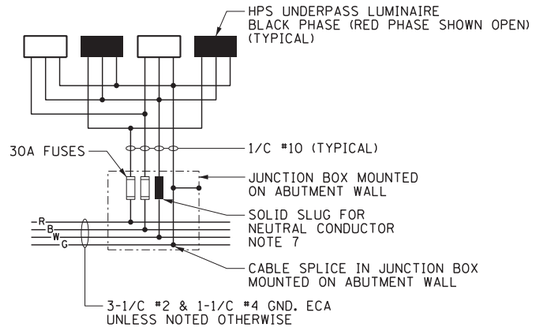


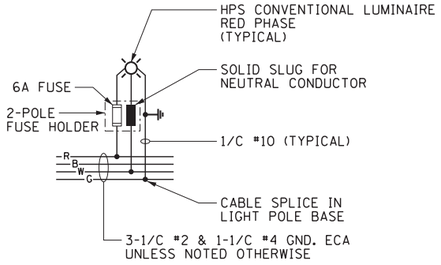
EXPANSION/DEFLECTION CONDUIT COUPLING DETAIL

NOTES 1, 5, AND 6



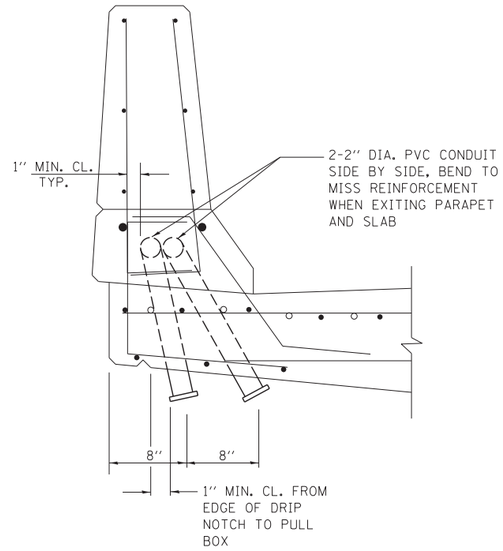
TYPICAL UNDERPASS LIGHTING UNIT WIRING DIAGRAM

(NOT TO SCALE)

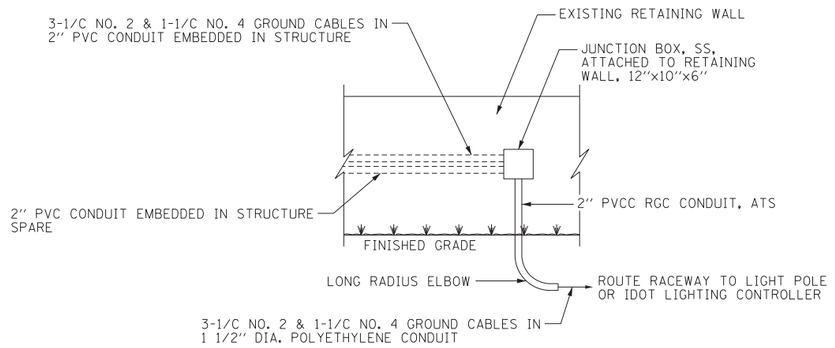


TYPICAL CONVENTIONAL LIGHTING UNIT WIRING DIAGRAM

(NOT TO SCALE)



CONDUIT DROP-OUT DETAIL



EMBEDDED CONDUIT EXITING WALL DETAIL

(NOT TO SCALE)

NOTES:

1. THE CONTRACTOR SHALL INSTALL A CONDUIT EXPANSION/DEFLECTION COUPLING AT THE JOINT LOCATIONS IN THE CONCRETE PARAPET ON THE BRIDGE CAPABLE OF ACCEPTING THE LONGITUDINAL MOVEMENT. ALL METALLIC PARTS OF THE COUPLING SHALL BE MADE OF STAINLESS STEEL OR AS APPROVED BY THE ENGINEER. ANY NON-STAINLESS METAL SHALL BE HOT DIP GALVANIZED AND COATED TO PREVENT ANY REACTION WITH THE CONCRETE. THE COST OF THE COUPLING SHALL BE PART OF AND INCIDENTAL TO THE CONDUIT SYSTEM.
2. THE BARREL IN THE EXPANSION FITTING SHALL BE IN THE CONCRETE ON ONE SIDE OF THE EXPANSION JOINT. ONE HALF THE LENGTH OF THE DEFLECTION FITTING SHALL BE EMBEDDED IN THE CONCRETE ON THE OTHER SIDE OF THE COUPLING.
3. A CAVITY OPENING 3" LARGER IN DIAMETER THAN THE DEFLECTION FITTING SHALL BE PROVIDED IN THE CONCRETE TO ENSURE PROPER PERFORMANCE OF THE COUPLING.
4. CAREFUL ATTENTION TO JOINT MOVEMENT OVER A RANGE OF TEMPERATURES SHALL BE COORDINATED WITH THE SELECTION AND INSTALLATION OF THE COUPLING TO ENSURE THE RANGE OF MOVEMENT OF THE COUPLING IS NOT EXEEDED AT TEMPERATURE EXTREMES.
5. ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE CAREFULLY FOLLOWED TO ENSURE OPTIMUM PERFORMANCE OF THE EXPANSION/DEFLECTION COUPLING.
6. THE CONTRACTOR SHALL INSTALL COUPLINGS AT ALL BRIDGE EXPANSION JOINTS AND SHALL BE RESPONSIBLE TO DETERMINE THE PROPER NUMBER OF COUPLINGS REQUIRED. SEE STRUCTURAL DRAWINGS FOR THE EXPANSION JOINT LOCATIONS.
7. THE FUSES, FUSE HOLDERS, AND SOLID SLUGS SHALL BE PROVIDED ACCORDING TO ARTICLE 1065.01 OF THE IDOT STANDARDS. THE COST OF PROVIDING THE FUSES, FUSE HOLDERS, AND SOLID SLUGS IN THE JUNCTION BOX WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE JUNCTION BOX IN WHICH THEY ARE INSTALLED.

FILE NAME = D:\60X07-int-RL18_ConduitInstallDetail.dgn

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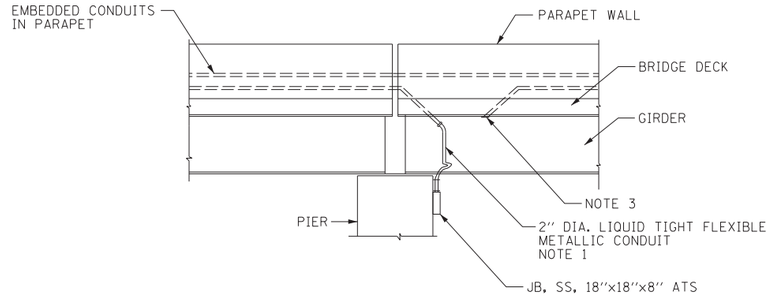
USER NAME = auyeungh	DESIGNED - PFD	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

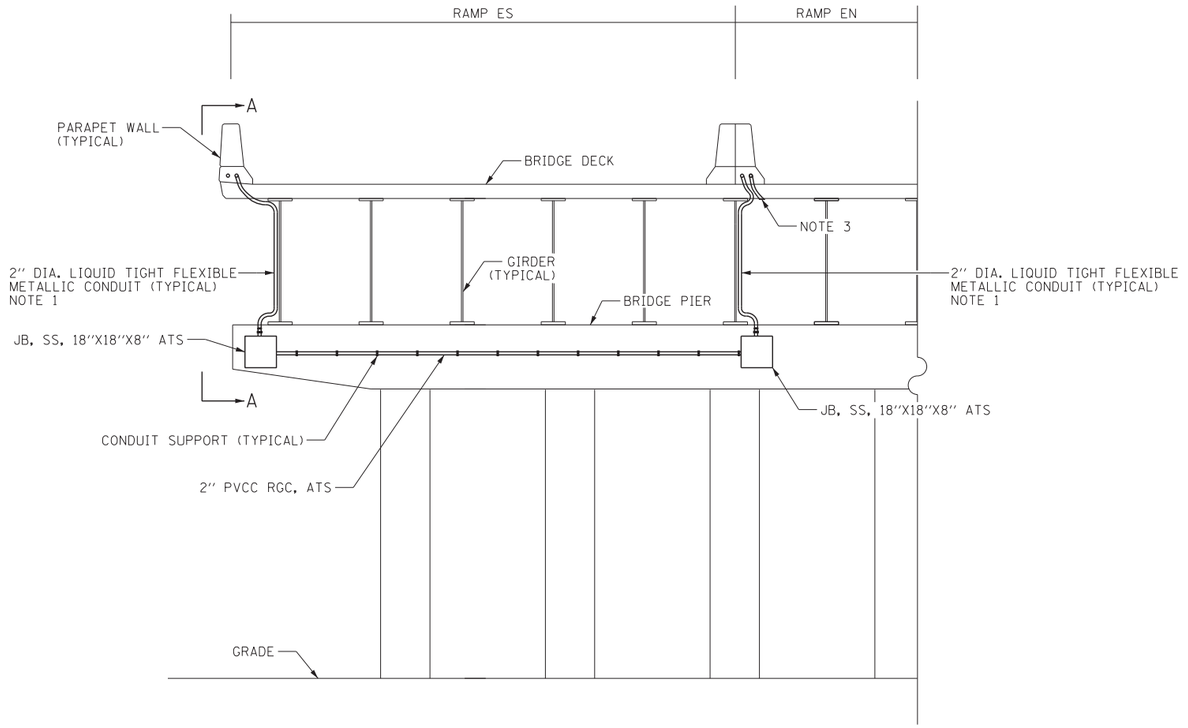
IDOT CONDUIT INSTALLATION DETAIL

SCALE: N.T.S. | SHEET NO. 18 OF 38 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	301
		CONTRACT NO. 60X07		
		ILLINOIS	FED. AID PROJECT	



SECTION A-A



CONDUIT ATTACHED TO PIER 8E INSTALLATION DETAIL - LOOKING WEST

(NOT TO SCALE)

NOTES:

1. THE FLEXIBLE CONDUIT WILL BE MEASURED AND PAID FOR UNDER THE "CONDUIT ATTACHED TO STRUCTURE, PVC COATED GALVANIZED STEEL" PAY ITEMS.
2. COORDINATE THE INSTALLATION OF THE ELECTRICAL CONDUIT WITH THE PROPOSED LOCATION OF THE DRAINAGE PIPES TO AVOID CONFLICTS.
3. STUB OUT EMBEDDED SPARE CONDUIT 6 INCHES FROM FACE OF STRUCTURE AND CAP FOR FUTURE USE. SEE CONDUIT DROP-OUT DETAIL ON DRAWING RL-18 FOR ADDITIONAL DETAILS.

FILE NAME = D160X07-sht-RL19_MiscDetails.dgn

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

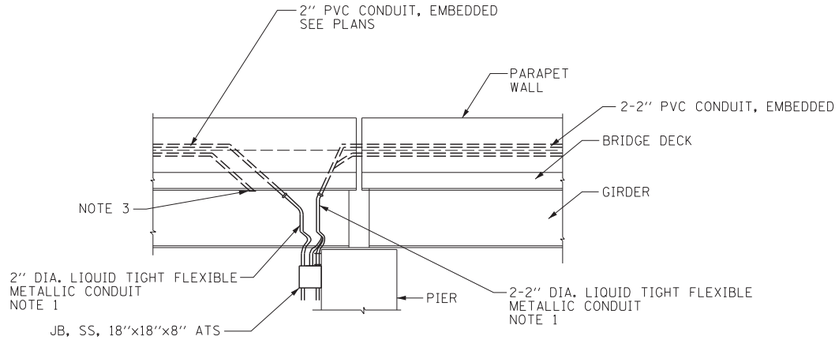
USER NAME = auyeungh	DESIGNED - PFD	REVISED -
	DRAWN - CAM	REVISED -
PLOT SCALE = 1.0000 ' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

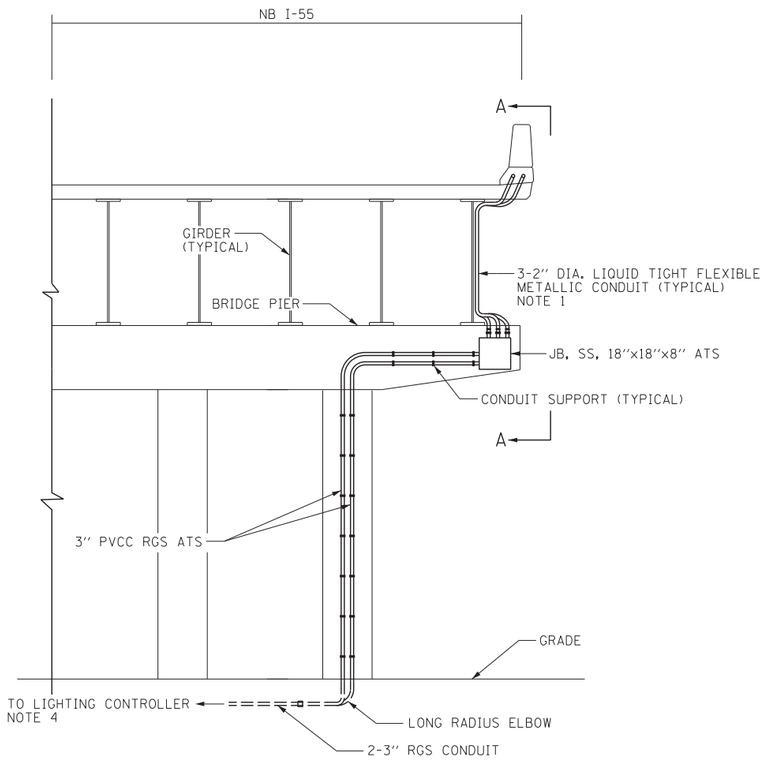
IDOT MISCELLANEOUS ELECTRICAL DETAILS

SCALE: N.T.S. | SHEET NO. 19 OF 38 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	302
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		



SECTION A-A



CONDUIT ATTACHED TO PIER 3E INSTALLATION DETAIL - LOOKING EAST

(NOT TO SCALE)

NOTES:

1. THE FLEXIBLE CONDUIT WILL BE MEASURED AND PAID FOR UNDER THE "CONDUIT ATTACHED TO STRUCTURE, PVC COATED GALVANIZED STEEL" PAY ITEMS.
2. CONDUIT ATTACHED TO THE STRUCTURE SHALL BE PLACED SUCH THAT IT DOES NOT CONFLICT WITH DRAINAGE AND ITS INFRASTRUCTURE.
3. STUB OUT EMBEDDED SPARE CONDUIT 6 INCHES FROM FACE OF STRUCTURE AND CAP FOR FUTURE USE. SEE CONDUIT DROP-OUT DETAIL ON DRAWING RL-18 FOR ADDITIONAL DETAILS.
4. SEE DRAWING RL-11 FOR CONTINUATION OF LIGHTING CIRCUITS.

FILE NAME = D160X07-sht-RL20_MiscDetails.dgn

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CHICAGO, IL 60601-5276
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PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT MISCELLANEOUS ELECTRICAL DETAILS

SCALE: N.T.S. | SHEET NO. 20 OF 38 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	303
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES FOR McCORMICK PLACE LIGHTING		
PAY ITEM	*UNIT*	*QTY.*
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	180
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	302
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	906
REMOVAL OF POLE FOUNDATION	EACH	1
RELOCATE EXISTING LIGHTING UNIT	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 16 2C	FOOT	360
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	280
UNDERGROUND CONDUIT, PVC, 2" DIA., SCHEDULE 80 (CDOT)	FOOT	310
RACKING CABLES IN MANHOLE OR HANDHOLE (CDOT)	EACH	1
DRILL MANHOLE OR HANDHOLE (CDOT)	EACH	5
CLEAN MANHOLE OR HANDHOLE (CDOT)	EACH	1
INTERCEPT EXISTING CONDUIT	EACH	4
HEAVY-DUTY HANDHOLE (SPECIAL)	EACH	1
REMOVE AND RE-ERECT EXISTING LIGHTING UNIT	EACH	5
CONCRETE FOUNDATION (SPECIAL)	EACH	1
UNDERGROUND CONDUIT, PVC, 1" DIA., SCHEDULE 80 (CDOT)	FOOT	290

NOTES

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

RL-21

FILE NAME = D:\60X07-Sht-RL21_McCORMICKSOQ.dgn

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CHICAGO, IL 60601-5276
PHONE: (312) 373-7700 FAX: (312) 373-6800

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

McCORMICK PLACE LIGHTING
SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET NO. 21 OF 38 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	304
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		

LEGEND

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



NOTES

1. EXISTING LIGHTING UNIT TO BE RELOCATED ALONG MOE DRIVE DUE TO PROPOSED PIER CONSTRUCTION.
2. THE EXISTING McCORMICK PLACE PARKING LOT LIGHTING UNIT SHALL BE REMOVED AND STORED DURING CONSTRUCTION UNTIL SUCH A TIME THAT IT IS TO BE REINSTALLED ON THE EXISTING FOUNDATION. THE EXISTING FOUNDATION SHALL BE PROTECTED DURING CONSTRUCTION.

N

0 50' 100'

RL-22

FILE NAME = D:\68X07-Sht-RL22_McCormickParkLot_Ex.dgn

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CHICAGO, IL 60601-5276
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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

EXISTING/DEMOLITION/TEMPORARY LIGHTING PLANS
McCORMICK PARKING

SCALE: 1" = 50' | SHEET NO. 22 OF 38 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	305
		CONTRACT NO. 60X07		
		ILLINOIS FED. AID PROJECT		

LEGEND

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



NOTES

1. RELOCATE EXISTING LIGHTING UNIT ON A NEW FOUNDATION APPROXIMATELY 45' NORTH OF EXISTING LOCATION ALONG MOE DRIVE. FINAL LOCATION TO BE STAKED IN FIELD AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO BEGINNING ANY WORK.
2. SPLICE NEW CABLES TO THE EXISTING ELECTRICAL FEED IN THE BASE OF THE EXISTING LIGHT POLE. NO UNDERGROUND SPLICES ARE ALLOWED.
3. SEE DRAWING RL-24 FOR ALL McCORMICK PLACE LIGHTING DETAILS.
4. INTERCEPT THE EXISTING ELECTRICAL FEED WITH A HEAVY DUTY HAND-HOLE. ROUTE PROPOSED 4-3" RGS CONDUIT DIRECTLY TO THE EXISTING MANHOLE, AVOIDING THE PROPOSED PIER. DISCONNECT THE EXISTING CABLES AT THE TRANSCLOSURE, PULL THEM BACK THROUGH THE EXISTING AND PROPOSED CONDUIT TO THE PROPOSED HANDHOLE, THEN INSTALL THE CABLES THROUGH THE NEW CONDUIT TO THE TRANSCLOSURE. MAKE THE NECESSARY CONNECTIONS IN THE TRANSCLOSURE. THE EXISTING TRANSCLOSURE SHALL REMAIN ACTIVE DURING ALL NIGHT TIME HOURS. IF REQUIRED THE CONTRACTOR SHALL PROVIDE ALL THE NECESSARY MATERIALS AND LABOR TO TEMPORARILY FEED THE TRANSCLOSURE UNTIL THE PERMANENT FEED IS INSTALLED AT NO COST TO THE CONTRACT.

RL-23

FILE NAME = D168087-Sht-RL23_McCormickParkLot_Pr.dgn

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

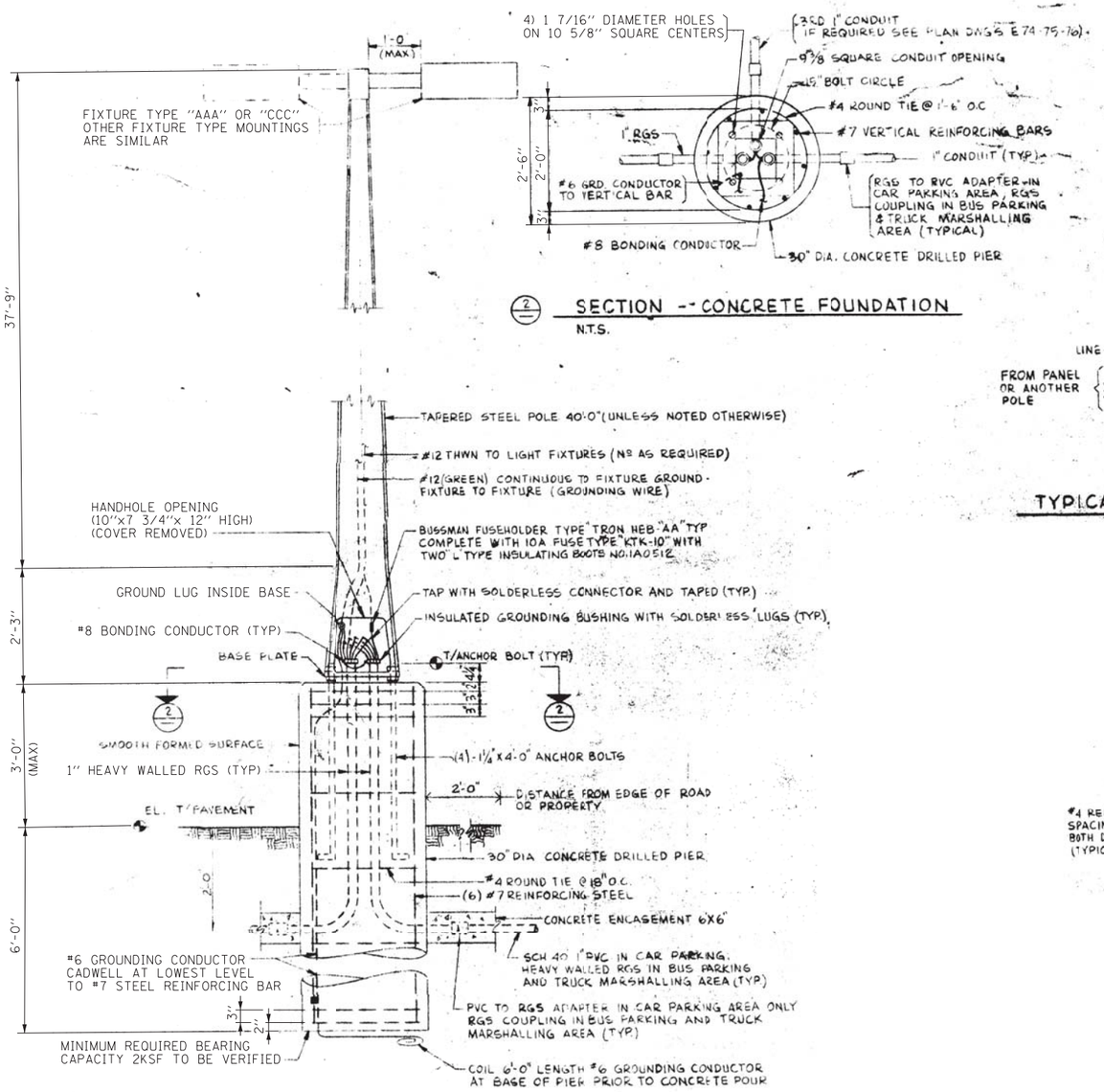
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PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

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DEPARTMENT OF TRANSPORTATION

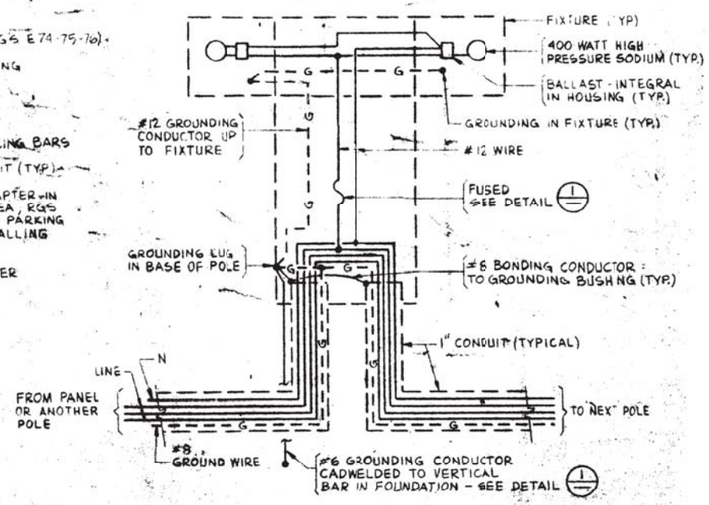
PROPOSED LIGHTING PLANS
McCORMICK PARKING

SCALE: 1" = 50' | SHEET NO. 23 OF 38 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

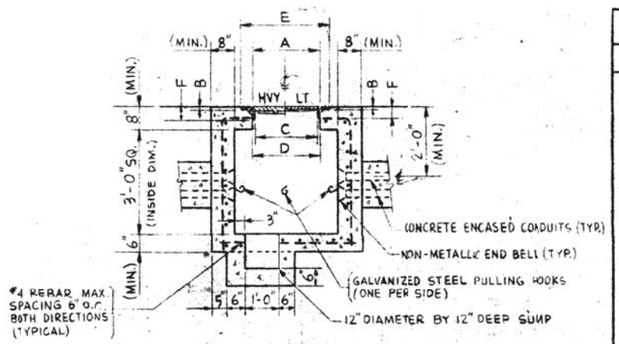


2 SECTION -- CONCRETE FOUNDATION
N.T.S.



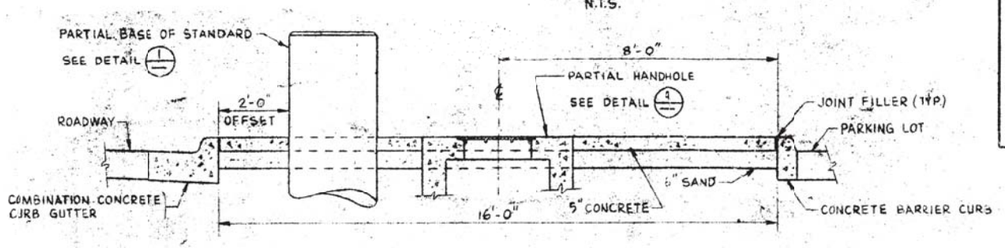
TYPICAL WIRING DIAGRAM - LIGHTING STANDARD

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



HANDHOLE SCHEDULE						
DUTY	A	B	C	D	E	F
LIGHT (150 LBS)	23"	5/8"	22"	23"	29"	3 1/2"
HEAVY (920 LBS)	23 1/2"	1 1/4"	22"	23 1/2"	31 1/2"	4
FRAME AND LID NEENAH SERES R-6679						

4 DETAIL - TYP. HANDHOLE
N.T.S.



5 SECTION - CONCRETE SIDEWALK
N.T.S.

SYMBOL LIST

SYMBOL	DEFINITION
	SINGLE ARM FIXTURE POLE MOUNTED
	TWO ARM FIXTURE POLE MOUNTED
	FOUR ARM FIXTURE POLE MOUNTED
***	EXAMPLE : "CCC" DENOTES FIXTURE TYPE
GROUND WIRE / NEUTRAL WIRE / HOT WIRES	UNDERGROUND DUCT OR CONDUIT Nº OF CROSS LINES REPRESENT Nº OF WIRES
--PRI--	UNDERGROUND DUCT OR CONDUIT FOR 12 kV CABLES
--G--	GROUND CABLE SIZE AS INDICATED
	3/4"X10'-0" COPPER CLAD GROUND ROD
	CADWELD EXOTHERMIC WELDING PROCESS CONNECTION
	MANHOLE OR HANDHOLE OR HANDHOLE AS INDICATED
	WALL MOUNTED PARACYL FIXTURE
	POLE MOUNTED PARACYL FIXTURE
L	UNDERGROUND DUCT LINE (INDICATE TYPE SIZE, AND NUMBER OF DUCTS BY CROSS-SECTION IDENTIFICATION OF EACH RUN BY NOTATION OR SCHEDULE. INDICATE TYPE, SIZE AND NUMBER OF CONDUCTORS BY NOTATION OR SCHEDULE.
PE	PHOTOCONTROL

FILE NAME = D1608A07-sht-RL24_McCormickDetails.dgn

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

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McCORMICK PLACE LIGHTING DETAILS

SCALE: N.T.S. | SHEET NO. 24 OF 38 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	307
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

TOTAL SHEETS	SHEET NO.
888	308

SUMMARY OF QUANTITIES FOR CDOT LIGHTING		
PAY ITEM	*UNIT*	*QTY.*
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	EACH	1
CONDUIT ENCASED, CONCRETE, 4" DIA., PVC 2 WIDE X 2 HIGH	FOOT	395
UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.	FOOT	45
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	60
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	90
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	340
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	655
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	3
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	18
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	460
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2790
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	3290
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	6580
AERIAL CABLE, 2-1/C NO. 4 WITH MESSENGER WIRE	FOOT	785
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	11
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	22
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	35
REMOVAL OF POLE FOUNDATION	EACH	20
RELOCATE EXISTING LIGHTING UNIT	EACH	14
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2675
ROD AND CLEAN EXISTING CONDUIT	FOOT	1691
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	3
REMOVE EXISTING CABLE	FOOT	2336
TEMPORARY WOOD POLE, 50 FT., CLASS 4, 15 FT. MAST ARM	FOOT	11
ELECTRIC CABLE IN CONDUIT, TRIPLEX,2-1/C NO. 6, 1-1/C NO. 8 (CDOT)	FOOT	825
INSTALL LIGHT POLE, MAST ARM, AND LUMINAIRE, CHICAGO	EACH	19
UNDERGROUND CONDUIT, PVC, 2" DIA., SCHEDULE 80 (CDOT)	FOOT	830
UNDERGROUND CONDUIT, PVC, 3" DIA., SCHEDULE 80 (CDOT)	FOOT	210
CONCRETE FOUNDATION, 24" DIAMETER, 1 1/4" ANCHOR RODS, 15" BOLT CIRCLE (CDOT)	EACH	34
RACKING CABLES IN MANHOLE OR HANDHOLE (CDOT)	EACH	19
DRILL MANHOLE OR HANDHOLE (CDOT)	EACH	23
CLEAN MANHOLE OR HANDHOLE (CDOT)	EACH	15
MAINTENANCE OF STREET LIGHTING SYSTEM (CDOT)	CAL MO	22
ELECTRICAL MANHOLE, 3' X 4' X 4', 30" FRAME AND LID (CDOT)	EACH	4
INTERCEPT EXISTING CONDUIT	EACH	1
DRILL EXISTING JUNCTION BOX	EACH	2
HANDHOLE (SPECIAL)	EACH	3
UNDERPASS LUMINAIRE (SPECIAL)	EACH	18
FIBER OPTIC CABLE 6 FIBERS, SINGLE MODE	EACH	785
FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	EACH	520
CONDUIT ENCASED, REINFORCED CONCRETE, 4" DIA., PVC 2 WIDE X 2 HIGH	FOOT	155
UNDERGROUND CONDUIT, PVC, 1" DIA., SCHEDULE 80 (CDOT)	FOOT	30
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA., SCHEDULE 80 (CDOT)	FOOT	2520
ELECTRIC CABLE IN CONDUIT, 15KV (EPR TYPE MV-90), 1/C NO. 2 AWG	FOOT	1400
BREAKDOWN EXISTING ELECTRICAL MANHOLE (CDOT)	EACH	4

NOTES

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

DATE	REVISION

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING

CONSULTANT:

AECOM

WORK ORDER NO. _____ DATE _____

COST ALLOCATION ACCOUNT _____

APPROPRIATION ACCOUNT { MATERIAL _____ / LABOR _____

CDOT LIGHTING
SUMMARY OF QUANTITIES

CITY OF CHICAGO
DEPT. OF TRANSPORTATION
DIVISION OF ELECTRICAL OPERATIONS

DRAFTSMAN: CAM	CHIEF DRAFTSMAN:	ENGINEER: PFD	
SUPERVISING ENGINEER: WDS	ELEC. DESIGN ENGR.		RL-25
ENGINEER OF ELECTRICITY:			
GEN'L SUPT. OF ELECTRICITY:			
DEPUTY COMMISSIONER:			
SIZE: 22" | 34"	SCALE: N.T.S.	DATE: 5/26/2015	
DATE: 5/26/2015		DWG. NO.: 25 OF 38	
C.D.O.T. PROJECT NO.:			

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TOTAL SHEETS	SHEET NO.
888	309

''A'' PROVIDE 24''x7', 1-1/4'' A.R., 15'' B.C. FOUNDATION FOR LIGHT POLE, PER DWG. 818 AND 837.

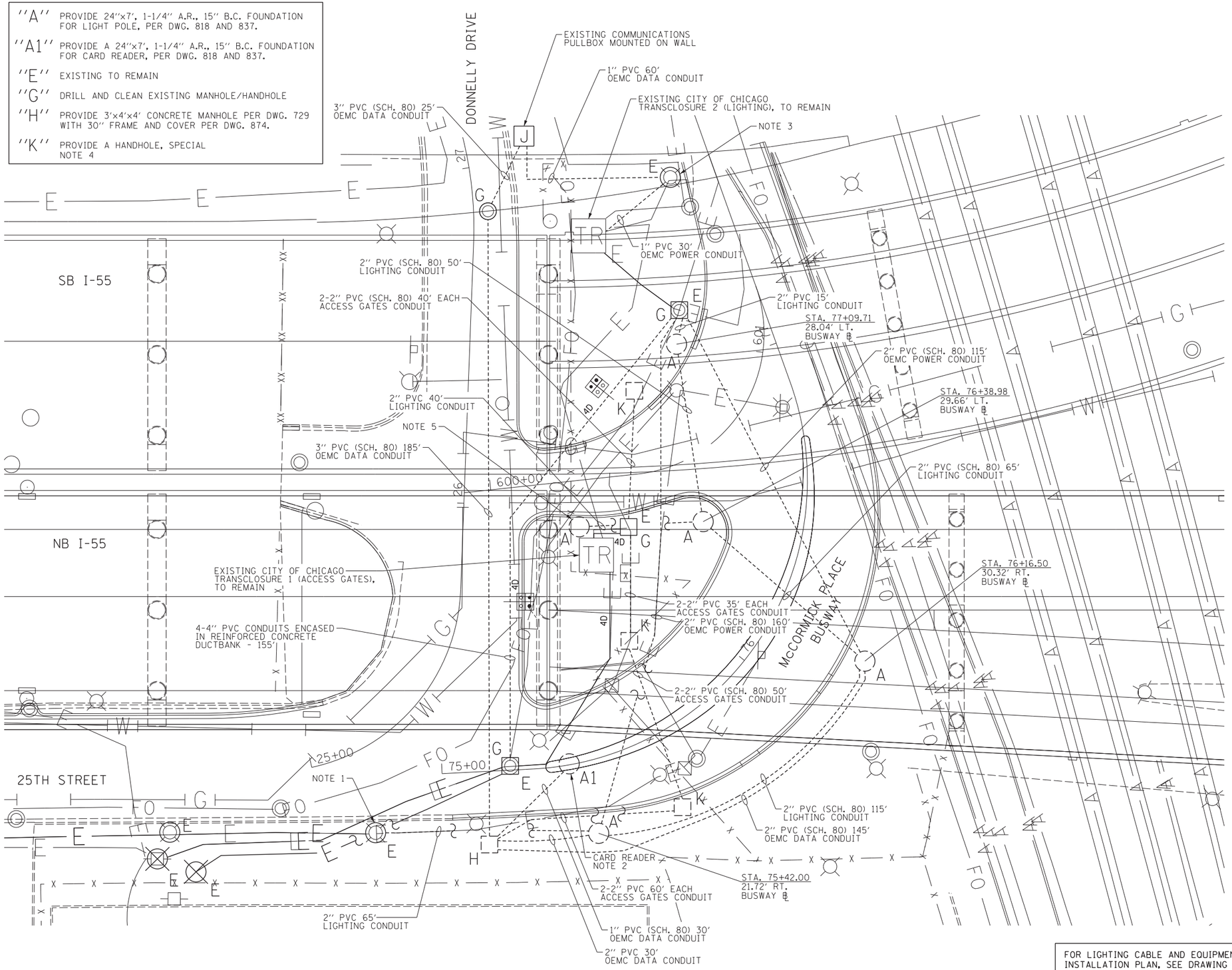
''A1'' PROVIDE A 24''x7', 1-1/4'' A.R., 15'' B.C. FOUNDATION FOR CARD READER, PER DWG. 818 AND 837.

''E'' EXISTING TO REMAIN

''G'' DRILL AND CLEAN EXISTING MANHOLE/HANDHOLE

''H'' PROVIDE 3'x4'x4' CONCRETE MANHOLE PER DWG. 729 WITH 30'' FRAME AND COVER PER DWG. 874.

''K'' PROVIDE A HANDHOLE, SPECIAL NOTE 4



NOTES

1. ROUTE PROPOSED CONDUIT FROM THE EXISTING LIGHT POLE FOUNDATION TO THE PROPOSED LIGHT POLE FOUNDATION.
2. ROUTE CONDUITS TO PROPOSED CARD READER FOUNDATION. COORDINATE THE FINAL LOCATION OF THE CARD READER WITH McCORMICK PLACE.
3. DRILL THE EXISTING LIGHT POLE AND ROUTE THE NEW CONDUIT ON THE OUTSIDE OF THE CONCRETE FOUNDATION INTO THE LIGHT POLE. PROVIDE AN LB FITTING AND CONDUIT NIPPLE FOR THIS WORK. ALL EXPOSED CONDUIT AND FITTINGS SHALL BE PVC COATED RIGID STEEL. ALL POLE PENETRATIONS SHALL BE WATERTIGHT. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE CONDUIT PAY ITEM.
4. THE FINAL LOCATION OF THE McCORMICK PLACE HANDHOLES FOR THE ACCESS GATE FEEDS SHALL BE COORDINATED WITH McCORMICK PLACE PRIOR TO INSTALLATION. SEE DRAWING RL-24 FOR McCORMICK PLACE TYPICAL HANDHOLE DETAIL.
5. LOCATE PROPOSED LIGHT POLE FOUNDATION AT APPROXIMATELY STATION 76+01.76, 63.25 LT., BUSWAY ℄. THE CONTRACTOR MUST AVOID EXISTING PIER 12E FOOTING AND EXISTING INFRASTRUCTURE.

N

0 15' 30'

FOR LIGHTING CABLE AND EQUIPMENT INSTALLATION PLAN, SEE DRAWING NO. RL-27

FOR LIGHTING REMOVAL PLAN, SEE DRAWING NO. RL-28

DATE	REVISION

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING

CONSULTANT: AECOM

WORK ORDER NO. _____ DATE _____
COST ALLOCATION ACCOUNT _____
APPROPRIATION ACCOUNT { MATERIAL _____ LABOR _____

25TH STREET LIGHTING CONDUIT AND FOUNDATION PLAN

CITY OF CHICAGO
DEPT. OF TRANSPORTATION
DIVISION OF ELECTRICAL OPERATIONS

DRAFTSMAN: CAM	CHIEF DRAFTSMAN:	ENGINEER: PFD
SUPERVISING ENGINEER: WDS	ELEC. DESIGN ENGR.	RL-26
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 22'' | 34''	SCALE: 1'' = 15'	DATE: 5/26/2015
DATE: 5/26/2015	DWG. NO.: 26 OF 38	
C.D.O.T. PROJECT NO.:		

DI60X07-Sht-RL26_ConduitFoundationPlan.dgn
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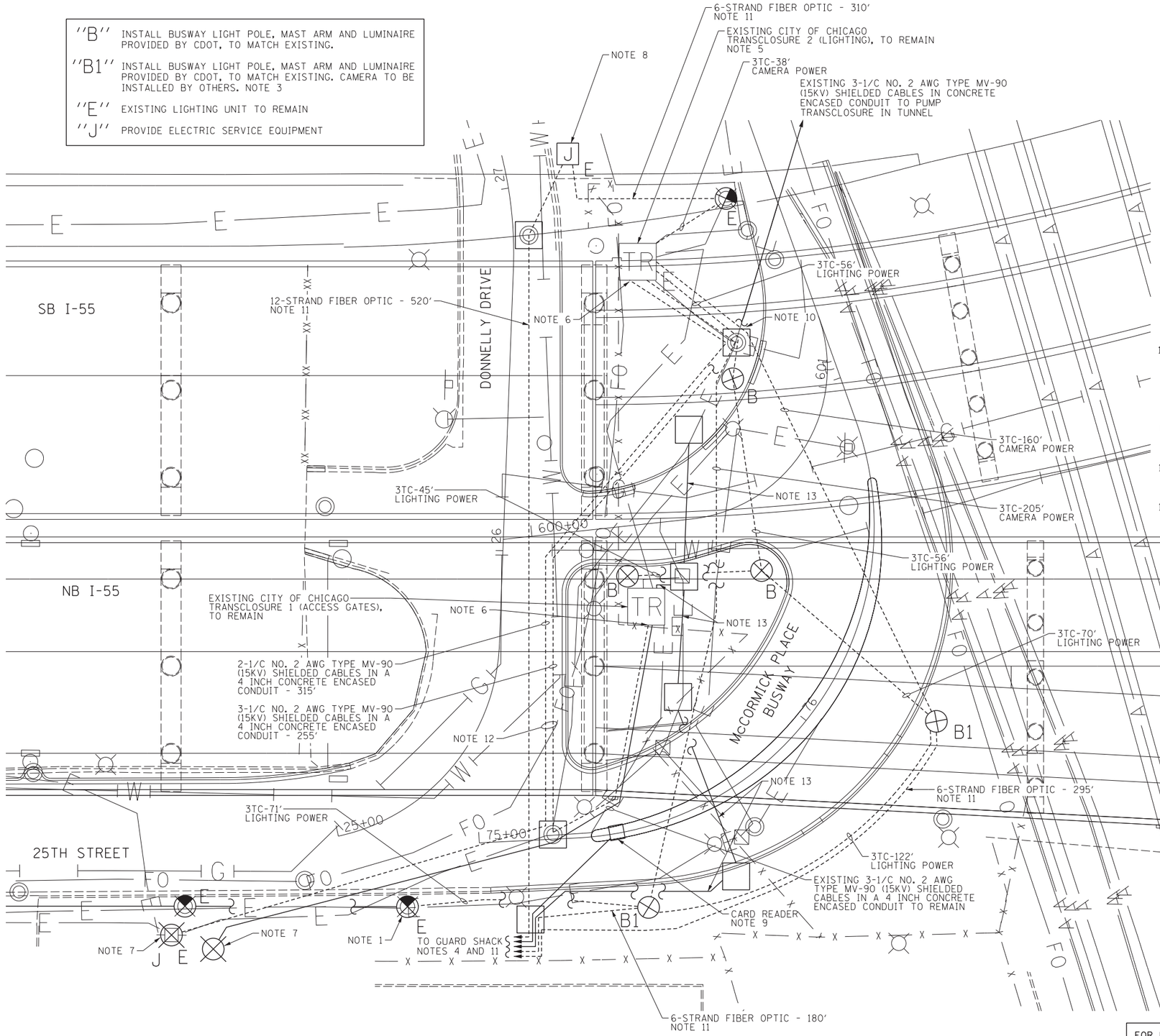
TOTAL SHEETS	SHEET NO.
888	310

''B'' INSTALL BUSWAY LIGHT POLE, MAST ARM AND LUMINAIRE PROVIDED BY CDOT, TO MATCH EXISTING.

''B1'' INSTALL BUSWAY LIGHT POLE, MAST ARM AND LUMINAIRE PROVIDED BY CDOT, TO MATCH EXISTING. CAMERA TO BE INSTALLED BY OTHERS. NOTE 3

''E'' EXISTING LIGHTING UNIT TO REMAIN

''J'' PROVIDE ELECTRIC SERVICE EQUIPMENT



NOTES

1. SPLICE NEW CABLES TO EXISTING LIGHTING CIRCUITS LOCATED IN EXISTING POLE. NO UNDERGROUND SPLICES ARE ALLOWED.
2. THE PROPOSED LIGHTING SYSTEM SHOWN ON THIS SHEET SHALL BE INSTALLED, ENERGIZED, TESTED AND APPROVED BY THE RESIDENT ENGINEER BEFORE ANY REMOVAL WORK CAN BE PERFORMED.
3. CONTACT FRANK KELLY, OEMC, AT (312) 746-9238 TO COORDINATE THE INSTALLATION OF THE CAMERAS ON THE LIGHT POLES.
4. OEMC CAMERA DATA CABLES TO BE ROUTED TO THE ETHERNET SWITCH (INSTALLED BY OTHERS) LOCATED IN THE PROPOSED GUARD SHELTER.
5. PROVIDE THREE 20 AMP, 1-POLE CIRCUIT BREAKERS IN THE EXISTING CITY TRANSCLOSURE NO. 2 FOR THE OEMC CAMERA POWER. CONNECT THE CAMERA POWER CABLES TO THE NEW BREAKERS. COORDINATE ALL WORK WITH OEMC.
6. ROUTE 15KV CABLES INTO PRIMARY SIDE OF EXISTING CITY TRANSCLOSURE AND MAKE ALL NECESSARY CONNECTIONS TO THE PRIMARY SIDE OF THE TRANSFORMER. PROVIDE ALL THE NECESSARY LABOR AND MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
7. ROUTE 15KV CABLES UP THE EXISTING UTILITY POLE AND LEAVE SUFFICIENT SLACK TO CONNECT THE CABLES TO THE UTILITY TRANSFORMER. COORDINATE ALL UTILITY SERVICE WORK WITH COMED.
8. ALL DATA CABLES SHALL BE TERMINATED BY OEMC. PROVIDE 200' OF SLACK CABLE FOR EACH RUN FOR FUTURE CONNECTIONS IN THE EXISTING JUNCTION BOX.
9. COORDINATE THE FINAL LOCATION OF THE CARD READER WITH McCORMICK PLACE.
10. SPLICE THE NEW 15KV RATED POWER CABLES TO EXISTING 15KV RATED CABLES FOR THE PUMPS LOCATED IN THE EXISTING MANHOLE AS DIRECTED BY CDOT. CONTACT BRENDAN RUSSELL, CDOT DIVISION OF ENGINEERING AT 312-744-8819 PRIOR TO BEGINNING ANY 15KV CABLE WORK. PROVIDE A COLD SHRINK INTEGRATED SPLICE KIT AS MANUFACTURED BY 3M OS4 SERIES, KIT NUMBER OS4-15SP-2-4/0 OR APPROVED EQUAL. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE 15KV MV-90 CABLE PAY ITEM.
11. ALL DATA CABLES SHALL BE TERMINATED BY OEMC. PROVIDE 100' OF SLACK CABLE FOR EACH RUN FOR FUTURE CONNECTIONS WHEN COILING IN A MANHOLE, AND 50' WHEN COILING IN A LIGHT POLE.
12. THE PROPOSED 15KV FEEDERS SHALL BE INSTALLED AND READY FOR CONNECTION PRIOR TO DE-ENERGIZING THE EXISTING FEEDERS. THE LIGHTING AND PUMP FEEDERS SHALL ONLY BE DE-ENERGIZED FOR A MAXIMUM OF 12 HOURS TO PERFORM THE REQUIRED SWITCHOVER WORK.
13. ACCESS GATES CABLES TO BE PROVIDED BY OTHERS (MPEA).

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

FOR LIGHTING REMOVAL PLAN, SEE DRAWING NO. RL-28

DATE	REVISION

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING

CONSULTANT: AECOM

WORK ORDER NO. _____ DATE _____
COST ALLOCATION ACCOUNT _____
APPROPRIATION ACCOUNT { MATERIAL _____ LABOR _____

25TH STREET LIGHTING CABLE AND EQUIPMENT INSTALLATION PLAN

CITY OF CHICAGO
DEPT. OF TRANSPORTATION
DIVISION OF ELECTRICAL OPERATIONS

DRAFTSMAN: CAM	CHIEF DRAFTSMAN:	ENGINEER: PFD
SUPERVISING ENGINEER: WDS	ELEC. DESIGN ENGR.	
ENGINEER OF ELECTRICITY:		RL-27
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 22'' | 34''	SCALE: 1'' = 15'	DATE: 5/26/2015
DATE: 5/26/2015	DWG. NO.:	27 OF 38
C.D.O.T. PROJECT NO.:		

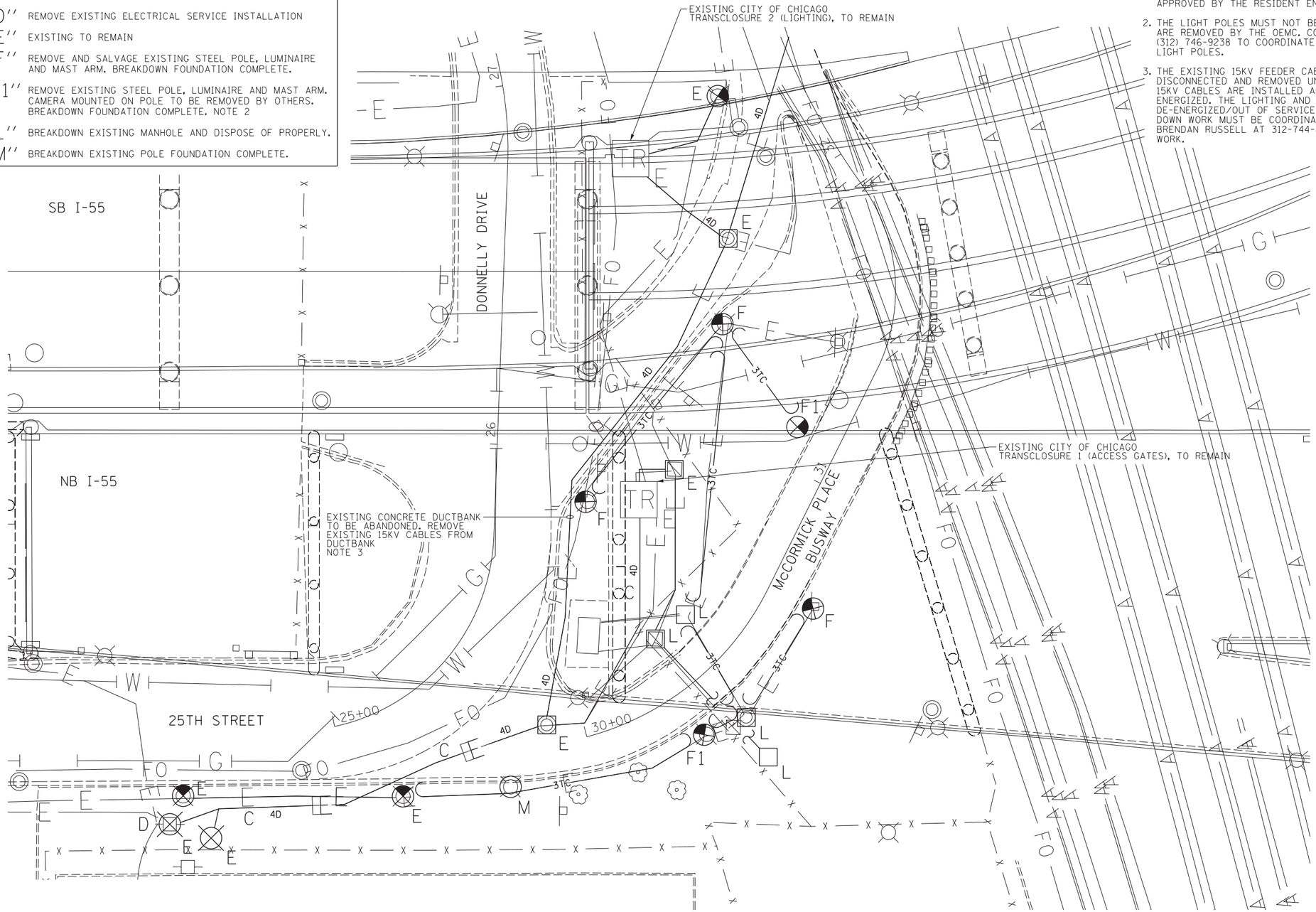
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TOTAL SHEETS	SHEET NO.
888	311

"C"	REMOVE EXISTING 5KV POWER CABLES IN CONDUIT & ROD AND CLEAN CONDUIT
"D"	REMOVE EXISTING ELECTRICAL SERVICE INSTALLATION
"E"	EXISTING TO REMAIN
"F"	REMOVE AND SALVAGE EXISTING STEEL POLE, LUMINAIRE AND MAST ARM. BREAKDOWN FOUNDATION COMPLETE.
"F1"	REMOVE EXISTING STEEL POLE, LUMINAIRE AND MAST ARM. CAMERA MOUNTED ON POLE TO BE REMOVED BY OTHERS. BREAKDOWN FOUNDATION COMPLETE. NOTE 2
"L"	BREAKDOWN EXISTING MANHOLE AND DISPOSE OF PROPERLY.
"M"	BREAKDOWN EXISTING POLE FOUNDATION COMPLETE.

NOTES

1. NO REMOVAL WORK SHALL BE PERFORMED UNTIL THE PROPOSED LIGHTING SYSTEM SHOWN ON RL-24 HAS BEEN INSTALLED, ENERGIZED, TESTED AND APPROVED BY THE RESIDENT ENGINEER.
2. THE LIGHT POLES MUST NOT BE REMOVED UNTIL THE EXISTING CAMERAS ARE REMOVED BY THE OEMC. CONTACT FRANK KELLY, OEMC, AT (312) 746-9238 TO COORDINATE THE REMOVAL OF THE CAMERAS ON THE LIGHT POLES.
3. THE EXISTING 15KV FEEDER CABLES SHALL NOT BE DE-ENERGIZED, DISCONNECTED AND REMOVED UNTIL THE PROPOSED DUCTBANK AND NEW 15KV CABLES ARE INSTALLED AND READY TO BE CONNECTED AND ENERGIZED. THE LIGHTING AND PUMP FEEDERS SHALL NOT BE DE-ENERGIZED/OUT OF SERVICE FOR LONGER THAN 12 HOURS. ALL SHUT DOWN WORK MUST BE COORDINATED AND APPROVED BY CDOT, CONTACT BRENDAN RUSSELL AT 312-744-8819 PRIOR TO BEGINNING ANY REMOVAL WORK.



N

0 15' 30'

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

FOR LIGHTING CABLE AND EQUIPMENT INSTALLATION PLAN, SEE DRAWING NO. RL-27

DATE	REVISION

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING

CONSULTANT: AECOM

WORK ORDER NO. _____ DATE _____

COST ALLOCATION ACCOUNT _____

APPROPRIATION ACCOUNT { MATERIAL _____ LABOR _____

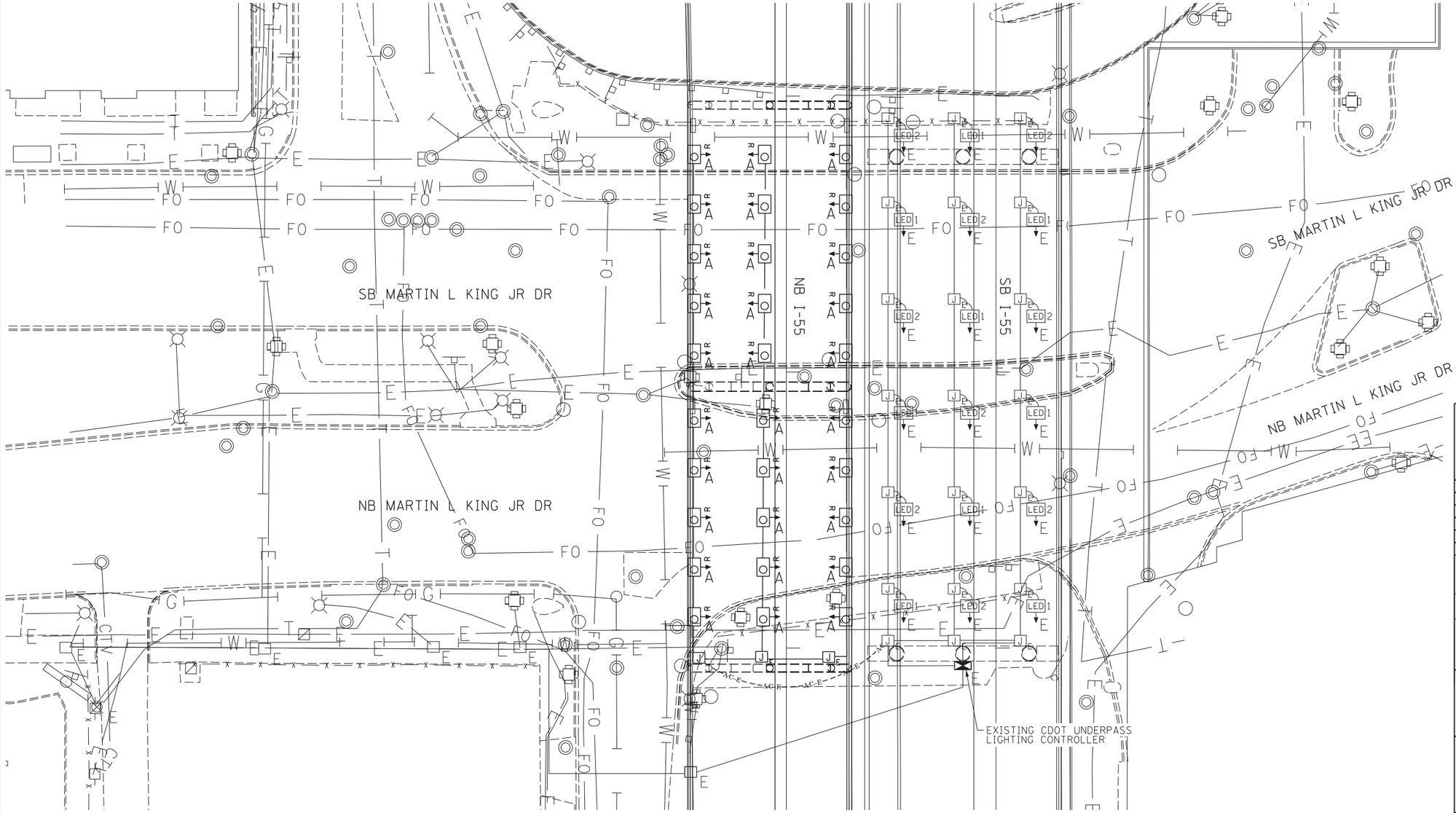
25TH STREET
LIGHTING REMOVAL PLAN

CITY OF CHICAGO
DEPT. OF TRANSPORTATION
DIVISION OF ELECTRICAL OPERATIONS

DRAFTSMAN: CAM	CHIEF DRAFTSMAN:	ENGINEER: PFD
SUPERVISING ENGINEER: WDS	ELEC. DESIGN ENGR.	RL-28
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 22" | 34"	SCALE: 1" = 15'	DATE: 5/26/2015
DATE: 5/26/2015	DWG. NO.:	28 OF 38
C.D.O.T. PROJECT NO.:		

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TOTAL SHEETS	SHEET NO.
888	312



"A" REMOVE AND SALVAGE EXISTING UNDERPASS LIGHTING UNIT

"E" EXISTING TO REMAIN

NOTES:

1. SEE DRAWINGS RL-01 AND CDOT STANDARD NO. 826 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, INCLUDING THE TEMPORARY AERIAL 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.

0 20' 40'

DATE	REVISION

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING

CONSULTANT:

AECOM

WORK ORDER NO. _____ DATE _____

COST ALLOCATION ACCOUNT _____

APPROPRIATION ACCOUNT { MATERIAL _____ LABOR _____

MARTIN L. KING JR. DRIVE
EXISTING UNDERPASS LIGHTING PLAN (CDOT)

CITY OF CHICAGO
DEPT. OF TRANSPORTATION
DIVISION OF ELECTRICAL OPERATIONS

DRAFTSMAN: CAM	CHIEF DRAFTSMAN:	ENGINEER: PFD
SUPERVISING ENGINEER: WDS	ELEC. DESIGN ENGR.	RL-29
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 22" | 34"	SCALE: 1" = 20'	DATE: 5/26/2015

DATE: 5/26/2015 DWG. NO.: 29 OF 38

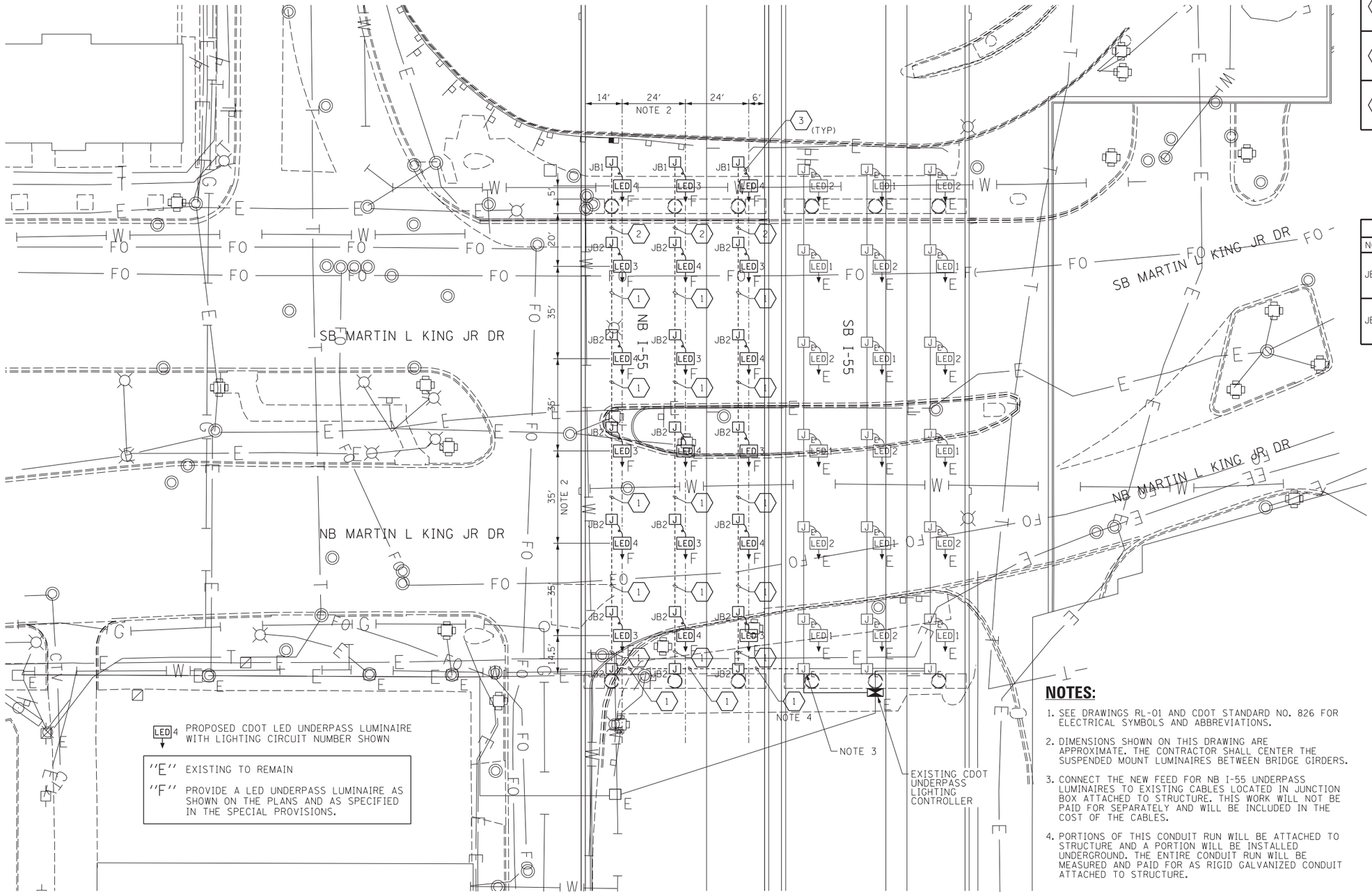
C.D.O.T. PROJECT NO.:

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TOTAL SHEETS	SHEET NO.
888	313

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:

1. SEE DRAWINGS RL-01 AND CDOT STANDARD NO. 826 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. DIMENSIONS SHOWN ON THIS DRAWING ARE APPROXIMATE. THE CONTRACTOR SHALL CENTER THE SUSPENDED MOUNT LUMINAIRES BETWEEN BRIDGE GIRDERS.
3. CONNECT THE NEW FEED FOR NB I-55 UNDERPASS LUMINAIRES TO EXISTING CABLES LOCATED IN JUNCTION BOX ATTACHED TO STRUCTURE. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE CABLES.
4. 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.

DATE	REVISION

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING

CONSULTANT:

AECOM

WORK ORDER NO. _____ DATE _____

COST ALLOCATION ACCOUNT _____

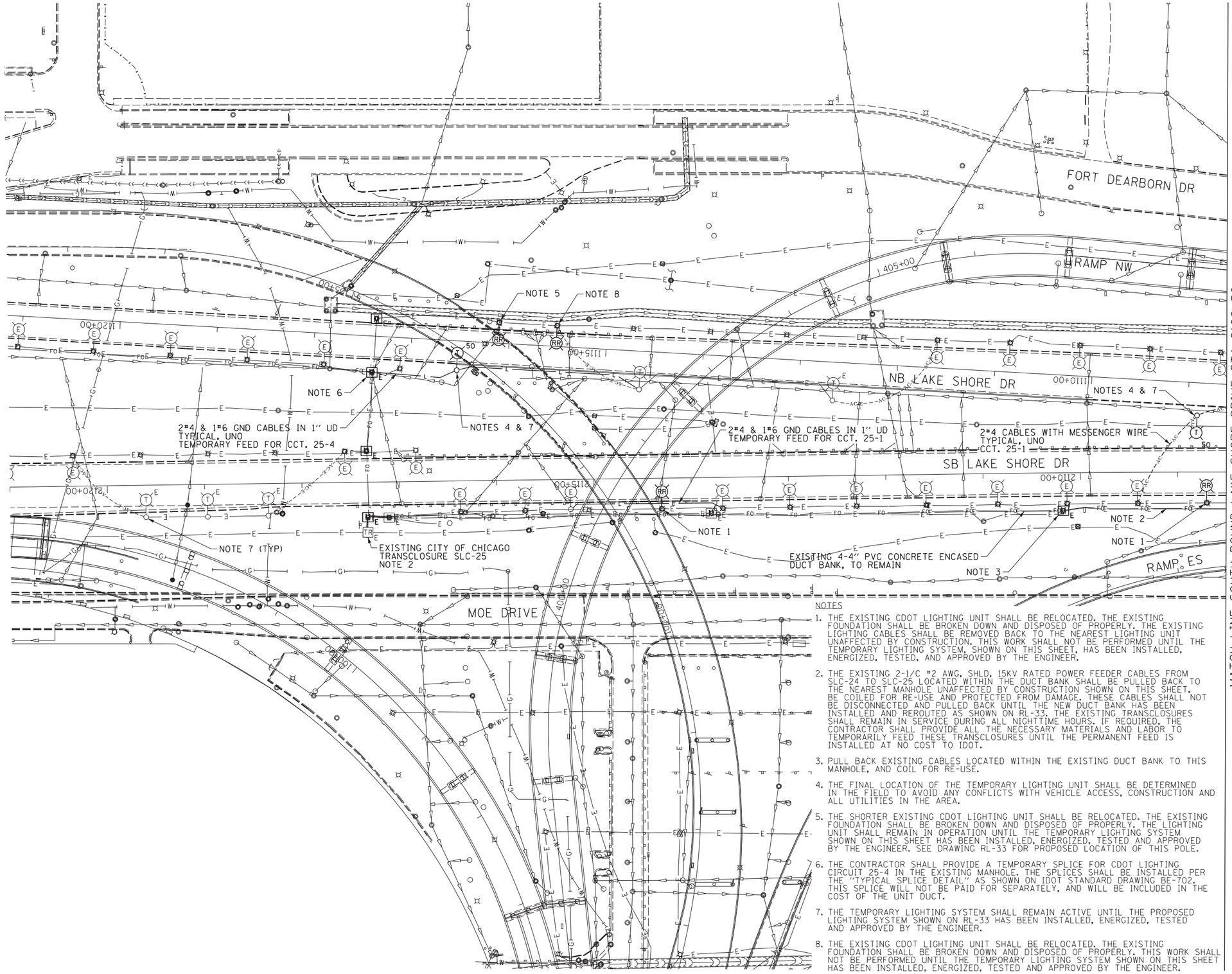
APPROPRIATION ACCOUNT { MATERIAL _____ LABOR _____

MARTIN L. KING JR. DRIVE
PROPOSED UNDERPASS LIGHTING PLAN (CDOT)

CITY OF CHICAGO
DEPT. OF TRANSPORTATION
DIVISION OF ELECTRICAL OPERATIONS

DRAFTSMAN: CAM	CHIEF DRAFTSMAN:	ENGINEER: PFD	
SUPERVISING ENGINEER: WDS	ELEC. DESIGN ENGR.		RL-30
ENGINEER OF ELECTRICITY:			
GEN'L SUPT. OF ELECTRICITY:			
DEPUTY COMMISSIONER:			
SIZE: 22" | 34"	SCALE: 1" = 20'	DATE: 5/26/2015	
DATE: 5/26/2015	DWG. NO.: 30 OF 38		
C.D.O.T. PROJECT NO.:			

DI60X07-Sht-RL30_PrUPL_MLK_CDOT.dgn
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LEGEND

- TEMPORARY LUMINAIRE AND 50' WOOD POLE, 43' M.H., 15' M.A., 400W HPS M-C-III LUMINAIRE, 240V (PHASE TO NEUTRAL), GROUND MOUNTED
- EXISTING TEMPORARY LIGHTING UNIT TO BE REMOVED AT THE CONCLUSION OF THE PROJECT
- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING LAKE SHORE DRIVE LIGHTING UNIT TO BE REMOVED AND RELOCATED ON A NEW FOUNDATION
- EXISTING MANHOLE TO REMAIN
- EXISTING CITY OF CHICAGO TRANSCLOSURE TO REMAIN
- EXISTING UNDERGROUND ELECTRIC LINE
- PROPOSED AERIAL CABLE

N

0 50' 100'

NOTES

1. THE EXISTING CDOT LIGHTING UNIT SHALL BE RELOCATED. THE EXISTING FOUNDATION SHALL BE BROKEN DOWN AND DISPOSED OF PROPERLY. THE EXISTING LIGHTING CABLES SHALL BE REMOVED BACK TO THE NEAREST LIGHTING UNIT UNAFFECTED BY CONSTRUCTION. THIS WORK SHALL NOT BE PERFORMED UNTIL THE TEMPORARY LIGHTING SYSTEM, SHOWN ON THIS SHEET, HAS BEEN INSTALLED, ENERGIZED, TESTED, AND APPROVED BY THE ENGINEER.
2. THE EXISTING 2-1/C #2 AWG, SHLD, 15KV RATED POWER FEEDER CABLES FROM SLC-24 TO SLC-25 LOCATED WITHIN THE DUCT BANK SHALL BE PULLED BACK TO THE NEAREST MANHOLE UNAFFECTED BY CONSTRUCTION SHOWN ON THIS SHEET. BE COILED FOR RE-USE AND PROTECTED FROM DAMAGE. THESE CABLES SHALL NOT BE DISCONNECTED AND PULLED BACK UNTIL THE NEW DUCT BANK HAS BEEN INSTALLED AND REROUTED AS SHOWN ON RL-33. THE EXISTING TRANSCLOSURES SHALL REMAIN IN SERVICE DURING ALL NIGHTTIME HOURS. IF REQUIRED, THE CONTRACTOR SHALL PROVIDE ALL THE NECESSARY MATERIALS AND LABOR TO TEMPORARILY FEED THESE TRANSCLOSURES UNTIL THE PERMANENT FEED IS INSTALLED AT NO COST TO IDOT.
3. PULL BACK EXISTING CABLES LOCATED WITHIN THE EXISTING DUCT BANK TO THIS MANHOLE, AND COIL FOR RE-USE.
4. THE FINAL LOCATION OF THE TEMPORARY LIGHTING UNIT SHALL BE DETERMINED IN THE FIELD TO AVOID ANY CONFLICTS WITH VEHICLE ACCESS, CONSTRUCTION AND ALL UTILITIES IN THE AREA.
5. THE SHORTER EXISTING CDOT LIGHTING UNIT SHALL BE RELOCATED. THE EXISTING FOUNDATION SHALL BE BROKEN DOWN AND DISPOSED OF PROPERLY. THE LIGHTING UNIT SHALL REMAIN IN OPERATION UNTIL THE TEMPORARY LIGHTING SYSTEM SHOWN ON THIS SHEET HAS BEEN INSTALLED, ENERGIZED, TESTED AND APPROVED BY THE ENGINEER. SEE DRAWING RL-33 FOR PROPOSED LOCATION OF THIS POLE.
6. THE CONTRACTOR SHALL PROVIDE A TEMPORARY SPLICE FOR CDOT LIGHTING CIRCUIT 25-4 IN THE EXISTING MANHOLE. THE SPLICES SHALL BE INSTALLED PER THE "TYPICAL SPLICE DETAIL" AS SHOWN ON IDOT STANDARD DRAWING BE-702. THIS SPLICE WILL NOT BE PAID FOR SEPARATELY, AND WILL BE INCLUDED IN THE COST OF THE UNIT DUCT.
7. THE TEMPORARY LIGHTING SYSTEM SHALL REMAIN ACTIVE UNTIL THE PROPOSED LIGHTING SYSTEM SHOWN ON RL-33 HAS BEEN INSTALLED, ENERGIZED, TESTED AND APPROVED BY THE ENGINEER.
8. THE EXISTING CDOT LIGHTING UNIT SHALL BE RELOCATED. THE EXISTING FOUNDATION SHALL BE BROKEN DOWN AND DISPOSED OF PROPERLY. THIS WORK SHALL NOT BE PERFORMED UNTIL THE TEMPORARY LIGHTING SYSTEM SHOWN ON THIS SHEET HAS BEEN INSTALLED, ENERGIZED, TESTED AND APPROVED BY THE ENGINEER.

DATE	REVISION

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING

CONSULTANT: AECOM

WORK ORDER NO. _____ DATE _____
COST ALLOCATION ACCOUNT _____
APPROPRIATION ACCOUNT { MATERIAL _____ LABOR _____

LAKE SHORE DRIVE
EXISTING/TEMPORARY LIGHTING PLANS

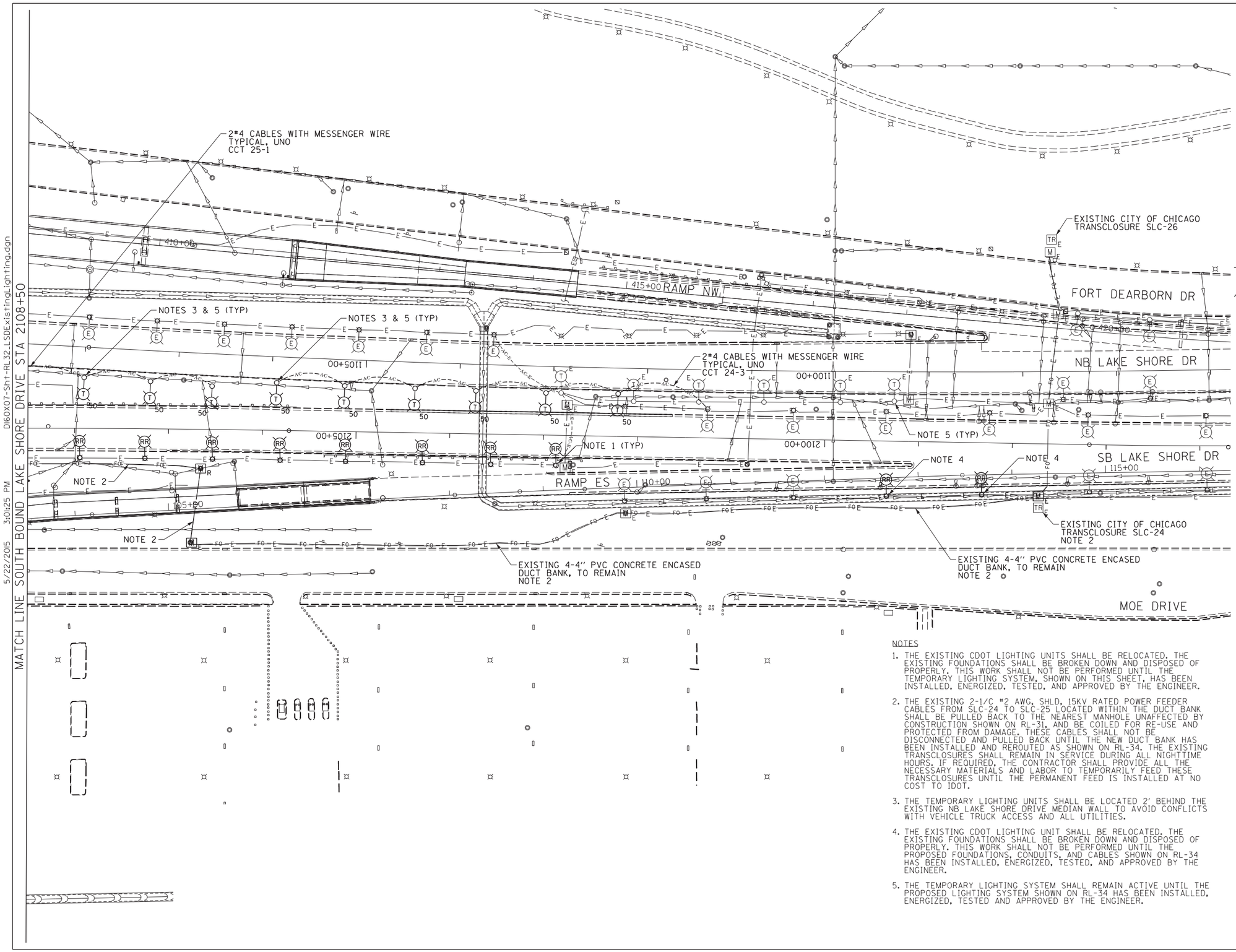
CITY OF CHICAGO
DEPT. OF TRANSPORTATION
DIVISION OF ELECTRICAL OPERATIONS

DRAFTSMAN: CAM	CHIEF DRAFTSMAN:	ENGINEER: PFD
SUPERVISING ENGINEER: WDS	ELEC. DESIGN ENGR.	RL-31
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 22" | 34"	SCALE: 1" = 50'	DATE: 5/26/2015

DATE: 5/26/2015 DWG. NO.: 31 OF 38
C.D.O.T. PROJECT NO.:

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5/22/2015 3:01:24 PM

TOTAL SHEETS	SHEET NO.
888	315



LEGEND

- TEMPORARY LUMINAIRE AND 50' WOOD POLE, 43' M.H., 15' M.A., 400W HPS M-C-III LUMINAIRE, 240V (PHASE TO NEUTRAL), GROUND MOUNTED
- EXISTING TEMPORARY LIGHTING UNIT TO BE REMOVED AT THE CONCLUSION OF THE PROJECT
- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING LAKE SHORE DRIVE LIGHTING UNIT TO BE REMOVED AND RELOCATED ON A NEW FOUNDATION
- EXISTING MANHOLE TO REMAIN
- EXISTING MANHOLE TO BE BROKEN DOWN AND DISPOSED OF PROPERLY
- EXISTING CITY OF CHICAGO TRANSCLOSURE TO REMAIN
- EXISTING UNDERGROUND ELECTRIC LINE
- PROPOSED AERIAL CABLE

0 50' 100'

NOTES

1. THE EXISTING CDOT LIGHTING UNITS SHALL BE RELOCATED. THE EXISTING FOUNDATIONS SHALL BE BROKEN DOWN AND DISPOSED OF PROPERLY. THIS WORK SHALL NOT BE PERFORMED UNTIL THE TEMPORARY LIGHTING SYSTEM, SHOWN ON THIS SHEET, HAS BEEN INSTALLED, ENERGIZED, TESTED, AND APPROVED BY THE ENGINEER.
2. THE EXISTING 2-1/C #2 AWG, SHLD, 15KV RATED POWER FEEDER CABLES FROM SLC-24 TO SLC-25 LOCATED WITHIN THE DUCT BANK SHALL BE PULLED BACK TO THE NEAREST MANHOLE UNAFFECTED BY CONSTRUCTION SHOWN ON RL-31, AND BE COILED FOR RE-USE AND PROTECTED FROM DAMAGE. THESE CABLES SHALL NOT BE DISCONNECTED AND PULLED BACK UNTIL THE NEW DUCT BANK HAS BEEN INSTALLED AND REROUTED AS SHOWN ON RL-34. THE EXISTING TRANSCLOSURES SHALL REMAIN IN SERVICE DURING ALL NIGHTTIME HOURS. IF REQUIRED, THE CONTRACTOR SHALL PROVIDE ALL THE NECESSARY MATERIALS AND LABOR TO TEMPORARILY FEED THESE TRANSCLOSURES UNTIL THE PERMANENT FEED IS INSTALLED AT NO COST TO IDOT.
3. THE TEMPORARY LIGHTING UNITS SHALL BE LOCATED 2' BEHIND THE EXISTING NB LAKE SHORE DRIVE MEDIAN WALL TO AVOID CONFLICTS WITH VEHICLE TRUCK ACCESS AND ALL UTILITIES.
4. THE EXISTING CDOT LIGHTING UNIT SHALL BE RELOCATED. THE EXISTING FOUNDATIONS SHALL BE BROKEN DOWN AND DISPOSED OF PROPERLY. THIS WORK SHALL NOT BE PERFORMED UNTIL THE PROPOSED FOUNDATIONS, CONDUITS, AND CABLES SHOWN ON RL-34 HAS BEEN INSTALLED, ENERGIZED, TESTED, AND APPROVED BY THE ENGINEER.
5. THE TEMPORARY LIGHTING SYSTEM SHALL REMAIN ACTIVE UNTIL THE PROPOSED LIGHTING SYSTEM SHOWN ON RL-34 HAS BEEN INSTALLED, ENERGIZED, TESTED AND APPROVED BY THE ENGINEER.

