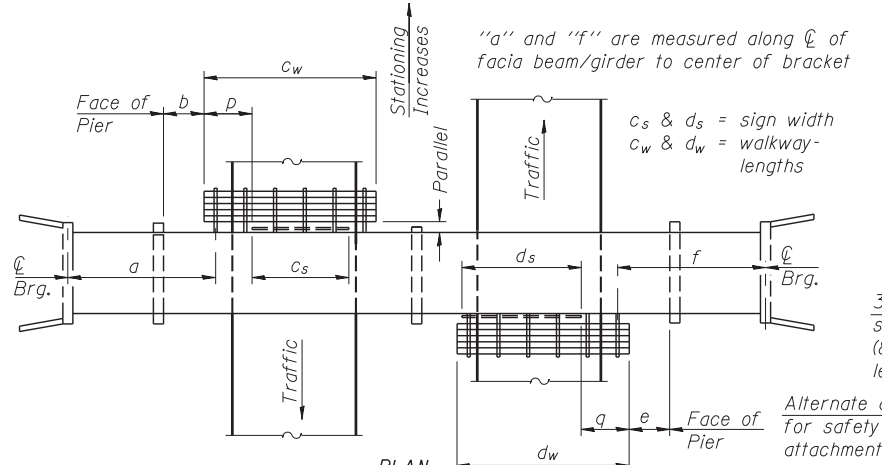
- ① Bracket spacing $g \leq 6'-0"$, max. Spacing shall be uniform if possible but may vary $\pm 6"$ to miss existing obstruction (rail post, light poles, web stiffeners, splice plates, etc.). Adjust bracket lengths accordingly on skewed structures.
- ② Any design modifications shall be based on the current version of applicable specifications and submitted for the Engineer's approval.
- ③ Unit price includes grating, handrail, brackets, supports, anchor bolts, fasteners, fabrication, delivery, erection, field drilling and other necessary items. Limits of payment are based on grating length (c_w , d_w) unless otherwise specified. For Safety Chain Details and Details D, F and G, see Base Sheet BM-4.
- ④ If walkway bracket at safety chain location is behind sign, add angle to bracket. See detail on Base Sheet BM-4.

TOTAL BILL OF MATERIAL

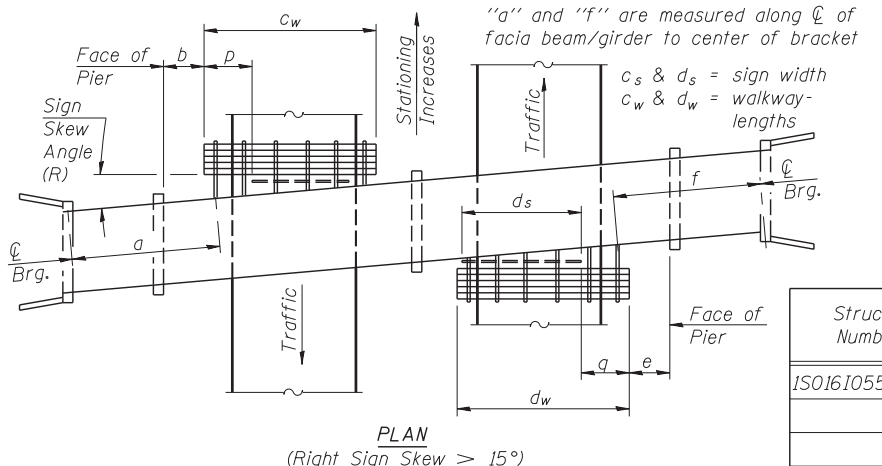
③ OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	Foot	62
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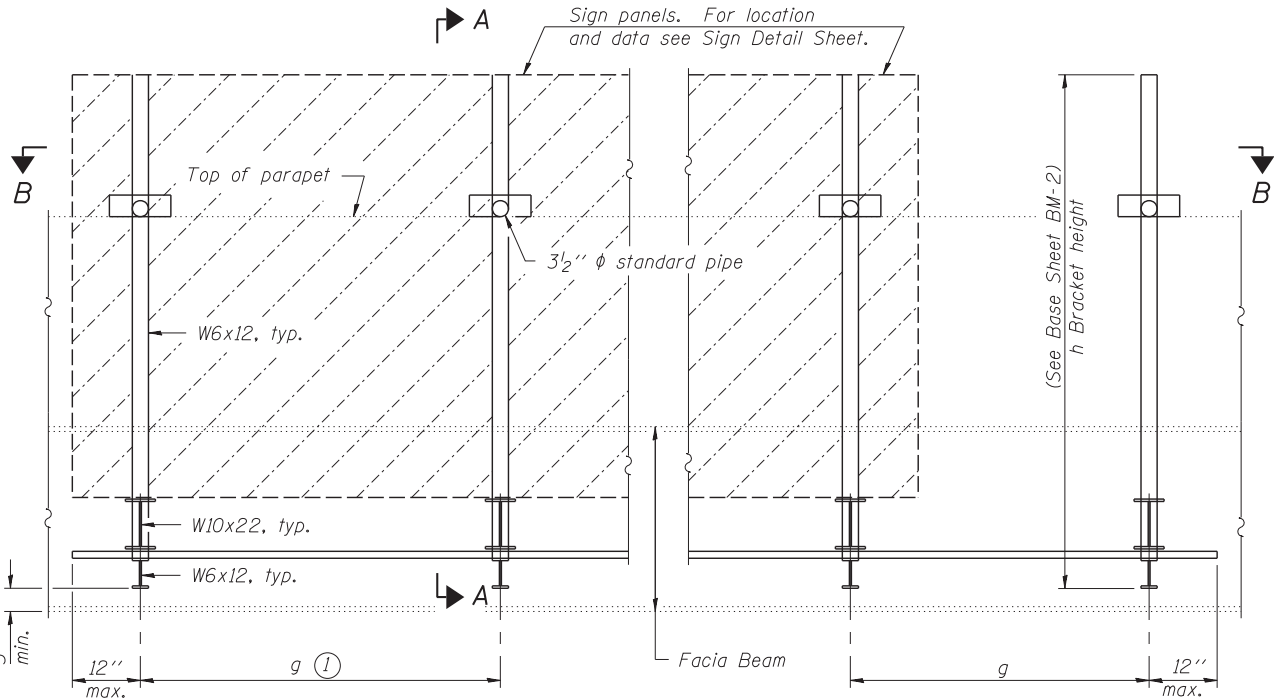
WALKWAY AND HANDRAIL SKETCH
(Road plan beneath structure varies.)



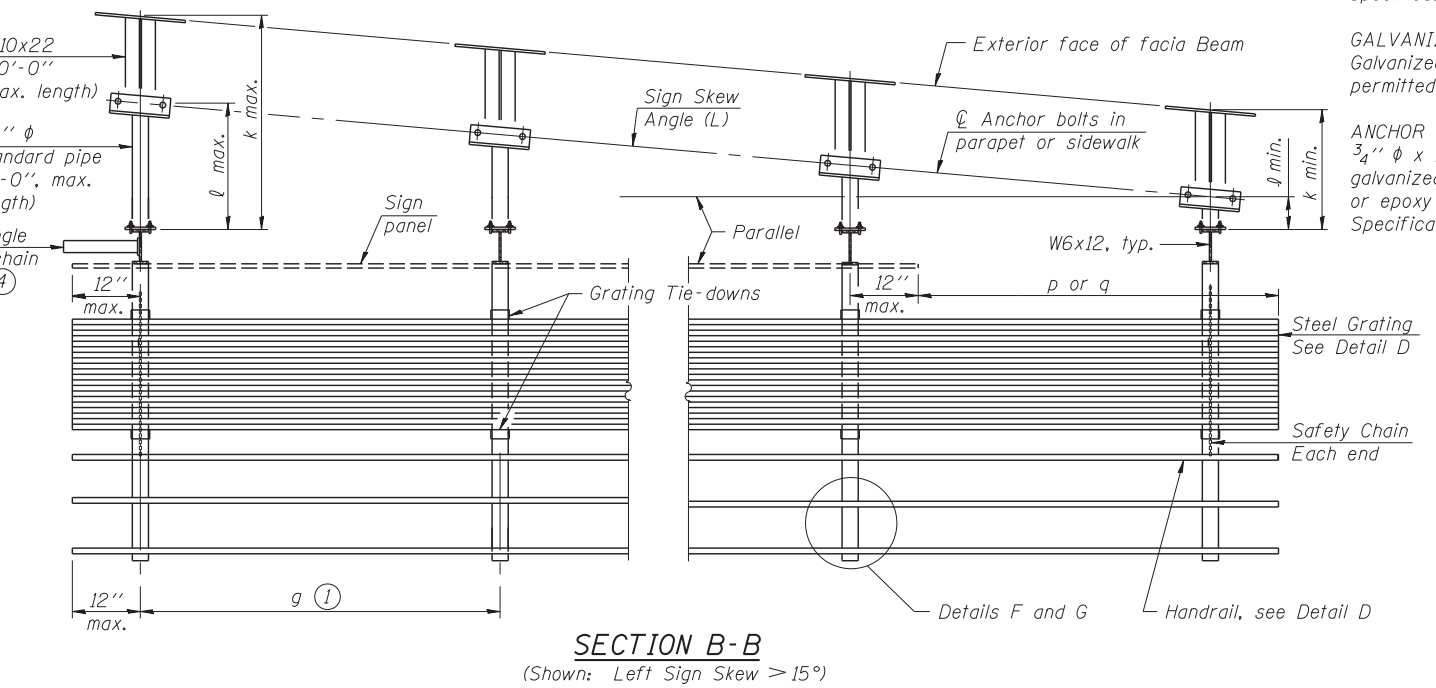
WALKWAY AND HANDRAIL SKETCH
(Road plan beneath structure varies.)



WALKWAY AND HANDRAIL SKETCH
(Road plan beneath structure varies.)



TYPICAL FRONT ELEVATION
(With lights, safety chain and handrail omitted for clarity.)



SECTION B-B
(Shown: Left Sign Skew > 15°)

Structure Number	Sign Skew Angle (L) or (R)	Bridge Station	Bridge Structure Number	Contract Route Designation	a	b	c _s	c _w	d _s	d _w	e	f	g	No. of Brackets (Total)	p	q	Total Grating/Hndrl. Lengths (c _w + d _w)
ISO161055R293.7	0	188+50.50	016-1500	I-55 / MLK	-	-	-	-	62'-0"	0	17'-9"	458'-0"	6'-0"	11	-	-	0

Dimensions a, b, e, f & g may vary as approved by the Engineer, see ①.
When $c_w < c_s$ and/or $d_w < d_s$, use alternate brackets without walkway supports where applicable, see ③.

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 60X07. The truss grating and maintenance walkway behind the sign panel will be included with this pay item.

732-0160000_60X07_SIGN 11.dgn



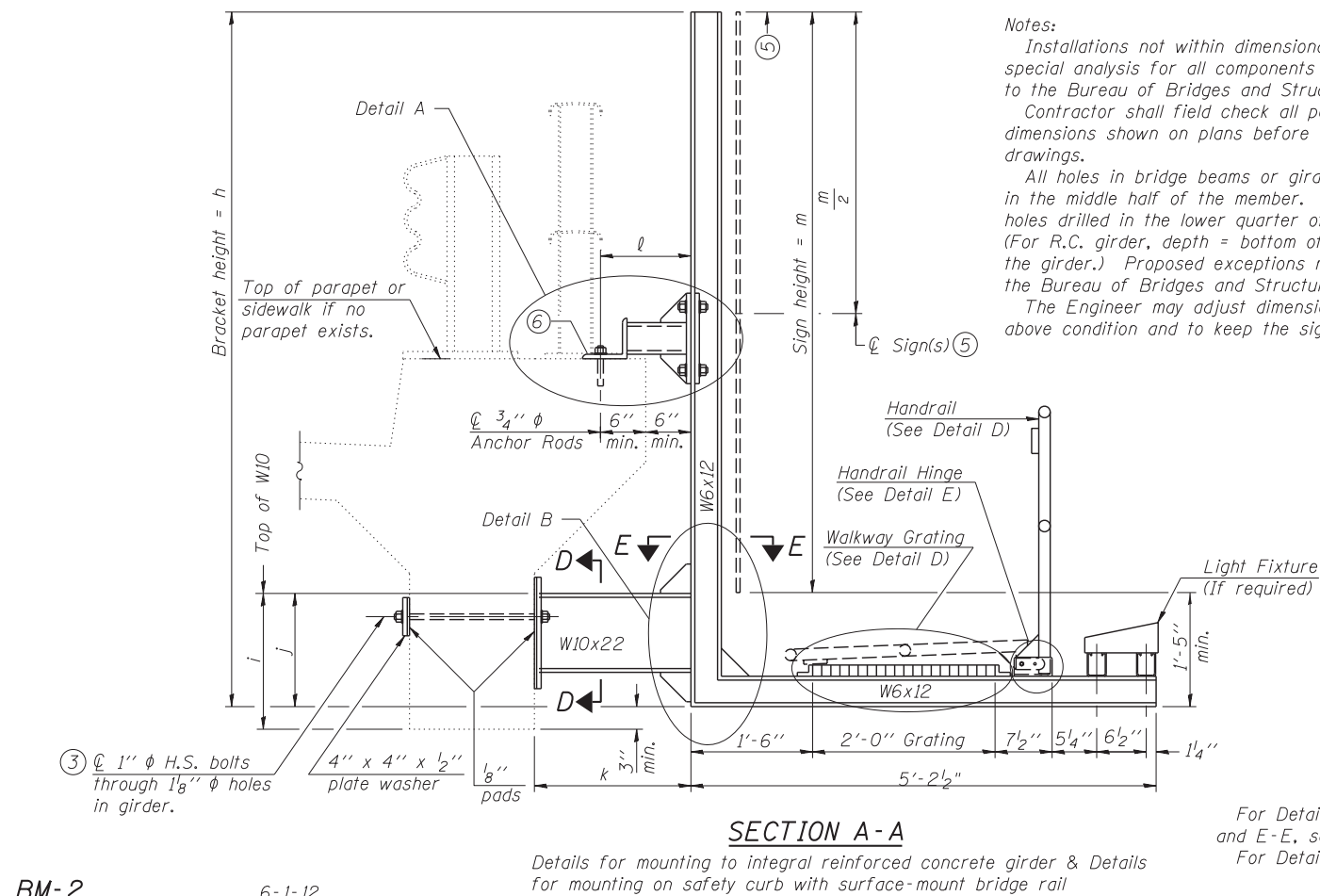
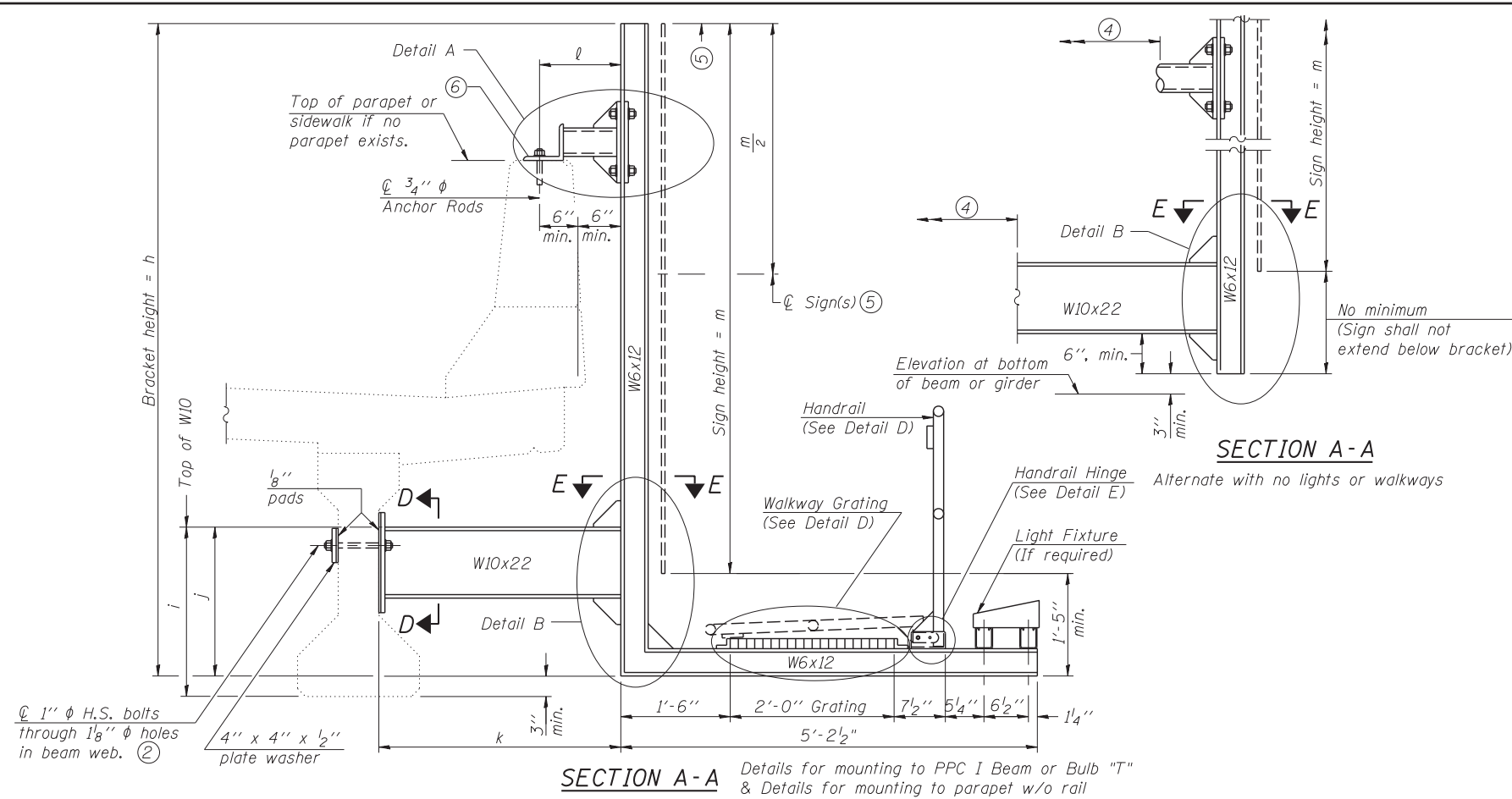
USER NAME = auyeungh	DESIGNED - VP	REVISED -
PLOT SCALE =	CHECKED - ATB	REVISED -
PLOT DATE = 5/22/2015	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE MOUNT SIGN STRUCTURES - GENERAL PLAN AND ELEVATION
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)**

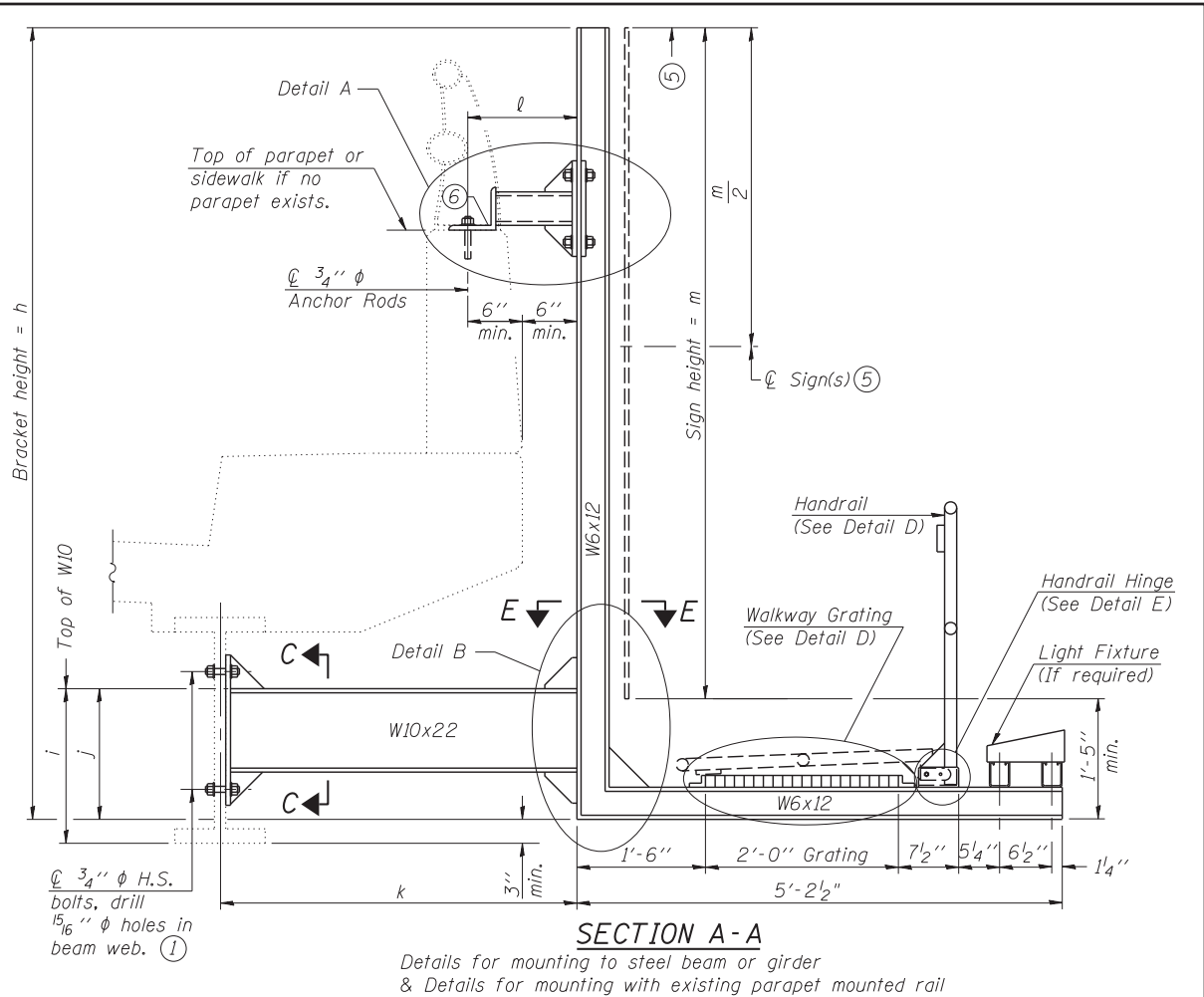
SHEET NO. 12 OF 15 SHEETS

F.A.I. RE. 55	SECTION 2013-049B	COUNTY COOK	TOTAL SHEETS 888	SHEET NO. 268
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



Notes:
 Installations not within dimensional limits shown require special analysis for all components and must be submitted to the Bureau of Bridges and Structures for approval.
 Contractor shall field check all pertinent existing bridge dimensions shown on plans before submitting shop drawings.
 All holes in bridge beams or girders should be located in the middle half of the member. There shall be no holes drilled in the lower quarter of the member's depth. (For R.C. girder, depth = bottom of deck to bottom of the girder.) Proposed exceptions must be approved by the Bureau of Bridges and Structures.
 The Engineer may adjust dimension "i" to meet the above condition and to keep the sign level.

