

06-17-2022 LETTING ITEM 220

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-081	COOK	260	1
ILLINOIS			CONTRACT NO. 60T46	

\*249 + 11 = 260 TOTAL SHEETS  
D-91-152-12

FOR SIGNATURE SHEET, SEE SHEET NO. 2  
FOR INDEX OF SHEETS AND LIST OF  
HIGHWAY STANDARDS, SEE SHEET NO. 3

# PROPOSED HIGHWAY PLANS

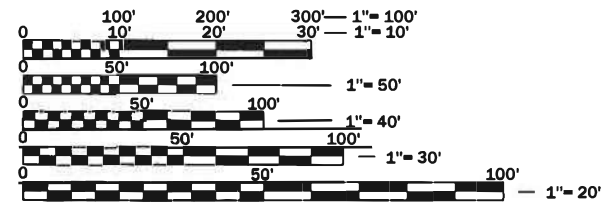
F.A.I. ROUTE 90/94 (1-90/94)  
(KENNEDY EXPRESSWAY)  
SECTION: 2012-0081  
PROJECT: NHPP-L3MU(512)  
REVLAC REHABILITATION  
COOK COUNTY

C-91-152-12



END IMPROVEMENTS I-94  
STA 465+00

END IMPROVEMENTS I-90  
LAWRENCE AVENUE



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD  
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT  
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS  
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

ELECTRICAL MAINTENANCE CONTRACTOR (EMC)  
MEADE ELECTRIC - TED TROYNER  
1-708-588-2544

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123 OR 811

C.U.A.N.  
CHICAGO UTILITY ALERT NETWORK  
1-312-744-7008



TOWNSHIP: CHICAGO

BEGIN IMPROVEMENTS I-90/94  
W. LAKE ST

GROSS LENGTH = 51,600 FT. = 9.773 MILE  
NET LENGTH = 28,800 FT. = 5.455 MILE

# JACOBS

PROJECT ENGINEER: ROLAND TOMSONS  
PROJECT MANAGER: LISA HEAVEN-BAUM

CONTRACT NO. 60T46

FUNCTIONAL CLASSIFICATION  
INTERSTATE (URBAN)  
2013 ADT = 280,000

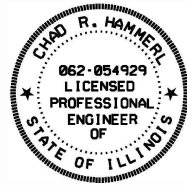
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Feb 4 2022  
*[Signature]*  
REGIONAL ENGINEER

March 25 2022  
*[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

March 2 2022  
*[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

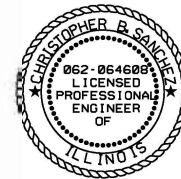
PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS



JACOBS

*Chad R. Hammerl* 02-02-2022  
DATE

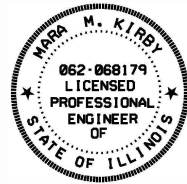
CHAD R. HAMMERL  
ILLINOIS REGISTRATION NO: 062-054929  
EXP DATE: 11/30/2023  
APPLY TO SHEETS: 3-18, 29, 41-44, 81-131



KNIGHT ENGINEERS & ARCHITECTS

*Christopher B. Sanchez* 1-31-2022  
DATE

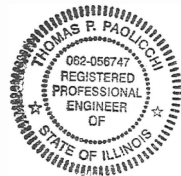
CHRISTOPHER B. SANCHEZ  
ILLINOIS REGISTRATION NO: 062-062738  
EXP DATE: 11/30/2023  
APPLY TO SHEETS: 75-80, 132-195



JACOBS

*Mara Kirby* 1/31/2022  
DATE

MARA M. KIRBY  
ILLINOIS REGISTRATION NO: 062-068179  
EXP DATE: 11/30/2023  
APPLY TO SHEETS: 68-74



ABNA ENGINEERING INC.

*Thomas P. Paolicchi* 01/31/2022  
DATE

THOMAS P. PAOLICCHI  
ILLINOIS REGISTRATION NO: 062-056747  
EXP DATE: 11/30/2023  
APPLY TO SHEETS: 19-28



JACOBS

*Paul M. Langenfeld* 01-31-2022  
DATE

PAUL M. LANGENFELD  
ILLINOIS REGISTRATION NO: 062-054763  
EXP DATE: 11/30/2023  
APPLY TO SHEETS: 45-53



STRUCTURE DESIGNS INC.