DATE	REVISION

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING

CONSULTANT: AECOM

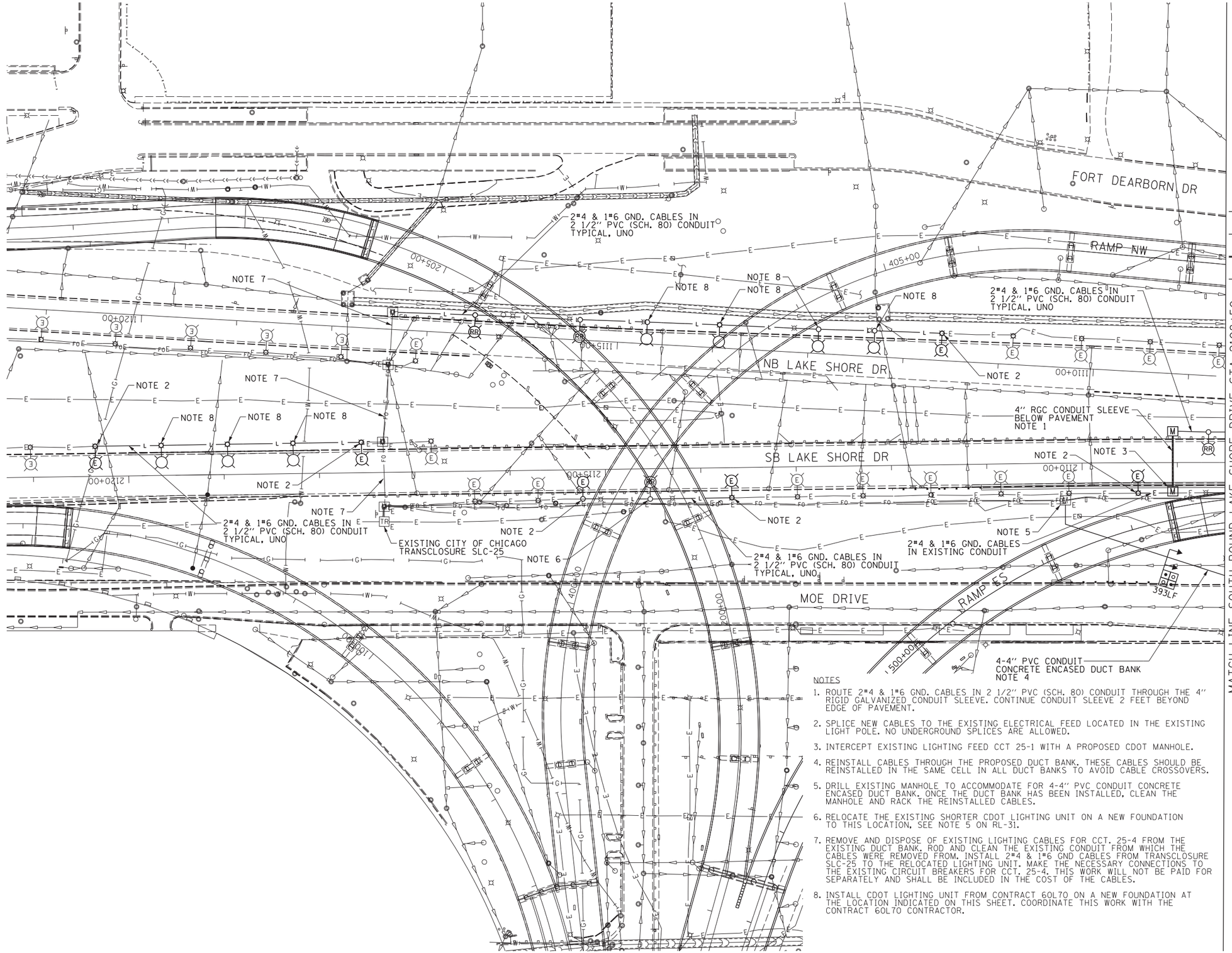
WORK ORDER NO. _____ DATE _____
COST ALLOCATION ACCOUNT _____
APPROPRIATION ACCOUNT { MATERIAL _____ LABOR _____

LAKE SHORE DRIVE
EXISTING/TEMPORARY LIGHTING PLANS

CITY OF CHICAGO
DEPT. OF TRANSPORTATION
DIVISION OF ELECTRICAL OPERATIONS

DRAFTSMAN: CAM	CHIEF DRAFTSMAN:	ENGINEER: PFD
SUPERVISING ENGINEER: WDS	ELEC. DESIGN ENGR.	
ENGINEER OF ELECTRICITY:		RL-32
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 22" | 34"	SCALE: 1" = 50'	DATE: 5/26/2015
DATE: 5/26/2015	DWG. NO.:	32 OF 38
C.D.O.T. PROJECT NO.:		

TOTAL SHEETS	SHEET NO.
888	316



LEGEND

- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING LAKE SHORE DRIVE LIGHTING UNIT RELOCATED ON A NEW FOUNDATION
- LAKE SHORE DRIVE LIGHTING UNIT TO BE INSTALLED ON A NEW FOUNDATION
- EXISTING MANHOLE TO REMAIN
- PROPOSED MANHOLE
- EXISTING CITY OF CHICAGO TRANSCLOSURE TO REMAIN
- EXISTING UNDERGROUND ELECTRIC LINE
- PROPOSED RACEWAY UNDERGROUND WITHOUT ENCASEMENT
- RIGID GALVANIZED STEEL CONDUIT SLEEVE, INSTALLED BELOW PAVEMENT
- UNDERGROUND REINFORCED CONCRETE ENCASED CONDUIT DUCTBANK

N

0 50' 100'

NOTES

1. ROUTE 2"4 & 1"6 GND. CABLES IN 2 1/2" PVC (SCH. 80) CONDUIT THROUGH THE 4" RIGID GALVANIZED CONDUIT SLEEVE. CONTINUE CONDUIT SLEEVE 2 FEET BEYOND EDGE OF PAVEMENT.
2. SPLICE NEW CABLES TO THE EXISTING ELECTRICAL FEED LOCATED IN THE EXISTING LIGHT POLE. NO UNDERGROUND SPLICES ARE ALLOWED.
3. INTERCEPT EXISTING LIGHTING FEED CCT 25-1 WITH A PROPOSED CDOT MANHOLE.
4. REINSTALL CABLES THROUGH THE PROPOSED DUCT BANK. THESE CABLES SHOULD BE REINSTALLED IN THE SAME CELL IN ALL DUCT BANKS TO AVOID CABLE CROSSOVERS.
5. DRILL EXISTING MANHOLE TO ACCOMMODATE FOR 4-4" PVC CONDUIT CONCRETE ENCASED DUCT BANK. ONCE THE DUCT BANK HAS BEEN INSTALLED, CLEAN THE MANHOLE AND RACK THE REINSTALLED CABLES.
6. RELOCATE THE EXISTING SHORTER CDOT LIGHTING UNIT ON A NEW FOUNDATION TO THIS LOCATION, SEE NOTE 5 ON RL-31.
7. REMOVE AND DISPOSE OF EXISTING LIGHTING CABLES FOR CCT. 25-4 FROM THE EXISTING DUCT BANK. ROD AND CLEAN THE EXISTING CONDUIT FROM WHICH THE CABLES WERE REMOVED FROM. INSTALL 2"4 & 1"6 GND CABLES FROM TRANSCLOSURE SLC-25 TO THE RELOCATED LIGHTING UNIT. MAKE THE NECESSARY CONNECTIONS TO THE EXISTING CIRCUIT BREAKERS FOR CCT. 25-4. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE CABLES.
8. INSTALL CDOT LIGHTING UNIT FROM CONTRACT 60L70 ON A NEW FOUNDATION AT THE LOCATION INDICATED ON THIS SHEET. COORDINATE THIS WORK WITH THE CONTRACT 60L70 CONTRACTOR.

DATE	REVISION

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING

CONSULTANT: AECOM

WORK ORDER NO. _____ DATE _____
COST ALLOCATION ACCOUNT _____
APPROPRIATION ACCOUNT { MATERIAL _____ LABOR _____

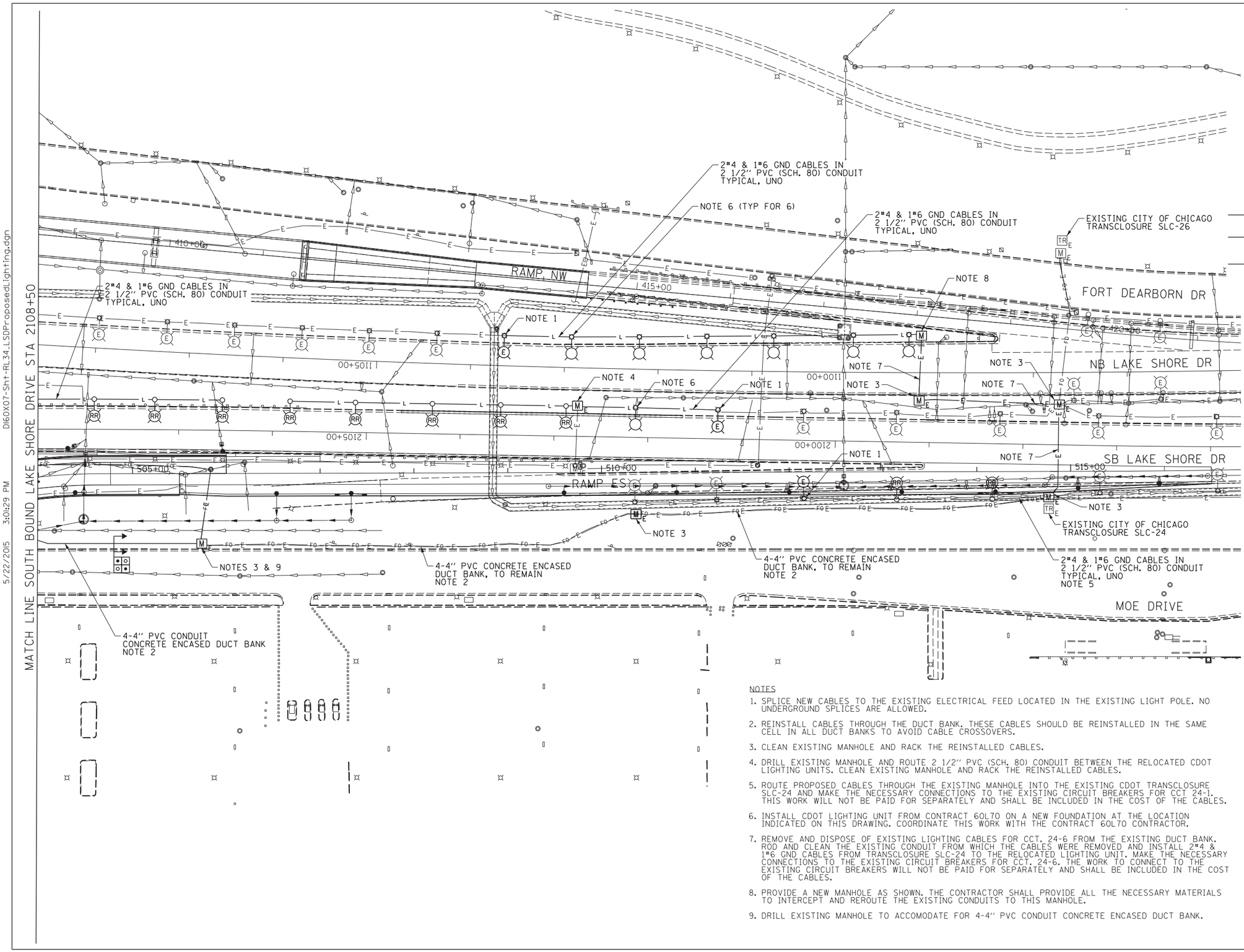
LAKE SHORE DRIVE
PROPOSED LIGHTING PLANS

CITY OF CHICAGO
DEPT. OF TRANSPORTATION
DIVISION OF ELECTRICAL OPERATIONS

DRAFTSMAN: CAM	CHIEF DRAFTSMAN:	ENGINEER: PFD
SUPERVISING ENGINEER: WDS	ELEC. DESIGN ENGR.	RL-33
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 22" | 34"	SCALE: 1" = 50'	DATE: 5/26/2015
DATE: 5/26/2015	DWG. NO.: 33 OF 38	
C.D.O.T. PROJECT NO.:		

D160X07-Sht-RL33_LSDProposedLighting.dgn
5/22/2015 3:01:27 PM

TOTAL SHEETS	SHEET NO.
888	317



LEGEND

- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING LAKE SHORE DRIVE LIGHTING UNIT RELOCATED ON A NEW FOUNDATION
- LAKE SHORE DRIVE LIGHTING UNIT TO BE INSTALLED ON A NEW FOUNDATION
- EXISTING MANHOLE TO REMAIN
- PROPOSED MANHOLE
- EXISTING CITY OF CHICAGO TRANSCLOSURE TO REMAIN
- EXISTING UNDERGROUND ELECTRIC LINE
- PROPOSED RACEWAY UNDERGROUND WITHOUT ENCASEMENT
- UNDERGROUND REINFORCED CONCRETE ENCASED CONDUIT DUCTBANK

N

0 50' 100'

NOTES

1. SPLICE NEW CABLES TO THE EXISTING ELECTRICAL FEED LOCATED IN THE EXISTING LIGHT POLE. NO UNDERGROUND SPLICES ARE ALLOWED.
2. REINSTALL CABLES THROUGH THE DUCT BANK. THESE CABLES SHOULD BE REINSTALLED IN THE SAME CELL IN ALL DUCT BANKS TO AVOID CABLE CROSSOVERS.
3. CLEAN EXISTING MANHOLE AND RACK THE REINSTALLED CABLES.
4. DRILL EXISTING MANHOLE AND ROUTE 2 1/2" PVC (SCH. 80) CONDUIT BETWEEN THE RELOCATED CDOT LIGHTING UNITS. CLEAN EXISTING MANHOLE AND RACK THE REINSTALLED CABLES.
5. ROUTE PROPOSED CABLES THROUGH THE EXISTING MANHOLE INTO THE EXISTING CDOT TRANSCLOSURE SLC-24 AND MAKE THE NECESSARY CONNECTIONS TO THE EXISTING CIRCUIT BREAKERS FOR CCT 24-1. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE CABLES.
6. INSTALL CDOT LIGHTING UNIT FROM CONTRACT 60L70 ON A NEW FOUNDATION AT THE LOCATION INDICATED ON THIS DRAWING. COORDINATE THIS WORK WITH THE CONTRACT 60L70 CONTRACTOR.
7. REMOVE AND DISPOSE OF EXISTING LIGHTING CABLES FOR CCT. 24-6 FROM THE EXISTING DUCT BANK. ROD AND CLEAN THE EXISTING CONDUIT FROM WHICH THE CABLES WERE REMOVED AND INSTALL 2"#4 & 1"#6 GND CABLES FROM TRANSCLOSURE SLC-24 TO THE RELOCATED LIGHTING UNIT. MAKE THE NECESSARY CONNECTIONS TO THE EXISTING CIRCUIT BREAKERS FOR CCT. 24-6. THE WORK TO CONNECT TO THE EXISTING CIRCUIT BREAKERS WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE CABLES.
8. PROVIDE A NEW MANHOLE AS SHOWN. THE CONTRACTOR SHALL PROVIDE ALL THE NECESSARY MATERIALS TO INTERCEPT AND REROUTE THE EXISTING CONDUITS TO THIS MANHOLE.
9. DRILL EXISTING MANHOLE TO ACCOMODATE FOR 4-4" PVC CONDUIT CONCRETE ENCASED DUCT BANK.

DATE	REVISION

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING

CONSULTANT: AECOM

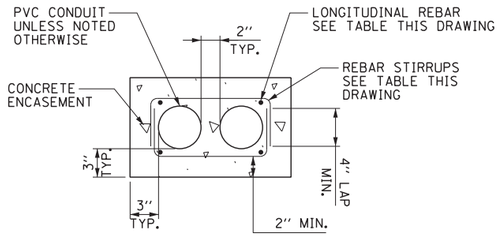
WORK ORDER NO. _____ DATE _____
COST ALLOCATION ACCOUNT _____
APPROPRIATION ACCOUNT { MATERIAL _____ LABOR _____

LAKE SHORE DRIVE
PROPOSED LIGHTING PLANS

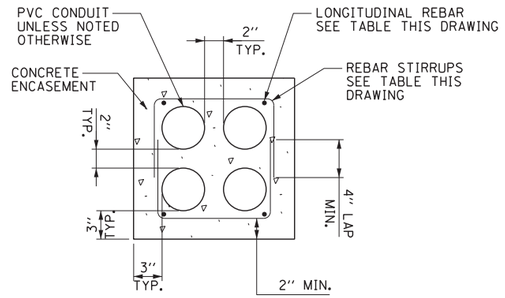
CITY OF CHICAGO
DEPT. OF TRANSPORTATION
DIVISION OF ELECTRICAL OPERATIONS

DRAFTSMAN: CAM	CHIEF DRAFTSMAN:	ENGINEER: PFD
SUPERVISING ENGINEER: WDS	ELEC. DESIGN ENGR.	RL-34
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 22" | 34"	SCALE: 1" = 50'	DATE: 5/26/2015
DATE: 5/26/2015	DWG. NO.:	34 OF 38
C.D.O.T. PROJECT NO.:		

5/22/2015 3:01:29 PM DI60X07-Sht-RL34_LSDProposedLighting.dgn



2x1 DUCTBANK DETAIL IN REINFORCED CONCRETE
NOT TO SCALE

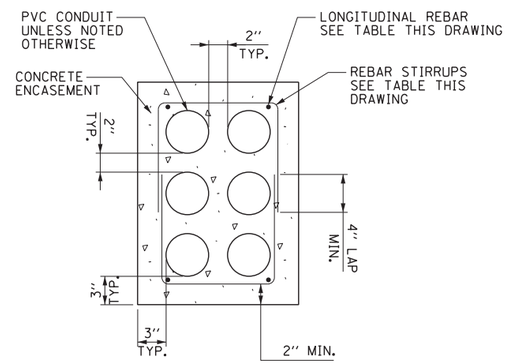


2x2 DUCTBANK DETAIL IN REINFORCED CONCRETE
NOT TO SCALE

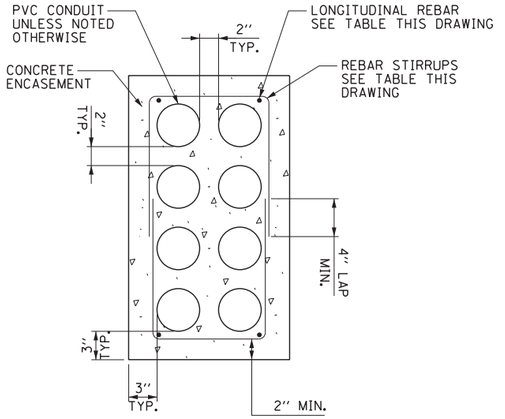
DUCTBANK REINFORCEMENT TABLE		
DUCTBANK CONCRETE CROSS-SECTIONAL AREA SQ. INCHES	LONGITUDINAL REBAR BARS	REBAR STIRRUPS
LESS THAN 450	#4	#3 AT 12" SPACING
451 TO 650	#5	#3 AT 12" SPACING
GREATER THAN 651	#6	#3 AT 12" SPACING

NOTES:

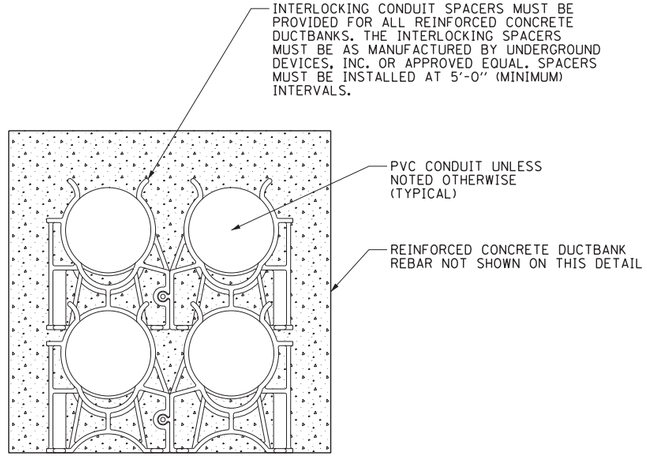
1. SEE DRAWING RL-01 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. PROVIDE MINIMUM CLEARANCE SHOWN FROM TOP OF DUCTBANK TO FINISHED GRADE FOR ALL DUCTBANKS, REGARDLESS OF SIZE. CONTRACTOR MUST INSTALL DUCTBANKS SUCH THAT THEY WILL CLEAR ALL UNDERGROUND OBSTACLES.
3. TRENCH MUST HAVE MINIMUM WIDTH SHOWN FOR ALL DUCTBANKS DETAILED ON THIS DRAWING. THE CONTRACTOR MUST INCREASE TRENCH WIDTH FOR ADDITIONAL CONDUITS, AS DIRECTED BY THE ENGINEER, AT NO ADDITIONAL COST.
4. NOT ALL DUCTBANK CONFIGURATIONS ARE SHOWN. ALL DUCTBANKS INSTALLED UNDER THIS CONTRACT WILL CONFORM TO THE TYPICAL SPACINGS SHOWN ON THIS DRAWING.



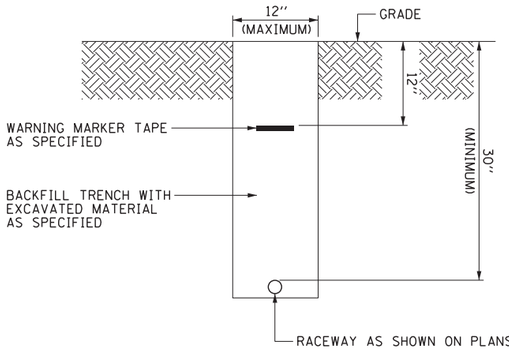
2x3 DUCTBANK DETAIL IN REINFORCED CONCRETE
NOT TO SCALE



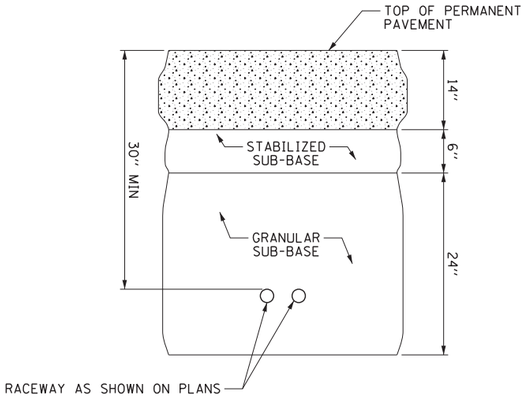
2x4 DUCTBANK DETAIL IN REINFORCED CONCRETE
NOT TO SCALE



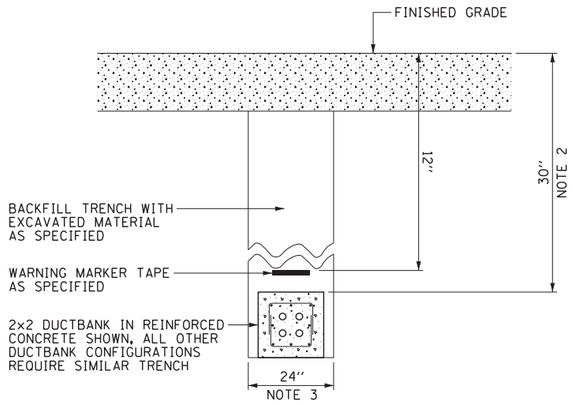
INTERLOCKING CONDUIT SPACER DETAIL
NOT TO SCALE



TYPICAL ELECTRICAL CONDUIT IN UNPAVED AREA
NOT TO SCALE



TYPICAL CONDUIT UNDER PERMANENT PAVEMENT
NOT TO SCALE



TYPICAL ELECTRICAL DUCTBANK UNDER PAVEMENT
NOT TO SCALE

DATE	REVISION

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING

CONSULTANT: AECOM

WORK ORDER NO. _____ DATE _____
COST ALLOCATION ACCOUNT _____
APPROPRIATION ACCOUNT { MATERIAL _____ LABOR _____

ELECTRICAL DUCTBANK DETAILS

CITY OF CHICAGO
DEPT. OF TRANSPORTATION
DIVISION OF ELECTRICAL OPERATIONS

DRAFTSMAN: CAM	CHIEF DRAFTSMAN:	ENGINEER: PFD
SUPERVISING ENGINEER: WDS	ELEC. DESIGN ENGR.	RL-35
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 22" | 34"	SCALE: NOT TO SCALE	DATE: 5/26/2015
DATE: 5/26/2015	DWG. NO.: 35 OF 38	
C.D.O.T. PROJECT NO.:		

5/22/2015 3:01:31 PM D160X07-Sht-RL35_CDOTDetails.dgn

FILE NAME =
D160X07-sht-RL36.CDOTDetails.dgn

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

PROPOSED	PRESENT	
		SIGNAL. TRAFFIC 3 SECTION 1-WAY ADJUSTABLE. 12" OR AS NOTED
		SIGNAL. TRAFFIC 3 SECTION 2-WAY ADJUSTABLE. 12" OR AS NOTED
		SIGNAL OPTICALLY PROGRAMMED
		SIGNAL. PEDESTRIAN. DON'T WALK/WALK
		SIGNAL FACE ARROW. 12" COLOR AS NOTED
		SIGNAL FACE. 1 SECTION YELLOW/GREEN ARROW DUAL INDICATION
		PUSH BUTTON. PEDESTRIAN
		SIGN.ILLUMINATED. WITH MESSAGE OR SYMBOL AS INDICATED
		MAST ARM. MONOTUBE. STEEL. SIZE AS INDICATED (SEE DWG. #870)
		MAST ARM. TRUSS. ALUMINUM. SIZE AS INDICATED
		CONTROLLER. TRAFFIC SIGNAL. PEDESTAL OR BASE MOUNTED AS INDICATED
		CONTROLLER. STREET LIGHTING. PEDESTAL OR BASE MOUNTED. (DWG. 876 or 880)
		CONTROLLER.STREET LIGHTING. POLE MOUNTED (DWG. #1194O)
		POLE. WOOD. COMMONWEALTH EDISON COMPANY. SERVICE
		POLE. CITY STEEL. ANCHOR BASE. 34'6"-7 GA. 10" DI A. AND 15"B.C. 24'X7' FND. W/1¼" ANCHOR RODS DRG. #818.
		POLE. CITY STEEL. ANCHOR BASE. 34'-6". 3 GA. 10" DIA. AND 15" B.C. 30'X9' FND. W/1¼" ANCHOR RODS DRG. #818 (16'-20' or 26' M.A.)
		POLE. CITY STEEL. ANCHOR BASE. 34'-6". 3GA.. 11" DIA. AND 17¼" B.C. 30'X9' FND. W/1¼" ANCHOR RODS DRG. #816. (30' M.A.)
		POLE. CITY STEEL. ANCHOR BASE 34'-6". 3 GA. 12½" DIA. AND 16½"B.C. 30'X11' FND. W/1½" ANCHOR RODS DRG.#817. (35'-40' or 44' M.A.)
		POLE. CITY STEEL. ANCHOR BASE. 32'-6". 3 GA. 10" DIA.. WITH 3 GA. BAL. HSG. BASE AND 17¼ B. C. ON 30'X9' FND. W/ 11/4" ANCHOR RODS DRG. #816.
		POLE. CITY STEEL. ANCHOR BASE. 20'.27'-6".29'-6". 7 GA. WITH STEEL BAL. HSG. BASE AND FND. W/10" D. B.C. AND 1" ANCHOR RODS DRG. #716.
		POLE.CITY STEEL. ANCHOR BASE. 20'.27'-6".29'-6". 3 GA., WITH STEEL BAL. HSG. BASE AND FND. W/10" D. B.C. AND 1" ANCHOR RODS DWG.#719.
		POLE. CITY STEEL. ANCHOR BASE. 20'.27'-6".29'-6" 7 GA.. AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DWG. #11408B
		POLE. CITY STEEL. ANCHOR BASE. 20'.27'-6".29'-6" 3 GA..ANC FND. WITH 10" B.C. AND 1" ANCHOR RODS DWG. #11408B.
		POLE. CITY STEEL. ANCHOR BASE. 32'-6". 7 GA.. AND FND. WITH 11½" B.C. AND 1" ANCHOR RODS DWG. #753.
		POLE. CITY STEEL. ANCHR BASE. 32'-6". 3 GA.. AND FND. WITH 11½" B.C. AND 1" ANCHOR RODS DWG. #753.
		POLE. CITY STEEL. ANCHOR BASE. 32'-6" 7 GA.. ALUM. BHB AND FND. WITH 15" B.C. 24'X 1" WITH 1" ANCHOR RODS DWG. #691.
		POLE. CITY STEEL. ANCHOR BASE. 32'-6". 3 GA.. ALUM. BHB AND FND. WITH 15" B.C. 24'X 1" WITH 1" ANCHOR RODS DWG. #691.
		POLE. CITY ALUMINUM. WITH ROUND BAL. HSG. BASE. 25'. 28'. or 30' ON FND.WITH 14" B.C.. ACQUIRED FROM CHICAGO PARK DISTRICT.
		POLE. CITY STEEL. EMBEDDED. 4"X 9"X 35' 7 GA.. TAPERED TUBULAR. (DWG. #658)
		POLE. CITY STEEL. EMBEDDED. 4"X 9"X 35' 3 GA.. TAPERED TUBULAR. (DWG. #658)
		POLE. CITY STEEL. EMBEDDED. (ACQUIRED FROM CTA)
		COLUMN.ELEVATED STRUCTURE
		POLE. WOOD. (SIZE AS NOTED)
		POLE. FOUNDATION WITH ELBOWS AS INDICATED.(SIZE AS NOTED)
		POLE. ORNAMENTAL OR OTHER. AS INDICATED ON THE PLANS

PROPOSED	PRESENT	
		HANDHOLE. HEAVY DUTY. 36" I.D. (DWG.#866)
		HANDHOLE. CIRCULAR WITH 24"FRAME & COVER.30"I.D. (#867)
		MANHOLE. CITY 3'X4'X4' DWG. #729 or 730: 4'X6'X6' DWG. #732or 733.
		FOUNDATION. CONTROLLER OR PEDESTAL. 13" B.C..20"X5' (DWG. #709)
		FOUNDATION. TRAFFIC CONTROLLER DWG. #854. F.A. TERMINAL FND. DWG. #11972
		FOUNDATION. TRAFFIC TYPE "F". BASE MOUNT. (DWG. #880)
		FOUNDATION.CONTROLLER STREET LIGHT .SPECIAL. 100A & 200A. (DWG.#876 & # 880)
		FOUNDATION. TRANSCLOSURE: TRANSCLOSURE HOUSING. (DWG.# 583 & #891)
		CONTROLLER.UNDERPASS LIGHTING 120V. & 240V. (DWG. #860 & #861)
		MANHOLE. UTILITY. E=COMMONWEALTH EDISON: T=ILL.BELL TEL.: G=PEOPLES GAS: W=CITY WATER: P=CHGO PARK DISTRICT: CTA=C.T.A: S= SEWER
		JUNCTION BOX. IN PAVEMENT (DWG. #815)
		DETECTOR LOOP IN PAVEMENT
2D	2D	CONDUIT or P.V.C.. NUMBER.SIZE & TYPE. (AS NOTED)
		CONDUIT or P.V.C. ENCASED IN CONCRETE. (SECTION or NUMBER OF CONDUIT INDICATED
		LUMINAIRE. H.P.S.V. 400W LAMP. 240V. SEMI-CUTOFF
		LUMINAIRE. H.P.S.V. 400W LAMP. 240V. CUTOFF
		LUMINAIRE. H.P.S.V. 310W LAMP. 240V
		LUMINAIRE. H.P.S.V. 310W LAMP 240V. CUTOFF
		LUMINAIRE. H.P.S.V. 150W LAMP. 240V
		LUMINAIRE. H.P.S.V. 150W LAMP. 120V
		LUMINAIRE. H.P.S.V. 250W LAMP. 120V. (ALLEY LIGHT)
		LUMINAIRE. H.P.S.V. 250W LAMP. 120V
		TERMINAL. CABINET F.A. & P.C.
		FIRE ALARM BOX. MOUNTED
		FIRE ALARM BOX. POLE MOUNTED
PR	PR	CABLE. TRAFFIC SIGNAL. COMMUNICATION. 1-PAIR #14 SHIELDED. IN CONDUIT
2	2	CABLE. TRAFFIC SIGNAL POWER SUPPLY. 2/C- #4. 600 V. EPR. IN CONDUIT
III	III	CABLE. TRAFFIC SIGNAL POWER SUPPLY. 2 1/C-#2 or #1/O 600V. EPR IN CONDUIT
II	II	CABLE. TRAFFIC SIGNAL POWER SUPPLY. 2/C-#10 or #6. 600V NSRI. IN CONDUIT
VII	VII	CABLE. TRAFFIC SIGNAL. 7/C-#12 or #14. 600V. EPR IN CONDUIT
X	X	CABLE. TRAFFIC SIGNAL. 10/C-#12 or #14. 600V. EPR IN CONDUIT
	XIV	CABLE. TRAFFIC SIGNAL. 14/C-#12 600V. EPR IN CONDUIT
XIX	XIX	CABLE. TRAFFIC SIGNAL. 19/C-#12 or #14. 600V. EPR IN CONDUIT
2N	2N	CABLE. STREET LIGHT. 2 1/C-#6. 600V. RINS IN PARKWAY
2NC	2NC	CABLE. STREET LIGHT. 2 1/C-#6. 600V. RINS IN CONDUIT
3TC	3TC	CABLE. STREET LIGHT. 2 1/C-#6 EPRN 600V. & 1 1/C-#8 GREEN. TRIPLEXED.IN CONDUIT
3NC	3NC	CABLE. STREET LIGHT. 3 1/C-#1/O. or #2/O. or #4. 600V. EPR IN CONDUIT
2W	2W	WIRE. STREET LIGHT. 2 1/C-#6. HDNS. AERIAL
3W	3W	WIRE. STREET LIGHT. 2 1/C-#6 & 1 1/C #8. HDNS. AERIAL
III	III	CABLE. STREET LIGHT AERIAL. 3 1/C-#4 or #2 SELF SUPPORTING. 600V EPR
FA	FA	WIRE. F.A. & P.C. AERIAL. 1/C-#10. NUMERAL DENOTES QUANTITY
PR	PR	CABLE. F.A. & P.C. AERIAL. W/ MESSENGER #19-(NUMBER OF PAIRS AS INDICATED)
PR	PR	CABLE. F.A. & P.C. AERIAL. SELF SUPPORTING. #19-(NUMBER OF PAIRS AS INDICATED)
JT PR	JT PR	CABLE. F.A. & P.C.. IN CONDUIT. #19-(NUMBER OF PAIRS AS INDICATED)
		DOWNLIGHT ASSEMBLY. (DWG. #850)
		LIGHT. TRAFFIC SAFETY ISLAND
		FLASHING BEACON & DOWNLIGHT

ORNAMENTAL LUMINAIRES

PROPOSED	EXISTING		
		310W PENDANT	(240V)
		400W PENDANT	(240V)
		250W PENDANT	(240V)
		150W ACORN	(120V)
		150W ACORN	(240V)
		50W ACORN	(240V)
		100W ACORN	(240V)
		150W GLOBE	(240V)
		100W GLOBE	(240V)
		50W GLOBE	(240V)

	DATE	REVISION
C	04-01-02	REVISED/REDRAW R.POOL/B.I.
B	12-4-01	ADDED ORNAMENTAL SYMBOLS
A	8-6-96	REDRAWN

STANDARD CODE FOR TRAFFIC SIGNALS/ STREET LIGHTING

CITY OF CHICAGO
DEPT. OF STREET AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: R. IVY	CHIEF DRAFTSMAN: R. CARTER	ENGINEER: R. POOL/R.C/W.T.
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	
ENGINEER OF ELECTRICITY:		DWG. NO. 826
GEN'L. SUPT. OF CONSTRUCTION:		
SUPT. OF ELECTRICITY:		
SIZE: 22"| 36"	SCALE:	DATE:

INSTALLATION NOTES

STEP 1 COAT EXPOSED PORTION OF ANCHOR BOLTS WITH APPROVED ANTI RUSTING GREASE ("NO-OX" OR EQUAL).

STEP 2 INSTALL LOWER LEVELLING NUTS & WASHERS, SET AT PROPER GRADE WITH HAND LEVEL, USE TABLE FOR APPROPRIATE DIMENSIONS.

STEP 3 MOUNT POLE OR PEDESTAL, ATTACH TOP WASHERS & NUTS HAND TIGHT.

STEP 4 PLUMB POLE OR PEDESTAL AFTER ALL MASTARMS, STREET LIGHTS, TRAFFIC SIGNALS & OTHER APPURTENANCES ARE ATTACHED TO POLE & TIGHTEN ALL NUTS.

STEP 5 ATTACH NUT COVERS WHERE REQUIRED.

STEP 6 DO NOT GROUT IN SPACE BETWEEN BOTTOM OF POLE & TOP OF FOUNDATION. TOP OF FOUNDATION OR SURFACE OF SIDEWALK MUST BE LEFT CLEAN AND SMOOTH.

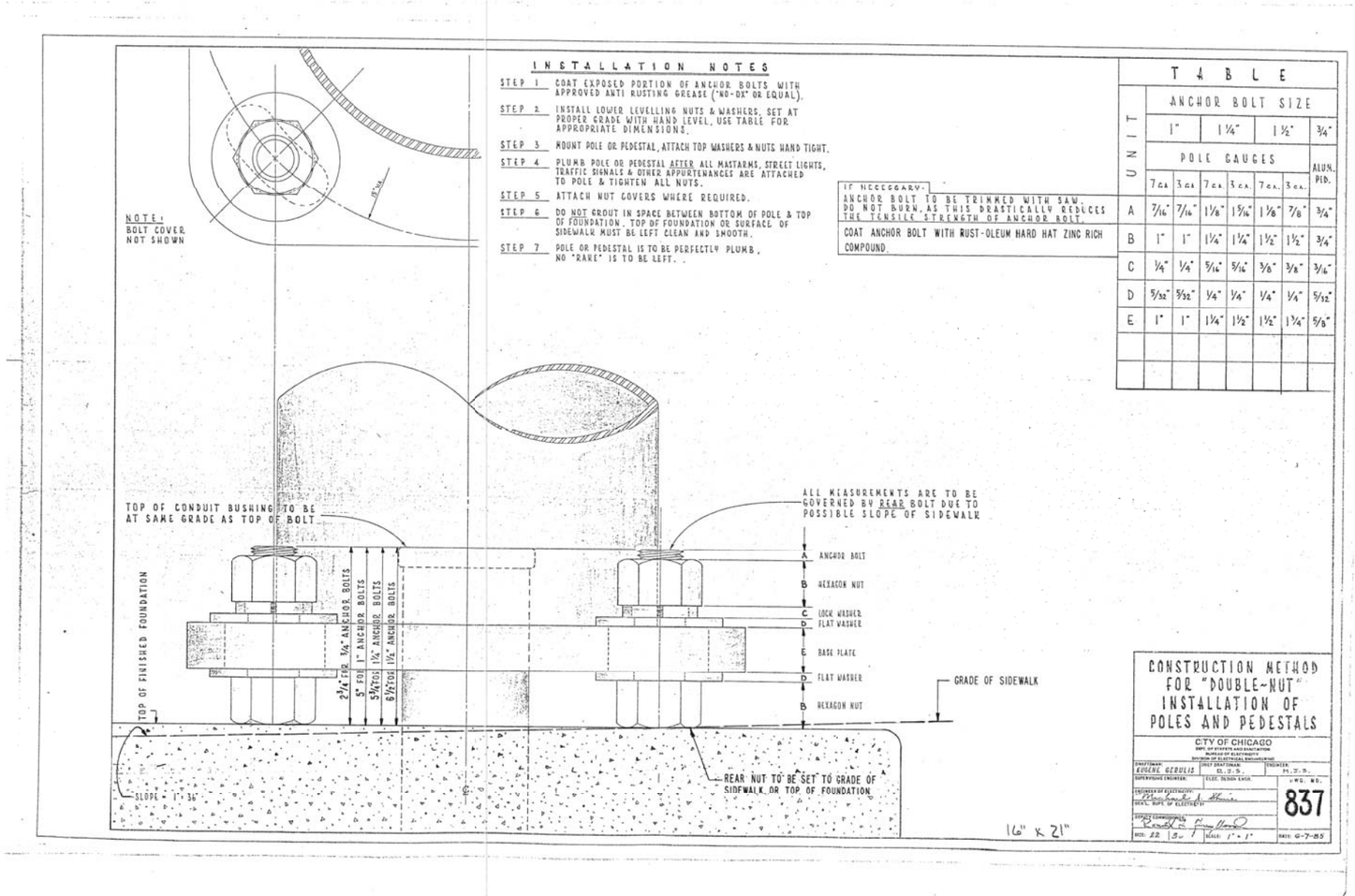
STEP 7 POLE OR PEDESTAL IS TO BE PERFECTLY PLUMB, NO "RAKE" IS TO BE LEFT.

IF NECESSARY:
ANCHOR BOLT TO BE TRIMMED WITH SAW. DO NOT BURN, AS THIS DRASTICALLY REDUCES THE TENSILE STRENGTH OF ANCHOR BOLT.

COAT ANCHOR BOLT WITH RUST-OLEUM HARD HAT ZINC RICH COMPOUND.

TABLE

UNIT	ANCHOR BOLT SIZE						
	1"		1¼"		1½"		¾"
	POLE GAUGES						ALUM. PED.
	7 ca.	3 ca.	7 ca.	3 ca.	7 ca.	3 ca.	
A	7/16"	7/16"	1⅛"	1⅛"	1⅛"	⅞"	¾"
B	1"	1"	1¼"	1¼"	1½"	1½"	¾"
C	¼"	¼"	5/16"	5/16"	⅜"	⅜"	¾"
D	5/32"	5/32"	¼"	¼"	¼"	¼"	5/32"
E	1"	1"	1¼"	1½"	1½"	1¾"	⅝"



CONSTRUCTION METHOD FOR "DOUBLE-NUT" INSTALLATION OF POLES AND PEDESTALS

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: EDGEL GEBULIS	CHECKED: M. J. P.
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.
ENGINEER OF ELECTRICITY:	DWG. NO. 837
GEN'L. SUPT. OF ELECTRICITY:	
ASSIST COMMISSIONER:	
DATE: 12.15.1	SCALE: 1" = 1"

DATE: 6-7-85

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

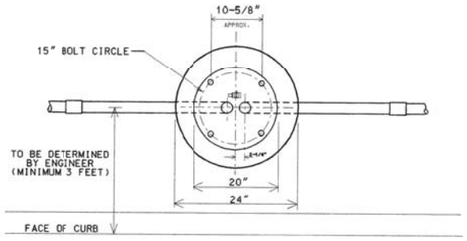
CDOT DETAILS

SCALE: N.T.S. | SHEET NO. 36 OF 38 SHEETS | STA. | TO STA.

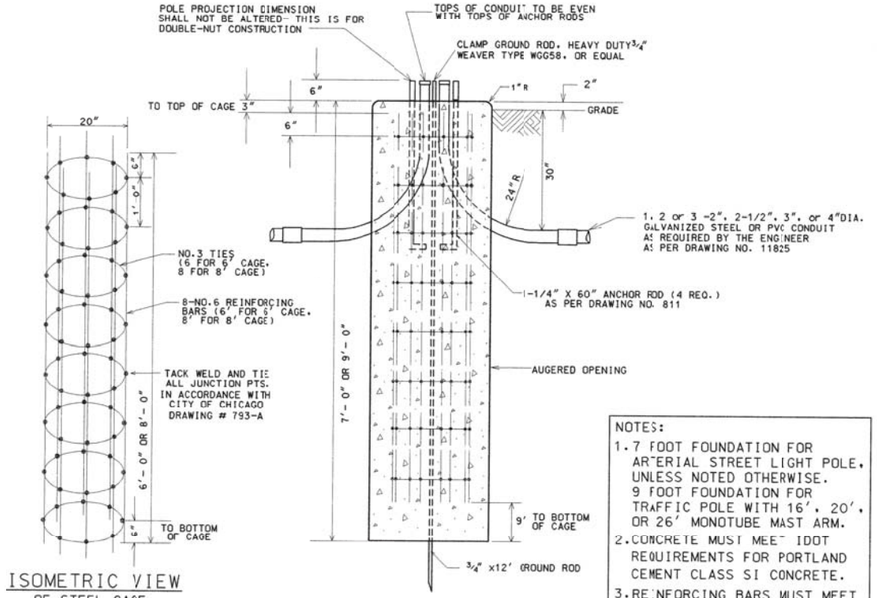
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PLOT SCALE = 1.0000 ' / in.	DRAWN - CAM	REVISED -
PLOT DATE = 5/22/2015	CHECKED - WDS	REVISED -
	DATE - 5/26/2015	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	319
		CONTRACT NO. 60X07		
		ILLINOIS FED. AID PROJECT		

RL-36



TOP VIEW



ISOMETRIC VIEW
OF STEEL CAGE

ELEVATION

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

NOTE: HOLE FOR FOUNDATION MUST BE AUGURED IN UNDISTURBED SOIL

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

DATE	REVISION
8/21/02	SUPERCEDES DWG #818 DRAWN 4/21/81

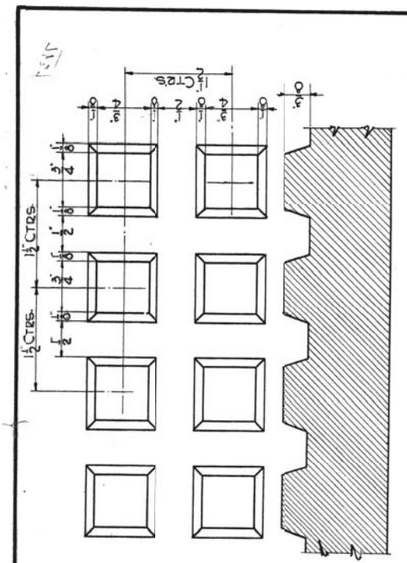
FOUNDATION FOR 34'-5" ARTERIAL STREET LIGHT OR TRAFFIC SIGNAL POLE -3 OR 7 GAUGE WITH 15" BOLT CIRCLE

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICIAL ENGINEERING

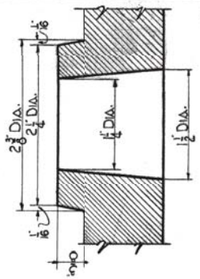
DRAFTSMAN:	CHIEF DRAFTSMAN:	ENGINEER:
B. GARNSEY	R. CARTER	B. GARNSEY

ELECTRICAL DESIGN ENGINEER:
ENGINEER OF ELECTRICITY:
GENERAL SUPERINTENDENT:
DEPUTY COMMISSIONER:

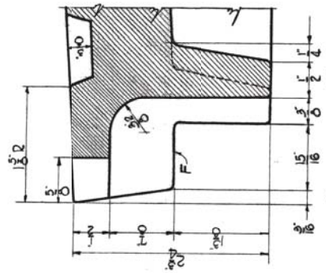
DRAWING NO. 818
SIZE: 11" x 17"
SCALE: NONE
DATE: 8/21/02



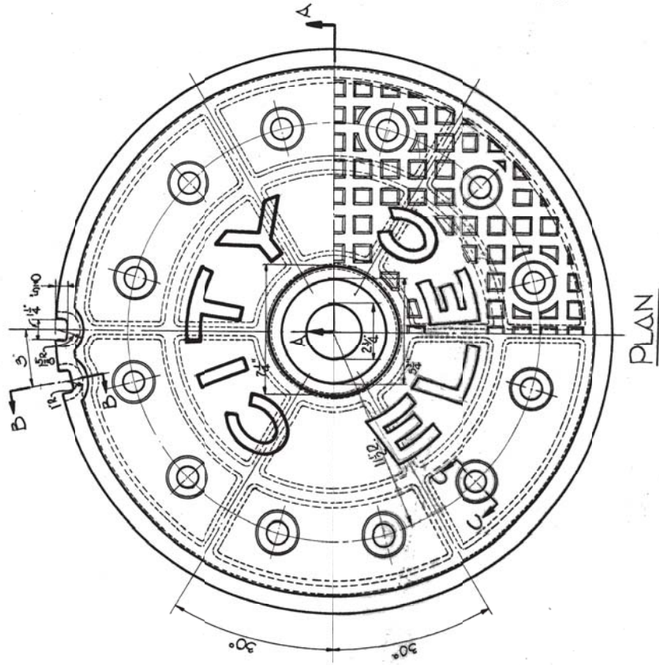
DETAIL OF CORRUGATIONS



SECTION C-C

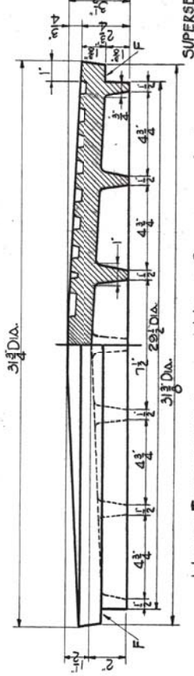


SECTION B-B



MATERIAL - CAST IRON
ESTIMATED WEIGHT 315 lb.

F- DENOTES BEARING SURFACE SHALL BE MACHINED SMOOTH.



HALF ELEVATION

HALF SECTION A-A

REVISED	
A	12-7-55
B	9-7-79
C	8-9-85

C	WEIGHT REVISED
B	
A	IDENTIFICATION LETTERS ON COVER CHANGED

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
DIVISION OF ELECTRICAL ENGINEERING

W. ZOLESKI — B. Sykora — A. Kwiecinski — A. Patterson

10927

16x21"

4-5-34

30" CIRCULAR STREET MANHOLE COVER

SUPERSEDES DRG. 7223 DATED 6-29-10
COMMODITY CODE
02-4574-5630

RL-37

FILE NAME = D:\80X07-sht-RL37_CDOTDetails.dgn

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

USER NAME = auyeungh	DESIGNED - PFD	REVISED -
	DRAWN - CAM	REVISED -
PLOT SCALE = 1.0000 ' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CDOT DETAILS

SCALE: N.T.S. | SHEET NO. 37 OF 38 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	320
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FILE NAME =
D160X07-sht-RL38.CDOTDetails.dgn

AECOM
300 EAST RANDOLPH DRIVE, SUITE 400
CHICAGO, IL 60601-5076
PHONE: (312) 373-7700 FAX: (312) 373-6800

USER NAME = dugarrigh
PLOT SCALE = 1.0000 ' / in.
PLOT DATE = 5/22/2015

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

REVISED	-	
REVISED	-	
REVISED	-	

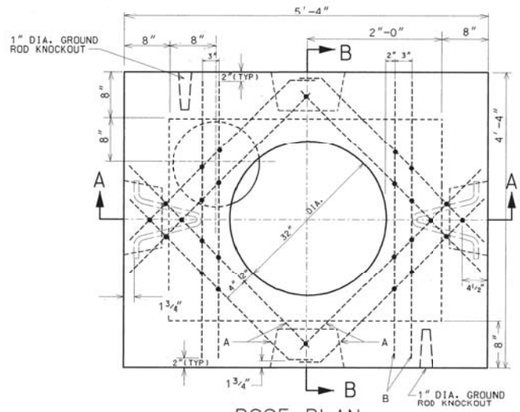
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CDOT DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	321
ILLINOIS FED. AID PROJECT	CONTRACT NO. 60X07			

RL-38



ROOF PLAN

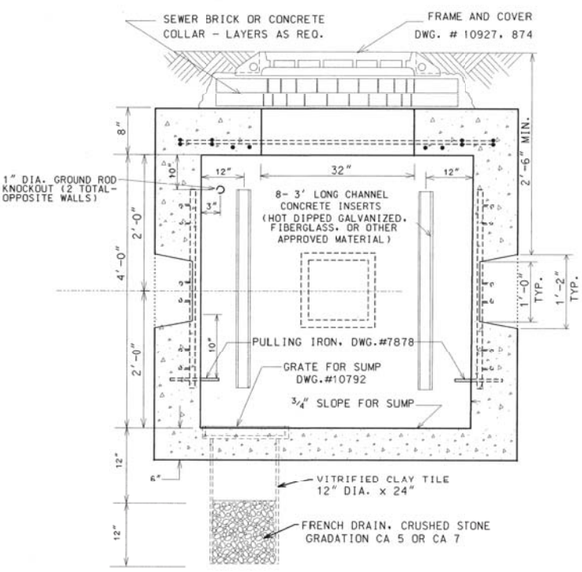
EXCAVATION (CONSTRUCTION INFORMATION)	
COMPLETE MANHOLE	5.0 CU. YDS.
NEW ROOF ONLY	2.0 CU. YDS
SHEETING MANHOLE	150.0 SQ. FT.

#5 REINFORCING BARS			
BAR	LENGTH	NO. OF RODS	TOTAL FT.
A	2'-9"	8	22'-0"
B	4'-0"	4	16'-0"

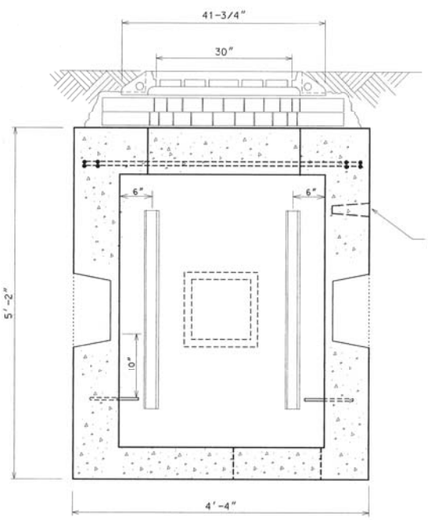
MATERIALS FOR ROOF ONLY	
CONCRETE	0.5 CU. YDS.
REINFORCING BARS #5	38'

DRG.	MATERIAL	CODE	SIZE	No. Req.
	FORM FOR MANHOLE	17-6674-6000 17-6648-5320	3x4x4	1
	CONDUIT END BELL		AS REQ.	
	TILE, SEWER	39-4038-3200	12"/24"	
	SLAB BOLSTER		2"	20'
	BAR, REINFORCING	20-5472-9650	⅝" ø	38'
	TIE WIRE	13-9938-6106	#20GA.	35'
7878	PULLING IRON	02-4483-6970	¾" ø	2
	CONCRETE	05-3267-2940	3 CU.	YDS
	SEWER BRICK	05-1452-9720	STD.	50
10792	GRATE FOR SUMP	02-4368-7100	15" ø	1
	GROUND ROD	09-7796-9200	¾"x10'	1
	GROUND ROD CLAMP	09-2636-3240	¾"	1
	CRUSHED STONE	05-9057-5471	¾"	ONE BAG
874	MANHOLE FRAME	02-4299-5524	30"	1
10927	MANHOLE COVER	02-4574-5040	30"	1
	CONC. CHANNEL INSERT	02-4574-5040	3'	8

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



SECTION A-A



SECTION B-B

DATE	REVISION
8/21/02	SUPERCEDES DWG. 729 DATED JAN 12. 1996
1/12/96	SUPERCEDES DWG. 729 DATED NOV. 21. 1973

3' x 4' x 4'
CONCRETE MANHOLE
WITH 30" FRAME AND COVER

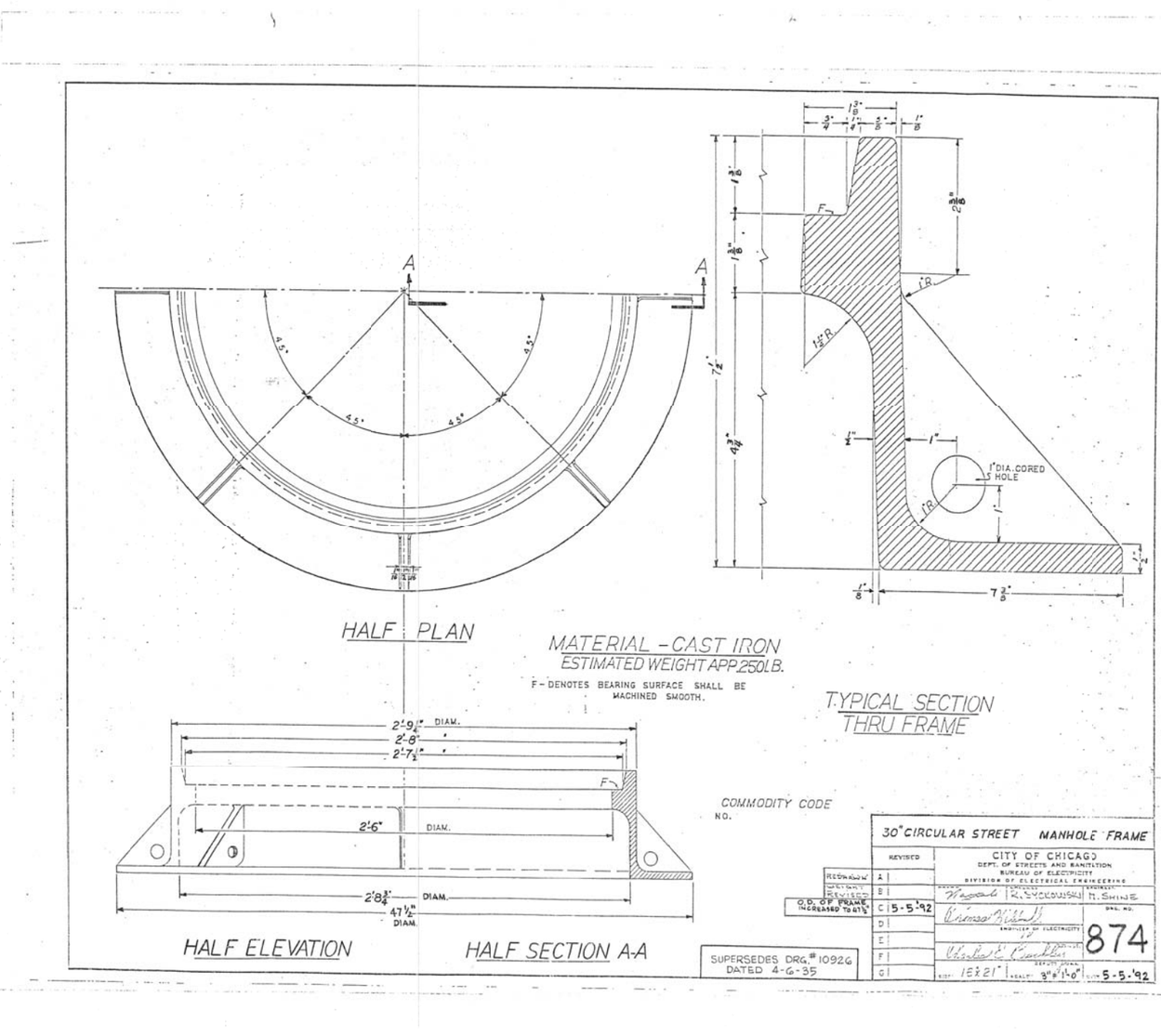
CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN:	CHIEF DRAFTSMAN:	ENGINEER:
B. GARNSEY	R. CARTER	B. GARNSEY

ELECTRICAL DESIGN ENGINEER
ENGINEER OF ELECTRICITY
GENERAL SUPERINTENDENT
DEPUTY COMMISSIONER

DRAWING NO. 729

SIZE: 17" x 22" | SCALE: NONE | DATE: 8/21/02



COMMODITY CODE NO.

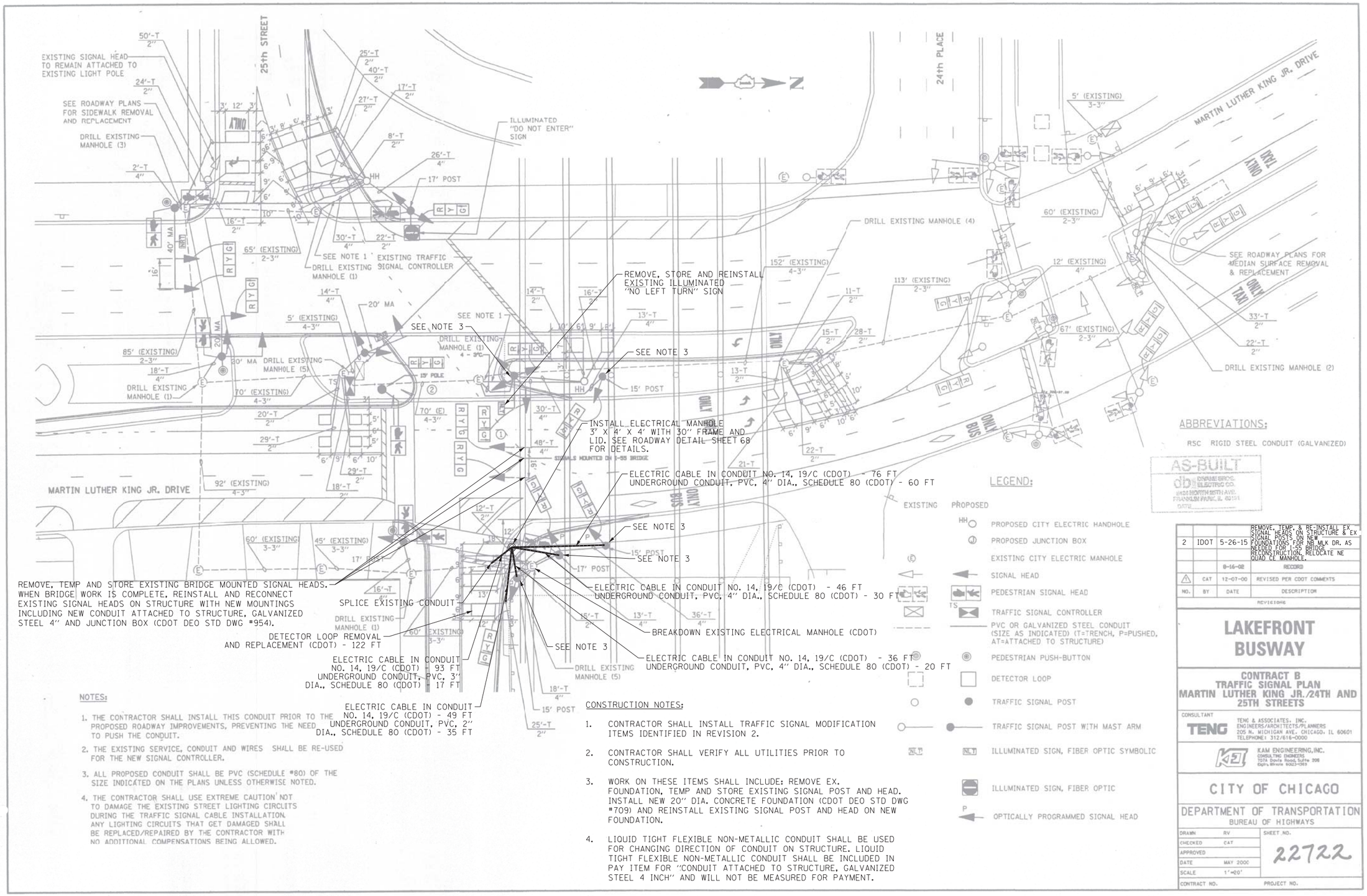
30" CIRCULAR STREET MANHOLE FRAME

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

REVISED		
REVISED	A	
REVISED	B	
O.D. OF FRAME INCREASED TO 47½"	C	5-5-92
	D	
	E	
	F	
	G	

DRAWN: R. CYCHOSKI | TRACED: R. SHINE
APPROVED: [signature] ENGINEER OF ELECTRICITY
DEPUTY COMMISSIONER
DRG. NO. 874
SIZE: 12"x21" | SCALE: 3"=1'-0" | DATE: 5-5-92

SUPERSEDES DRG.# 10926 DATED 4-6-35



NOTES:

1. THE CONTRACTOR SHALL INSTALL THIS CONDUIT PRIOR TO THE PROPOSED ROADWAY IMPROVEMENTS, PREVENTING THE NEED TO PUSH THE CONDUIT.
2. THE EXISTING SERVICE, CONDUIT AND WIRES SHALL BE RE-USED FOR THE NEW SIGNAL CONTROLLER.
3. ALL PROPOSED CONDUIT SHALL BE PVC (SCHEDULE #80) OF THE SIZE INDICATED ON THE PLANS UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR SHALL USE EXTREME CAUTION NOT TO DAMAGE THE EXISTING STREET LIGHTING CIRCUITS DURING THE TRAFFIC SIGNAL CABLE INSTALLATION. ANY LIGHTING CIRCUITS THAT GET DAMAGED SHALL BE REPLACED/REPAIRED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATIONS BEING ALLOWED.

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL INSTALL TRAFFIC SIGNAL MODIFICATION ITEMS IDENTIFIED IN REVISION 2.
2. CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.
3. WORK ON THESE ITEMS SHALL INCLUDE: REMOVE EX. FOUNDATION, TEMP AND STORE EXISTING SIGNAL POST AND HEAD. INSTALL NEW 20" DIA. CONCRETE FOUNDATION (CDOT DEO STD DWG #709) AND REINSTALL EXISTING SIGNAL POST AND HEAD ON NEW FOUNDATION.
4. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT SHALL BE USED FOR CHANGING DIRECTION OF CONDUIT ON STRUCTURE. LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT SHALL BE INCLUDED IN PAY ITEM FOR "CONDUIT ATTACHED TO STRUCTURE, GALVANIZED STEEL 4 INCH" AND WILL NOT BE MEASURED FOR PAYMENT.

ABBREVIATIONS:

RSC RIGID STEEL CONDUIT (GALVANIZED)

LEGEND:

EXISTING	PROPOSED	
	HH	PROPOSED CITY ELECTRIC HANDHOLE
	J	PROPOSED JUNCTION BOX
E		EXISTING CITY ELECTRIC MANHOLE
		SIGNAL HEAD
		PEDESTRIAN SIGNAL HEAD
TS	TS	TRAFFIC SIGNAL CONTROLLER
		PVC OR GALVANIZED STEEL CONDUIT (SIZE AS INDICATED) (T=TRENCH, P=PUSHED, AT=ATTACHED TO STRUCTURE)
		PEDESTRIAN PUSH-BUTTON
		DETECTOR LOOP
		TRAFFIC SIGNAL POST
		TRAFFIC SIGNAL POST WITH MAST ARM
N.T.	N.T.	ILLUMINATED SIGN, FIBER OPTIC SYMBOLIC
		ILLUMINATED SIGN, FIBER OPTIC
P		OPTICALLY PROGRAMMED SIGNAL HEAD

AS-BUILT
DYNAMIC BROS. ELECTRIC CO.
1424 SOUTH 55TH AVE. FRANKLIN PARK, IL 60131
DATE

NO.	BY	DATE	DESCRIPTION
			REMOVE, TEMP. & RE-INSTALL EX. SIGNAL HEADS ON STRUCTURE & EX. SIGNAL POSTS ON NEW FOUNDATIONS FOR NB MLK DR. AS NEEDED FOR I-55 BRIDGE RECONSTRUCTION. RELOCATE NE QUAD CE MANHOLE.
		8-16-02	RECORD
1	CAT	12-07-00	REVISED PER CDOT COMMENTS
NO.	BY	DATE	DESCRIPTION
			REVISIONS

LAKEFRONT BUSWAY

CONTRACT B TRAFFIC SIGNAL PLAN MARTIN LUTHER KING JR./24TH AND 25TH STREETS

CONSULTANT
TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE. CHICAGO, IL 60601
TELEPHONE: 312/616-0000

KAM ENGINEERING, INC.
CONSULTING ENGINEERS
7078 Doyle Road, Suite 206
Explo, Illinois 60423-1369

CITY OF CHICAGO

DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS

DRAWN	RV
CHECKED	CAT
APPROVED	
DATE	MAY 2000
SCALE	1"=20'
CONTRACT NO.	
PROJECT NO.	

SHEET NO. 22722

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

USER NAME = auyeungh	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLAN

SCALE: NTS | SHEET NO. 1 OF 10 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	322
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

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

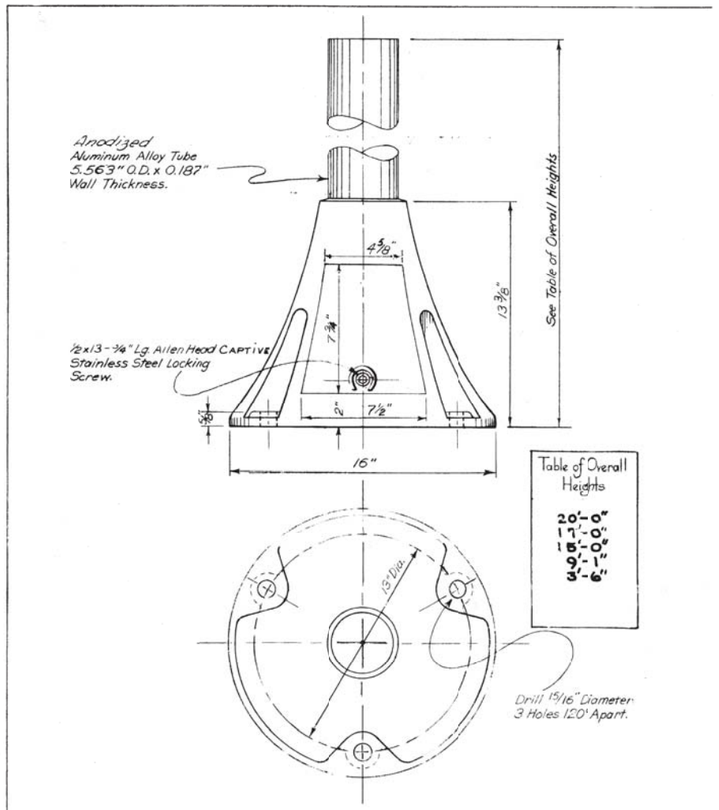


Table of Overall Heights

20'-0"	
17'-0"	
15'-0"	
9'-1"	
3'-6"	

ALUMINUM PEDESTAL BASE WITH HANDHOLE

for

Street Lighting Controller, Traffic Signal Controller and Traffic Signal Heads.

		REVISED
J	CHANGED OVERALL HEIGHTS 5-22-81	
	Revised Table of Overall Heights	A 5-5-60
	Revised O.D. of Pedestal	B 6-30-60
	Revised Specification Number	C 12-21-60
	REVISED TABLE OF OVERALL HEIGHTS	D 3-23-62
	REVISED DOOR DIMENSIONS	E 6-4-64
	Revised Overall Heights	F 7-14-71
	REVISED OVERALL HEIGHTS	G OCT. 26, 73
	REVISED OVERALL HEIGHTS	H 5-4-79

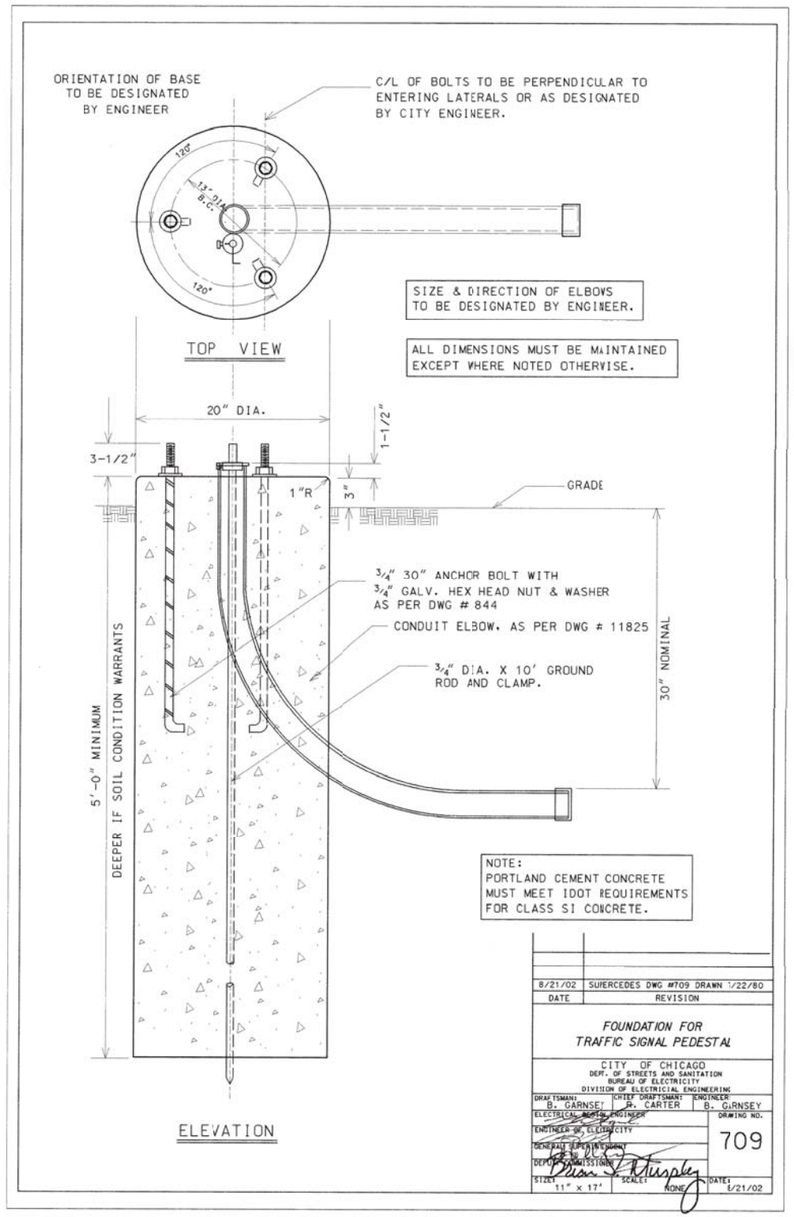
CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
DIVISION OF ELECTRICAL ENGINEERING

DRAWN	CHECKED	ENGINEER
R. COLLEY	J. BORE	Ruzicka

ENG. IN CHARGE: David D. Butler
SUPT. OF CONSTRUCTION: Joseph Ruzicka
DEPUTY COMMISSIONER: Walter J. Kluzy

SIZE 8½"x14" SCALE: 1" DATE 4-13-60

DRG. NO. 526



NOTE:
PORTLAND CEMENT CONCRETE MUST MEET IDOT REQUIREMENTS FOR CLASS SI CONCRETE.