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 60X07. The truss grating and maintenance walkway behind the sign panel will be included with this pay item.



- ① Holes in new steel members may be drilled in the fabrication shop or in the field. Field drill existing members.
- ② For new PPC I beams, holes shall be formed during casting. For existing PPC I beams, prestressing strand locations shall be determined and spaced to miss strands by 6", min. Minimize spalling during field drilling of existing beams.
- ③ For new construction, form holes. For existing RC beams, locate primary reinforcement and space holes to miss by 6", min. Minimize spalling and concrete fracturing/damage during field drilling of existing concrete. Spalls over 1/4" deep or beyond the coverage of the 4x4 plate washer shall be repaired with epoxy mortar before installing washer.
- ④ For attachment details of 3/2" pipe and W10x22, see other sections as applicable.
- ⑤ Sign shall not extend more than 6" above top of bracket, and this dimension may vary to keep sign level if bridge is on grade or vertical curve. Multiple signs of various heights shall share a common horizontal centerline and use equal bracket heights. If no sign is attached to a W6x12 vertical (bracket only supporting walkway), dimension h shall be the same as an adjacent bracket with a sign attached, unless Engineer specifically directs shorter brackets due to locational restraints on future uses. (See Detail A for minimum bracket height.)
- ⑥ For bridge mounted sign structures installed on new bridges with railing, during design, bracket spacing must be coordinated with railing post spacing and the Contractor must install upper brackets prior to railing installation. For bridge mounted sign structures installed on existing bridges with railing, during design, brackets spacing must be coordinated with railing post spacing and the Contractor must temporarily remove sections of railing to facilitate upper bracket installation. If it is determined during design that existing railings can't be removed, alternate upper connection details must be developed for the contract plans and approved by the Bureau of Bridges and Structures.

Structure Number	Station	h	i	j	k max. (10'-0" max.)	l max. (8'-0" max.)	m (15'-0" max.)
ISO161055R293.7	188+50.50	12'-5"	3'-1"	2'-10"	4'-11"	1'-10"	11'-0"

For Details A & B, Sections C-C, D-D and E-E, see Base Sheet BM-3.
 For Details D & E, see Base Sheet BM-4.

733.0160000_60X07_SIGN 11.dgn

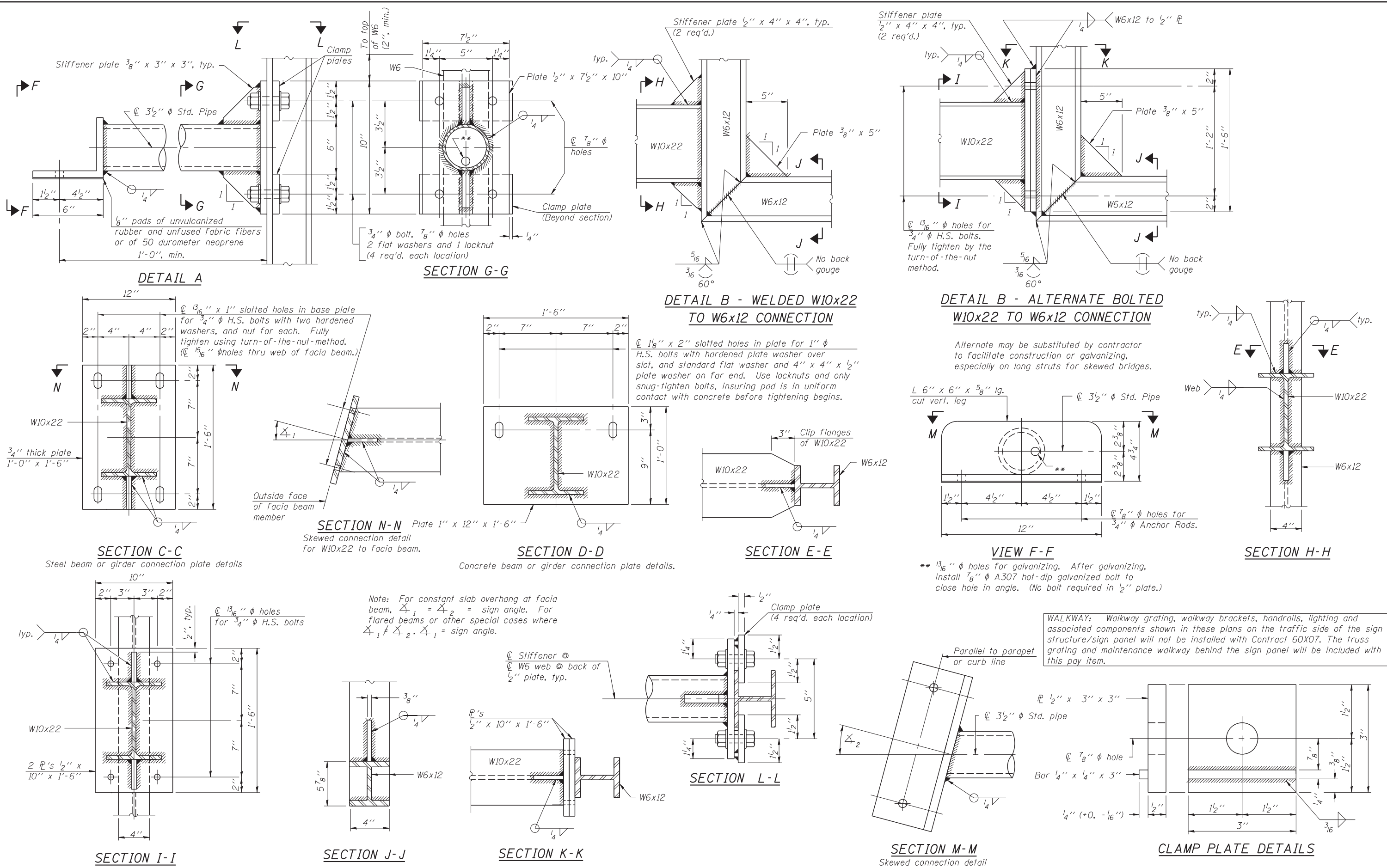


BM-2	6-1-12	USER NAME = auyeungh	DESIGNED - VP	REVISED -
		PLOT SCALE =	CHECKED - ATB	REVISED -
		PLOT DATE = 5/22/2015	DRAWN - MRK	REVISED -
			CHECKED - CLS	REVISED -

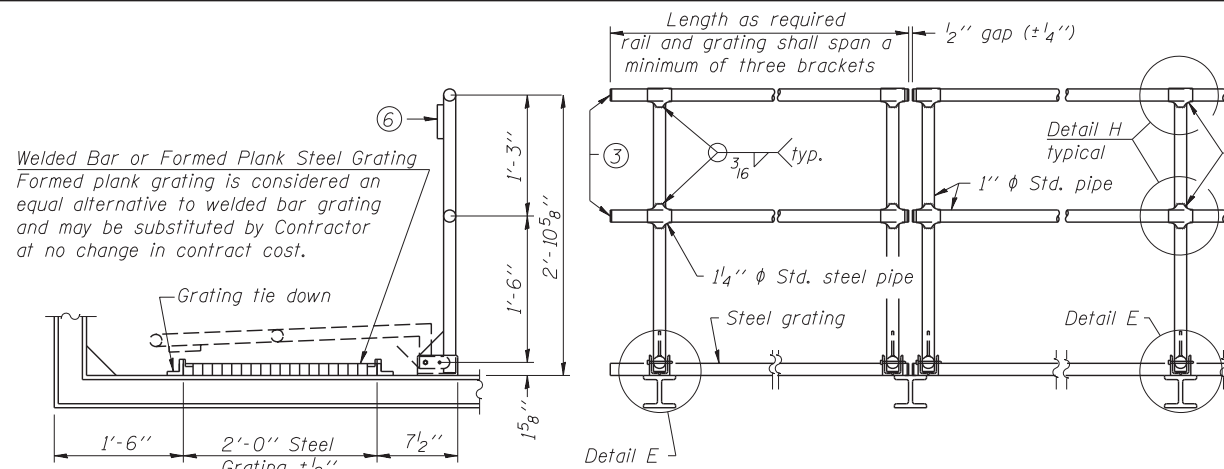
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BRIDGE MOUNT SIGN STRUCTURES - WALKWAY AND CONNECTION DETAILS
 I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)

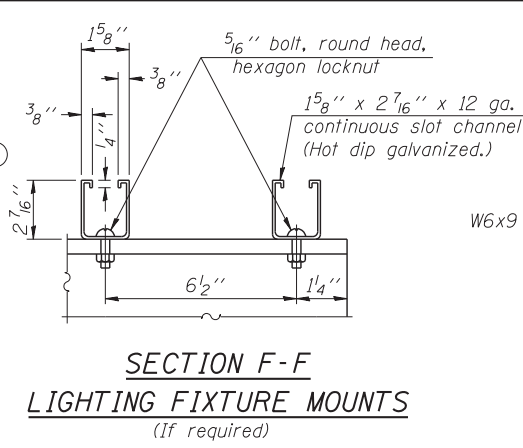
F.A.I. RTE. = 55	SECTION = 2013-049B	COUNTY = COOK	TOTAL SHEETS = 888	SHEET NO. = 269
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



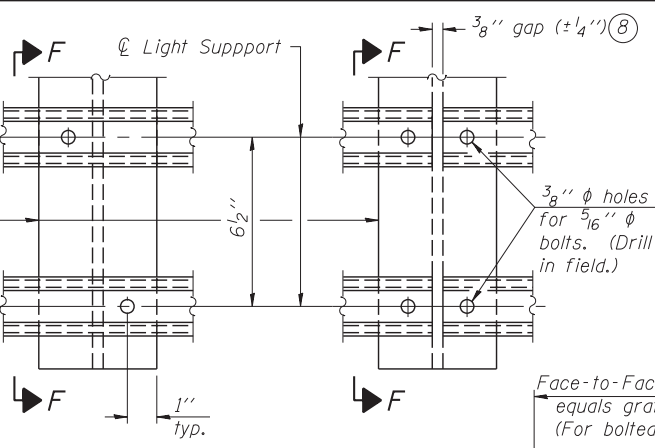
AECOM 734_016000_60X07_SIGN 11.dgn BM-3 6-1-12	USER NAME = auyeungh DESIGNED - VP CHECKED - ATB PLOT SCALE = DRAWN - MRK PLOT DATE = 5/22/2015 CHECKED - CLS	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE MOUNT SIGN STRUCTURES - CONNECTION DETAILS I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)	F.A.I. RE. = 55 SECTION = 2013-049B COUNTY = COOK TOTAL SHEETS = 888 SHEET NO. = 270 CONTRACT NO. 60X07	
	SHEET NO. 14 OF 15 SHEETS				ILLINOIS FED. AID PROJECT	



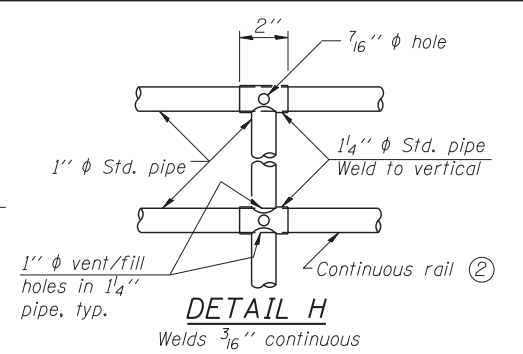
SIDE ELEVATION DETAIL D HANDRAIL FRONT ELEVATION



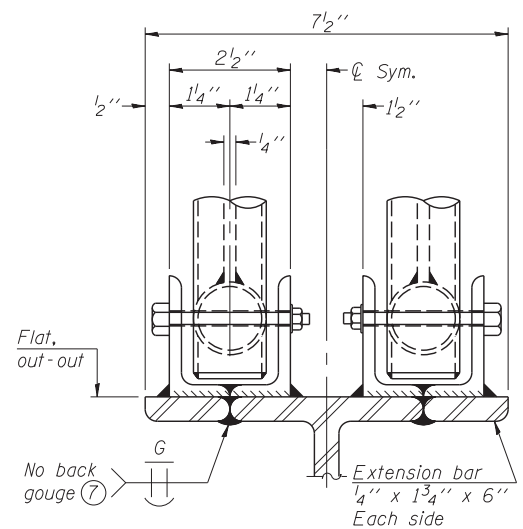
SECTION F-F LIGHTING FIXTURE MOUNTS (If required)



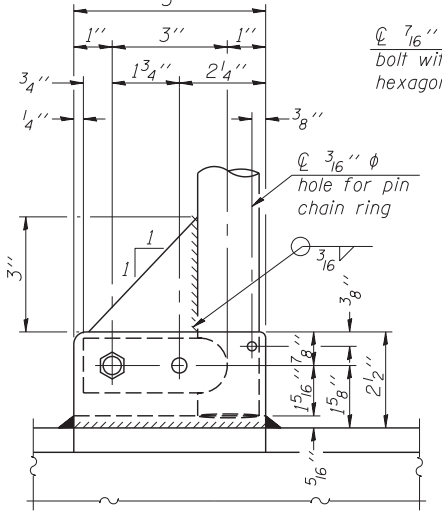
DETAIL F DETAIL G



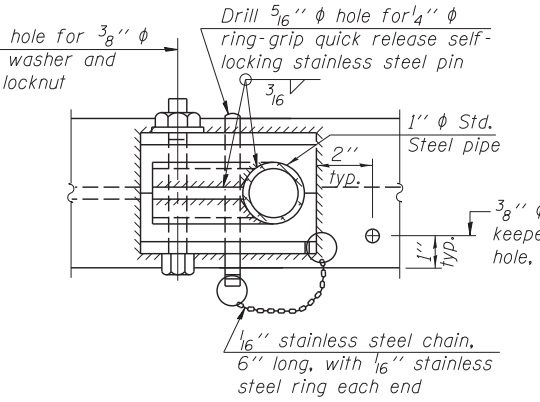
DETAIL H



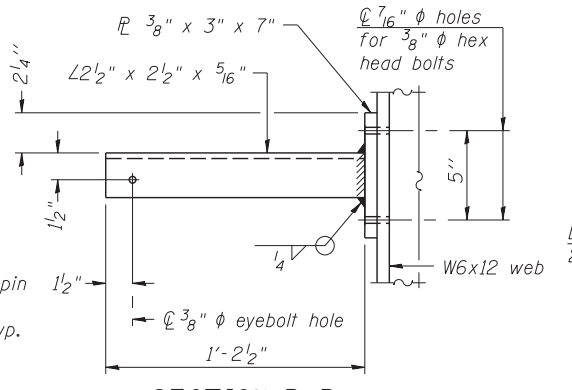
ELEVATION AT HANDRAIL JOINT



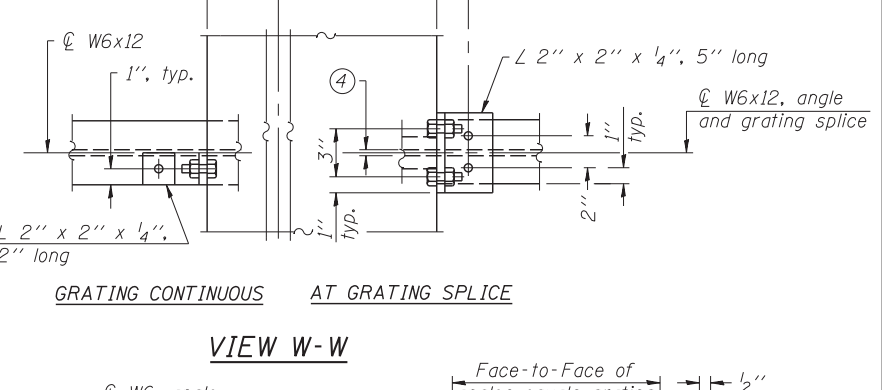
SIDE ELEVATION



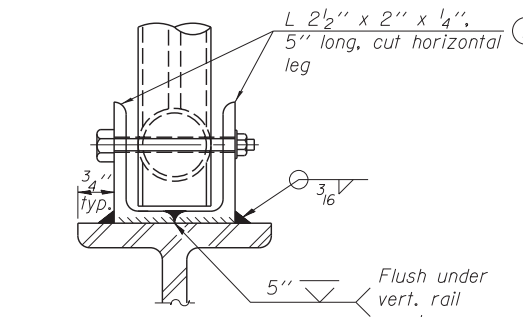
PLAN AT SINGLE HANDRAIL HINGE DETAIL E



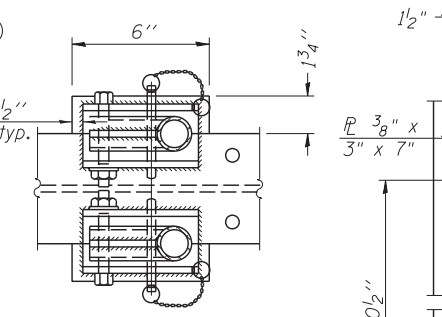
SECTION P-P



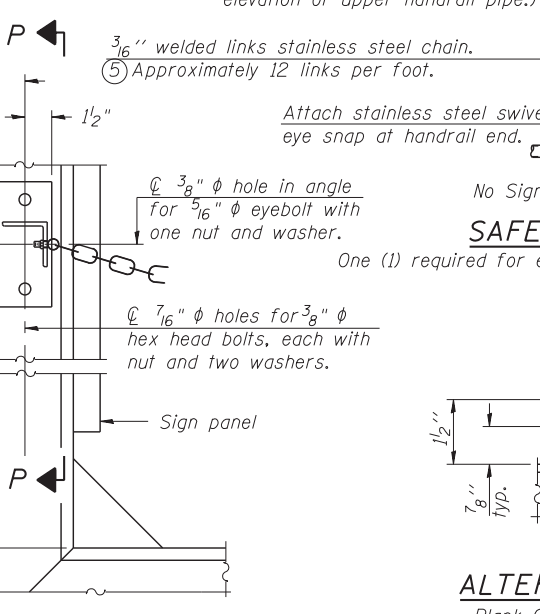
VIEW W-W



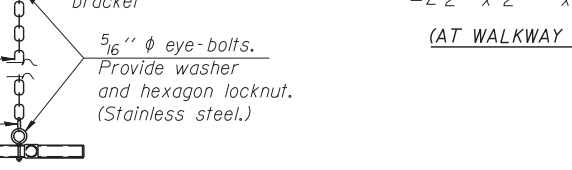
FRONT ELEVATION



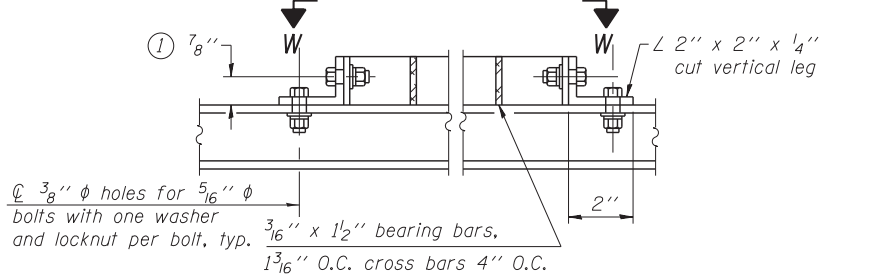
PLAN AT HANDRAIL JOINT



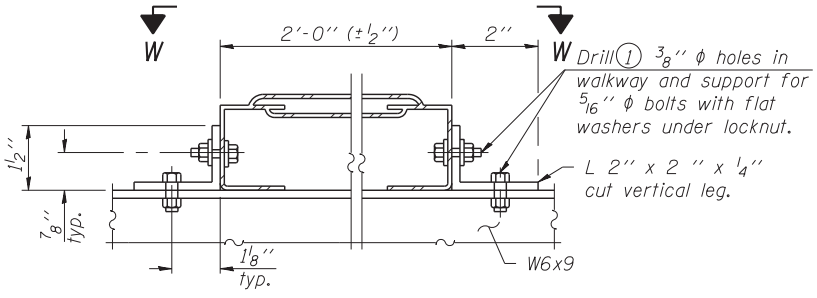
SAFETY CHAIN ATTACHMENT



SAFETY CHAIN



WELDED BAR GRATING DETAILS



ALTERNATE FORMED PLANK GRATING DETAILS

Plank Grating: nominal depth = 2 1/2" (±1/2"); perforated or expanded steel sheet with a non-skid surface (non-serrated) concentrated load capacity = 500 lbs. with 6'-0" clear span.