*Olufemi A. Oladeinde* 02-01-2022  
DATE

OLUFEMI A. OLADEINDE  
ILLINOIS REGISTRATION NO: 062-053701  
EXP DATE: 11/30/2023  
APPLY TO SHEETS: 30-35



JACOBS

*Richard B. Kurzawa* 1/28/2022  
DATE

RICHARD B. KURZAWA  
ILLINOIS REGISTRATION NO: 062-062784  
EXP DATE: 11/30/2023  
APPLY TO SHEETS: 54-58



JACOBS

*Matz David Jungmann* DATE

MATZ DAVID JUNGSMANN  
ILLINOIS REGISTRATION NO: 081.007376  
EXP DATE: 11/30/2022  
APPLY TO SHEETS: 36

JACOBS  
525 W MONROE SUITE 1600  
CHICAGO, IL 60661  
(312) 251-3000

JACOBS  
501 N BROADWAY  
ST. LOUIS, MO 63102  
(314) 335-4000

KNIGHT ENGINEERS & ARCHITECTS  
221 N LA SALLE ST. SUITE 300  
CHICAGO, IL 60661  
(312) 577-3300

ABNA ENGINEERING INC  
9901 S WESTERN AVE SUITE 1  
CHICAGO, IL 60643  
(773) 881-4788

STRUCTURE DESIGNS INC.  
309 W WASHINGTON ST. SUITE 325  
CHICAGO, IL 60606  
(312) 551-9780

SINGH & ASSOCIATES, INC.  
230 W MONROE ST SUITE 1400  
CHICAGO, IL 60606  
(312) 629-0240

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USER NAME = korabmp	DESIGNED - MMK	REVISED -
PLOT SCALE = 2.00' / in.	DRAWN - MMK	REVISED -
PLOT DATE = 2/18/2022	CHECKED - CRH	REVISED -
	DATE - 5/10/2022	REVISED -

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**IDOT HIGHWAY STANDARDS:**

606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
642001-03	SHOULDER RUMBLE STRIPS, 16 in.
643001-02	SAND MODULE IMPACT ATTENUATORS
701001-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701106-05	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
782006-01	GUARDRAIL & BARRIER WALL REFLECTOR MOUNTING DETAILS

**DISTRICT 1 STANDARDS:**

BE-702	MISCELLANEOUS ELECTRICAL DETAILS, SHEET A - (CABLE SPLICE, POLE WIRING, TRENCH DETAIL)
BE-705	COMMUNICATIONS VAULT, COMPOSITE CONCRETE
BE-1000	CCTV CAMERA STRUCTURE 50' (15.24m) MOUNTING HEIGHT
BE-1001	CCTV CAMERA STRUCTURE FOUNDATION 50' (15.24m) MOUNTING HEIGHT
BE-1002	CCTV CAMERA STRUCTURE 80' MOUNTING HEIGHT
BE-1003	CCTV CAMERA STRUCTURE 80' MOUNTING HEIGHT, FOUNDATION
TC-17	TRAFFIC CONTROL DETAILS FOR SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
TC-18	FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
TS-03	HANDHOLE TO INTERCEPT EXISTING CONDUIT

**GENERAL NOTES:**

- SEVENTY-TWO (72) HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT 1-800-892-0123 AND DIGGER (CHICAGO UTILITY ALERT NETWORK) AT (312) 744-7000 TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED IN THE FIELD.
- A MINIMUM OF SEVENTY-TWO HOURS PRIOR TO ANY PLACEMENT OR RELOCATION OF MAINTENANCE OF TRAFFIC DEVICES, CONTACT ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) DISTRICT 1 BUREAU OF TRAFFIC.
- THE CONTRACTOR IS REQUIRED TO SUBMIT NOTIFICATION TO THE ENGINEER APPROVAL A MINIMUM OF 15 DAYS PRIOR TO EACH EXTENDED LANE CLOSURE FOR INSTALLING SWING GATES, BARRIER AND NEW PLC EQUIPMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO PERFORM WORK.
- EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND THE SUE SURVEYS. ALL UNDERGROUND UTILITIES MUST BE CONSIDERED APPROXIMATE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN IN THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL COORDINATE WORK WITH UTILITIES IN ADVANCE OF WORKING IN THE VICINITY OF THEIR FACILITIES, AND ALLOW SUFFICIENT TIME FOR THEM TO PERFORM ADJUSTMENTS TO THEIR FACILITIES IN ACCORDANCE WITH THE CONTRACTOR'S SCHEDULE. COORDINATION EFFORTS SHALL BE INCLUDED IN THE COST OF THE CONTRACT BID PRICE.
- THE CONTRACTOR MUST CALL THE IDOT ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT FACILITY CABLES.