8/21/02	SUPERCEDES DWG #709 DRAWN 1/22/80
DATE	REVISION

FOUNDATION FOR TRAFFIC SIGNAL PEDESTAL

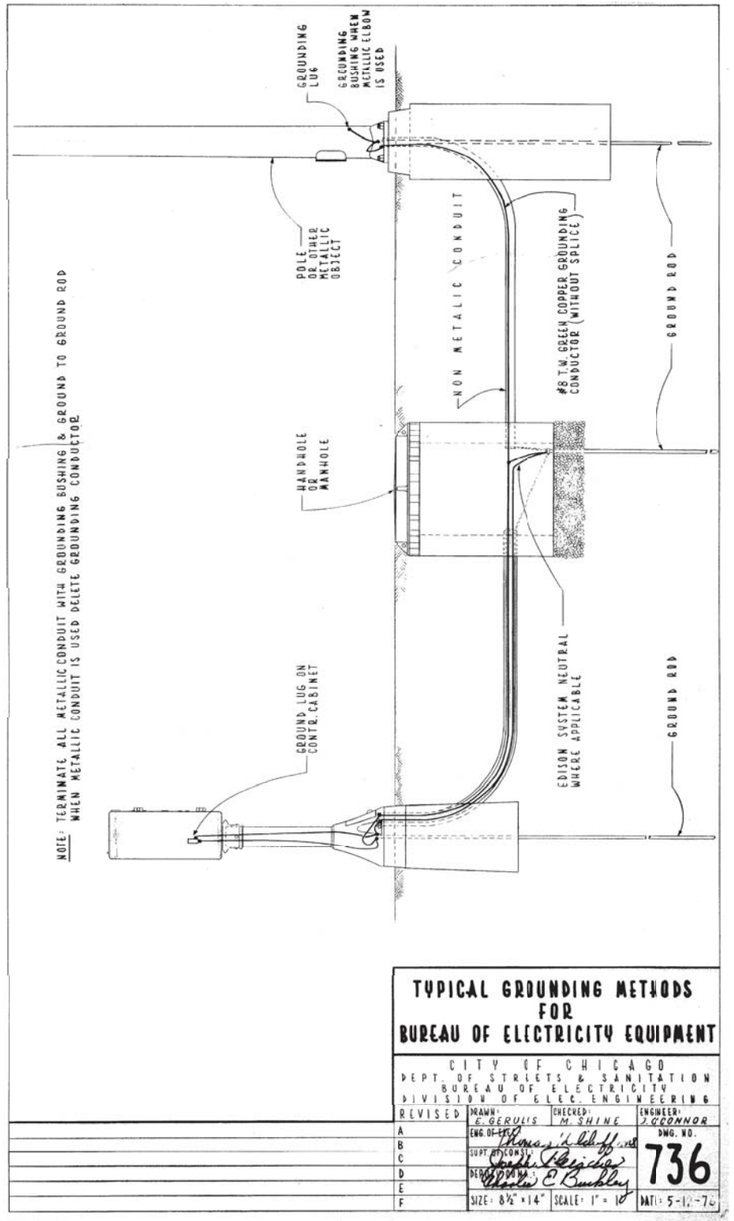
CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: B. GARNSEY	CHIEF DRAFTSMAN: P. CARTER	ENGINEER: B. GARNSEY

ELECTRICAL WORKS ENGINEER:
ENGINEER OF ELECTRICITY:
GENERAL SUPERINTENDENT:
DEPUTY COMMISSIONER: Brian D. Murphy

DRAWING NO. 709

SIZE: 11" x 17" SCALE: NONE DATE: 6/21/02



TYPICAL GROUNDING METHODS FOR BUREAU OF ELECTRICITY EQUIPMENT

CITY OF CHICAGO
DEPT. OF STREETS & SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELEC. ENGINEERING

REVISED	DRAWN: E. GERULIS	CHECKED: M. SHINE	ENGINEER: J. O'CONNOR
A	ENG. OF ELECTRICITY: Thomas J. Hill		
B			
C	SUPT. OF CONSTR.: Charles Zagieboylo		DWG. NO. 736
D			
E	DEPUTY COMMISSIONER: Walter E. Buckley		
F	SIZE: 8½" x 14"	SCALE: 1" = 10'	DATE: 5-17-74

FILE NAME = D:\60X07-Sht-CDOT DEO Standard Details-01.dgn

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

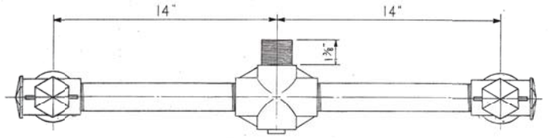
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	DRAWN -	REVISED -
PLOT SCALE = 1.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

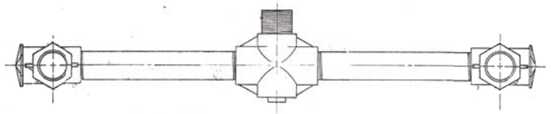
CHICAGO DEPARTMENT OF TRANSPORTATION
DEO STANDARD DETAILS

SCALE: NTS | SHEET NO. 2 OF 10 SHEETS | STA. | TO STA.

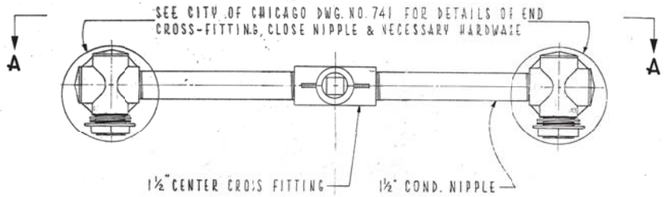
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	323
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		



TOP VIEW A-A

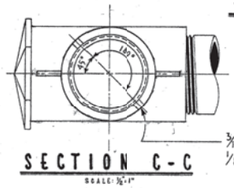


TOP VIEW B-B



FRONT VIEW

SCALE: 3/4"=1"



SECTION C-C

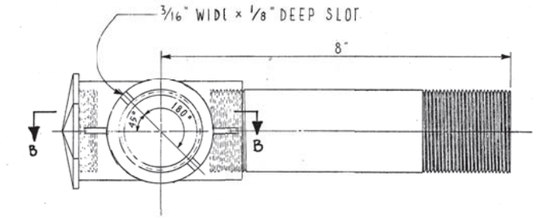
SCALE: 3/4"=1"

3/16" WIDE BY 1/8" DEEP SLOT

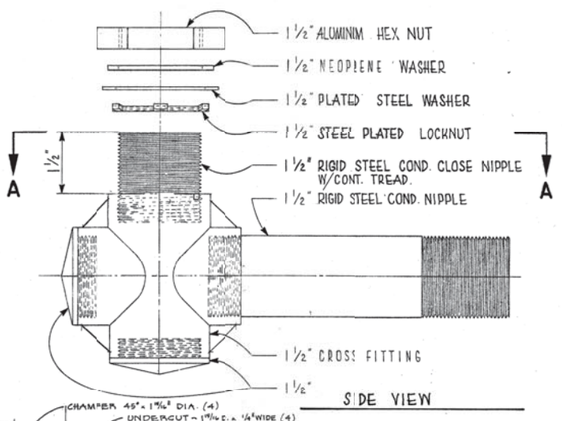
TRAFFIC SIGNAL UPPER & LOWER BRACKET ARM ASSEMBLY

CITY OF CHICAGO
DEPT. OF STREETS & SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELEC. ENGINEERING

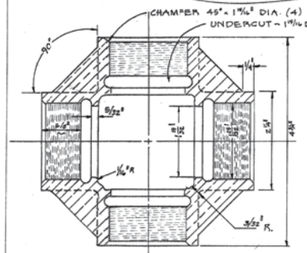
REVISED		DRAWN: E. GERULIS	CHECKED: D.C. / M.S.	ENGINEER: L. CUCCI
CHANGE TYPE TA CONDULET TO CENTER CROSS & DELETE CENTER CONDUIT	A 1-23-1981	ENG. OF ELEC. Thomas Wildhaff		DWG. NO. 740
	B	DEPT. OF CONST. Joseph Polender		
	C	DEPUTY COMM. Charles E. Bunkley		
	D	SIZE:	SCALE: AS NOTED	DATE: 8-21-74
	E			
	F			



TOP VIEW A-A



SIDE VIEW



SECTION B-B

TRAFFIC SIGNAL BRACKET ARM ASSEMBLY

CITY OF CHICAGO
DEPT. OF STREETS & SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELEC. ENGINEERING

REVISED		DRAWN: E. GERULIS	CHECKED: D.C. / M.S.	ENGINEER: L. CUCCI
DELETE SET SCREWS	A 1-23-11	ENG. OF ELEC. Thomas Wildhaff		DWG. NO. 741
ADDED SECTION B-B	B 12-6-80	DEPT. OF CONST. Joseph Polender		
	C	DEPUTY COMM. Charles E. Bunkley		
	D	SIZE:	SCALE: 1/2" = 1"	DATE: 8-21-74
	E			
	F			

FILE NAME = D1680X07-Sht-CDOT DEO Standard Details-82.dgn

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

USER NAME = ouyeungh	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO DEPARTMENT OF TRANSPORTATION
DEO STANDARD DETAILS

SCALE: NTS | SHEET NO. 3 OF 10 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	324
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		

PROPOSED	PRESENT	
⊙▻	●▻	SIGNAL, TRAFFIC 3 SECTION 1-WAY ADJUSTABLE, 12" OR AS NOTED
◁⊙▷	◀●▶	SIGNAL, TRAFFIC 3 SECTION 2-WAY ADJUSTABLE, 12" OR AS NOTED
✳	✳	SIGNAL OPTICALLY PROGRAMMED
DW	DW	SIGNAL, PEDESTRIAN, DON'T WALK/WALK
→	→	SIGNAL FACE ARROW, 12" COLOR AS NOTED
	Y G	SIGNAL FACE, 1 SECTION YELLOW/GREEN ARROW DUAL INDICATION
◎	⊙	PUSH BUTTON, PEDESTRIAN
		SIGN, ILLUMINATED, WITH MESSAGE OR SYMBOL AS INDICATED
		MAST ARM, MONOTUBE, STEEL. SIZE AS INDICATED (SEE DWG. #870)
		MAST ARM, TRUSS, ALUMINUM. SIZE AS INDICATED
		CONTROLLER, TRAFFIC SIGNAL. PEDESTAL OR BASE MOUNTED AS INDICATED
⊠	⊠	CONTROLLER, STREET LIGHTING. PEDESTAL OR BASE MOUNTED. (DWG. 876 or 880)
⊠	⊠	CONTROLLER, STREET LIGHTING. POLE MOUNTED (DWG. #11940)
	⊠	POLE. WOOD. COMMONWEALTH EDISON COMPANY, SERVICE
		POLE, CITY STEEL, ANCHOR BASE, 34'6",7 GA. 10" DIA. AND 15"B.C. 24"X7' FND. W/1¼" ANCHOR RODS DRG. #818.
		POLE, CITY STEEL, ANCHOR BASE, 34'-6", 3 GA. 10" DIA. AND 15" B.C. 24"X9' FND. W/1¼" ANCHOR RODS DRG. #818 (16',20'or 26'M.A.)
		POLE, CITY STEEL, ANCHOR BASE, 34"-6", 3GA., 11" DIA. AND 17¼" B.C. 30"X9' FND. W/1¼" ANCHOR RODS DRG. #816. (30' M.A.)
		POLE, CITY STEEL, ANCHOR BASE 34'-6", 3 GA. 12½" DIA. AND 16½"B.C. 30"X11' FND. W/1½" ANCHOR RODS DRG.#817. (35',40'or 44' M.A.)
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA. 10" DIA., WITH 3 GA. BAL. HSG. BASE AND 17¼" B. C. ON 30"X9' FND. W/ 11/4" ANCHOR RODS DRG. #816.
		POLE, CITY STEEL, ANCHOR BASE, 20',27'-6",29'-6", 7 GA. WITH STEEL BAL. HSG. BASE AND FND. W/10" D. B.C. AND 1" ANCHOR RODS DRG. #716.
		POLE, CITY STEEL, ANCHOR BASE, 20',27'-6",29'-6", 3 GA., WITH STEEL BAL. HSG. BASE AND FND. W/10" D. B.C. AND 1" ANCHOR RODS DWG.#719.
		POLE, CITY STEEL, ANCHOR BASE, 20',27'-6",29'-6" 7 GA., AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DWG. #11408B.
		POLE, CITY STEEL, ANCHOR BASE, 20',27'-6",29'-6" 3 GA.,AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DWG. #11408B.
		POLE , CITY STEEL, ANCHOR BASE, 32'-6", 7 GA., AND FND. WITH 11½" B.C. AND 1" ANCHOR RODS DWG. #753.
		POLE, CITY STEEL, ANCHR BASE, 32'-6", 3 GA., AND FND. WITH 11½" B.C. AND 1" ANCHOR RODS DWG. #753.
		POLE, CITY STEEL, ANCHOR BASE, 32'-6" 7 GA., ALUM. BHB AND FND. WITH 15" B.C.-24"X7' WITH 1" ANCHOR RODS DRG. #691.
		POLE, CITY STEEL, ANCHOR BASE, 32'-6", 3 GA., ALUM. BHB AND FND. WITH 15" B.C. 24"X 7' WITH 1" ANCHOR RODS DWG. #691.
		POLE, CITY ALUMINUM, WITH ROUND BAL. HSG. BASE, 25', 28', or 30' ON FND.WITH 14" B.C., ACQUIRED FROM CHICAGO PARK DISTRICT.
◉	◉	POLE, CITY STEEL, EMBEDDED, 4"X 9"X 35' 7 GA., TAPERED TUBULAR. (DWG. #658)
◉	◉	POLE, CITY STEEL, EMBEDDED, 4"X 9"X 35' 3 GA., TAPERED TUBULAR. (DWG. #658)
		POLE, CITY STEEL, EMBEDDED. (ACQUIRED FROM CTA)
	⊠	COLUMN, ELEVATED STRUCTURE
⌀	●	POLE, WOOD. (SIZE AS NOTED)
⌀	●	POLE, FOUNDATION WITH ELBOWS AS INDICATED.(SIZE AS NOTED)
○	●	POLE, ORNAMENTAL OR OTHER, AS INDICATED ON THE PLANS

PROPOSED	PRESENT	
H	H	HANDHOLE, HEAVY DUTY, 36" I.D. (DWG.#866)
○	○	HANDHOLE, CIRCULAR WITH 24"FRAME & COVER,30"I.D. (#867)
⬚	□	MANHOLE, CITY 3'X4'X4' DWG. #729 or 730; 4'X6'X6' DWG. #732or 733.
◿	◿	FOUNDATION, CONTROLLER OR PEDESTAL, 13" B.C.,20"X5' (DWG. #709)
▭	▭	FOUNDATION, TRAFFIC CONTROLLER DWG. #854. F.A. TERMINAL FND. DWG. #11972
P	P	FOUNDATION, TRAFFIC TYPE "P", BASE MOUNT. (DWG. #888)
⬭	⬭	FOUNDATION,CONTROLLER STREET LIGHT ,SPECIAL, 100A & 200A. (DWG.#876 & # 880)
▨	◣	FOUNDATION, TRANSCLOSURE; TRANSCLOSURE HOUSING. (DWG.# 583 & #891)
⊠	▬	CONTROLLER,UNDERPASS LIGHTING 120V. & 240V. (DWG. #860 & #861)
	E	MANHOLE, UTILITY, E=COMMONWEALTH EDISON; T=ILL.BELL TEL.; G=PEOPLES GAS; W=CITY WATER; P=PKGO PARK DISTRICT; CTA=C.T.A; S= SEWER
J	⌀	JUNCTION BOX, IN PAVEMENT (DWG. #815)
▨	▨	DETECTOR LOOP IN PAVEMENT
		CONDUIT or P.V.C., NUMBER,SIZE & TYPE. (AS NOTED)
2D	2D	CONDUIT or P.V.C. ENCASED IN CONCRETE. (SECTION or NUMBER OF CONDUIT INDICATED
		LUMINAIRE, H.P.S.V. 400W LAMP, 240V, SEMI-CUTOFF
		LUMINAIRE, H.P.S.V. 400W LAMP, 240V, CUTOFF
⊗	⊗	LUMINAIRE, H.P.S.V. 310W LAMP, 240V
		LUMINAIRE, H.P.S.V. 310W LAMP 240V, CUTOFF
		LUMINAIRE, H.P.S.V. 150W LAMP, 240V
		LUMINAIRE, H.P.S.V. 150W LAMP, 120V
		LUMINAIRE, H.P.S.V. 250W LAMP, 120V, (ALLEY LIGHT)
	⊕	LUMINAIRE, H.P.S.V. 250W LAMP, 120V
T	T	TERMINAL, CABINET F.A. & P.C.
F	F	FIRE ALARM BOX, MOUNTED
F	F	FIRE ALARM BOX, POLE MOUNTED
PR	PR	CABLE, TRAFFIC SIGNAL, COMMUNICATION, 1-PAIR #14 SHIELDED, IN CONDUIT
2	2	CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2/C- #4, 600 V. EPR. IN CONDUIT
III	III	CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2 1/C-#2 or #1/0 600V. EPR IN CONDUIT
II	II	CABLE, TRAFFIC SIGNAL POWER SUPPLY, 2/C-#10 or #6, 600V NSRI, IN CONDUIT
VII	VII	CABLE, TRAFFIC SIGNAL, 7/C-#12 or #14, 600V, EPR IN CONDUIT
X	X	CABLE, TRAFFIC SIGNAL, 10/C-#12 or #14, 600V, EPR IN CONDUIT
XIV	XIV	CABLE, TRAFFIC SIGNAL, 14/C-#12 600V. EPR IN CONDUIT
XIX	XIX	CABLE, TRAFFIC SIGNAL, 19/C-#12 or #14, 600V, EPR IN CONDUIT
2N	2N	CABLE, STREET LIGHT, 2 1/C-#6, 600V. RINS IN PARKWAY
2NC	2NC	CABLE, STREET LIGHT, 2 1/C-#6, 600V. RINS IN CONDUIT
3TC	3TC	CABLE, STREET LIGHT, 2 1/C-#6 EPRN 600V. & 1 1/C-#8 GREEN, TRIPLEXED,IN CONDUIT
3NC	3NC	CABLE, STREET LIGHT, 3 1/C-#1/0, or #2/0, or #4, 600V. EPR IN CONDUIT
2W	2W	WIRE, STREET LIGHT, 2 1/C-#6, HDNS. AERIAL
3W	3W	WIRE, STREET LIGHT, 2 1/C-#6 & 1 1/C #8, HDNS. AERIAL
III	III	CABLE, STREET LIGHT AERIAL, 3 1/C-#4 or #2 SELF SUPPORTING, 600V EPR
W FA	W FA	WIRE, F.A. & P.C. AERIAL, 1/C-#10, NUMERAL DENOTES QUANTITY
PR	PR	CABLE, F.A. & P.C. AERIAL, W/ MESSENGER #19-(NUMBER OF PAIRS AS INDICATED)
6 PR	6 PR	CABLE, F.A. & P.C. AERIAL, SELF SUPPORTING, #19-(NUMBER OF PAIRS AS INDICATED)
37 PR	37 PR	CABLE, F.A. & P.C., IN CONDUIT, #19-(NUMBER OF PAIRS AS INDICATED)
		DOWNLIGHT ASSEMBLY. (DWG. #850)
		LIGHT, TRAFFIC SAFETY ISLAND
		FLASHING BEACON & DOWNLIGHT

ORNAMENTAL LUMINAIRES

PROPOSED	EXISTING		
		310W PENDANT	(240V)
		400W PENDANT	(240V)
		250W PENDANT	(240V)
		150W ACORN	(120V)
		150W ACORN	(240V)
		50W ACORN	(240V)
		100W ACORN	(240V)
		150W GLOBE	(240V)
		100W GLOBE	(240V)
		50W GLOBE	(240V)

C	04-01-02	REVISED/REDRAW R.POOL/B.I.
B	12-4-01	ADDED ORNAMENTAL SYMBOLS
A	8-6-96	REDRAWN
DATE		REVISION

STANDARD CODE FOR TRAFFIC SIGNALS/ STREET LIGHTING

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN:	CHIEF DRAFTSMAN:	ENGINEER:
R. IVY	R. CARTER	R. POOL/R.C/W.T.
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO.
ENGINEER OF ELECTRICITY:		826
GEN'L SUPT. OF CONSTRUCTION:		
DEPUTY COMMISSIONER:		
SIZE: 22"| 36"	SCALE:	DATE:

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

USER NAME = auyeungh	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO DEPARTMENT OF TRANSPORTATION
DEO STANDARD DETAILS

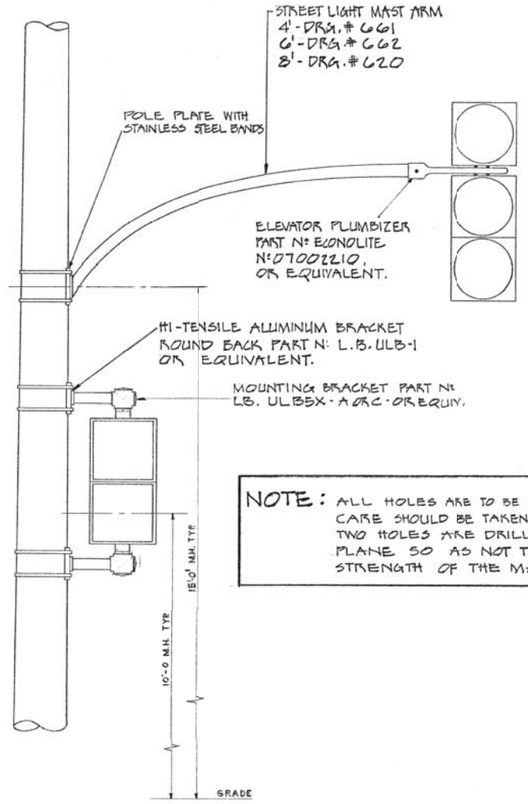
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	325
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

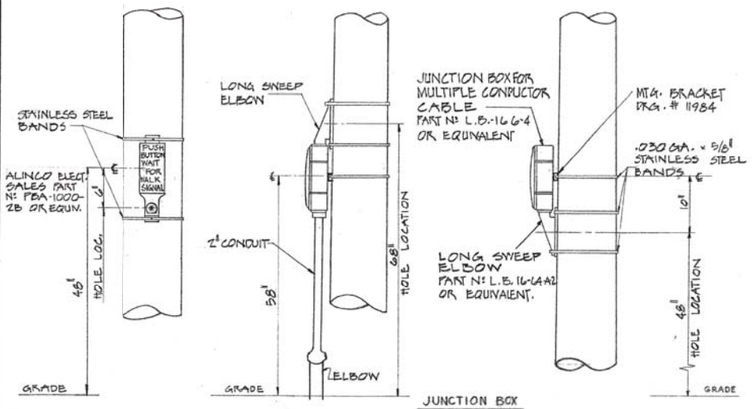
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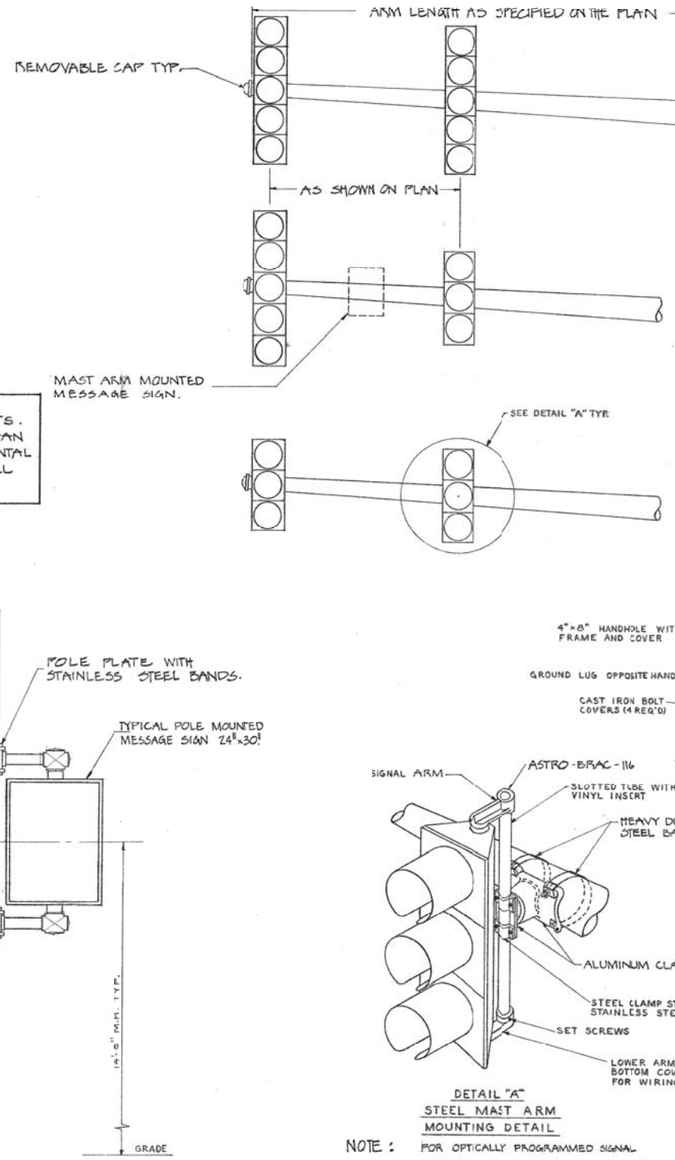
APPROVED AS WORKING PLAN
BY
REVISIONS OF WORKING PLAN

FEDERAL-AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FHWA REG. NO.	ILLINOIS	PROJECT		

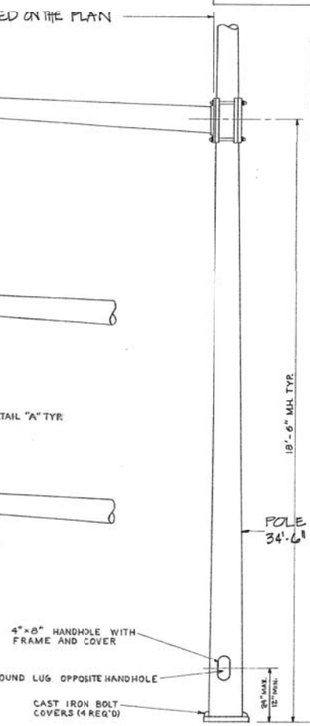


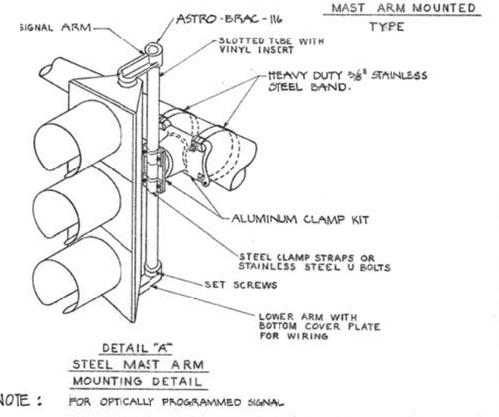
NOTE: ALL HOLES ARE TO BE DRILLED IN POLES OR POSTS. CARE SHOULD BE TAKEN TO SEE THAT NO MORE THAN TWO HOLES ARE DRILLED IN THE SAME HORIZONTAL PLANE SO AS NOT TO WEAKEN THE OVERALL STRENGTH OF THE MATERIAL.





NOTE: OVERHEAD SIGNALS SHALL HAVE A MINIMUM CLEARANCE OF 15'-0" ABOVE PAVEMENT GRADE.





NOTE: FOR OPTICALLY PROGRAMMED SIGNAL LONGER SIGNAL ARMS REQUIRED. (ASTRO-BRAC AB-103)

A	DATE	REVISION

WORK ORDER NO. _____ DATE _____

COST ALLOCATION ACCOUNT _____

APPROPRIATION ACCOUNT { MATERIAL _____ LABOR _____

TYPICAL TRAFFIC SIGNAL MOUNTING DETAILS

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: K. Fitzgerald	CHIEF DRAFTSMAN: RJS	ENGINEER: M. DeBartolo
SUPERVSING ENGINEER:	ELECT. DESIGN. ENGR.: R. J. Martin	DWG. NO. 834
ENGINEER OF ELECTRICITY: Michael J. Sheridan		
GENL. SUPT. OF ELECTRICITY: Preston N. Lee		
DEPUTY COMMISSIONER: Frank L. Fitzpatrick		
SIZE:	SCALE: N.T.S.	DATE: 12-10-84

FILE NAME = D1680#07-Sht-CDOT DEO Standard Details-84.dgn

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

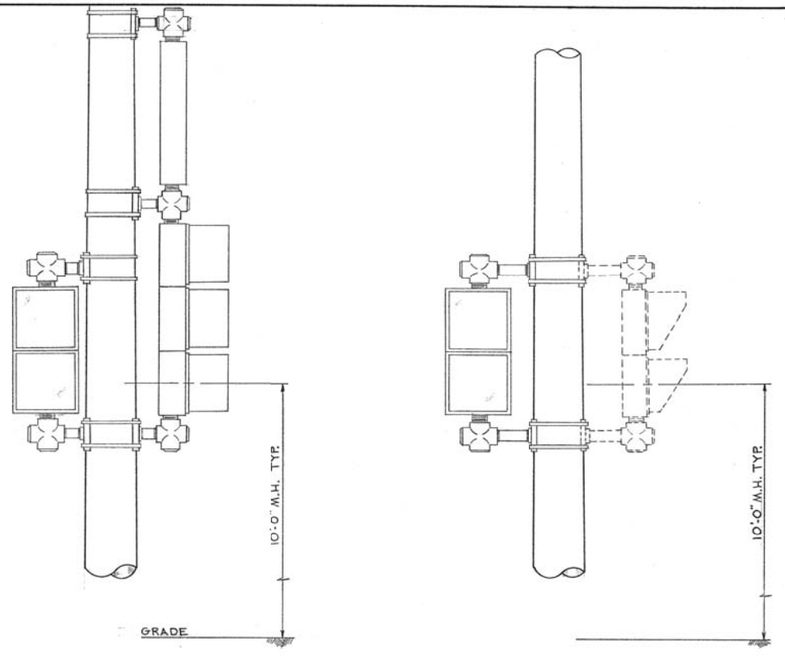
USER NAME = auyeungh	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

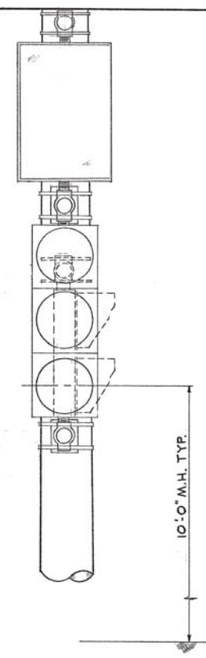
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

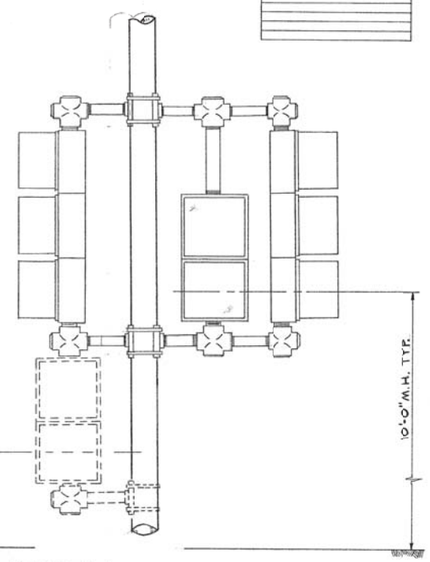
CHICAGO DEPARTMENT OF TRANSPORTATION
DEO STANDARD DETAILS

SCALE: NTS | SHEET NO. 5 OF 10 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	326
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

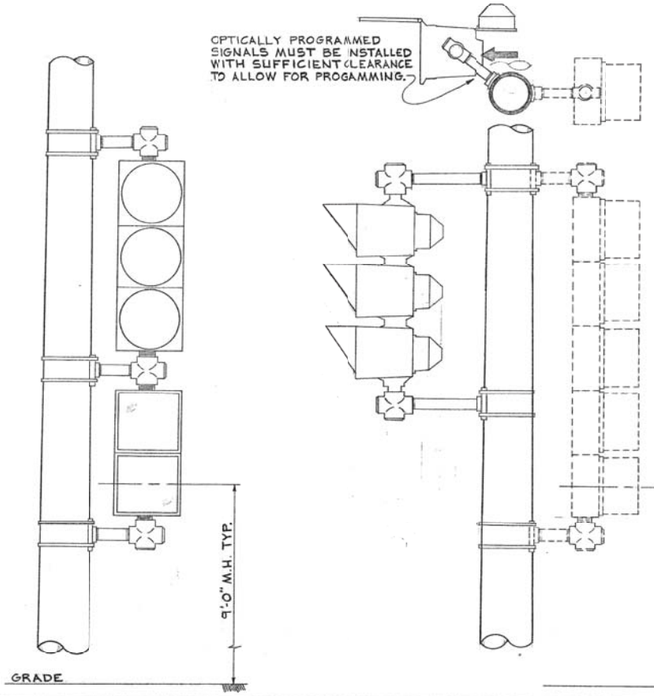


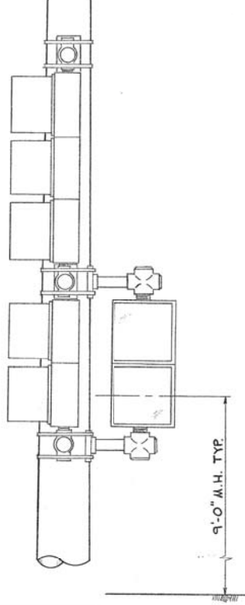


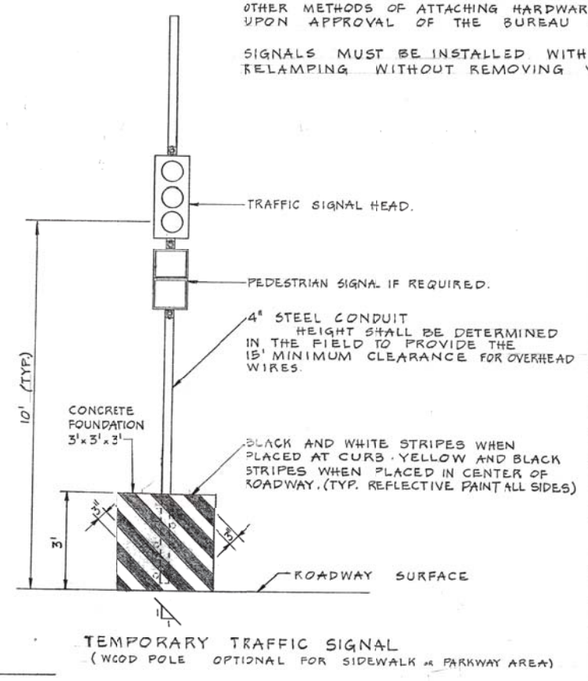


NOTE:
OTHER METHODS OF ATTACHING HARDWARE FOR SIGNAL HEADS MAY BE USED UPON APPROVAL OF THE BUREAU OF ELECTRICITY.

SIGNALS MUST BE INSTALLED WITH ADEQUATE CLEARANCE FOR RELAMPING WITHOUT REMOVING VISOR OR ROTATING SIGNAL.







TEMPORARY TRAFFIC SIGNAL
(WOOD POLE OPTIONAL FOR SIDEWALK OR PARKWAY AREA)

APPROVED AS WORKING PLAN					
BY					
REVISIONS OF WORKING PLAN					
FEDERAL AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FHWA REG. NO.	ILLINOIS	PROJECT			

DATE	REVISION
A 3-5-93	ADDED TEMP. SIGNAL DETAIL

WORK ORDER NO. _____ DATE _____
COST ALLOCATION ACCOUNT _____
APPROPRIATION ACCOUNT { MATERIAL _____ / LABOR _____

TYPICAL TRAFFIC SIGNAL MOUNTING DETAILS

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: W. TEOMPKA	CHIEF DRAFTSMAN: R.A.S.	ENGINEER: M. DeBARTOLO
SUPERVISING ENGINEER:	ELECTRICIAN ENGR. R. Mark	DWG NO. 835
ENGINEER OF ELECTRICITY: Michael J. Shine		
GEN. SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 22 | 36	SCALE: NONE	DATE: 12-10-84

FILE NAME = D160X07-Sht-CDOT DEO Standard Details-05.dgn

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

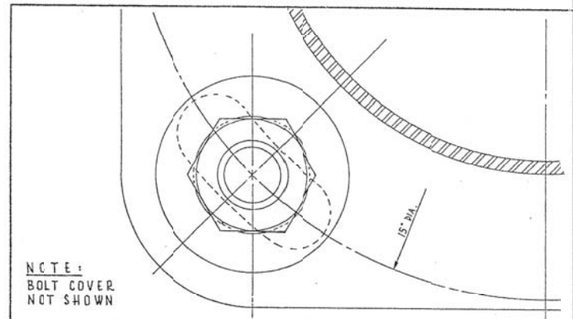
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	DRAWN -	REVISED -
PLOT SCALE = 1.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO DEPARTMENT OF TRANSPORTATION
DEO STANDARD DETAILS

SCALE: NTS | SHEET NO. 6 OF 10 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	327
		CONTRACT NO. 60X07		
		ILLINOIS FED. AID PROJECT		



NOTE:
BOLT COVER
NOT SHOWN

INSTALLATION NOTES

STEP 1 COAT EXPOSED PORTION OF ANCHOR BOLTS WITH APPROVED ANTI RUSTING GREASE ("NO-OX" OR EQUAL).

STEP 2 INSTALL LOWER LEVELLING NUTS & WASHERS. SET AT PROPER GRADE WITH HAND LEVEL, USE TABLE FOR APPROPRIATE DIMENSIONS.

STEP 3 MOUNT POLE OR PEDESTAL, ATTACH TOP WASHERS & NUTS HAND TIGHT.

STEP 4 PLUMB POLE OR PEDESTAL AFTER ALL MASTARMS, STREET LIGHTS, TRAFFIC SIGNALS & OTHER APPURTENANCES ARE ATTACHED TO POLE & TIGHTEN ALL NUTS.

STEP 5 ATTACH NUT COVERS WHERE REQUIRED.

STEP 6 DO NOT GROUT IN SPACE BETWEEN BOTTOM OF POLE & TOP OF FOUNDATION. TOP OF FOUNDATION OR SURFACE OF SIDEWALK MUST BE LEFT CLEAN AND SMOOTH.

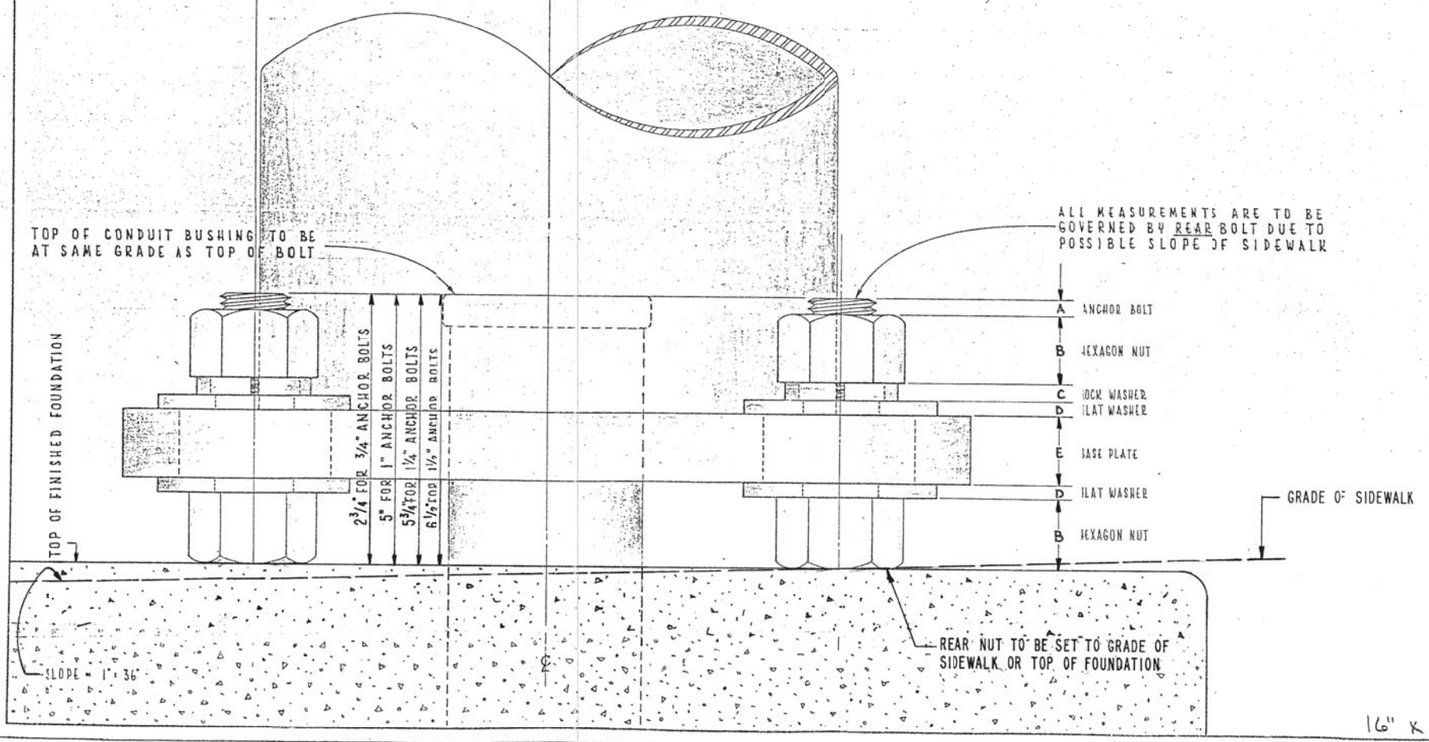
STEP 7 POLE OR PEDESTAL IS TO BE PERFECTLY PLUMB, NO "RAKE" IS TO BE LEFT. .

IF NECESSARY:
ANCHOR BOLT TO BE TRIMMED WITH SAW. DO NOT BURN, AS THIS DRASTICALLY REDUCES THE TENSILE STRENGTH OF ANCHOR BOLT.

COAT ANCHOR BOLT WITH RUST-OLEUM HARD HAT ZINC RICH COMPOUND.

TABLE

UNIT	ANCHOR BOLT SIZE						
	1"		1 ¼"		1 ½"		¾"
	POLE GAUGES						ALUM. PED.
	7 GA.	3 GA.	7 GA.	3 GA.	7 GA.	3 GA.	
A	7/16"	7/16"	1⅛"	1⅝"	1⅛"	⅞"	¾"
B	1"	1"	1¼"	1½"	1½"	1½"	¾"
C	¼"	¼"	5/16"	5/16"	⅜"	⅜"	3/16"
D	5/32"	5/32"	¼"	¼"	¼"	¼"	5/32"
E	1"	1"	1¼"	1½"	1½"	1¾"	⅝"



16" X 21"

CONSTRUCTION METHOD FOR "DOUBLE-NUT" INSTALLATION OF POLES AND PEDESTALS

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: EUGENE GERULIS	CHIEF DRAFTSMAN: E. J. S.	ENGINEER: M. J. S.
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO. 837
ENGINEER OF ELECTRICITY: Maurice A. Shine, GEN'L. SUPT. OF ELECTRICITY		
DEPUTY COMMISSIONER: Robert C. Kenny		
SIZE: 22 | 36 | 1	SCALE: 1" = 1"	DATE: 6-7-85

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

USER NAME = auyeungh	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

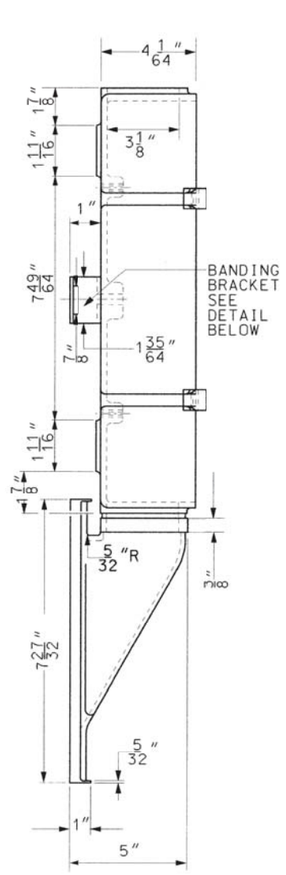
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

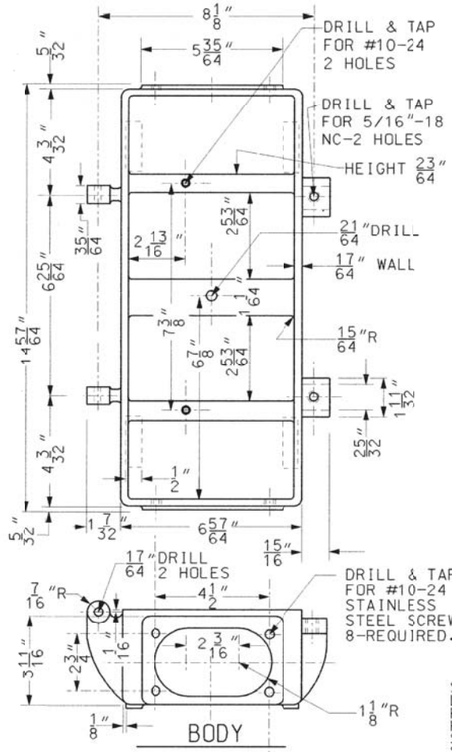
CHICAGO DEPARTMENT OF TRANSPORTATION
DEO STANDARD DETAILS

SCALE: NTS | SHEET NO. 7 OF 10 SHEETS | STA. | TO STA.

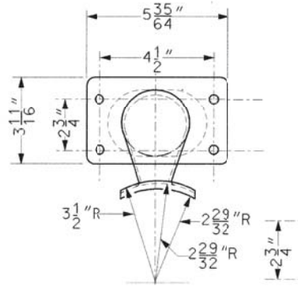
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	328
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

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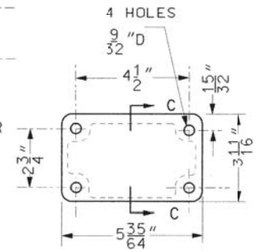




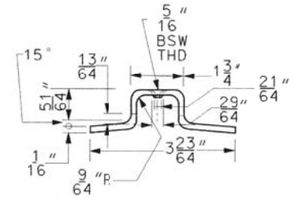
BODY



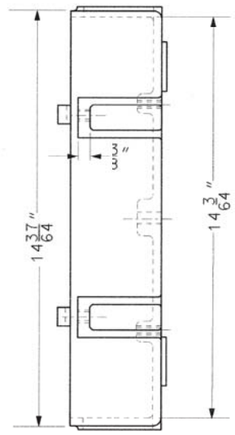
ELBOW

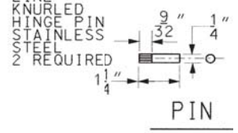


TOP PLATE



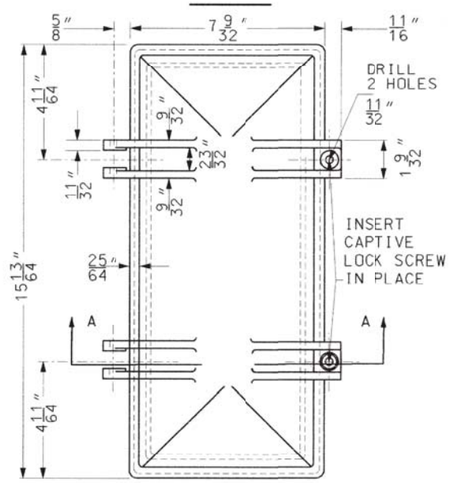
BANDING BRACKET

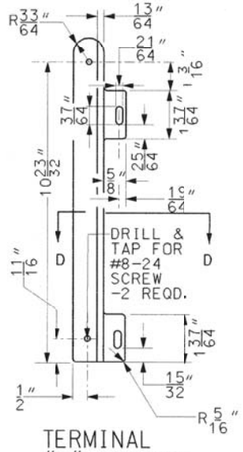




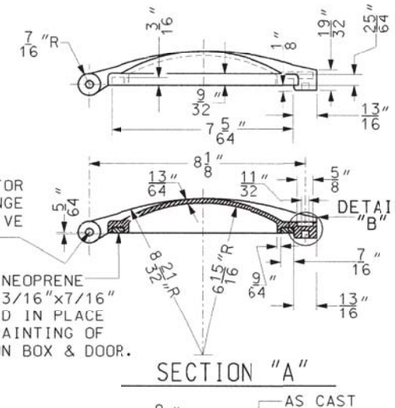
PIN

DOOR

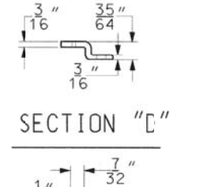




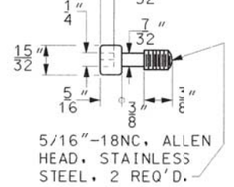
TERMINAL "Z" BRACKET



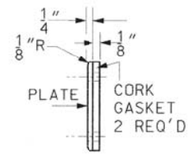
SECTION "A"



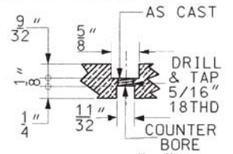
SECTION "D"



LOCK SCREW



SECTION "C"



DETAIL "B"

MATERIALS

BODY, DOOR, ELBOW & PLATE: CAST ALUMINUM ALLOY. TERMINAL MTG. BRACKET: ALUMINUM ALLOY.
SCREWS, HINGE PINS, BANDING BRACKET: STAINLESS STEEL.
CORK GASKET 1/8" THICK, TO BE FURNISHED BETWEEN FLAT PLATE AND BODY

SPONGE NEOPRENE GASKET $14\frac{51}{64}$" x $7\frac{5}{64}$" x $\frac{7}{16}$", TO BE FURNISHED BETWEEN DOOR AND BODY

SUPERSEDES DWG. # 832 DATED 5-1-85

JUNCTION BOX FOR TRAFFIC SIGNAL & FIRE ALARM

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN:	CHIEF DRAFTSMAN:	ENGINEER
O. LETAMENDI	R.C.	O. LETAMENDI

SUPERVISING ENGINEER: ELEC. DESIGN ENGR.

ENGINEER OF ELECTRICITY:

GENL. SUPT. OF ELECTRICITY:

COMMISSIONER:

DWG. NO. 954

SIZE: 16" | 21" SCALE: NONE DATE: 5-3-02

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

USER NAME = auyeungh	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

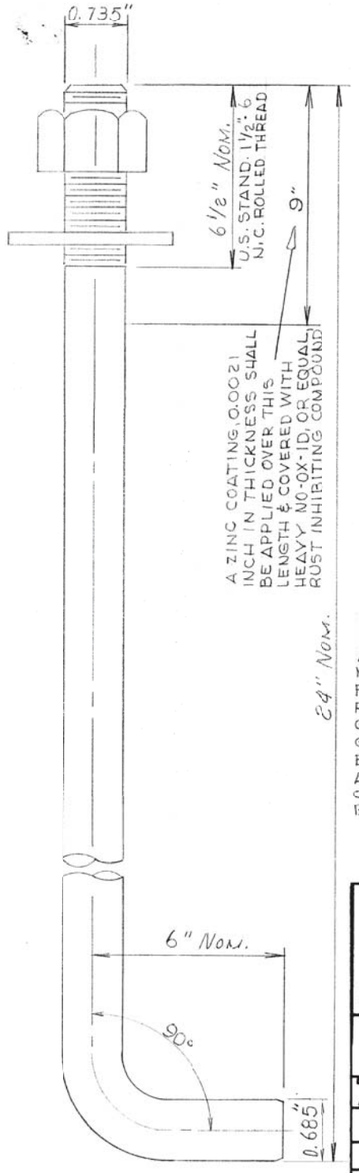
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

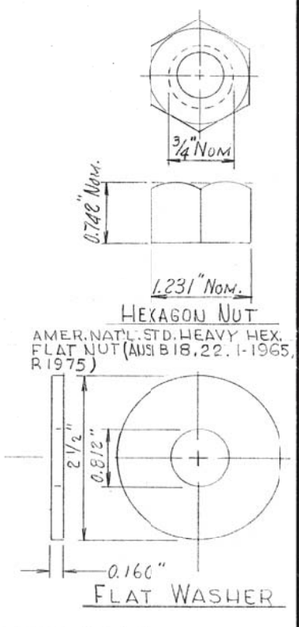
CHICAGO DEPARTMENT OF TRANSPORTATION
DEO STANDARD DETAILS

SCALE: NTS | SHEET NO. 8 OF 10 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	329
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FILE NAME = D:\60X07-Shr-CDOT DEO Standard Details-07.dgn





HEXAGON NUT

AMER. NAT'L. STD. HEAVY HEX. FLAT NUT (ANSI B18.22.1-1965, R1975)

FLAT WASHER

MATERIAL

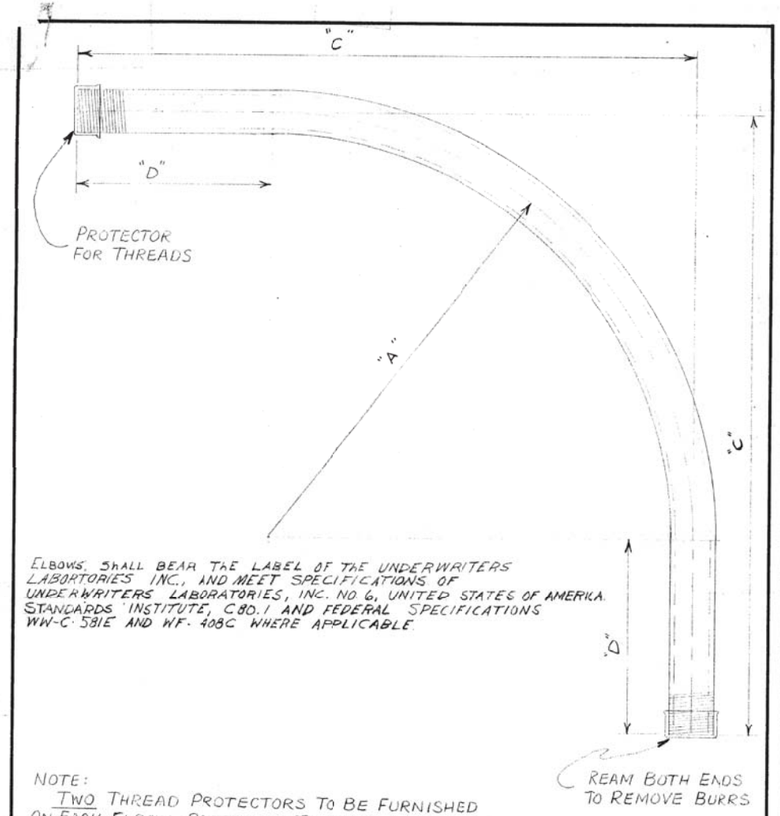
A.S.T.M. A-36 MODIFIED STEEL, 55,000 LBS MINIMUM YIELD. HARDWARE TO BE FURNISHED & ATTACHED IN PLACE ON ROD FOR SHIPPING; 1 HEX NUT, HEAVY GALV. 1 1/2". 1 WASHER, STEEL, ROUND GALV., TYPE "B", SERIES "W", 1 1/2" BOLT & NUT SHALL HAVE AN AMERICAN STANDARD CLASS 2 OR 3 FIT. (NUT IS TAPPED OVERSIZE BY 1/32")

3/4" x 30"
STEEL ANCHOR ROD
COMMODITY CODE 37-8180-0130

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAWN	CHECKED	ENGINEER
RESPINO	R.J.S.	A. DUKELSKY
Michael J. Shine		DRG. NO. 844
ENGINEER OF ELECTRICITY		
GEN'L. SUPT. OF ELECTRICITY		
SIZE 8 1/2 x 14	SCALE	DEPUTY COMM. DATE 10-31-85

CENTURY BLUEPRINT 1000H



ELBOWS SHALL BEAR THE LABEL OF THE UNDERWRITERS LABORATORIES INC., AND MEET SPECIFICATIONS OF UNDERWRITERS LABORATORIES, INC. NO 6, UNITED STATES OF AMERICA STANDARDS INSTITUTE, C80.1 AND FEDERAL SPECIFICATIONS WW-C-581E AND WF-408C WHERE APPLICABLE.

NOTE:
TWO THREAD PROTECTORS TO BE FURNISHED ON EACH ELBOW, PROTECTOR TO COVER A MINIMUM OF TEN THREADS.

TABLE OF DIMENSIONS

CONDUIT SIZE	DIMENSIONS "A"	"C"	"D"	COMMODITY CODE
1 1/4"	24"	35"	11"	09-4001-0510
1 1/2"	24"	35"	11"	09-4001-0520
2"	24"	35"	11"	09-4001-4126
2 1/2"	24"	35"	11"	09-4001-4128
3"	24"	35"	11"	09-4001-4230
4"	24"	35"	11"	09-4001-0000

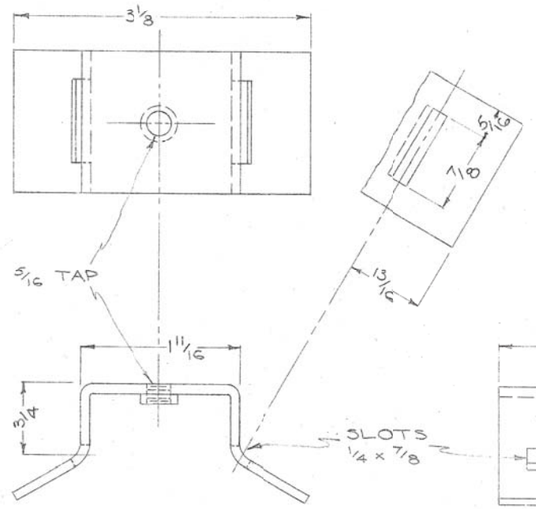
REVISED	
B	SPECIFICATIONS REVISED
A	REVISED DIMENSIONS ON 3" & 4" CONDUIT L.P.

ELBOW, CONDUIT, RIGID GALVANIZED STEEL, LARGE RADIUS

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

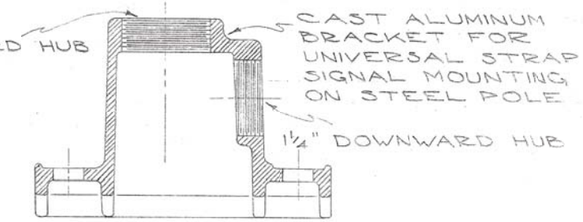
REVISED	DRAWN	CHECKED	ENGINEER
A 7-22-71	LON BURDY	M.S.	M. SHINE
B 4-3-79			DRG. NO. 11825
C	Roger P. Butler	HEAD IN CHARGE	
D	John Smith	SUPT. OF CONST.	
E		DEPUTY COMM.	
F	SIZE 8 1/2" x 14"	SCALE: 3/16"	DATE 6-2-71
G			

BANDING FITTING FOR POLE MOUNTING JUNCTION BOX



MATERIAL: STAINLESS STEEL - 4 13/16 x 1 1/2 x 3/32

BANDING FITTING FOR POLE MOUNTING SIGNALS



MATERIAL: CAST ALUMINUM

CROUSE HINDS
TL-3301 - WITHOUT DOWNWARD HUB
TL-3302 WITH 1 1/4" DOWNWARD HUB

BANDING FITTINGS FOR POLE MOUNTING TRAFFIC SIGNAL

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
DIVISION OF ELECTRICAL ENGINEERING

DRAWN	CHECKED	ENGINEER
S.NE		
Charles Saunders	SUPT. OF CONST.	DRG. NO. 11984
	DEPUTY COMM.	SIZE 8 1/2 x 14 11-14-57

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

USER NAME = auyeungh	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO DEPARTMENT OF TRANSPORTATION
DEO STANDARD DETAILS

SCALE: NTS | SHEET NO. 9 OF 10 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	330
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FILE NAME = D:\60X07-Sht-CDOT DEO Standard Details-08.dgn

· 7 CONDUCTOR - 7 POINT STRIP ·

7	COMMON WHITE	
6	WHITE BLK. TR.	E & W RED
5	BLACK - SOLID	" AMBER
4	BLUE - "	" GREEN
3	RED - "	N & S RED
2	ORANGE - "	" AMBER
1	GREEN "	" GREEN

· 14 CONDUCTOR - 10 POINT STRIP ·

10	COMMON WHITE
9	RED WHITE TRACER
8	ORANGE " "
7	GREEN " "
6	RED BLACK TRACER
5	ORANGE " "
4	GREEN " "
3	RED - SOLID
2	ORANGE - SOLID
1	GREEN - SOLID

GREEN BLUE TRACER
ORANGE " "
RED " "
BLACK - SOLID
} SPLICED & TAPED

· 22 CONDUCTOR - CODE ·
· 19/C CODE - OMIT #19 - #21 & #22 ·

1	WH	RED/BLACK TR. COMMON
2	WH	RED/GREEN TR. COMMON (SPARE)
3	R	BLACK TR. NO. BOUND
4	A	" " " "
5	G	" " " "
6	R	SOLIDS SO. BOUND
7	A	" " "
8	G	" " "
9	BK	" NEON OR ARROW
10	R	BLUE TR. EAST BOUND
11	A	" " " "
12	G	" " " "
13	R	WHITE TR. WEST BOUND
14	A	" " " "
15	G	" " " "
16	BL	SOLID — SPECIAL
17	BL	AMBER TR — "
18	BL	WHITE TR — "
19	WH	RED TR — "
20	WH	SOLID — "
21	WH	BLACK TR — "
22	BK	WHITE TR — "

· 10 CONDUCTOR - 7 POINT STRIP ·

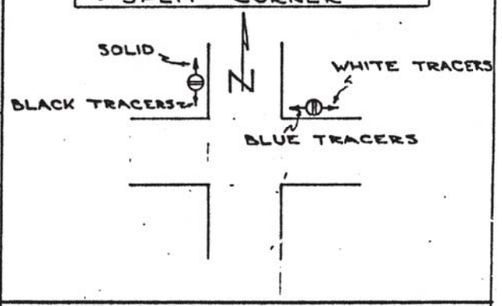
7	COMMON - WHITE	
6	RED BLK. TR.	E & W RED
5	ORANGE BLK. TR.	" AMBER
4	GREEN BLK. TR.	" GREEN
3	RED - SOLID	N & S RED
2	ORANGE - "	" AMBER
1	GREEN - "	" GREEN

SOLID BLUE
SOLID BLACK
BLUE BLK. TR
} SPLICED & TAPED

· 14 CONDUCTOR - 14 POINT STRIP ·

14	COMMON WHITE
13	BLACK
12	RED - BLUE TRACER
11	ORANGE - " "
10	GREEN " "
9	RED - WHITE TRACER
8	ORANGE - " "
7	GREEN - " "
6	RED - BLACK TRACER
5	ORANGE - " "
4	GREEN - " "
3	SOLID RED
2	SOLID ORANGE
1	SOLID GREEN

· SPLIT CORNER ·

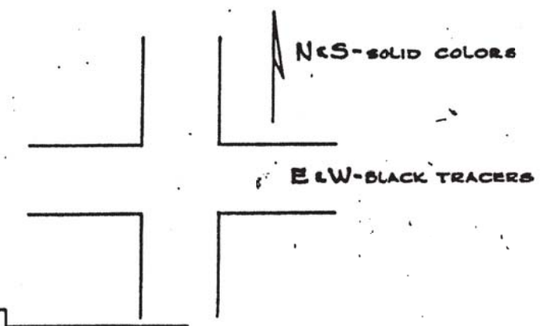


· 10 CONDUCTOR - 10 POINT STRIP ·

10	COMMON - WHITE	
9	BLUE BLK. TRACER #	
8	BLACK - SOLID #	
7	BLUE - SOLID #	
6	RED BLK. TRACER	E & W RED
5	ORANGE BLK "	" AMBER
4	GREEN BLK. "	" GREEN
3	RED - SOLID	N & S RED
2	ORANGE - SOLID	" AMBER
1	GREEN - SOLID	" GREEN

- SOLID BLUE - GREEN LIGHT
- SOLID BLACK - AMBER "
- BLUE BLACK TR. RED "
} IF USED

· STRAIGHT CORNER ·



NOTE:
CONDUCTORS FOR WALK SIGNALS & VARIOUS MESSAGE SIGNS AT DISCRETION OF INSTALLER

(30)

5

TRAFFIC CONTROL SIGNALS STRIP WIRING LAYOUT

REVISED	
A	5-4-61
B	11-10-64
C	
D	
E	
F	
G	

CITY OF CHICAGO
DEPT OF STREETS AND SANITATION
DIVISION OF ELECTRICAL OPERATION

DRAWN H.E.G. | CHECKED | ENGINEER C.C. Buckley
DEG. NO. 12268-A
ENG. IN CHARGE
SUPERINTENDENT
SIZE 16"x21" | COMMISSIONER
DATE 11-8-56

FILE NAME = D160X07-Sht-CDOT DEO Standard Details-09.dgn

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

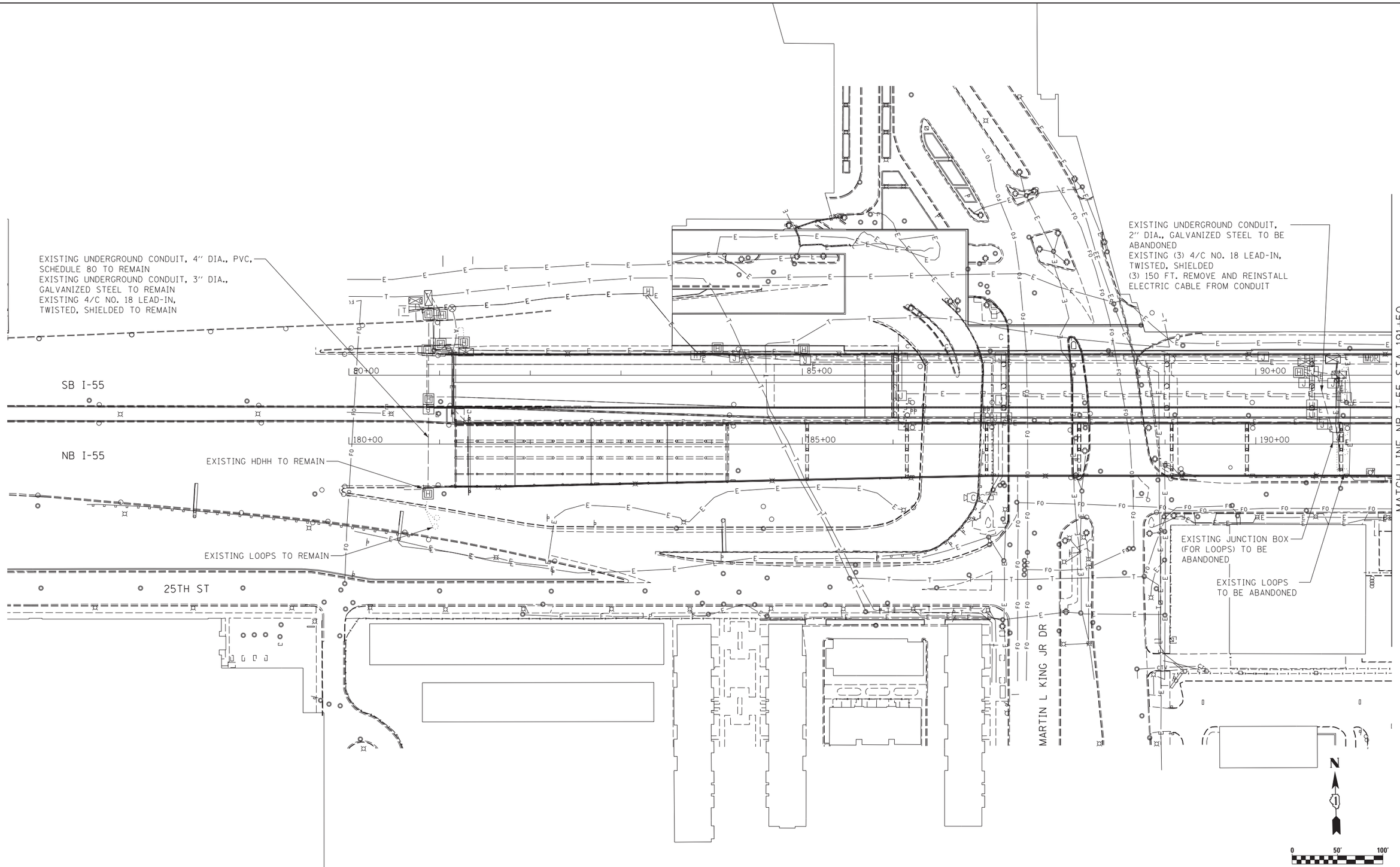
USER NAME = auyeungh	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO DEPARTMENT OF TRANSPORTATION
DEO STANDARD DETAILS

SCALE: NTS | SHEET NO. 10 OF 10 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	331
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		



ITS-01

FILE NAME = D:\608087-Sht-ITS-01_Existing.dgn

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

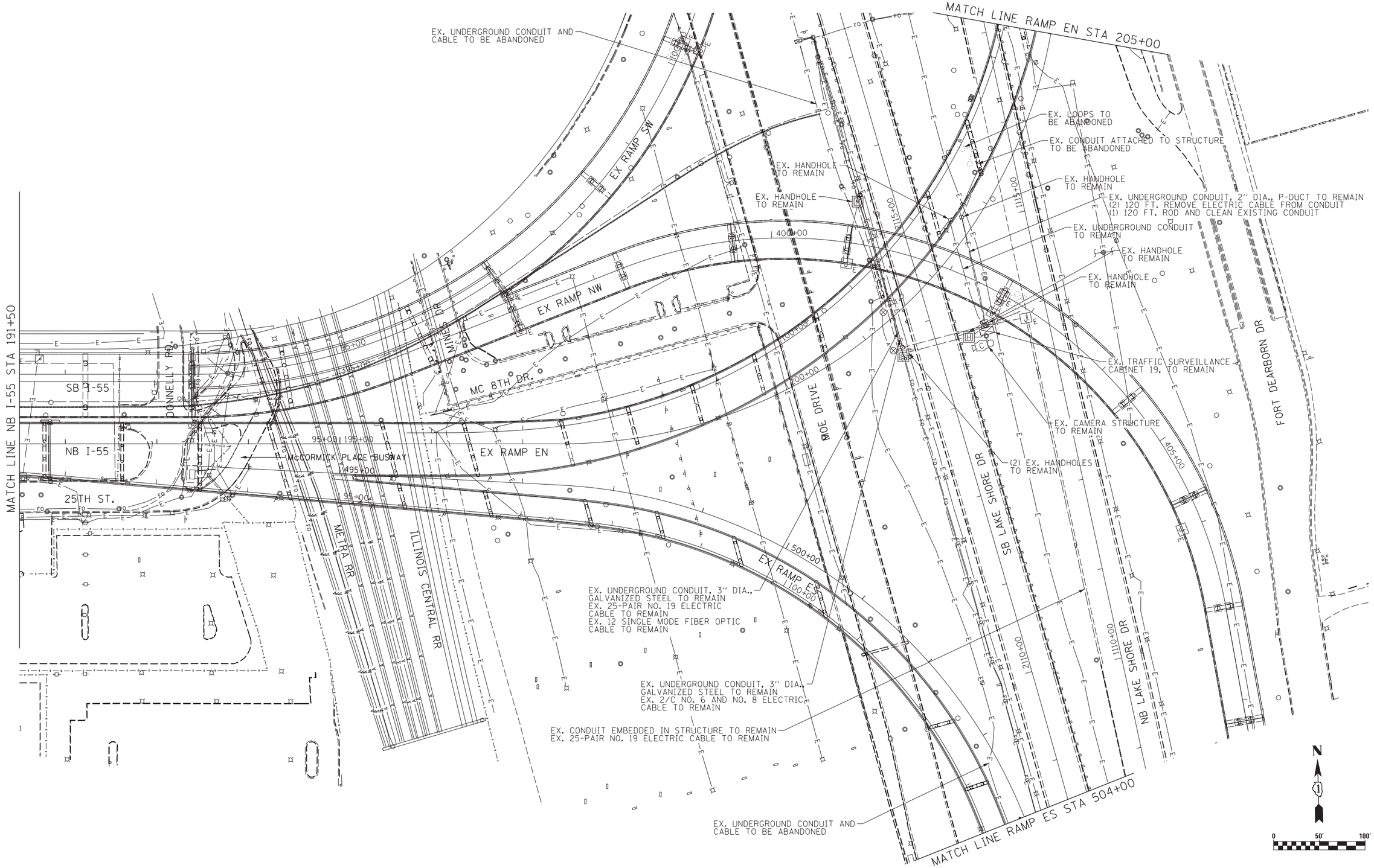
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PLOT SCALE = 50.0000 ' / in.	CHECKED - JDG	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING/REMOVAL ITS PLANS

SCALE: 1" = 50' | SHEET NO. 1 OF 18 SHEETS | STA. | TO STA. 191+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	332
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			



ITS-02

FILE NAME = D16BX07-Sht-ITS-02.Existing.dgn

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

USER NAME = ouyeungh	DESIGNED - GWS	REVISED -
	DRAWN - CAM	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - JDG	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING/REMOVAL ITS PLANS

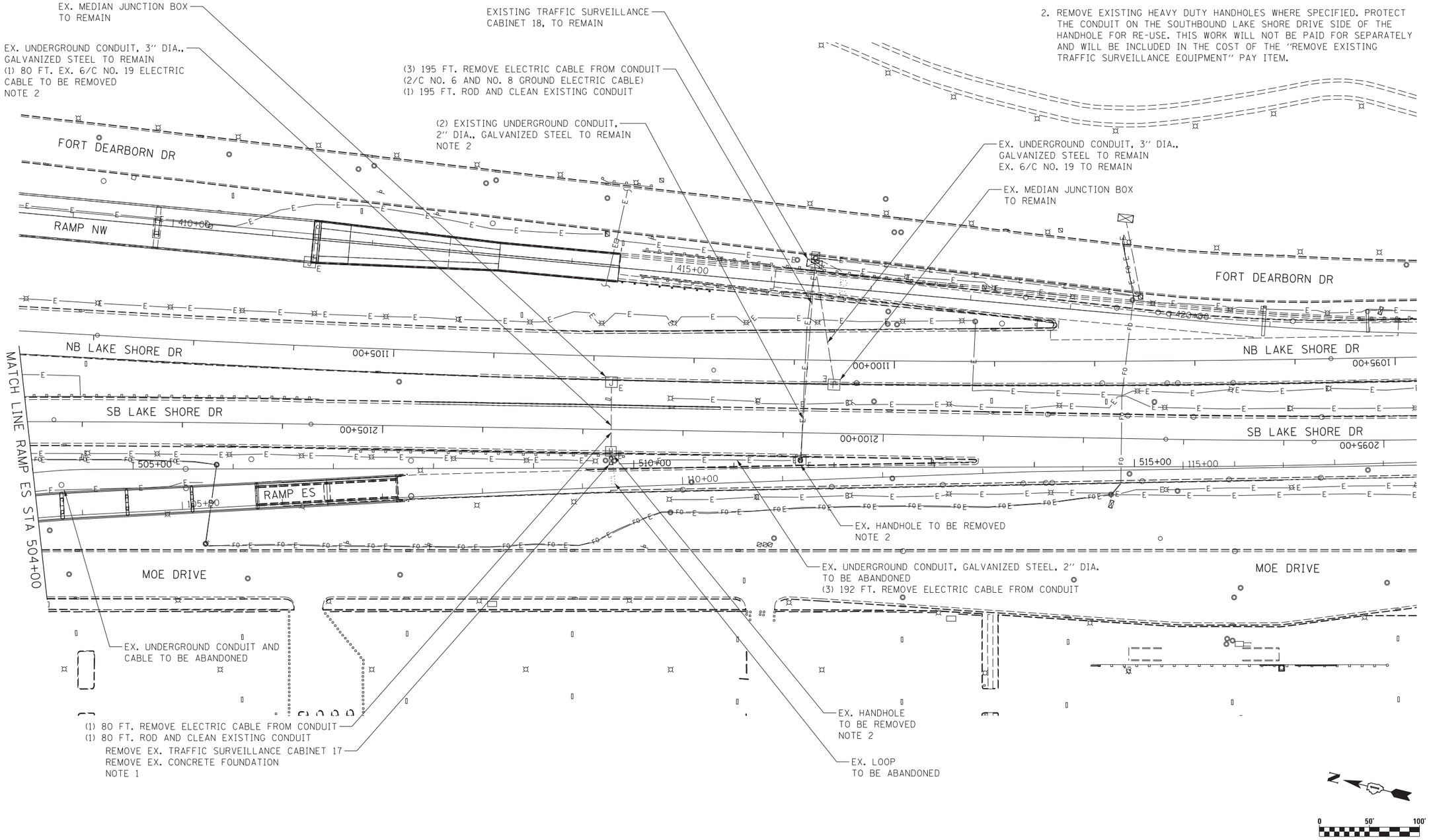
SCALE: 1" = 50' | SHEET NO. 2 OF 18 SHEETS | STA. 191+50 TO STA. 504+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	333
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		

NOTES

1. REMOVE EXISTING SURVEILLANCE EQUIPMENT (SALVAGE) AND TURN OVER TO IDOT DISTRICT 1. REMOVE EXISTING TRAFFIC SURVEILLANCE CABINET (NO SALVAGE). REMOVE EXISTING CONCRETE FOUNDATION. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT" PAY ITEM.

2. REMOVE EXISTING HEAVY DUTY HANDHOLES WHERE SPECIFIED. PROTECT THE CONDUIT ON THE SOUTHBOUND LAKE SHORE DRIVE SIDE OF THE HANDHOLE FOR RE-USE. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT" PAY ITEM.