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 60X07. The truss grating and maintenance walkway behind the sign panel will be included with this pay item.

- NOTES**
- Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment. Field drilled holes must be touched up with galvanized paint.
 - Horizontal rail member shall be continuous thru 1 1/4" pipe. Provide 7/16" hole in 1 1/4" pipe for 3/8" bolt. Field drill 7/16" hole in horizontal rail member. Provide washer and locknut for bolt. (Use 5/16" eyebolts in 7/16" holes on top rail at ends only.)
 - Install standard force-fit end caps or weld 1/8" end plates with 1/8" c.f.w. and grind smooth. (All rail ends.)
 - 3/8" (±1/4") gap between grating panels at splice.
 - Chain to be type 304L stainless steel suitable for prolonged exterior exposure. Approximately 3'-6" long chain per location. Maximum sag with handrail erected = 4".
 - 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.
 - Extrusions may be used in lieu of details shown, with approval by Engineer.
 - Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.

BM-4

6-1-12



USER NAME = auyeungh	DESIGNED - VP	REVISED -
PLOT SCALE =	CHECKED - ATB	REVISED -
PLOT DATE = 5/22/2015	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

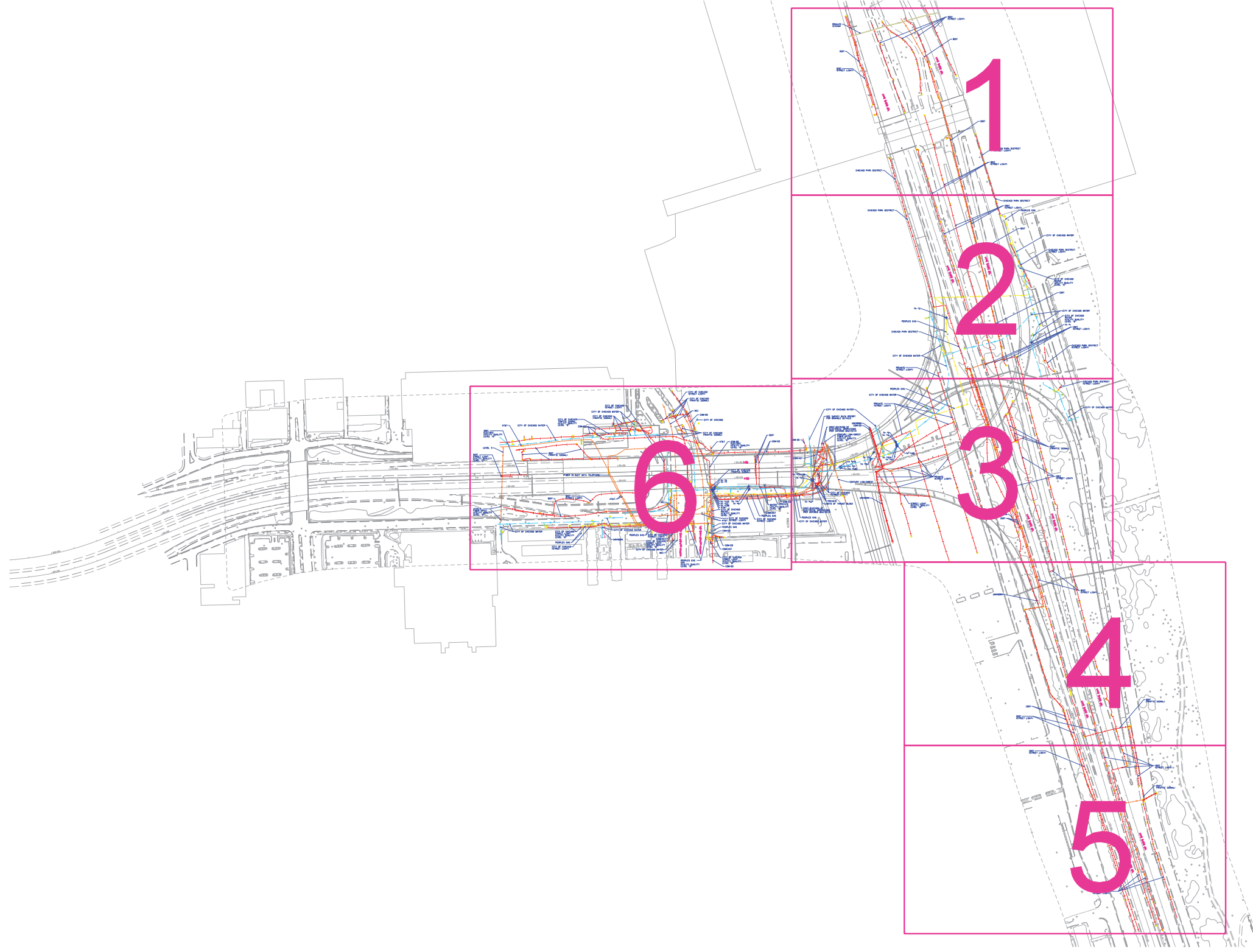
BRIDGE MOUNT SIGN STRUCTURES - WALKWAY DETAILS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)

F.A.I. R.T.E. = 55	SECTION = 2013-049B	COUNTY = COOK	TOTAL SHEETS = 888	SHEET NO. = 271
CONTRACT NO. 60X07				

SHEET NO. 15 OF 15 SHEETS

ILLINOIS FED. AID PROJECT

735.0160000_60X07_SIGN 11.dgn



- A — A — A — AERIAL
- U — U — U — UNKNOWN
- CTV — CTV — CTV — CABLE TV
- T — T — T — TELEPHONE
- G — G — G — GAS
- E — E — E — ELECTRIC
- W — W — W — WATER
- FO — FO — FO — FIBER OPTIC

TBE TEST HOLE

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: Cover

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

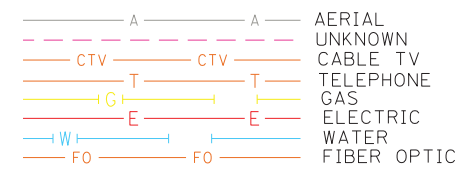
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	888	272
Contract No. 60X07				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				



REV. 1: (3/20/15) ADDITIONAL QUALITY LEVEL "D" WATER

REV. 1

MATCH SHEET 2



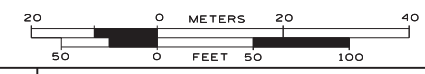
TBE TEST HOLE

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	

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REV. 1: Additional Cardno TBE's QL "B" SUE field investigation was performed on 2/09/15 through 3/18/15. Additional QL Level "A" test holes were performed 3/11/15 through 3/13/15.

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



TBE Job No. IL09510483, 549, 616, 637, 646
SUE Plan Page: 1 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	3/20/15 ADDED QLD WATER
DRAWN	SRK	REVISED	
CHECKED	KFS	REVISED	
DATE	8/31/12	REVISED	

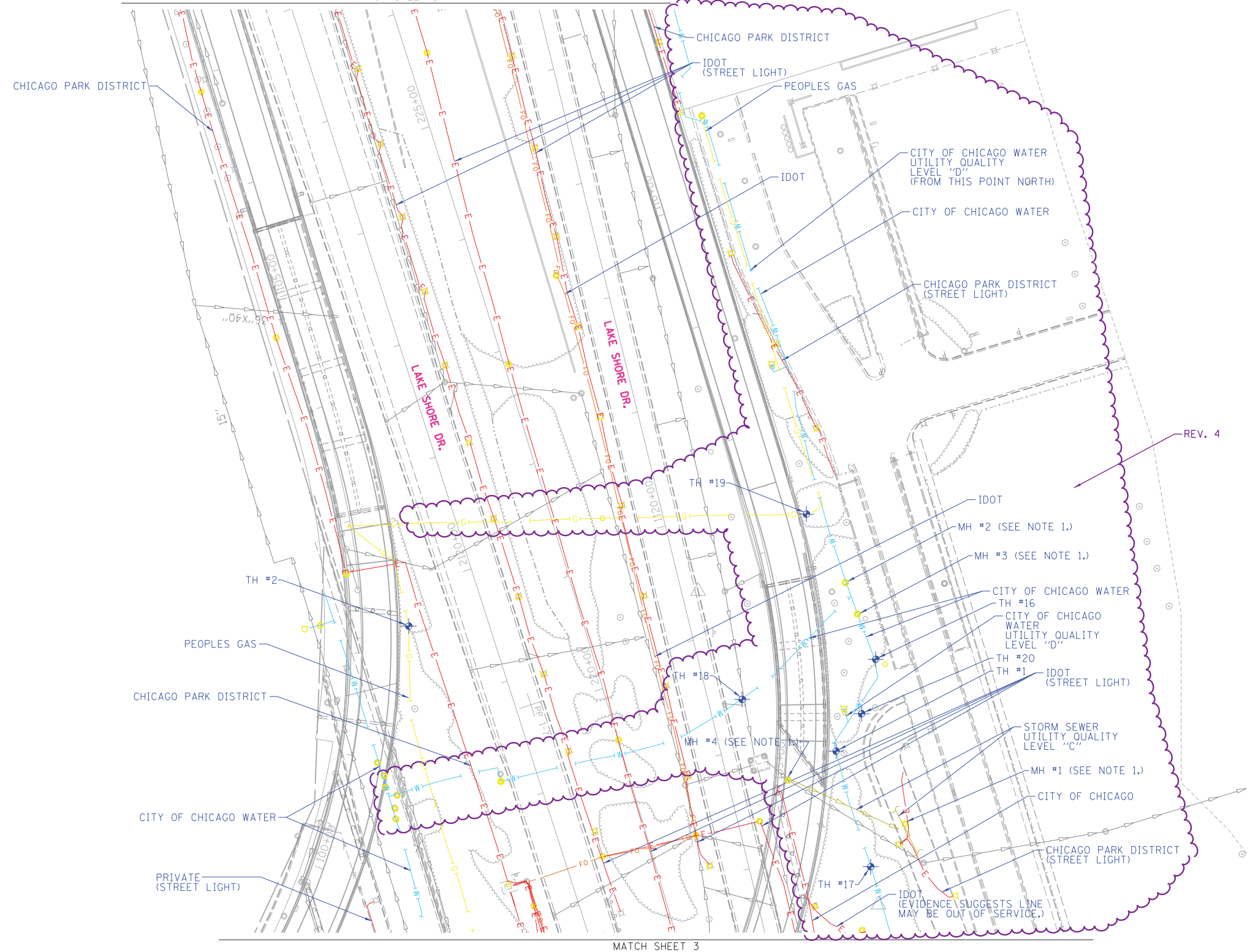
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2010-080-B	Cook	888	273
FED. ROAD DIST. NO. - ILLINOIS			IDOT Project No.	

REV. 4: (3/20/15) ADDITIONAL LINEWORK, MANHOLES & TEST HOLES

MATCH SHEET 1



REV. 4

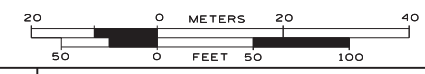
MATCH SHEET 3

NOTE:
1. DEPTH TO TOP OF PIPE WAS MEASURED WITHIN INDICATED MANHOLES. SEE VERIFIED UTILITY MATRIX.

	<p>UTILITY OWNERS</p> <p>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</p>
<p>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</p>	<p>DESIGNED <i>JP</i> DRAWN <i>SRK</i> CHECKED <i>KFS</i> DATE <i>8/31/12</i></p>

<p>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.</p> <p>REV. 4: Additional Cardno TBE's QL "B" SUE field investigation was performed on 2/09/15 through 3/18/15. Additional QL Level "A" test holes were performed 3/11/15 through 3/13/15.</p>	<p>REVISED <i>12/16/12</i> ADDED TH'S # 1-7 REVISED <i>2/13/15</i> REVISED WATER LINE REVISED <i>3/20/15</i> ADDED TH'S # 16-20 ADDITIONAL / REVISED LINEWORK</p>
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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510483, 549, 616, 637, 646
SUE Plan Page: 2 of 6

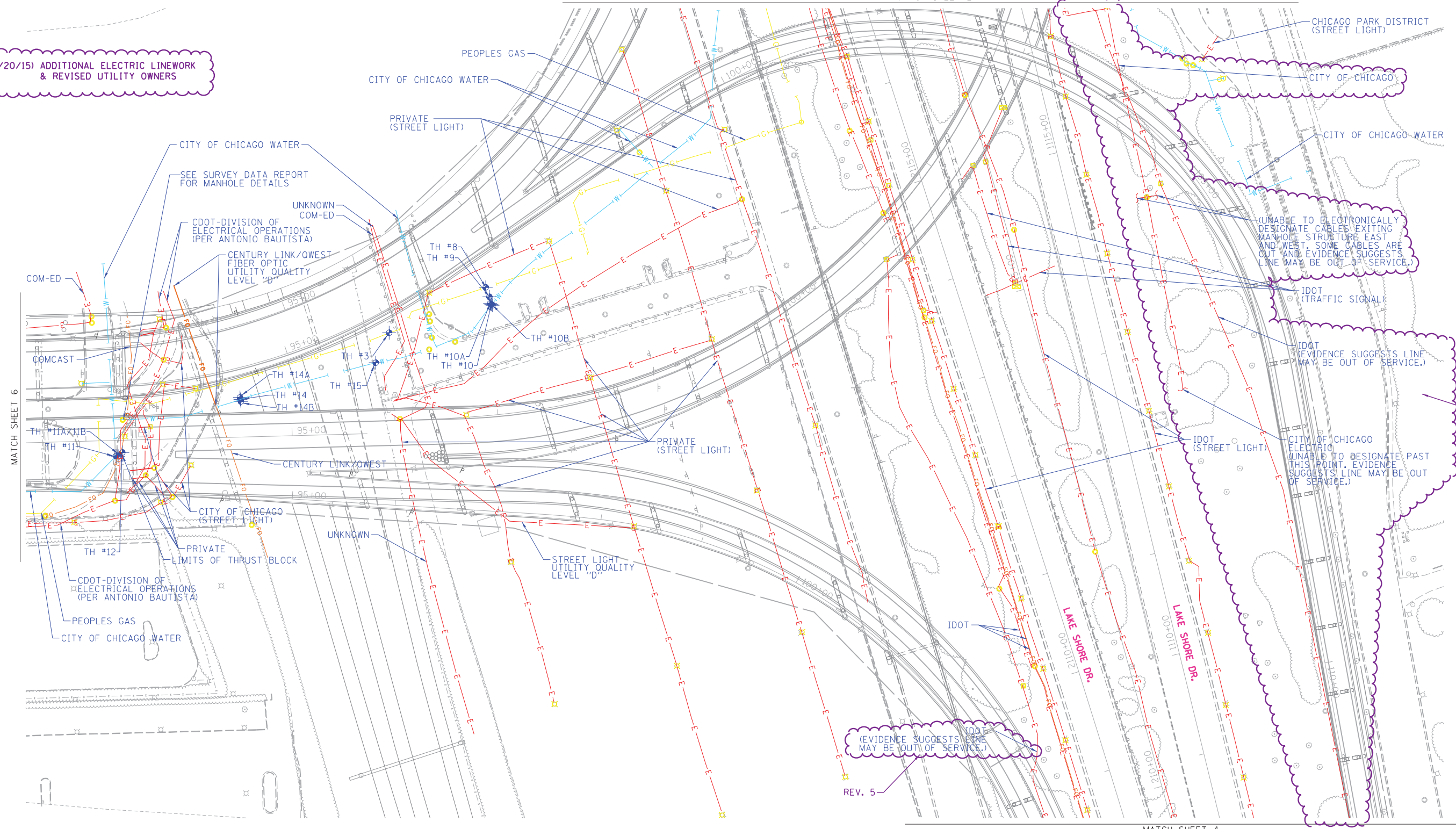
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2010-080-B	Cook	888	274
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.			Contract No. 60X07	



REV. 5: (3/20/15) ADDITIONAL ELECTRIC LINWORK & REVISED UTILITY OWNERS



MATCH SHEET 6

MATCH SHEET 4

(EVIDENCE SUGGESTS LINE MAY BE OUT OF SERVICE.)

(UNABLE TO ELECTRONICALLY DESIGNATE CABLES EXITING MANHOLE STRUCTURE EAST AND WEST. SOME CABLES ARE OUT AND EVIDENCE SUGGESTS LINE MAY BE OUT OF SERVICE.)

(EVIDENCE SUGGESTS LINE MAY BE OUT OF SERVICE.)

(UNABLE TO DESIGNATE PAST THIS POINT. EVIDENCE SUGGESTS LINE MAY BE OUT OF SERVICE.)

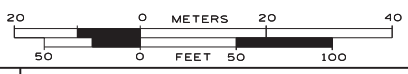
<p>Utility Quality Level "A": Visually Verified Test Hole</p> <p>Utility Quality Level "B": Designating/non Visually Verified Test Hole</p> <p>Utility Quality Level "C": Research with Survey</p> <p>Utility Quality Level "D": Records Research</p>	<p>Utility Owners</p> <p>AT&T = FIBER OPTIC</p> <p>AT&T = TELEPHONE</p> <p>CDOT - DIVISION OF ELECTRICAL OPERATIONS = ELECTRIC</p> <p>CENTURY LINK/WEST = FIBER OPTIC</p> <p>CITY OF CHICAGO = STREET LIGHT</p> <p>CITY OF CHICAGO = TRAFFIC SIGNAL</p> <p>CITY OF CHICAGO = WATER</p> <p>CHICAGO PARK DISTRICT = ELECTRIC</p> <p>CHICAGO PARK DISTRICT = STREET LIGHT</p> <p>COM-ED = ELECTRIC</p> <p>IDOT = ELECTRIC</p> <p>IDOT = FIBER OPTIC</p> <p>IDOT = STREET LIGHT</p> <p>MCI = FIBER OPTIC</p> <p>PEOPLES GAS = GAS</p> <p>PRIVATE = STEAM</p> <p>PRIVATE = STREET LIGHT</p>
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<p>DESIGNED <i>JP</i></p> <p>DRAWN <i>SRK</i></p> <p>CHECKED <i>KFS</i></p> <p>DATE <i>8/31/12</i></p>	<p>REVISED <i>12/16/12</i> ADDED TH'S # 1-7</p> <p>REVISED <i>5/29/14</i> ADDED TH'S # 8-13</p> <p>REVISED <i>8/11/14</i> UPDATED OWNERS</p> <p>REVISED <i>12/2/14</i> ADDED TH'S # 14-15</p> <p>REVISED <i>3/20/15</i> ADDITIONAL LINWORK</p>
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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.

REV. 5: Additional Cardno TBE's QL "B" SUE field investigation was performed on 2/09/15 through 3/18/15. Additional QL Level "A" test holes were performed 3/11/15 through 3/13/15.

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



TBE Job No. IL09510483, 549, 616, 637, 646
SUE Plan Page: 3 of 6

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

F.A. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2010-080-B	Cook	888	275
FED. ROAD DIST. NO. - ILLINOIS			IDOT Project No.	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REV. 5

REV. 5



REV. 1: (3/20/15) ADDITIONAL ELECTRIC LINework & REVISED UTILITY OWNERS

(EVIDENCE SUGGESTS LINE MAY BE OUT OF SERVICE.)
IDOT (STREET LIGHT)
REV. 2

IDOT (STREET LIGHT)

(UNABLE TO ELECTRONICALLY DESIGNATE CABLES EXISTING MANHOLE STRUCTURE EAST AND WEST. SOME CABLES ARE CUT AND EVIDENCE SUGGESTS LINE MAY BE OUT OF SERVICE.)

IDOT (CABLES CUT IN MANHOLE)

CITY OF CHICAGO ELECTRIC UTILITY QUALITY LEVEL "D"

IDOT (TRAFFIC SIGNAL)

CITY OF CHICAGO ELECTRIC (CABLES CUT IN MANHOLE.)

IDOT

IDOT (STREET LIGHT)

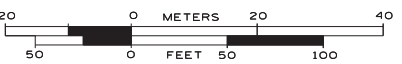
	<p>AERIAL UNKNOWN CABLE TV TELEPHONE GAS ELECTRIC WATER FIBER OPTIC</p>
	<p>TBE TEST HOLE</p>
<p>Utility Quality Level "A": Visually Verified Test Hole Utility Quality Level "B": Designating/non Visually Verified Test Hole Utility Quality Level "C": Research with Survey Utility Quality Level "D": Records Research</p>	

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.

REV. 1:
Additional Cardno TBE's QL"B" SUE field investigation was performed on 2/09/15 through 3/18/15. Additional QL Level "A" test holes were performed 3/11/15 through 3/13/15.