**GENERAL NOTES (CONTINUED):**

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY ANY EXISTING CONDUIT, MANHOLE, HANDHOLE, VAULT, OBSTRUCTIONS PROHIBITING THE INSTALLATION OF PROPOSED CABLING DURING INITIAL STAGES OF WORK EFFORT TO ALLOW CONDUIT REPAIRS TO BE MADE WITHIN THE ALLOCATED WORKING DAYS ESTABLISHED UNDER 108.05 OF THE PROJECT SPECIFICATIONS. NO ADDITIONAL WORKING DAYS WILL BE ALLOCATED FOR CONDUIT, MANHOLE, HANDHOLE OF VAULT OBSTRUCTIONS. PENALTIES ASSOCIATED WITH FAILURE TO COMPLETE WORK ON TIME WILL BE ADDED FOR ANY DELAYS BEYOND THE PROJECT COMPLETION DATE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- ALL ELEVATIONS REFER TO USGS MEAN SEA LEVEL DATUM.
- 10 FT TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
- THE COST OF FULL OR PARTIAL DEPTH SAW CUTS REQUIRED FOR REMOVAL ITEMS SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR THE ITEM.
- WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC, AIR TRAFFIC AND ADJOINING COMMERCIAL AREAS.
- BARRICADES: TYPE I, TYPE II, AND TYPE III BARRICADES SHALL BE WEIGHTED IN A MANNER APPROVED BY THE MANUFACTURER SO THEY ARE NOT MOVED BY TRAFFIC.
- TEMPORARY PAVEMENT MARKING SHALL CONSIST OF EPOXY OR POLYUREA PAVEMENT MARKING, AT THE OPTION OF THE CONTRACTOR. EPOXY OR POLYUREA PAVEMENT MARKING MATERIALS SHALL BE ACCORDING TO ARTICLES 1095.04 AND 1095.08 RESPECTIVELY OF THE STANDARD SPECIFICATIONS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO ORDERING OF MATERIAL, CONSTRUCTION OR FABRICATION, AND INSTALLATION OF EQUIPMENT. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED FOR THE ITEMS PAID ON A CONTRACT UNIT PRICE BASIS.
- ALIGNMENT SHOWN IS FOR PLAN SHEET REFERENCE PURPOSES ONLY.
- UNLESS OTHERWISE NOTED, ALL ITEMS SHALL BE CONSIDERED NEW AND INSTALLED AS SHOWN ON THE DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
- ELECTRICAL DEVICES AND EQUIPMENT ARE SHOWN SYMBOLICALLY ON THE PLANS. THE USE OF SYMBOLS AND NOTATIONS (OR THE OMISSION THEREOF) DOES NOT RELIEVE THE CONTRACTOR FROM FURNISHING A SAFE, COMPLETE AND FULLY FUNCTIONAL SYSTEM.
- ELECTRICAL WORK SHALL CONFORM TO NEC, U.L., IEEE, NEMA AND AASHTO CODES, STANDARDS AND PRACTICES.
- WHEN THE TERMS "PROVIDE" OR "PROVISION OF" ARE USED IN THE CONTRACT DOCUMENTS, THEY SHALL BE UNDERSTOOD TO MEAN "FURNISH AND INSTALL, COMPLETE, INCLUDING ANY REQUIRED ELECTRICAL WIRING AND TESTING".
- ALL SUBMITTALS AND WORK SHALL BE REVIEWED AND APPROVED BY THE ENGINEER. REVIEW AND APPROVAL INCLUDES ALL SYSTEMS INTEGRATION, SHOP AND FIELD TESTING, PLC AND COMMUNICATION SYSTEMS, CCTV, SWING GATES, RESISTANCE BARRIERS AND ALL MISC. HARDWARE ASSOCIATED WITH BUILDING REPAIRS.
- THE RESTORATION OF THE DISTURBED AREA OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER AND APPROPRIATE GOVERNING AGENCIES BEFORE FINAL PAYMENTS MADE TO THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE OVERALL PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR IS REQUIRED TO COORDINATE THE CONSTRUCTION OPERATIONS WITH CONTRACT 62K73 (I-90/94 INBOUND AND REVERSIBLE BRIDGE OVERLAY), OTHER CONSTRUCTION AND MAINTENANCE OPERATIONS, INCLUDING UTILITY RELOCATIONS AND ADJUSTMENTS OF OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF THE PROJECT AND ADJACENT TO THE PROJECT. CONTRACTOR IS TO COORDINATE WITH SITE SUPERVISOR AND OPERATIONS SHALL TAKE PRECEDENCE OVER CONTRACTOR'S WORK.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE DISTURBED, THE CONTRACTOR PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS. THE ENGINEER OR AN AUTHORIZED SURVEYOR OR AGENT WILL WITNESS OR OTHERWISE REFERENCE AND RESET THOSE MONUMENTS AS NECESSARY.
- COMMON I-90/94 STATIONING SHOWN ON PLANS USED FOR REFERENCE ONLY TO COORDINATE OTHER CONTRACTORS AND TO ESTABLISH GENERAL LOCATION OF ITS DEVICES. LOCATION OF ALL ITS DEVICES MUST BE APPROVED BY THE ENGINEER TO MAINTAIN ROADSIDE CLEARANCES AND UTILITY AVOIDANCE.
- CABLE REMOVAL AND INSTALLATION. CONDUITS WERE FIELD INSPECTED DURING DESIGN PHASE. THE TYPICAL CONDUIT CROSS SECTION INCLUDES THREE (3) 4" CONDUITS.
  - HEATER/POWER CONDUIT IS EMPTY AND CAN BE UTILIZED FOR PROPOSED 120V POWER CONTROL.
  - 480V GATE/BARRIER POWER CABLES ARE INTENDED TO REMAIN AND BE REUSED.
  - CONTROL CONDUIT CABLES POWER CONDUIT CABLES ARE TO BE REMOVED AND CONDUIT TO BE REUSED FOR FIBER. CONTRACTOR SHALL NOT REMOVE ACTIVE CABLES UNTIL REVLAC SYSTEM HAS BEEN DEACTIVATED. CABLES CAN BE REMOVED SHORTLY AFTER SYSTEM DEACTIVATION TO IDENTIFY ANY DAMAGED CONDUITS. IF CABLES ARE NOT ABLE TO BE REMOVED USING INDUSTRY TECHNIQUES THE BARRIER WALL REPAIR WILL BE PAID UNDER CONCRETE REMOVAL (SPECIAL), CONCRETE STRUCTURES (SPECIAL), TIE BARS. CONDUITS WILL BE PAID UNDER THE ITEM OF THE CONDUIT(S) TO BE REPAIRED.