ITS-03

FILE NAME = D160X07-Sht-ITS-03_Existing.dgn

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

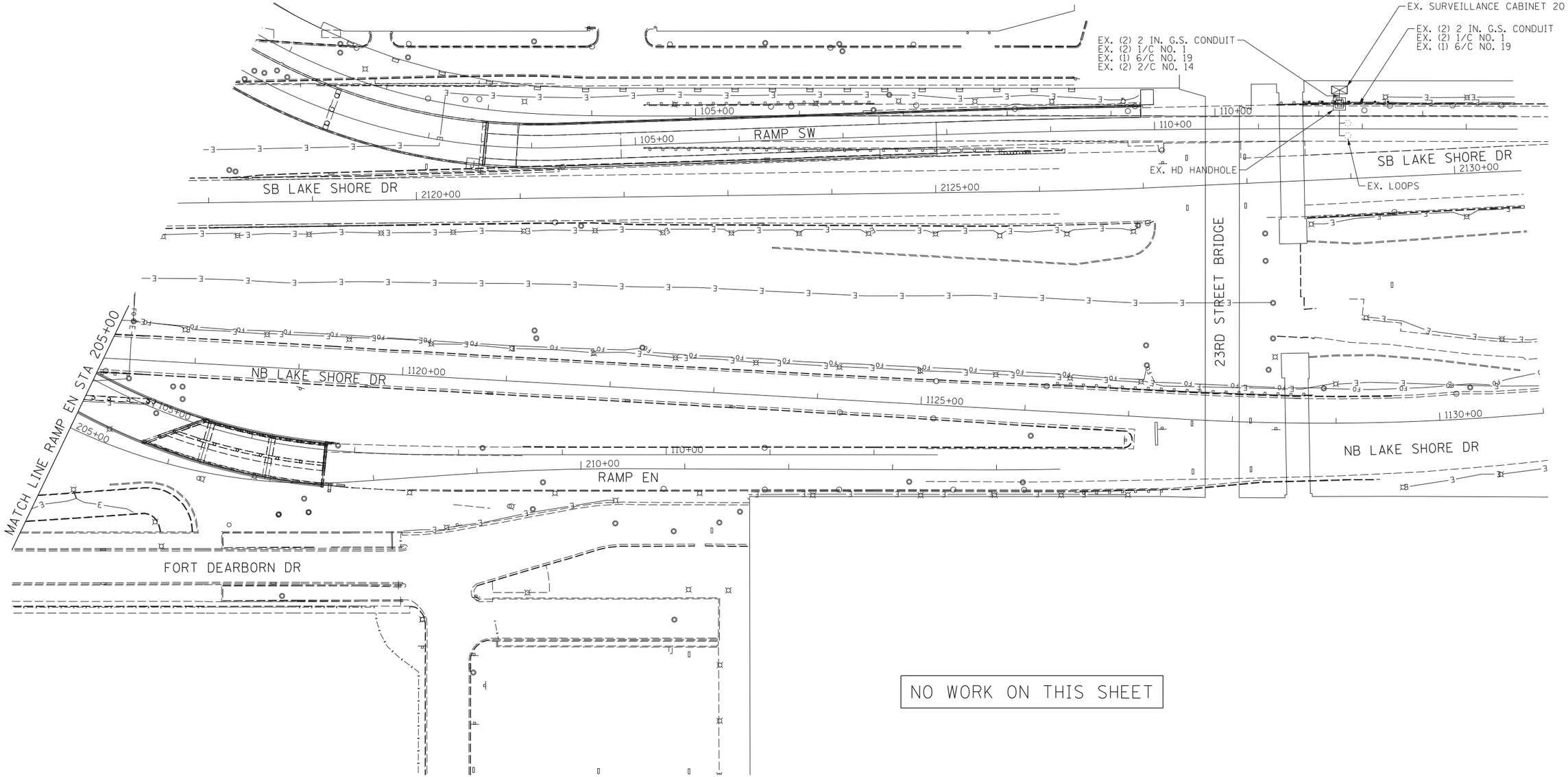
USER NAME = auyeungh	DESIGNED - GWS	REVISED -
	DRAWN - CAM	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - JDG	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING/REMOVAL ITS PLANS

SCALE: 1" = 50' | SHEET NO. 3 OF 18 SHEETS | STA. 504+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	334
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			



NO WORK ON THIS SHEET

0 50' 100'

ITS-04

FILE NAME = D160X07-Sht-ITS-04_Existing.dgn

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

USER NAME = auyeungh	DESIGNED - PFD	REVISED -
	DRAWN - CAM	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

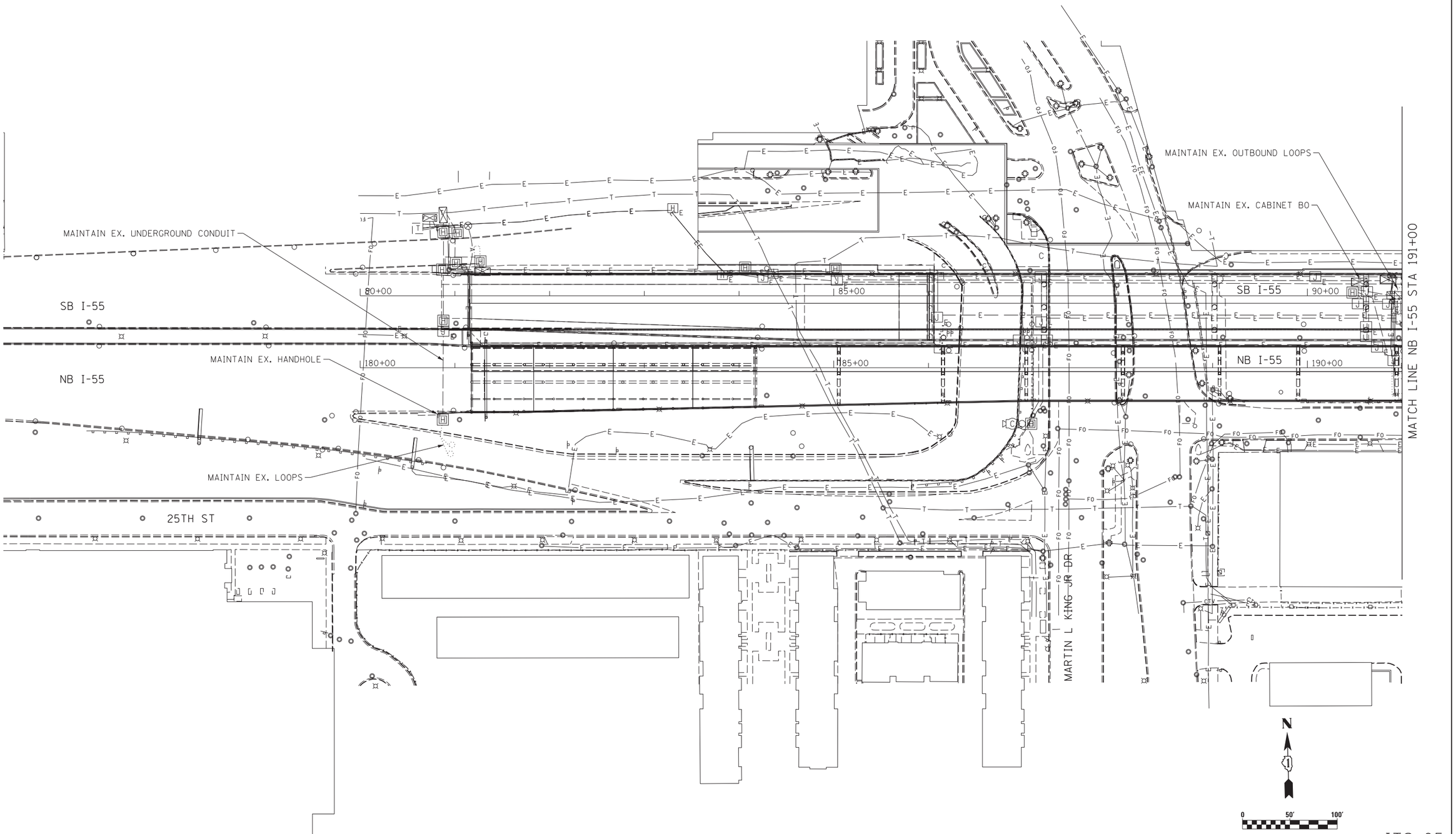
EXISTING/REMOVAL ITS PLANS

SCALE: 1" = 50' | SHEET NO. 4 OF 18 SHEETS | STA. 205+00 TO STA. 1131+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	335
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		

NOTES

1. ALL WORK SHOWN ON THIS SHEET WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.



ITS-05

FILE NAME = D1608X7-Snt-ITS-05-Maintaining.dgn

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

USER NAME = auyeungh	DESIGNED - GWS	REVISED -
	DRAWN - CAM	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - JDG	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

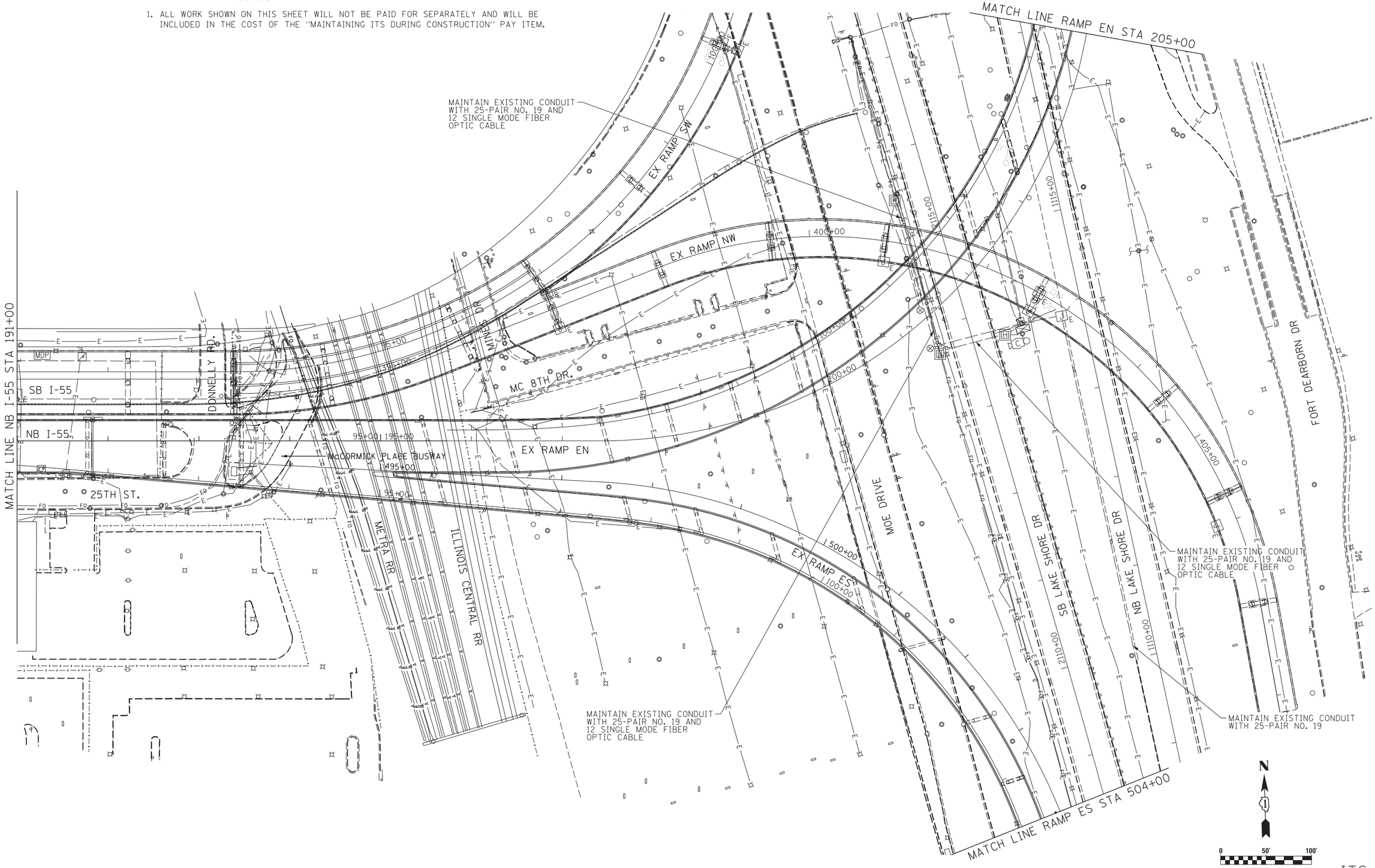
MAINTAINING ITS PLANS

SCALE: 1" = 50' | SHEET NO. 5 OF 18 SHEETS | STA. | TO STA. 191+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	336
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		

NOTES

1. ALL WORK SHOWN ON THIS SHEET WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.



ITS-06

FILE NAME = D16X07-Sht-ITS-06_Maintaining.dgn

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

USER NAME = auyeungh	DESIGNED - GWS	REVISED -
	DRAWN - CAM	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - JDG	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

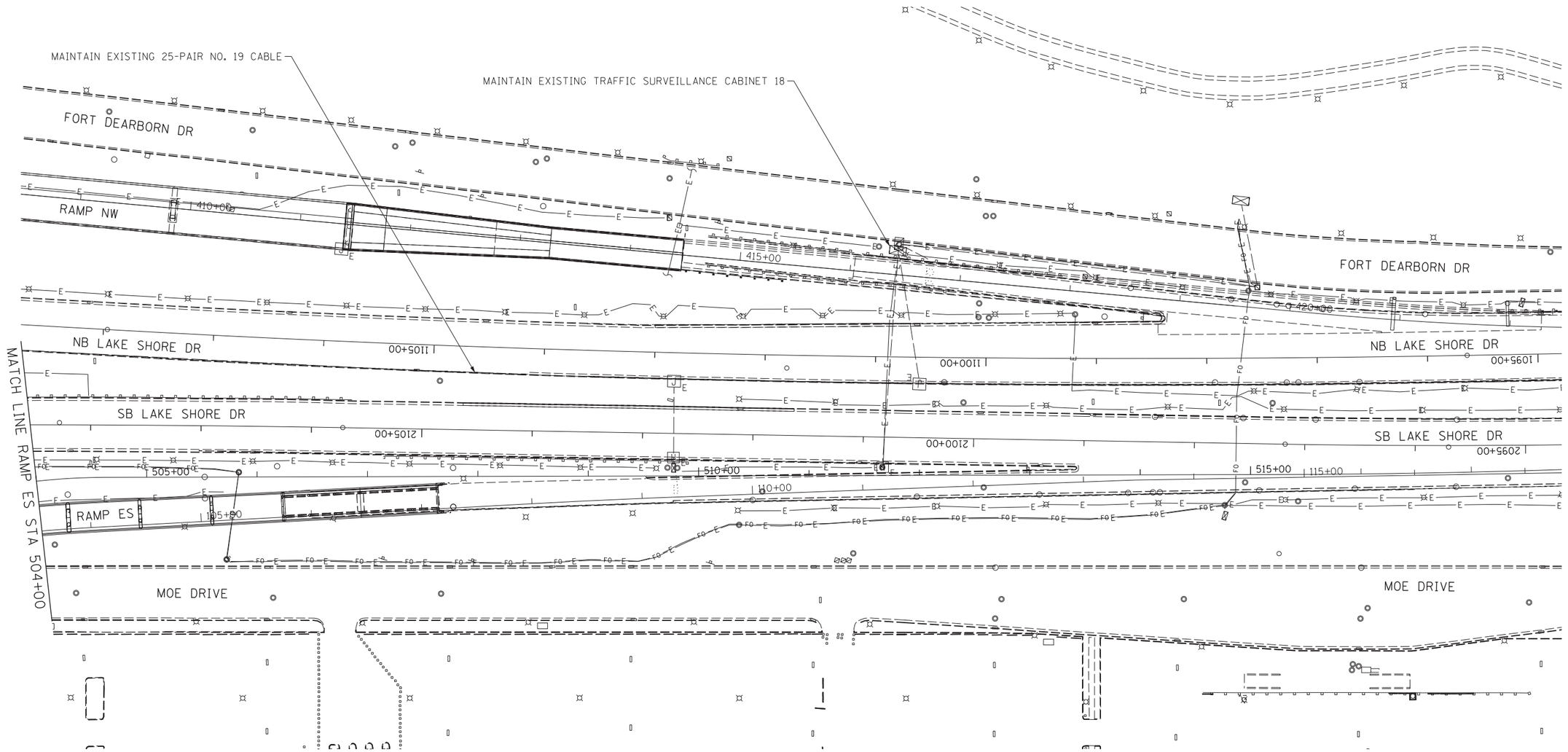
MAINTAINING ITS PLANS

SCALE: 1" = 50' | SHEET NO. 6 OF 18 SHEETS | STA. 191+00 TO STA. 504+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	337
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

NOTES

1. ALL WORK SHOWN ON THIS SHEET WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.



ITS-07

FILE NAME = D160X07-Sht-ITS-07_Maintaining.dgn

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

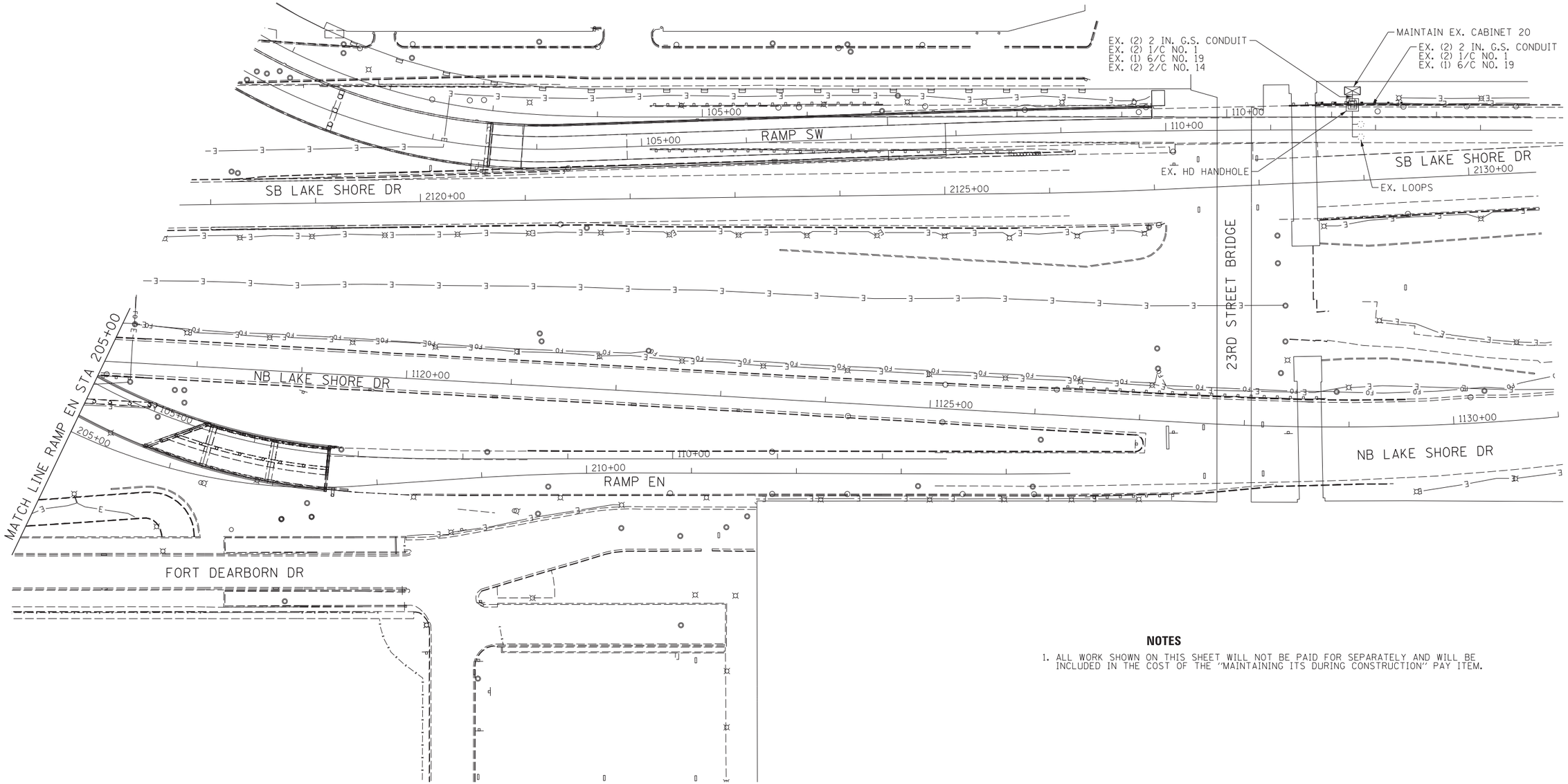
USER NAME = auyeungh	DESIGNED - GWS	REVISED -
	DRAWN - CAM	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - JDG	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTAINING ITS PLANS

SCALE: 1" = 50' | SHEET NO. 7 OF 18 SHEETS | STA. 504+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	338
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			



NOTES

1. ALL WORK SHOWN ON THIS SHEET WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.

0 50' 100'

ITS-08

FILE NAME = D16BX07-Sht-ITS-08_Maintaining.dgn

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

USER NAME = auyeungh	DESIGNED - PFD	REVISED -
	DRAWN - CAM	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

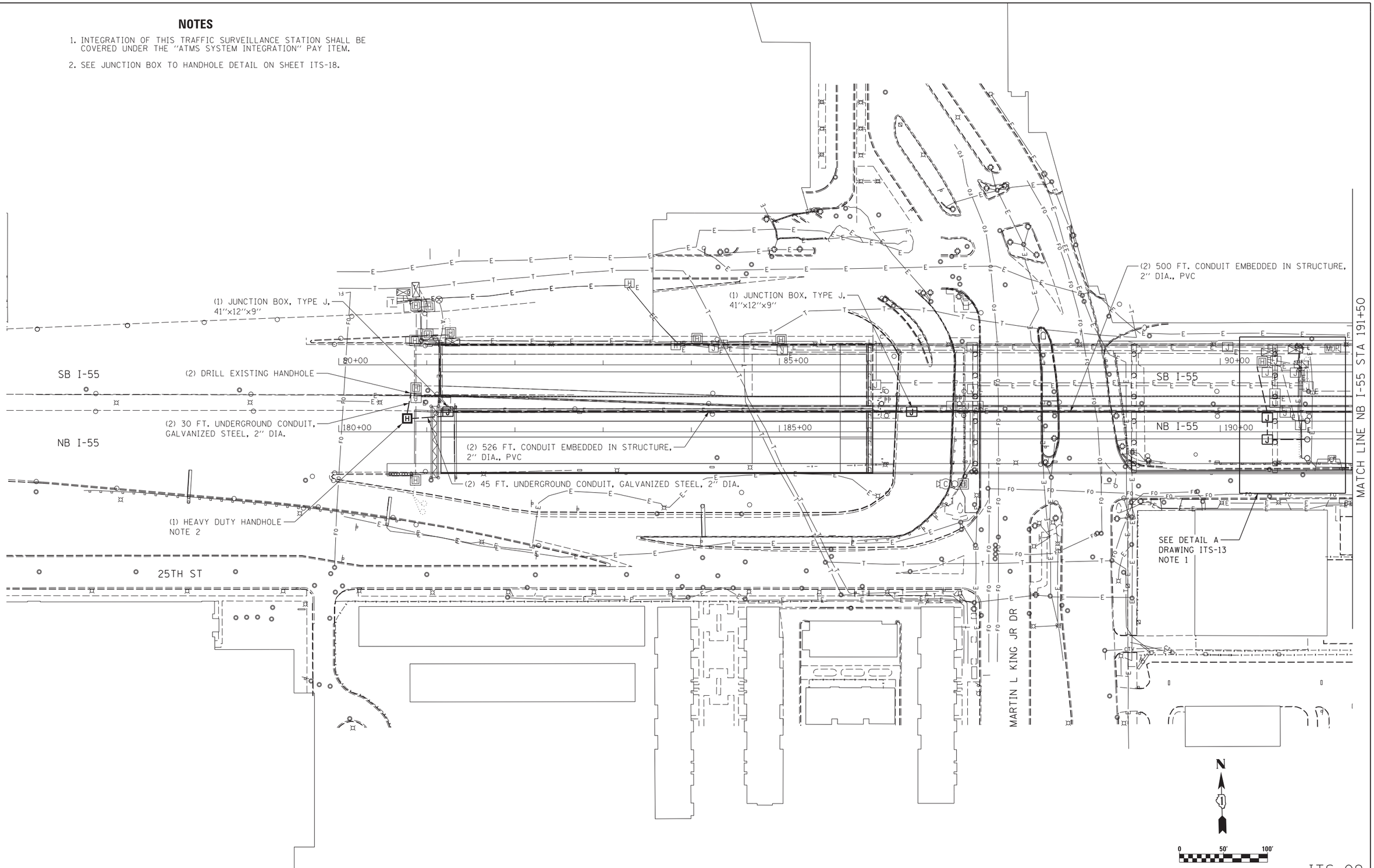
MAINTAINING ITS PLANS

SCALE: 1" = 50' | SHEET NO. 8 OF 18 SHEETS | STA. 205+00 TO STA. 1131+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	339
		CONTRACT NO. 60X07		
		ILLINOIS FED. AID PROJECT		

NOTES

1. INTEGRATION OF THIS TRAFFIC SURVEILLANCE STATION SHALL BE COVERED UNDER THE "ATMS SYSTEM INTEGRATION" PAY ITEM.
2. SEE JUNCTION BOX TO HANDHOLE DETAIL ON SHEET ITS-18.



ITS-09

FILE NAME = D16X07-Sht-ITS-09_Proposed.dgn

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

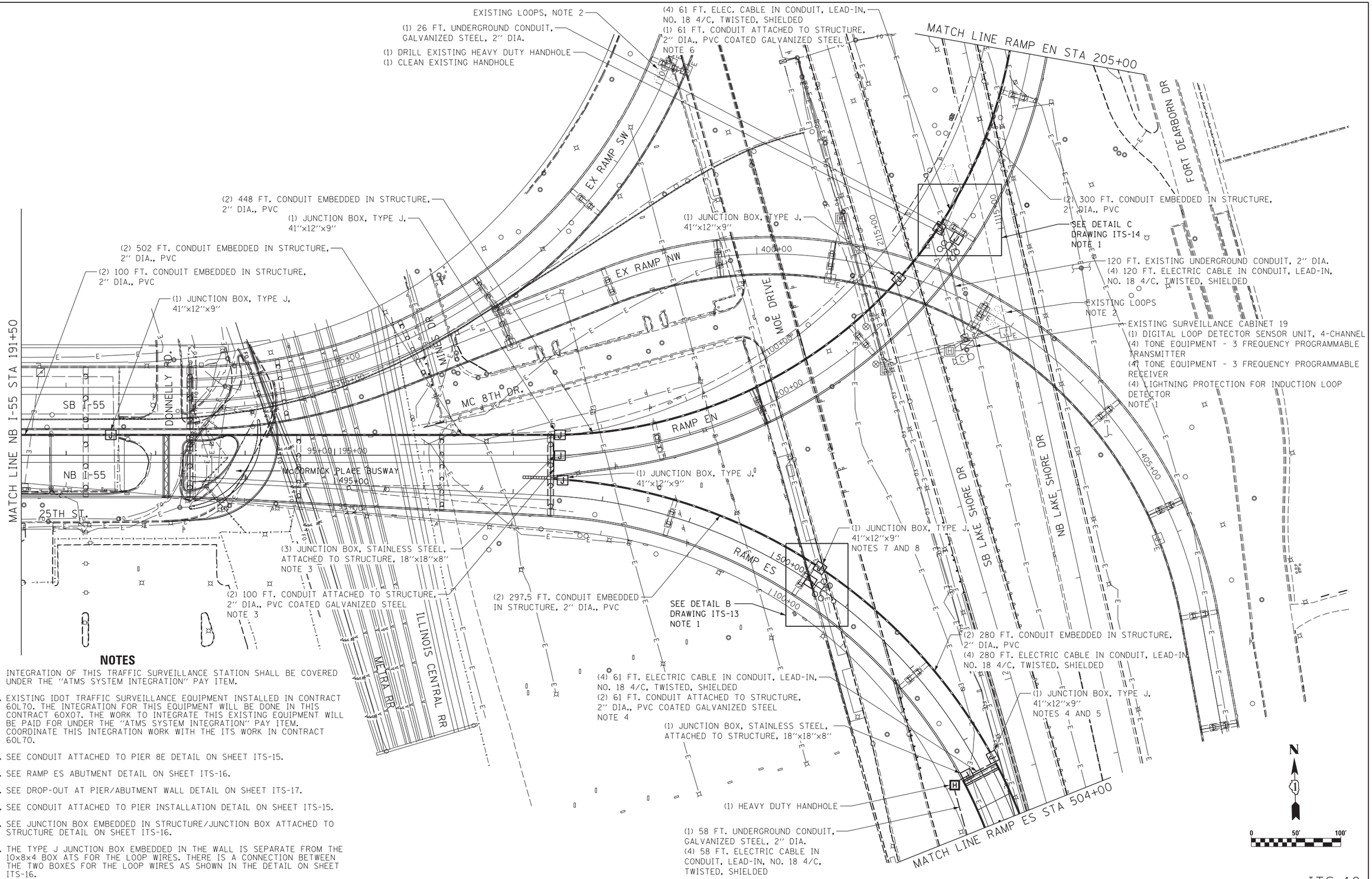
USER NAME = auyeungh	DESIGNED - GWS	REVISED -
	DRAWN - CAM	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - JDG	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS PLANS

SCALE: 1" = 50' | SHEET NO. 9 OF 18 SHEETS | STA. | TO STA. 191+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	340
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		



NOTES

1. INTEGRATION OF THIS TRAFFIC SURVEILLANCE STATION SHALL BE COVERED UNDER THE "ATMS SYSTEM INTEGRATION" PAY ITEM.
2. EXISTING IDOT TRAFFIC SURVEILLANCE EQUIPMENT INSTALLED IN CONTRACT 60L70. THE INTEGRATION FOR THIS EQUIPMENT WILL BE DONE IN THIS CONTRACT 60X07. THE WORK TO INTEGRATE THIS EXISTING EQUIPMENT WILL BE PAID FOR UNDER THE "ATMS SYSTEM INTEGRATION" PAY ITEM. COORDINATE THIS INTEGRATION WORK WITH THE ITS WORK IN CONTRACT 60L70.
3. SEE CONDUIT ATTACHED TO PIER 8E DETAIL ON SHEET ITS-15.
4. SEE RAMP ES ABUTMENT DETAIL ON SHEET ITS-16.
5. SEE DROP-OUT AT PIER/ABUTMENT WALL DETAIL ON SHEET ITS-17.
6. SEE CONDUIT ATTACHED TO PIER INSTALLATION DETAIL ON SHEET ITS-15.
7. SEE JUNCTION BOX EMBEDDED IN STRUCTURE/JUNCTION BOX ATTACHED TO STRUCTURE DETAIL ON SHEET ITS-16.
8. THE TYPE J JUNCTION BOX EMBEDDED IN THE WALL IS SEPARATE FROM THE 10x8x4 BOX ATS FOR THE LOOP WIRES. THERE IS A CONNECTION BETWEEN THE TWO BOXES FOR THE LOOP WIRES AS SHOWN IN THE DETAIL ON SHEET ITS-16.

ITS-10

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

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

USER NAME = suyeungh	DESIGNED - GWS	REVISED -
	DRAWN - CAM	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - JDG	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

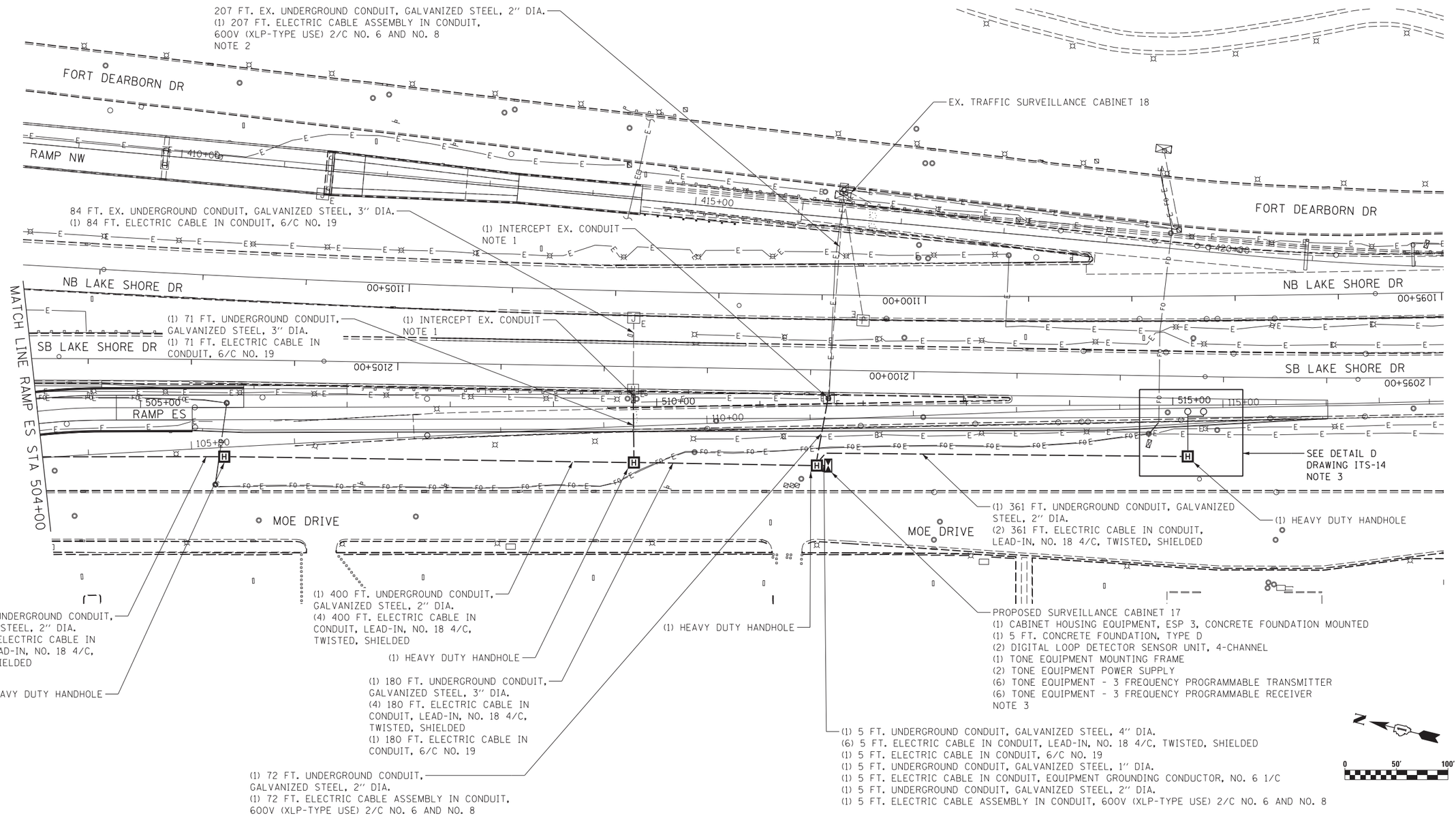
ITS PLANS

SCALE: 1" = 50' | SHEET NO. 10 OF 18 SHEETS | STA. 191+50 TO STA. 504+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	341
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

NOTES

1. INTERCEPT THE EXISTING CONDUIT AND ATTACH THE NEW CONDUIT WITH A COUPLING.
2. THE POWER SERVICE FOR CABINET 17 COMES FROM CABINET 18.
3. INTEGRATION OF THIS TRAFFIC SURVEILLANCE STATION SHALL BE COVERED UNDER THE "ATMS SYSTEM INTEGRATION" PAY ITEM.



ITS-11

FILE NAME = D160X07-Sht-ITS-11_Proposed.dgn

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

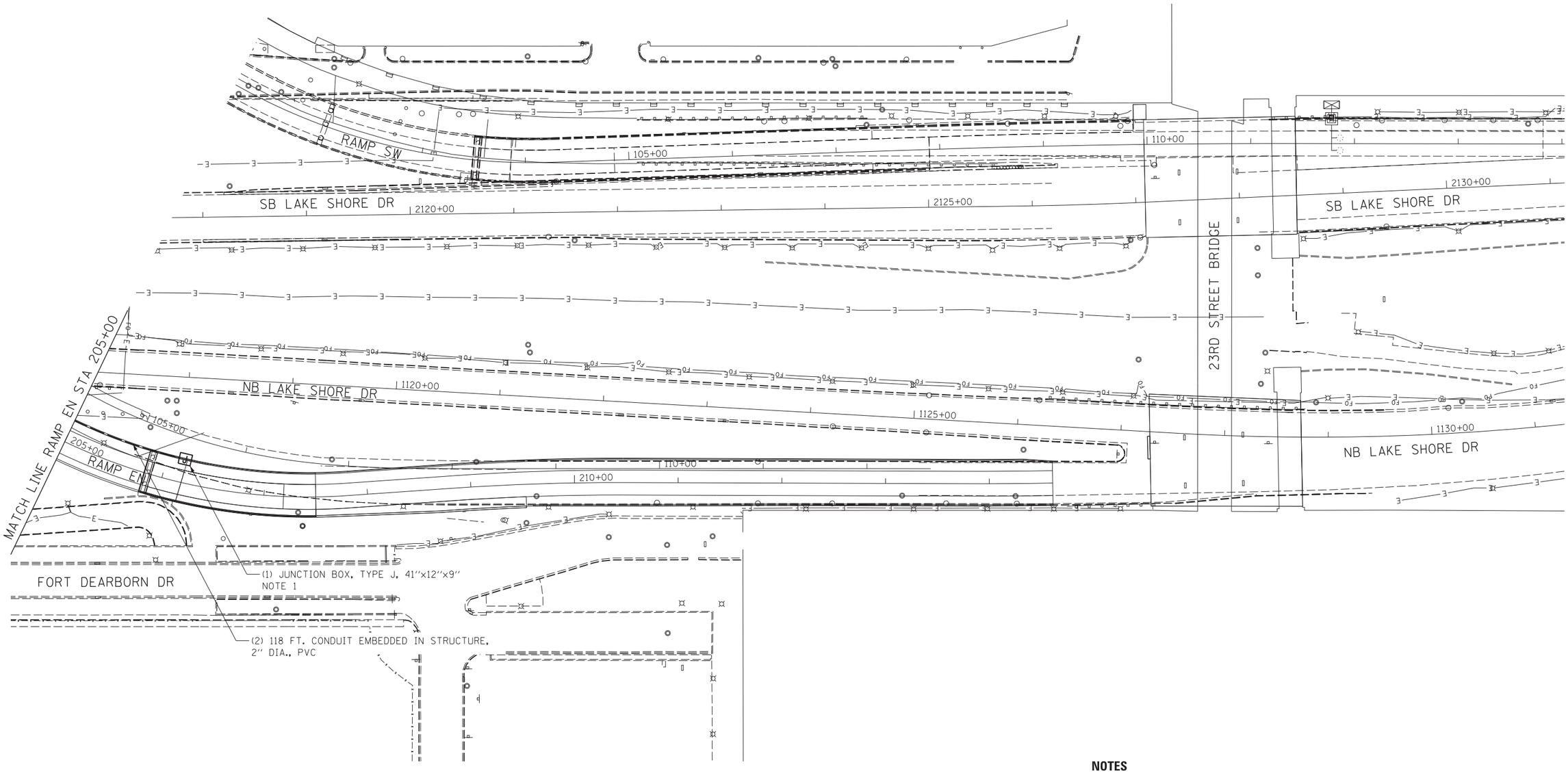
USER NAME = auyeungh	DESIGNED - GWS	REVISED -
	DRAWN - CAM	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - JDG	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS PLANS

SCALE: 1" = 50' | SHEET NO. 11 OF 18 SHEETS | STA. 504+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	342
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			



NOTES

1. DROP-OUT CONDUITS FROM BOTTOM OF JUNCTION BOX AND CAP. SEE DROP-OUT AT PIER/ABUTMENT WALL DETAIL ON SHEET ITS-17.

N

0 50' 100'

ITS-12

FILE NAME = D160X07-Sht-ITS-12_Proposed.dgn

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

USER NAME = auyeungh	DESIGNED - PFD	REVISED -
	DRAWN - CAM	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - WDS	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

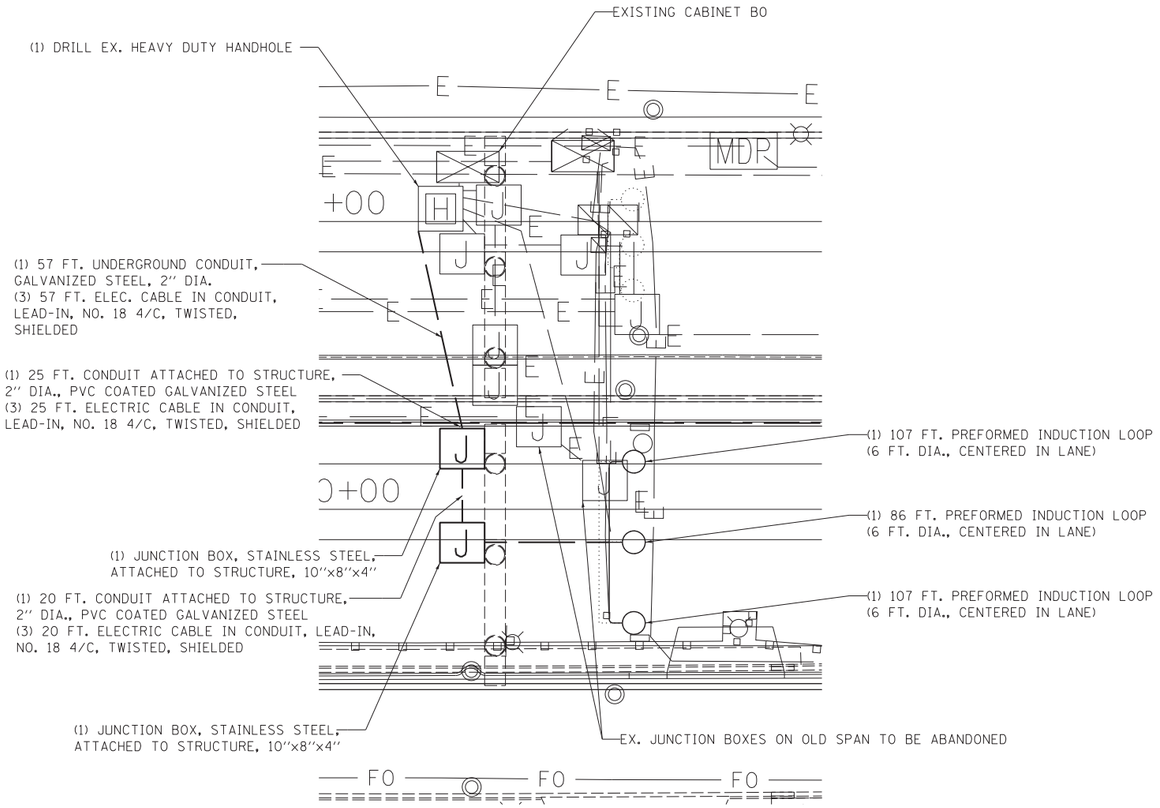
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS PLANS

SCALE: 1" = 50' | SHEET NO. 12 OF 18 SHEETS | STA. 205+00 TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	343
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

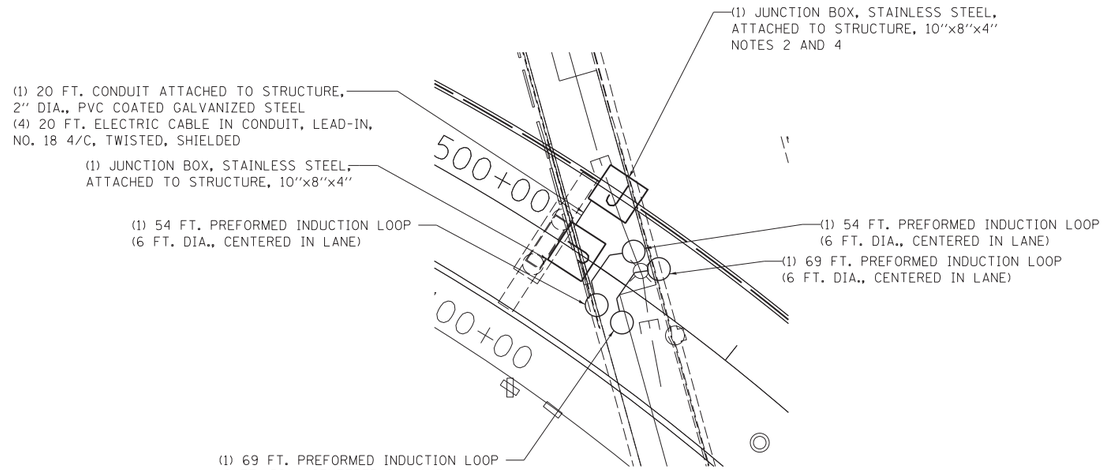
DETAIL A
MAINLINE LOOPS



NOTES

1. THIS IS A THREE LANE COUNT STATION.
2. INTEGRATION OF THIS TRAFFIC SURVEILLANCE STATION SHALL BE COVERED UNDER THE "ATMS SYSTEM INTEGRATION" PAY ITEM.

DETAIL B
RAMP ES LOOPS



NOTES

1. INTEGRATION OF THIS TRAFFIC SURVEILLANCE STATION SHALL BE COVERED UNDER THE "ATMS SYSTEM INTEGRATION" PAY ITEM.
2. SEE JUNCTION BOX EMBEDDED IN STRUCTURE/JUNCTION BOX ATTACHED TO STRUCTURE DETAIL ON SHEET ITS-16.
3. THIS IS A TWO LANE SPEED, COUNT, CLASSIFICATION STATION.
4. THE 10"x8"x4" JUNCTION BOX ATTACHED TO THE STRUCTURE IS FOR THE LOOP WIRES. THIS BOX IS CONNECTED TO THE TYPE J BOX EMBEDDED IN THE WALL, PER DETAIL SHEETS AS INDICATED FOR THIS LOCATION.

0 20' 40'

ITS-13

FILE NAME = D:\60X07-Sht-ITS-13_LocationDetail.dgn

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

USER NAME = auyeungh	DESIGNED - GWS	REVISED -
	DRAWN - JML	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JDG	REVISED -
PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

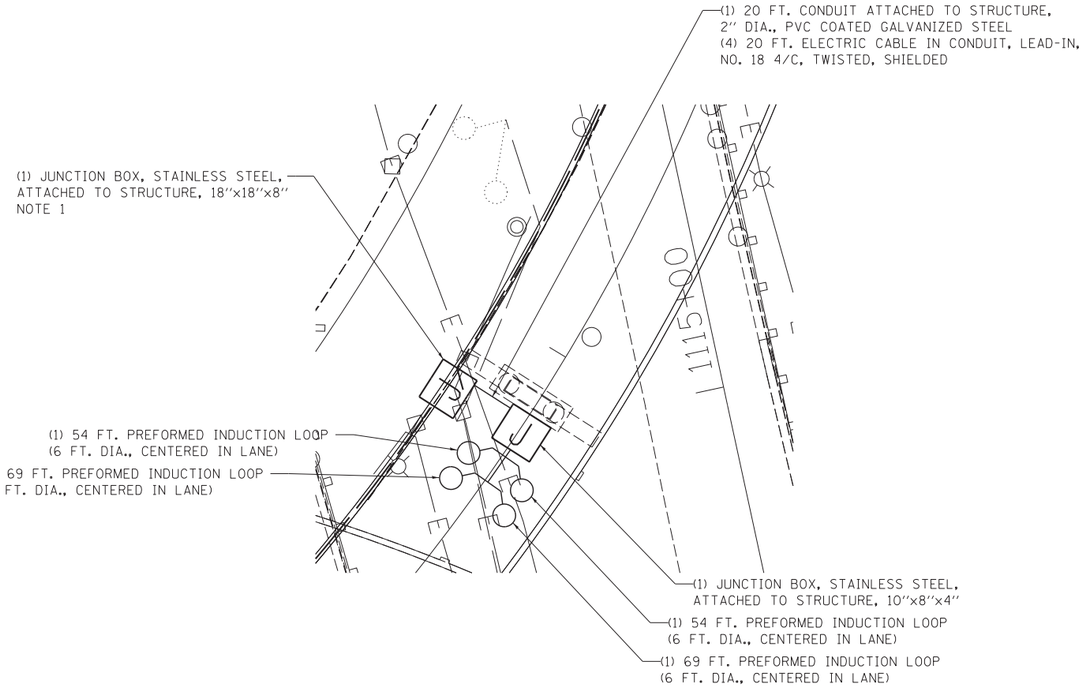
ITS LOCATION DETAILS – DETAIL A AND B

SCALE: 1"=20' | SHEET NO. 13 OF 18 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	344
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		

N

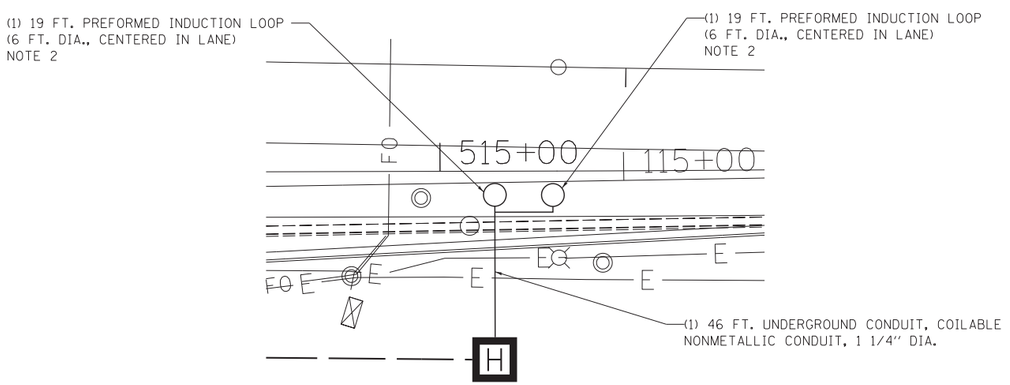
DETAIL C
RAMP EN MID-SPAN LOOPS



NOTES

1. SEE CONDUIT ATTACHED TO PIER INSTALLATION DETAIL ON SHEET ITS-15.
2. INTEGRATION OF THIS TRAFFIC SURVEILLANCE STATION SHALL BE COVERED UNDER THE "ATMS SYSTEM INTEGRATION" PAY ITEM.
3. THIS IS A TWO LANE SPEED, COUNT, CLASSIFICATION STATION.

DETAIL D
RAMP ES LOOPS AT END



NOTES

1. INTEGRATION OF THIS TRAFFIC SURVEILLANCE STATION SHALL BE COVERED UNDER THE "ATMS SYSTEM INTEGRATION" PAY ITEM.
2. THIS IS A SINGLE LANE SPEED, COUNT, CLASSIFICATION STATION.

0 20' 40'

ITS-14

FILE NAME = D16BX07-Sht-ITS-14_LocationDetail.dgn

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

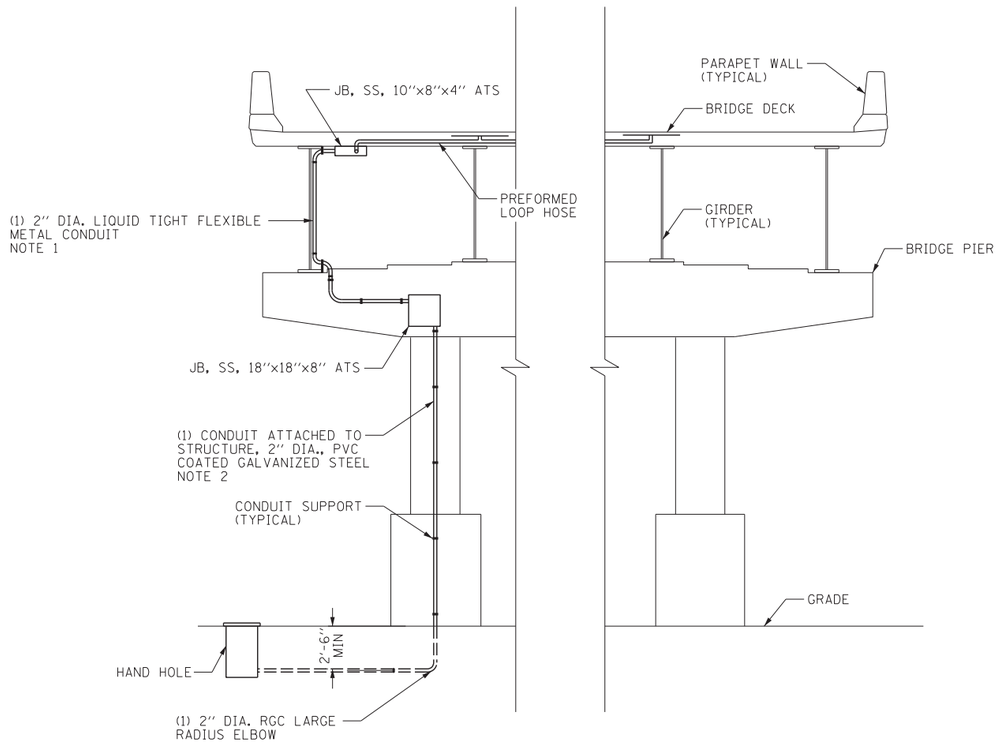
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PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

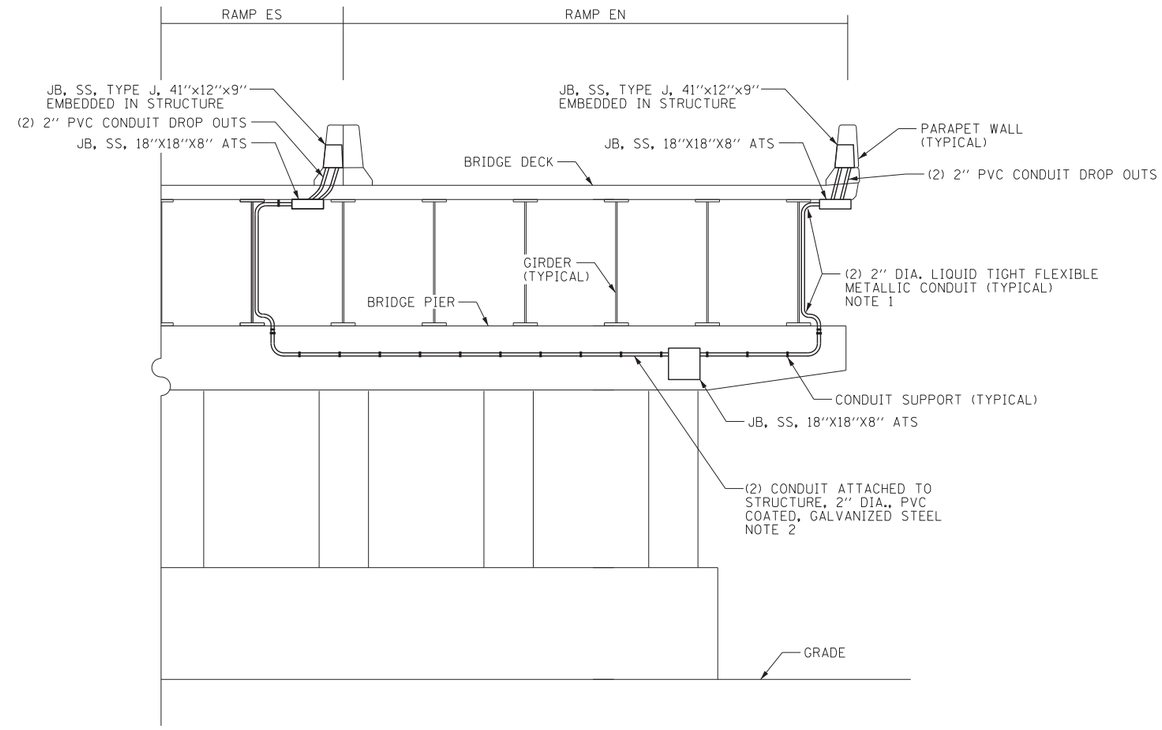
ITS LOCATION DETAILS – DETAIL C AND D

SCALE: 1"=20' | SHEET NO. 14 OF 18 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	345
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			



CONDUIT ATTACHED TO PIER INSTALLATION DETAIL



CONDUIT ATTACHED TO PIER 8E INSTALLATION DETAIL - LOOKING WEST

(NOT TO SCALE)

NOTES:

1. THE FLEXIBLE CONDUIT WILL BE MEASURED AND PAID FOR UNDER THE CONDUIT ATTACHED TO STRUCTURE PAY ITEMS.
2. AT ALL LOCATIONS WHERE 17'-3" MINIMUM CLEARANCE UNDER PIER CAP CAN BE PROVIDED, CONDUIT ATTACHED TO THE STRUCTURE SHALL BE PLACED IN THE REVEAL OF THE PIER AND SHALL NOT CONFLICT WITH DRAINAGE INFRASTRUCTURE.

ITS-15

FILE NAME = D168X07-sht-ITS-15.ConduitDetail.dgn

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

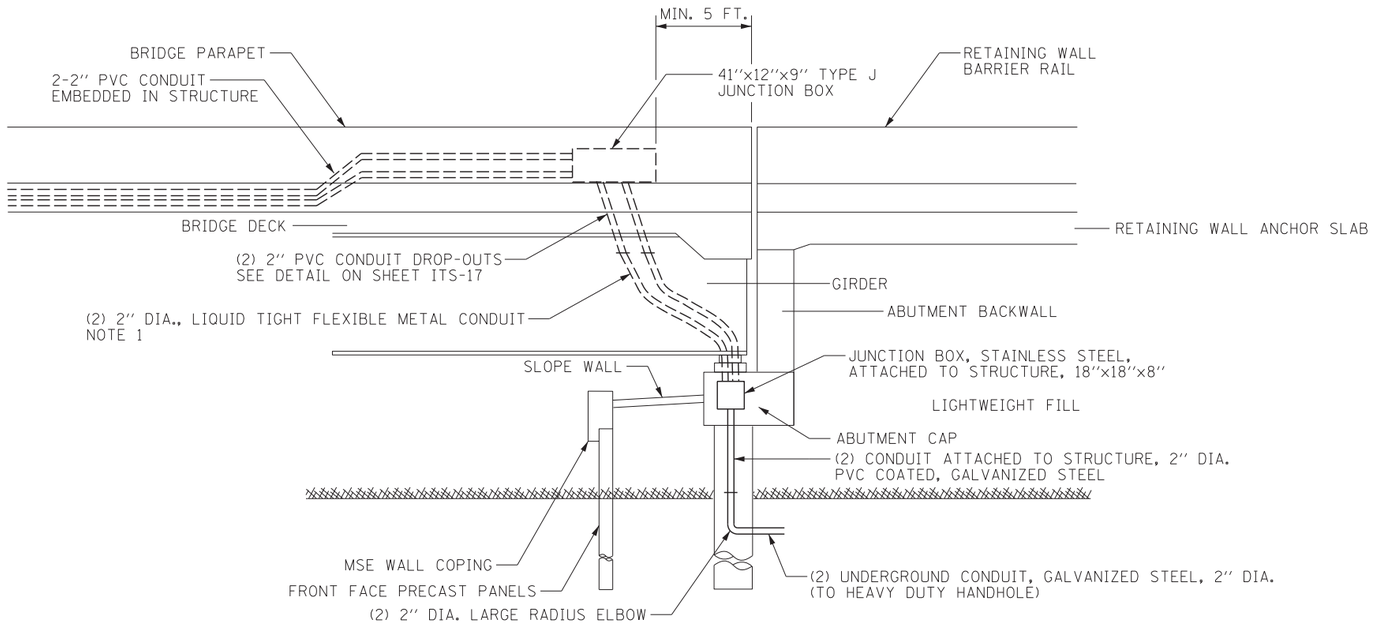
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PLOT DATE = 5/22/2015	DATE - 5/26/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

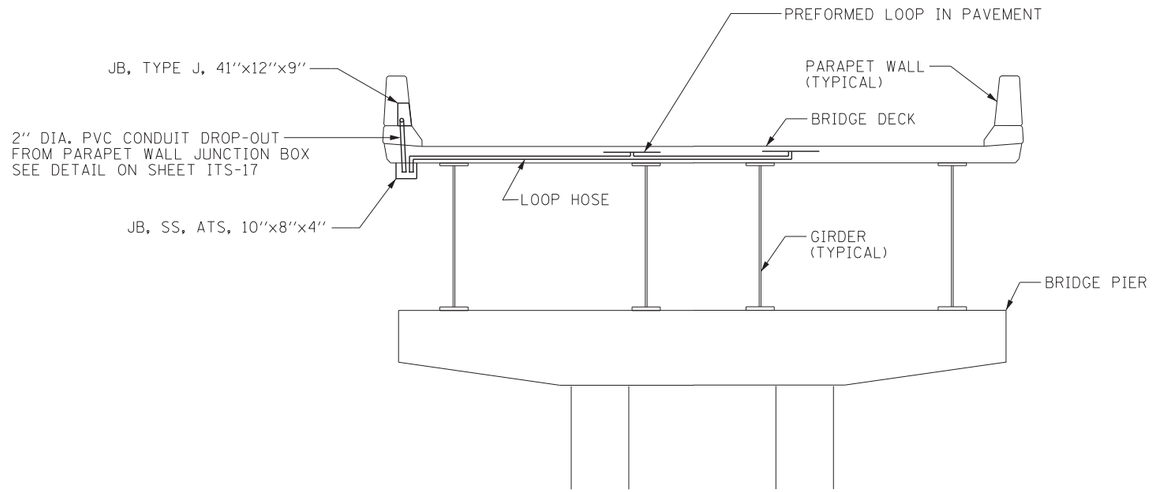
ITS CONDUIT ATTACHED TO PIER DETAIL

SCALE: N.T.S. | SHEET NO. 15 OF 18 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	346
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		



RAMP ES ABUTMENT WALL DETAIL



JUNCTION BOX EMBEDDED IN STRUCTURE / JUNCTION BOX ATTACHED TO STRUCTURE DETAIL

(NOT TO SCALE)

NOTES

1. THE FLEXIBLE CONDUIT WILL BE MEASURED AND PAID FOR UNDER THE CONDUIT ATTACHED TO STRUCTURE PAY ITEMS.

ITS-16

FILE NAME = D1608X07-sht-ITS-16_ConduitDetail.dgn

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

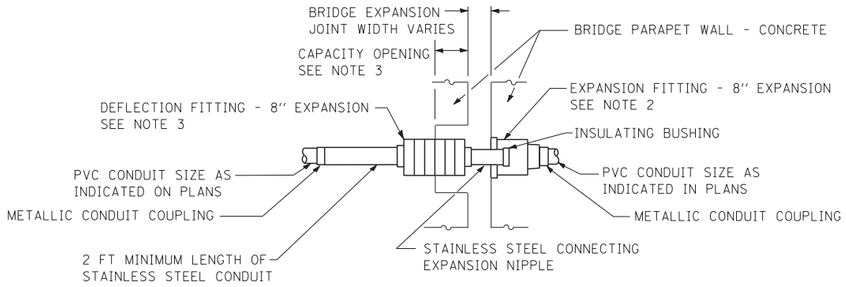
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP ES ABUTMENT WALL DETAIL

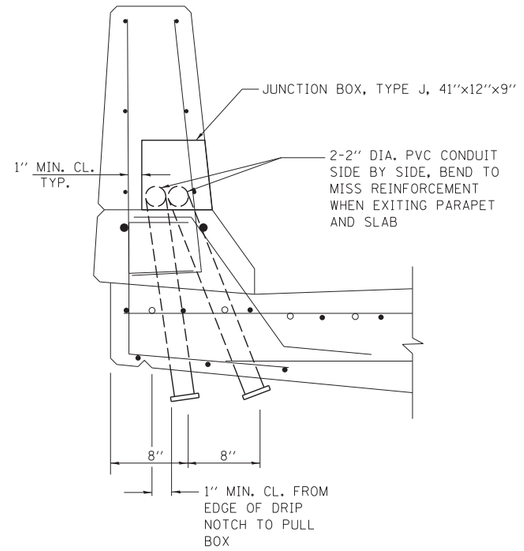
SCALE N.T.S. | SHEET NO. 16 OF 18 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	347
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			



EXPANSION/DEFLECTION CONDUIT COUPLING DETAIL

NOTES 1 AND 6



DROP-OUT AT PIER/ABUTMENT WALL

NOTES:

1. THE CONTRACTOR SHALL INSTALL A CONDUIT EXPANSION/DEFLECTION COUPLING AT THE JOINT LOCATIONS IN THE CONCRETE PARAPET ON THE BRIDGE CAPABLE OF ACCEPTING THE LONGITUDINAL MOVEMENT. ALL METALLIC PARTS OF THE COUPLING SHALL BE MADE OF STAINLESS STEEL OR AS APPROVED BY THE ENGINERR. ANY NON-STAINLESS METAL SHALL BE HOT DIP GALVANIZED AND COATED TO PREVENT REACTION WITH THE CONCRETE. THE COST OF THE COUPLING SHALL BE PART OF AND INCIDENTAL TO THE CONDUIT SYSTEM.

2. THE BARREL IN THE EXPANSION FITTING SHALL BE IN THE CONCRETE ON ONE SIDE OF THE EXPANSION JOINT. ONE HALF THE LENGTH OF THE DEFLECTION FITTING SHALL BE EMBEDDED IN THE CONCRETE ON THE OTHER SIDE OF THE COUPLING.

3. A CAVITY OPENING 3'' LARGER IN DIAMETER THAN THE DEFLECTION FITTING SHALL BE PROVIDED IN THE CONCRETE TO ENSURE PROPER PERFORMANCE OF THE COUPLING.

4. CAREFUL ATTENTION TO JOINT MOVEMENT OVER A RANGE OF OF TEMPERATURES SHALL BE COORDINATED WITH THE SELECTION AND INSTALLATION OF THE COUPLING TO ENSURE THE RANGE OF MOVEMENT OF THE COUPLING IS NOT EXEEDED AT TEMPERATURE EXTREMES.

5. ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE CAREFULLY FOLLOWED TO ENSURE OPTIMUM PERFORMANCE OF THE EXPANSION/DEFLECTION COUPLING.

6. THE CONTRACTOR SHALL INSTALL COUPLINGS AT ALL BRIDGE EXPANSION JOINTS AND SHALL BE RESPONSIBLE TO DETERMINE THE PROPER NUMBER OF COUPLINGS REQUIRED. SEE STRUCTURAL DRAWINGS FOR THE EXPANSION JOINT LOCATIONS.

7. WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY SUBSTITUTE TWO (2) STAINLESS STEEL JUNCTION BOXES ATTACHED TO THE BACK OF THE WALL AND CONNECTED BY A HIGH GRADE OF FLEXIBLE METAL CONDUIT FOR ALL EXPANSION JOINTS. THIS SUBSTITUTION SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT.

FILE NAME = D1608007-sht-ITS-17_ConduitExpDetail.dgn

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

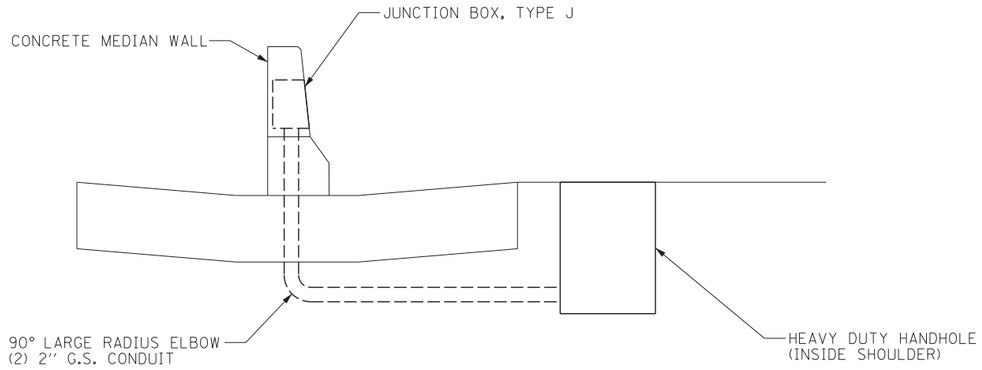
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

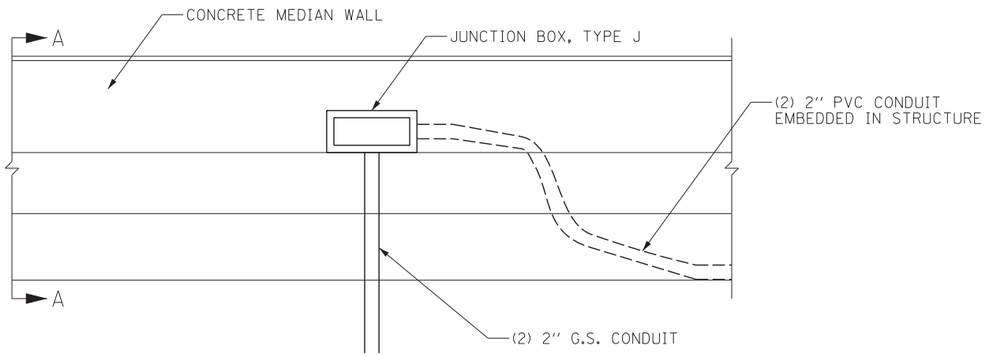
ITS CONDUIT EXPANSION DETAIL

SCALE N.T.S. | SHEET NO. 17 OF 18 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	348
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			



SECTION A-A
(NOT TO SCALE)



ELEVATION
(NOT TO SCALE)

ITS-18

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

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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

JUNCTION BOX TO HANDHOLE DETAIL

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	349
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

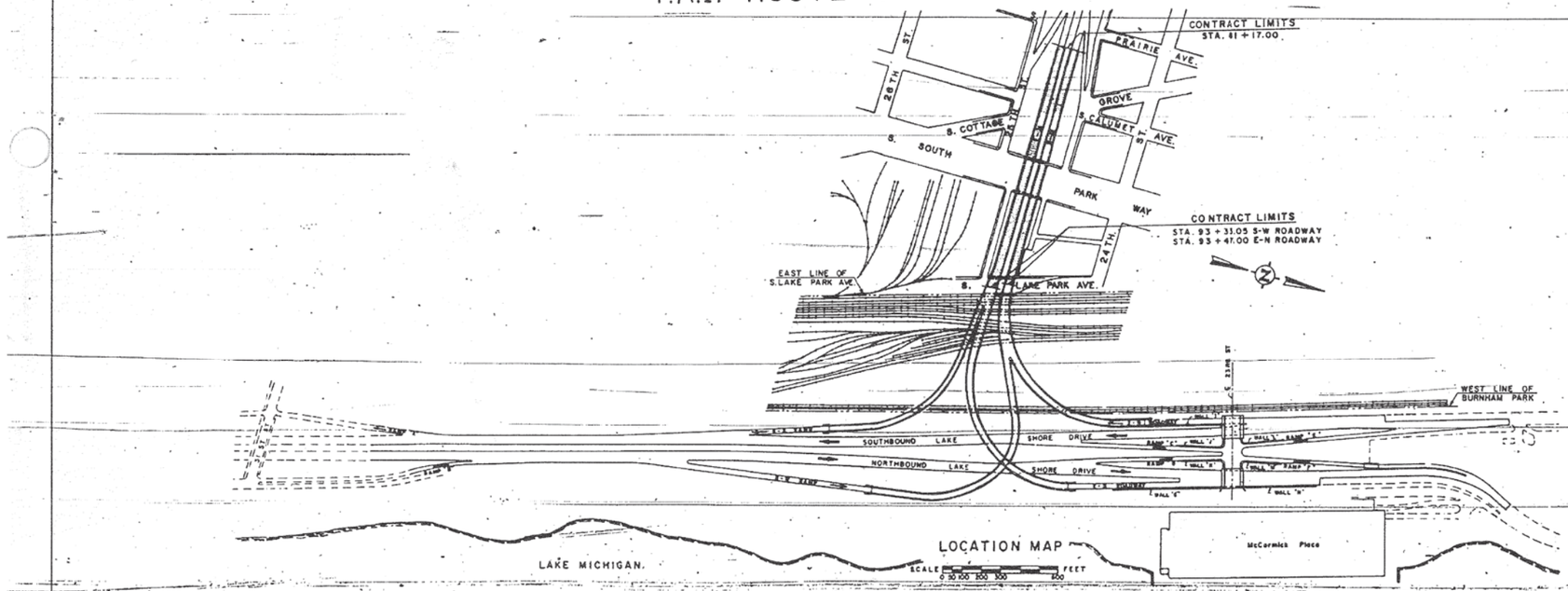
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.- 55	SW-1818.3-1H	COOK	64	1
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58)-288		

STATE OF ILLINOIS
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY

PLANS FOR ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

F.A.I. ROUTE 55 PROJECT I-55-7(58)-288



LOCATION MAP
SCALE 0 50 100 200 300 400 FEET

APPROVED AS TO SEWER ALTERATIONS AND ADDITIONS
CHIEF ENGINEER OF SEWERS
DEPUTY FOR SEWERS

LENGTH OF STRUCTURES
E-N ROADWAY 1230.00 FT. =0.233 MILES
S-W ROADWAY 1216.05 FT. =0.230 MILES

PREPARED FOR
THE CITY OF CHICAGO
BY
H.W. LOCHNER INC.
ENGINEERS

PLANS APPROVED
BY THE STATE DIVISION OF HIGHWAYS

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
DATE MARCH 16, 1965
APPROVED _____ CHIEF SUBWAY & SUPERHIGHWAY ENGINEER
APPROVED _____ ASS'T. CHIEF ENGINEER
APPROVED _____ CHIEF ENGINEER
APPROVED _____ COMMISSIONER

THE DEPARTMENT OF
PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
APPROVED _____ 19____
CHIEF HIGHWAY ENGINEER
APPROVED _____ 19____

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED _____ 19____
DIVISION ENGINEER DATE

SHEET NO. G-1 OF 64 SHEETS

044A

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AECOM

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 1 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	350
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.–55	SW–1818.3–1H	COOK	64	2
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I–55–7(58)–288		

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G-4	ALIGNMENT PLAN	4
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SUMMARY OF QUANTITIES

ITEM	UNIT	QUANTITY	DESCRIPTION
1	CU YDS	100	SPECIAL EXCAVATION
2	CU YDS	850	CLASS A EXCAVATION FOR STRUCTURES
3	CU YDS	26	ROCK EXCAVATION
4	CU FT	40,500	SUB-PIERS
5	CU YDS	6,630	CLASS X CONCRETE
6	LBS	1,825,000	REINFORCEMENT BARS
7	LBS	2,900,000	FURNISHING AND ERECTING STRUCTURAL STEEL
8	LIN FT	4,900	FURNISHING AND ERECTING METAL HANDRAIL
8A	LIN FT	4,900	FURNISHING AND ERECTING ALUMINUM HANDRAIL
9	EACH	34	FLOOR DRAINS, TYPE A
10	LIN FT	1,040	DOWNSPOUTS, 6-INCH.
11	EACH	17	CATCH BASIN, TYPE A, 4 FT. DIA.
12	EACH	8	MANHOLES, TYPE A, 5 FT. DIA.
13	LIN FT	1,020	STORM SEWERS, TYPE 2, 8-INCH
14	LIN FT	520	STORM SEWERS, TYPE 3, 30-INCH
15	LIN FT	680	STORM SEWERS, TYPE 4, 36-INCH
16	SQ YDS	80	PAVEMENT REPLACEMENT - ENTIRE
17	CU YDS	2,520	TRENCH BACKFILL
18	LIN FT	1,400	CHAIN LINK FENCE, 48 INCH
19	SQ YDS	8,070	CRUSHED STONE, 4-INCH
20	EACH	2	NAME PLATES
21	LIN FT	150	1-1/2 INCH STEEL CONDUIT
22	LIN FT	2,450	2-INCH STEEL CONDUIT
23	LIN FT	140	3-INCH STEEL CONDUIT
24	EACH	20	JUNCTION BOXES
25	LIN FT	1,700	NO. 10 A. W. G. INSULATED WIRE
26	LIN FT	14,800	NO. 6 A. W. G. INSULATED CABLE IN CONDUIT
27	LIN FT	470	4/0 A. W. G. INSULATED CABLE IN CONDUIT
28	EACH	17	LIGHT STANDARDS, ONE-12 FT. ARM, ALUMINUM
28A	EACH	17	LIGHT STANDARDS, ONE-12 FT. ARM, STEEL
29	LUMP SUM	1	SYSTEM GROUNDING
30	LUMP SUM	1	LIGHTING CABINET AND SERVICE
31	SQ YDS	17,500	PROTECTIVE COAT
32	CU YDS	250	ADDITIONAL EXCAVATION
33	CU YDS	250	CRUSHED STONE FILL
34	CU YDS	50	SAND BACKFILL
35	INCH DIA	84	TREE REMOVAL 6-15 INCH., DIA.
36	EACH	2	CATCH BASINS TO BE RECONSTRUCTED
37	EACH	2	MANHOLES TO BE RECONSTRUCTED
38	EACH	2	INLETS TO BE RECONSTRUCTED

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW–1818.3–1H

INDEX OF SHEETS AND SUMMARY OF QUANTITIES

SHEET NO. G-2 OF 64 SHEETS MAR. 1965

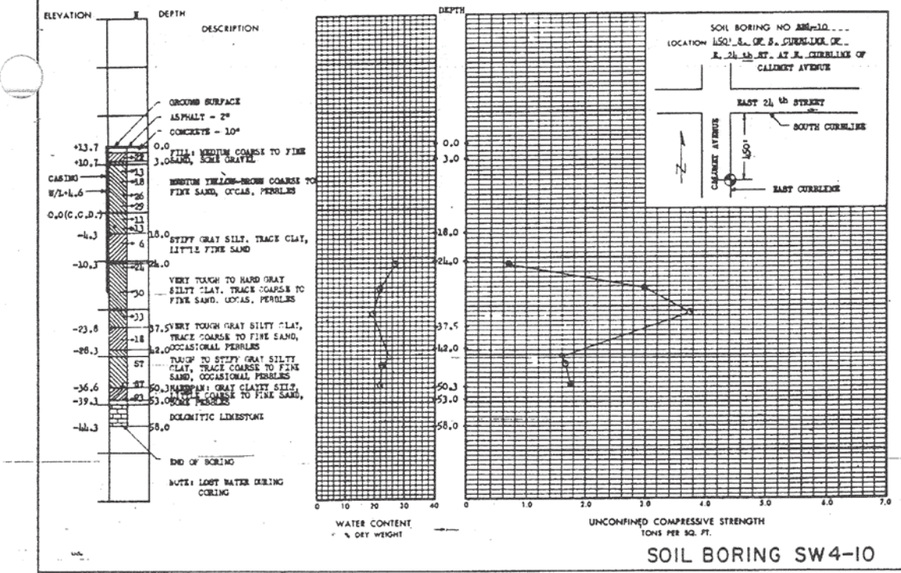
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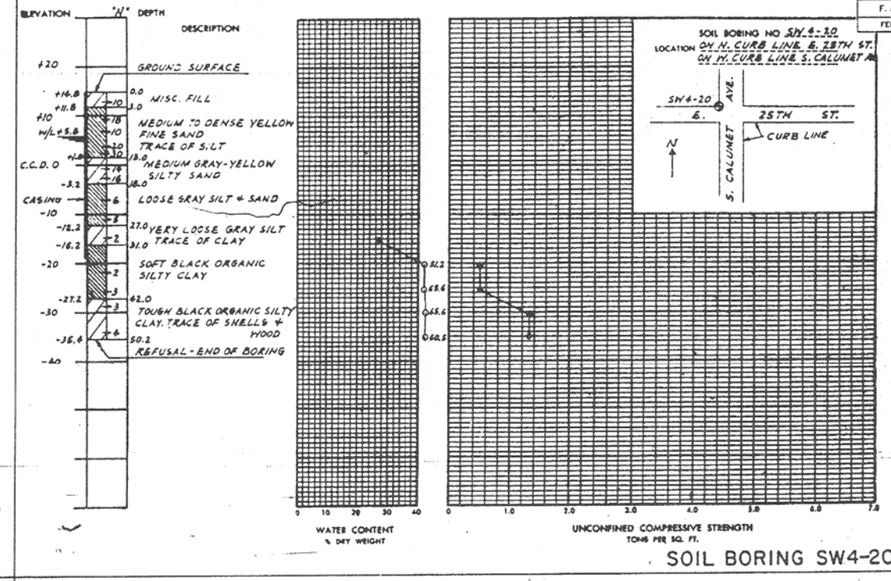
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		CHECKED -	REVISED -		SHEET NO. 2 OF 173 SHEETS
	PLOT SCALE =	DRAWN - HAY	REVISED -		
	PLOT DATE = 5/22/2015	CHECKED - ATB	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	351
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

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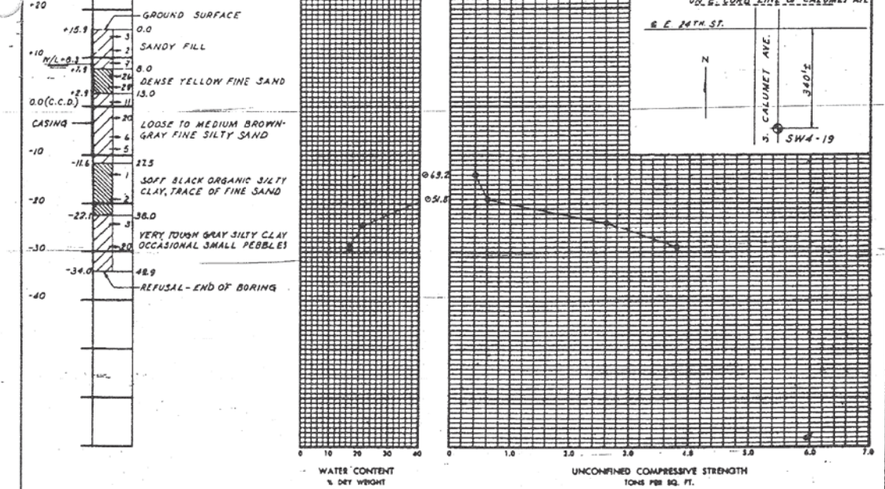
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FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(581-288		

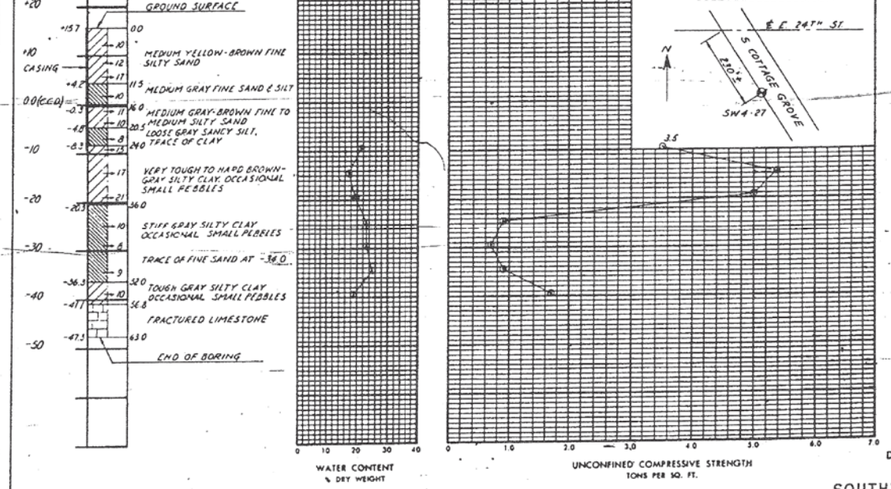




SOIL BORING SW4-10

SOIL BORING SW4-20





SOIL BORING SW4-19

SOIL BORING SW4-27

REMARKS

"N" NUMBER OF BLOWS OF 140# WT. FALLING 30" TO PENETRATE 12"
0 TEST VALVE
& ESTIMATED VALUE
W/L WATER LEVEL - 24HR. PERIOD
— SPLIT SPOON SAMPLE
ST SHELBY TUBE SAMPLE

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.