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



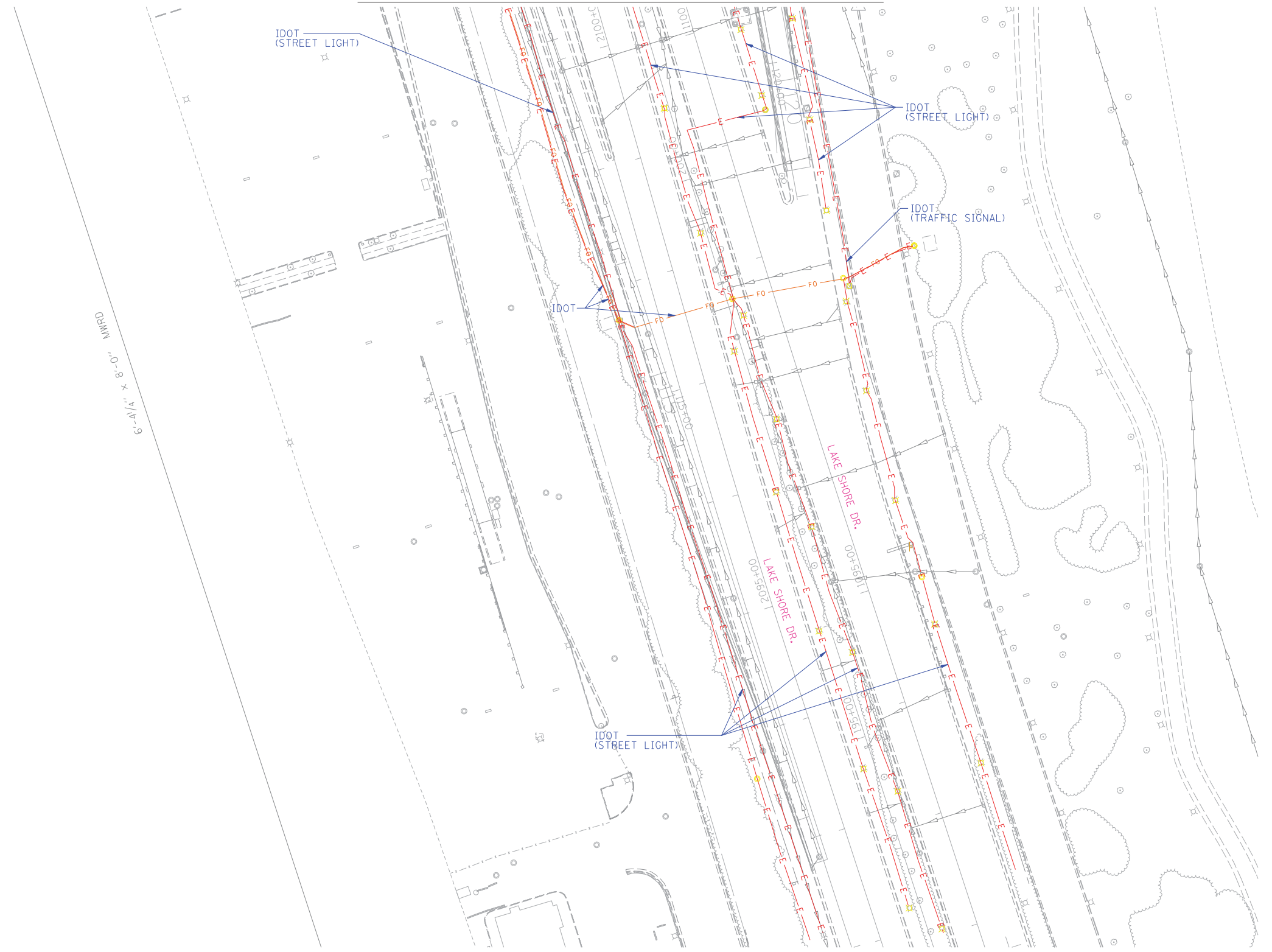
TBE Job No. IL09510483, 549, 616, 637, 646
SUE Plan Page: 4 of 6

DESIGNED	JP	REVISED: 3/20/15 ADDITIONAL LINework
DRAWN	SRK	REVISED
CHECKED	KFS	REVISED
DATE	8/31/12	REVISED

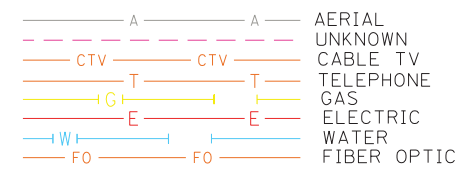
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2010-080-B	Cook	888	276
FED. ROAD DIST. NO. - ILLINOIS			IDOT Project No.	



6'-4 1/4" x 0'-8" DRAWING

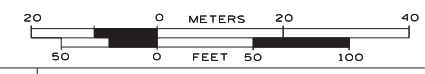


TBE TEST HOLE

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		

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: 5 of 6

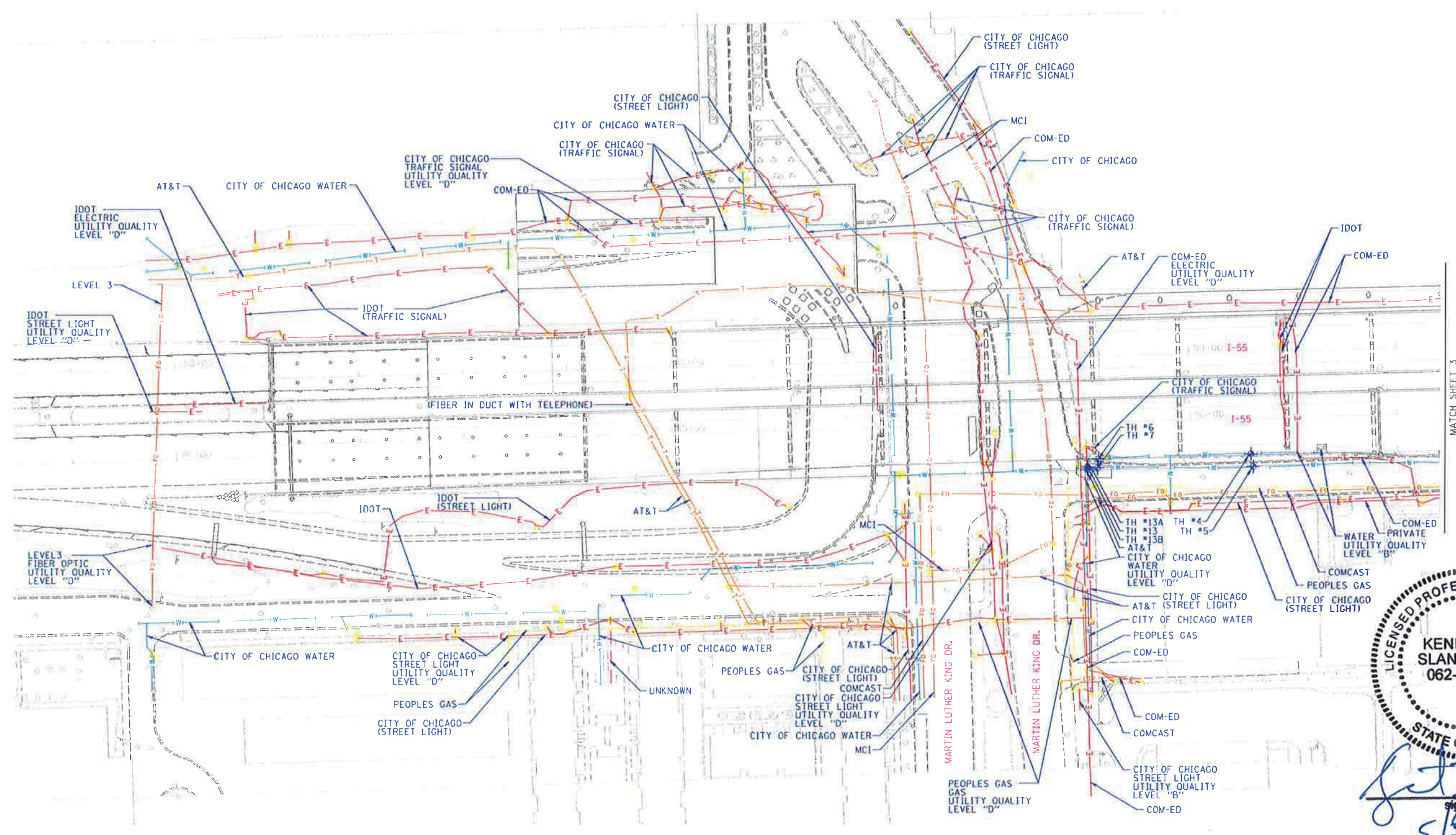
Utility Quality Level "A": Visually Verified Test Hole
Utility Quality Level "B": Designating/non Visually Verified Test Hole
Utility Quality Level "C": Research with Survey
Utility Quality Level "D": Records Research

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	888	277
Contract No. 60X07				
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
 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.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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	888	278

Contract No. 60X07
FED. ROAD DIST. NO. [ILLINOIS] IDOT Project No.

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"
16	SEE NOTE W	1888674.95	1180770.13	591.31'	11.80'	602.39'	QUALITY LEVEL "B"
17	SEE NOTE W	1888498.61	1180765.94	588.34'	11.53'	599.87'	QUALITY LEVEL "B"
18	24" W	1888640.85	1180656.62	585.20'	5.88'	591.08'	QUALITY LEVEL "A"
19	12" G	1888798.35	1180711.30	596.63'	6.60'	603.23'	QUALITY LEVEL "A"
20	SEE NOTE N/A	1888628.65	1180758.23	590.65'	9.15'	599.80'	QUALITY LEVEL "A"

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.
 TH#16 - Unable to visually see the utility due to large rocks within the excavated hole. However, by utilizing the air lance we were able to tap and feel what is believed to be the top of pipe.
 TH#17 -Unable to visually see the utility due to loose pea gravel continually collapsing within the excavated hole. However, by utilizing the air lance we were able to tap and feel what is believed to be the top of pipe.
 TH#20 - Found the edge of the retaining wall footing to the parking garage wall. Reference point was placed directly in line with the edge of footing.

ABBREVIATIONS

G - GAS
 W - WATER
 UNK - UNKNOWN

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.



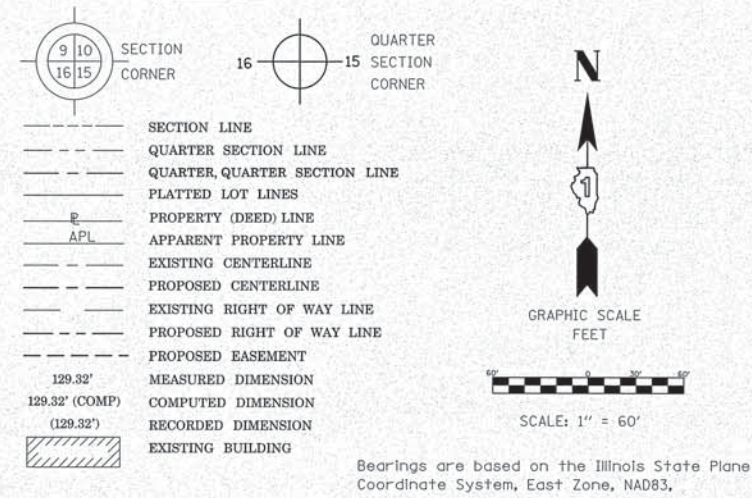
Checked By: _____
 Date: _____

TBE Job No. IL09510549, 616, 637, 646

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					2010-080-B	Cook	888	279
CHECKED KFS	REVISED: 3/20/15 ADDED TH'S 16-20				Contract No. 60X07				
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



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
30	1888178.83	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)

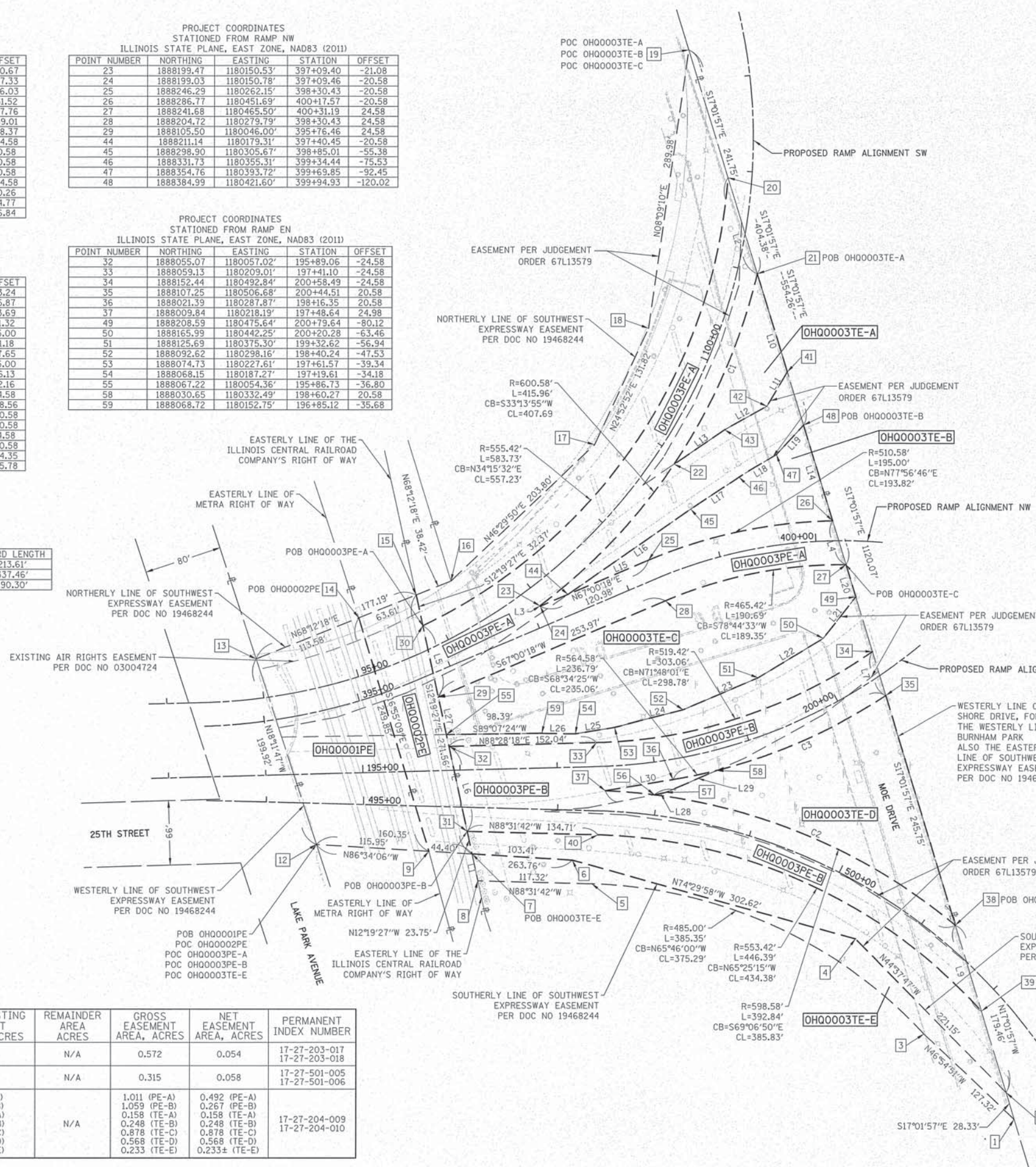
POINT NUMBER	NORTHING	EASTING	STATION	OFFSET
32	1888055.07	1180057.02	195+89.06	-24.58
33	1888059.13	1180209.01	197+41.10	-24.58
34	1888152.44	1180492.84	200+58.49	-24.58
35	1888107.25	1180506.68	200+44.51	20.58
36	1888021.39	1180287.87	198+16.35	20.58
37	1888009.84	1180218.19	197+48.64	24.98
49	1888208.59	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 OH00003PE-B OH00003TE-A OH00003TE-B OH00003TE-C OH00003TE-D OH00003TE-E	13.572	N/A	0.519 (PE-A) 0.792 (PE-B) 0.000 (TE-A) 0.000 (TE-B) 0.000 (TE-C) 0.000 (TE-D) 0.000 (TE-E)	N/A	1.011 (PE-A) 1.059 (PE-B) 0.158 (TE-A) 0.248 (TE-B) 0.878 (TE-C) 0.568 (TE-D) 0.233 (TE-E)	0.492 (PE-A) 0.267 (PE-B) 0.158 (TE-A) 0.248 (TE-B) 0.878 (TE-C) 0.568 (TE-D) 0.233± (TE-E)	17-27-204-009 17-27-204-010



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: 281 OF 888

RECEIVED
APR 14 2014
PLATS & LEGALS

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

ELECTRICAL SYMBOLS FOR PROPOSED WORK

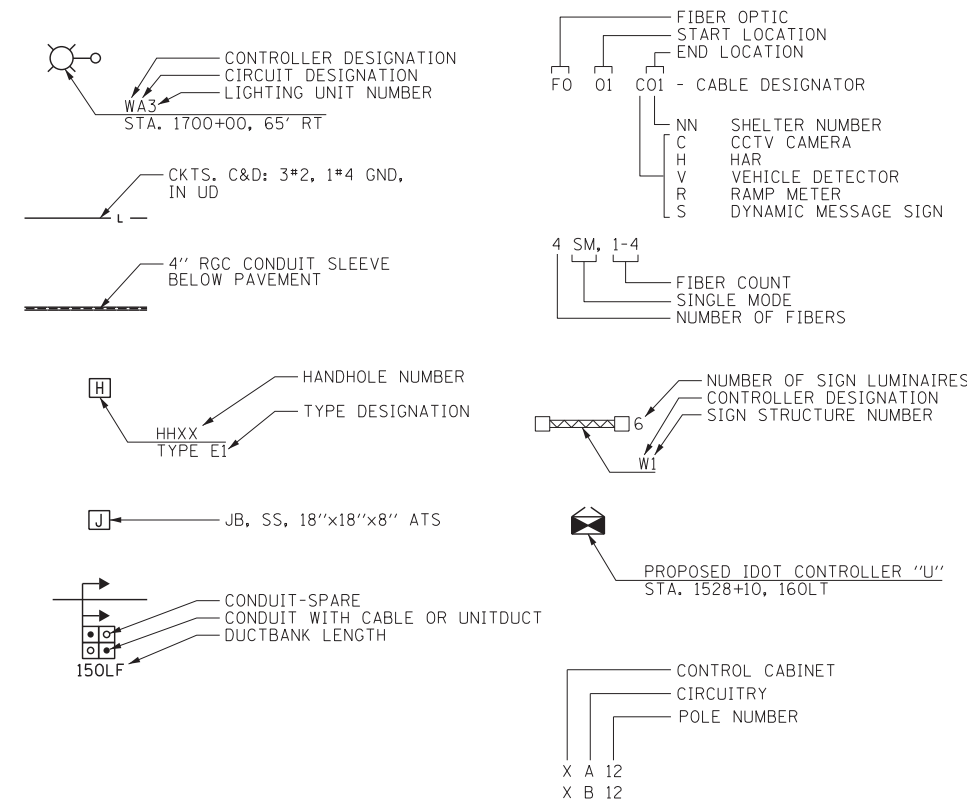
	LIGHTING UNIT: TYPE AS INDICATED CONVENTIONAL IDOT LIGHTING UNIT: 47'-6" M.H., 6'-0" FT. DAVIT ARM(S), 400W HPS M-C-III LUMINAIRE, 240V (PHASE TO NEUTRAL) PARAPET WALL MOUNTED		LIGHTED SIGN STRUCTURE-CANTILEVER TYPE (NUMBER OF FLUORESCENT FIXTURES AS INDICATED - TYP.)
	CONVENTIONAL IDOT LIGHTING UNIT: 47'-6" M.H., 6'-0" FT. DAVIT ARM(S), 400W HPS M-C-II LUMINAIRE, 240V (PHASE TO NEUTRAL) PARAPET WALL MOUNTED		LIGHTED SIGN STRUCTURE-TRUSS TYPE
	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		LIGHTED SIGN STRUCTURE-BRIDGE MOUNT TYPE
	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		DYNAMIC MESSAGE SIGN
	47'-6" M.H., 2-15 FT. DAVIT ARM 2-400W HPS M-C-III LUMINAIRE, PARAPET WALL MOUNTED		FLASHING BEACON SIGN
	47'-6" M.H., 2-15 FT. DAVIT ARM 2-400W HPS M-C-III LUMINAIRE, GROUND MOUNTED WITH BREAKAWAY TRANSFORMER BASE		CLOSED CIRCUIT TELEVISION CAMERA
	TEMPORARY LUMINAIRE AND 50' WOOD POLE, 43' M.H., 15' M.A., 400W HPS M-C-III LUMINAIRE, 240V (PHASE TO NEUTRAL), GROUND MOUNTED		MICROWAVE DETECTOR
	TEMPORARY LUMINAIRE AND 80' WOOD POLE, 70' M.H., 15' M.A., 400W HPS M-C-III LUMINAIRE, 240V (PHASE TO NEUTRAL) GROUND MOUNTED		VIDEO DETECTOR
	EXISTING LIGHTING UNIT TO BE REMOVED AND REINSTALLED ON A NEW FOUNDATION		DETECTOR LOOP
	IDOT UNDERPASS LUMINAIRE: HPS, 100 WATT HPS WITH TYPE 4 DISTRIBUTION, 240V (PHASE TO NEUTRAL)		MAIN DISTRIBUTION PANEL (MDP)
	MANHOLE		FIBER OPTIC TERMINATION CABINET
	ELECTRIC HANDHOLE: TYPE AS INDICATED		CONTROLLER CABINET: LIGHTING, RADIO CONTROL DUPLX TYPE WITH SCADA (DOOR SIDE AS INDICATED)
	TYPE E1: PRECAST CONCRETE, 21.5"x21.5"x30", IDOT STANDARD 814001		CONTROLLER CABINET: SURVEILLANCE
	TYPE E2: PRECAST CONCRETE-HEAVY DUTY, 22"x22"x30", IDOT STANDARD 814001		CONTROLLER CABINET: SURVEILLANCE, TYPE 334
	TYPE C1: COMMUNICATIONS VAULT, 49 5/8"x32 1/8"x57"		RAMP METER SIGNAL POLE/HEAD
	TYPE S1: PRECAST CONCRETE-HEAVY DUTY, 22"x22"x36"		RAMP METER FLASHER POST
	TYPE S2: PRECAST CONCRETE-HEAVY DUTY SPECIAL, 30"x30"x36"		TEMPORARY WOOD POLE, 30 FOOT LENGTH (6 FOOT BURIED, 24 FOOT INSTALLED HEIGHT)
			TEMPORARY WOOD POLE, 80 FOOT LENGTH (10 FOOT BURIED, 70 FOOT INSTALLED HEIGHT)
			HIGHWAY ADVISORY RADIO ANTENNA
	JUNCTION BOX: TYPE AND SIZE AS INDICATED ON PLANS		ELECTRIC UTILITY POLE
	PULL BOX: TYPE AND SIZE AS INDICATED ON PLANS		CCTV CAMERA POLE OR METAL POLE
	UTILITY SERVICE TRANSFORMER		POLE MOUNTED ELECTRIC UTILITY TRANSFORMER(S)
	FIBER OPTIC COMMUNICATIONS HUT		

ELECTRICAL SYMBOLS FOR EXISTING CONDITIONS

	EXISTING LIGHTING UNIT, TWIN LUMINAIRE		EXISTING TRANSCLOSURE
	EXISTING LIGHTING UNIT		EXISTING HANDHOLE
	EXISTING TEMPORARY LIGHTING UNIT		EXISTING LIGHTED SIGN STRUCTURE- CANTILEVER TYPE
	EXISTING UNDERPASS LUMINAIRE		EXISTING LIGHTED SIGN STRUCTURE-TRUSS TYPE
	EXISTING MANHOLE		EXISTING LIGHTED SIGN STRUCTURE- BRIDGE MOUNT TYPE
	EXISTING LIGHT FOUNDATION/METAL POLE		EXISTING DYNAMIC MESSAGE SIGN
	EXISTING JUNCTION BOX		EXISTING FLASHING BEACON SIGN
	EXISTING PULL BOX		EXISTING CLOSED CIRCUIT TELEVISION CAMERA
	EXISTING CONDUIT SPLICE		EXISTING MICROWAVE DETECTOR
	EXISTING UTILITY SERVICE TRANSFORMER		EXISTING DETECTOR LOOP
	EXISTING FIBER OPTIC COMMUNICATIONS HUT		EXISTING LIGHTING CONTROLLER, DUPLEX
	EXISTING DOUBLE HANDHOLE		EXISTING CONTROLLER CABINET
	EXISTING POWER POLE/POWER POLE SERVICE		EXISTING GROUND ROD
	EXISTING HEAVY DUTY HANDHOLE		EXISTING PRIORITY VEHICLE DETECTOR
	EXISTING WOOD POLE		

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

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

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	DRAWN - CAM	REVISED -
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PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT ELECTRICAL SYMBOLS

SCALE: N.T.S. SHEET NO. 1 OF 38 SHEETS STA. TO STA.