**ABBREVIATIONS / ACRONYMS**

A	AMPERE
ABBR	ABBREVIATIONS
AC	ALTERNATING CURRENT
AMP	AMPERE
AR	AS REQUIRED
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
AVE	AVENUE
BL	BLACK
BLDG	BUILDING
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CPU	CONTROL PROCESSING UNIT
CR	CONTROL RELAY
DC	DIRECT CURRENT
DI	DIGITAL INPUT
DMS	DYNAMIC MESSAGE SIGN
DO	DIGITAL OUTPUT
DVD	DIGITAL VIDEO DRIVE
DWG	DRAWING
F	FUSE
G	GREEN
GND	GROUND
GUI	GRAPHIC USER INTERFACE
H	HOT
HMI	HUMAN MACHINE INTERFACE
HZ	HERTZ
IN	INPUT
I/O	INPUTS/OUTPUTS
IDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION
LAN	LOCAL AREA NETWORK
LOC	LOCAL
MBYTES	MEGABYTES
MM	MULTI MODE
N	NEUTRAL
NTS	NOT TO SCALE
OL	OVERLOAD
OUT	OUTPUT
PB	PUSH BUTTON
PC	PLC CABINET
PL	PILOT LIGHT
PLC	PROGRAMMABLE LOGIC CONTROLLER
REM	REMOTE
REVLAC	REVERSIBLE LANE ACCESS CONTROL SYSTEM
RIO	REMOTE INPUT OUTPUT
SHT	SHEET
S/S	SELECTOR SWITCH
SM	SINGLE MODE
SUP	SUPPLY
TB	TERMINAL BLOCK
TERM	TERMINAL
TYP	TYPICAL
V	VOLTS
VAC	VOLTS ALTERNATING CURRENT
VDC	VOLTS DIRECT CURRENT
VDT	VIDEO DISPLAY TERMINAL
WH	WHITE