SECTION SW-1818,3-1H

SOIL BORINGS

SCALE: AS NOTED MAR. 1965

SHEET NO. G-16 OF 64 SHEETS

103-60X07_As-Builts.dgn

USER NAME = auyeungh	DESIGNED -	REVISED -	
	CHECKED -	REVISED -	
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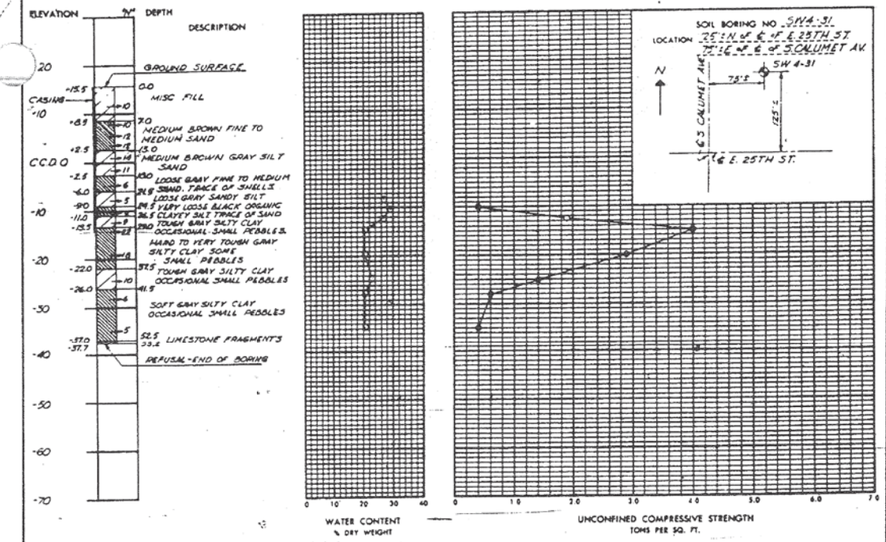
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 3 OF 173 SHEETS

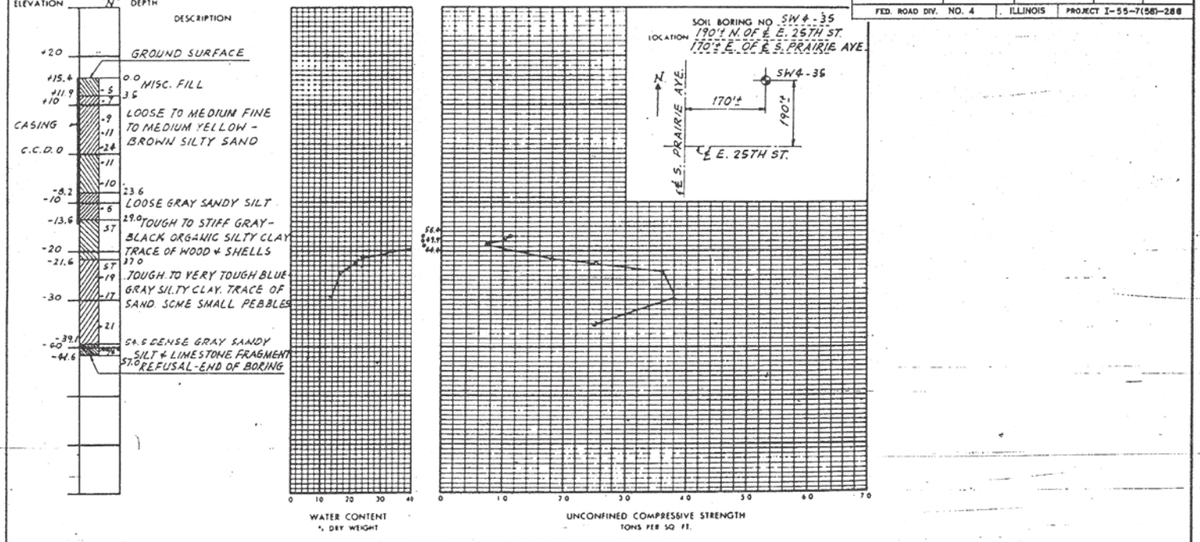
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55	2013-049B	COOK	888	352
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

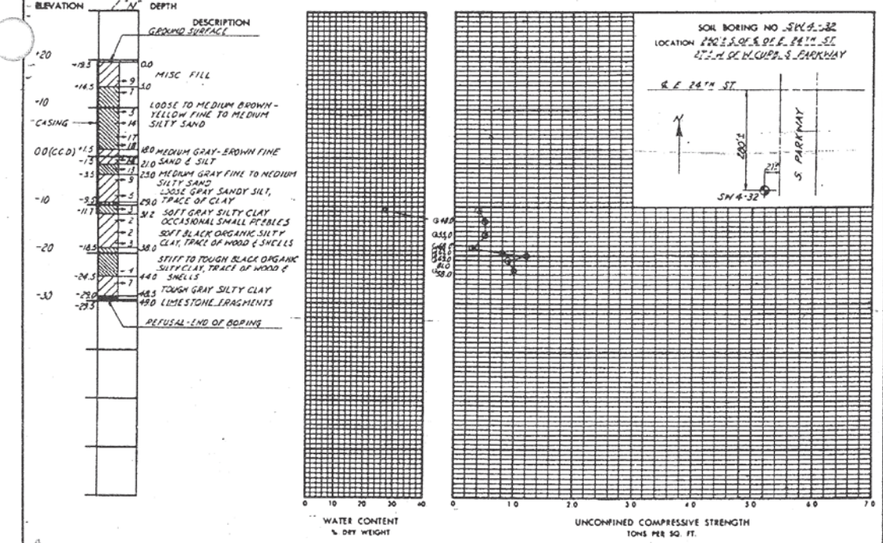
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F.A.I.L-55	SW-1818.3-1H	COOK	64	17
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58)-288		



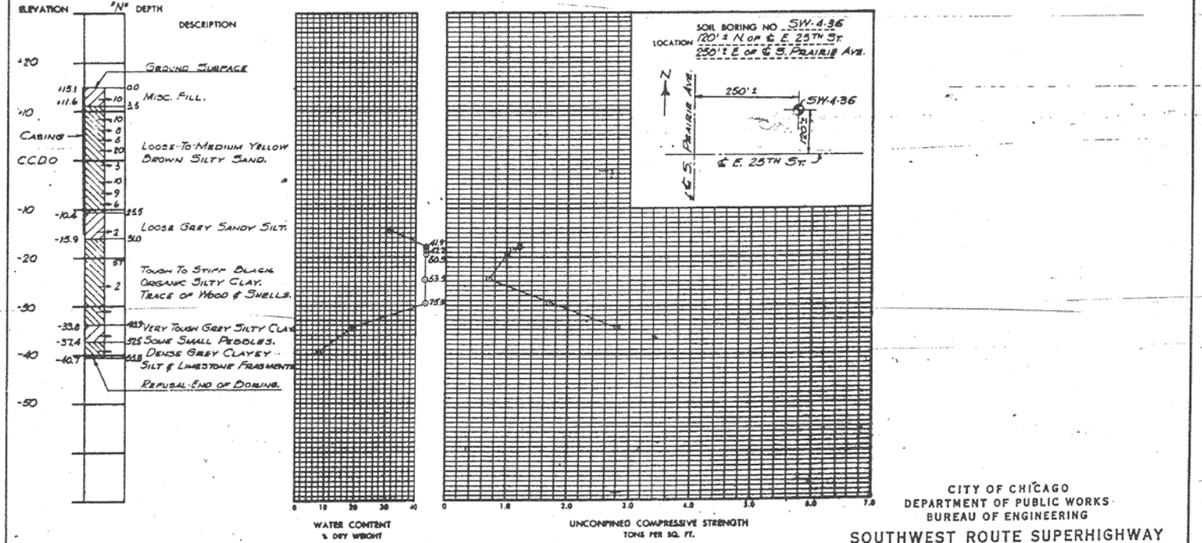
SOIL BORING SW4-31



SOIL BORING SW4-35



SOIL BORING SW4-32



SOIL BORING SW4-36

REMARKS

"N" NUMBER OF BLOWS OF 140#WT. FALLING 30" TO PENETRATE 1'0"
O TEST VALVE
● ESTIMATED VALVE
W/L WATER LEVEL - 24 HR. PERIOD
→ SPLIT SPOON SAMPLE

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

SOIL BORINGS

SCALE: AS NOTED MAR. 1965

SHEET NO. G-17 OF 64 SHEETS

104-60X07_As-Builts.dgn

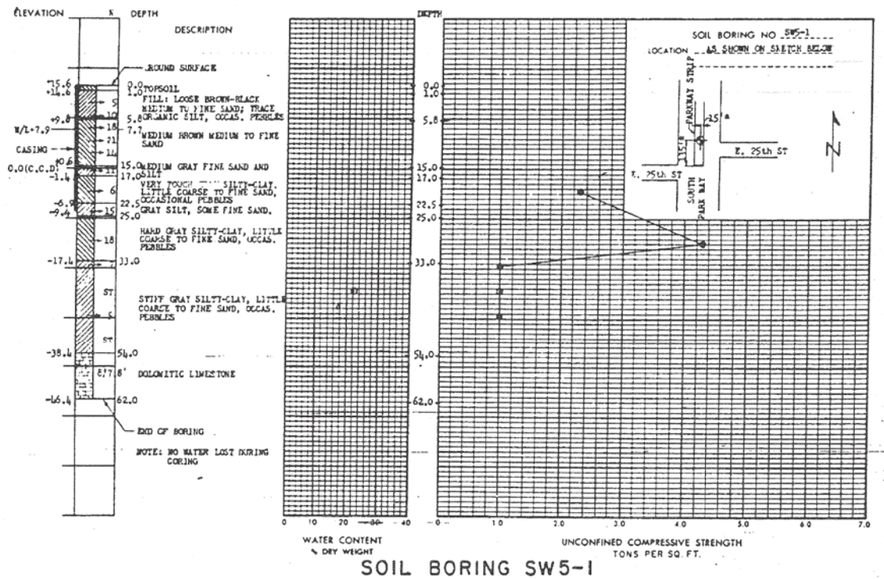
AECOM	USER NAME = auyeungh	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN - HAY	REVISED -
	PLOT DATE = 5/22/2015	CHECKED - ATB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

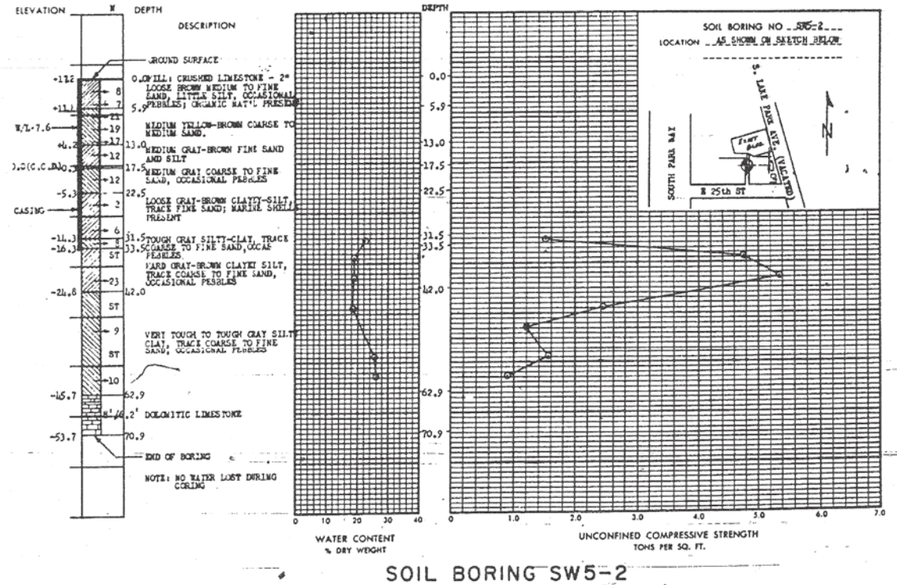
AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 4 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	353
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

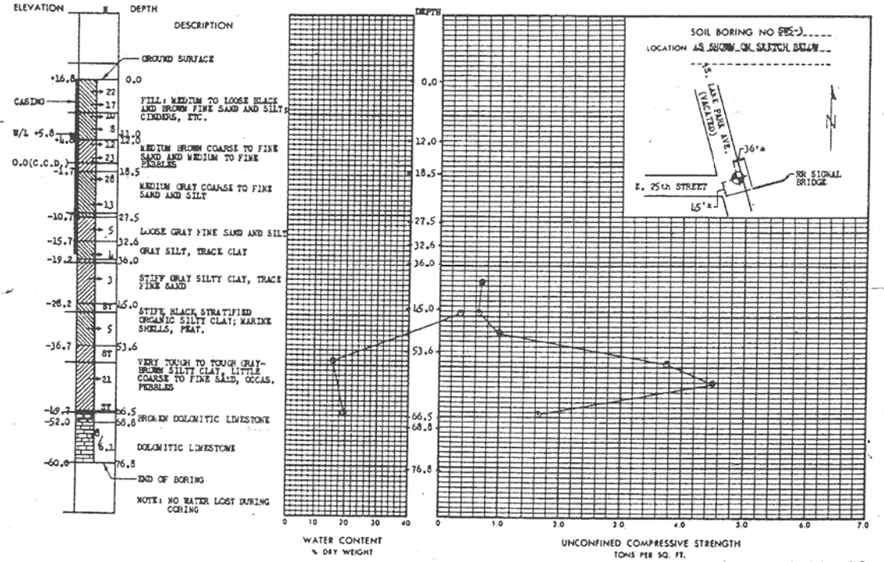
FOR INFORMATION ONLY



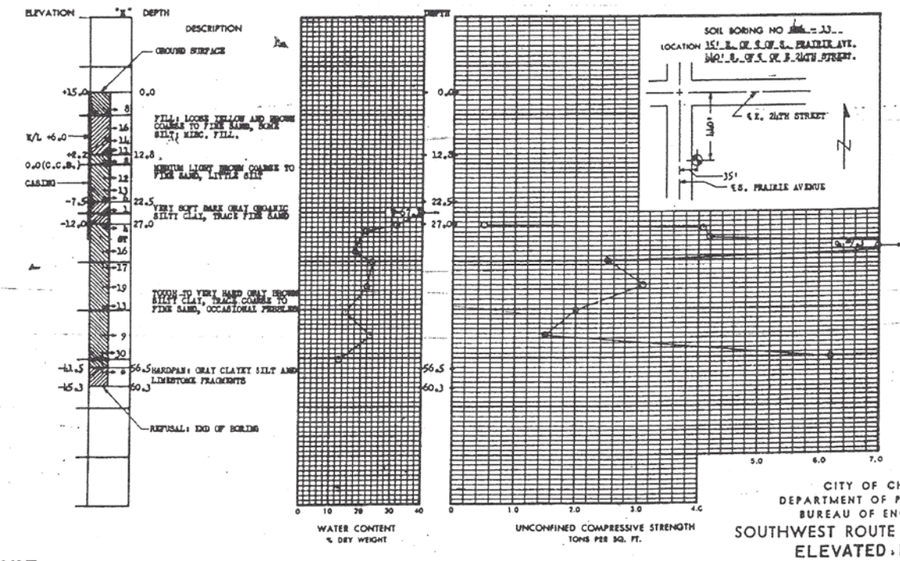
SOIL BORING SW5-1



SOIL BORING SW5-2



SOIL BORING SW5-3



SOIL BORING SW4-13

REMARKS
"N" NUMBER OF BLOWS OF 140 LB WT FALLING 30" TO PENETRATE 12"
• 50 BLOWS TO PENETRATE 12"
○ TEST VALUE
⊕ ESTIMATED TEST VALUE
W/L WATER LEVEL - 24 HOURS AFTER DRILLING
ST SHELBY TUBE SAMPLE - 2" O.D.
SPLIT SPOON SAMPLE - 1-3/8" I.D., 2" O.D.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1618.3-IH
SOIL BORINGS
SCALE: AS NOTED
SHEET NO. G-18 OF 64 SHEETS
MAR. 1965

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.—55	SW-1618.3-IH	COOK	64	18
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(58)-288		

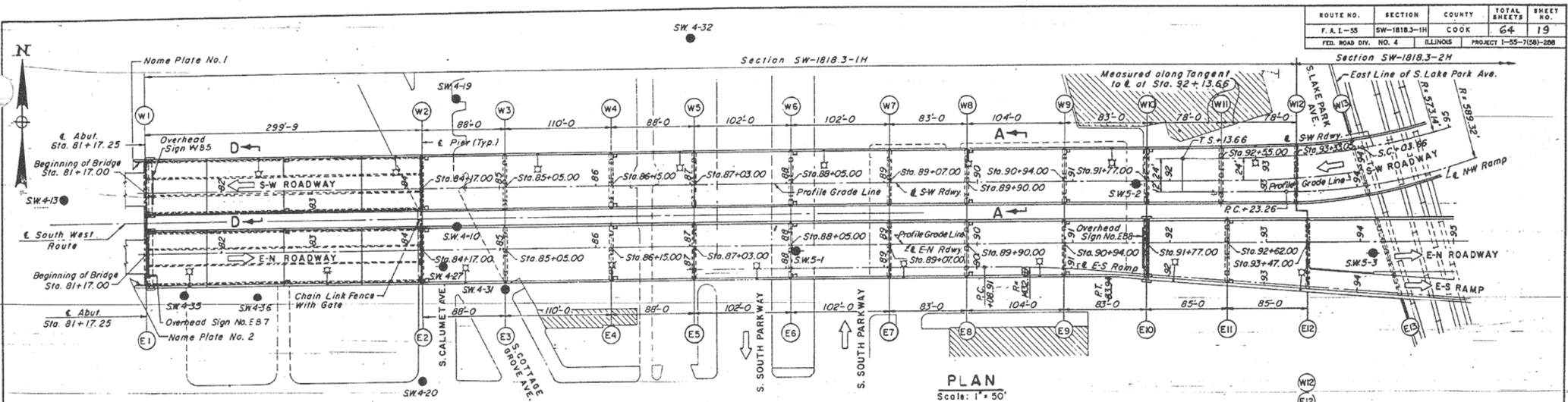
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AECOM	USER NAME = auyeungh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	AS-BUILTS I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
		CHECKED -	REVISED -		SHEET NO. 5 OF 173 SHEETS
	PLOT SCALE =	DRAWN - HAY	REVISED -		
	PLOT DATE = 5/22/2015	CHECKED - ATB	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	354
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.—55	SW-1818.3-1H	COOK	64	19
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(58)-206		



PROFILE GRADE ELEVATIONS AND COORDINATES OF ℄ INTERSECTIONS WITH ℄ ABUTMENT OR PIER

Reference Line	Profile Grade Elevations	North Coordinate	East Coordinate
℄ Abut W1	19.121	10231.080	15023.795
℄ Pier W2	27.364	10231.358	15323.545
℄ Pier W3	29.784	10231.439	15411.545
℄ Pier W4	32.809	10231.541	15521.544
℄ Pier W5	35.229	10231.622	15609.544
℄ Pier W6	37.962	10231.717	15711.544
℄ Pier W7	40.040	10231.811	15813.544
℄ Pier W8	41.156	10231.888	15896.544
℄ Pier W9	41.865	10231.985	16000.544
℄ Pier W10	42.280	10232.061	16083.544
℄ Pier W11	42.659	10256.242	16161.522
℄ Pier W12	43.052	10258.809	16239.520
℄ Abut E1	19.121	10167.080	15023.854
℄ Pier E2	27.364	10167.358	15323.604
℄ Pier E3	29.784	10167.439	15411.604
℄ Pier E4	32.809	10167.541	15521.604
℄ Pier E5	35.229	10167.622	15609.604
℄ Pier E6	37.962	10167.717	15711.604
℄ Pier E7	40.040	10167.811	15813.604
℄ Pier E8	41.156	10167.888	15896.604
℄ Pier E9	41.865	10167.985	16000.604
℄ Pier E10	42.280	10168.061	16083.604
℄ Pier E11	42.681	10168.140	16168.603
℄ Pier E12	42.880	10168.219	16253.603

DESIGNED BY H.N.
DRAWN BY A.B.
CHECKED BY F.K.
APPROVED BY

GENERAL NOTES

DESIGN SPECIFICATIONS:
AASHO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 8TH EDITION, DATED 1961 AND AASHO-1963 INTERIM SPECIFICATIONS, AND THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY STANDARD SPECIFICATIONS FOR WELDED HIGHWAY AND RAILWAY BRIDGES.

DESIGN LOADING:
AASHO H5-20-44 AND ALTERNATE LIVE LOAD AS DEFINED IN SECTION 4 (C) OF THE BUREAU OF PUBLIC ROADS POLICY AND PROCEDURE MEMORANDUM 20-4, DATED AUGUST 6, 1956.
DEFLECTION DUE TO LIVE LOAD PLUS IMPACT SHALL NOT EXCEED 1/1200 OF THE SPAN.

FOUNDATIONS:
LATERAL SOIL PRESSURE - 40P.C.F. EQUIVALENT FLUID PRESSURE, DRILLED IN SUB-PIERS ON BEDROCK BEARING 60 TONS PER S.F. MIN.

CONSTRUCTION SPECIFICATIONS:
STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION STATE OF ILLINOIS, DEPARTMENT OF PUBLIC WORKS AND BUILDINGS, DIVISION OF HIGHWAYS, DATED JANUARY 2, 1958 AND SUPPLEMENTAL SPECIFICATIONS EFFECTIVE APRIL 2, 1962.

CONCRETE:

DESIGN STRESSES
- f'c = 3,500 P.S.I. ULTIMATE STRENGTH IN 14 DAYS
- fc = 1,400 P.S.I. CONCRETE WITHOUT EARTH PRESSURE
- fc = 1,000 P.S.I. CONCRETE WITH EARTH PRESSURE
- n = 10

ALL CONCRETE SHALL BE CLASS "X".

THE CONCRETE BRIDGE DECK SHALL BE FINISHED BY THE USE OF A FINISHING MACHINE, EXCEPT FOR TERMINAL STRUCTURE.

THE CONCRETE FLOOR SLABS SHALL BE POURED IN ONE CONTINUOUS OPERATION FROM END TO END OF INDIVIDUAL UNITS.

LOCATION OF LONGITUDINAL CONSTRUCTION JOINTS, IF REQUESTED BY THE CONTRACTOR SHALL REQUIRE APPROVAL BY THE ENGINEER.

EXPOSED SURFACES ARE TO BE RUBBED IN ACCORDANCE WITH ARTICLE 52.13 OF THE STANDARD SPECIFICATIONS.

REINFORCEMENT
BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT, A.S.T.M. DESIGNATION A15, OF INTERMEDIATE GRADE OR AXLE-STEEL BARS FOR CONCRETE REINFORCEMENT A.S.T.M. DESIGNATION A160, OF INTERMEDIATE GRADE, SHALL BE USED.

ALLOWABLE TENSILE UNIT STRESS - f_s = 20,000 P.S.I.

BAR BENDING, PLACING, CLEARANCES ETC. UNLESS OTHERWISE SHOWN, SHALL BE IN ACCORDANCE WITH SECTION 59 OF THE STANDARD SPECIFICATIONS. ALL BARS SHALL BE LAPPED NOT LESS THAN 20 DIAMETERS AT SPLICES, UNLESS OTHERWISE SHOWN.

STRUCTURAL STEEL
ALL STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. DESIGNATION A-36. FOR DETAIL NOTES REFER TO "STRUCTURAL STEEL NOTES" SHEET S-14.

UTILITY LINES:
ALL EXPENSE INVOLVED IN RELOCATING OR INSTALLING THE AFFECTED UTILITY LINES SHALL BE BORNE BY THE OWNERS. THE CONTRACTOR AND OWNER(S) ARE REQUESTED TO COOPERATE BY ARRANGING THEIR WORK IN SUCH A MANNER THAT INCONVENIENCE TO EITHER WILL BE HELD TO A MINIMUM.

NOTES:

PIERS W12 AND E12 ARE CONSTRUCTED UNDER SECTION SW 1818.3-2H. EXPANSION GUARDS, COMPLETE, AT PIERS W12 AND E12 ARE FURNISHED UNDER SECTION SW 1818.3-2H. WEST HALF OF EXPANSION GUARDS SHALL BE INSTALLED UNDER SECTION SW 1818.3-1H. SEE SPECIAL PROVISIONS.

OVERHEAD SIGNS, TRUSSES, AND SUPPORTS ARE FURNISHED AND ERECTED UNDER ANOTHER CONTRACT. ANCHOR BOLTS FOR OVERHEAD SIGN SUPPORTS ARE FURNISHED AND INSTALLED UNDER THIS CONTRACT.

FOR LIMITS OF CLASS A EXCAVATION SEE SHEET NO. S-10
FOR LIMITS OF ROCK EXCAVATION SEE SHEET NO. S-2

□ DENOTES DRAINAGE INLETS.

⌶ DENOTES LIGHT STANDARDS.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

KEY PLAN

SCALE: AS NOTED
MAR. 1965
SHEET NO. S-1 OF 64 SHEETS

106-60X07_As-Builts.dgn

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

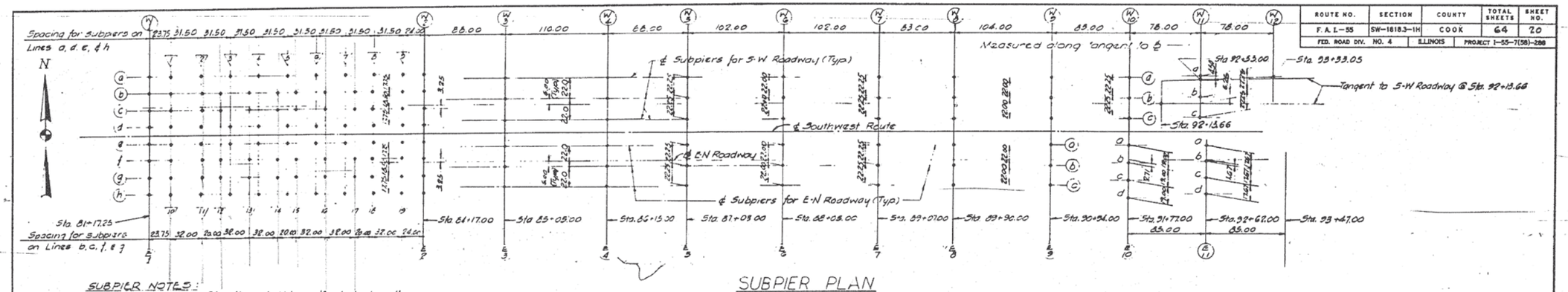
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 6 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	355
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

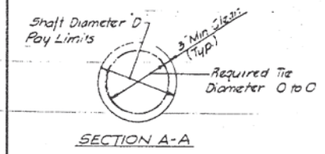
FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.—55	SW-1818.3-1H	COOK	64	20
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(38)-288		



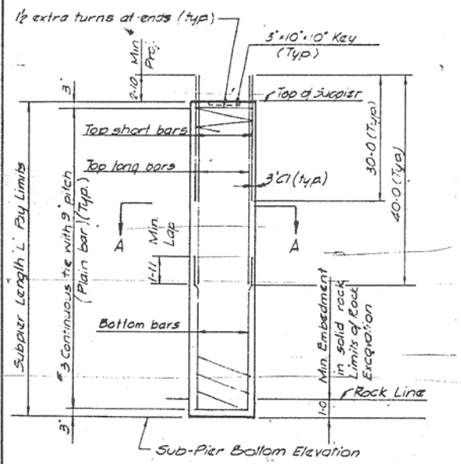
SUBPIER PLAN
Scale 1"=30'

SUBPIER NOTES:
The SubPier Bottom Elevation shall be adjusted when the true top of rock elevation is established, to provide 1'-0 embedment in Rock. If the top of rock is lower, then the vertical bars shall be extended by lapping an equal number of short bars of the same size using a "20 Diameter lap. Additional Continuous Tie Reinforcement shall be provided to maintain 9" pitch.



SECTION A-A

NOTES:
The Contractor shall splice Continuous Ties by lapping 1½ turns. The number of splices and their locations are left unspecified. Continuous Tie quantities include allowance for splices at 40 Ft. intervals. Use three spacers (channel, tees or angles) for each Tie assembly, the cost of which shall be incidental to the item "Reinforcement Bars."



DETAIL OF SUB-PIERS

DESIGNED BY B.H.
DRAWN BY H.
CHECKED BY B.H.
APPROVED BY S.A.

SUBPIER SCHEDULE

Subpier Mark	Dia-meter	Top Elev.	Bott. Elev.	Length	Reinforcement Bar List: Top Short Bars Mark	No. Req'd	Size	Top Long Bars Mark	No. Req'd	Size	Bottom Bars Mark	No. Req'd	Size	Length
W1- a thru d E1- e thru h a - 1 thru 9 d - 1 thru 9 e - 1 thru 9 h - 1 thru 9	2'-0"	12.0	-45.0	14×57.0	V51	44×4	#7	V55	44×4	#7	V59	14×4	#7	22.0
b -10 g -10 c -10 f -10	2-6	16.0	-47.0	2×63.0	V52	2×4	#9	V56	2×4	#9	V60	2×4	#9	28-0
b - 11 g - 11		15.8	-47.2											
c - 11 f - 11		16.9	-46.1											
b - 12 g - 12		16.7	-46.3											
c - 12 f - 12		17.3	-45.7											
b -13 g -13		17.1	-45.9											
c -13 f -13		18.2	-44.8											
b - 14 g - 14		16.0	-47.0											
c - 14 f - 14		19.1	-43.9											
b - 15 g - 15		15.9	-44.1	2×63.0							V60	2×4	#9	28-0
c - 15 f - 15		19.6	-46.6	2×66.0							V61	2×4	#9	31-0
b - 16 g - 16		13.4	-46.6											
c - 16 f - 16		20.5	-45.5											
b - 17 g - 17		20.3	-45.7											
c - 17 f - 17		21.4	-44.6											
b - 18 g - 18		21.3	-44.8											
c - 18 f - 18		21.9	-44.1											
b - 19 g - 19		21.7	-44.3											
c - 19 f - 19		22.8	-43.2											
W2- a,d E2- g,h	2-6	22.6	-43.4	2×66.0	V53	2×4	#9	V56	2×4	#9	V61	2×4	#9	31-0
W2- b,c E2- f,g	2-0	12.0	-45.0	4×57.0	V51	4×4	7	V55	4×4	#7	V59	4×4	#7	22-0
W3 a thru c E3 a thru c	2-6	12.0	-46.0	4×52.0	V52	4×4	9	V56	4×4	#9	V62	4×4	#9	22-0
W4 a thru c	2-9	12.0	-35.0	6×47.0	V54	6×7	#11	V58	6×7	#11	V63	6×7	#9	17-0
E4 a thru c	2-9	12.0	-46.0	3×52.0	V53	3×7	#10	V57	3×7	#10	V64	3×7	#8	12-0
W5 a thru c	2-9	12.0	-46.0	3×52.0	V53	3×7	#10	V57	3×7	#10	V65	3×7	#8	17-0
E5 a thru c	2-6	12.0	-35.0	3×47.0	V54	3×4	#11	V58	3×4	#11	V66	3×4	#9	12-0
W6 a thru c E6 a thru c	3-0	12.0	-46.0	3×52.0	V54	3×4	#11	V58	3×4	#11	V65	3×4	#9	17-0
W7 a thru c E7 a thru c	2-6	11.5	-46.5	6×52.0	V54	6×6	#11	V58	6×6	#11	V63	6×6	#9	17-0
W8 a thru c	2-6	12.0	-46.0	3×52.0	V54	3×5	#11	V58	6×5	#11	V63	6×5	#9	17-0
E8 a thru c	3-0	12.0	-46.0	3×52.0	V54	3×6	#11	V58	3×6	#11	V63	3×6	#9	17-0
W9 a thru c E9 a thru c	3-0	12.0	-49.0	3×57.0	V54	3×6	#11	V58	3×6	#11	V62	3×6	#9	22-0
W10 a thru c	2-9	12.0	-46.0	6×57.0	V53	6×6	#10	V57	6×6	#10	V67	6×6	#8	22-0
E10 a thru d	2-6	12.5	-46.5	3×57.0	V52	3×4	#9	V56	3×4	#9	V62	3×4	#9	22-0
W11 a thru c	3-0	12.0	-50.0	4×62.0	V53	4×8	#10	V57	4×8	#10	V68	4×8	#8	27-0
E11 a thru d	2-9	13.0	-49.0	3×62.0	V54	3×6	#11	V58	3×6	#11	V69	3×6	#9	27-0
	2-6	12.5	-49.5	4×62.0	V54	4×7	#11	V58	4×7	#11	V69	4×7	#9	27-0

CONTINUOUS TIE REINFORCEMENT BAR LIST

SUB-PIER D	REQD. TIE Data a	SIZE	
2-0	1-6	#3	
2-6	2-0	#3	
2-9	2-3	#3	
3-0	2-6	#3	

BILL OF MATERIAL

DESCRIPTION	UNIT	AMOUNT
Sub-piers	Cu. Ft.	40,448
Reinforcement	Lbs.	259,038

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H
SUBPIER PLAN
SCALE: AS NOTED — MAR. 1965
SHEET NO. S-2 OF 64 SHEETS

107-60X07_As-Builts.dgn

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

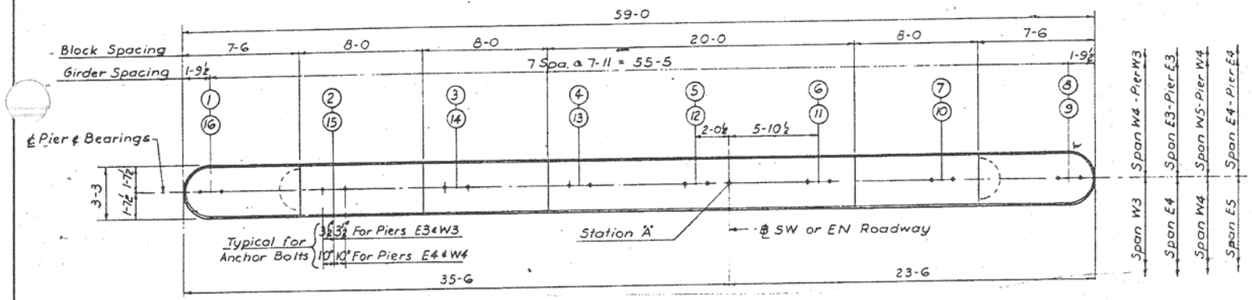
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 7 OF 173 SHEETS

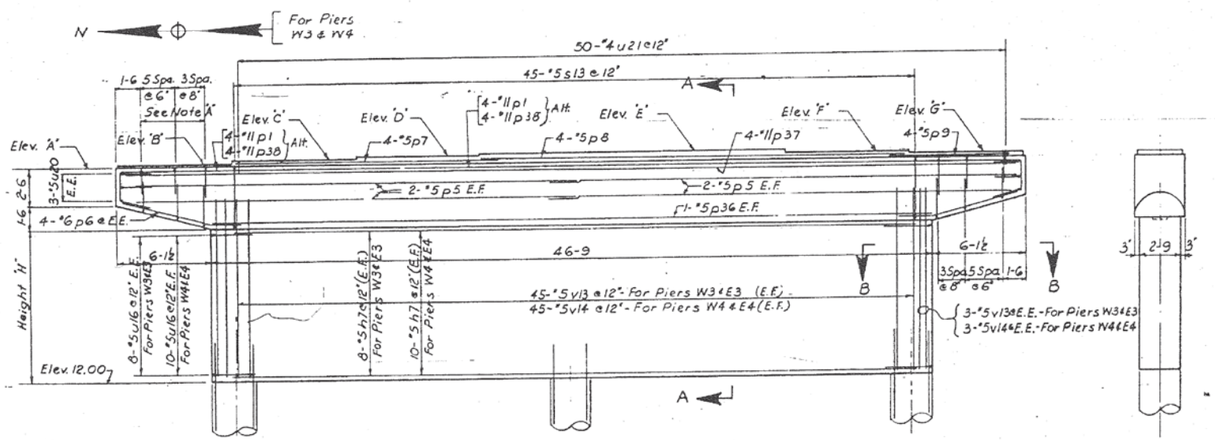
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	356
		CONTRACT NO. 60X07		
ILLINOIS	FED. AID PROJECT			

FOR INFORMATION ONLY

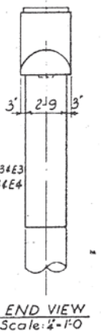
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818.3-1H	COOK	64	21
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58)-288		



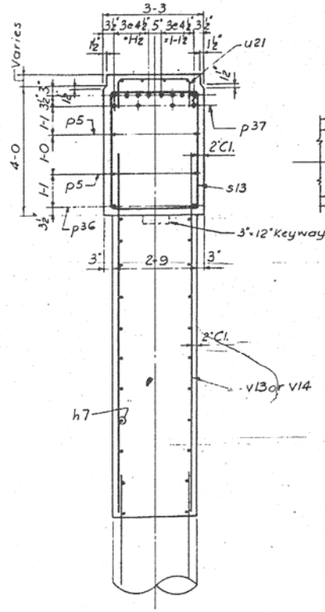
TOP PLAN
Scale: 4" = 1'-0



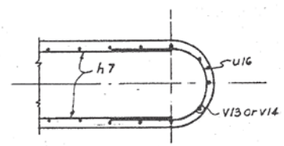
ELEVATION
Scale: 4" = 1'-0



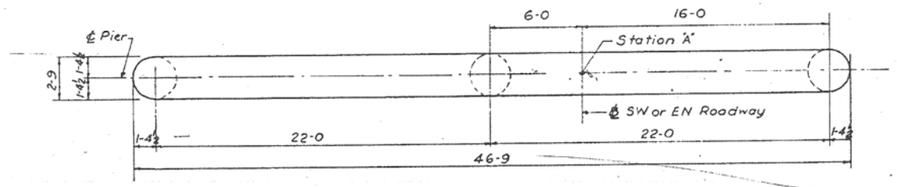
END VIEW
Scale: 4" = 1'-0



SECTION A-A
Scale: 1/2" = 1'-0



SECTION B-B
Scale: 1/2" = 1'-0



PLAN M-M
Scale: 4" = 1'-0

Pier No.	Station 'A'	Elevations @ Cap 'A'	'B'	'C'	'D'	'E'	'F'	'G'	Height 'H'
W3 & E3	85+05.00	23.52	23.59	23.94	24.12	24.26	24.18	23.93	7-6 4
W4 & E4	86+15.00	25.71	25.88	26.12	26.30	26.44	26.36	26.12	9-8 1/2

BILL OF MATERIAL

Description	Unit	Quantity W3 or E3	W4 or E4
Class 'X' Concrete	Cu.Yds.	66.9	76.6
Reinforcement Bars	Lbs.	7,620	8,072
Class 'A' Excavation for Structures	Cu.Yds.	16.0	25.0

NOTE:
For Notes see Sheet S-10
For Anchor Bolt details see Sheet S-10
For Reinforcement Bar List see Sheet S-11

DESIGNED BY B.B.
DRAWN BY K.M.
CHECKED BY V.B.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

PIERS W3, W4, E3 AND E4

SCALE: AS NOTED MAR. 1965
SHEET NO. S-5 OF 64 SHEETS

108-60X07_As-Builts.dgn

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

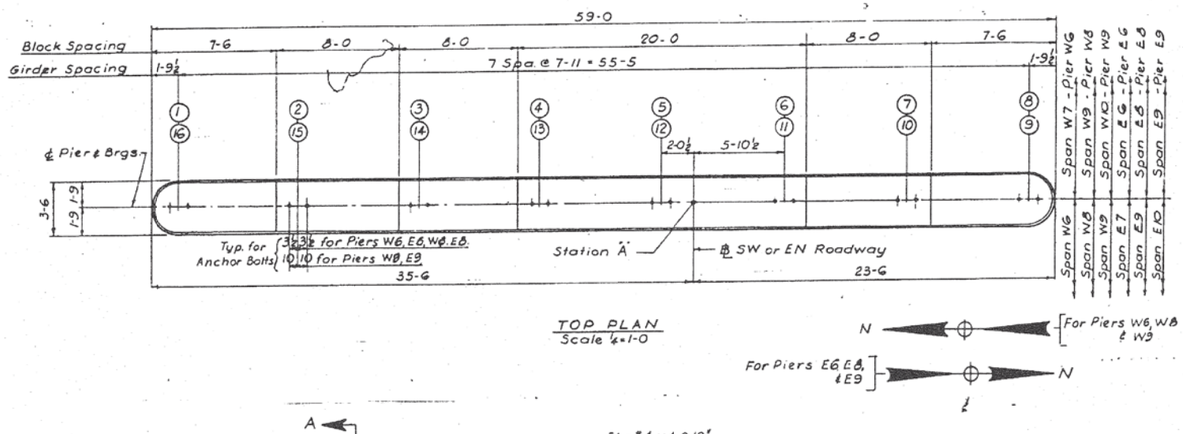
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 8 OF 173 SHEETS

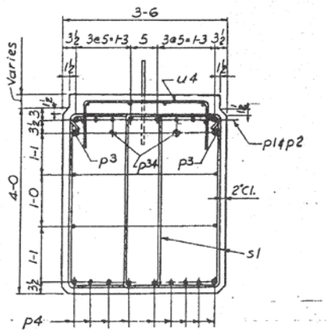
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	357
				CONTRACT NO. 60X07
		ILLINOIS	FED. AID PROJECT	

FOR INFORMATION ONLY

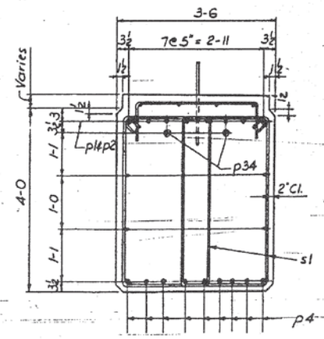
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.—55	SW-1818.3-1H	COOK	64	22
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58)-286		



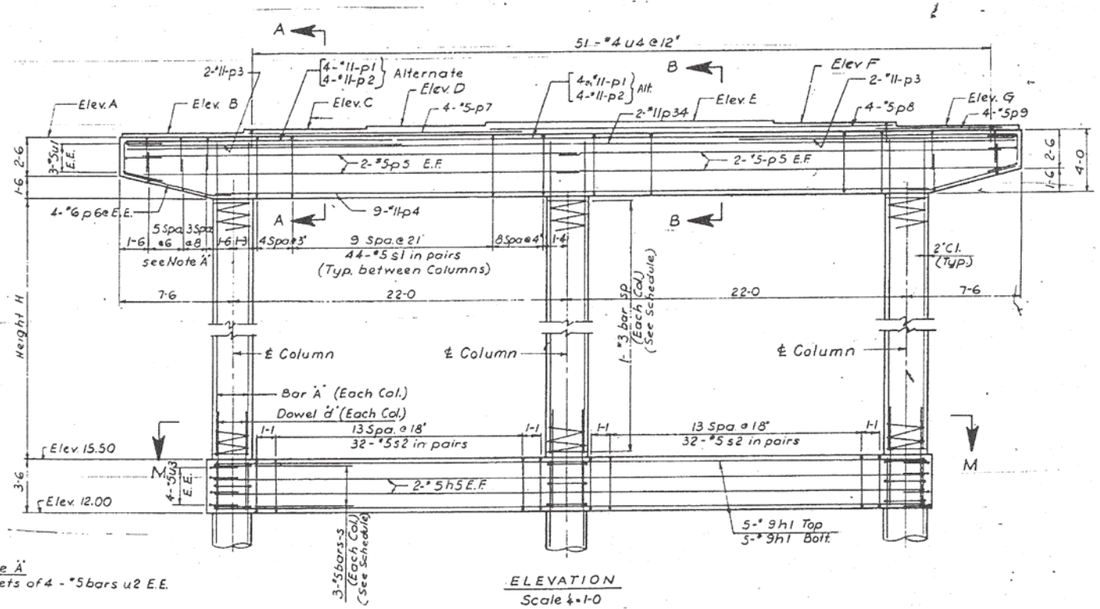
TOP PLAN
Scale ¼"=1-0



SECTION A-A
Scale ¾"=1-0

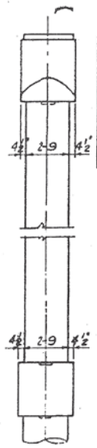


SECTION B-B
Scale ¾"=1-0



Note 'A'
9 sets of 4 - "5 bars u2 E.E.

ELEVATION
Scale ¼"=1-0



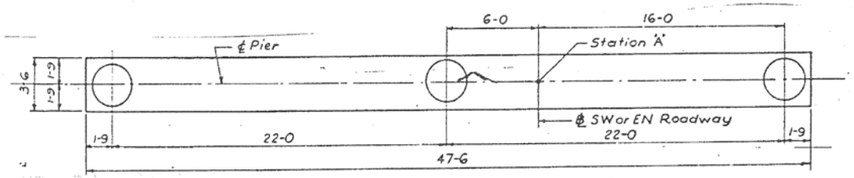
END VIEW
Scale ¼"=1-0

Pier No.	Station 'A'	Elevations @ Cap							Column				
		A	B	C	D	E	F	G	Height 'H'	Bar 'A'	Dowel 'd'	"3 bar-sp	Bar-S
W6 & E6	88+05.00	31.60	31.78	32.05	32.21	32.35	32.27	32.02	12-1¼	12-"11 y4	12-"11 d1	sp 4	s3
W8 & E8	89+90.00	34.83	35.00	35.25	35.43	35.57	35.49	35.24	15-4	12-"11 y6	12-"11 d1	sp6	s3
W9	90+94.00	34.75	34.93	35.18	35.36	35.50	35.42	35.17	15-3	12-"11 y6	12-"11 d1	sp6	s15
E9	90+94.00	34.87	35.04	35.20	35.36	35.50	35.42	35.17	15-4½	12-"11 y6	12-"11 d1	sp6	s15

BILL OF MATERIAL

DESCRIPTION	UNIT	QUANTITY		
		W6 or E6	W8 or E8	W9 or E9
Class 'A' Concrete	Cu. Yds.	62.3	64.3	64.3
Reinforcement Bars	Lbs.	15,730	17,216	16,383
Class 'A' Excavation for Structures	Cu. Yds.	25.0	W8 E8 230 200	W9 E9 220 220

NOTE:
For additional pier sections and notes see Sheet No. S-10
For Anchor Bolt details see Sheet No. S-10
For Reinforcement Bar List see Sheet No. S-11



PLAN M-M
Scale ¼"=1-0

DESIGNED BY B.H.
DRAWN BY B.B.
CHECKED BY L.W.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

PIERS W6, W8, W9, E6, E8, E9,

SCALE: AS NOTED
MAR. 1965
SHEET NO. S-4 OF 64 SHEETS

109-60X07_As-Built-s.dgn

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

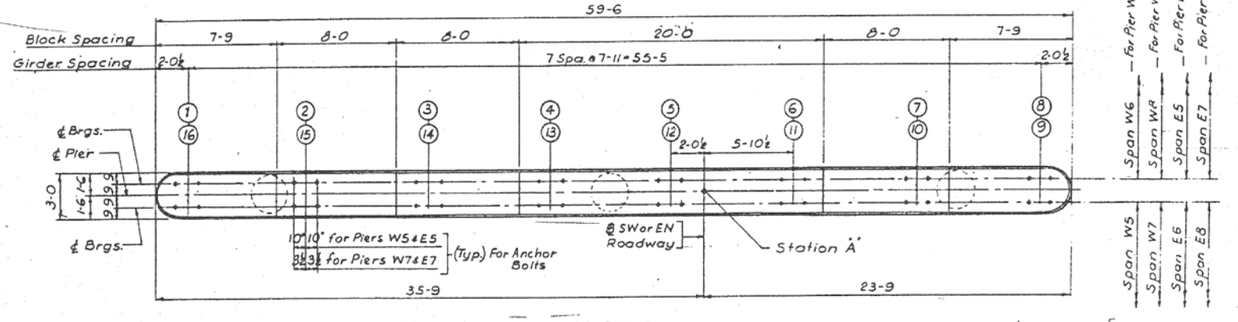
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 9 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	358
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

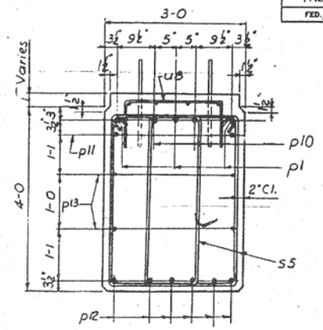
FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.—55	SW—1818.3—1H	COOK	64	25
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I—55—7(58)—288		

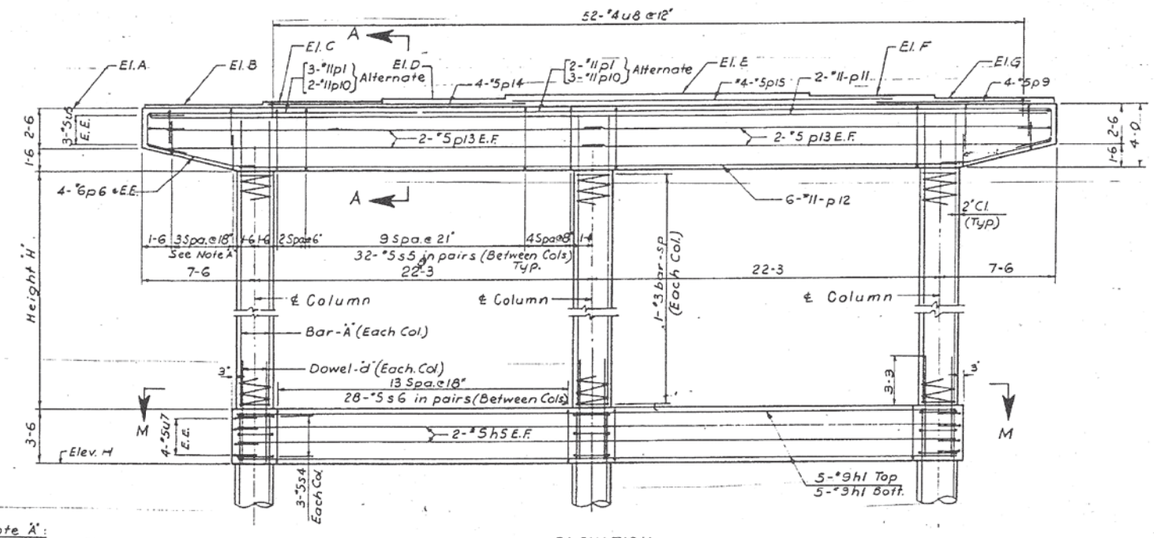


TOP PLAN
Scale ¼"=1'-0

N — For Piers W5 & W7
For Piers E5 & E7 — N

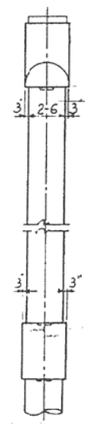


SECTION A-A
Scale ¼"=1'-0



Note 'A':
4 Sets of 4-"5 bars u6 E.E.

ELEVATION
Scale ¼"=1'-0



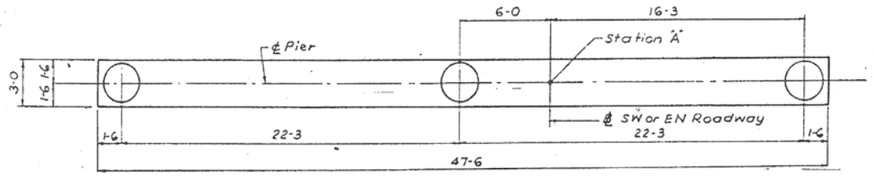
END VIEW
Scale ¼"=1'-0

Pier No.	Station 'A'	Elevations @ Cap A	B	C	D	E	F	G	Elev. H	Column Height 'H'	Bar-'A'	Dowel-'d'	Spiral-sp
W5 or E5	87+03.00	28.27	28.44	28.69	28.87	29.01	28.93	28.46	12.00	8-9¼	8-"10 v3	8-"10 d2	sp3
W7 or E7	89+07.00	33.69	34.06	34.31	34.45	34.63	34.55	34.30	11.50	14-10¾	10-"10 v5	10-"10 d2	sp5

BILL OF MATERIAL

DESCRIPTION	UNIT	QUANTITY Pier W5	Pier E5	Pier W7	Pier E7
Class 'X' Concrete	Cu. Yds.	51.5	51.5	54.8	54.8
Reinforcement Bars	Lbs.	10,150	10,150	11,535	11,535
Class 'A' Excavation for Structures	Cu. Yds.	19.0	20.0	22.0	22.0

NOTE:
For additional pier sections and notes see Sheet No. S-10
For Anchor Bolt details see Sheet No. S-10
For Reinforcing Bar list see Sheet No. S-11



PLAN M-M
Scale ¼"=1'-0

DESIGNED BY B.H.
DRAWN BY B.B.
CHECKED BY L.N.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H
PIERS W5, W7, E5 AND E7
SCALE: AS NOTED MAR. 1965
SHEET NO. S-5 OF 64 SHEETS

110-60X07_As-Builts.dgn

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

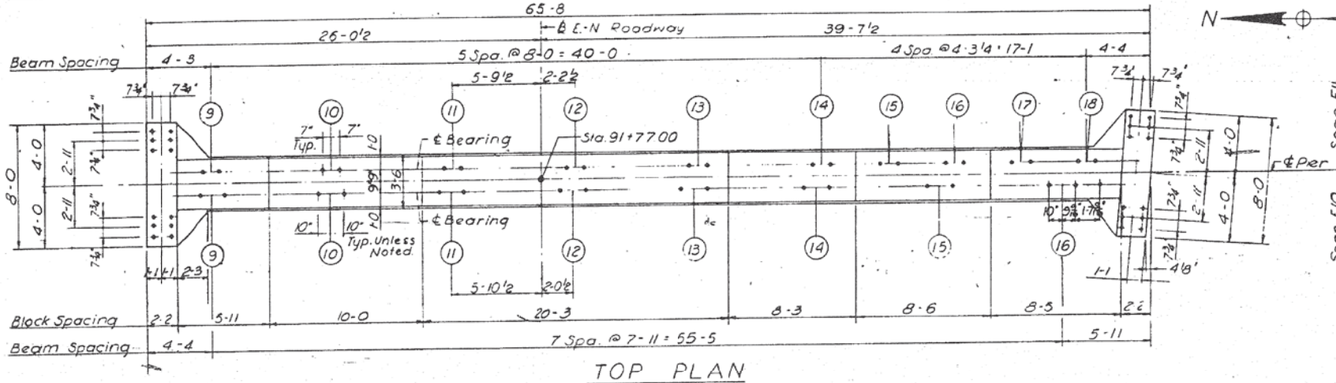
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 10 OF 173 SHEETS

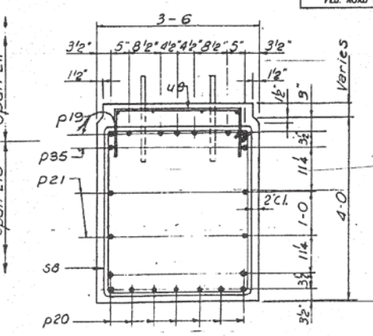
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	359
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

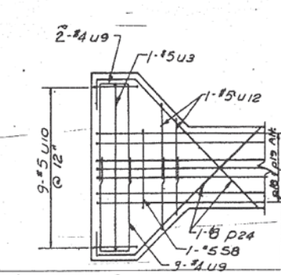
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.–55	SW–1818.3–1H	COOK	64	26
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I–55–7(58)–288		



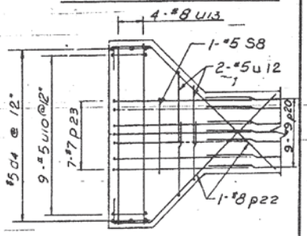
TOP PLAN
Scale: 1/4"=1'-0"



SECTION A-A
Scale: 3/4"=1'-0"

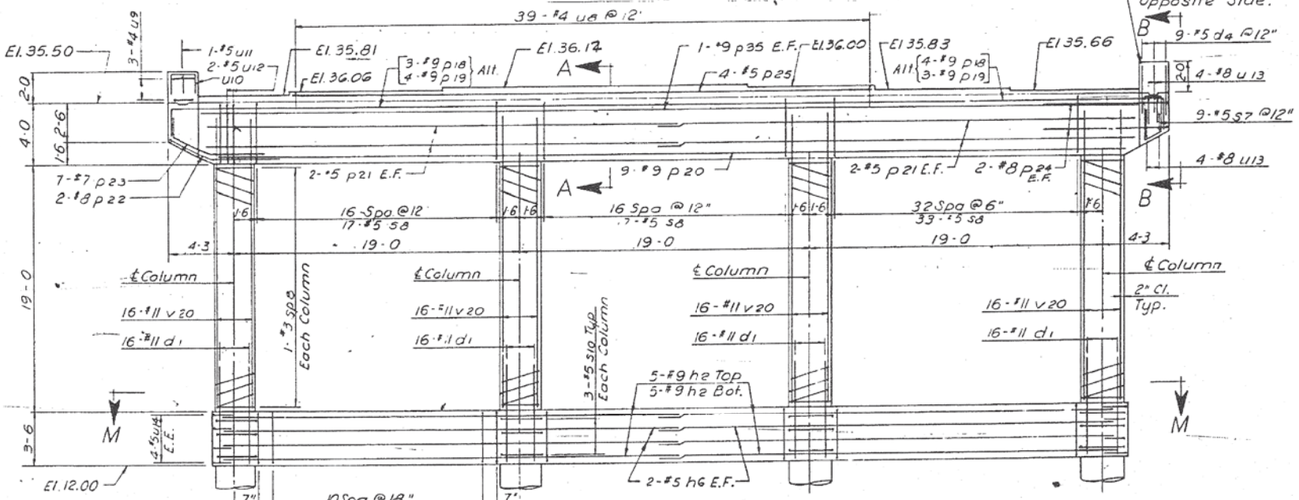


TOP REINFORCEMENT

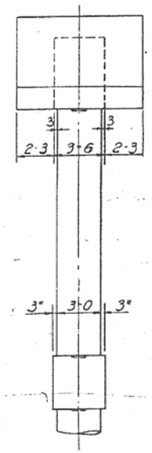


BOTTOM REINFORCEMENT

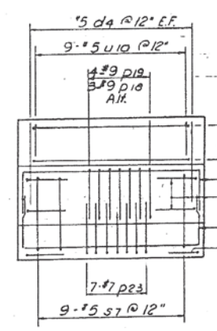
PART PLANS
Scale: 1/8"=1'-0"



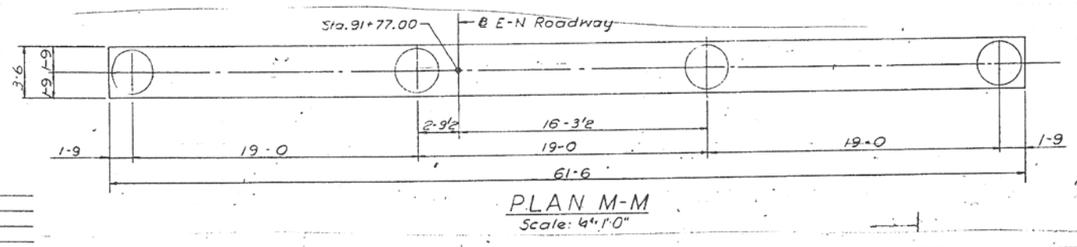
ELEVATION
Scale: 1/4"=1'-0"



END VIEW
Scale: 1/4"=1'-0"



END VIEW B-B
Scale: 3/8"=1'-0"



PLAN M-M
Scale: 1/4"=1'-0"

Notes:
For additional Pier sections and Notes see Sheet No. S-10.
For Anchor Bolt details see Sheet No. S-10
For Reinforcing Bar List see Sheet No. S-11.
For Anchor Bolt details for Sign see Sheet No. S-18.

BILL OF MATERIAL

DESCRIPTION	UNIT	QUANTITY
Class 'X' Concrete	Cu. Yds.	91.5
Reinforcement Bars	Lbs.	21,713
Class 'A' Excavation for Structures	Cu. Yds.	300

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

PIER E10

SCALE: AS NOTED
MAR, 1965
SHEET NO. S-8 OF 64 SHEETS

DESIGNED BY B.H.
DRAWN BY T.M.
CHECKED BY L.W.
APPROVED BY K.A.

111-60X07_As-Builts.dgn

AECOM

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

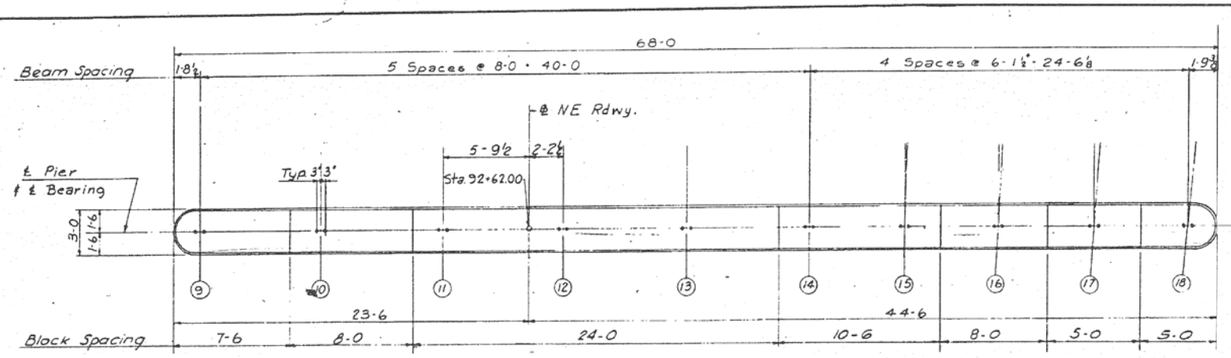
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILTS
I–55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 11 OF 173 SHEETS

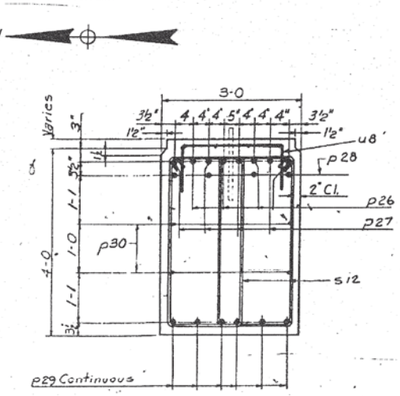
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	360
		CONTRACT NO. 60X07		
		ILLINOIS FED. AID PROJECT		

FOR INFORMATION ONLY

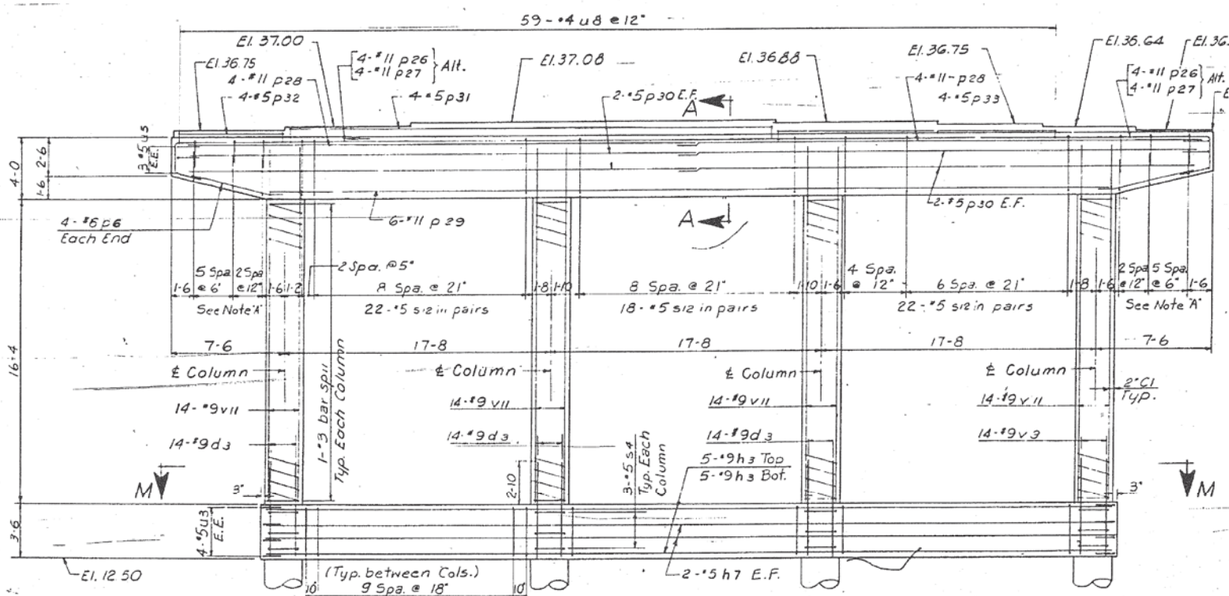
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.—55	SW-1818.3-1H	COOK	64	27
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58)-288		



TOP PLAN
Scale: 4" = 1'-0"



SECTION A-A
Scale: ¾" = 1'-0"



ELEVATION
Scale: 4" = 1'-0"

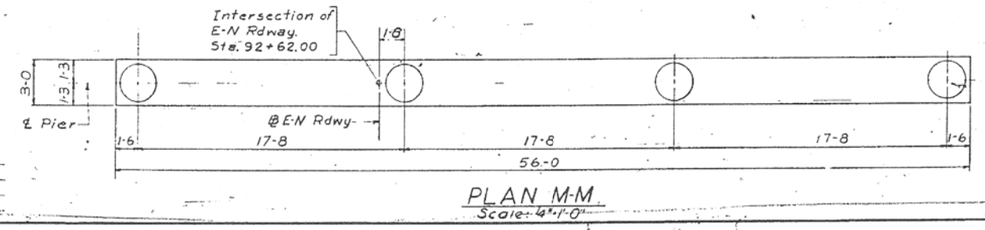
Note 'A':
8 sets of 4 - #5 bars u15

END VIEW
Scale: 4" = 1'-0"

BILL OF MATERIAL

DESCRIPTION	UNIT	QUANTITY
Class 'X' Concrete	Cu.Yds.	66.1
Reinforcement Bars	Lbs.	16,469
Class 'A' Excavation for Structures	Cu.Yds.	24.0

Notes:
For additional Pier sections and Notes see Sheet No. S-10
For Anchor Bolt details see Sheet No. S-10.
For Reinforcing Bar List see Sheet No. S-11



PLAN M-M
Scale: 4" = 1'-0"

DESIGNED BY B.H.
DRAWN BY L.W.
CHECKED BY L.W.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H
PIER E11
SCALE: AS NOTED MAR. 1965
SHEET NO. S-9 OF 64 SHEETS

112-60X07_As-Builts.dgn

AECOM

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

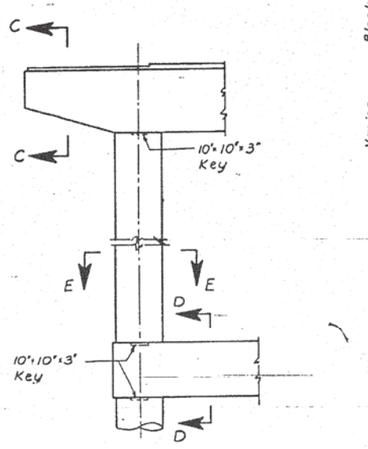
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 12 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	361
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		

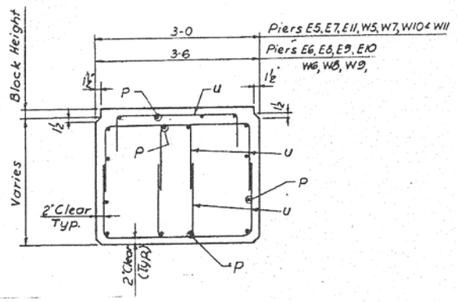
FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. L—55	SW—1818.3—1H	COOK	64	28
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I—55—7(38)—288		



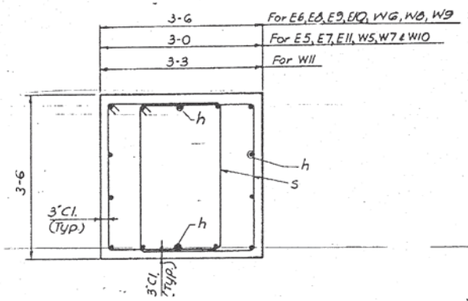
PARTIAL ELEVATION OF PIER

Typical Except for Piers W3, W4, E3, C4

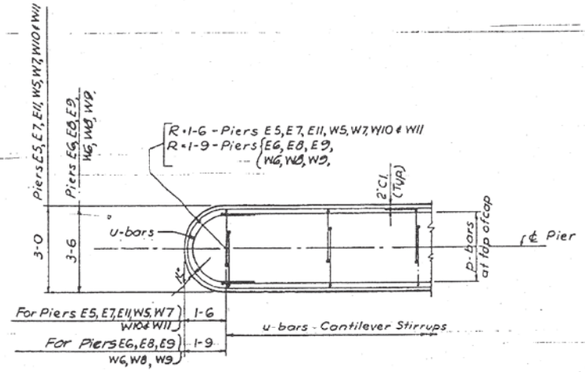


SECTION C-C

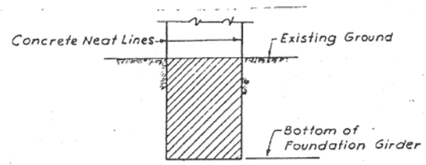
TYPICAL CANTILEVER REINFORCEMENT



SECTION D-D

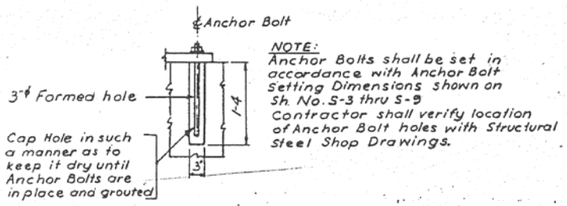


TYPICAL END DETAIL OF PIER CAP



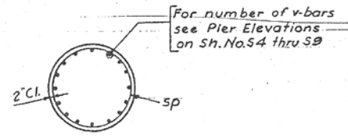
PAY LIMITS

Class 'A' Excavations for Structures



NOTE:
Anchor Bolts shall be set in accordance with Anchor Bolt Setting Dimensions shown on Sh. No. S-3 thru S-9 Contractor shall verify location of Anchor Bolt holes with Structural Steel Shop Drawings.

ANCHOR BOLT SETTING DETAIL



SECTION E-E

NOTES:
1. Bearing Blocks to be poured monolithic with pier cap.
2. Adjust stirrup spacing to avoid interference with Anchor Bolt forms.
3. For reinforcement bar lists see Sheet S-11
4. Use 20 bar diameters as minimum lap for reinforcement unless otherwise shown or noted.
5. E.E. indicates Each End.
6. E.F. indicates Each Face.
7. All corners shall be chamfered ¾" unless otherwise shown or noted.