F.A.I. RTE. 55	SECTION 2013-049B	COUNTY COOK	TOTAL SHEETS 888	SHEET NO. 282
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

RL-01

SUMMARY OF QUANTITIES FOR IDOT LIGHTING		
PAY ITEM	UNIT	QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.	FOOT	46
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	262
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	270
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	100
CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	60
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	7148
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	2
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	7
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	3
UNIT DUCT, 600V 3-1C NO.2, 1/C NO. 4 GROUND,(XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	1600
UNIT DUCT, 600V 3-1C NO.4, 1/C NO. 6 GROUND,(XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	675
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1150
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	4891
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	15234
AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	3625
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	47
UNDERPASS LUMINAIRE, 100 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	4
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 6 FT. DAVIT ARM	EACH	21
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 12 FT. DAVIT ARM	EACH	5
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	65
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	5
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	21
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	40
REMOVAL OF POLE FOUNDATION	EACH	7
REMOVE TEMPORARY WOOD POLE	EACH	2
DISCONNECT SIGN LIGHTING AND REMOVE WIRING TO NEAREST SPLICE	EACH	3
TEMPORARY WOOD POLE, 50 FT., CLASS 4, 15 FT. MAST ARM	EACH	8
MAST ARM, STREET LIGHTING, 15'	EACH	6
TEMPORARY WOOD POLE, 80 FT., CLASS 4	EACH	1
TEMPORARY WOOD POLE, 80 FT., CLASS 4, 15 FT. MAST ARM	EACH	7
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	26
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	22

NOTES

1. ANY DISCREPANCIES THAT ARE DISCOVERED BETWEEN PAY ITEMS AND QUANTITIES SHOWN ON THIS SHEET AND THE SUMMARY OF QUANTITIES (SOO) SHEETS, THE SOO SHEET PAY ITEMS AND QUANTITIES SHALL SUPERCEDE INFORMATION SHOWN ON THIS SHEET.

RL-02

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PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

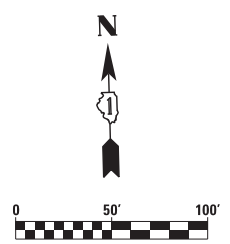
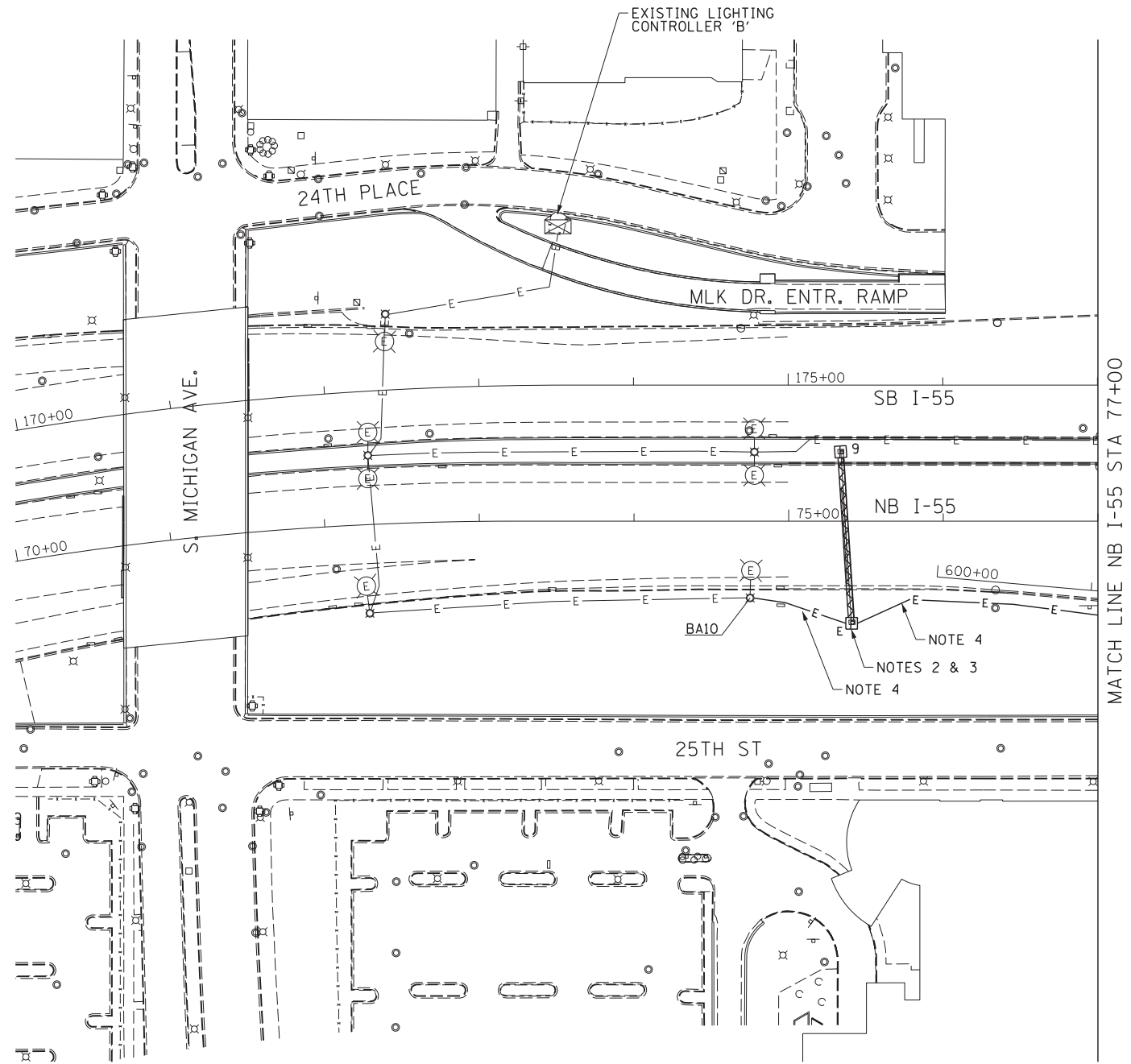
IDOT LIGHTING SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 2 OF 38 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	283
				CONTRACT NO. 60X07
ILLINOIS FED. AID PROJECT				

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 "REMOVE OVERHEAD SIGN STRUCTURE-SPAN" 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 FEED BETWEEN IDOT LIGHTING UNITS BA10 & BB11 SHALL BE REPLACED DUE TO THE REMOVAL OF THE EXISTING SIGN STRUCTURE. SEE DRAWING RL-10A FOR THE NEW FEED.



RL-02A

FILE NAME = D:\60X07-Sht-RL-02A_ExistingDemo.dgn



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

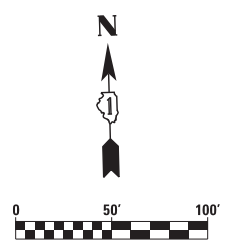
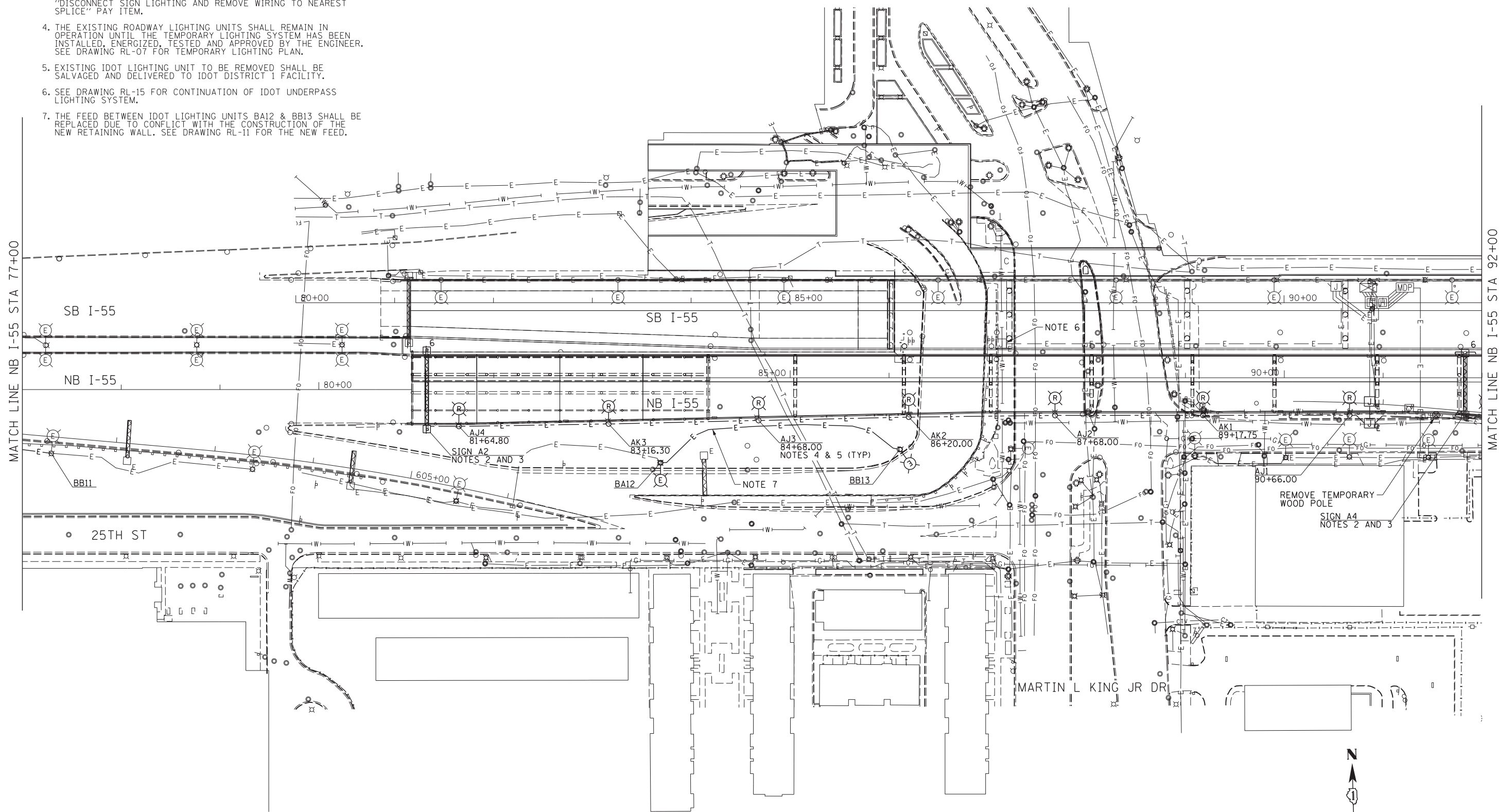
**EXISTING/DEMOLITION
IDOT LIGHTING PLANS**

SCALE: 1" = 50' SHEET NO. 2A OF 38 SHEETS STA. TO STA. 77+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	284
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

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 "REMOVE OVERHEAD SIGN STRUCTURE-SPAN" 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. EXISTING IDOT LIGHTING UNIT TO BE REMOVED SHALL BE SALVAGED AND DELIVERED TO IDOT DISTRICT 1 FACILITY.
6. SEE DRAWING RL-15 FOR CONTINUATION OF IDOT UNDERPASS LIGHTING SYSTEM.
7. THE FEED BETWEEN IDOT LIGHTING UNITS BA12 & BB13 SHALL BE REPLACED DUE TO CONFLICT WITH THE CONSTRUCTION OF THE NEW RETAINING WALL. SEE DRAWING RL-11 FOR THE NEW FEED.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING/DEMOLITION
IDOT LIGHTING PLANS**

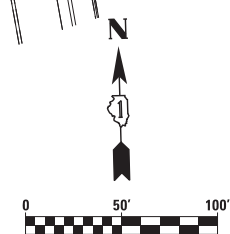
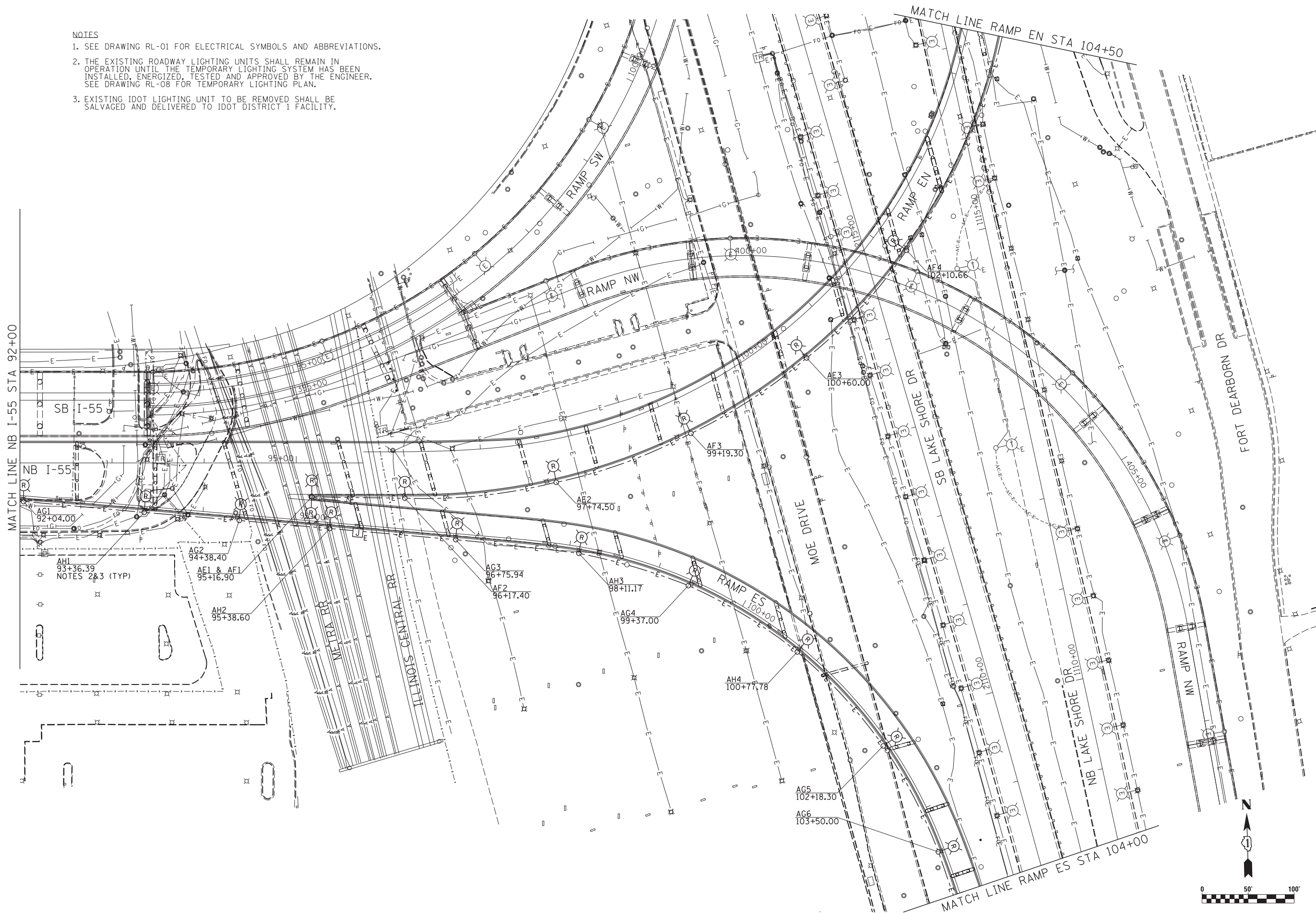
SCALE: 1" = 50' SHEET NO. 3 OF 38 SHEETS STA. 77+00 TO STA. 92+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	285
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

RL-03

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 PLAN.
3. EXISTING IDOT LIGHTING UNIT TO BE REMOVED SHALL BE SALVAGED AND DELIVERED TO IDOT DISTRICT 1 FACILITY.



RL-04

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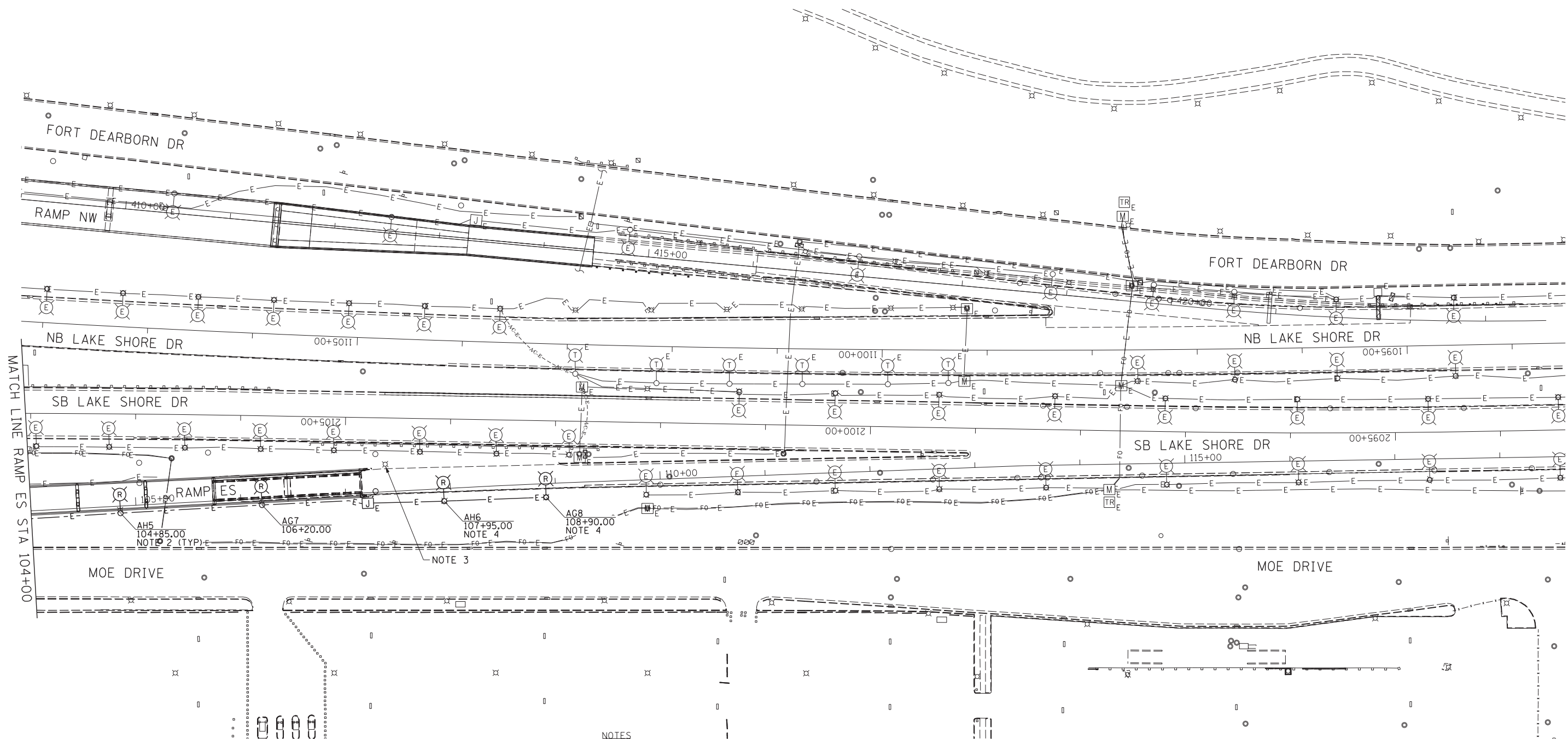
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

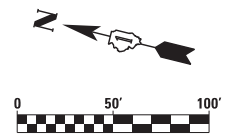
SCALE: 1" = 50'	SHEET NO. 4 OF 38 SHEETS	STA. 92+00 TO STA. 104+00
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**EXISTING/DEMOLITION
IDOT LIGHTING PLANS**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	286
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



- NOTES
1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 2. EXISTING IDOT LIGHTING UNIT TO BE REMOVED SHALL BE SALVAGED AND DELIVERED TO IDOT DISTRICT 1 FACILITY.
 3. THE EXISTING ABANDONED CONCRETE FOUNDATION SHALL BE BROKEN DOWN AND DISPOSED OF PROPERLY. THIS WORK SHALL BE INCLUDED IN THE COST OF THE "REMOVAL OF EXISTING STRUCTURE NO. 2" PAY ITEM.
 4. REMOVE EXISTING CONCRETE FOUNDATION FOR LIGHTING UNIT.