ADDITIONAL MECHANICAL ABBREVIATIONS/ ACRONYMS ON PAGE 61

**LEGEND**

DEMO	----
NEW	_____
EXISTING	_____

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 525 W. Monroe, Suite 1600, Chicago, IL 60661	USER NAME = HANNARS	DESIGNED - RAS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, STANDARDS AND GENERAL NOTES AND GENERAL NOTES</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 2.00' / in.	CHECKED - CRH	REVISED -						90/94	2012-008I	COOK	249	3
	PLOT DATE = 5/10/2022	DATE - 1/27/2022	REVISED -		CONTRACT NO. 60746								
					SCALE: NTS	SHEET 1	OF 1	SHEETS	STA. N/A	TO STA. N/A	ILLINOIS	FED. AID PROJECT	

GEN-02

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED	10% STATE		
				REVLAC			
				044			
				URBAN			
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	30	30			
20200100	EARTH EXCAVATION	CU YD	603.7	603.7			
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	211	211			
20400800	FURNISHED EXCAVATION	CU YD	193	193			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	167	167			
25000210	SEEDING, CLASS 2A	ACRE	0.08	0.08			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	8.8	8.8			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	8.8	8.8			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	8	8			
25100115	MULCH, METHOD 2	ACRE	0.03	0.03			
25100630	EROSION CONTROL BLANKET	SQ YD	416	416			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	3.44	3.44			
28000400	PERIMETER EROSION BARRIER	FOOT	549	549			
28000510	INLET FILTERS	EACH	1	1			

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525 W. Monroe, Suite 1600, Chicago, IL 60661

USER NAME = HANNARS	DESIGNED - MMK	REVISED -
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PLOT SCALE = 2.0000' / in.	CHECKED - CRH	REVISED -
PLOT DATE = 5/10/2022	DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**


SCALE: NTS    SHEET 1 OF 13 SHEETS    STA. N/A    TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	249	4
CONTRACT NO.			60T46	
ILLINOIS		FED. AID PROJECT		

SOQ-01

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED	10% STATE		
				REVLAC			
				044			
				URBAN			
* 28100107	STONE RIPRAP, CLASS A4	SQ YD	36	36			
* 31102100	SUBBASE GRANULAR MATERIAL, TYPE C 4"	SQ YD	998	998			
* 35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	1015	1015			
* 42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	998	998			
* 42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	210	210			
* 44000600	SIDEWALK REMOVAL	SQ FT	210	210			
* 44213202	TIE BARS 1"	EACH	24	24			
* 50300225	CONCRETE STRUCTURES	CUYD	28.8	28.8			
* 50300300	PROTECTIVE COAT	SQ YD	2833	2833			
* 50606701	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 1	L SUM	1	1			
* 50800105	REINFORCEMENT BARS	POUND	3800	3800			
* 550A0040	STORM SEWERS, CLASS A, TYPE 1 10"	FOOT	18	18			
* 55100500	STORM SEWER REMOVAL 12"	FOOT	31	31			
* 58700300	CONCRETE SEALER	SQ FT	20	20			

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 525 W. Monroe, Suite 1600, Chicago, IL 60661	USER NAME = HANNARS	DESIGNED - MMK	REVISED -
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	PLOT DATE = 5/10/2022	DATE - 1/27/2022	REVISED -

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

SUMMARY OF QUANTITIES			
SCALE: NTS	SHEET 2	OF 13 SHEETS	STA. N/A TO STA. N/A

SOQ-02		TOTAL SHEETS		SHEET NO.	
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
90/94	2012-0081	COOK	249	5	
			CONTRACT NO. 60T46		
ILLINOIS		FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED	10% STATE		
				REVLAC			
				044			
				URBAN			
* 59000200	EPOXY CRACK INJECTION	FOOT	100	100			
* 60210500	CATCH BASINS, TYPE D, 3'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1			
* 60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	3	3			
* 60255410	CATCH BASINS TO BE CLEANED	EACH	3	3			
* 60608250	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.06	FOOT	376	376			
* 63200310	GUARDRAIL REMOVAL	FOOT	300	300			
* 63700280	CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT	FOOT	100	100			
* 64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	412	412			
* 64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2			
* 66400505	CHAIN LINK FENCE, 8'	FOOT	242	242			
* 66404800	CHAIN LINK GATES, 8' X 5' SINGLE	EACH	4	4			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	675	675			
66900530	SOIL DISPOSAL ANALYSIS	EACH	15	15			
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1			