DESIGNED BY B.H.
DRAWN BY H.D.
CHECKED BY L.W.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

COMMON PIER DETAILS

SCALE: AS NOTED MAR. 1965
SHEET NO. S-10 OF 64 SHEETS

113-60X07_As-Builts.dgn

AECOM	USER NAME = auyeungh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	AS-BUILTS I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
		CHECKED -	REVISED -		
	PLOT SCALE =	DRAWN - HAY	REVISED -		SHEET NO. 13 OF 173 SHEETS
	PLOT DATE = 5/22/2015	CHECKED - ATB	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	362
		CONTRACT NO. 60X07		
		ILLINOIS	FED. AID PROJECT	

FOR INFORMATION ONLY

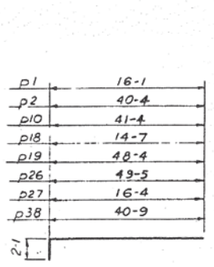
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818.3-1H	COOK	64	29
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I.G.-55-7(88)-886		

Bar	Nº	Size	Length	Shape
	PIER W3 or E3 (One Pier only)			
p1	8	#11	18-2	
p5	8	#5	29-0	
p6	8	#6	9-4	
p7	4	#5	17-0	
p8	4	#5	27-8	
p9	4	#5	8-0	
p36	2	#5	46-9	
p37	4	#11	55-9	
p38	8	#11	42-10	
h7	16	#5	44-0	
v13	96	#5	9-1	
u6	76	#5	6-7	
u16	16	#5	8-6	
u20	6	#5	9-2	
u21	50	#4	4-3	
s13	45	#5	14-1	
	PIER W4 or E4 (One Pier only)			
p1	8	#11	18-2	
p5	8	#5	29-0	
p6	8	#6	9-4	
p7	4	#5	17-0	
p8	4	#5	27-8	
p9	4	#5	8-0	
p36	2	#5	46-9	
p37	4	#11	55-9	
p38	8	#11	42-10	
h7	20	#5	44-0	
v14	96	#5	11-3	
u6	76	#5	6-7	
u20	6	#5	9-2	
u21	50	#4	4-3	
u16	20	#5	8-6	
s13	45	#5	14-1	
	PIER W5 or E5 (One Pier only)			
p1	5	#11	18-2	
p6	8	#6	9-4	
p10	5	#11	43-5	
p11	2	#11	57-10	
p12	6	#11	47-0	
p13	8	#5	29-6	
p14	4	#5	17-0	
p15	4	#5	27-8	
p9	4	#5	8-0	
v3	24	#10	11-7	
d2	24	#10	6-9	
u5	6	#5	9-0	
u6	32	#5	6-7	
u7	8	#5	6-4	
u8	52	#4	4-0	
s4	9	#5	7-11	
s5	64	#5	11-11	
s6	56	#5	10-9	
h1	10	#9	47-0	
h5	4	#5	47-0	
sp3	3	#3	8-9	○ n=15

Bar	Nº	Size	Length	Shape
	PIER W6 or E6 (One Pier only)			
p1	8	#11	18-2	
p2	8	#11	42-5	
p3	2	#11	51-0	
p4	9	#11	46-9	
p5	8	#5	29-0	
p6	8	#6	9-4	
p7	4	#5	17-0	
p8	4	#5	27-8	
p9	4	#5	8-0	
p34	2	#11	56-10	
v4	36	#11	15-8	
d1	36	#11	7-1	
u1	6	#5	9-7	
u2	72	#5	6-8	
u3	8	#5	6-10	
u4	51	#4	4-8	
s1	88	#5	12-1	
s2	64	#5	10-11	
s3	9	#5	8-8	
h1	10	#9	47-0	
sp4	3	#3	12-1	○ n=19
h5	4	#5	47-0	
	PIER W7 or E7 (One Pier only)			
p1	5	#11	18-2	
p9	4	#5	8-0	
p6	8	#6	9-4	
p10	5	#11	43-5	
p11	2	#11	57-10	
p12	6	#11	47-0	
p13	8	#5	29-6	
p14	4	#5	17-0	
p15	4	#5	27-8	
v5	30	#10	18-2	
d2	30	#10	6-9	
u5	6	#5	9-0	
u6	32	#5	6-7	
u7	8	#5	6-4	
u8	52	#4	4-0	
s4	9	#5	7-11	
s5	64	#5	11-11	
s6	56	#5	10-9	
h1	10	#9	47-0	
sp5	3	#3	14-10	○ n=23
h5	4	#5	47-0	
	PIER W8 & E8 (One Pier only)			
p1	8	#11	18-2	
p2	8	#11	42-5	
p3	2	#11	18-0	
p4	9	#11	46-9	
p5	8	#5	29-0	
p6	8	#6	9-4	
p7	4	#5	17-0	
p8	4	#5	27-8	
p9	4	#5	8-0	
p34	2	#11	56-10	
v6	36	#11	18-11	
d1	36	#11	7-1	
u1	6	#5	9-7	
u2	72	#5	6-8	
u3	8	#5	6-10	
u4	51	#4	4-8	
s1	88	#5	12-1	
s2	64	#5	10-11	
s3	9	#5	8-8	
h1	10	#9	47-0	
sp6	3	#3	15-4	○ n=23
h5	4	#5	47-0	

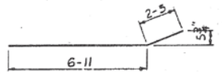
Bar	Nº	Size	Length	Shape
	PIER W9 or E9 (One Pier only)			
p1	8	#11	18-2	
p2	8	#11	42-5	
p3	2	#11	18-0	
p4	9	#11	46-9	
p5	8	#5	29-0	
p6	8	#6	9-4	
p7	4	#5	17-0	
p8	4	#5	27-8	
p9	4	#5	8-0	
p34	2	#11	56-10	
v6	36	#11	18-11	
d1	36	#11	7-1	
u1	6	#5	9-7	
u2	72	#5	6-8	
u3	8	#5	6-10	
u4	51	#4	4-8	
s1	88	#5	12-1	
s2	64	#5	10-11	
s15	9	#5	8-11	
h1	10	#9	47-0	
sp6	3	#3	15-3	○ n=23
h5	4	#5	47-0	
	PIER W10			
p1	5	#11	18-2	
p6	8	#6	9-4	
p10	5	#11	43-5	
p11	2	#11	57-10	
p12	6	#11	47-0	
p13	8	#5	29-6	
p16	3	#5	9-6	
p17	3	#5	23-8	
v8	24	#9	18-3	
d2	24	#9	6-4	
u5	6	#5	9-0	
u6	32	#5	6-7	
u7	8	#5	6-4	
u8	56	#4	4-0	
s4	9	#5	7-11	
s5	64	#5	11-11	
s6	56	#5	10-9	
h1	10	#9	47-0	
sp7	3	#3	15-5	○ n=24
h5	4	#5	47-0	
	PIER E10			
p18	7	#10	16-8	
p19	7	#10	30-5	
p20	9	#10	58-0	
p21	8	#5	30-10	
p22	4	#8	10-11	
p23	14	#7	8-1	
p24	8	#8	10-5	
p25	4	#5	38-2	
p35	2	#9	57-0	
v20	64	#11	22-7	
d1	64	#11	7-1	
d4	64	#5	3-5	
h6	8	#5	31-3	
u8	39	#4	6-0	
u9	12	#4	9-3	
u10	18	#5	4-8	
u11	2	#5	10-8	
u12	8	#5	11-2	
u13	16	#8	11-8	
u14	8	#5	6-7	
s7	18	#5	9-4	
s8	69	#5	14-7	
s9	78	#5	10-7	
s10	12	#5	9-6	
h2	20	#9	31-3	
sp8	4	#9	19-0	○ n=28

Bar	Nº	Size	Length	Shape
	PIER W11			
p1	8	#11	18-2	
p6	8	#6	9-4	
p10	8	#11	43-5	
p11	2	#11	57-10	
p12	8	#11	47-0	
p13	8	#5	29-6	
v9	12	#11	18-9	
v10	12	#11	19-1	
v11	12	#11	19-5	
d1	36	#11	7-1	
u5	6	#5	9-0	
u9	80	#5	9-3	
u14	8	#5	6-7	
s3	9	#5	8-8	
s9	64	#5	10-7	
s11	100	#5	11-7	
h1	10	#9	47-0	
sp9	1	#3	15-10	○ n=24
sp10	2	#3	16-3	○ n=25
h5	4	#5	47-0	
	PIER E11			
p6	8	#6	9-4	
p26	8	#11	51-6	
p27	8	#11	18-5	
p28	8	#11	35-0	
p29	6	#11	55-6	
p30	8	#5	33-9	
p31	4	#5	31-8	
p32	4	#5	8-0	
p33	4	#5	19-6	
v11	56	#9	19-2	
d3	56	#9	6-4	
u3	8	#4	6-10	
u5	6	#5	9-0	
u8	59	#4	3-0	
u15	64	#5	6-5	
s4	12	#5	7-11	
s6	66	#5	10-9	
s12	62	#5	11-5	
h3	10	#9	55-6	
sp11	4	#3	16-4	○ n=25
h7	4	#5	55-6	

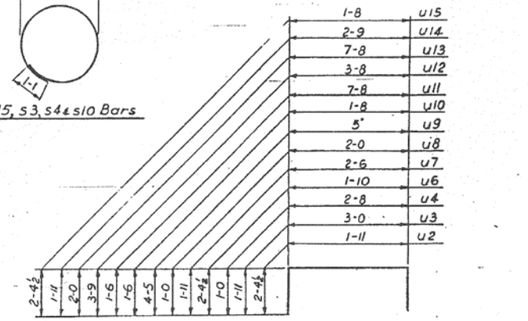


p1, p2, p10, p18, p19, p26, p27 & p38 Bars

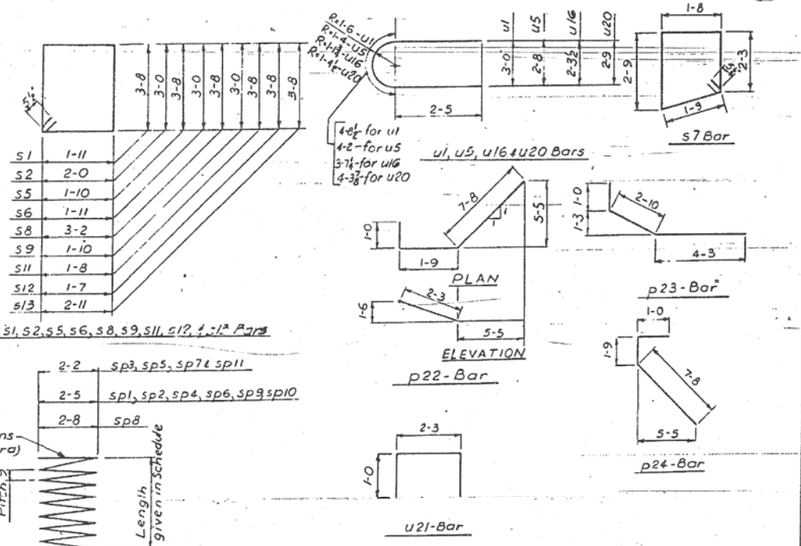
s15, s3, s4 & s10 Bars

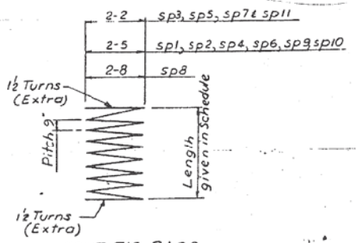


p6-Bar



u2, u3, u4, u6, u7, u8, u9, u10, u11, u12, u13, u14 & u15 Bars





CONT. TIE BARS

NOTE:
'n'-given for cont. tie indicates number of turns.
'n'-equals length divided by the pitch (pitch=9")
+ 3 turns.
Use 3 spacers for each cont. tie unit.
Spacers may be channels, tees or angles.
Cost incidental to Item "Reinforcement Bars"

DESIGNED BY H.N.
DRAWN BY B.B.
CHECKED BY L.W.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

REINFORCEMENT BAR LISTS — PIERS

SCALE: MAR. 1965
SHEET NO. 9-11 OF 64 SHEETS

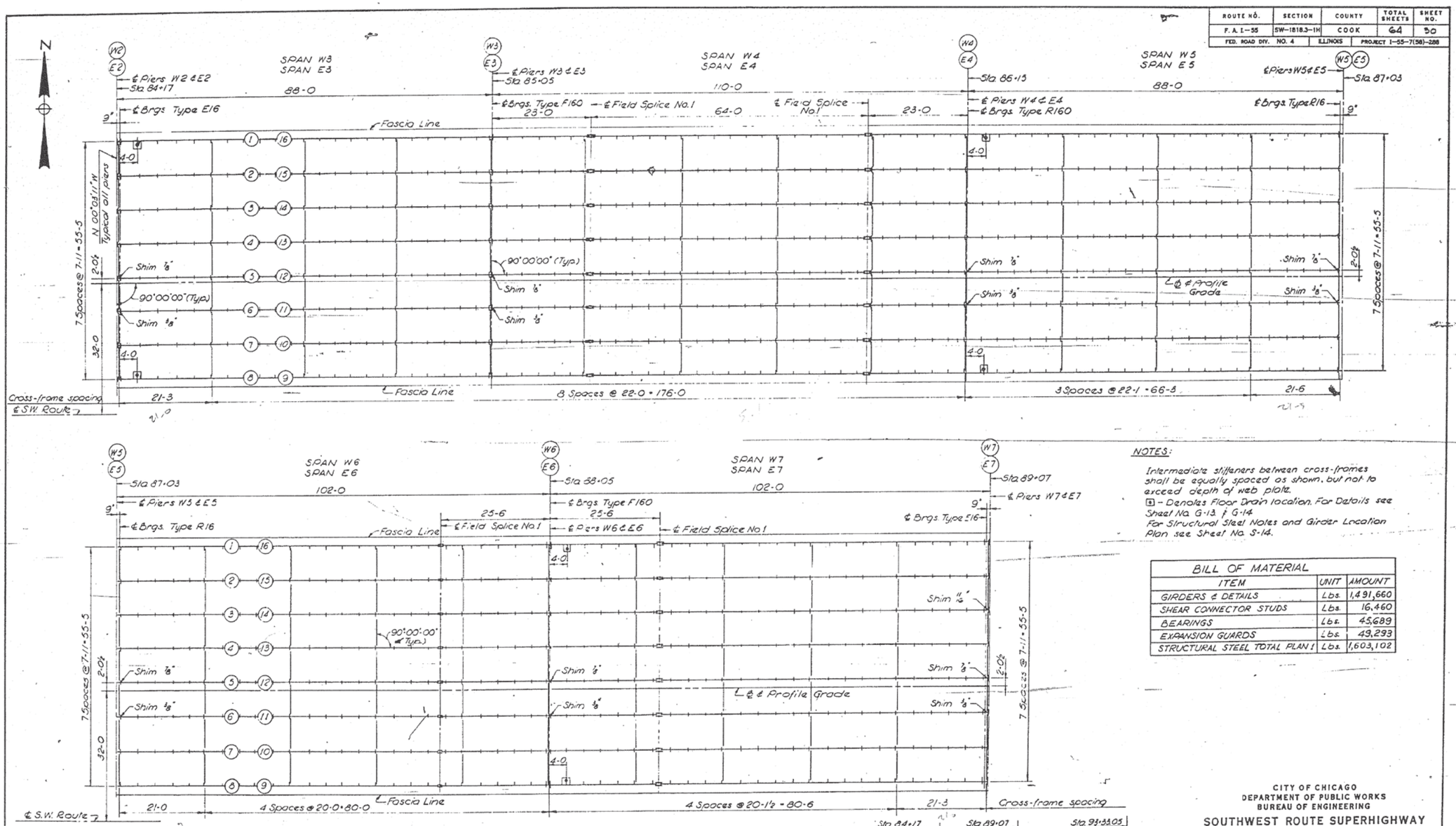
114-60X07_As-Built-s.dgn

AECOM	USER NAME = auyeungh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED -	REVISED -	AS-BUILTS I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
	PLOT SCALE =	DRAWN - HAY	REVISED -	SHEET NO. 14 OF 173 SHEETS
	PLOT DATE = 5/22/2015	CHECKED - ATB	REVISED -	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	363
			CONTRACT NO. 60X07	
		ILLINOIS	FED. AID PROJECT	

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.–55	SW–1818.3–1H	COOK	64	30
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I–55–7(58)–288		



NOTES:

Intermediate stiffeners between cross-frames shall be equally spaced as shown, but not to exceed depth of web plate.

℄ – Denotes Floor Drain location. For Details see Sheet No. G-13 & G-14

For Structural Steel Notes and Girder Location Plan see Sheet No. S-14.

BILL OF MATERIAL

ITEM	UNIT	AMOUNT
GIRDERS & DETAILS	Lbs.	1,491,660
SHEAR CONNECTOR STUDS	Lbs.	16,460
BEARINGS	Lbs.	45,689
EXPANSION GUARDS	Lbs.	49,293
STRUCTURAL STEEL TOTAL PLAN 1	Lbs.	1,603,102

FRAMING PLANS

SPAN W3 THRU W7 - AS SHOWN

SPAN E3 THRU E7 - OPPOSITE HAND

Sta 84+17	Sta 89+07	Sta 93+33.05
PLAN 1	PLAN 2	Sta 93+47
PLAN 1	PLAN 2	PLAN 3 Sta 90+94

LEGEND

DESIGNED BY B.H.
DRAWN BY E.F.
CHECKED BY C.D.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW–1818.3–1H

FRAMING PLAN 1

SCALE: 1" = 10'–0 MAR. 1966

SHEET NO. S-12 OF 64 SHEETS

115-60X07_As-Builts.dgn

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

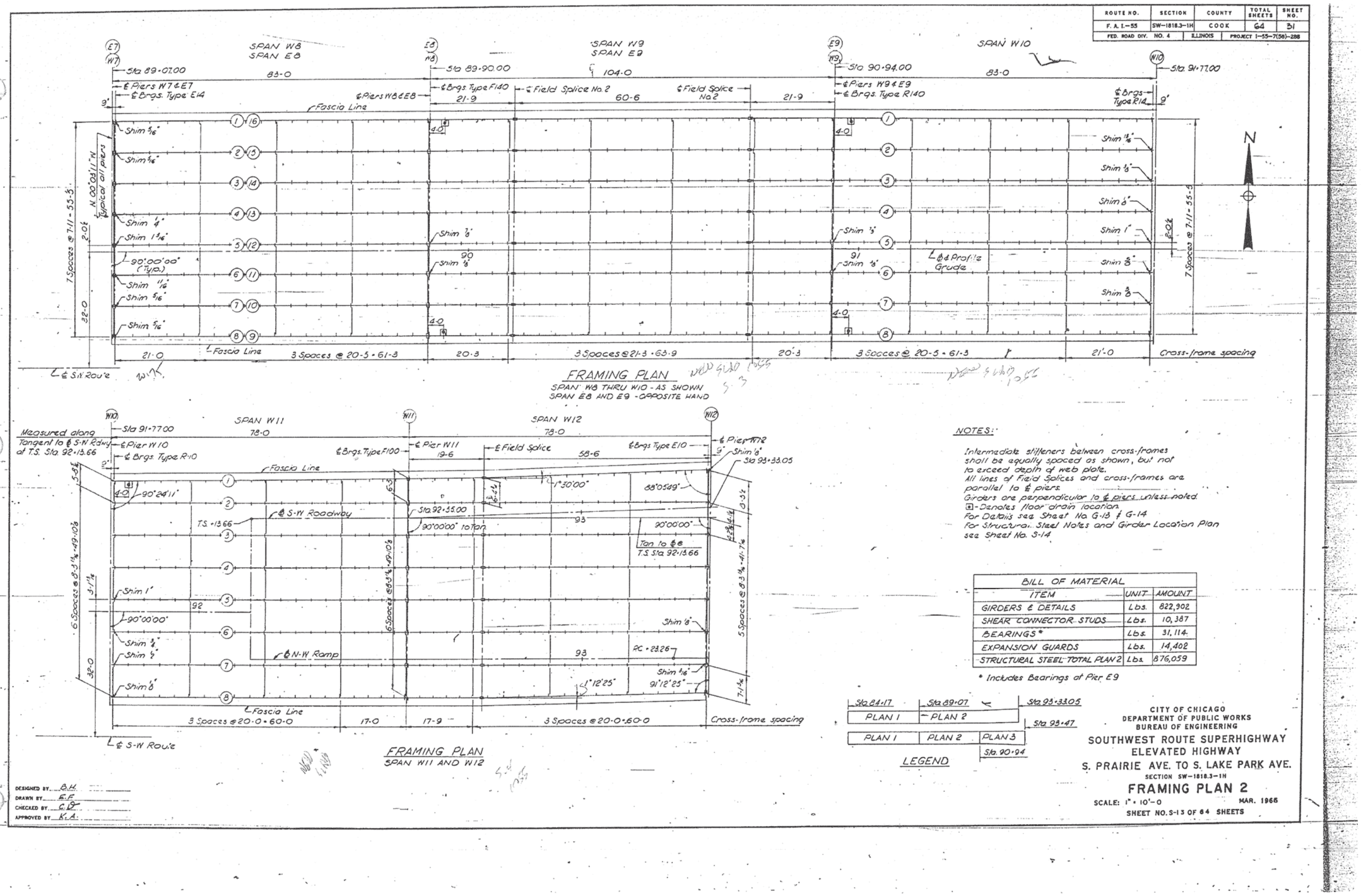
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILTS
I–55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 15 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	364
		CONTRACT NO. 60X07		
		ILLINOIS FED. AID PROJECT		

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.–55	SW–1818.3–1H	COOK	64	31
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I–55–7(50)–288		



FRAMING PLAN

SPAN W8 THRU W10 - AS SHOWN
SPAN E8 AND E9 - OPPOSITE HAND

FRAMING PLAN

SPAN W11 AND W12

NOTES:

Intermediate stiffeners between cross-frames shall be equally spaced as shown, but not to exceed depth of web plate.
All lines of Field Splices and cross-frames are parallel to ℄ piers.
Girders are perpendicular to ℄ piers unless noted
[8] - Denotes floor drain location.
For Details see Sheet No. G-13 & G-14
For Structural Steel Notes and Girder Location Plan see Sheet No. S-14

BILL OF MATERIAL		
ITEM	UNIT	AMOUNT
GIRDERS & DETAILS	Lbs.	822,902
SHEAR CONNECTOR STUDS	Lbs.	10,387
BEARINGS *	Lbs.	31,114
EXPANSION GUARDS	Lbs.	14,402
STRUCTURAL STEEL TOTAL PLAN 2	Lbs.	876,059

* Includes Bearings at Pier E9

LEGEND

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW–1818.3–1H

FRAMING PLAN 2

SCALE: 1" = 10'-0 MAR. 1965
SHEET NO. S-13 OF 64 SHEETS

DESIGNED BY B.H.
DRAWN BY E.F.
CHECKED BY C.D.
APPROVED BY K.A.

116-60X07_As-Built-s.dgn

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

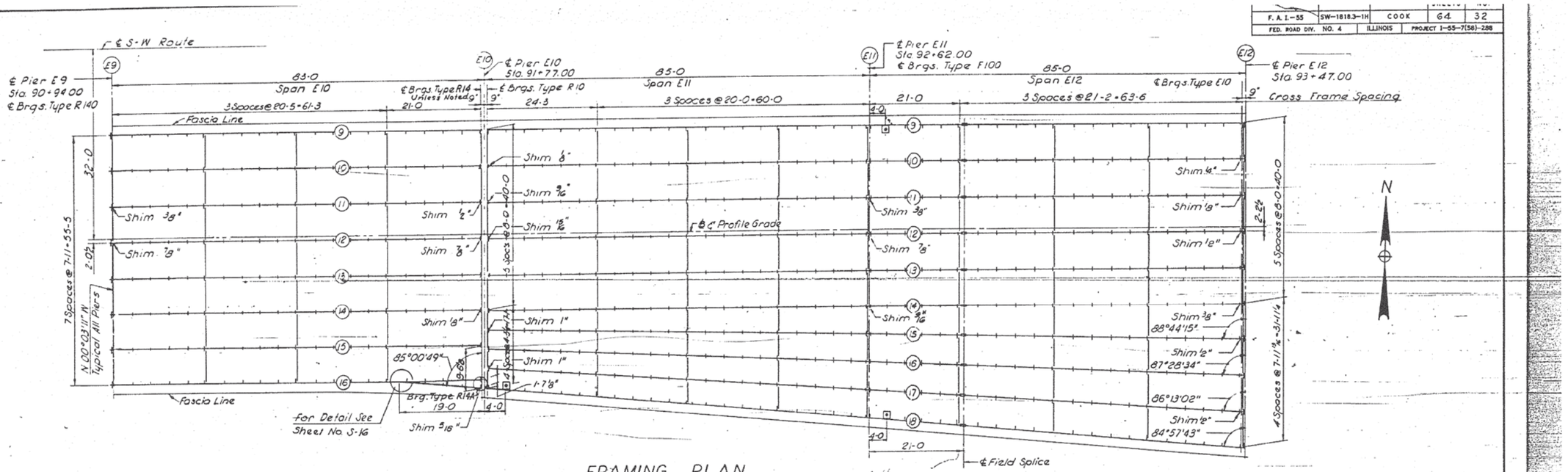
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILTS
I–55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 16 OF 173 SHEETS

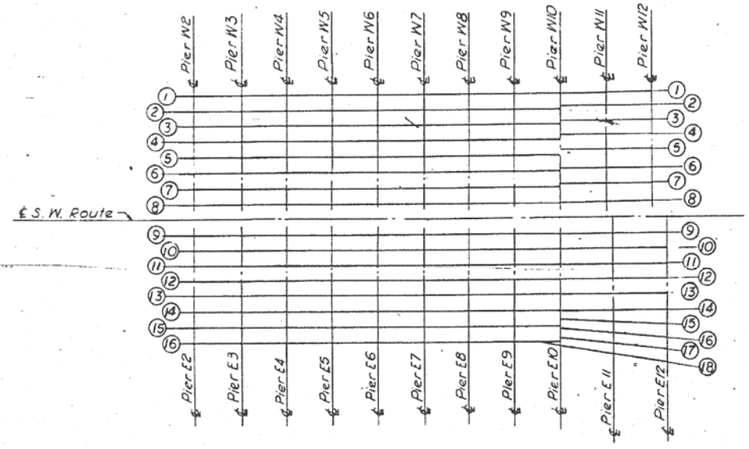
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	365
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

F. A. I.–55	SW–1818.3–1H	COOK	64	32
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1–55–7(58)–288		



FRAMING PLAN
SPAN E10 THRU E12



GIRDER LOCATION PLAN

STRUCTURAL STEEL NOTES

ALL FURNISHING, FABRICATING, TRANSPORTING, ERECTING AND PAINTING OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH SECTION 54 AND 56 OF THE STANDARD SPECIFICATIONS.

BEARING AND SPLICE NOTES

ALL GIRDER FIELD SPLICES SHALL BE SUB-PUNCHED, REAMED AND MATCH-MARKED FOR SHIPMENT WHILE THE MEMBERS ARE SHOP ASSEMBLED IN PROPER ALIGNMENT, WITH OR WITHOUT DIAPHRAGMS. ALL GIRDER FIELD SPLICES SHALL BE SUB-PUNCHED 3/16" AND REAMED TO 15/16" FOR 7/8" BOLTS.

ALL GIRDERS SHALL BE ERECTED FULL LENGTH IN THE SHOP BEFORE REAMING AND INSPECTION.

ALL FIELD CONNECTIONS SHALL BE MADE WITH 3/4" OR 7/8" HIGH STRENGTH BOLTS AS INDICATED.

STRUCTURAL STEEL SHALL RECEIVE ONE SHOP COAT OF RED LEAD PAINT. PARTS INACCESSIBLE AFTER ERECTION SHALL HAVE TWO SHOP COATS OF RED LEAD PAINT. FOR ADDITIONAL SHOP AND FIELD PAINT COATS SEE THE SPECIAL PROVISIONS.

ALL ROCKERS, BOLSTERS, BEARING PLATES LEAD PLATES, PINTLES, ANCHOR BOLTS AND SPLICES SHALL BE FABRICATED, SET AND FINISHED IN ACCORDANCE WITH ARTICLE 54.5 OF THE STANDARD SPECIFICATIONS. THESE ITEMS ARE INCLUDED IN THE WEIGHT OF STRUCTURAL STEEL.

SPLICE PLATES TO BE MATCH-MARKED FOR SHIPMENT.

ANCHOR BOLTS SHALL BE SET IN ACCORDANCE WITH CHECKED SHOP DRAWINGS BEFORE BOLTING DIAPHRAGMS OVER PIERS.

FINISHED SURFACES OF BEARING DEVICES SHALL BE TREATED WITH ANTI-RUST COMPOUND BEFORE SHIPMENT AS STATED IN ARTICLE 56.4 OF THE STANDARD SPECIFICATIONS.

Notes:

Shims, where required, shall be furnished in one piece.

Intermediate stiffeners between cross-frames shall be equally spaced as shown, but not to exceed the depth of web plate.

All lines of field splices and cross frames are parallel to ℄ Pier.

Girders are perpendicular to ℄ Piers unless noted.

⊡ Denotes floor drain location. For details see Sheet No. G-13 & G-14

BILL OF MATERIAL

ITEM	UNIT	AMOUNT
Girders & Details	Lbs.	380,447
Shear Connector Studs	Lbs.	5,323
Bearings *	Lbs.	11,984
Expansion Guards	Lbs.	13,941
Structural Steel Total For Plan 3	Lbs.	411,695

* Does not include Bearings at Pier E9.

PLAN 1	PLAN 2		Sta 93+33.05
PLAN 1	PLAN 2	PLAN 3	
Sta 84+17	Sta 89+07	Sta 90+94	Sta 93+47

LEGEND

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

FRAMING PLAN 3

SCALE: AS NOTED MAR. 1965
SHEET NO. S-14 OF 64 SHEETS

DESIGNED BY A.H.
DRAWN BY E.E. E.M.
CHECKED BY C.O.
APPROVED BY K.A.

117-60X07.As-Builts.dgn

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

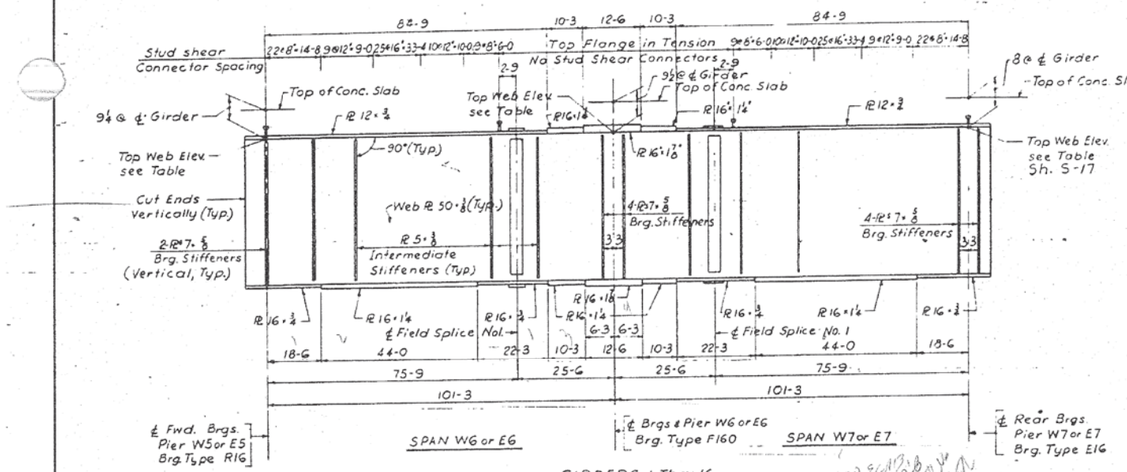
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

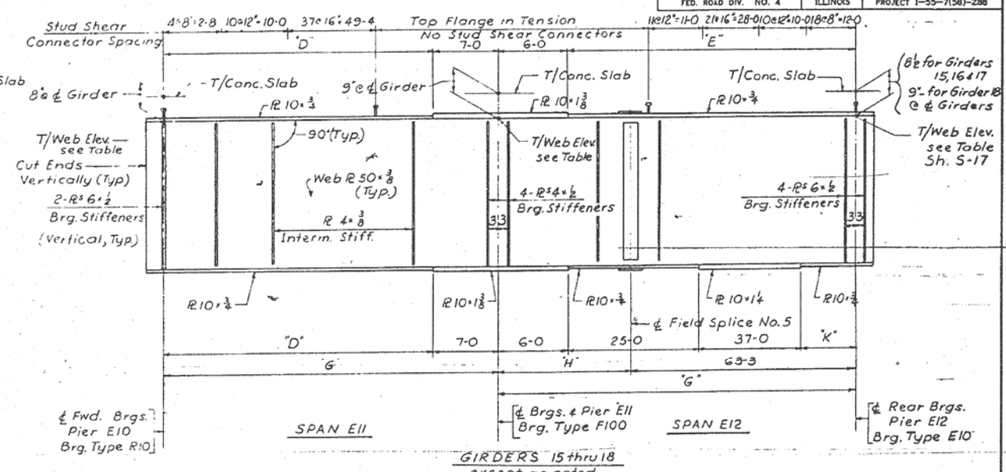
AS–BUILTS
I–55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 17 OF 173 SHEETS

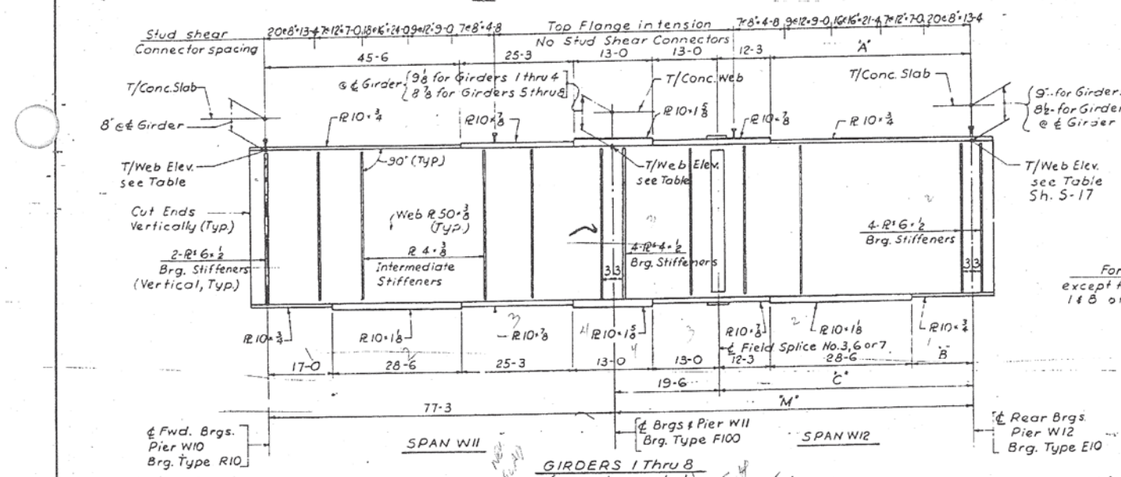
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	366
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

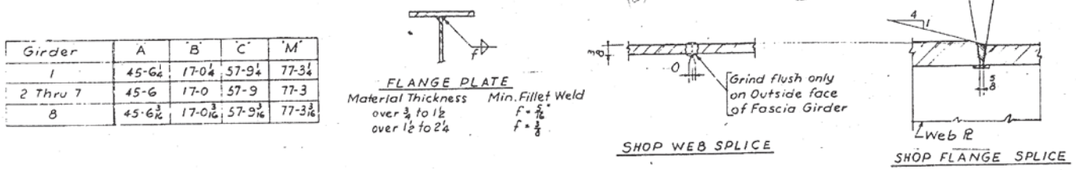
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.–55	SW–1818.3–1H	COOK	64	33
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I–55–7(58)–288		





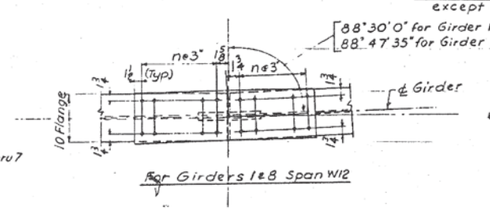


Girder	A	B	C	M
1	45-6½	17-0¼	57-9¼	77-3¼
2 Thru 7	45-6	17-0	57-9	77-3
8	45-6½	17-0⅛	57-9⅛	77-3⅛

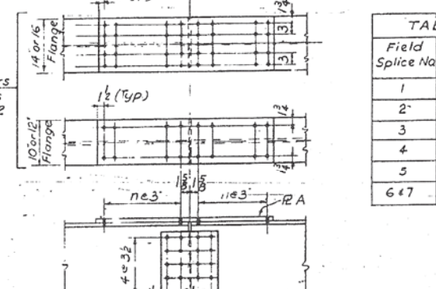


TYPICAL WELD DETAILS

88°30'0" for Girder 1 - Span W12 (Field Splice No.6)
88°47'35" for Girder 8 - Span W12 (Field Splice No.7)



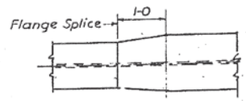
Girder	D'	E	G"	H"	K"
15	77-3⅜	78-3¼	84-3¼	21-0¼	16-3¼
16	77-4	78-4	84-4	21-1	16-4
17	77-5⅜	78-5⅜	84-5½	21-2⅜	16-5⅜
18	77-6⅛	78-6⅛	84-6⅛	21-3⅛	16-6⅛



FIELD SPLICE DETAILS

TABLE OF FIELD SPLICE DATA

Field Splice No.	Top Flg. Splice R		Bott. Flg. Splice R	
	R A	n	R B	n
1	12-¾ x 4-6¼	8	16-¾ x 3-0¼	5
2	10-¾ x 3-6¼	6	14-¾ x 3-0¼	5
3	10-⅜ x 4-0¼	7	10-⅜ x 4-0¼	7
4	10-1 x 4-6¼	8	10-1 x 4-6¼	8
5	10-⅜ x 3-6¼	6	10-⅜ x 3-6¼	6
6 & 7	10½ x ⅜ x 4-0½	7	10½ x ⅜ x 4-0½	7



SHEAR CONNECTOR DETAILS

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW–1818.3–1H

GIRDER ELEVATIONS

SCALE: NONE
MAR. 1965
SHEET NO. S-15 OF 64 SHEETS

DESIGNED BY B.H.
DRAWN BY R.B.
CHECKED BY C.V.
APPROVED BY K.A.

118-60X07_As-Builts.dgn

AECOM

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

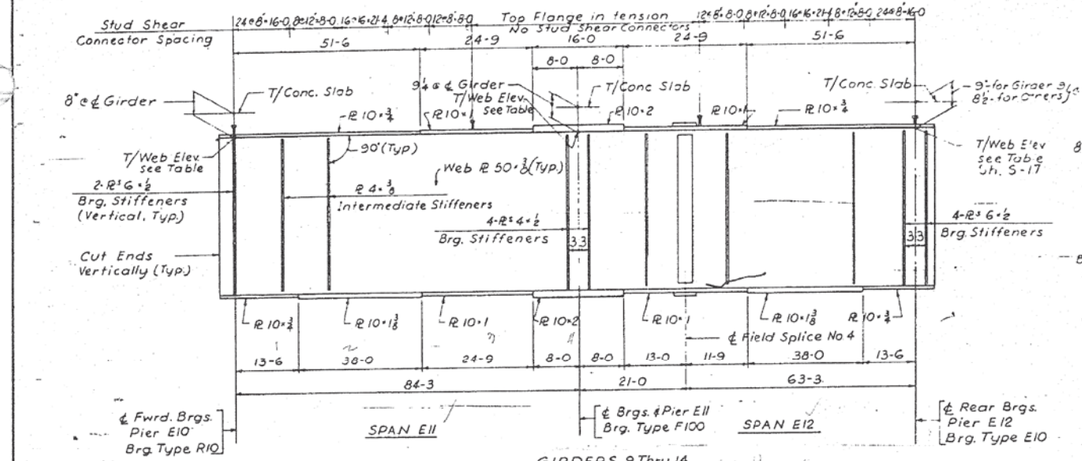
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILTS
I–55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 18 OF 173 SHEETS

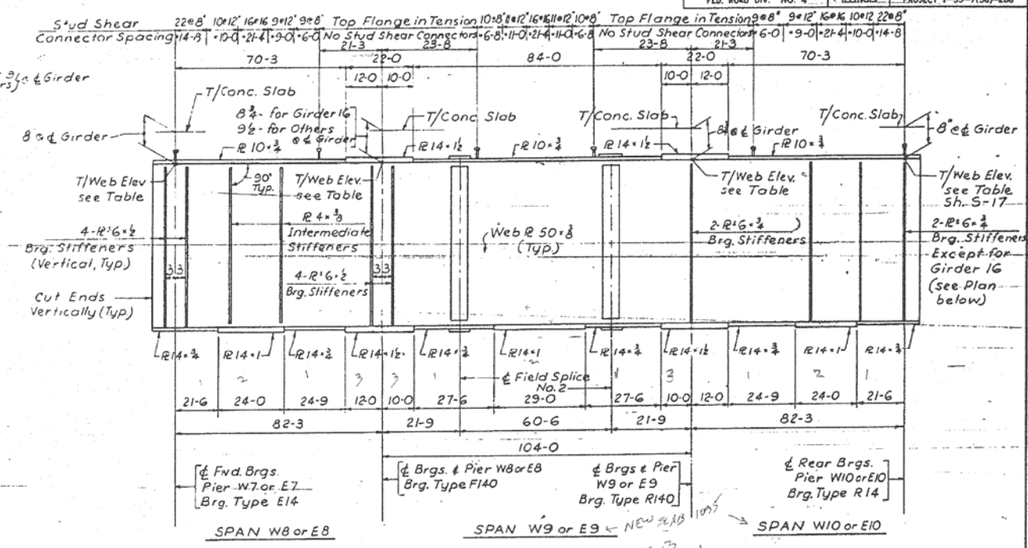
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	367
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

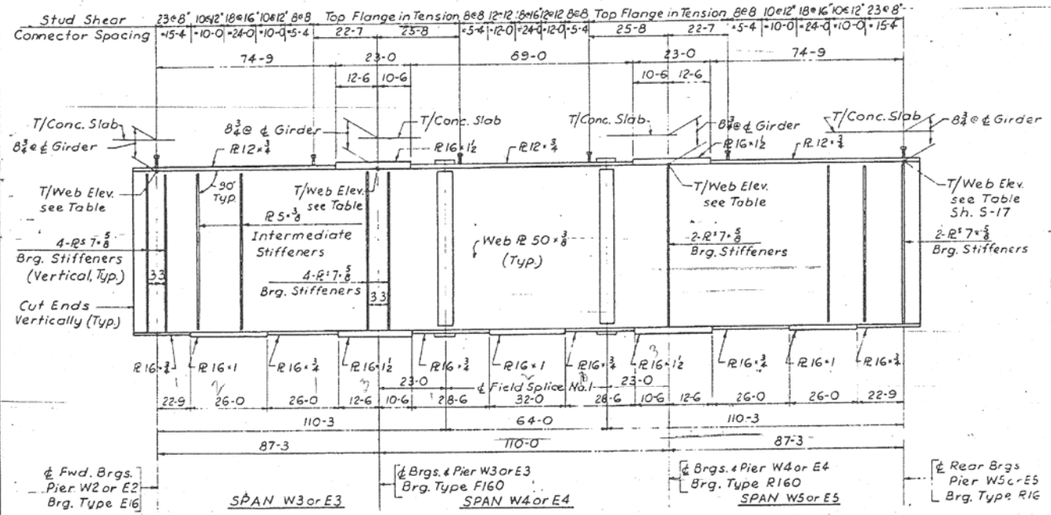
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.3-1H	COOK	64	34
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58)-288		



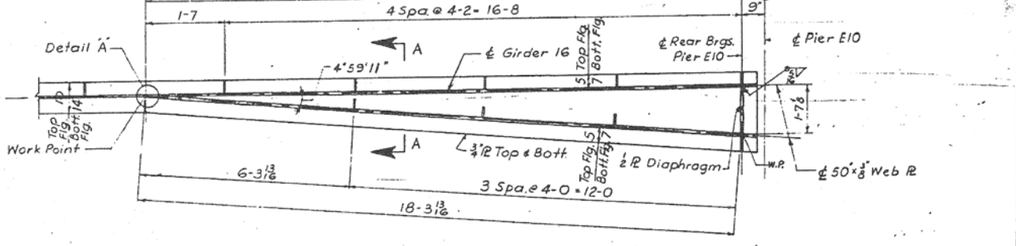
GIRDERS 9 Thru 14



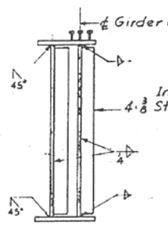
GIRDERS 1 Thru 16 except as noted



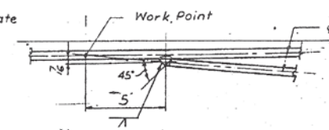
GIRDERS 1 Thru 16



PLAN OF GIRDER 16 (SPAN E10)
(Top Flange removed)
Scale ½"=1'-0



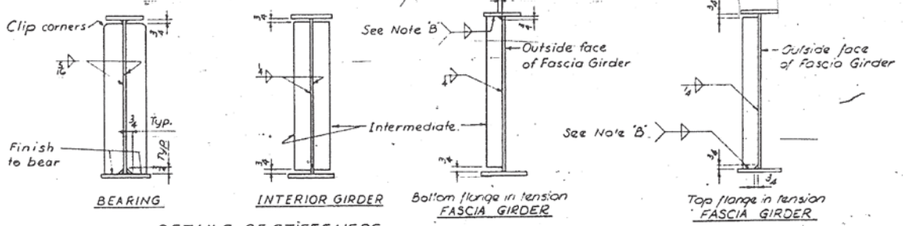
SECTION A-A



DETAIL A

NOTE 'B'
Fillet Weld Sizes.

Flange Thickness	Weld Size
¾" to 1½"	5/16"
Over 1½" to 2½"	⅜"



DETAILS OF STIFFENERS

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

GIRDER ELEVATIONS

SCALE: NONE
MAR. 1965
SHEET NO. S-16 OF 64 SHEETS

DESIGNED BY B.H.
DRAWN BY B.B.
CHECKED BY C.D.
APPROVED BY K.A.

119-60X07_As-Builts.dgn

AECOM

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 19 OF 173 SHEETS

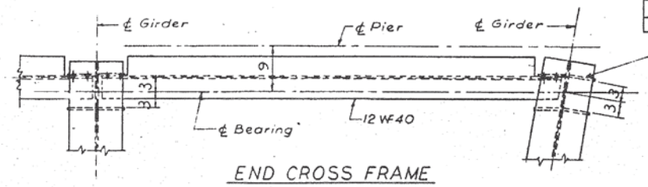
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	368
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

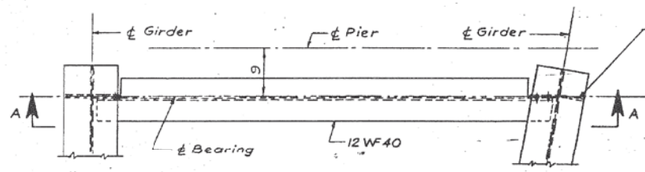
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.—55	SW-1818.3-1H	COOK	64	35
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58)-288		

TABLE OF TOP OF WEB ELEVATIONS

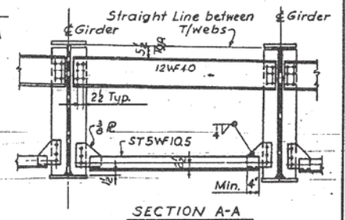
GIRDER No.	SPANS W3, W4 & W5				SPANS W6 & W7			SPANS W8, W9 & W10				SPANS W11 & W12		
	℄ Fwd. Brg. Pier W2	℄ Brg. Pier W3	℄ Brg. Pier W4	℄ Rear Brg. Pier W5	℄ Fwd. Brg. Pier W5	℄ Brg. Pier W6	℄ Rear Brg. Pier W7	℄ Fwd. Brg. Pier W7	℄ Brg. Pier W8	℄ Brg. Pier W9	℄ Rear Brg. Pier W10	℄ Fwd. Brg. Pier W10	℄ Brg. Pier W11	℄ Rear Brg. Pier W12
1	25.993	28.392	31.417	33.816	33.816	36.506	38.697	38.722	39.700	40.473	40.946	40.950	41.195	41.057
2	26.240	28.639	31.664	34.064	34.063	36.754	38.945	38.970	39.948	40.720	41.193	41.128	41.391	41.365
3	26.419	28.818	31.843	34.242	34.242	36.932	39.123	39.148	40.126	40.898	41.372	41.340	41.602	41.671
4	26.556	28.956	31.981	34.380	34.379	37.070	39.261	39.286	40.264	41.036	41.510	41.501	41.763	41.974
5	26.636	29.035	32.060	34.459	34.459	37.149	39.340	39.365	40.343	41.115	41.589	41.585	41.890	42.276
6	26.597	28.997	32.022	34.421	34.420	37.111	39.302	39.327	40.305	41.077	41.550	41.564	41.996	42.574
7	26.480	28.879	31.904	34.304	34.303	36.994	39.185	39.210	40.188	40.960	41.468	41.479	42.101	42.869
8	26.233	28.632	31.657	34.056	34.056	36.746	38.937	38.962	39.940	40.712	41.375	41.386	42.206	43.120
GIRDER No.	SPANS E3, E4 & E5				SPANS E6 & E7			SPANS E8, E9 & E10				SPANS E11 & E12		
	℄ Fwd. Brg. Piet E2	℄ Brg. Pier E3	℄ Brg. Pier E4	℄ Rear Brg. Pier E5	℄ Fwd. Brg. Pier E5	℄ Brg. Pier E6	℄ Rear Brg. Pier E7	℄ Fwd. Brg. Pier E7	℄ Brg. Pier E8	℄ Brg. Pier E9	℄ Rear Brg. Pier E10	℄ Fwd. Brg. Pier E10	℄ Brg. Pier E11	℄ Rear Brg. Pier E12
9	26.233	28.632	31.657	34.056	34.056	36.746	38.937	38.962	39.940	40.712	41.186	41.190	41.484	41.703
10	26.480	28.879	31.904	34.304	34.303	36.994	39.185	39.210	40.188	40.960	41.433	41.440	41.734	41.995
11	26.597	28.997	32.022	34.421	34.420	37.111	39.302	39.327	40.305	41.077	41.550	41.558	41.852	42.114
12	26.636	29.035	32.060	34.459	34.459	37.149	39.340	39.365	40.343	41.115	41.589	41.594	41.888	42.149
13	26.556	28.956	31.981	34.380	34.379	37.070	39.261	39.286	40.264	41.036	41.510	41.514	41.808	42.069
14	26.419	28.818	31.843	34.242	34.242	36.932	39.123	39.148	40.126	40.898	41.372	41.372	41.666	41.927
15	26.240	28.639	31.664	34.064	34.063	36.754	38.945	38.970	39.951	40.740	41.213	41.267	41.565	41.768
16	25.993	28.392	31.417	33.816	33.816	36.506	38.697	38.722	39.781	40.562	41.055	41.201	41.442	41.608
17	—	—	—	—	—	—	—	—	—	—	—	41.116	41.319	41.468
18	—	—	—	—	—	—	—	—	—	—	—	41.030	41.197	41.247



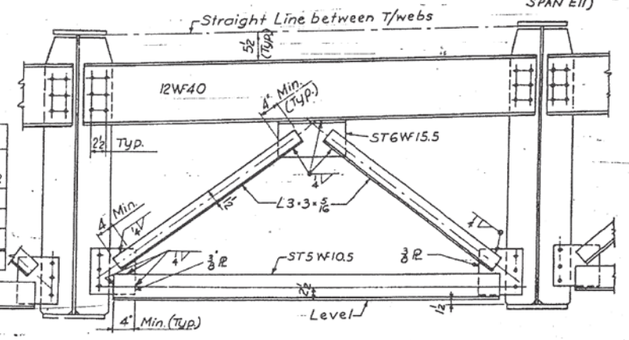
END CROSS FRAME



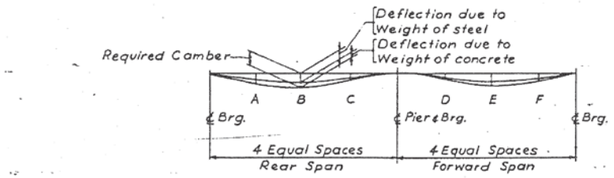
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SECTION A-A
For Pier E10 (Beams 14 Thr 6,18 SPAN E11)



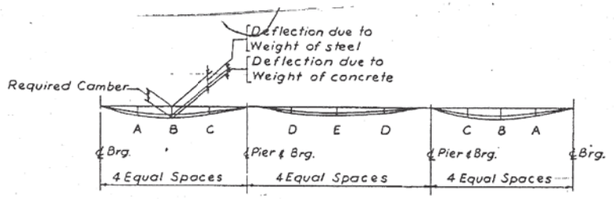
SECTION A-A



DEFLECTION & CAMBER DATA

Girder & Span	1 Thru 16 Spans W6 & E6			1 Thru 16 Spans W7 & E7			1 Thru 8 Span W11			1 Thru 8 Span W12			9 Thru 14 Span E11			9 Thru 14 Span E12			15 Thru 18 Span E11			15 Thru 18 Span E12		
Point	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
Steel Deflection	1/4	1/4	0	0	1/4	1/4	1/16	1/16	1/16	1/16	1/16	1/16	1/16	0	1/16	1/16	1/16	0	0	1/8	1/16	1/16	1/16	0
Concrete Deflection	13/16	15/16	3/8	3/8	15/16	13/16	3/8	1/16	3/16	5/16	7/16	3/8	3/8	7/16	3/16	3/16	7/16	3/8	3/8	3/8	0	5/16	5/8	3/16
Required Camber	1 1/16	1 1/16	1/2	1/2	1 1/16	1 1/16	7/16	1/2	1/4	1/2	7/16	3/16	7/16	3/16	1/4	1/4	9/16	7/16	1/2	1/2	3/16	3/16	13/16	1/16

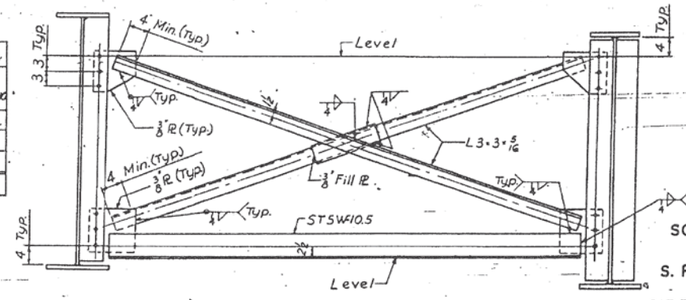
DEFLECTION AND CAMBER DIAGRAM TWO SPANS CONTINUOUS GIRDERS



DEFLECTION & CAMBER DATA

Girder & Span	1 Thru 16 Span W3, W4, W5, E3, E4, E5					1 Thru 16 Span W8, W9, W10, E8, E9, E10				
Point	A	B	C	D	E	A	B	C	D	E
Steel Deflection	0	1/16	1/16	0	1/16	0	0	1/16	1/16	0
Concrete Deflection	1/2	3/16	1/4	1/4	3/16	3/16	1/2	3/16	1/4	1/2
Required Camber	5/8	1/4	5/16	5/8	1/4	3/16	5/8	1/4	5/16	5/8

DEFLECTION AND CAMBER DIAGRAM THREE SPANS CONTINUOUS GIRDERS



TYPICAL INTERMEDIATE CROSS FRAME

DESIGNED BY B.H. + B.G.
DRAWN BY B.B.
CHECKED BY C.D.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

GIRDER AND CROSS FRAME DETAILS

SCALE: AS NOTED MAR. 1965
SHEET NO. S-17 OF 64 SHEETS

120-60X07_As-Builts.dgn

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

AECOM

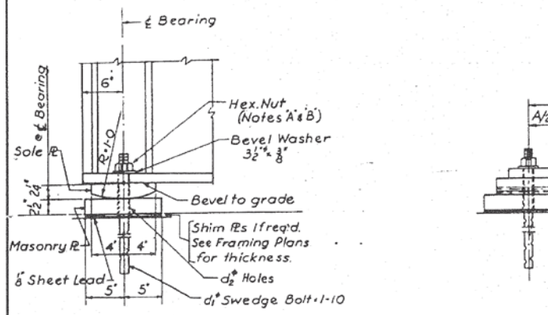
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 20 OF 173 SHEETS

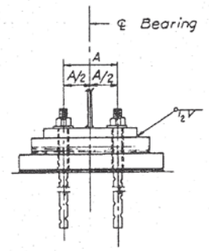
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	369
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

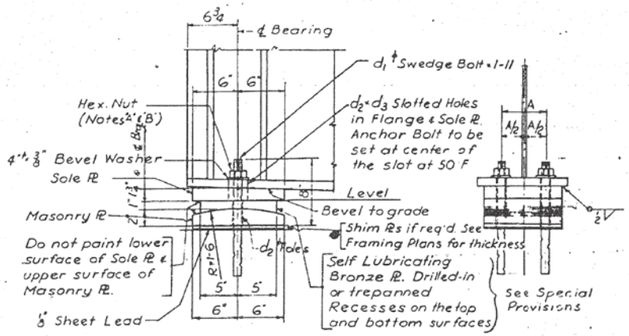
FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.—55	SW-1818.3-1H	COOK	64	36
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(58)-288		



FIXED BEARING TYPE F
(See Table for Additional Dimensions)





EXPANSION BEARING TYPE E
(See Table for Additional Dimensions)

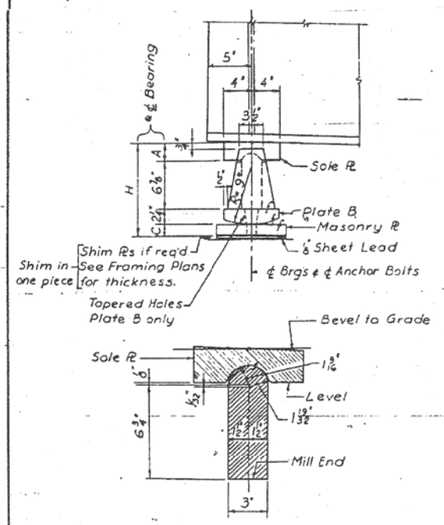
FIXED BEARING TYPE F TABLE

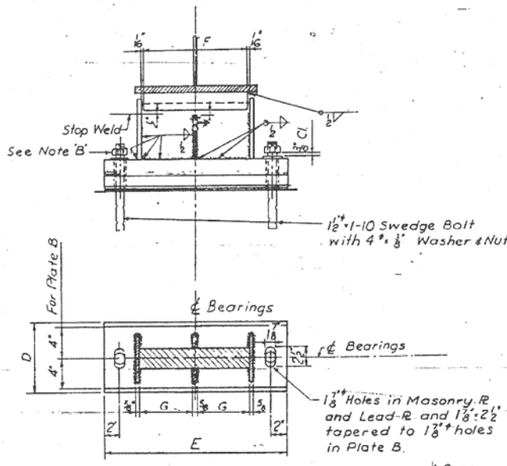
Mark	Total	Sole Pl *	Masonry Pl	Lead Pl	A	d_1	d_2
F100	18	8"x2¼"x1'-4"	10"x2½"x1'-10"	10"x⅛"x1'-10"	6"	1½"	1⅜"
F140	16	8"x2¼"x1'-6"	10"x2½"x2'-0"	10"x⅛"x2'-0"	7"	1½"	1⅜"
F160	32	8"x2¼"x1'-8"	10"x2½"x2'-2"	10"x⅛"x2'-2"	7"	1½"	1⅜"

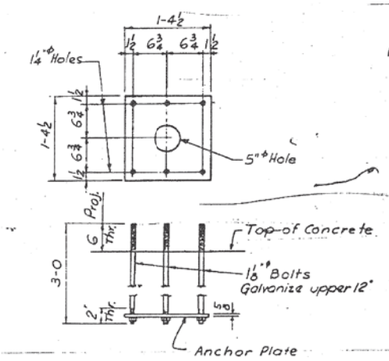
EXPANSION BEARING TYPE E TABLE

Mark	Total	Sole Pl *	Bronze Pl	Masonry Pl	Lead Pl	A	d_1	d_2	d_2+d_3
E10	18	12"x1¾"x0'-9"	10"x1¾"x0'-9"	12"x2"x0'-9"	12"x⅛"x0'-9"	6"	1¼"	1⅝"	1⅝"+2¾"
E14	16	12"x1¾"x1'-0½"	10"x1¾"x1'-0½"	12"x2"x1'-0½"	12"x⅛"x1'-0½"	7"	1¼"	1⅝"	1⅝"+2¾"
E16	32	12"x1¾"x1'-2"	10"x1¾"x1'-2"	12"x2"x1'-2"	12"x⅛"x1'-2"	7"	1½"	1⅞"	1⅞"+3"

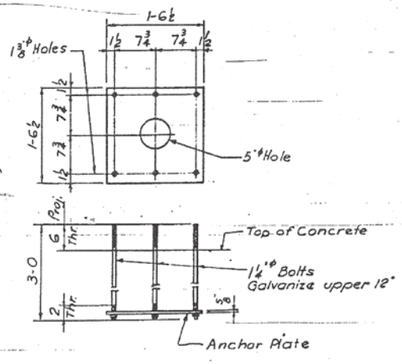
* Thickness shown is at ℄ Bearing







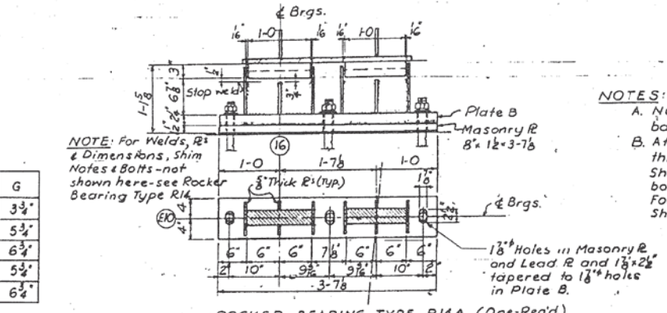
ANCHOR BOLT DETAIL
FOR OVERHEAD SIGNS WB5 & EB7
8-Assemblies required



ANCHOR BOLT DETAIL
FOR OVERHEAD SIGN EB8
4 Assemblies required

ROCKER BEARING TYPE R

Mark	Total	A	C	H	D	E	F	G
R10	18	3"	1½"	1'-1⅝"	8"	1'-6"	8"	3¾"
R14	15	3"	1½"	1'-1⅝"	8"	2'-0"	1'-0"	5¾"
R16	32	3"	1½"	1'-1⅝"	8"	2'-0"	1'-2"	6¾"
R 140	16	3½"	2¼"	1'-2⅜"	10"	2'-0"	1'-0"	5¾"
R 160	16	3½"	2¼"	1'-2⅜"	10"	2'-0"	1'-2"	6¾"



NOTE: For Welds, Pl & Dimensions, Shim Holes & Bolts - not shown here - see Rocker Bearing Type R14

ROCKER BEARING TYPE R14A (One-Req'd.)

NOTES:
A. Nut shall be drawn up finger tight, then backed off ⅛ turn.
B. After nut is properly adjusted, burr off threads of bolt at face of nut with a pointed tool. Shim plates to be same width and length as bottom plates. For location and thickness of shim plates see Sheets S-12 Thru S14

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H
BEARING AND ANCHOR BOLT DETAILS
SCALE: AS NOTED — MAR. 1965
SHEET NO. S-18 OF 64 SHEETS

DESIGNED BY H.N.
DRAWN BY B.B.
CHECKED BY B.H.
APPROVED BY K.A.

121-60X07_As-Builts.dgn

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

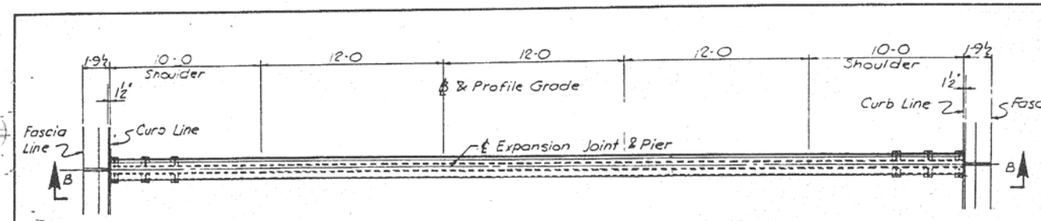
AECOM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

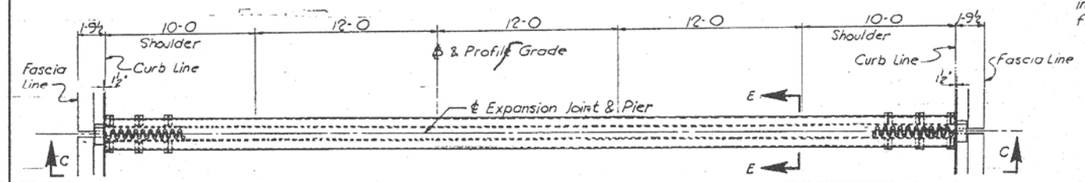
AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 21 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	370
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		

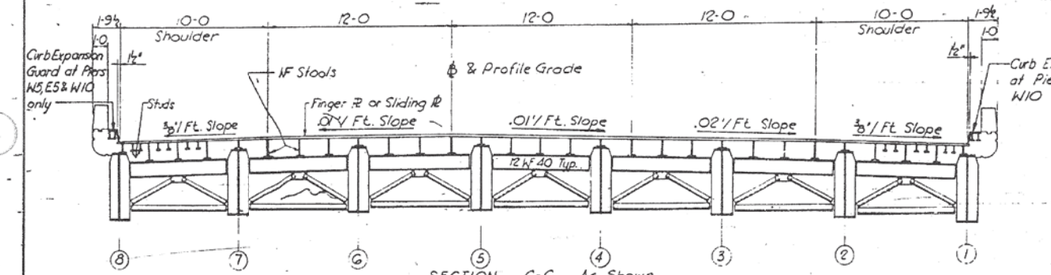
FOR INFORMATION ONLY



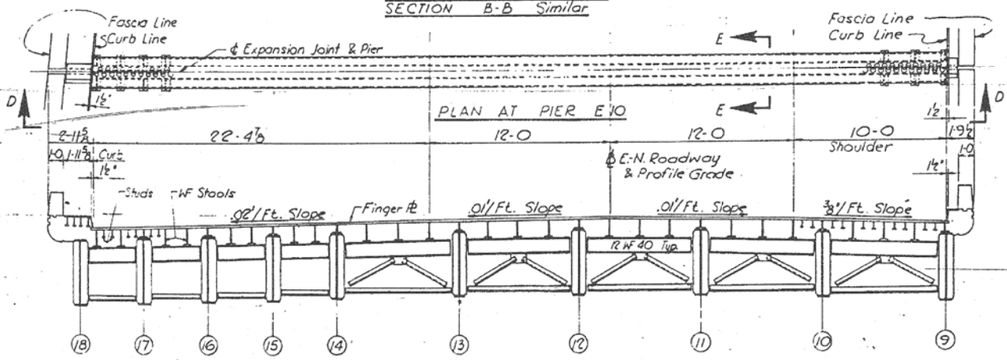
PLAN OF SLIDING PLATE EXPANSION GUARD
At Pier W7 - As Shown
At Pier E7 - Opp. Hand
For Typical Section see sheet No. S-20



PLAN OF FINGER PLATE EXPANSION GUARD
At Piers W5 & W10 - As Shown
At Pier E5 - Opp. Hand

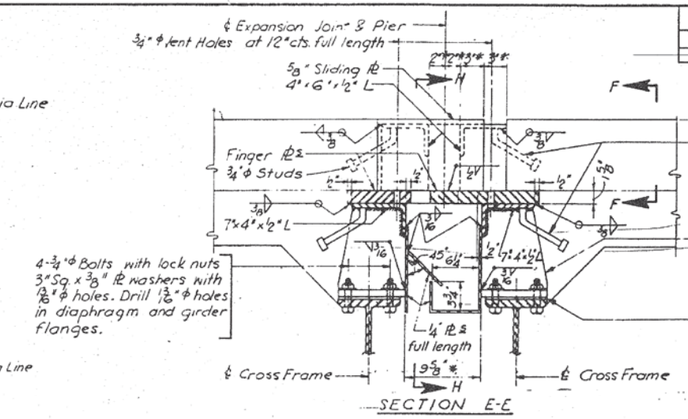


SECTION C-C As Shown
SECTION B-B Similar

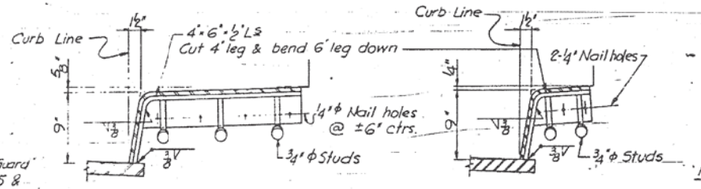


SECTION D-D

Note: All Dimensions Are Along ℄ of Expansion Joint & Pier

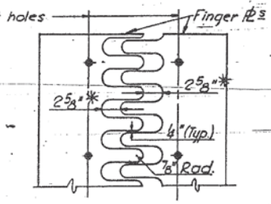


SECTION E-E



SECTION F-F (At Pier E10)

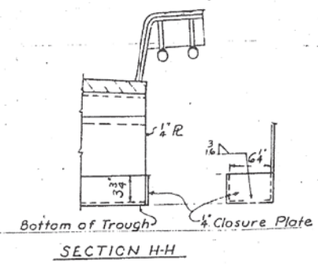
SECTION F-F (At Others)



FINGER ℔ CUTTING DETAIL

Note: Dimensions marked so (*) shall be used at 50°F. For adjustments to joints at other temperatures see Table, sheet No. S-20

**Note: Use lightest ST WF sections available having stem thickness of not less than ⅜".



SECTION H-H

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.3-1H	COOK	64	57
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58)-288		

DESIGNED BY B.H
DRAWN BY Geo. S.P.
CHECKED BY C.O.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

EXPANSION GUARD DETAILS

SCALE: AS NOTED MAR. 1965
SHEET NO. S-19 OF 64 SHEETS

122-60X07_As-Builts.dgn

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

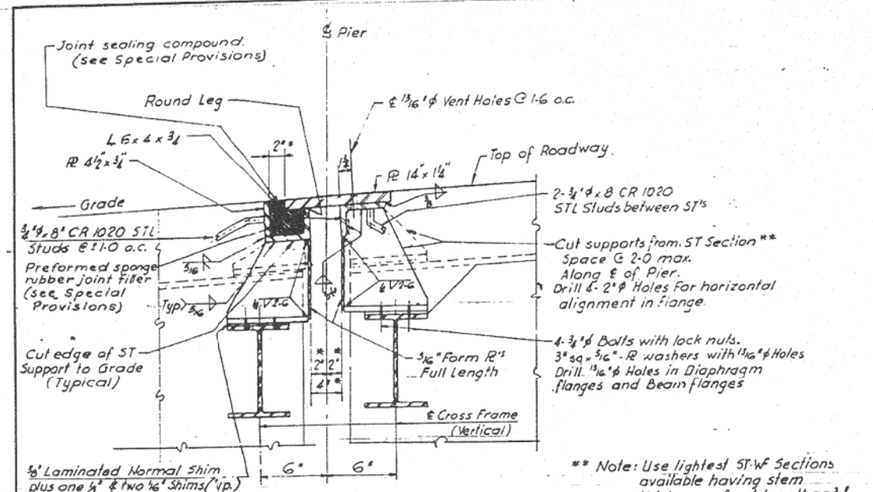
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 22 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	371
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

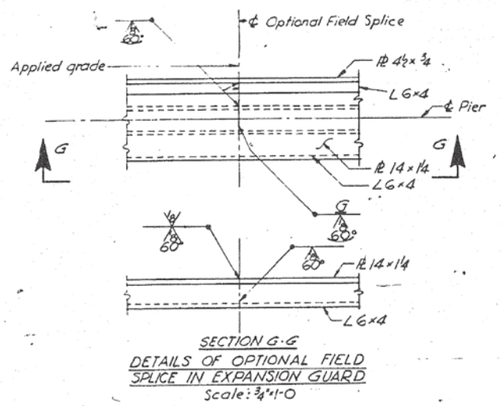
FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.—55	SW-1818.3-1H	COOK	64	38
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(568)288		



SECTION A-A
TYPICAL SECTION AT SLIDING PLATE EXPANSION GUARD
(Piers W7 & E7 only)
Scale 1½"=1-0

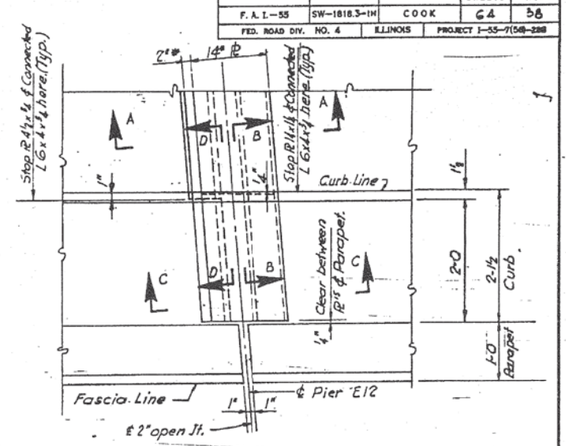
** Note: Use lightest ST-WF Sections available having stem thickness of not less than 3/8"



SECTION G-G
DETAILS OF OPTIONAL FIELD SPLICE IN EXPANSION GUARD
Scale: 3/4"=1-0

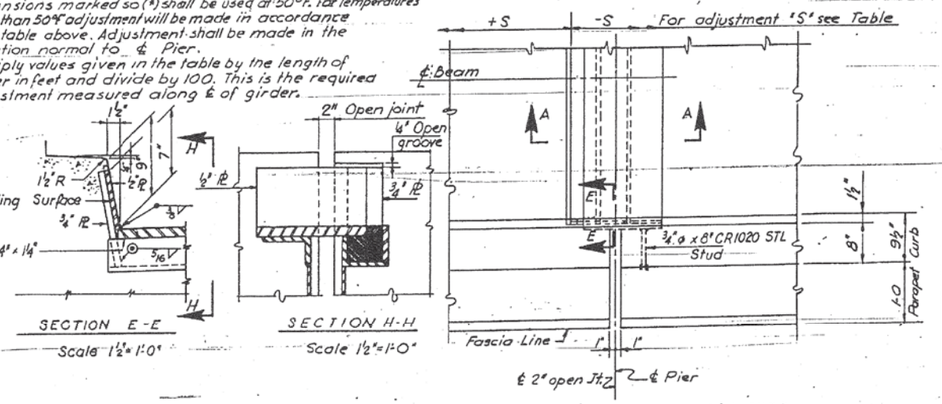
Joint Adjustment Table For 100' of Girder-length						
Temperatures	110°F	90°F	70°F	50°F	30°F	10°F
Adjustment "S" along ℄ of beam	-0.468"	-0.312"	-0.156"	0"	+0.156"	+0.312"

* Note:
Dimensions marked so (*) shall be used at 50°F. For Temperatures other than 50°F adjustment will be made in accordance with table above. Adjustment shall be made in the direction normal to ℄ Pier.
Multiply values given in the table by the length of girder in feet and divide by 100. This is the required adjustment measured along ℄ of girder.



PARTIAL DECK PLAN AT PIER E12
FOR INFORMATION ONLY
Scale 1"=1-0

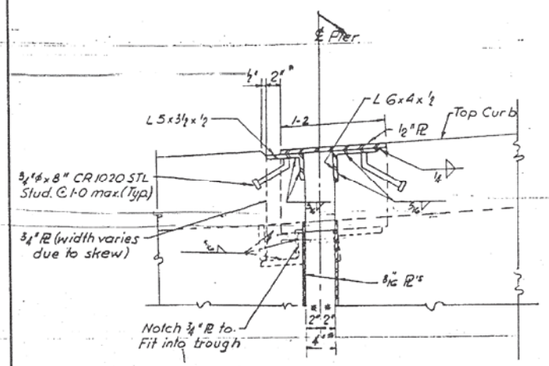
NOTE: Expansion Guards at W12 and E12 are furnished under Contract Section SW 1818.3-2H to be installed by the Contractor for this Section.



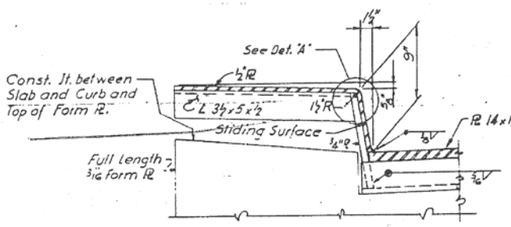
SECTION E-E
Scale 1½"=1'-0"

SECTION H-H
Scale 1½"=1'-0"

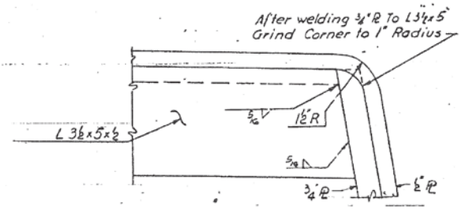
PARTIAL DECK PLAN WITH 9½" CURB
Scale 1"=1-0



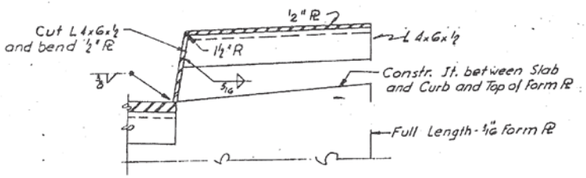
SECTION C-C
Scale 1½"=1-0



SECTION D-D
Scale 1½"=1'-0"



DETAIL "A"
Scale 6"=1-0



SECTION B-B
Scale 1½"=1'-0"

CITY OF CHICAGO
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SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H
EXPANSION GUARD DETAILS
SCALE: AS NOTED MAR. 1965
SHEET NO. 5-20 OF 64 SHEETS

DESIGNED BY H.N.
DRAWN BY E.L.
CHECKED BY BH
APPROVED BY K.A.

123-60X07_As-Built-s.dgn

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

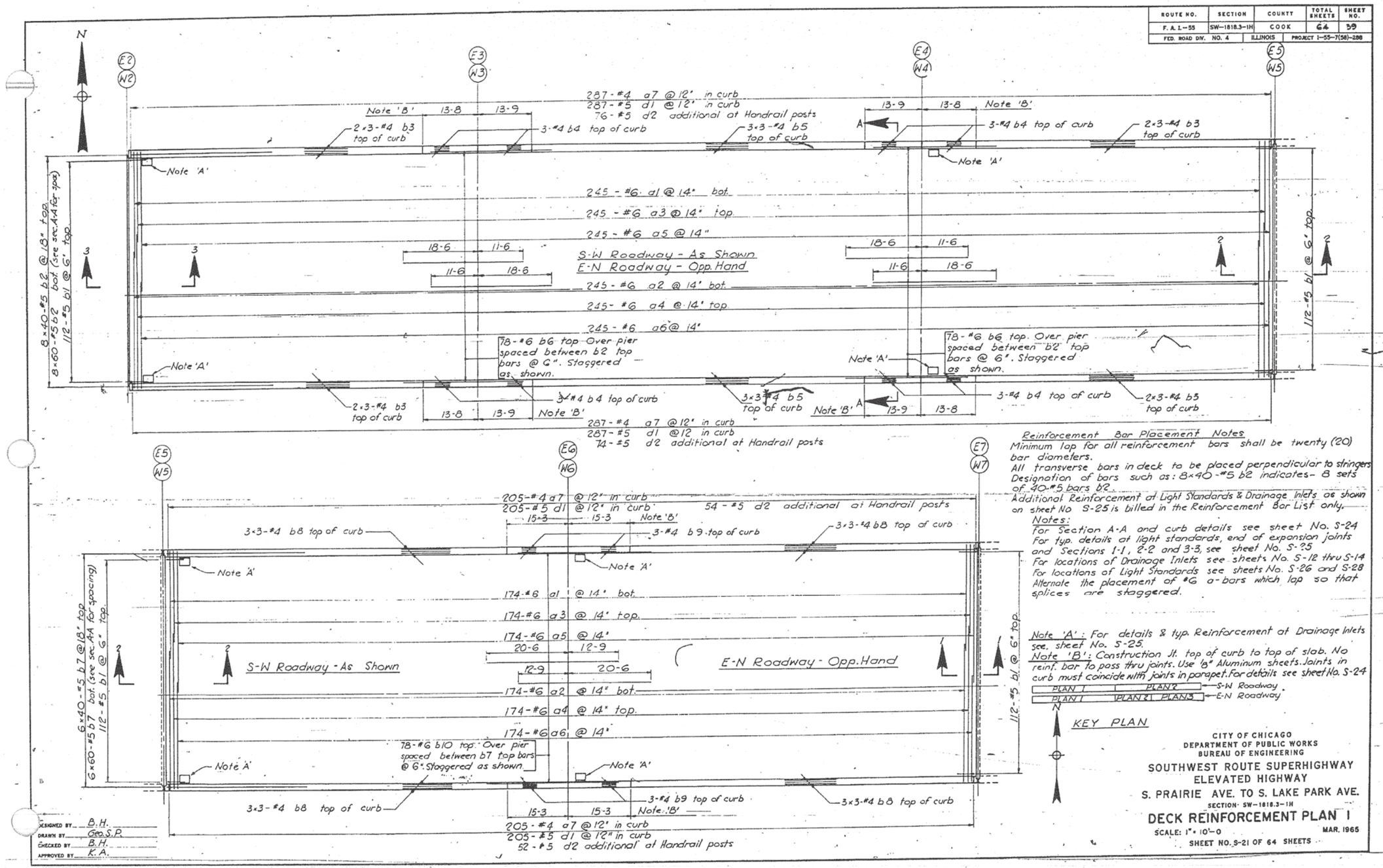
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 23 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	372
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.—55	SW-1818.3-1H	COOK	64	39
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58)-288		



DESIGNED BY B.H.
DRAWN BY Geo.S.P.
CHECKED BY B.H.
APPROVED BY K.A.

Reinforcement Bar Placement Notes

Minimum lap for all reinforcement bars shall be twenty (20) bar diameters.