RL-05

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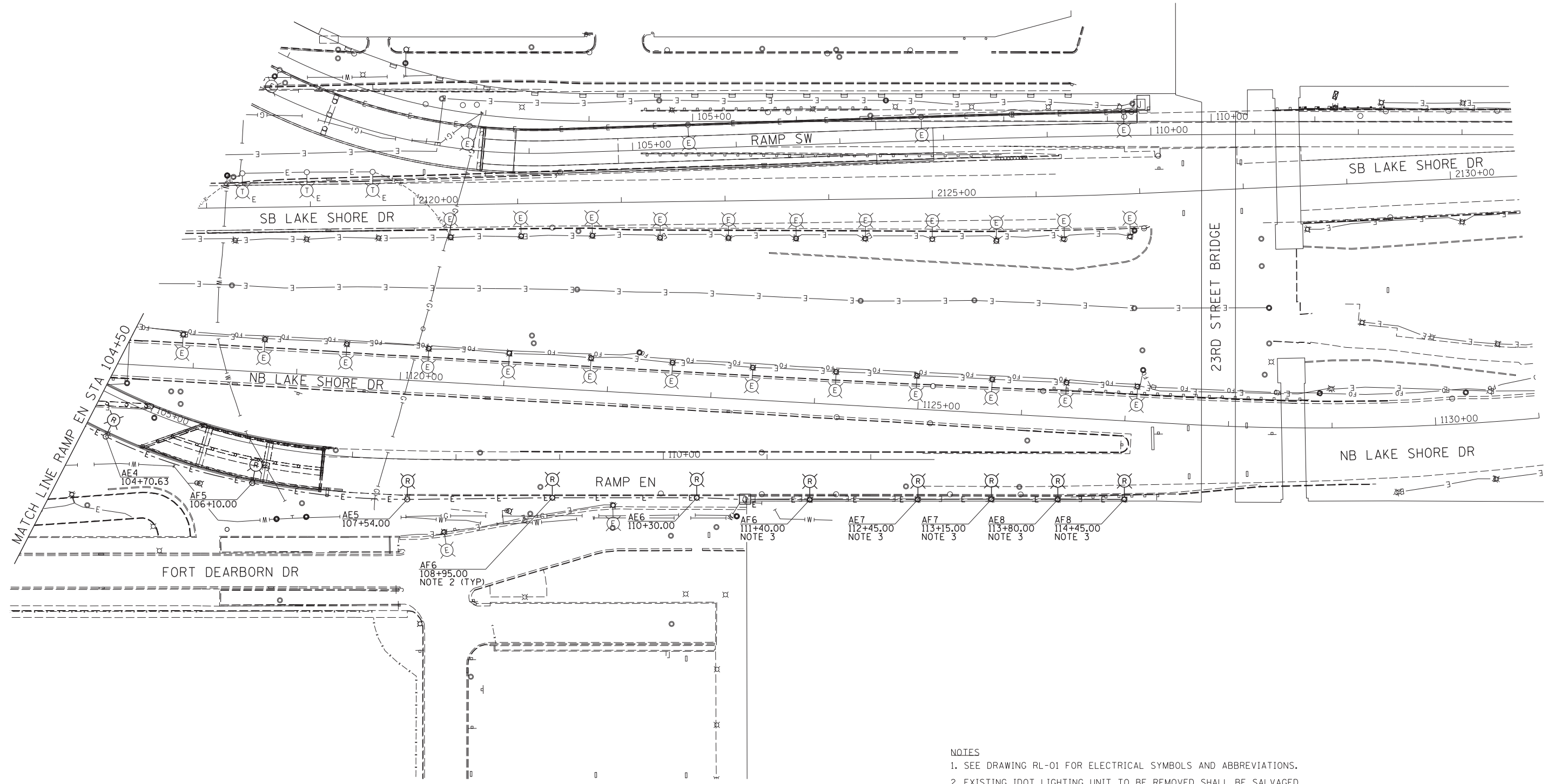
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	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

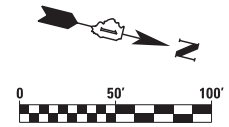
**EXISTING/DEMOLITION
IDOT LIGHTING PLANS**

SCALE: 1" = 50' SHEET NO. 5 OF 38 SHEETS STA. 104+00 TO STA. 1093+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	287
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



- NOTES
- SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - EXISTING IDOT LIGHTING UNIT TO BE REMOVED SHALL BE SALVAGED AND DELIVERED TO IDOT DISTRICT 1 FACILITY.
 - REMOVE EXISTING CONCRETE FOUNDATION FOR LIGHTING UNIT.



RL-06

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

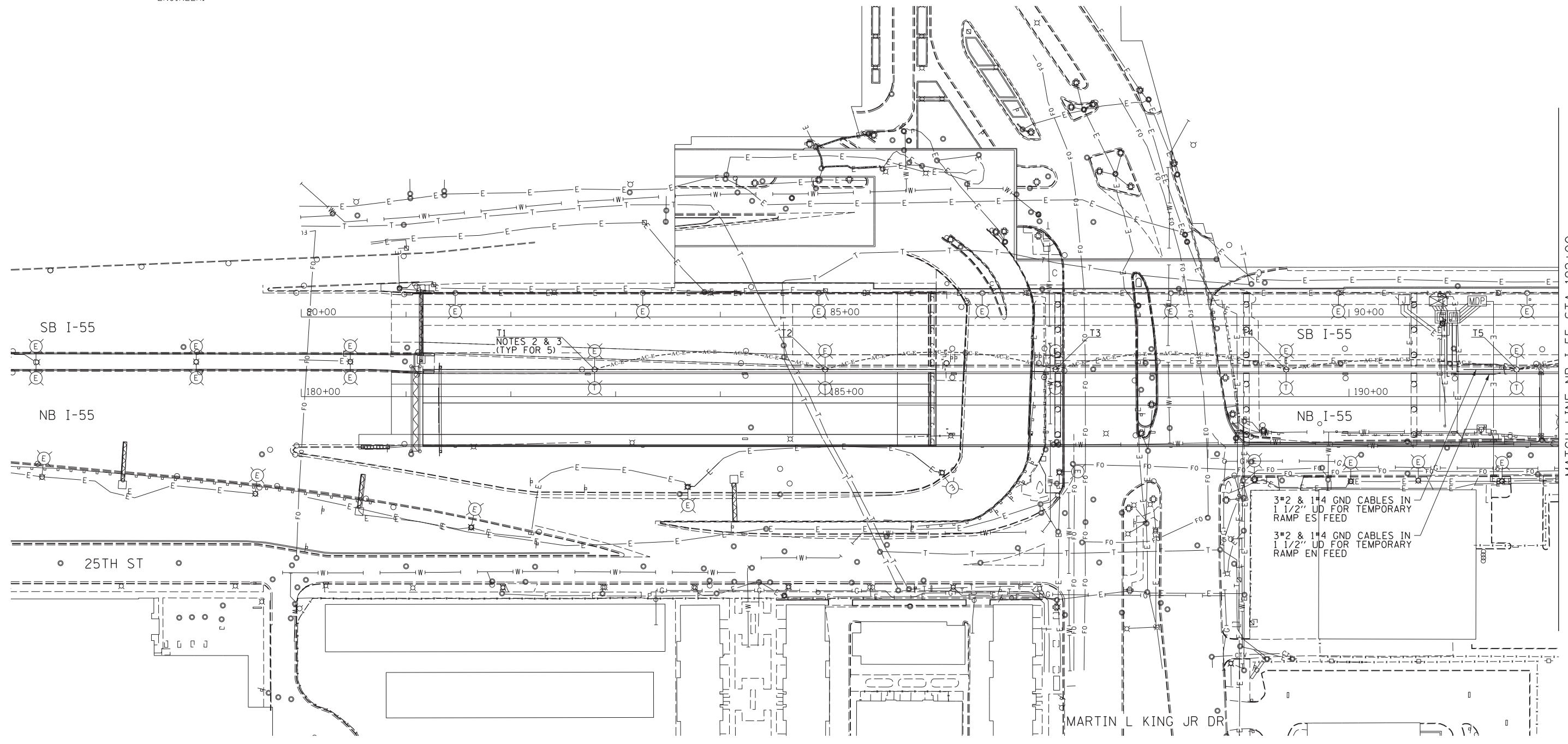
EXISTING/DEMOLITION
IDOT LIGHTING PLANS

SCALE: 1" = 50' SHEET NO. 6 OF 38 SHEETS STA. 104+50 TO STA. 1131+00

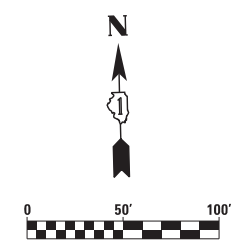
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	288
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

NOTES

1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. INSTALL NEW MAST ARM AND LUMINAIRE ON THE EXISTING TEMPORARY WOOD POLE AS SHOWN. EXISTING TEMPORARY WOOD POLE INSTALLED IN IDOT CONTRACT 60L70. COORDINATE ALL WORK WITH THE 60L70 CONTRACTOR. THIS WORK WILL BE PAID FOR UNDER THE "MAST ARM, STREET LIGHTING, 15' " PAY ITEM. CONNECT THE LUMINAIRES TO THE EXISTING TEMPORARY LIGHTING CIRCUITS. ALTERNATE CIRCUITS FOR EVERY OTHER TEMPORARY LIGHTING UNIT.
3. THE TEMPORARY WOOD POLE, MAST ARM(S) AND LUMINAIRE(S) SHALL BE REMOVED AT THE END OF THE PROJECT OR AS DIRECTED BY THE ENGINEER.



MATCH LINE NB I-55 STA 192+00



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY IDOT LIGHTING PLANS

SCALE: 1" = 50' SHEET NO. 7 OF 38 SHEETS STA. 77+00 TO STA. 192+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	289
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

RL-07

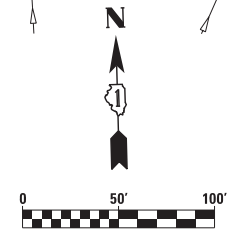
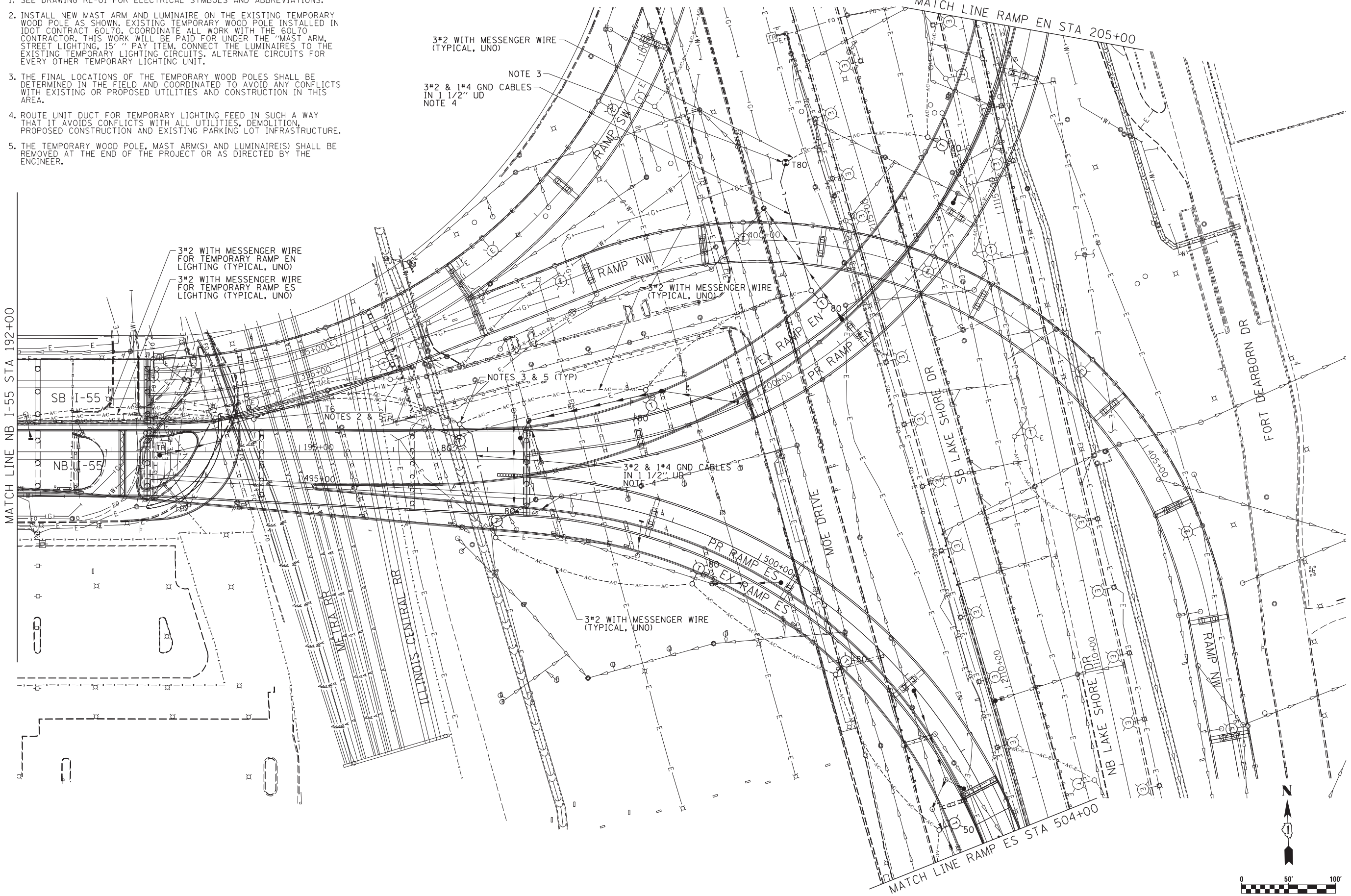
NOTES

1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. INSTALL NEW MAST ARM AND LUMINAIRE ON THE EXISTING TEMPORARY WOOD POLE AS SHOWN, EXISTING TEMPORARY WOOD POLE INSTALLED IN IDOT CONTRACT 60L70, COORDINATE ALL WORK WITH THE 60L70 CONTRACTOR. THIS WORK WILL BE PAID FOR UNDER THE "MAST ARM, STREET LIGHTING, 15' " PAY ITEM. CONNECT THE LUMINAIRES TO THE EXISTING TEMPORARY LIGHTING CIRCUITS. ALTERNATE CIRCUITS FOR EVERY OTHER TEMPORARY LIGHTING UNIT.
3. THE FINAL LOCATIONS OF THE TEMPORARY WOOD POLES SHALL BE DETERMINED IN THE FIELD AND COORDINATED TO AVOID ANY CONFLICTS WITH EXISTING OR PROPOSED UTILITIES AND CONSTRUCTION IN THIS AREA.
4. ROUTE UNIT DUCT FOR TEMPORARY LIGHTING FEED IN SUCH A WAY THAT IT AVOIDS CONFLICTS WITH ALL UTILITIES, DEMOLITION, PROPOSED CONSTRUCTION AND EXISTING PARKING LOT INFRASTRUCTURE.
5. THE TEMPORARY WOOD POLE, MAST ARM(S) AND LUMINAIRE(S) SHALL BE REMOVED AT THE END OF THE PROJECT OR AS DIRECTED BY THE ENGINEER.

MATCH LINE NB I-55 STA 192+00

MATCH LINE RAMP EN STA 205+00

MATCH LINE RAMP ES STA 504+00



FILE NAME = D:\60X07-Sht-RL08_Temporary.dgn



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	DATE - 5/26/2015	REVISED -

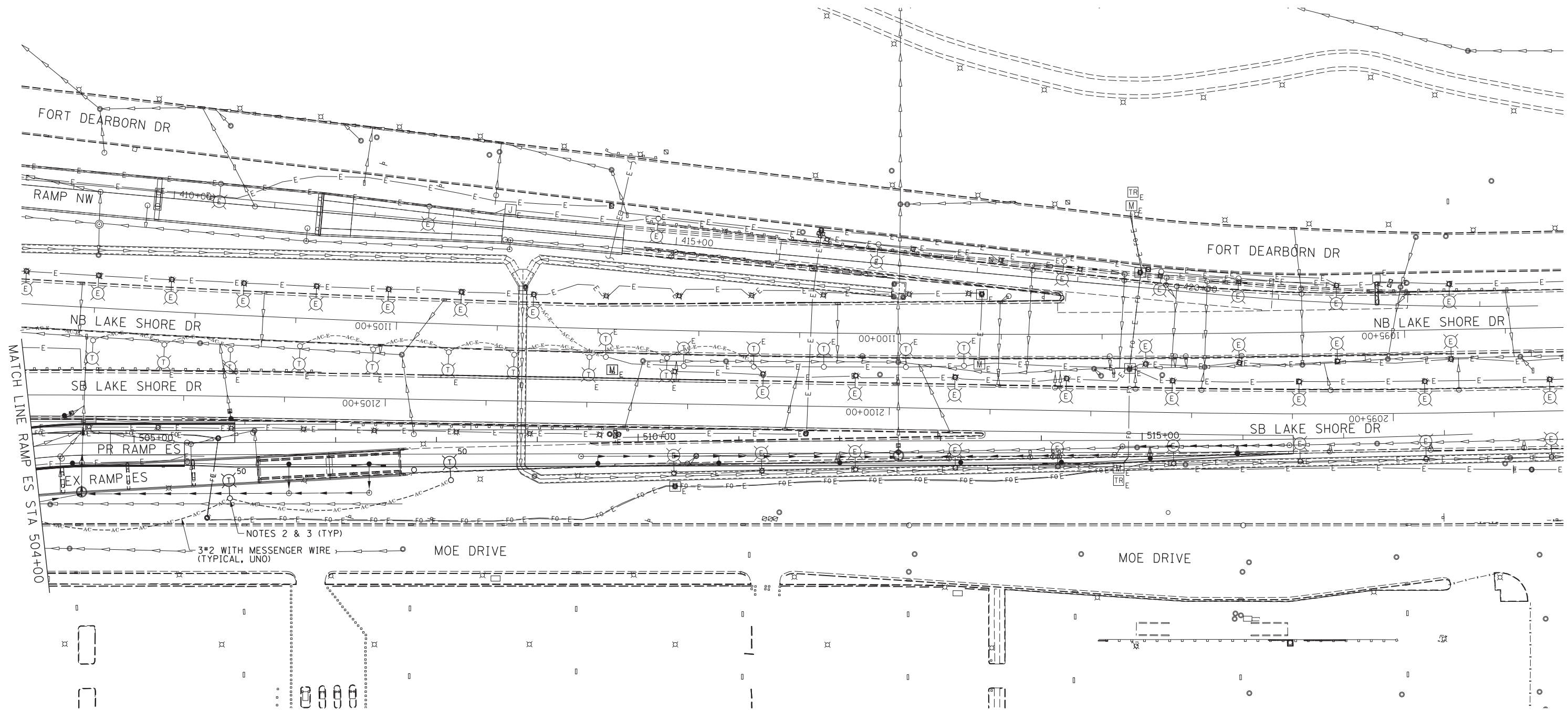
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY IDOT LIGHTING PLANS

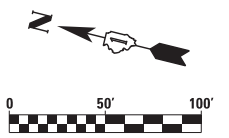
SCALE: 1" = 50' SHEET NO. 8 OF 38 SHEETS STA. 192+00 TO STA. 504+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	290
				CONTRACT NO. 60X07
ILLINOIS FED. AID PROJECT				

RL-08



- NOTES**
- SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - THE FINAL LOCATIONS OF THE TEMPORARY WOOD POLES SHALL BE DETERMINED IN THE FIELD AND COORDINATED TO AVOID ANY CONFLICTS WITH EXISTING OR PROPOSED UTILITIES AND CONSTRUCTION IN THIS AREA.
 - THE TEMPORARY WOOD POLE, MAST ARM(S) AND LUMINAIRE(S) SHALL BE REMOVED AT THE END OF THE PROJECT OR AS DIRECTED BY THE ENGINEER.