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525 W. Monroe, Suite 1600, Chicago, IL 60661

USER NAME = HANNARS	DESIGNED - MMK	REVISED -
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PLOT SCALE = 2.0000' / in.	CHECKED - CRH	REVISED -
PLOT DATE = 5/10/2022	DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NTS    SHEET 3 OF 13 SHEETS    STA. N/A TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2017-08I	COOK	249	6
CONTRACT NO.			60T46	
ILLINOIS		FED. AID PROJECT		

SOQ-03

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED	10% STATE		
				REVLAC			
				044			
				URBAN			
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1			
* 66901006	REGULATED SUBSTANCES MONITORING	DAYS	20	20			
* 67100100	MOBILIZATION	L SUM	1	1			
* 70107025	CHANGEABLE MESSAGE SIGN	CAL DA	126	126			
* 70400100	TEMPORARY CONCRETE BARRIER	FOOT	5012.5	5012.5			
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	906	906			
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	6	6			
78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	401	401			
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1			
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	1			
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	4772	4772			
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	6084	6084			
81100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	1779	1779			
81300945	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 8"	EACH	23	23			

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PLOT DATE = 5/10/2022	DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**


SCALE: NTS    SHEET 4 OF 13 SHEETS    STA. N/A TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9094	2012-0081	COOK	249	7
CONTRACT NO.			60T46	
ILLINOIS		FED. AID PROJECT		

SOQ-04

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED	10% STATE		
				REVLAC			
				044			
				URBAN			
81400200	HEAVY-DUTY HANDHOLE	EACH	57	57			
81702100	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	46440	46440			
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	6470	6470			
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	35344	35344			
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	83998	83998			
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	62910	62910			
87900100	DRILL EXISTING FOUNDATION	EACH	16	16			
87900200	DRILL EXISTING HANDHOLE	EACH	1	1			
87900205	DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	9	9			
* 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	14	14			
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	43170	43170			
* 89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	948	948			
* Z0007601	BUILDING REMOVAL NO. 1	L SUM	1	1			
* Z0032400	JOINT REPAIR	EACH	3	3			

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	PLOT DATE = 5/10/2022	DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NTS    SHEET 5 OF 13 SHEETS    STA. N/A TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9094	2012-008I	COOK	259	8
CONTRACT NO.			60T46	
ILLINOIS		FED. AID PROJECT		

SOQ-05



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED	10% STATE		
				REVLAC			
				044			
				URBAN			
Z0032470	JOINT SEALER	FOOT	280	280			
* Z0065767	SLOTTED DRAIN 15" WITH 1 3/4" SLOT	FOOT	82	82			
Z0018911	DRILL AND GROUT #6 TIE BARS	EACH	36	36			
* X0320023	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	27	27			
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	2	2			
X0323524	REMOVE EXISTING SURVEILLANCE CAMERA EQUIPMENT	EACH	8	8			
X0323859	DOWNSPOUT CONNECTION	EACH	2	2			
X0323914	FIBER OPTIC CABLE SPLICE - LATERAL	EACH	12	12			
X0324597	CLOSED CIRCUIT TELEVISION CABINET	EACH	17	17			
X0325040	FIBER OPTIC INNERDUCT 1 1/4" DIA.	FOOT	8996	8996			
* X0326945	CLOSED CIRCUIT TELEVISION CAMERA EQUIPMENT	EACH	27	27			
* X0326948	CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE, 50 FT. MOUNTING HEIGHT	EACH	4	4			
X0326949	CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE FOUNDATION, 30" DIAMETER	FOOT	38	38			
X0327469	MASONRY FACE BRICK REPAIR	SQ FT	355	355			

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PLOT DATE = 5/10/2022	DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NTS    SHEET 6 OF 13 SHEETS    STA. N/A TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9094	2012-0081	COOK	259	9
CONTRACT NO.			60T46	
ILLINOIS		FED. AID PROJECT		