All transverse bars in deck to be placed perpendicular to stringers.

Designation of bars such as: 8×40-#5 b2 indicates- 8 sets of 40-#5 bars b2.

Additional Reinforcement at Light Standards & Drainage Inlets as shown on sheet No S-25 is billed in the Reinforcement Bar List only.

Notes:

For Section A-A and curb details see sheet No. S-24

For typ. details at light standards, end of expansion joints and Sections 1-1, 2-2 and 3-3, see sheet No. S-25

For locations of Drainage Inlets see sheets No. S-12 thru S-14

For locations of Light Standards see sheets No. S-26 and S-28

Alternate the placement of #6 a-bars which lap so that splices are staggered.

Note 'A': For details & typ. Reinforcement at Drainage Inlets see. sheet No. S-25.

Note 'B': Construction Jt. top of curb to top of slab. No reinf. bar to pass thru joints. Use 8" Aluminum sheets. Joints in curb must coincide with joints in parapet. for details see sheet No. S-24

PLAN 1 PLAN 2 ← S-W Roadway

PLAN 1 PLAN 2 PLAN 3 ← E-N Roadway

KEY PLAN

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

DECK REINFORCEMENT PLAN 1

SCALE: 1"= 10'-0 MAR. 1965

SHEET NO. S-21 OF 64 SHEETS

124-60X07_As-Builts.dgn

AECOM

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

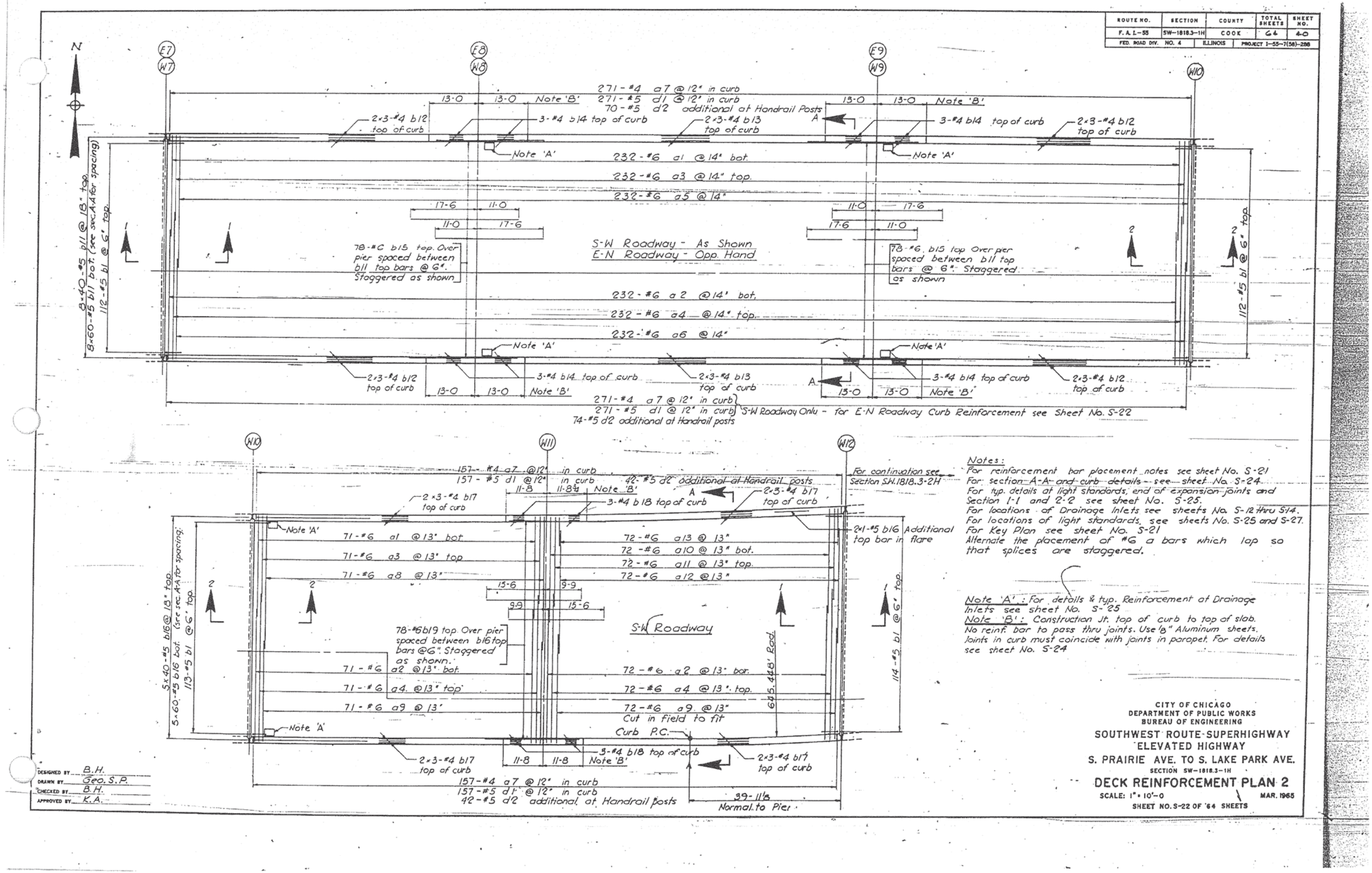
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 24 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	373
		CONTRACT NO. 60X07		
		ILLINOIS FED. AID PROJECT		

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.3-1H	COOK	64	4-0
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(56)-288		



Notes:
For reinforcement bar placement notes see sheet No. S-21
For section A-A and curb details - see sheet No. S-24
For typ. details at light standards, end of expansion joints and Section 1-1 and 2-2 see sheet No. S-25.
For locations of Drainage Inlets see sheets No. S-12 thru S-14.
For locations of light standards, see sheets No. S-25 and S-27.
For Key Plan see sheet No. S-21
Alternate the placement of #6 a bars which lap so that splices are staggered.

Note 'A': For details & typ. Reinforcement at Drainage Inlets see sheet No. S-25
Note 'B': Construction Jt. top of curb to top of slab. No reinf. bar to pass thru joints. Use 1/8" Aluminum sheets. Joints in curb must coincide with joints in paroget. For details see sheet No. S-24

DESIGNED BY B.H.
DRAWN BY Geo. S.P.
CHECKED BY B.H.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE-SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

DECK REINFORCEMENT PLAN 2

SCALE: 1" = 10'-0 MAR. 1965
SHEET NO. S-22 OF 64 SHEETS

125-60X07_As-Builts.dgn

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

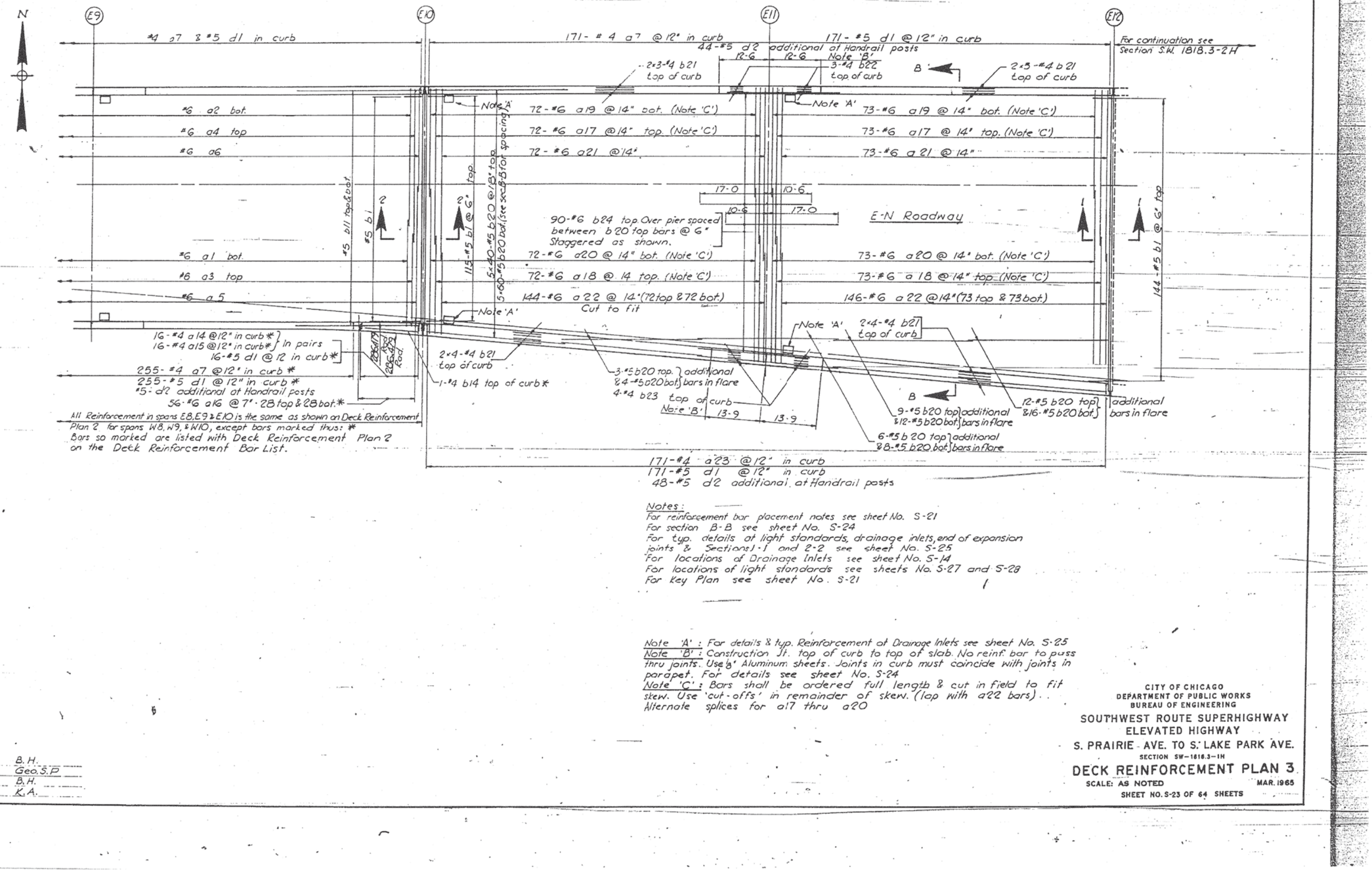
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 25 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	374
		CONTRACT NO. 60X07		
		ILLINOIS FED. AID PROJECT		

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.3-1H	COOK	64	41
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58)-288		



All Reinforcement in spans E8, E9 & E10 is the same as shown on Deck Reinforcement Plan 2 for spans W8, W9, & W10, except bars marked thus: * Bars so marked are listed with Deck Reinforcement Plan 2 on the Deck Reinforcement Bar List.

171-#4 a23 @12" in curb
171-#5 d1 @12" in curb
48-#5 d2 additional at Handrail posts

Notes:
For reinforcement bar placement notes see sheet No. S-21
For section B-B see sheet No. S-24
For typ. details at light standards, drainage inlets, end of expansion joints & Sections 1-1 and 2-2 see sheet No. S-25
For locations of Drainage Inlets see sheet No. S-14
For locations of light standards see sheets No. S-27 and S-28
For Key Plan see sheet No. S-21

Note 'A': For details & typ. Reinforcement at Drainage Inlets see sheet No. S-25
Note 'B': Construction Jt. top of curb to top of slab. No reinf. bar to pass thru joints. Use ⅛" Aluminum sheets. Joints in curb must coincide with joints in parapet. For details see sheet No. S-24
Note 'C': Bars shall be ordered full length & cut in field to fit skew. Use 'cut-offs' in remainder of skew. (lap with a22 bars).. Alternate splices for a17 thru a20

DESIGNED BY B.H.
DRAWN BY Geo.S.P
CHECKED BY B.H.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

DECK REINFORCEMENT PLAN 3

SCALE: AS NOTED MAR. 1965
SHEET NO. S-23 OF 64 SHEETS

126-60X07_As-Builts.dgn

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

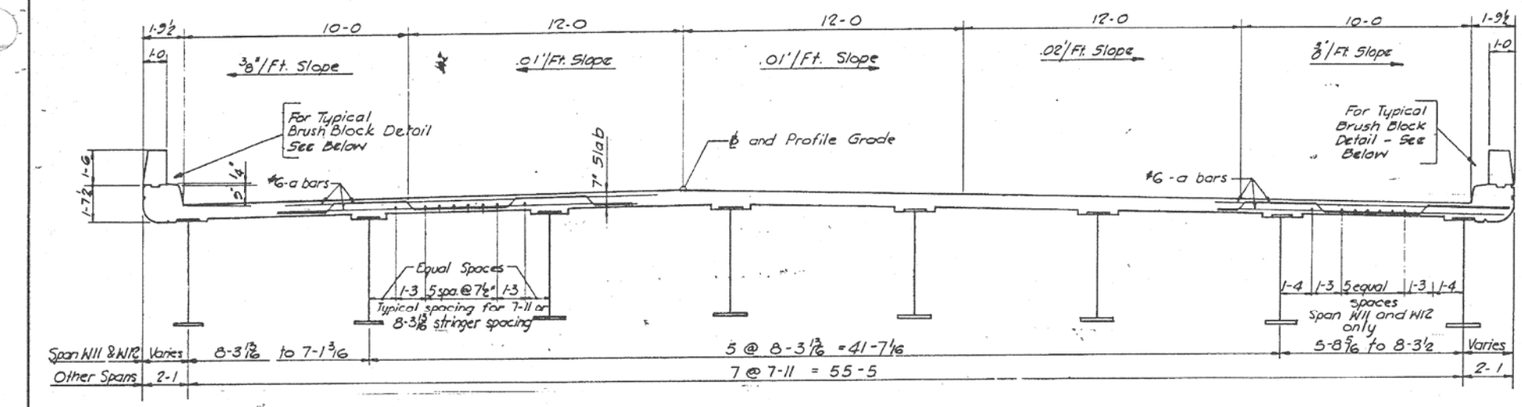
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 26 OF 173 SHEETS

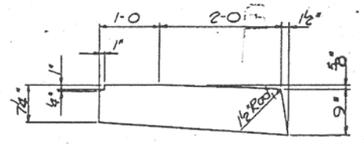
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	375
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

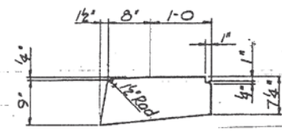
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.–55	SW–1818.3–1H	COOK	64	42
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I–55–7(58)–288		



SECTION A-A
Scale: ⅜"=1'-0

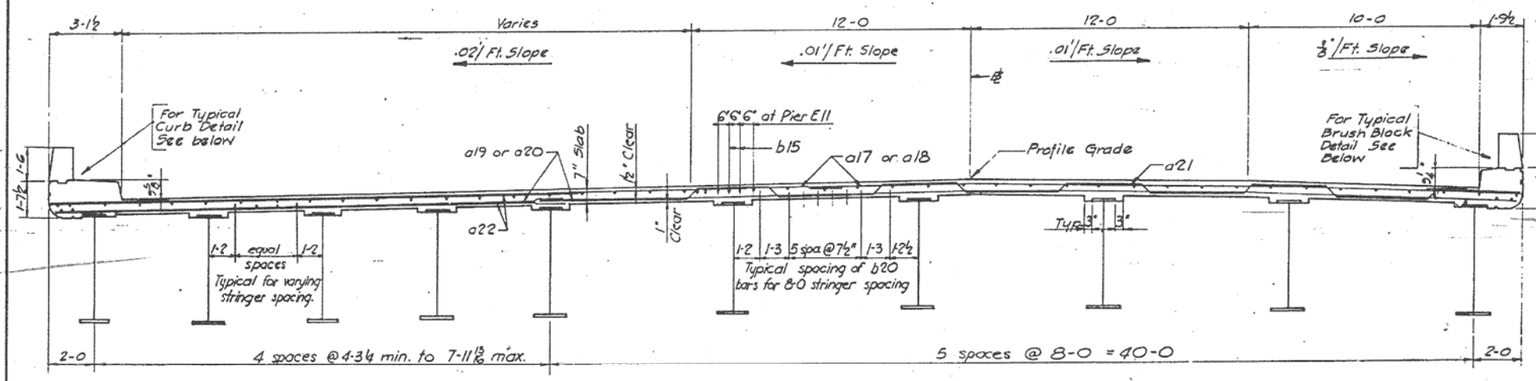


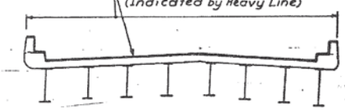
IN CURB (3 Req'd.)



IN BRUSH BLOCK (69 Req'd)

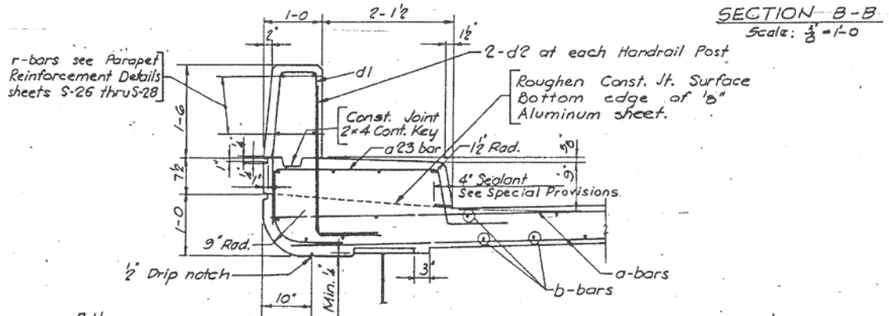
DETAILS OF ⅛" ALUMINUM SHEETS
ASTM B209 Alloy 3003-H14



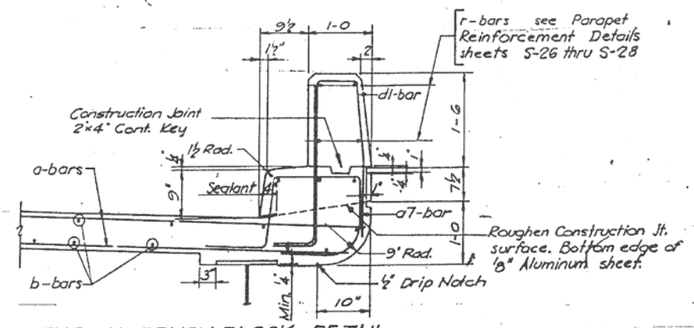


TYPICAL CROSS SECTION
(Showing Limits of Protective Coat)
(No Scale)

SECTION B-B
Scale: ¾"=1'-0



TYPICAL CURB DETAIL
Scale: 1"=1'-0"



TYPICAL BRUSH BLOCK DETAIL
Scale: 1"=1'-0"

DESIGNED BY B.H.
DRAWN BY V.P.
CHECKED BY B.H.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW–1818.3–1H
TYPICAL CROSS SECTIONS
SCALE: AS NOTED MAR. 1965
SHEET NO. S-24 OF 64 SHEETS

127-60X07_As-Builts.dgn

AECOM

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

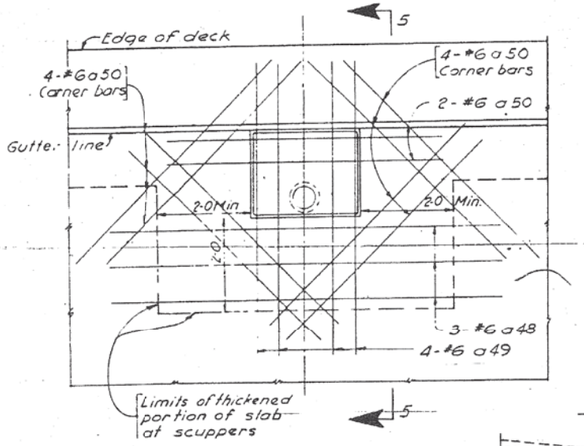
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILTS
I–55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 27 OF 173 SHEETS

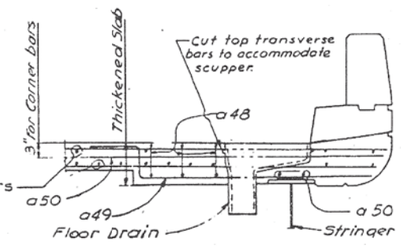
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	376
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

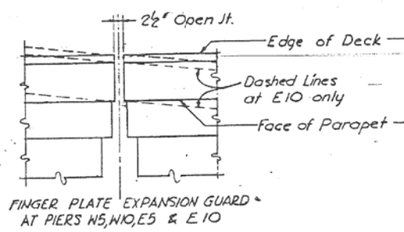
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.–55	SW–1818.3–1H	COOK	64	45
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I–55–7(568)288		



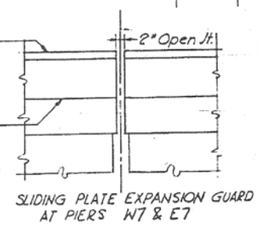
TYPICAL DETAIL AT FLOOR DRAIN
Scale: 3/4"=1'-0



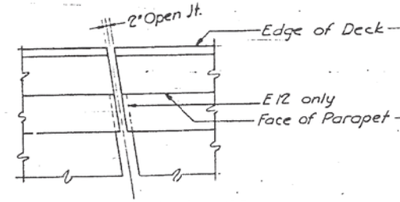
SECTION 5-5
Scale: 3/4"=1'-0



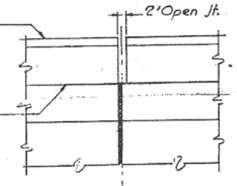
FINGER PLATE EXPANSION GUARD AT PIERS W5, W10, E5 & E10



SLIDING PLATE EXPANSION GUARD AT PIERS W7 & E7

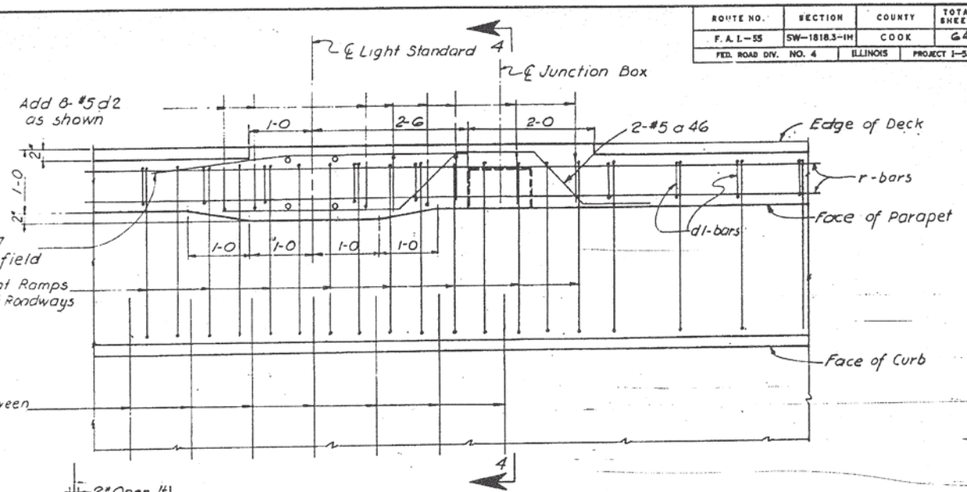


SLIDING PLATE EXPANSION GUARD AT PIERS W12 & E12

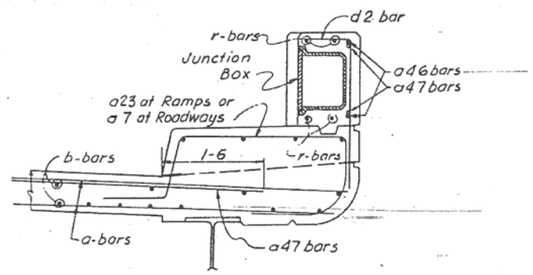


FILLED JOINT AT PIER W2 & E2

EXPANSION JOINT DETAIL AT PARAPET
Showing concrete outlines only, Steel exp. guard where applicable not shown. For details see sheet S-19

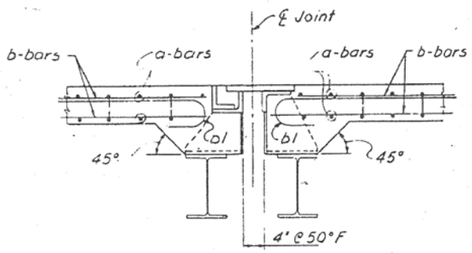


TYPICAL DETAIL AT LIGHT STANDARD AND JUNCTION BOX
Scale: 1"=1'-0

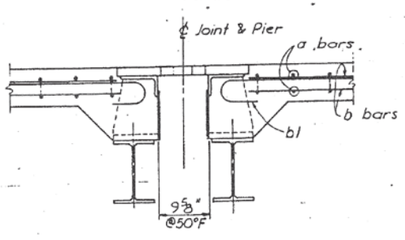


SECTION 4-4
Scale: 1" 1'-0

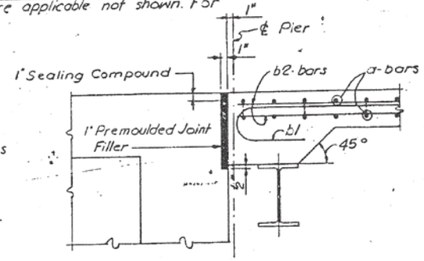
Note:
For Reinforcement Bar Placement Notes See Sh. No. S-21
For Location of Sections 1-1, 2-2 and 3-3 See Sh. No. S-21 thru S-23



SECTION 1-1
Scale: 1"=1'-0



SECTION 2-2
Scale: 1"=1'-0



SECTION 3-3
Scale: 1"=1'-0

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H
TYPICAL DECK DETAILS
SCALE: AS NOTED
MAR. 1965
SHEET NO. S-25 OF 64 SHEETS

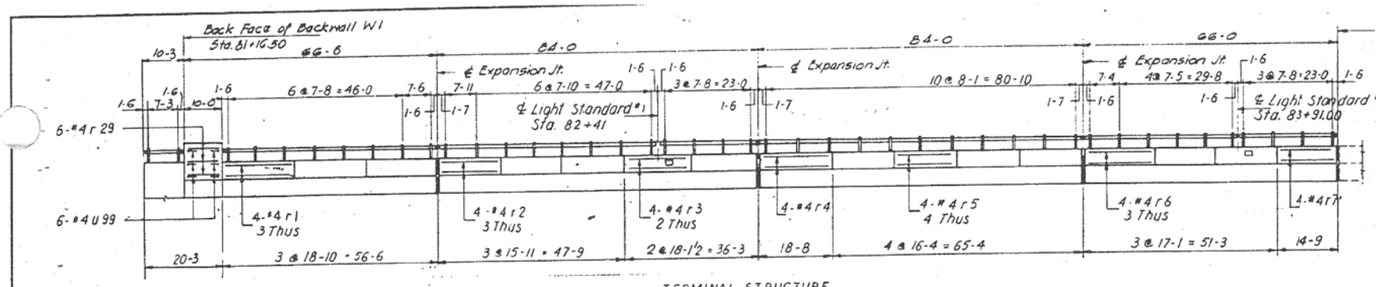
DESIGNED BY H.N.
DRAWN BY E.L. & M.N. & Geo.S.P
CHECKED BY B.H
APPROVED BY K.A.

128-60X07_As-Builts.dgn

AECOM				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	AS–BUILTS I–55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)				
	USER NAME = auyeungh	DESIGNED -	REVISED -			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISED -			55	2013-049B	COOK	888	377
	PLOT SCALE =	DRAWN - HAY	REVISED -					CONTRACT NO. 60X07		
	PLOT DATE = 5/22/2015	CHECKED - ATB	REVISED -		SHEET NO. 28 OF 173 SHEETS			ILLINOIS	FED. AID PROJECT	

FOR INFORMATION ONLY

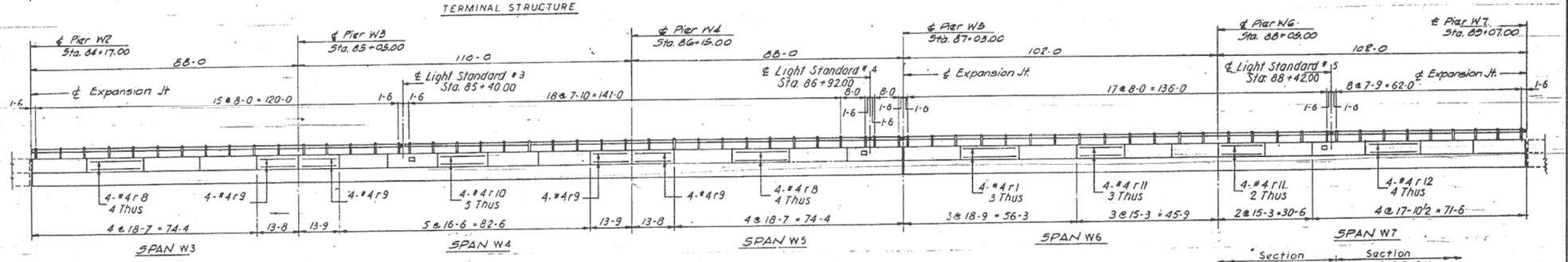
ROUTE NO.	SECTION	COUNTY	SHEETS	NO.
F. A. I.—55	SW—1818.3—1H	COOK	64	44
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I—55—7(58)—288		



TERMINAL STRUCTURE

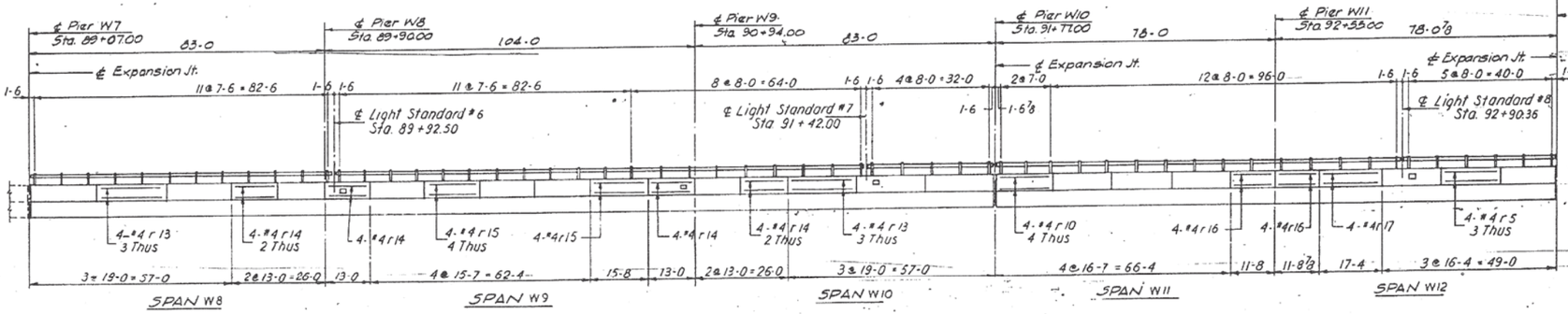
BILL OF MATERIAL
(This Sheet only)

DESCRIPTION	UNIT	QUANTITY
Reinforcement Bars	Lbs.	3218



Section SW 1818.3-1 H

Section SW 1818.3-2 H



Symbol □ indicates Junction Box

NORTH PARAPET S.W. ROADWAY
(LOOKING NORTH)

NOTE:
Elevation shown is a developed view
All dimensions are horizontal and along ℄ of Railing and are not true dimensions along surface of the Bridge.
All stations are along ℄ - S.W. Roadway

DESIGNED BY B.H.
DRAWN BY J.W. & V.T.
CHECKED BY A.M.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H
PARAPET REINFORCEMENT DETAILS
SCALE: VERT. 3/16" = 1'-0; HORIZ. 1/16" = 1'-0 MAR. 1965
SHEET NO. S-26 OF 64 SHEETS

129-60X07_As-Builts.dgn

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 29 OF 173 SHEETS

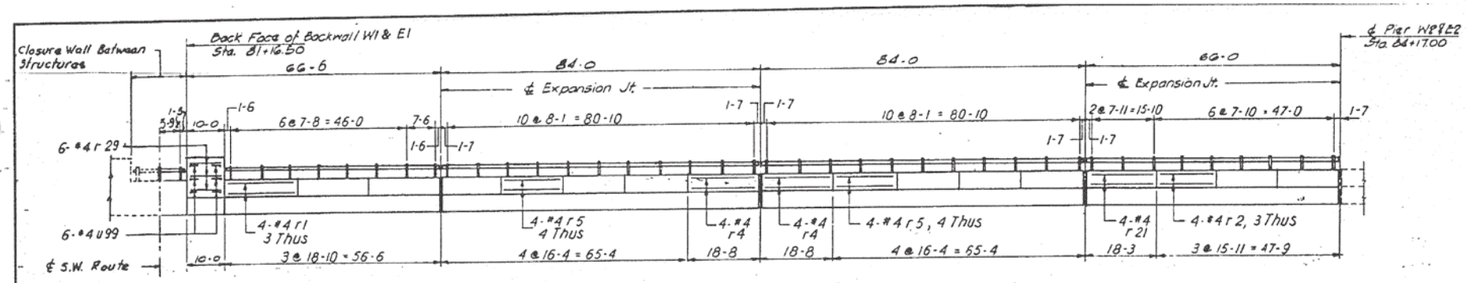
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	378
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		

FOR INFORMATION ONLY

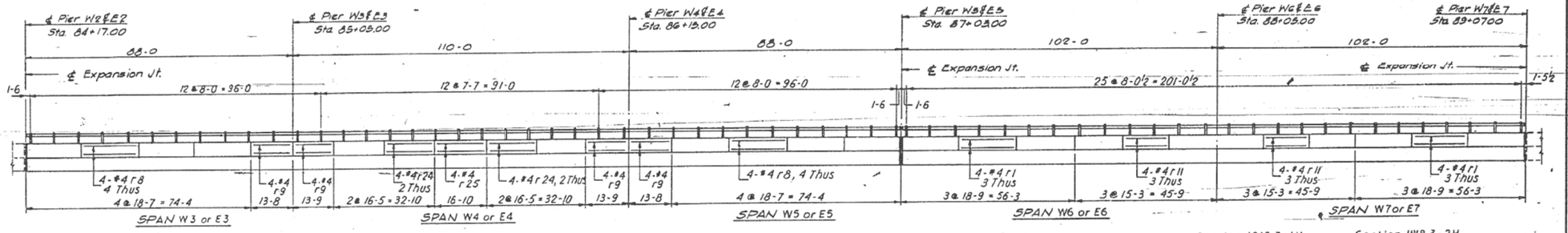
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.L.-55	SW-1818.3-1H	COOK	64	28
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58)-288		

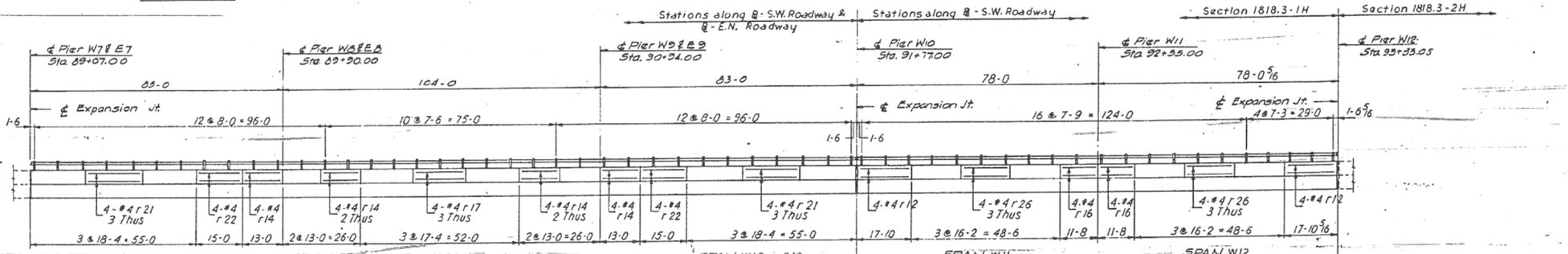
BILL OF MATERIAL
(This Sheet only)

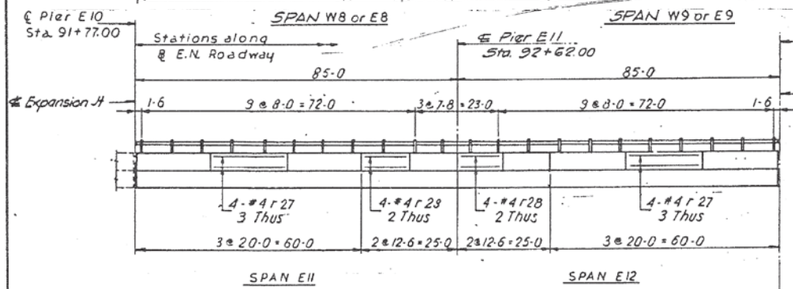
DESCRIPTION	UNIT	QUANTITY
Reinforcement Bars	Lbs	6470



TERMINAL STRUCTURE







NORTH PARAPET E.N. ROADWAY
(LOOKING NORTH)

SOUTH PARAPET S.W. ROADWAY
NORTH PARAPET E.N. ROADWAY (Except as shown)
(LOOKING NORTH)

NOTE:
Elevation shown is a developed view. All dimensions are horizontal and along ℄ of Railing and are not true dimensions along surface of the Bridge.

DESIGNED BY B.H.
DRAWN BY J.W. & T.V.
CHECKED BY A.M.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

PARAPET REINFORCEMENT DETAILS

SCALE: VERT. 3/16" = 1'-0; HORIZ. 1/16" = 1'-0 MAR. 1965
SHEET NO. 3-27 OF 64 SHEETS

130-60X07_As-Builts.dgn

AECOM

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

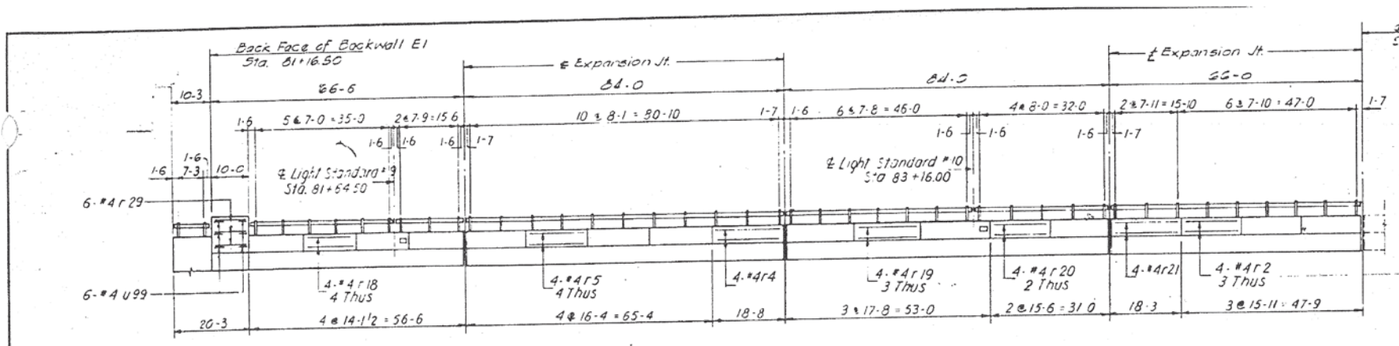
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 30 OF 173 SHEETS

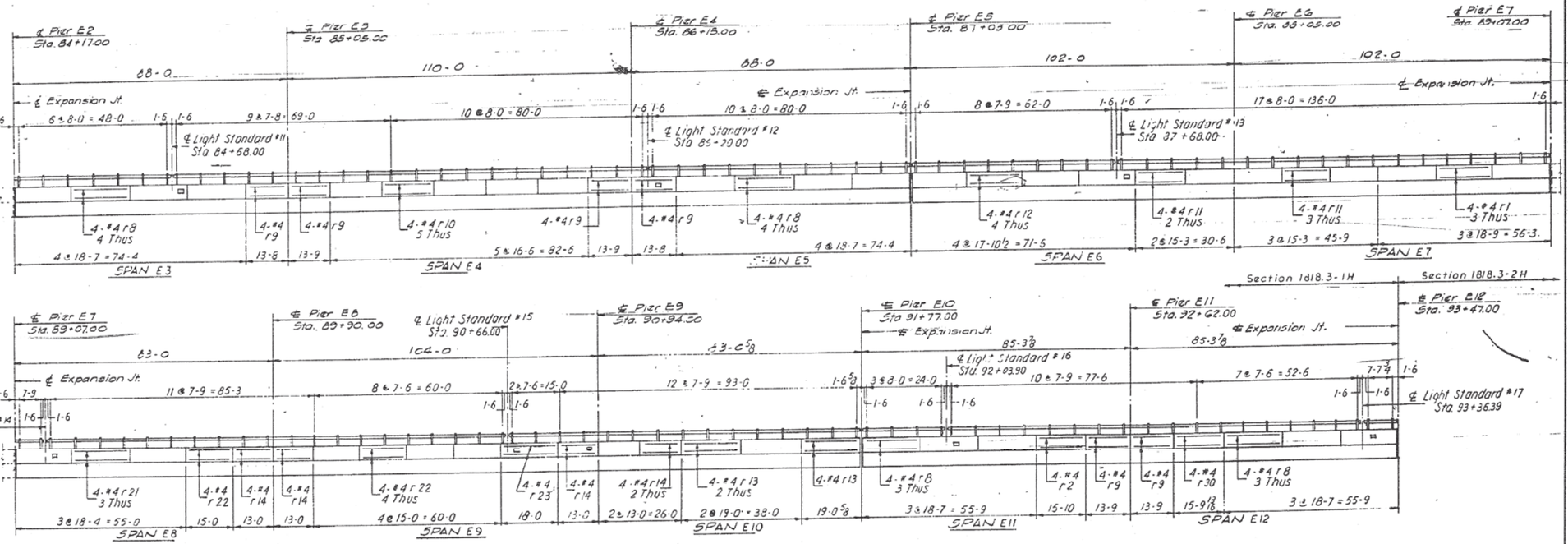
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	379
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.—55	SW-1818.3-1H	COOK	64	46
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58)-288		



TERMINAL STRUCTURE



SOUTH PARAPET E.N. ROADWAY

(LOOKING NORTH)

Symbol ▫ indicates Junction Box

BILL OF MATERIAL

(This Sheet only)

DESCRIPTION	UNIT	QUANTITY
Reinforcement bars	Lbs.	3255

NOTE:

Elevation shown is a developed view.
All dimensions are horizontal and along ℄ of Railing and are not true dimensions along surface of the Bridge.
All stations are along ℄ E.N. Roadway

DESIGNED BY B.H.
DRAWN BY J.W.
CHECKED BY A.M.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

PARAPET REINFORCEMENT DETAILS

SCALE: VERT. 3/16" = 1'-0; HORIZ. 1/16" = 1'-0 MAR. 1965
SHEET NO. S-28 OF 64 SHEETS

131-60X07_As-Builts.dgn

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 31 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	380
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. – 55	SW–1818.3–1H	COOK	62	47
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I–88–7(8)–288		

DECK REINFORCEMENT PLAN 1

Bar	Nº	Size	Length	Shape
S.W. ROADWAY ONLY				
SPANS W3, W4, W5, W6 & W7				
a1	419	*6	26-2	
a2	419		33-10	
a3	419		22-8	
a4	419		37-8	
a5	419		36-1	
a6	419	*6	26-8	
a7	984	*6	5-10	
b1	448	*5	4-6	
b2	800	*5	36-8	
b3	24	*4	37-6	
b4	24	*4	13-5	
b5	18	*4	28-0	
b6	156	*6	30-0	
b7	600	*5	34-10	
b8	36	*4	29-6	
b9	12	*4	15-0	
b10	78	*6	33-3	
d1	984	*5	6-8	
d2	256	*5	3-2	
At Light Standards and Drainage Inlets				
a7	24	*4	5-10	
a46	6	*5	7-6	
a47	27	*5	4-6	
a48	18	*6	9-0	
a49	24	*6	6-6	
a50	60	*6	6-0	
d2	24	*5	3-2	
E.N. ROADWAY ONLY				
SPANS E3, E4, E5, E6 & E7				
(All Bars are the same as for S.W. Road)				

DECK REINFORCEMENT PLAN 2

Bar	Nº	Size	Length	Shape
S.W. ROADWAY ONLY				
SPANS W8, W9, W10, W11 & W12				
a1	303	*6	26-2	
a2	375		33-10	
a3	303		22-8	
a4	375		37-8	
a5	232		36-1	
a6	232	*6	26-8	
a7	856	*4	5-10	
a8	71	*6	35-1	
a9	143		27-8	
a10	72		27-7	
a11	72		24-1	
a12	72		31-7	
a13	72	*6	8-1	
b1	451	*5	4-6	
b11	800	*5	34-8	
b12	24	*4	35-4	
b13	12	*4	39-6	
b14	24	*4	12-9	
b15	156	*6	28-6	
b16	502	*5	31-10	
b17	24	*4	33-6	
b18	12	*4	11-5	
b19	78	*6	25-3	
d1	856	*5	6-8	
d2	228	*5	3-2	
At Light Standards and Drainage Inlets				
a7	24	*4	5-10	
a46	6	*5	7-6	
a47	27	*5	4-6	
a48	15	*6	9-0	
a49	20	*6	6-6	
a50	50	*6	6-0	
d2	24	*5	3-2	
E.N. ROADWAY ONLY				
SPANS E8, E9 & E10				
a1	232	*6	26-2	
a2	232		33-10	
a3	232		22-8	
a4	232		37-8	
a5	232		36-1	
a6	232	*6	26-8	
a7	526	*4	5-10	
a14	16	*4	3-6	
a15	16	*4	3-9	
a16	56	*6	3-6	
b1	224	*5	4-6	
b11	800	*5	34-8	
b12	24	*4	35-4	
b13	12	*4	39-6	
b14	25	*4	12-9	
b15	156	*6	28-6	
d1	542	*5	6-8	
d2	144	*5	3-2	
At Light Standards and Drainage Inlets				
a7	16	*6	5-10	
a46	4	*5	7-6	
a47	18	*5	4-6	
a48	12	*6	9-0	
a49	16	*6	6-6	
a50	40	*6	6-0	
d2	16	*5	3-2	

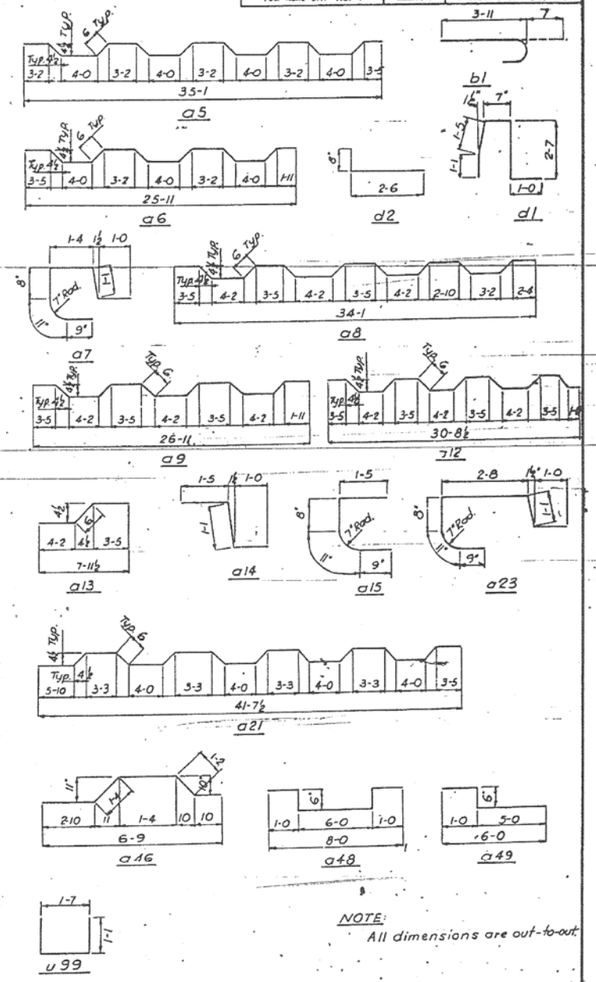
DECK REINFORCEMENT PLAN 3

Bar	Nº	Size	Length	Shape
E.N. ROADWAY ONLY				
SPANS E11 & E12				
a7	171	*4	5-10	
a17	145	*6	30-4	
a18	145		46-4	
a19	145		42-2	
a20	145		34-2	
a21	145		42-9	
a22	290	*6	21-0	
a23	171	*4	7-2	
b1	259	*5	4-6	
b20	570	*5	34-9	
b21	78	*4	36-8	
b22	6	*5	12-3	
b23	8	*4	13-6	
b24	90	*6	27-6	
d1	342	*5	6-8	
d2	92	*5	3-2	
At Light Standards and Drainage Inlets				
a23	16	*4	7-2	
a46	4	*5	7-6	
a47	18	*5	4-6	
a48	9	*6	9-0	
a49	12	*6	6-6	
a50	30	*6	6-0	
d2	16	*5	3-2	

PARAPET REINFORCEMENT

Bar	Nº	Size	Length	Shape
NORTH PARAPET S.W. ROADWAY				
r1	24	*4	18-6	
r2	12		15-7	
r3	8		17-10	
r4	4		18-4	
r5	28		16-0	
r6	12		16-9	
r7	4		14-5	
r8	32		18-3	
r9	16		13-5	
r10	36		16-3	
r11	20		15-0	
r12	12		17-7	
r13	24		16-8	
r14	24		12-8	
r15	20		15-4	
r16	8		11-5	
r17	4		17-0	
r29	6	*4	9-8	
u99	6	*4	3-9	
SOUTH PARAPET S.W. ROADWAY				
r1	36	*4	18-6	
r2	12		15-7	
r4	8		18-4	
r5	32		16-0	
r8	32		18-3	
r9	16		13-5	
r11	24		15-0	
r12	8		17-7	
r14	24		12-8	
r16	8		11-5	
r17	12		17-0	
r21	28		18-0	
r22	8		14-8	
r24	16		16-1	
r25	4		16-6	
r26	24		15-10	
r29	6	*4	9-8	
u99	6	*4	3-9	
NORTH PARAPET E.N. ROADWAY				
r1	36	*4	18-6	
r2	12		15-7	
r4	8		16-4	
r5	32		16-0	
r8	32		18-3	
r9	16		13-5	
r11	24		15-0	
r14	24		12-8	
r17	12		17-0	
r21	28		18-0	
r22	8		14-8	
r24	16		16-1	
r25	4		16-6	
r27	24		19-8	
r28	16		12-2	
r29	6	*4	9-8	
u99	6	*4	3-9	
SOUTH PARAPET E.N. ROADWAY				
r1	12	*6	18-6	
r2	16		15-7	
r4	4		18-4	
r5	16		16-0	
r8	36		18-3	
r9	24		13-5	
r10	20		16-3	
r11	20		15-0	
r12	16		17-7	
r13	12		18-8	
r14	20		12-8	
r18	16		13-10	
r19	12		17-4	
r20	8		15-2	
r21	16		18-0	
r22	20	*4	14-8	

Bar	Nº	Size	Length	Shape
SOUTH PARAPET E.N. ROADWAY				
r23	4	*4	17-8	
r29	6	*4	9-8	
r30	4	*4	15-6	
u99	6	*4	3-9	



NOTE:
All dimensions are out-to-out

DESIGNED BY B.H.
DRAWN BY B.B.
CHECKED BY B.H.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW–1818.3–1H

DECK REINFORCEMENT BAR LISTS

SCALE:
MAR. 1965
SHEET NO. 5-29 OF 64 SHEETS

132-60X07_As-Builts.dgn

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

AECOM

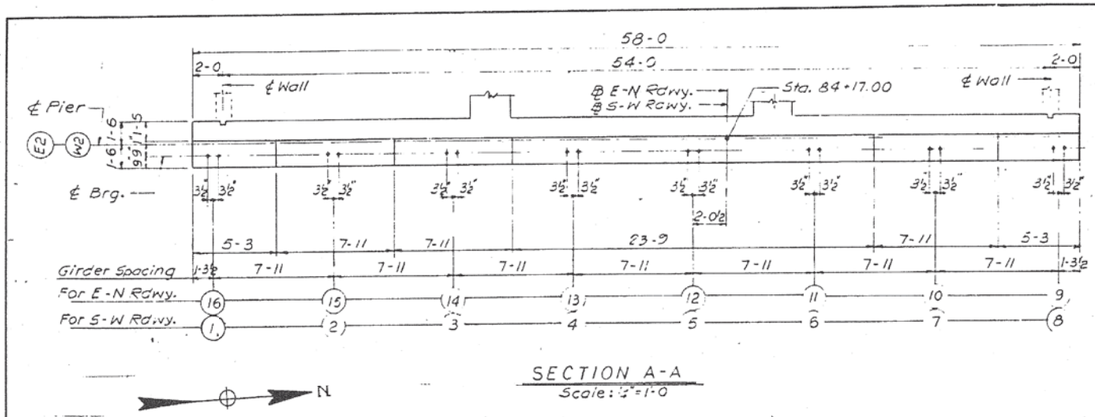
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILTS
I–55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 32 OF 173 SHEETS

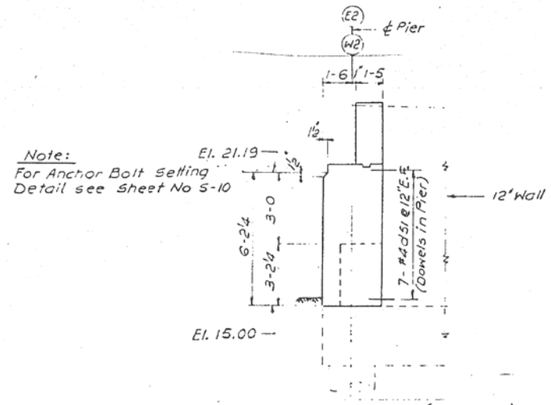
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	381
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.3-1H	COOK	64	48
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(58)-288		

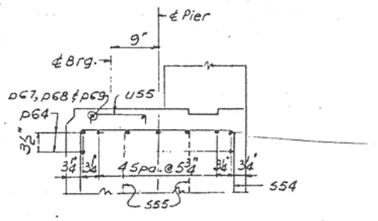


SECTION A-A
Scale: 1/4"=1'-0

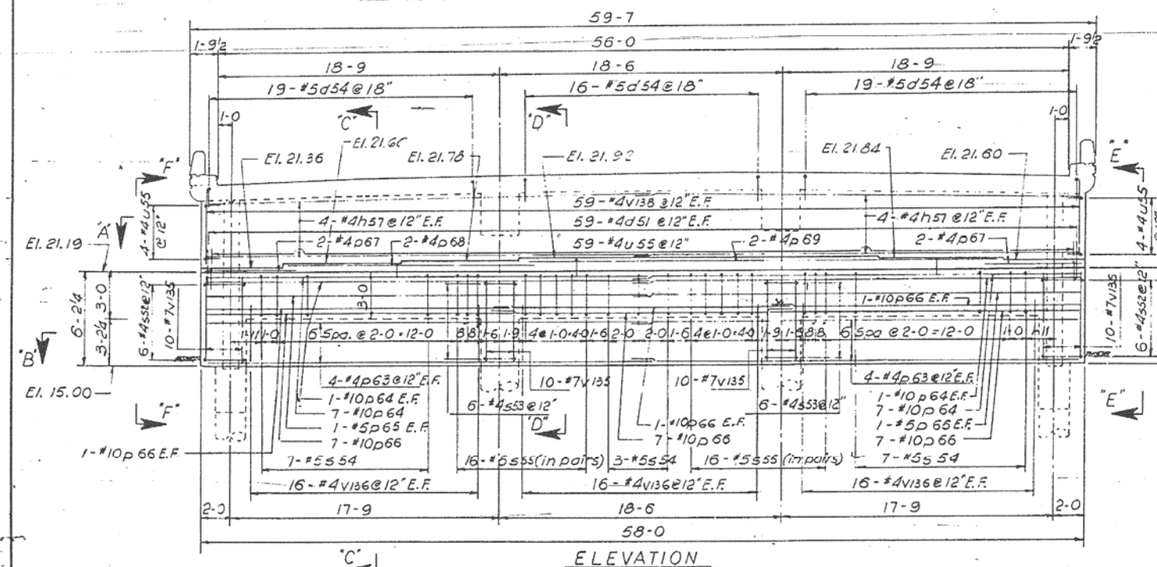


Note:
For Anchor Bolt Setting
Detail see Sheet No S-10

VIEW E-E (As shown)
VIEW F-F (Opp. Hand)

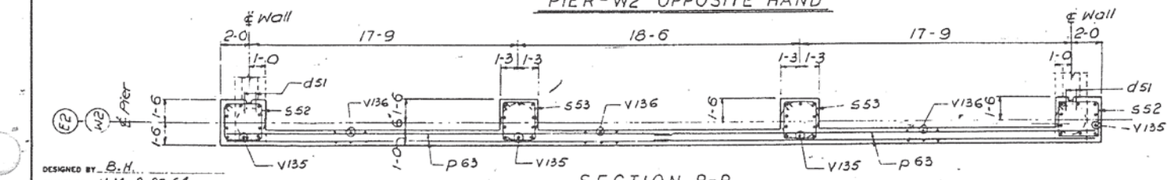


BAR SPACING IN CAP

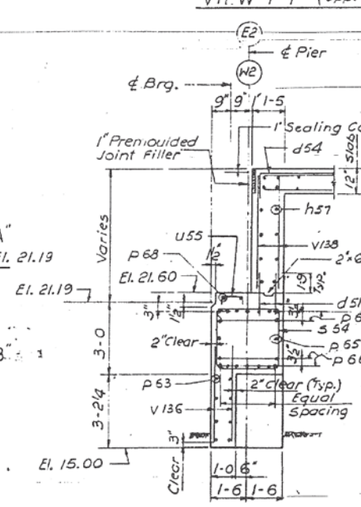


ELEVATION
Scale: 1/4"=1'-0

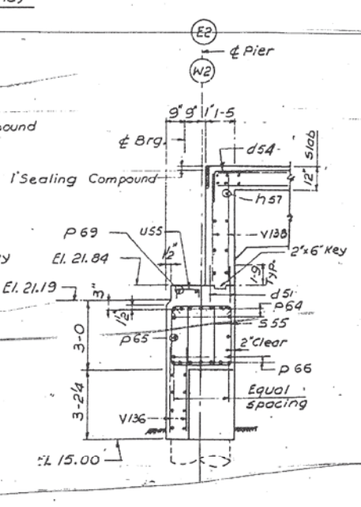
PIER-E2 AS SHOWN
PIER-W2 OPPOSITE HAND



SECTION B-B
Scale: 1/4"=1'-0



SECTION C-C
Scale: 3/8"=1'-0



SECTION D-D
Scale: 3/8"=1'-0

Notes:
1. For Key Plan see Sheet No S-1
2. For Sub-Piers see Sheet No S-2
3. For Bar List see Sheet No S-35
4. Work this Sheet together with Sheets S-32 & S-34

BILL OF MATERIAL (FOR ONE PIER ONLY)

Description	Unit	Quantity
Class 'X' Concrete	Cu. Yds.	32.0
Reinforcement Bars	Lbs.	6,888
Class 'A' Excavation for Structures	Cu. Yds.	2.0

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

TERMINAL STRUCTURE — PIERS

SCALE: AS NOTED
MAR. 1965
SHEET NO. S-30 OF 64 SHEETS

DESIGNED BY B.H.
DRAWN BY K.M. 8.27.64
CHECKED BY C.P.
APPROVED BY K.A.

133-60X07_As-Builts.dgn

AECOM

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

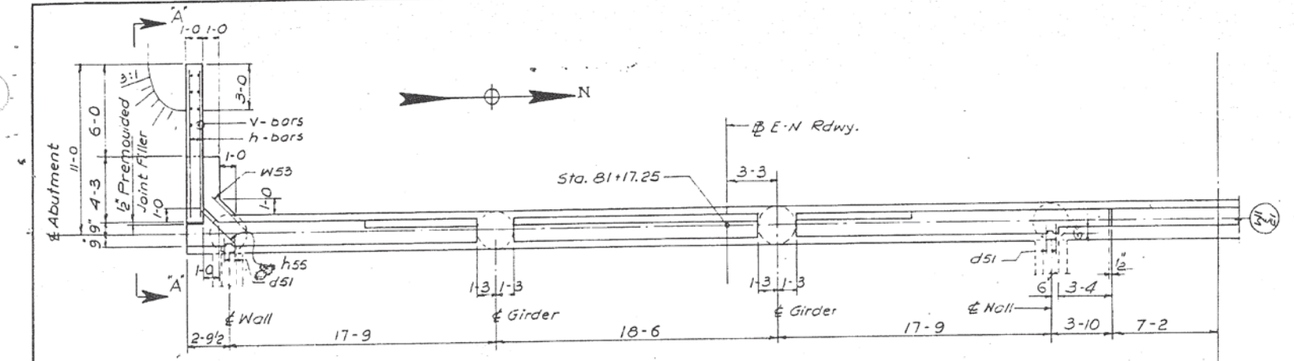
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 33 OF 173 SHEETS

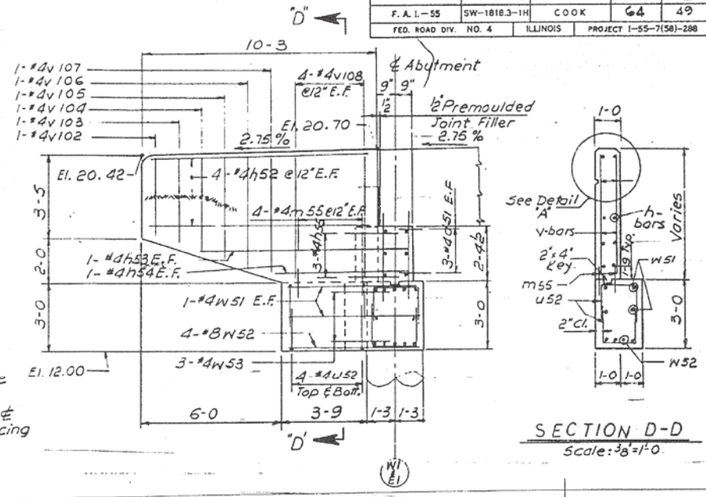
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	382
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

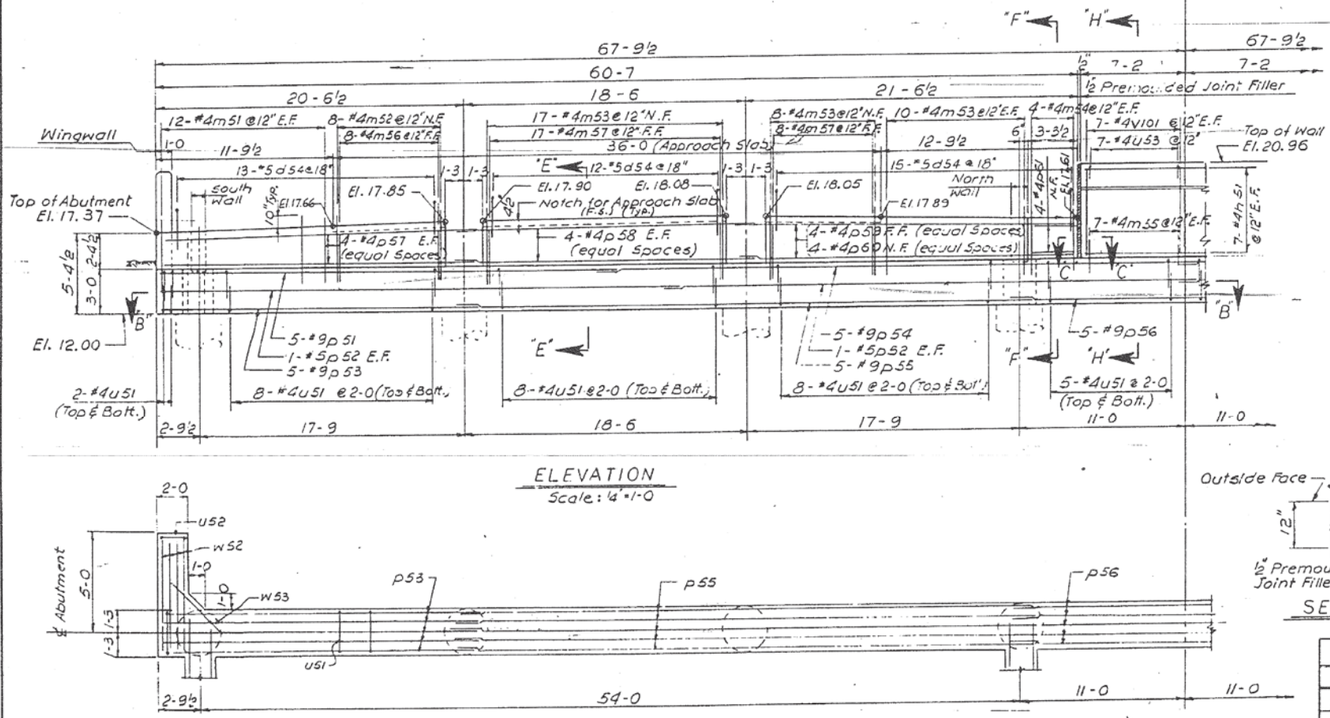
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.—55	SW-1818.3-1H	COOK	64	49
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58)-286		



PLAN
Scale: 1/4"=1'-0



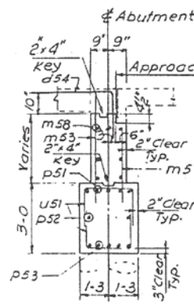
SECTION D-D
Scale: 3/8"=1'-0

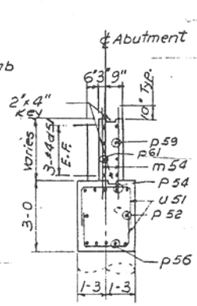


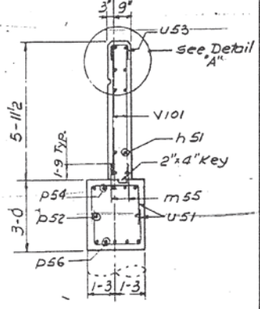
ELEVATION
Scale: 1/4"=1'-0

SECTION B-B
Scale: 1/8"=1'-0

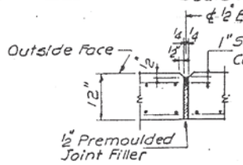
VIEW A-A
Scale: 3/8"=1'-0





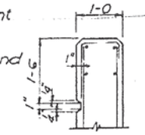


SECTION E-E
Scale: 3/8"=1'-0



SECTION C-C

SECTION F-F
Scale: 3/8"=1'-0



DETAIL "A"

SECTION H-H
Scale: 3/8"=1'-0

Notes:
1. For Key Plan see Sheet No S-1
2. Work this Sheet together with Sheets S-32 & S-33
3. For Bar List see Sheet No S-35
4. For Sub-Piers see Sheet No S-2

BILL OF MATERIAL		
Description	Unit	Quantity
Class "X" Concrete	Cu. Yds.	633
Reinforcement Bars	Lbs.	8047
Class "A" Excavation for Structure	Cu. Yds.	58.0

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

TERMINAL STRUCTURE—ABUTMENTS

SCALE: AS NOTED
MAR. 1965
SHEET NO. S-31 OF 64 SHEETS

DESIGNED BY B.H
DRAWN BY K.M. B.L.G.
CHECKED BY C.D
APPROVED BY K.A.

134-60X07_As-Builts.dgn

AECOM

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 34 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	383
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.–55	SW–1818.3–1H	COOK	64	50
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I–55–7(58)–288		

Note:
El. 'A' - shown Elevations for Walls 'A'
El. 'B' - shown Elevations for Walls 'B'
See Key Plan for Location

CONSTRUCTION JOINT

½" Chamfer
2"x4" Key
Reference Line

Door & Frame incidental to cost of Class 'X' Concrete

DOOR DETAIL "A"

SECTION B-B

EXPANSION JOINT DETAIL

For Abutment Detail see Sheet No 5-30

D see Sheet 5-33

Inside Face

Outside Face of Wall

Typ. except as noted

Typ. between Sub-Piers Except as noted

8 Spaces @ 31-6 = 252-0

ELEVATION
Scale: 1/4"=1'-0

NOTE: For complete Pier Detail see Sheet No 5-29

cut Bars in field to clear opening for Door. Place remaining portion of #4 v 133 as shown

3'-0 x 7'-0 Door for Walls 'B' only. See Detail 'A'

TYPICAL SECTION

KEY PLAN

BILL OF MATERIAL FOR ONE WALL ONLY			
Description	Unit	Quantity Wall A	Quantity Wall B
Class 'X' Concrete	Cu. Yds.	139.5	142.0
Reinforcement Bars	Lbs.	30,349	30,349
Class 'A' Excavation for Structure	Cu. Yds.	— 375.0 *	

* Includes Quantity for 2 walls 'A' & 2 walls 'B'

NOTES:
1. For Key Plan see Sheet No 5-1
2. For Sub-Piers see Sheet No 5-2
3. For Reinforcement Bar List see Sheet 5-35
4. Work this Sheet together with Sheets No 5-30 & 5-31
5. For Excavation Limits see Sheet 5-34

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

TERMINAL STRUCTURE — WALLS

SCALE: AS NOTED — MAR. 1965

SHEET NO. S-32 OF 64 SHEETS

DESIGNED BY B.H
DRAWN BY J. W.
CHECKED BY K. M.
APPROVED BY K. A.

135-60X07.As-Builts.dgn

AECOM

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

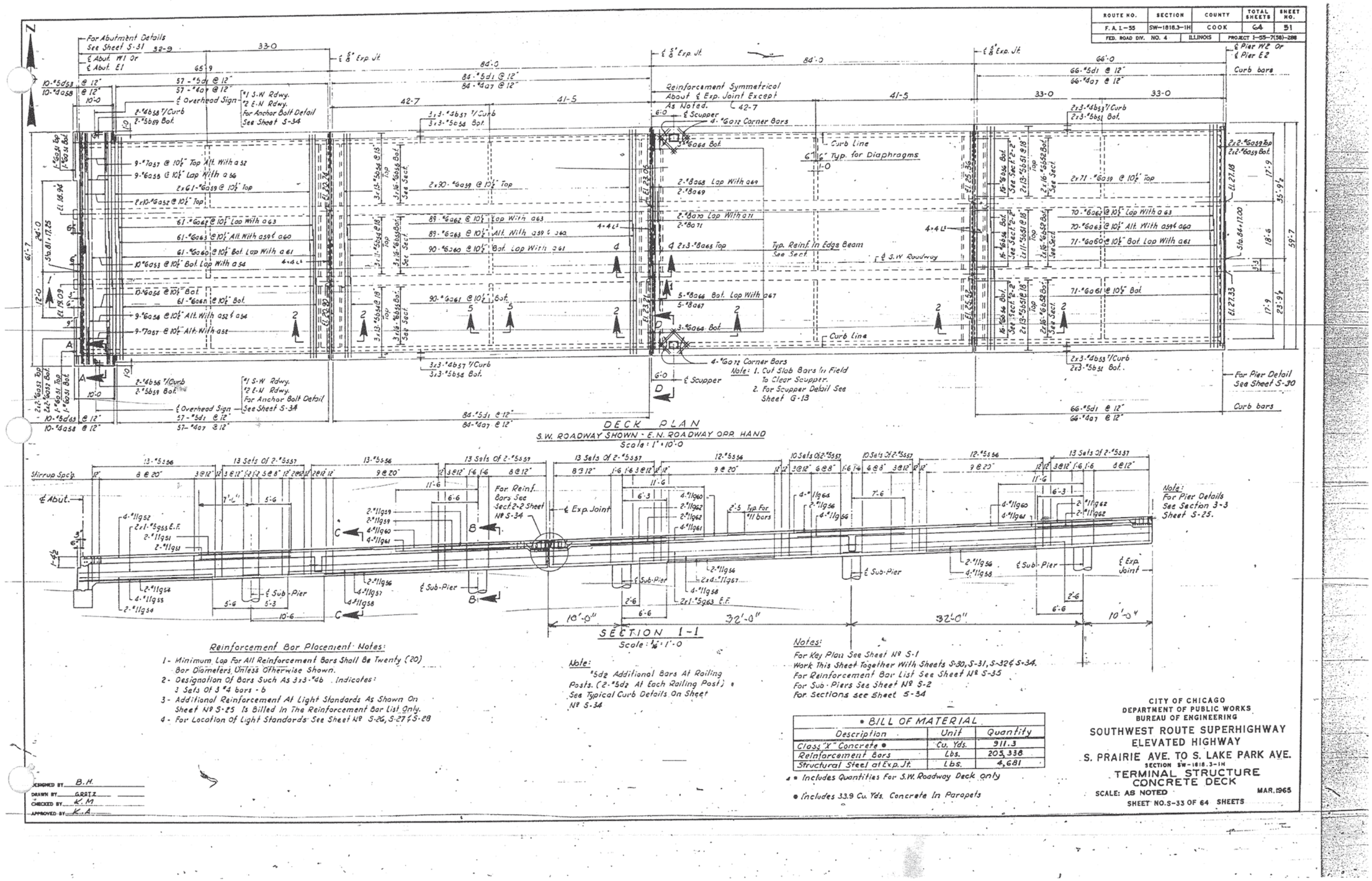
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILTS
I–55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 35 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	384
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.3-1H	COOK	64	51
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58)-288		



Reinforcement Bar Placement Notes:

1- Minimum Lap For All Reinforcement Bars Shall Be Twenty (20) Bar Diameters Unless Otherwise Shown.
2- Designation Of Bars Such As 3x3-#6b Indicates: 3 Sets Of 3 #4 bars - b
3- Additional Reinforcement At Light Standards As Shown On Sheet № S-25 Is Billed In The Reinforcement Bar List Only.
4- For Location Of Light Standards See Sheet № S-26, S-27 & S-28

Note:
#5dz Additional Bars At Railing Posts. (2-#5dz At Each Railing Post) See Typical Curb Details On Sheet № S-34

Notes:
For Key Plan See Sheet № S-1
Work This Sheet Together With Sheets S-30, S-31, S-32 & S-34.
For Reinforcement Bar List See Sheet № S-35
For Sub-Piers See Sheet № S-2
For Sections see Sheet S-34

• BILL OF MATERIAL

Description	Unit	Quantity
Class "X" Concrete •	Cu. Yds.	911.3
Reinforcement Bars	Lbs.	203,338
Structural Steel at Exp. Jt.	Lbs.	4,681

▲ • Includes Quantities For S.W. Roadway Deck only
• Includes 33.9 Cu. Yds. Concrete In Parapets

DESIGNED BY B.H.
DRAWN BY G.B.T.Z.
CHECKED BY K.M.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H
TERMINAL STRUCTURE
CONCRETE DECK

SCALE: AS NOTED MAR. 1965
SHEET NO. S-33 OF 64 SHEETS

136-60X07_As-Builts.dgn

AECOM

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

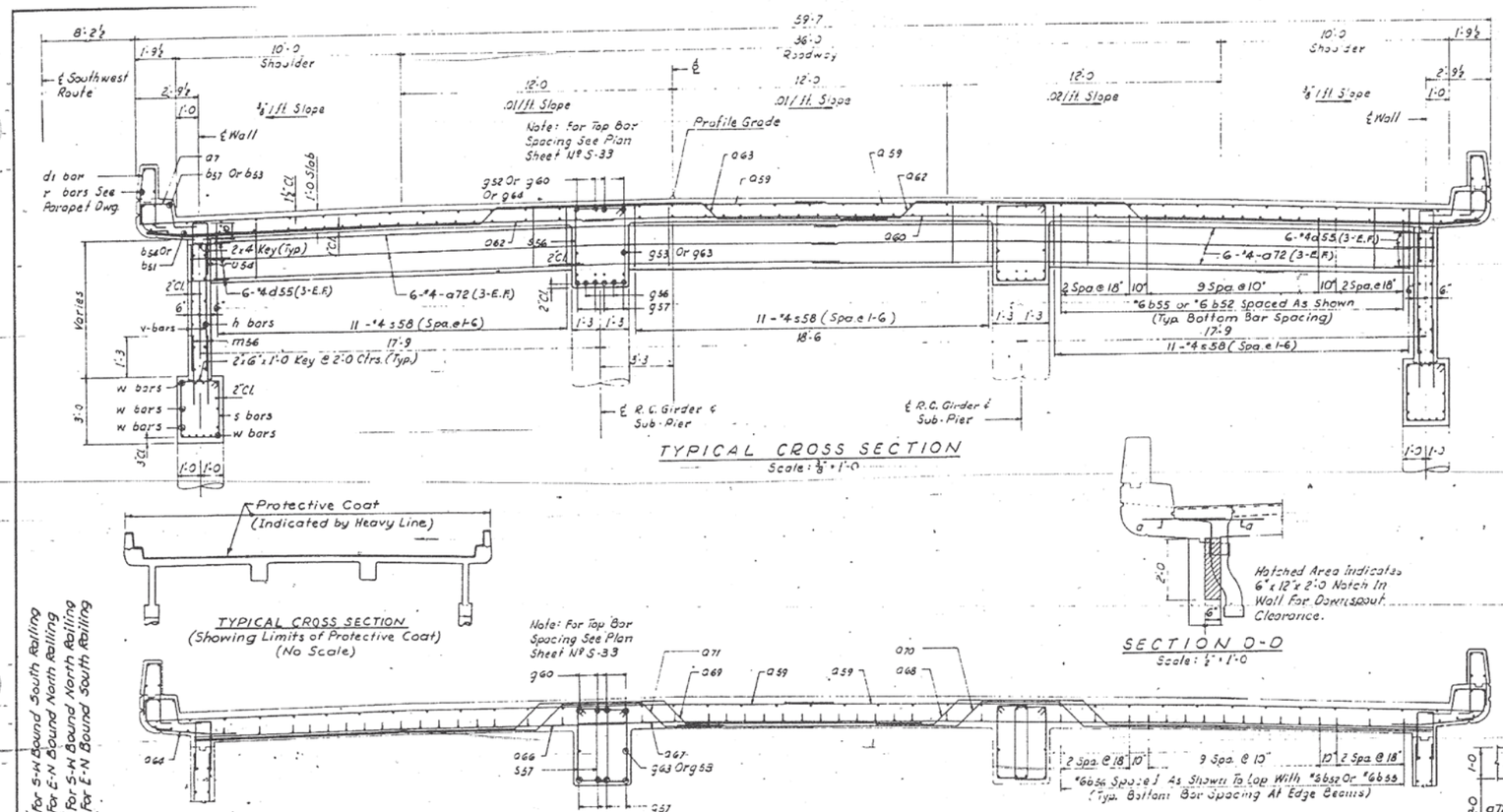
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 36 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	385
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

F. A. I.–55	SW-1818.3-1H	COOK	64	52
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58)-288		



TYPICAL CROSS SECTION
Scale: $\frac{3}{8}$" = 1'-0

TYPICAL CROSS SECTION
(Showing Limits of Protective Coat)
(No Scale)

SECTION D-D
Scale: $\frac{1}{2}$" = 1'-0

Hatched Area Indicates 6" x 12" x 2'-0 Notch In Wall For Downspout Clearance.