RL-09

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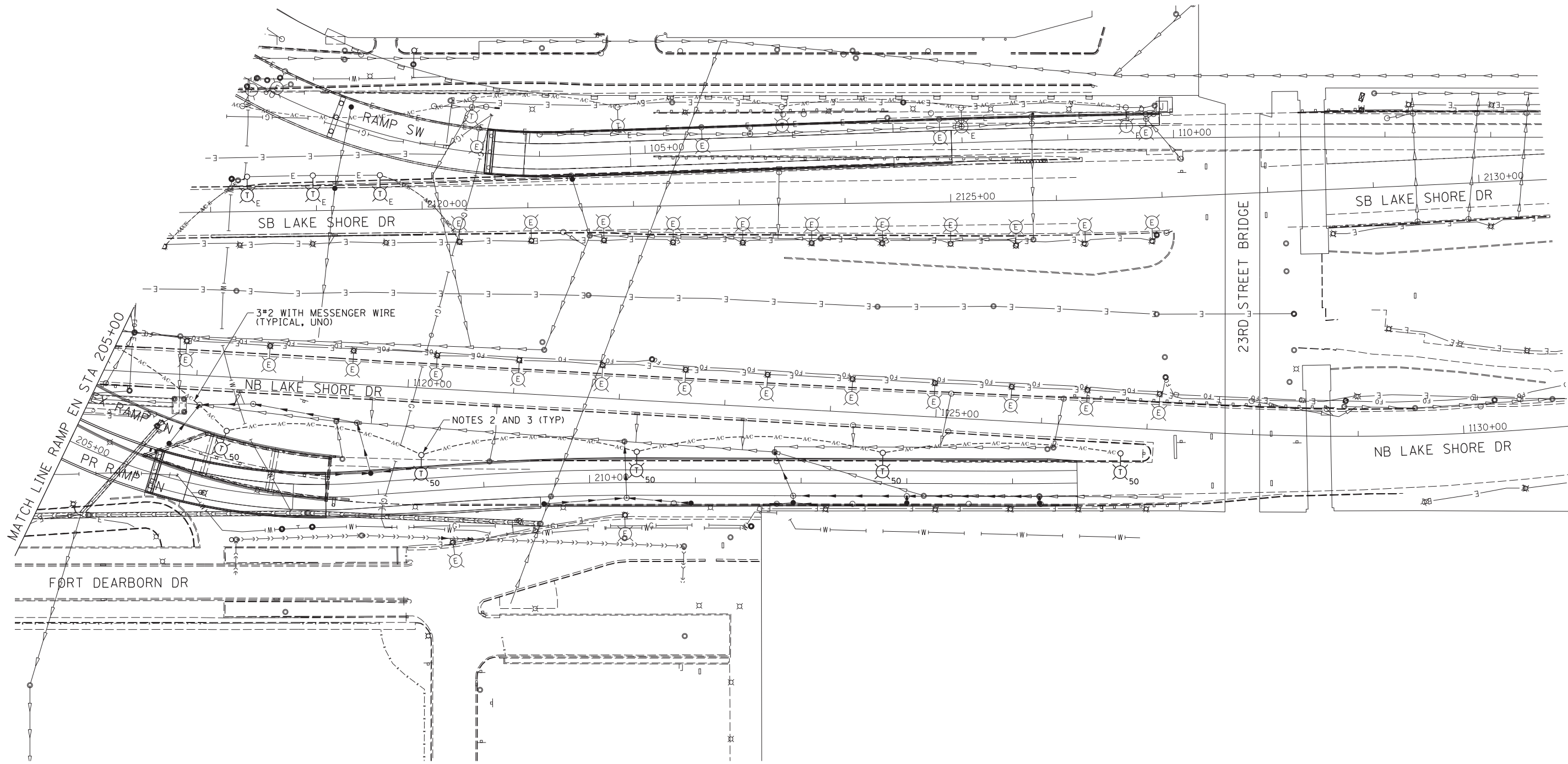
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	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

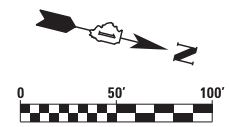
TEMPORARY IDOT LIGHTING PLANS

SCALE: 1" = 50' SHEET NO. 9 OF 38 SHEETS STA. 504+00 TO STA. 1093+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	291
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



- NOTES
- SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - THE FINAL LOCATIONS OF THE TEMPORARY WOOD POLES SHALL BE DETERMINED IN THE FIELD AND COORDINATED TO AVOID ANY CONFLICTS WITH EXISTING OR PROPOSED UTILITIES AND CONSTRUCTION IN THIS AREA.
 - THE TEMPORARY WOOD POLE, MAST ARM(S) AND LUMINAIRE(S) SHALL BE REMOVED AT THE END OF THE PROJECT OR AS DIRECTED BY THE ENGINEER.



RL-10

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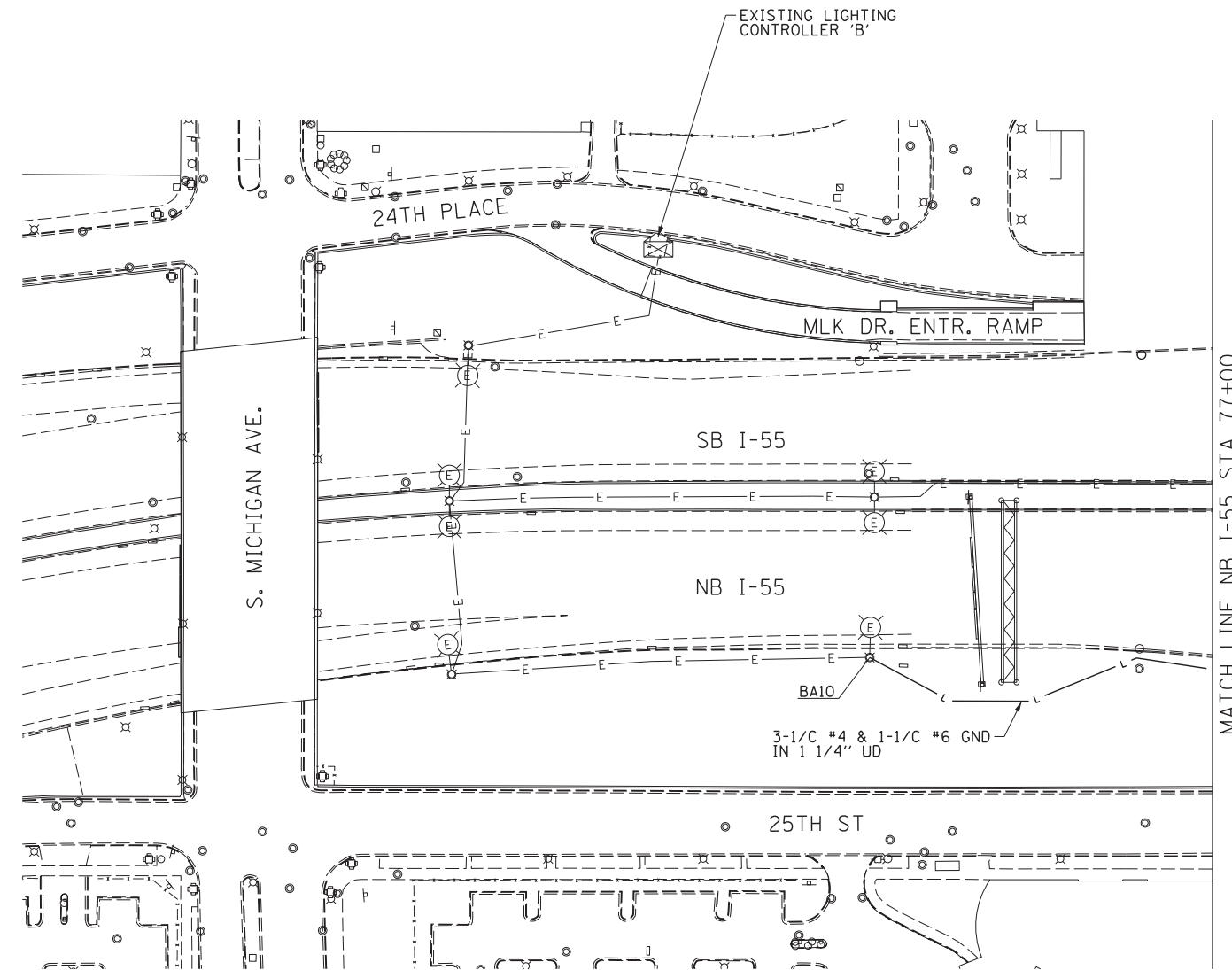
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY IDOT LIGHTING PLANS

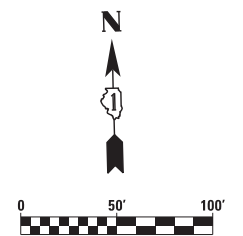
SCALE: 1" = 50' SHEET NO. 10 OF 38 SHEETS STA. 205+00 TO STA. 1131+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	292
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

NOTES
 1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.



MATCH LINE NB I-55 STA 77+00



RL-10A

FILE NAME = D:\60X07-Sht-RL-10A_Proposed.dgn



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PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED IDOT LIGHTING PLANS

SCALE: 1" = 50' SHEET NO. 10A OF 38 SHEETS STA. TO STA. 77+00

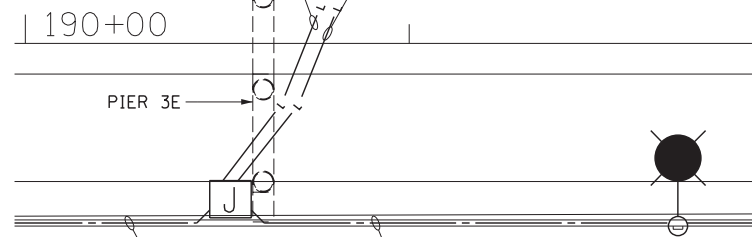
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	293
				CONTRACT NO. 60X07
ILLINOIS FED. AID PROJECT				

NOTES

1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. SEE DRAWING RL-16 FOR UNDERPASS LIGHTING SYSTEM LAYOUT.
3. SEE DRAWING RL-20 FOR CONDUIT ATTACHED TO PIER 3E INSTALLATION DETAIL.
4. ROUTE PROPOSED CABLES THROUGH THE DOUBLE HANDHOLE INTO THE EXISTING LIGHTING CONTROLLER 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. ONLY THE EMBEDDED CONDUIT CONTAINING THE LIGHTING CIRCUIT FEEDING THE INDIVIDUAL LIGHTING UNIT SHALL BE ROUTED INTO AND OUT OF THE POLE BASE. THE REMAINING CONDUIT, INCLUDING ALL SPARES, SHALL BE INSTALLED AS HOMERUNS AND SHALL BE ROUTED DIRECTLY TO THE LOAD THAT THEY FEED.

CKTS L&K: 3*2 & 1*4 GND CABLES IN 3" RGS CONDUIT

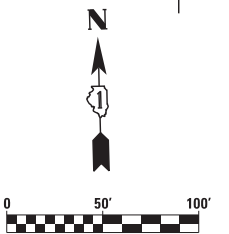
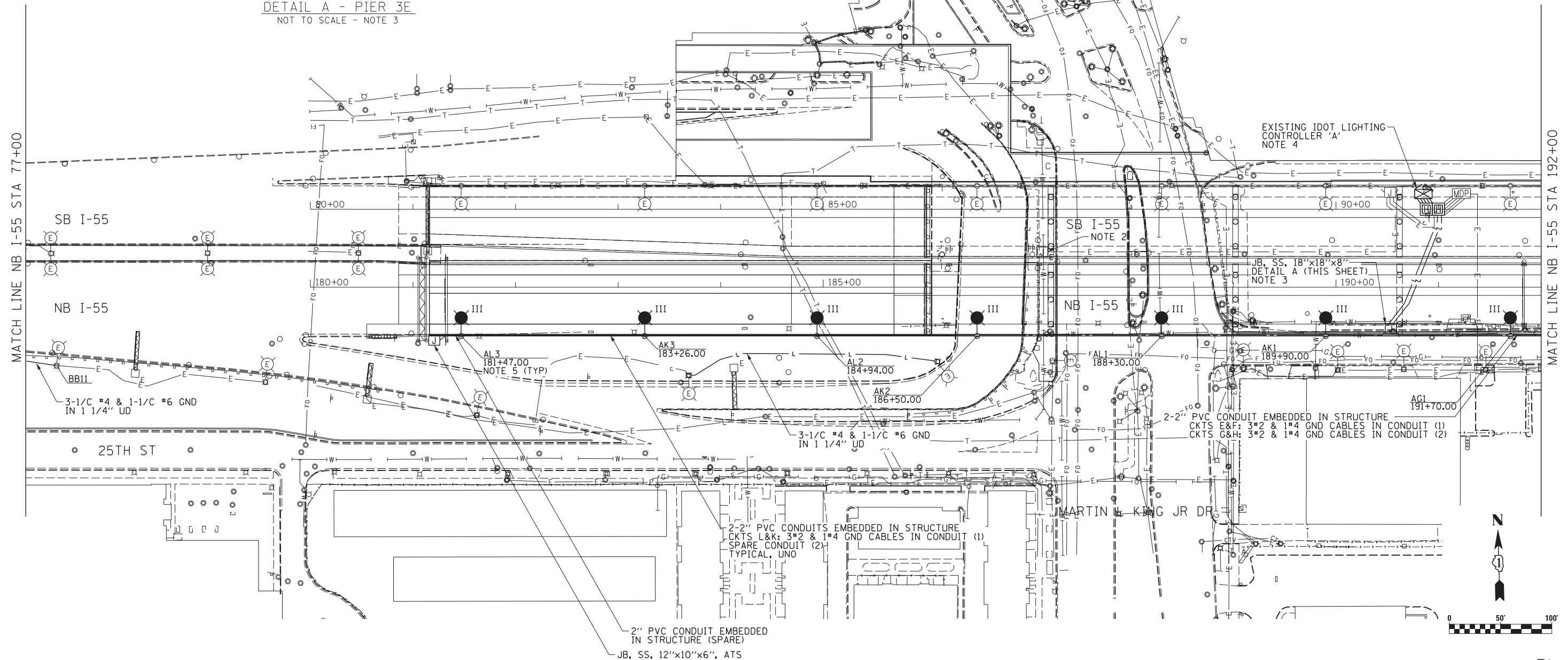
CKTS E&F AND G&H: 6*2 & 1*4 GND CABLES IN 3" RGS CONDUIT



2-2" PVC CONDUITS EMBEDDED IN STRUCTURE
CKTS L&K: 3*2 & 1*4 GND CABLES IN CONDUIT (1)
SPARE CONDUIT (2)

2-2" PVC CONDUIT EMBEDDED IN STRUCTURE
CKTS E&F: 3*2 & 1*4 GND CABLES IN CONDUIT (1)
CKTS G&H: 3*2 & 1*4 GND CABLES IN CONDUIT (2)

DETAIL A - PIER 3E
NOT TO SCALE - NOTE 3



FILE NAME = D:\60X07-Sht-RL11-Proposed.dgn



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	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED IDOT LIGHTING PLANS

SCALE: 1" = 50' SHEET NO. 11 OF 38 SHEETS STA. 77+00 TO STA. 192+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	294
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

RL-11

NOTES

1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. SEE DRAWING RL-19 FOR CONDUIT ATTACHED TO PIER 8E INSTALLATION DETAIL.
3. SEE DRAWING RL-33 FOR PROPOSED LAKE SHORE DRIVE LIGHTING PLANS.
4. ONLY THE EMBEDDED CONDUIT CONTAINING THE LIGHTING CIRCUIT FEEDING THE INDIVIDUAL LIGHTING UNIT SHALL BE ROUTED INTO AND OUT OF THE POLE BASE. THE REMAINING CONDUIT, INCLUDING ALL SPARES, SHALL BE INSTALLED AS HOMERUNS AND SHALL BE ROUTED DIRECTLY TO THE LOAD THAT THEY FEED.

2-2" PVC CONDUIT EMBEDDED IN STRUCTURE
 CKTS E&F: 3*2 & 1*4 GND CABLES IN CONDUIT (1)
 SPARE CONDUIT (2)
 TYPICAL, UNO

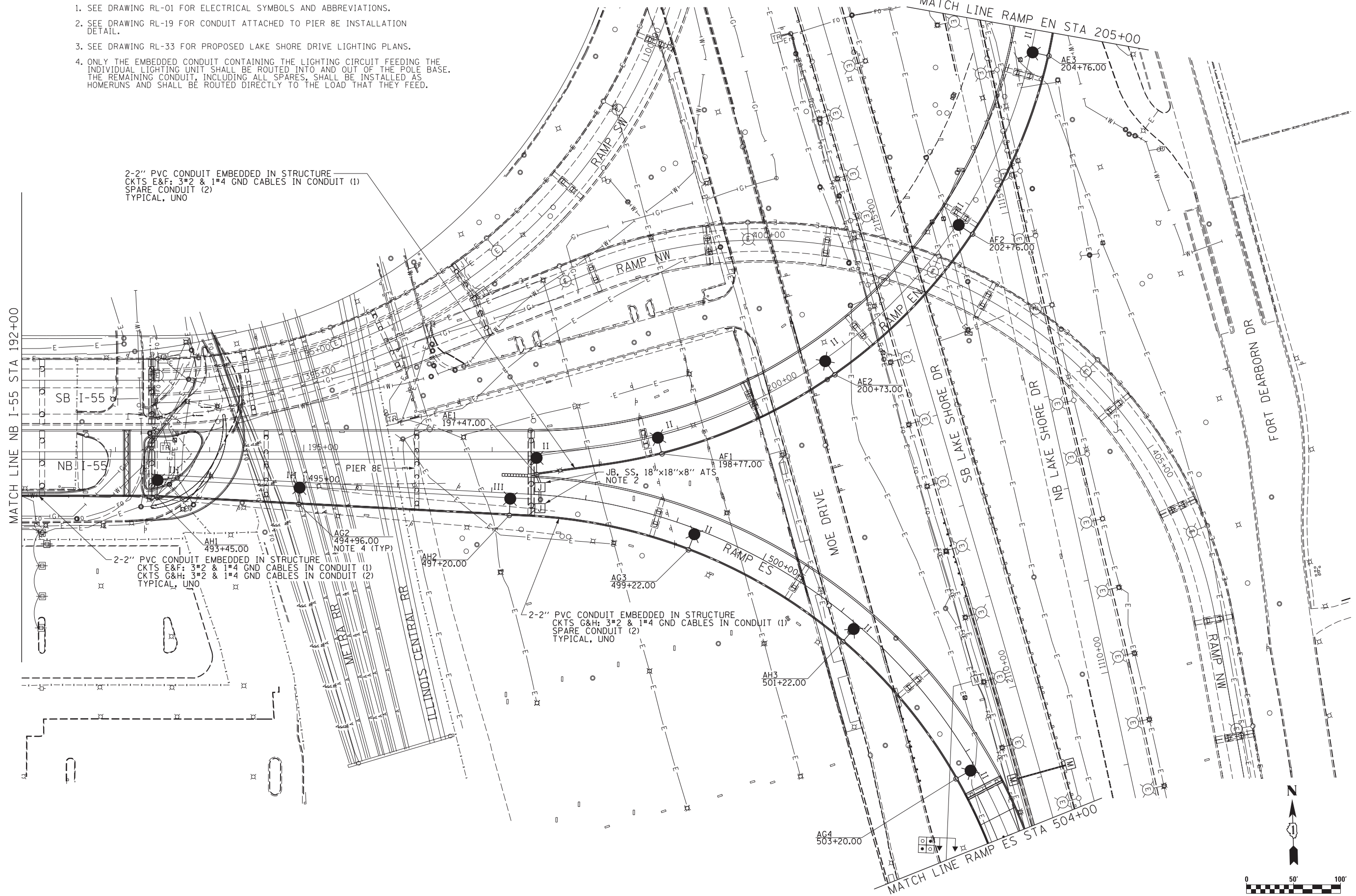
2-2" PVC CONDUIT EMBEDDED IN STRUCTURE
 CKTS E&F: 3*2 & 1*4 GND CABLES IN CONDUIT (1)
 CKTS G&H: 3*2 & 1*4 GND CABLES IN CONDUIT (2)
 TYPICAL, UNO

2-2" PVC CONDUIT EMBEDDED IN STRUCTURE
 CKTS G&H: 3*2 & 1*4 GND CABLES IN CONDUIT (1)
 SPARE CONDUIT (2)
 TYPICAL, UNO

MATCH LINE NB I-55 STA 192+00

MATCH LINE RAMP EN STA 205+00

MATCH LINE RAMP ES STA 504+00



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DESIGNED - PFD
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 CHECKED - WDS
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED IDOT LIGHTING PLANS

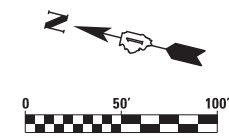
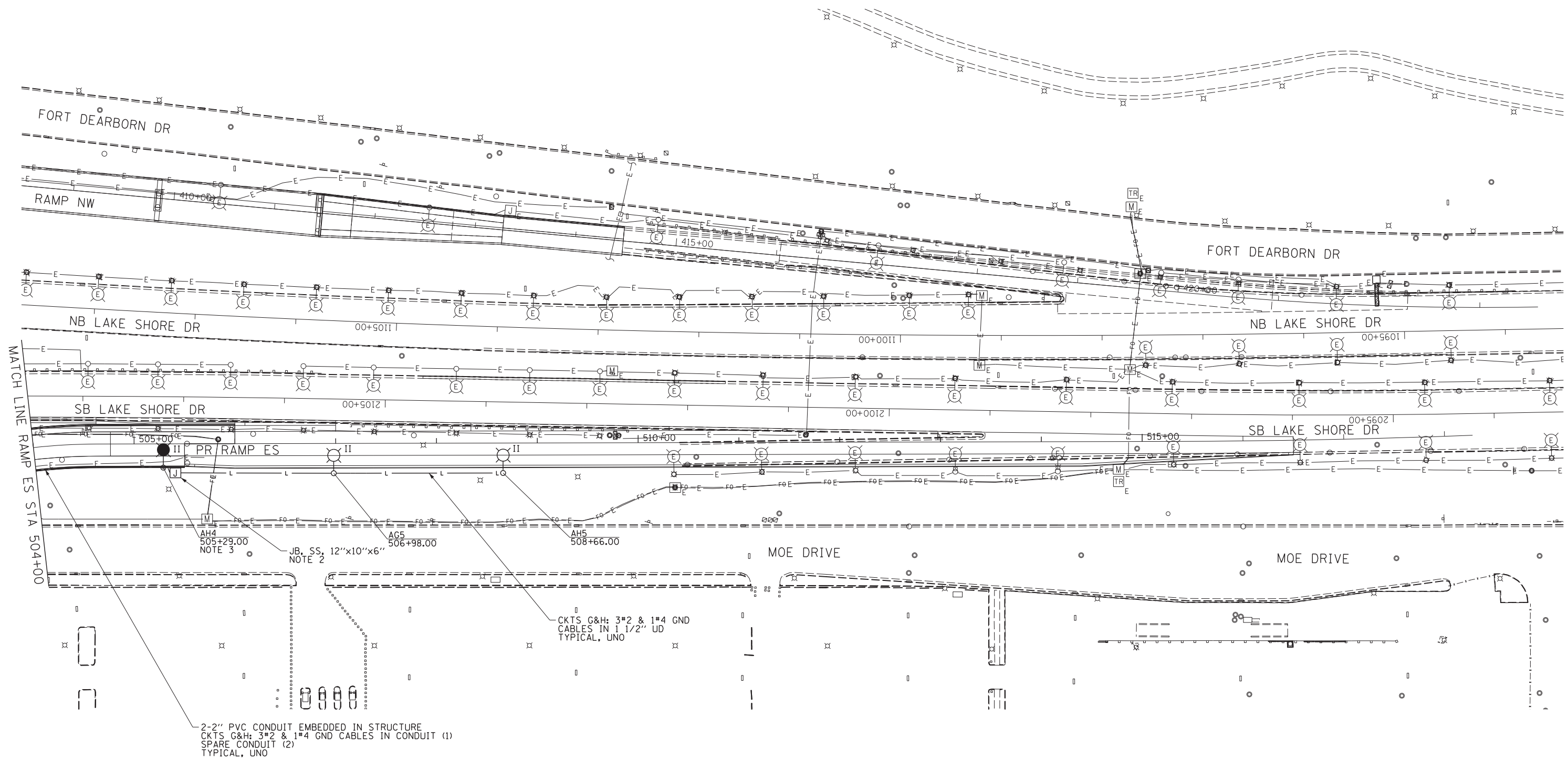
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	295
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

RL-12

NOTES

1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. SEE DRAWING RL-18 FOR EMBEDDED CONDUIT EXITING WALL DETAIL.
3. ONLY THE EMBEDDED CONDUIT CONTAINING THE LIGHTING CIRCUIT FEEDING THE INDIVIDUAL LIGHTING UNIT SHALL BE ROUTED INTO AND OUT OF THE POLE BASE. THE REMAINING CONDUIT, INCLUDING ALL SPARES, SHALL BE INSTALLED AS HOMERUNS AND SHALL BE ROUTED DIRECTLY TO THE LOAD THAT THEY FEED.



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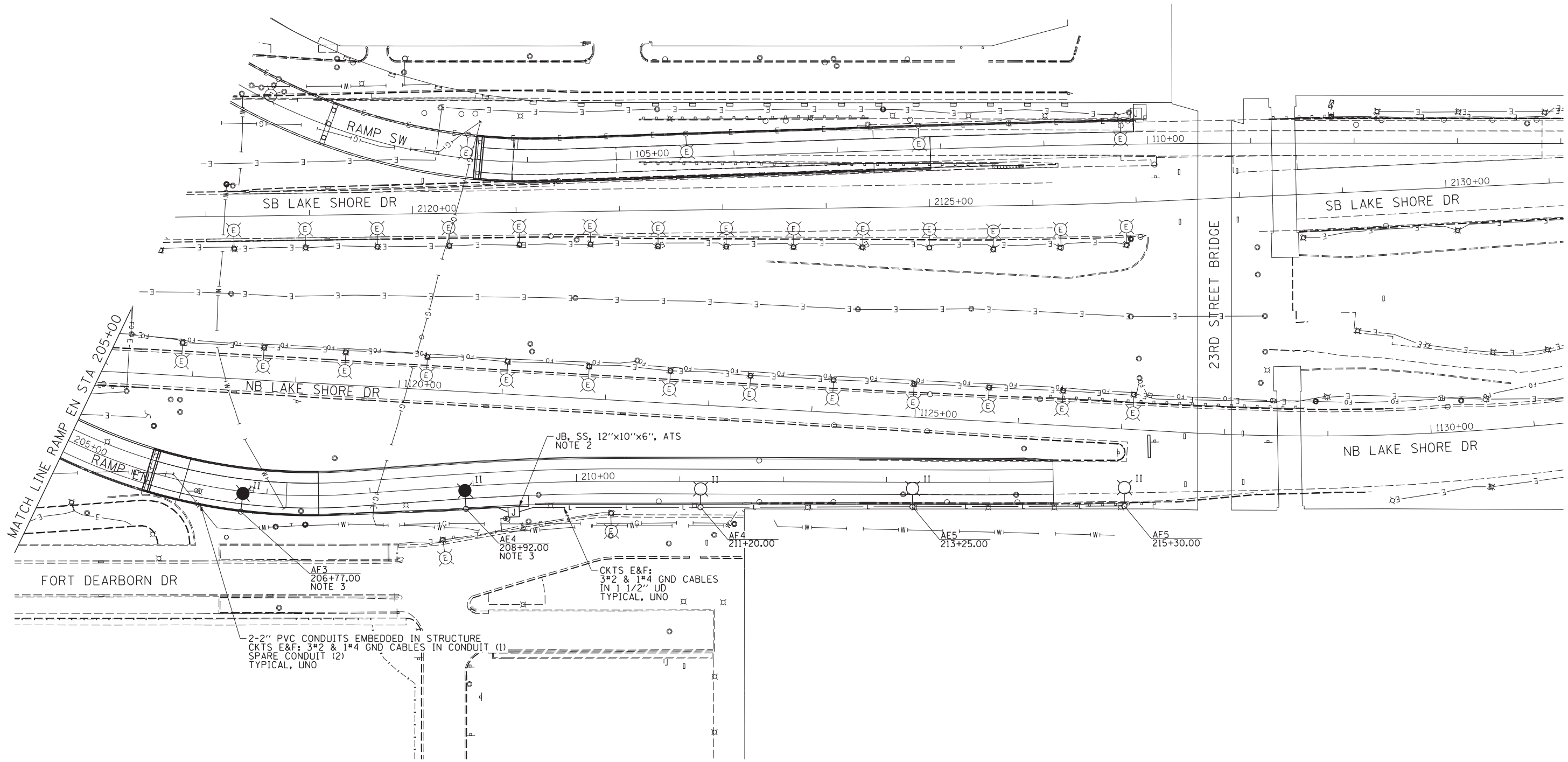
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PLOT DATE = 5/22/2015	CHECKED - WDS	REVISED -
	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED IDOT LIGHTING PLANS
SCALE: 1" = 50' SHEET NO. 13 OF 38 SHEETS STA. 504+00 TO STA. 1093+50

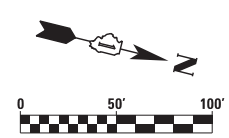
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	296
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

RL-13



NOTES

1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. SEE DRAWING RL-18 FOR EMBEDDED CONDUIT EXITING WALL DETAIL.
3. ONLY THE EMBEDDED CONDUIT CONTAINING THE LIGHTING CIRCUIT FEEDING THE INDIVIDUAL LIGHTING UNIT SHALL BE ROUTED INTO AND OUT OF THE POLE BASE. THE REMAINING CONDUIT, INCLUDING ALL SPARES, SHALL BE INSTALLED AS HOMERUNS AND SHALL BE ROUTED DIRECTLY TO THE LOAD THAT THEY FEED.



RL-14

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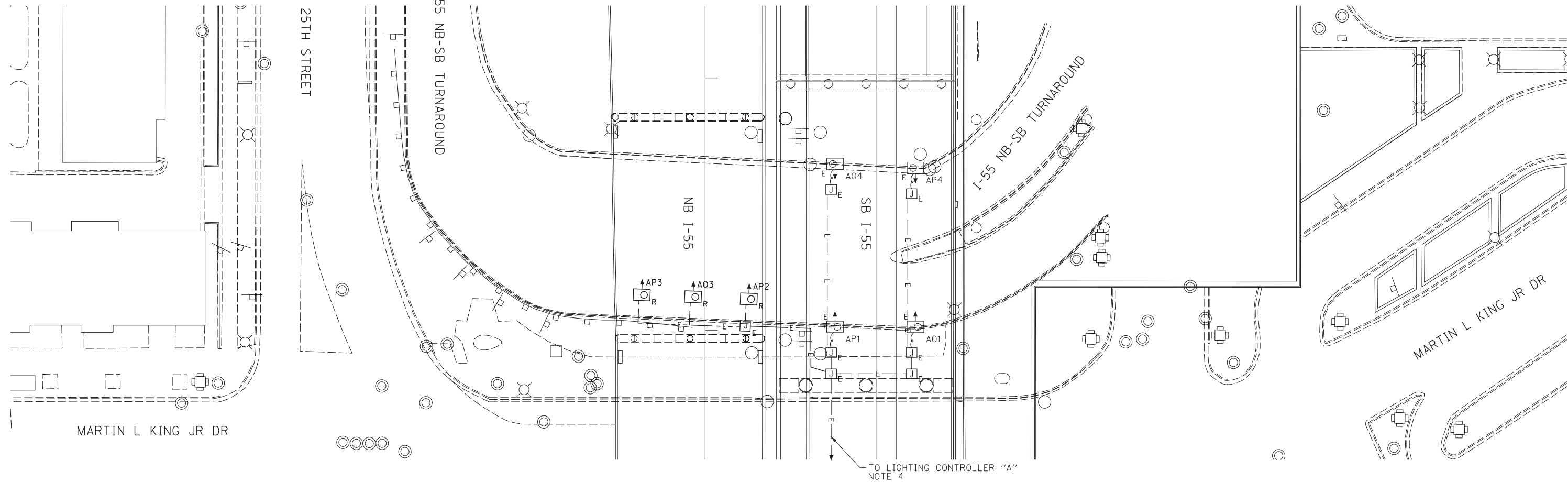
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

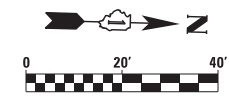
PROPOSED IDOT LIGHTING PLANS

SCALE: 1" = 50' SHEET NO. 14 OF 38 SHEETS STA. 205+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	297
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				



- 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 SYSTEM. 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-03 FOR CONTINUATION OF LIGHTING CIRCUIT.



RL-15

FILE NAME = D:\60X07-Sht-RL-15-E\IPL_15STA.IDOT.dgn



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PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

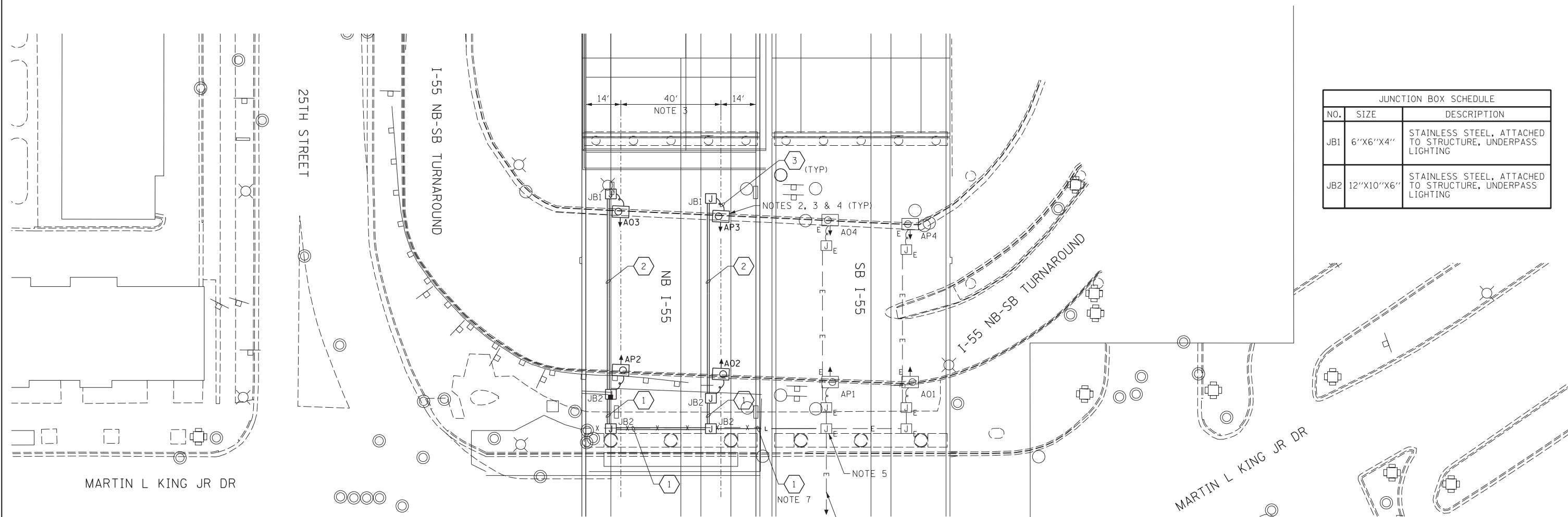
**I-55 NB-SB TURNAROUND
EXISTING UNDERPASS LIGHTING PLAN (IDOT)**

SCALE: 1" = 20' SHEET NO. 15 OF 38 SHEETS STA. 76+00 TO STA. 91+00

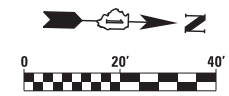
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	298
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

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

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



- NOTES:**
- SEE DRAWING RL-01 FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - SEE IDOT STANDARD DRAWING BE-900 FOR ADDITIONAL INSTALLATION DETAILS FOR PROPOSED SUSPENDED MOUNT UNDERPASS LUMINAIRES.
 - DIMENSIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL CENTER THE SUSPENDED MOUNT LUMINAIRES BETWEEN BRIDGE GIRDERS.
 - SUSPENDED MOUNT UNDERPASS LUMINAIRES SET BACK FROM EDGE OF PAVEMENT SHALL BE 2 FEET, UNLESS NOTED OTHERWISE.
 - CONNECT NEW LIGHTING FEED FOR NB I-55 UNDERPASS LIGHTING TO THE EXISTING CIRCUITS LOCATED IN THIS JUNCTION BOX.
 - SEE DRAWING RL-03 FOR CONTINUATION OF LIGHTING CIRCUIT.
 - PORTIONS OF THIS CONDUIT RUN WILL BE ATTACHED TO STRUCTURE AND A PORTION WILL BE INSTALLED UNDERGROUND. THE ENTIRE CONDUIT RUN WILL BE MEASURED AND PAID FOR AS RIGID GALVANIZED CONDUIT ATTACHED TO STRUCTURE.



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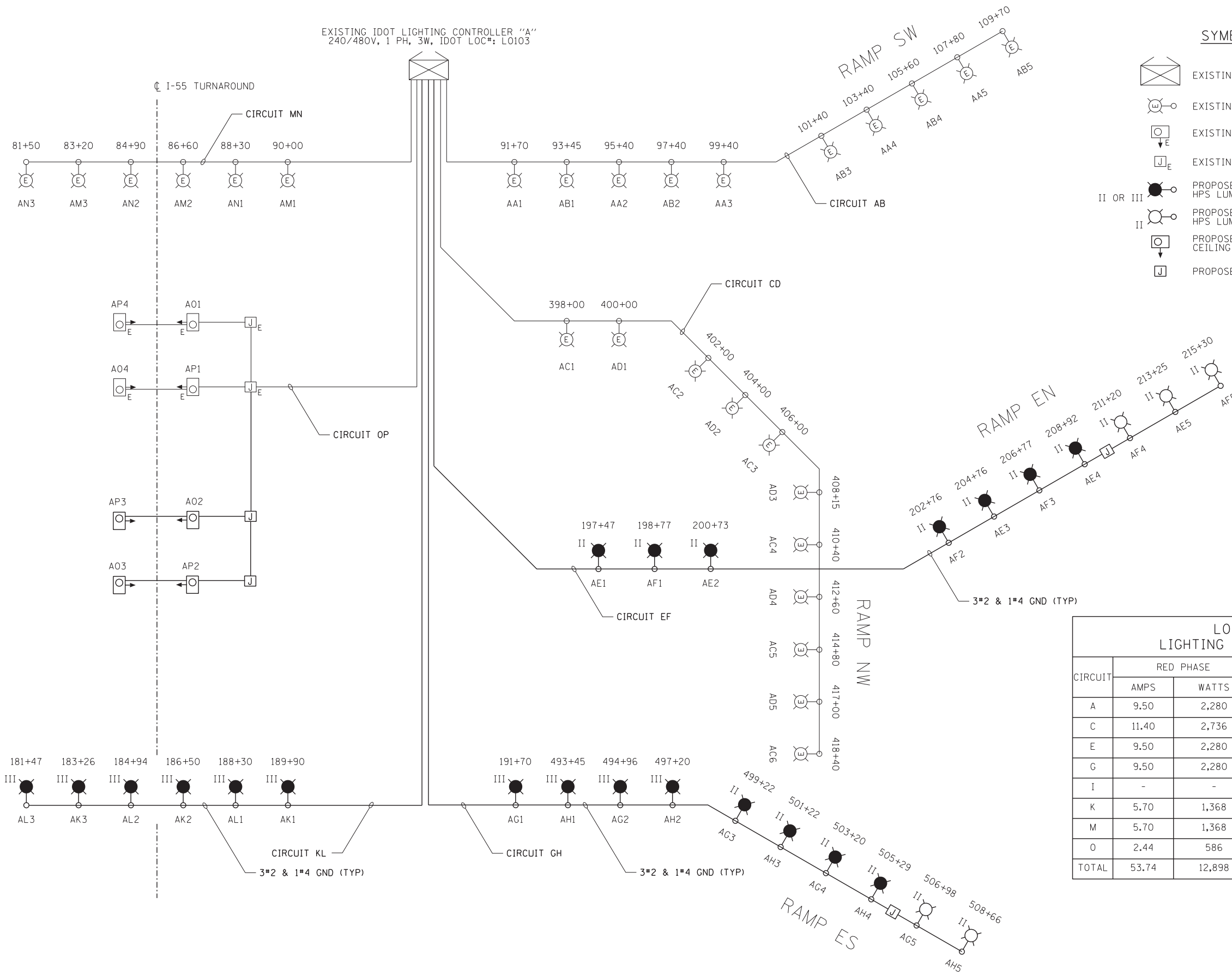
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-55 NB-SB TURNAROUND
PROPOSED UNDERPASS LIGHTING PLAN (IDOT)**
SCALE: 1" = 20' SHEET NO. 16 OF 38 SHEETS STA. 76+00 TO STA. 91+00

F.A.I. RTE. 55	SECTION 2013-049B	COUNTY COOK	TOTAL SHEETS 888	SHEET NO. 299
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

RL-16

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



SYMBOLS LEGEND

- EXISTING IDOT LIGHTING CONTROLLER "A"
- EXISTING LIGHTING UNIT
- EXISTING UNDERPASS LUMINAIRE
- EXISTING JUNCTION BOX
- 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



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	9.50	2,280	F	9.50	2,280
G	9.50	2,280	H	9.50	2,280
I	-	-	J	-	-
K	5.70	1,368	L	5.70	1,368
M	5.70	1,368	N	5.70	1,368
O	2.44	586	P	2.44	586
TOTAL	53.74	12,898	TOTAL	51.84	12,442

FILE NAME = D:\60X07-sht-RL17-WiringDiagram.dgn



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 DRAWN - CAM
 CHECKED - WDS
 DATE - 5/26/2015

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 REVISED -
 REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IDOT LIGHTING CONTROLLER "A"
WIRING DIAGRAM**

SCALE: N.T.S. SHEET NO. 17 OF 38 SHEETS STA. TO STA.

F.A.I. RTE. 55	SECTION 2013-049B	COUNTY COOK	TOTAL SHEETS 888	SHEET NO. 300
CONTRACT NO. 60X07				
ILLINOIS FED. AID PROJECT				

RL-17