SECTION THRU EDGE BEAM
Scale: $\frac{1}{2}$" = 1'-0

PLAN - SIGN SUPPORT ANCHORAGE DETAILS
Scale: $\frac{1}{2}$" = 1'-0

SECTION 2-2
Scale: $\frac{1}{2}$" = 1'-0

SECTION 5-5
Scale: $\frac{1}{2}$" = 1'-0

SECTION 4-4
Scale: $\frac{1}{2}$" = 1'-0

SECTION A-A
Scale: $\frac{1}{2}$" = 1'-0

SECTION B-B
Scale: $\frac{1}{2}$" = 1'-0

SECTION C-C
Scale: $\frac{1}{2}$" = 1'-0

TYPICAL CURB SECTION
Scale: $\frac{1}{2}$" = 1'-0

PAY LIMITS
Class A Excavations for Structures

NOTE: Concrete Deck & Girder shall be poured monolithically between Expansion Joints.

DESIGNED BY B.H
DRAWN BY GRATZ
CHECKED BY K.M.
APPROVED BY K.A

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

TERMINAL STRUCTURE — SECTIONS

SCALE: AS NOTED — MAR. 1965

SHEET NO.S-34 OF 64 SHEETS

137-60X07_As-Builts.dgn

AECOM	USER NAME = auyeungh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED -	REVISED -	
	PLOT SCALE =	DRAWN - HAY	REVISED -	
	PLOT DATE = 5/22/2015	CHECKED - ATB	REVISED -	

AS–BUILTS
I–55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 37 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	386
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.–55	SW-1818.3-IH	COOK	64	35
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58)-288		

Bar	Nº	Size	Length	Shape
ABUTMENT (For both Abutments)				
Footing				
p51	10	#9	30-7	—
p52	8	#8	34-7	—
p53	10	#9	21-3	—
p54	10	#9	40-0	—
p55	10	#9	38-3	—
p56	5	#9	24-0	—
m51	48	#4	5-3	—
m52	16	#4	5-6	—
m53	90	#4	5-8	—
m54	16	#4	4-1	—
m55	44	#4	3-6	—
m56	16	#4	5-11	—
m57	30	#4	4-4	—
w51	8	#4	5-11	—
w52	8	#8	5-11	—
w53	8	#4	4-0	—
u51	124	#4	5-8	⊏
u52	16	#4	5-2	⊏
Abutment above Footing				
p57	16	#4	20-11	—
p58	16	#4	19-6	—
p59	8	#4	21-11	—
p60	8	#4	18-7	—
p61	8	#4	4-2	—
d51	24	#4	3-0	—
d54	80	#5	8-6	⌐
Wall above Footing				
v101	28	#4	5-9	—
h51	14	#4	14-0	—
u53	14	#4	2-8	⊏
Wing Wall (For both Wing Walls)				
h52	16	#4	9-11	—
h53	4	#4	9-0	—
h54	4	#4	6-3	—
h55	6	#4	4-0	—
v102	4	#4	3-4	—
v103	4	"	3-8	—
v104	4	"	4-0	—
v105	4	"	4-4	—
v106	4	"	4-8	—
v107	4	"	5-0	—
v108	16	#4	5-5	—

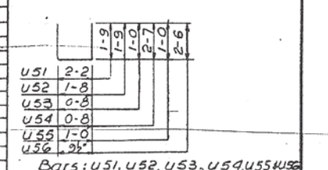
Bar	Nº	Size	Length	Shape
PIER-E2 (For one Pier only)				
v135	40	#7	5-6	—
v136	96	#4	4-0	—
p63	16	#4	29-4	—
p64	18	#10	31-0	—
p65	4	#5	29-5	—
p66	27	#9	20-8	—
p67	4	#4	6-0	—
p68	2	#4	16-8	—
p69	2	#4	31-4	—
d51	146	#4	3-0	—
u55	59	#4	3-0	⊏
s52	12	#4	11-6	⊡
s53	12	#4	10-6	⊡
s54	17	#5	11-6	⊡
s55	32	#5	9-8	⊡
WALL (For one Wall only)				
Footing				
w54	18	#5	34-8	—
w55	36	#10	10-6	—
w56	4	"	10-1	—
w57	36		34-1	—
w58	4		10-7	—
w59	32		18-0	—
w60	4		11-8	—
w61	4		25-10	—
w62	32		33-8	—
w63	4	#10	26-7	—
m56	600	#4	5-6	—
m57	10	#7	4-6	—
s51	327	#5	9-4	⊡
Wall				
h56	14	#4	22-8	—
h57	10	"	21-4	—
h58	84	"	22-0	—
h59	32	"	20-8	—
h60	40	"	22-6	—
h61	22	#4	21-2	—
v109	20	#4	7-11	—
v110	22	"	2-4	—
v111	22		2-7	—
v112	22		2-11	—
v113	22		3-3	—
v114	22		3-6	—
v115	22		3-10	—
v116	22		4-2	—
v117	20		4-5	—
v118	22		4-8	—
v119	20		5-0	—
v120	20		5-7	—
v121	20		6-2	—
v122	22		6-5	—
v123	22		7-0	—
v124	20		7-4	—
v125	22		7-7	—
v126	22		8-2	—
v127	20	#4	8-6	—

Bar	Nº	Size	Length	Shape
v128	22	#4	8-9	—
v129	22		9-1	—
v130	22		9-4	—
v131	22		9-8	—
v132	22		9-11	—
v133	22		10-3	—
v139	22		5-3	—
v140	22		5-9	—
v141	20	#4	6-9	—
u54	300	#4	5-10	⊔
s51	327	#5	9-4	⊡
d51	8	#4	3-0	—
SLAB (For one Slab only)				
Girders				
g51	16	#11	13-0	—
g52	16	#11	41-2	—
g53	16	#5	33-6	—
g54	16	#11	18-10	—
g55	16		26-6	—
g56	48		15-0	—
g57	48		43-0	—
g58	48		24-0	—
g59	18		11-0	—
g60	48		27-0	—
g61	48		19-0	—
g62	32	#11	10-6	—
g63	16	#5	42-4	—
g64	16	#11	34-5	—
s56	200	#5	12-0	⊡
s57	576	#5	10-6	⊡
Slab				
b51	172	#5	33-8	—
b52	192	#6	33-5	—
b53	24	#4	33-7	—
b54	258	#5	28-7	—
b55	268	#6	27-10	—
b56	288	#6	3-5	⌒
b57	36	#4	28-7	—
L58	4	#4	9-8	—
b59	4	#5	9-9	—
d1	582	#5	6-8	⌒
d53	20	#4	10-3	⊓
a7	582	#4	5-9	⊏⊐
a51	4	#6	12-5	—
a52	28		31-3	—
a53	10		40-5	—
a54	10		21-11	—
a55	9		27-2	⌒
a56	9	#6	36-2	⌒
a57	18	#7	10-1	—
a58	20	#4	6-9	⊏
a59	632	#6	30-2	—
a60	312		39-6	—
a61	312		20-5	—
a62	309		26-2	⌒
a63	309		35-2	⌒
a64	36	#6	4-0	—
a65	36	#8	30-6	—

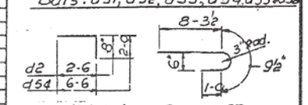
Bar	Nº	Size	Length	Shape
a66	30	#8	18-11	—
a67	30		37-5	—
a68	12		22-8	⌒
a69	12		33-2	⌒
a70	12		34-8	⌒
a71	12	#8	23-8	—
Bars at Scuppers				
a72	16	#6	6-0	—
Additional Bars at Railing Posts				
d2	164	#5	3-2	⌐
Additional Bars at Light Standard				
a7	16	#4	5-9	⊏⊐
a46	4	#5	7-6	⌒
a47	18	#5	4-6	—
d2	16	#5	5-2	⌐
Slab Support at Pier				
v138	118	#4	5-0	⊏⊐
h57	16	#4	29-4	⊏⊐
u55	8	#4	3-0	⊏
d54	54	#5	8-6	⌐
DIAPHRAGMS (For one Slab only)				
a72	48	#4	27-0	—
d55	48	#4	2-0	—
s58	132	#4	6-7	⊡
GIRDERS (at ℄ Exp. Joints Sh. S-33) (For Location see Section 6-6 on Sh. S-34)				
s59	18	#5	7-0	⊡
u56	24	#5	5-9½	⊏

Bar	Nº	Size	Length	Shape

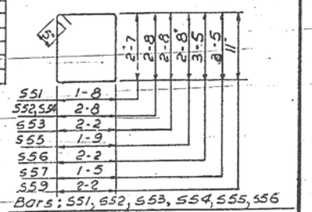
Bar	Nº	Size	Length	Shape



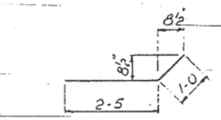
Bars: u51, u52, u53, u54, u55 & u56



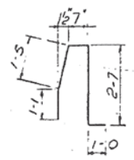
Bars: d2 & d54 Bar: a57



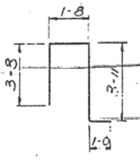
Bars: s51, s52, s53, s54, s55, s56 s57 & s59



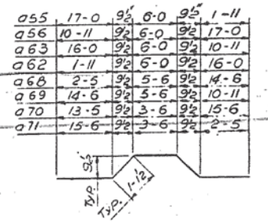
Bar: b56



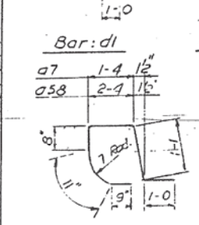
Bar: d1



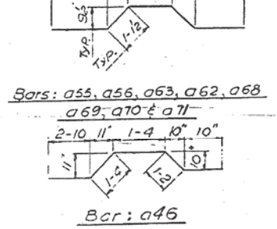
Bar: d53



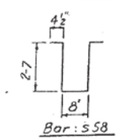
Bars: a55, a56, a63, a62, a68 a69, a70 & a71



Bars: a7 & a58



Bar: a46



Bar: s58

Note:
All Dimensions are out to out

CITY OF CHICAGO
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SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-IH
TERMINAL STRUCTURE
REINFORCEMENT BAR LISTS

SCALE: AS NOTED
MAR. 1965
SHEET NO. S-35 OF 64 SHEETS

DESIGNED BY H.N.
DRAWN BY V.M.
CHECKED BY H.N.
APPROVED BY K.A.

138-60X07.As-Builts.dgn

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

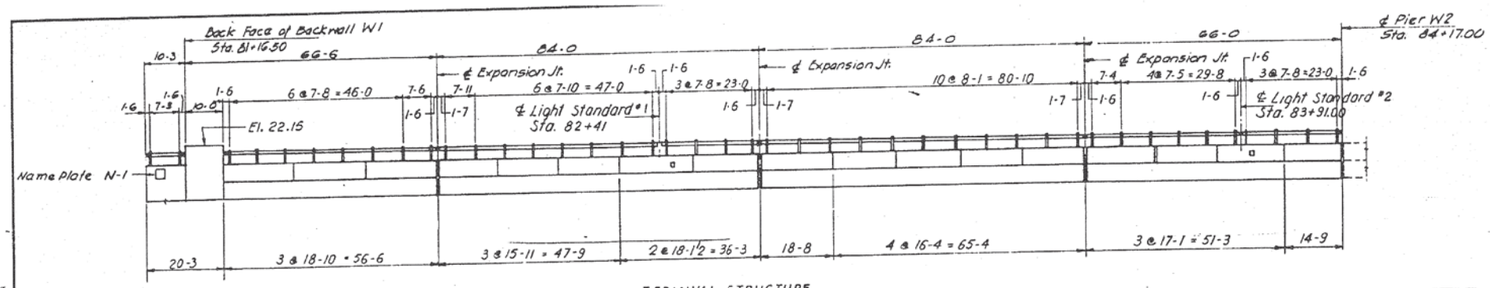
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 38 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	387
			CONTRACT NO. 60X07	
	ILLINOIS	FED. AID PROJECT		

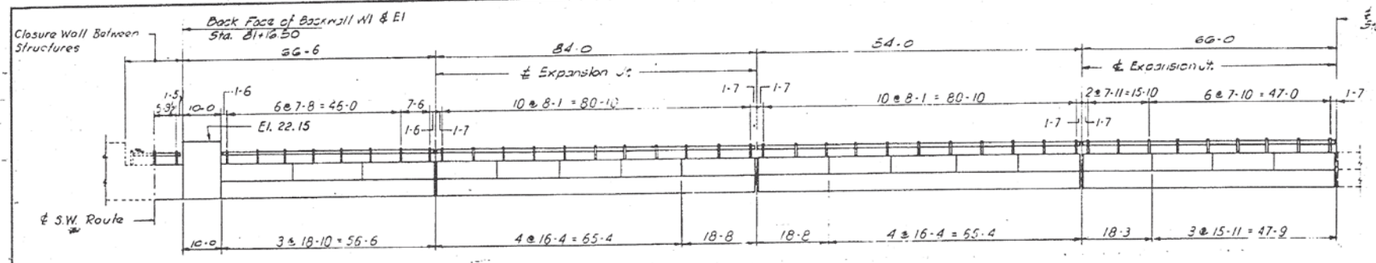
FOR INFORMATION ONLY

F. A. I.—55	SW-1818.3-1H	COOK	64	54
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58)-288		

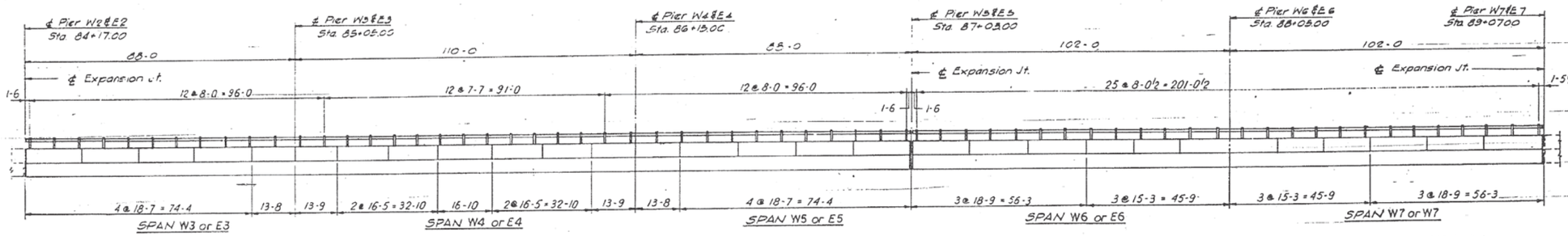

Back Face of Backwall W1
Sta. 81+16.50
66-6
84-0
84-0
66-0
℄ Pier W2
Sta. 84+17.00
10-3
1-6
1-6
6 @ 7-8 = 46-0
7-6
7-11
6 @ 7-10 = 47-0
1-6
1-6
3 @ 7-8 = 23-0
℄ Expansion Jt.
10 @ 8-1 = 80-10
7-4
4 @ 7-5 = 29-8
3 @ 7-8 = 23-0
1-6
1-6
1-7
1-7
1-7
1-7
1-6
1-6
1-6

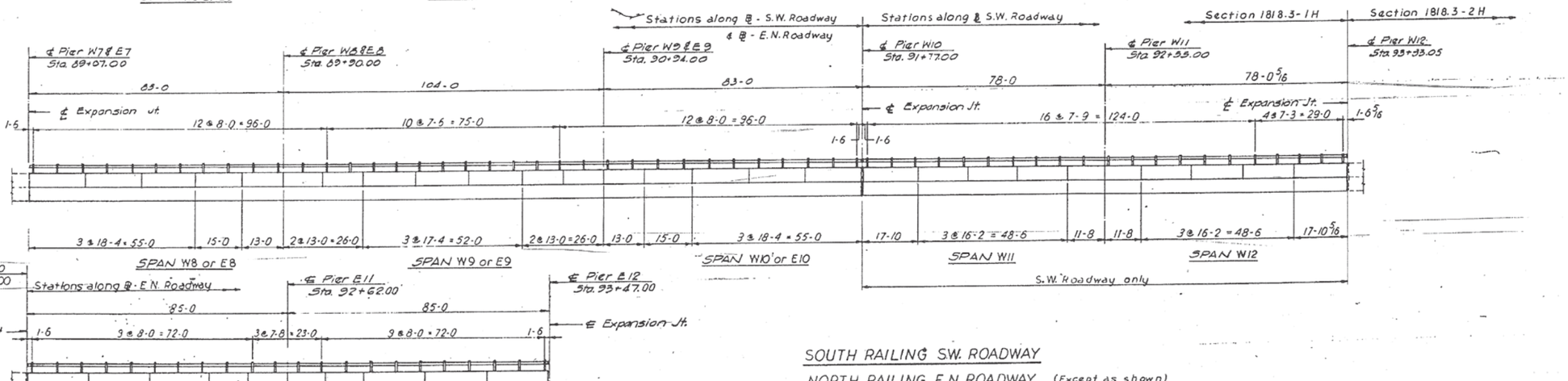
FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.–55	SW–1818.3–1H	COOK	64	55
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I–55–7(58)–288		



TERMINAL STRUCTURE





SOUTH RAILING S.W. ROADWAY

NORTH RAILING E.N. ROADWAY (Except as shown)

(LOOKING NORTH)

NOTE:

Elevation shown is a developed view. All dimensions are horizontal and along ℄ of Railing and are not true dimensions along surface of the Bridge.

DESIGNED BY BH
DRAWN BY V. & J.W.
CHECKED BY A.M.
APPROVED BY KA

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW–1818.3–1H

HANDRAIL ELEVATIONS

SCALE: VERT. 3/16" = 1'-0", HORIZ. 1/8" = 1'-0" MAR. 1965
SHEET NO. A-2 OF 64 SHEETS

140-60X07_As-Builts.dgn

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

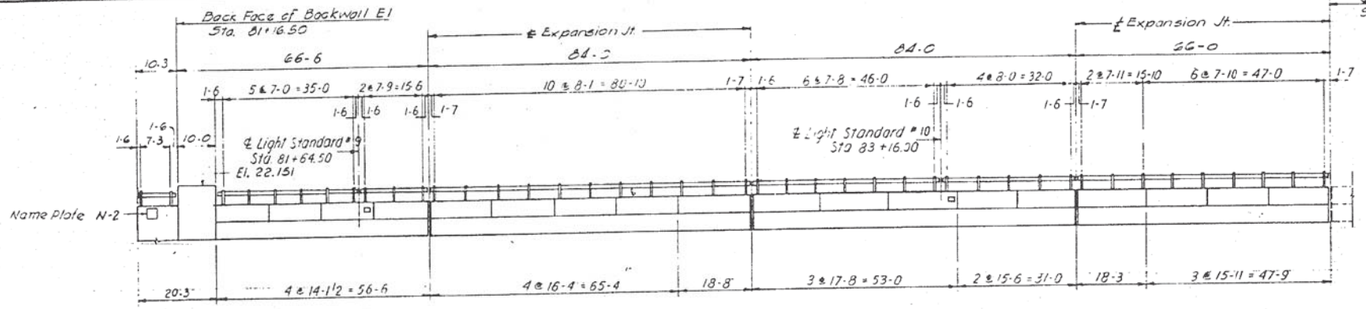
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILTS
I–55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 40 OF 173 SHEETS

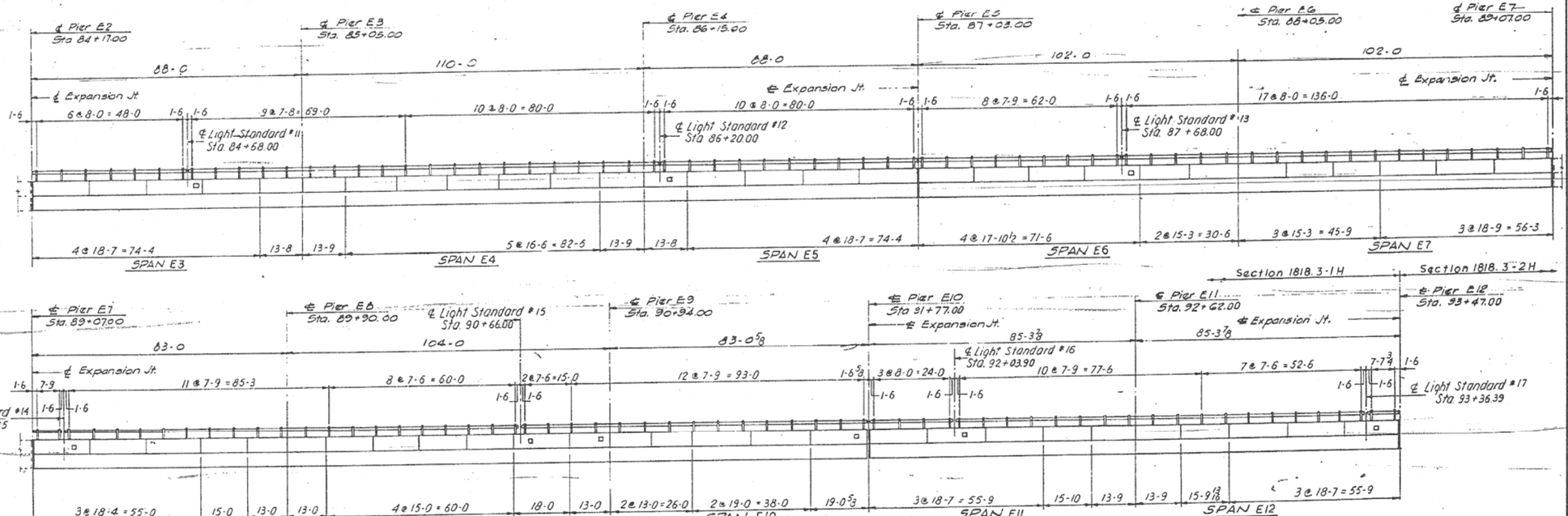
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	389
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.–55	SW–1818.3–1H	COOK	64	56
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1–55–7(58)–288		



TERMINAL STRUCTURE



Symbol □ indicates Junction Box

SOUTH RAILING E.N. ROADWAY
(LOOKING NORTH)

NOTE:
Elevation shown is a developed view.
All dimensions are horizontal and along ℄ of Railing and are not true dimensions along surface of the Bridge.
All stations are along ℄ E.N. Roadway.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. PRAIRIE AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H
HANDRAIL ELEVATIONS
SCALE: VERT. 3/16" = 1'-0; HORIZ: 1/16" = 1'-0 MAR 1965
SHEET NO. A-3 OF 64 SHEETS

DESIGNED BY B.H.
DRAWN BY J.W. & Y.T.
CHECKED BY A.M.
APPROVED BY K.A.

141-60X07_As-Builts.dgn

AECOM

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

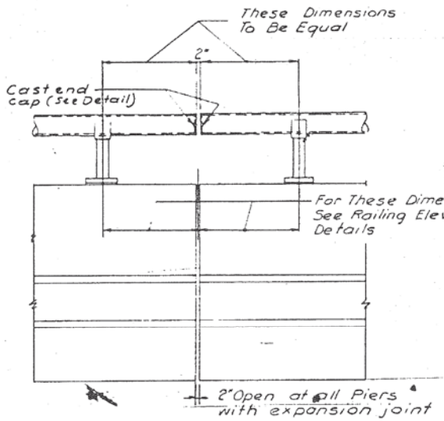
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILTS
I–55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 41 OF 173 SHEETS

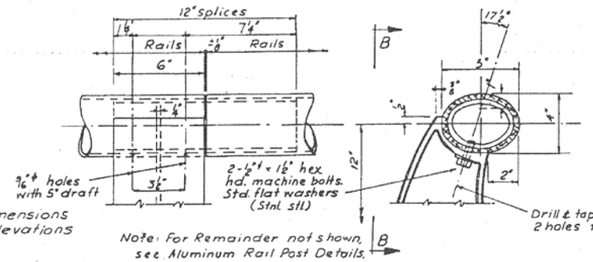
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	390
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.—55	SW-1818.3-1H	COOK	64	57
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(58-288		

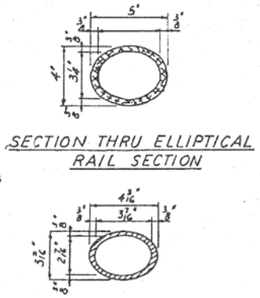


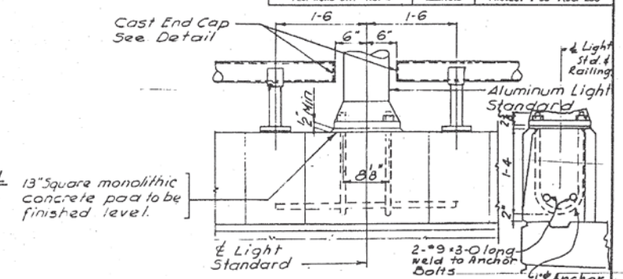
POSTS AT JOINTS OVER PIERS
Scale . 1"=1-0



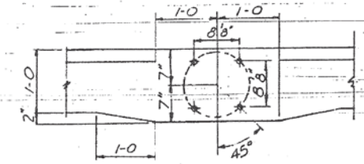
VIEW B-B SECTION A-A

RAIL POST DETAILS
(Metal)

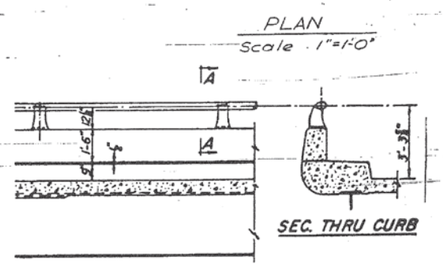




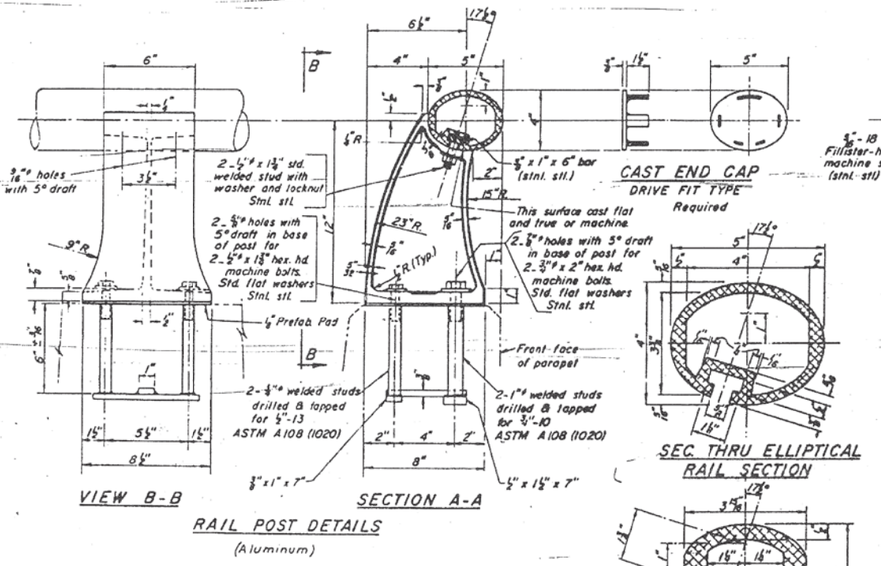
POST AT LIGHT STANDARD
Scale : 1"=1'-0"



PLAN
Scale . 1"=1'-0"



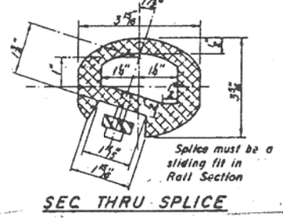
ELEVATION



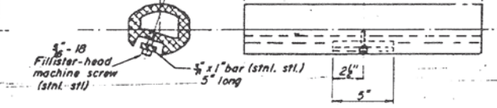
VIEW B-B SECTION A-A

RAIL POST DETAILS
(Aluminum)

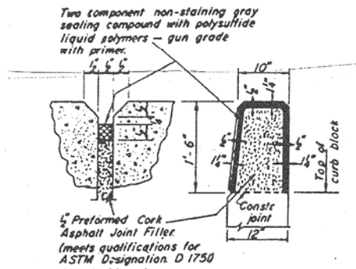
SEC. THRU ELLIPTICAL RAIL SECTION



SEC. THRU SPLICE



RAIL SPLICE



PARAPET JOINT DETAIL

NOTES

All Posts shall be normal to parapet. Handrail shall extend a minimum of 2 panel lengths (attached to minimum of 3 posts) except at ends or at open joints where a minimum of 1 panel length is required. All joints in railing must be spliced per detail.

Cost of rail splice, end caps and hardware to be incidental to the pay item for Handrail. The Details shown on this sheet apply to both Aluminum Handrail and Metal Handrail. See Special Provisions for these alternate types.
All Aluminum Alloy Extruded Rail shall conform to ASTM specification B-235 alloy 6061-T6, or 6062-T6.
See Special Provisions for following Material Specifications:
Cast Aluminum Alloy Bridge Post-Alloy 344-T4
Stainless Steel Welded Stud Bolts, Washers and Locknuts.

BILL OF MATERIAL

Item	Unit	Quantity
HANDRAIL	Lin. Ft.	4893

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. CALUMET AVE. TO S. LAKE PARK AVE.
SECTION SW-1818.3-1H

HANDRAIL DETAILS

SCALE: AS NOTED MAR. 1965
SHEET NO. A-4 OF 64 SHEETS

142-60X07_As-Builts.dgn

AECOM

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 42 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	391
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

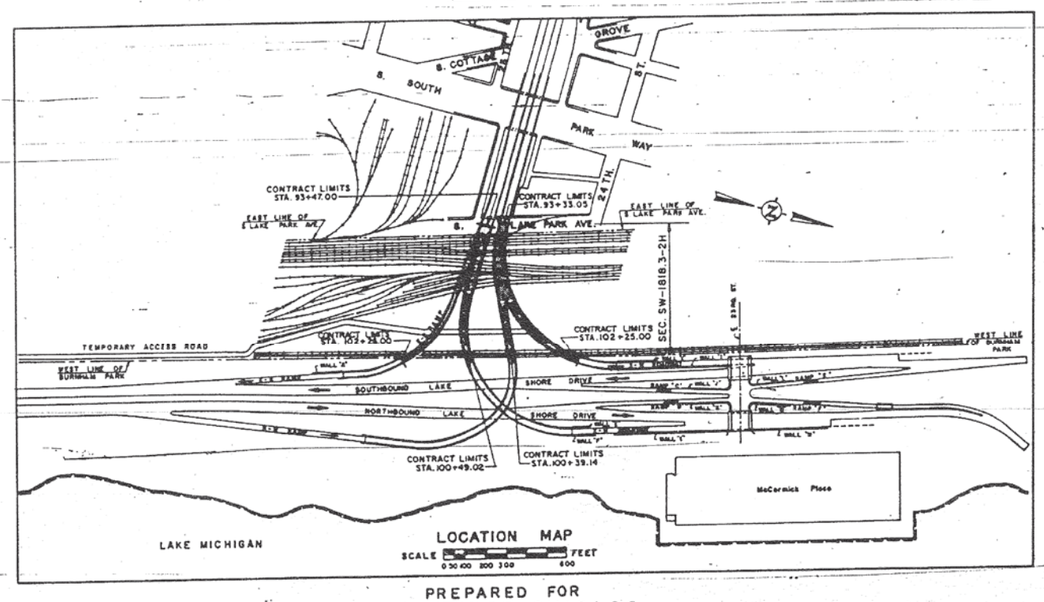
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.	SW-1818.3-2H	COOK	99	1
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I.G-55-7(59)-289		

STATE OF ILLINOIS
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY

PLANS FOR ELEVATED HIGHWAY
S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE
SECTION SW-1818.3-2H

F.A.I. ROUTE 55 PROJECT I G-55-7(59)-289



LENGTH OF STRUCTURES

E-S RAMP	731.18 FT.	0.138 MILES
E-N ROADWAY	702.02 FT.	0.133 MILES
N-W RAMP	276.29 FT.	0.052 MILES
S-W ROADWAY	891.95 FT.	0.169 MILES

PREPARED FOR
THE CITY OF CHICAGO
BY
H.W. LOCHNER INC.
ENGINEERS

PLANS APPROVED
BY THE STATE DIVISION OF HIGHWAYS

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
DATE DECEMBER 18, 1964
APPROVED _____ CHIEF SUBWAY & SUPERHIGHWAY ENGINEER
APPROVED _____ ASST. CHIEF ENGINEER
APPROVED _____ CHIEF ENGINEER
APPROVED _____ COMMISSIONER

THE DEPARTMENT OF
PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
APPROVED _____ 19 ____
CHIEF HIGHWAY ENGINEER
APPROVED _____ 19 ____
DIRECTOR

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED _____ 19 ____
DIVISION ENGINEER DATE

SHEET NO. G-1 OF 99 SHEETS

Reel # 45A
(Cook Co. Constr. Plans)

201-60X07_As-Builts.dgn

AECOM	USER NAME = auyeungh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	AS-BUILTS I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
		CHECKED -	REVISED -		
	PLOT SCALE =	DRAWN - HAY	REVISED -		
	PLOT DATE = 5/22/2015	CHECKED - ATB	REVISED -		SHEET NO. 43 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	392
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818.3-2N	COOK	99	2
FED. ROAD INV. NO. 4	ILLINOIS	PROJECT I.G.-55-7(209)-289		

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G-4 ALIGNMENT PLAN
G-5 COORDINATES AND DESCRIPTIONS OF ALIGNMENT AND TRAVERSE POINTS
G-6 DETAILS OF TEMPORARY ACCESS ROAD
G-7 PROFILE GRADES
G-8 SUPERELEVATION TRANSITION S-W RDWY
G-9 SUPERELEVATION TRANSITION E-N RDWY
G-10 SUPERELEVATION TRANSITION N-W & E-S RAMPS
G-11 PLAN OF EXISTING CONDITIONS
G-12 DRAINAGE PLAN
G-13 DRAINAGE STRUCTURE LOCATIONS
G-14 DRAINAGE STRUCTURE LOCATIONS
G-15 DRAINAGE STRUCTURE LOCATIONS
G-16 DRAINAGE DETAILS
G-17 DRAINAGE INLET DETAILS
G-18 DETAILS OF PROJECT SIGN & STEEL PLATE BEAM GUARD RAIL
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E-5 DETAIL FOR STEEL LIGHT STANDARDS

SUMMARY OF QUANTITIES

ITEM	UNIT	QUANTITY	DESCRIPTION
1	CU. YDS.	5,550	SPECIAL EXCAVATION
2	CU. YDS.	860	CLASS A EXCAVATION FOR STRUCTURES
3	LBS.	305,000	STEEL SHEET PILING, PERMANENT
4	LBS.	52,500	STEEL BRACING
5	CU. FT.	54,500	SUB-PIERS
6	CU. YDS.	6,550	CLASS X CONCRETE
7	LBS.	1,963,500	REINFORCEMENT BARS
8	LBS.	3,875,000	FURNISHING AND ERECTING STRUCTURAL STEEL
9	LIN. FT.	5,202	FURNISHING AND ERECTING METAL HANDRAIL
9A	LIN. FT.	5,202	FURNISHING AND ERECTING ALUMINUM HANDRAIL
10	EACH	23	FLOOR DRAINS, TYPE A
11	LIN. FT.	1,010	DOWNSPOUTS, 6-INCH
12	EACH	19	CATCH BASINS, TYPE A, 4 FT. DIA.
13	EACH	8	MANHOLES, TYPE A, 4 FT. DIA.
14	EACH	5	MANHOLES, TYPE A, 5 FT. DIA.
15	LIN. FT.	230	STORM SEWERS, TYPE 2, 6 INCH
16	LIN. FT.	1,050	STORM SEWERS, TYPE 2 (EXTRA STRENGTH CONCRETE SEWER PIPE), 8 INCH
19	LIN. FT.	480	STORM SEWERS, TYPE 2, (REINFORCED CONCRETE SEWER PIPE, CLASS IV, WALL B), 12 INCH
20	LIN. FT.	500	STORM SEWERS, TYPE 2, (REINFORCED CONCRETE SEWER PIPE, CLASS IV, WALL B), 15 INCH
21	LIN. FT.	150	STORM SEWERS, TYPE 2, (REINFORCED CONCRETE SEWER PIPE, CLASS IV, WALL B), 18 INCH
22	LIN. FT.	190	STORM SEWERS, TYPE 2, (REINFORCED CONCRETE SEWER PIPE, CLASS IV, WALL B), 24 INCH
23	LIN. FT.	130	STORM SEWERS, TYPE 3, (REINFORCED CONCRETE SEWER PIPE, CLASS IV, WALL B), 30 INCH
24	LIN. FT.	60	STORM SEWERS, TYPE 3, 30 INCH
25	EACH	2	NAME PLATES
26	LIN. FT.	90	1 1/2 - INCH STEEL CONDUIT
27	LIN. FT.	2,700	2 INCH STEEL CONDUIT
28	EACH	22	JUNCTION BOXES
29	LIN. FT.	2,020	NO. 10 A.W.G. INSULATED WIRE
30	LIN. FT.	8,400	NO. 6 A.W.G. INSULATED CABLE IN CONDUIT
31	EACH	8	LIGHT STANDARDS, 1-6-FT. ARM ALUMINUM
32	EACH	10	LIGHT STANDARDS, 1-12-FT. ARM ALUMINUM
33	EACH	2	LIGHT STANDARDS, 2-8-FT. ARMS ALUMINUM

SUMMARY OF QUANTITIES

ITEM	UNIT	QUANTITY	DESCRIPTION
31A	EACH	8	LIGHT STANDARDS, 1-6-FT. ARM STEEL
32A	EACH	10	LIGHT STANDARDS, 1-12-FT. ARM STEEL
33A	EACH	2	LIGHT STANDARDS, 2-8-FT. ARMS STEEL
34	LUMP SUM		SYSTEM GROUNDING
35	SQ. YDS.	13,900	PROTECTIVE COAT
36	CU. YDS.	56	ADDITIONAL EXCAVATION
37	CU. YDS.	50	CRUSHED STONE FILL
38	TON	50	SAND BACKFILL
39	CU. YDS.	35	ROCK EXCAVATION
40	LBS.	20,500	STEEL SHEET PILING, TEMPORARY
41	GALLON	65	BITUMINOUS MATERIAL (PRIME COAT)
42	TONS	55	BITUMINOUS CONCRETE BINDER COURSE
43	TONS	55	BITUMINOUS CONCRETE SURFACE COURSE SUB-CLASS I-11
44	SQ. YDS.	8,350	GRAVEL OR CRUSHED STONE SURFACE COURSE, TYPE B (12")
45	SQ. YDS.	650	GRAVEL OR CRUSHED STONE BASE COURSE, TYPE A (9")
46	LIN. FT.	2,175	STEEL PLATE BEAM GUARD RAIL
47	INCH DIA.	52	TREE REMOVAL (4 TO 15 INCH DIAMETER)

NOTE: (THERE ARE NO ITEMS 17 AND 18 IN THIS CONTRACT)

DESIGNED BY H.N.
DRAWN BY H.S.
CHECKED BY B.H.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE
SECTION SW-1818.3-2N

INDEX OF SHEETS AND SUMMARY OF QUANTITIES

SCALE: AS NOTED DEC. 1964

SHEET NO. G-2 OF 99 SHEETS

202-60X07_As-Builts.dgn

AECOM

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 44 OF 173 SHEETS

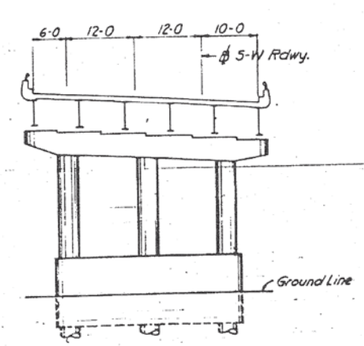
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	393
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		

FOR INFORMATION ONLY

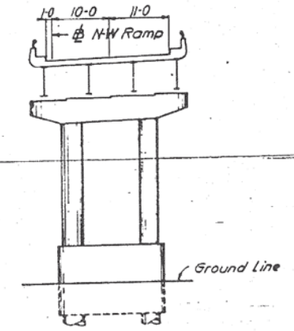
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.—55	SW-1818.3—2H	COOK	99	3
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I.Q.—55—7(39)—288		



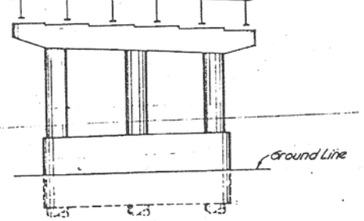
PLAN
SCALE: 1"=50'-0"



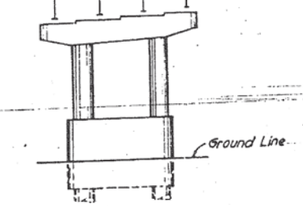
SECTION A—A



SECTION B—B



SECTION C—C



SECTION D—D

SECTIONS
SCALE: 3/32" = 1'-0"

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE
SECTION SW—1818.3—2H

GENERAL PLAN
SCALE: AS NOTED DEC. 1964
SHEET NO. G-3 OF 99 SHEETS

203-60X07_As-Builts.dgn

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

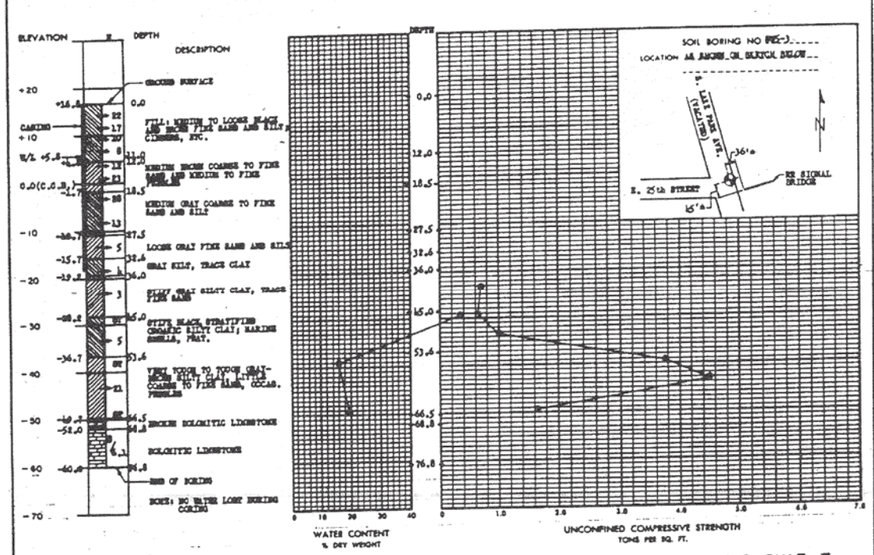
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 45 OF 173 SHEETS

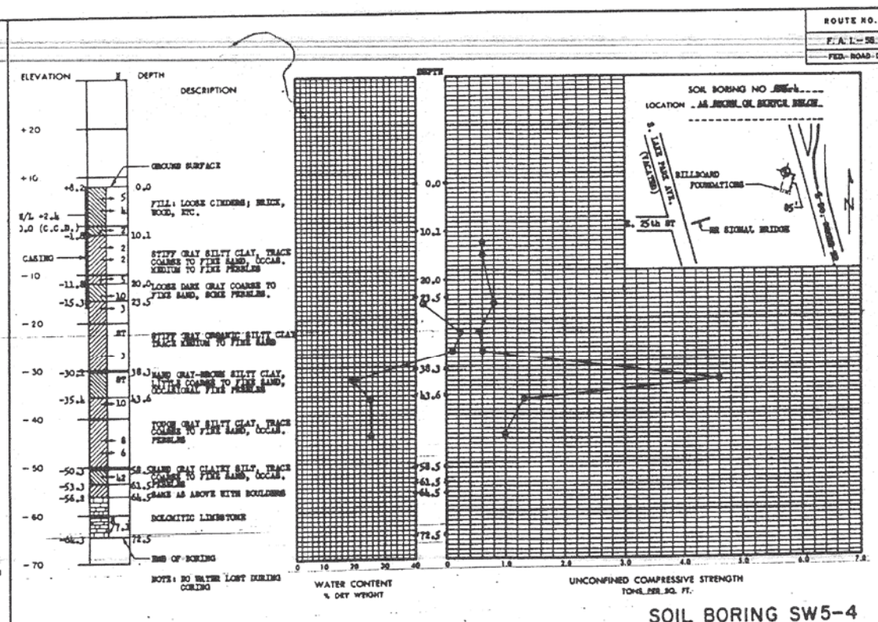
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	394
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

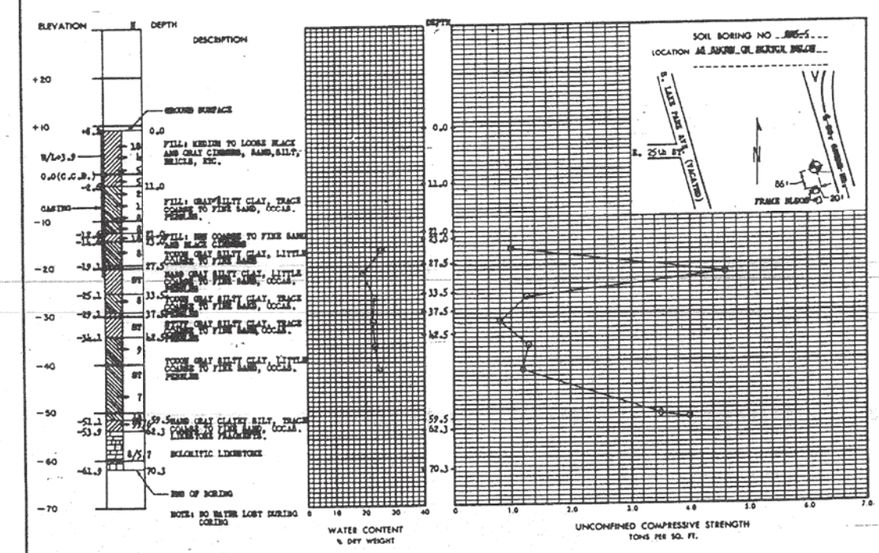
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. – 55	SW–1818.3–2H	COOK	99	19
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I.G.–55–7(58)–288		



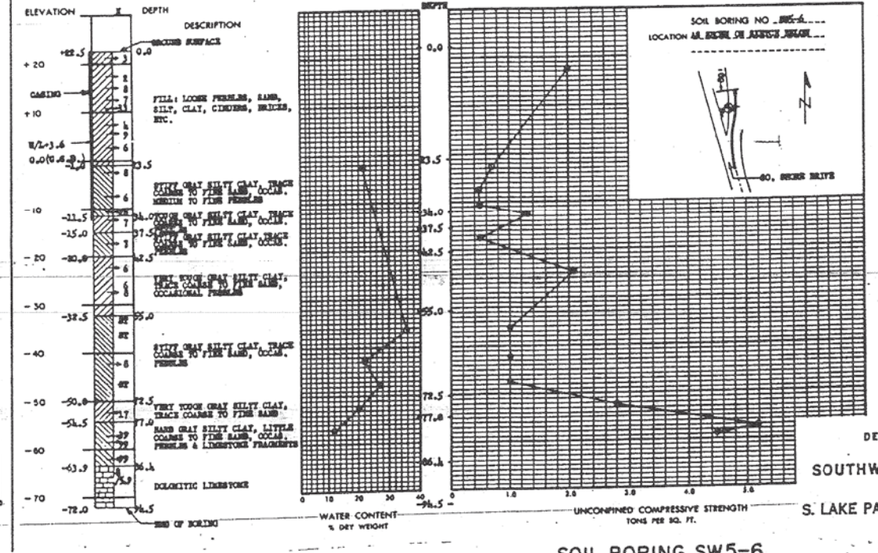
SOIL BORING SW5-3



SOIL BORING SW5-4



SOIL BORING SW5-5



SOIL BORING SW5-6

REMARKS

- N = NUMBER OF BLOWS OF 140 LB WT FALLING 30" TO PENETRATE 12"
- ⊕ = TEST VALUE
- ⊖ = HYDRATING TEST VALUE
- W.L. = WATER LEVEL - 24 HOURS AFTER DRILLING
- 5/5 = DEPTH OF ROCK CORED / AMOUNT RECOVERED
- ST = SHELBY TUBE SAMPLE - 2" O.D.
- → = SPLIT SPOON SAMPLE - 1 3/8" I.D., 2" O.D.

for Soil Boring Location See Sheet S-1

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE
SECTION SW-1818.3-2H

SOIL BORINGS

SCALE: AS NOTED DEC. 1964

SHEET NO. G-19 OF 99 SHEETS

204-60X07_As-Builts.dgn

AECOM

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

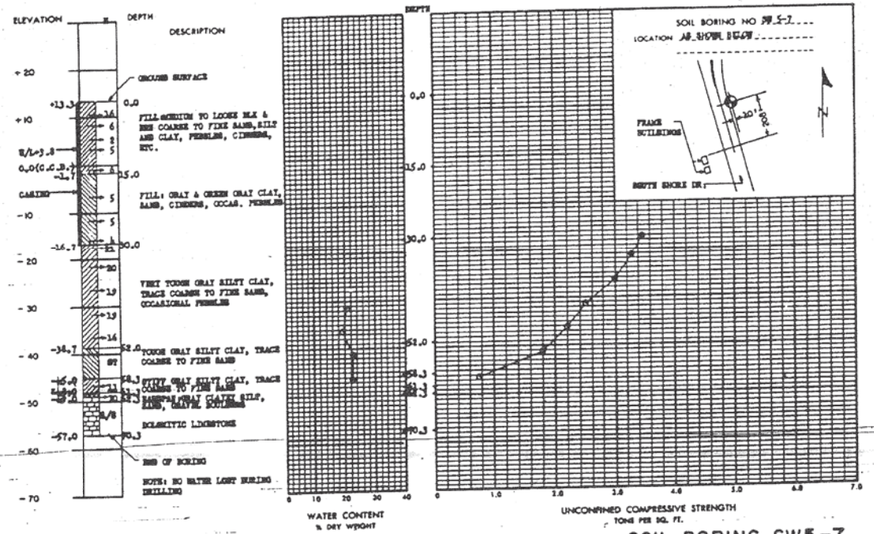
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

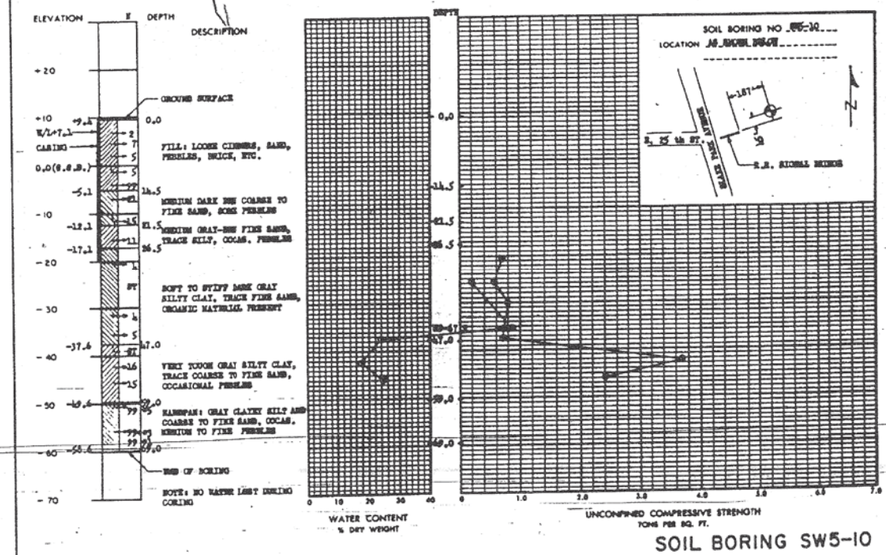
AS–BUILTS
I–55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 46 OF 173 SHEETS

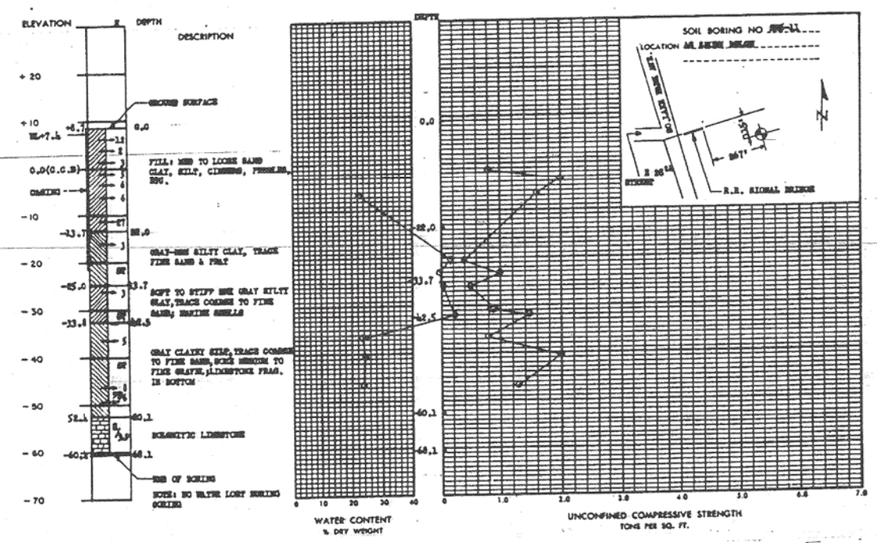
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	395
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.—55	SW-1818.3-2H	COOK	99	20
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I.G.-55-7(50)-280		







REMARKS

N NUMBER OF BLOWS OF 140 LB WT. FALLING 30" TO PENETRATE 12"
@ TEST VALUE
@ ESTIMATED TEST VALUE
W/L WATER LEVEL - 24 HOURS AFTER DRILLING
5/5 DEPTH OF ROCK CORED / AMOUNT RECOVERED
ST SHELBY TUBE SAMPLE - 2" O.D.
SPLIT SPOON SAMPLE - 1 3/8" I.D., 2" O.D.

For Soil Boring Location See Sheet S-1

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE
SECTION SW-1818.3-2H

SOIL BORINGS

SCALE: AS NOTED DEC. 1964
SHEET NO. S-20 OF 99 SHEETS

205-60X07.As-Builts.dgn

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

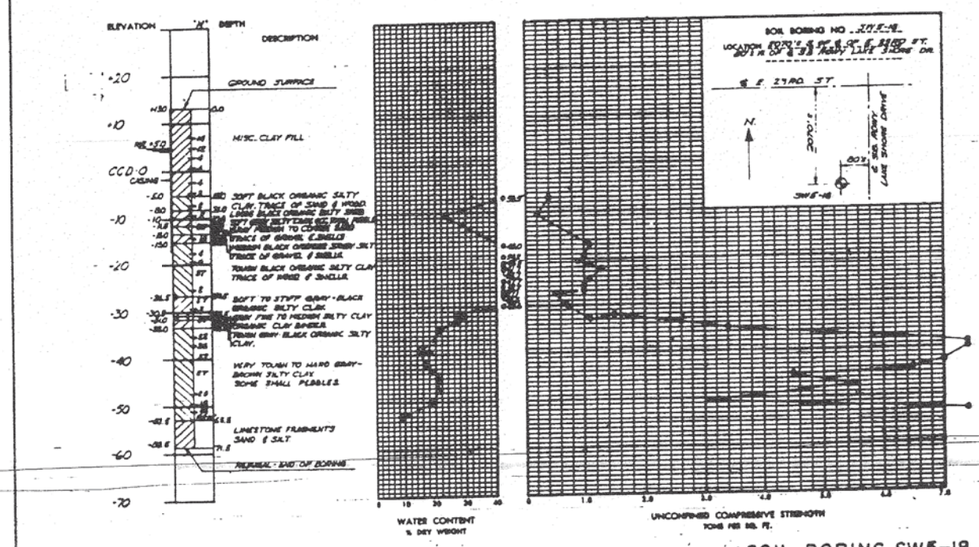
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 47 OF 173 SHEETS

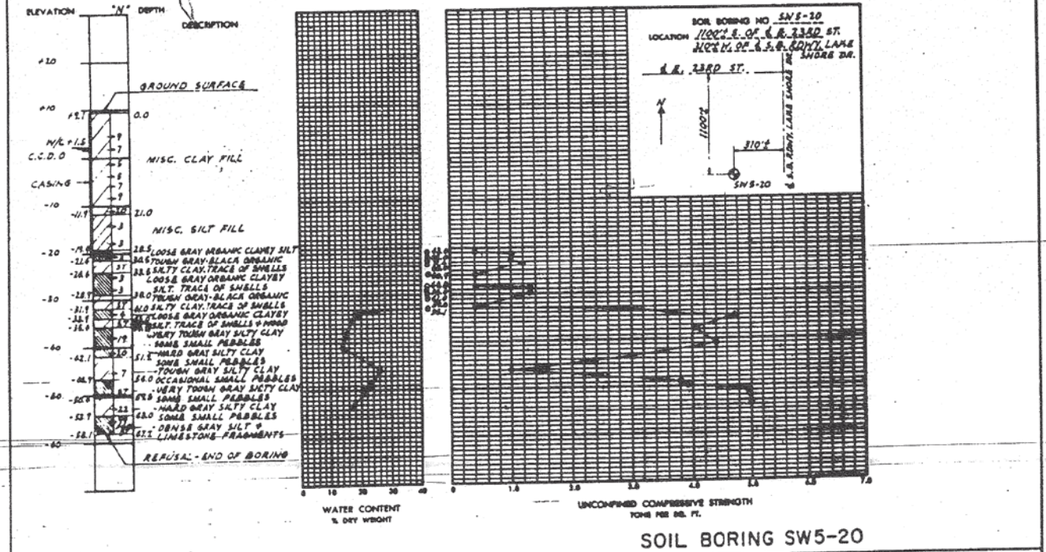
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	396
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

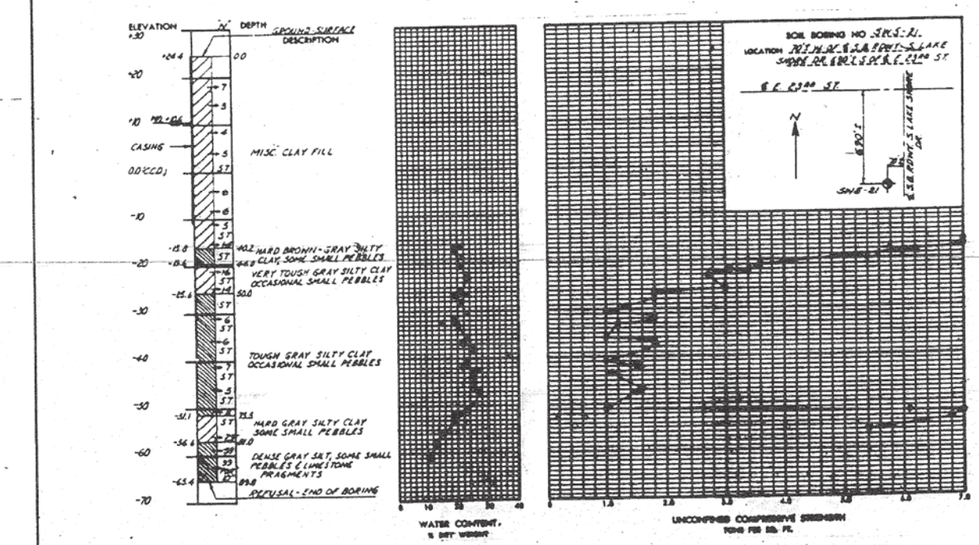
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818.3-2H	COOK	99	21
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-IG-55-7(39)-259		



SOIL BORING SW5-18



SOIL BORING SW5-20



SOIL BORING SW5-21

For Soil Boring Location See Sheet S-1

REMARKS

"N" NUMBER OF BLOWS OF 140# WT. FALLING 30" TO PENETRATE 12"
● TEST VALVE
● ESTIMATED VALUE
WL WATER LEVEL - 24HR. PERIOD
— SPLIT SPOON SAMPLE
ST SHELBY TUBE SAMPLE

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE
SECTION SW-1818.3-2H

SOIL BORINGS

SCALE: AS NOTED DEC. 1964
SHEET NO. G-21 OF 99 SHEETS

206-60X07.As-Builts.dgn

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

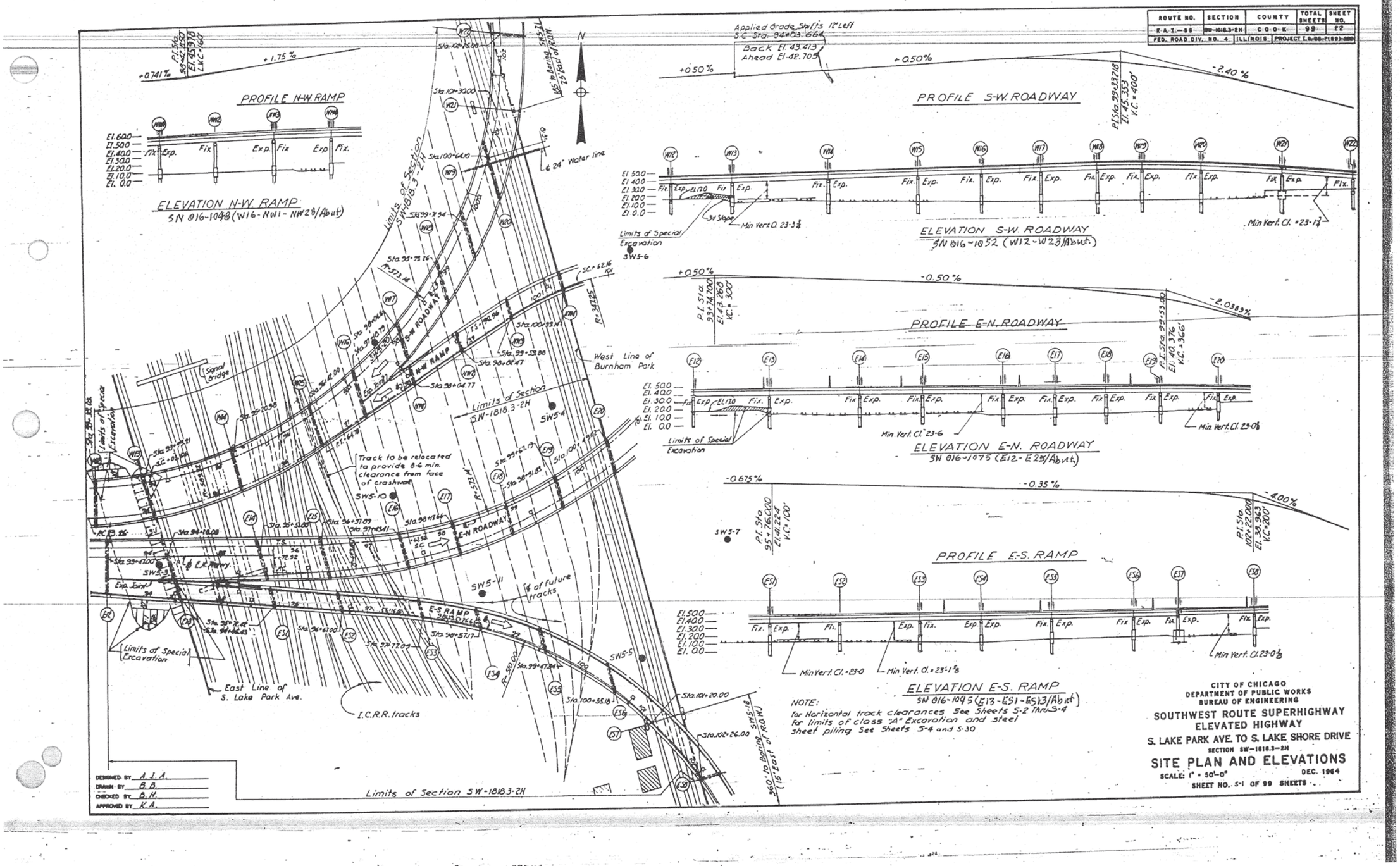
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 48 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	397
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-88	98-1818.3-2H	C O O K	99	22
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-6-88-7(881)-888		



NOTE:
For Horizontal track clearances See Sheets S-2 Thru S-4
For limits of class "A" Excavation and steel sheet piling See Sheets S-4 and S-30

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE
SECTION SW-1818.3-2H

SITE PLAN AND ELEVATIONS

SCALE: 1" = 50'-0" DEC. 1964
SHEET NO. S-1 OF 99 SHEETS

207-60X07_As-Builts.dgn

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

AECOM

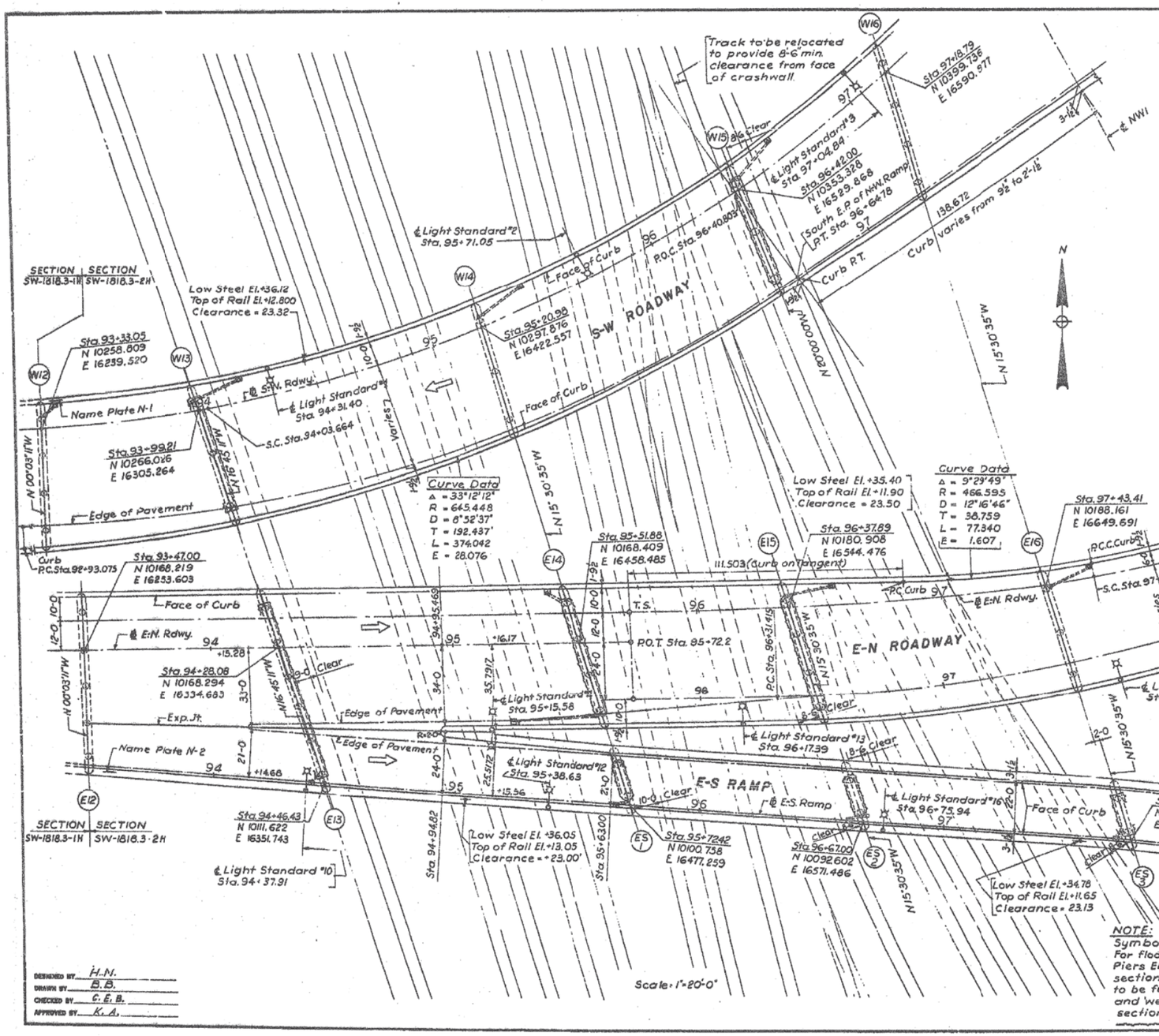
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 49 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	398
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818.3-2H	COOK	99	23
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I.G.-55-7(339)-289		



DESIGNED BY H.N.
DRAWN BY B.B.
CHECKED BY C.E.B.
APPROVED BY K.A.

GENERAL NOTES

DESIGN SPECIFICATIONS:
AASHO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 8TH EDITION, DATED 1961, AND AASHO 1965 INTERIM SPECIFICATIONS, AND THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY STANDARD SPECIFICATIONS FOR WELDED HIGHWAY AND RAILWAY BRIDGES.

DESIGN LOADING:
AASHO H20-S16-44 AND ALTERNATE LIVE LOAD AS DEFINED IN S :TION 4 (C) OF THE BUREAU OF PUBLIC ROADS POLICY AND PROCEDURE EMORANDUM 20-4, DATED AUGUST 6, 1956.
DEFLECTION DUE TO LIVE LOAD PLUS IMPACT SHALL NOT EXCE ED 1/1200 OF THE SPAN.

FOUNDATIONS:
LATERAL SOIL PRESSURE - 40P.C.F. EQUIVALENT FLUID PRESSURE, DRILLED IN SUB-PIERS ON BEDROCK - BEARING 60 TONS PER S.F. MIN.

CONSTRUCTION SPECIFICATIONS:
STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, STATE OF ILLINOIS, DEPARTMENT OF PUBLIC WORKS AND BUILDINGS, DIVISION OF HIGHWAYS, DATED JANUARY 2, 1958, AND SUPPLEMENTAL SPECIFICATIONS EFFECTIVE APRIL 2, 1962.

CONCRETE:

	f'c = 3,500 P.S.I.	ULTIMATE STRENGTH IN 14 DAYS
	fc = 1,400 P.S.I.	CONCRETE WITHOUT EARTH PRESSURE
DESI..N STRESSES	fc = 1,000 P.S.I.	CONCRETE WITH EARTH PRESSURE
	n = 10	

ALL CONCRETE SHALL BE CLASS "X";

THE CONCRETE BRIDGE DECK SHALL BE FINISHED BY THE USE OF A FINISHING MACHINE.

THE CONCRETE FLOOR SLABS SHALL BE POURED IN ONE CONTINUOUS OPERATION FROM END TO END OF INDIVIDUAL UNITS.

LOCATION OF LONGITUDINAL CONSTRUCTION JOINTS, IF REQUESTED BY THE CONTRACTOR, SHALL BE APPROVED BY THE ENGINEER.

EXPOSED SURFACES ARE TO BE RUBBED IN ACCORDANCE WITH ARTICLE 52.13 OF THE STANDARD SPECIFICATIONS.

REINFORCEMENT:
BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT, A.S.T.M. DESIGNATION A15, OF INTERMEDIATE GRADE, OR AXLE STEEL BARS FOR CONCRETE REINFORCEMENT, A.S.T.M. DESIGNATION A160, OF INTERMEDIATE GRADE, SHALL BE USED.

ALLOWABLE TENSILE UNIT STRESS - fs = 20,000 P.S.I.

BAR BENDING, PLACING, CLEARANCES, ETC., UNLESS OTHERWISE SHOWN, SHALL BE IN ACCORDANCE WITH SECTION 59 OF THE STANDARD SPECIFICATIONS. ALL BARS SHALL BE LAPPED NOT LESS THAN 20 DIAMETERS AT SPLICES, UNLESS OTHERWISE SHOWN.

STRUCTURAL STEEL:
ALL STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. DESIGNATION A-36. FOR DETAIL NOTES REFER TO "STRUCTURAL STEEL NOTES", SHEET S-34.

UTILITY LINES:
ALL EXPENSE INVOLVED IN RELOCATING OR INSTALLING THE AFFECTED UTILITY LINES SHALL BE BORNE BY THE OWNERS. THE CONTRACTOR AND OWNER(S) ARE REQUESTED TO COOPERATE BY ARRANGING THEIR WORK IN SUCH A MANNER THAT INCONVENIENCE TO EITHER WILL BE HELD TO A MINIMUM.

NOTE:
Symbol ⊠ indicates floor drains.
For floor drain details see G-Drwgs.
Piers E12 & W12 are included in this section. Expansion devices complete to be furnished under this section and west half to be installed under section SW-1818.3-1H
——— indicates permanent steel sheet piling MAY 16 min.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE

SECTION SW-1818.3-2H

KEY PLAN I

SCALE: AS NOTED DEC. 1964
SHEET NO. S-2 OF 99 SHEETS

208-60X07.As-Builts.dgn

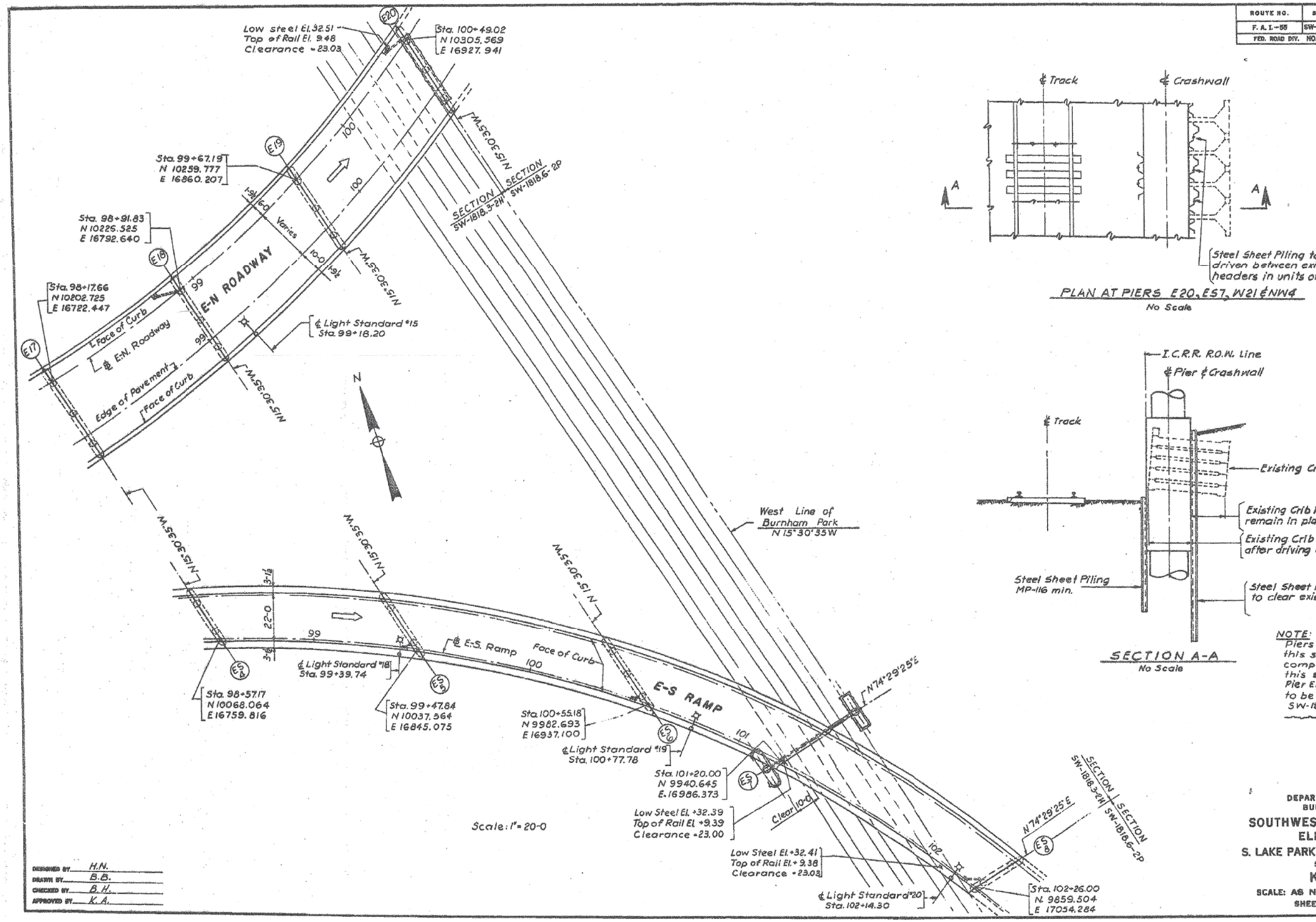
AECOM	USER NAME = auyeungh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED -	REVISED -	
	PLOT SCALE =	DRAWN - HAY	REVISED -	
	PLOT DATE = 5/22/2015	CHECKED - ATB	REVISED -	

AS-BUILTS
I-55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 50 OF 173 SHEETS

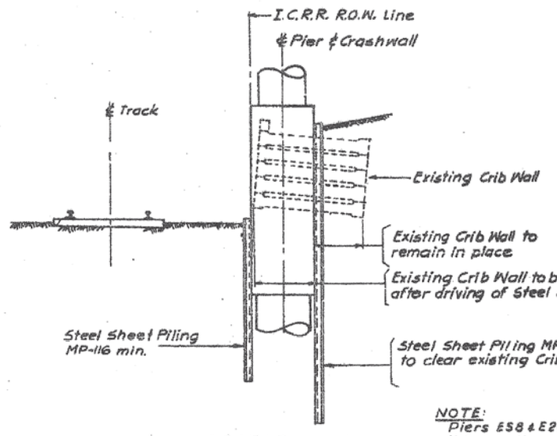
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	399
		CONTRACT NO. 60X07		
	ILLINOIS FED. AID PROJECT			

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.–55	SW–1818.3–2H	COOK	99	25
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I.G.–55–7(59)–286		



PLAN AT PIERS E20, E57, W21 ℄ NW4
No Scale



SECTION A-A
No Scale

NOTE:
Piers E58 & E20 are included in this section. Expansion devices complete to be furnished under this section and east half at Pier E20 and south half at Pier E58 to be installed under section SW-1818.6-2P
~~~ indicates permanent steel sheet piling MP-116 min.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE

SECTION SW–1818.3–2H

KEY PLAN 3

SCALE: AS NOTED DEC. 1964

SHEET NO. 5-4 OF 99 SHEETS

209-60X07_As-Builts.dgn

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

AECOM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILTS
I–55 & LAKE SHORE DRIVE INTERCHANGE (INBOUND STRUCTURES)
SHEET NO. 51 OF 173 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2013-049B	COOK	888	400
		CONTRACT NO. 60X07		
	ILLINOIS	FED. AID PROJECT		
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