SOQ-06

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED	10% STATE		
				REVLAC			
				044			
				URBAN			
X0327470	MASONRY SEALER	SQ FT	355	355			
X0327561	BUDGETARY ALLOWANCE FOR CCTV INTEGRATION	L SUM	1	1			
* X0327601	CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE, FOUNDATION, 80 FT. MOUNTING HEIGHT	FOOT	143	143			
* X0327602	CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE, GALVANIZED STEEL, 80 FT. MOUNTING HEIGHT	EACH	11	11			
X0327682	CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT ENGINEERING SERVICES	L SUM	1	1			
X0327773	ACCESS DOOR	EACH	4	4			
X1400025	JUNCTION BOX COVER	EACH	301	301			
* X1400178	REPLACE EXISTING CCTV CAMERA LOWERING DEVICE	EACH	9	9			
X1400217	TERMINATE FIBER IN CABINET	EACH	1912	1912			
X1400290	BUDGETARY ALLOWANCE FOR UPGRADE OF PLC CONTROLS	L SUM	1	1			
X1700011	STAMPED COLORED PCC MEDIAN SURFACE 4 INCH	SQ FT	1770	1770			
* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	29620	29620			
* X5012502	CONCRETE REMOVAL (SPECIAL)	CU YD	17.9	17.9			
* X5030225	CONCRETE STRUCTURES (SPECIAL)	CU YD	17.9	17.9			

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PLOT DATE = 5/10/2022	DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NTS    SHEET 7 OF 13 SHEETS    STA. N/A    TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	259	10
CONTRACT NO.			60T46	
ILLINOIS		FED. AID PROJECT		

SOQ-07

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED	10% STATE		
				REVLAC			
				044			
				URBAN			
X6300155	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES (SPECIAL)	FOOT	300	300			
* X6640300	CHAIN LINK FENCE REMOVAL	FOOT	56	56			
* X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	28	28			
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1			
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	549	549			
X8010100	STORAGE OF ELECTRICAL MATERIALS	CAL DA	730	730			
X8130115	DRILL EXISTING JUNCTION BOX	EACH	1	1			
X8140115	HANDHOLE TO BE ADJUSTED	EACH	1	1			
X8710036	FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	161092	161092			
* X8710054	FIBER OPTIC TERMINATION PANEL, 12 F OR 24F	EACH	22	22			
* X1400460	LAYER III (NETWORK) SWITCH	EACH	22	22			
* X1400485	REMOVE AND REPLACE FIXED POSITION CCTV CAMERA FOR REVLAC	EACH	39	39			
* X2300024	SWING GATE REMOVAL	EACH	117	117			
* X2300048	RESTRAINING BARRIER REMOVAL	EACH	6	6			


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	PLOT SCALE = 2.0000' / in.	DRAWN - MMK	REVISED -		90/94	2012-0081	COOK	259	11					
	PLOT DATE = 5/10/2022	CHECKED - CRH	REVISED -		SCALE: NTS				SHEET 8 OF 13 SHEETS		STA. N/A TO STA. N/A		CONTRACT NO. 60T46	
		DATE - 1/27/2022	REVISED -		ILLINOIS FED. AID PROJECT									

SOQ-08

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED	10% STATE		
				REVLAC			
				044			
				URBAN			
* X2300025	SWING GATE, NEW	EACH	117	117			
* X2300027	SWING GATE ARM, 2'	EACH	1	1			
* X2300029	SWING GATE ARM, 4'	EACH	2	2			
* X2300030	SWING GATE ARM, 5'	EACH	7	7			
* X2300031	SWING GATE ARM, 6'	EACH	4	4			
* X2300052	SWING GATE ARM, 7'	EACH	2	2			
* X2300032	SWING GATE ARM, 8'	EACH	4	4			
* X2300033	SWING GATE ARM, 9'	EACH	5	5			
* X2300034	SWING GATE ARM, 10'	EACH	4	4			
* X2300035	SWING GATE ARM, 11'	EACH	3	3			
* X2300036	SWING GATE ARM, 12'	EACH	6	6			
* X2300037	SWING GATE ARM, 13'	EACH	6	6			
* X2300038	SWING GATE ARM, 14'	EACH	8	8			
* X2300039	SWING GATE ARM, 15'	EACH	3	3			

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 525 W. Monroe, Suite 1600, Chicago, IL 60661	USER NAME = HANNARS	DESIGNED - MMK	REVISED -
	PLOT SCALE = 2.0000' / in.	DRAWN - MMK	REVISED -
	PLOT DATE = 5/10/2022	CHECKED - CRH	REVISED -
		DATE - 1/27/2022	REVISED -

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

SUMMARY OF QUANTITIES			
SCALE: NTS	SHEET 9	OF 13 SHEETS	STA. N/A TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-008I	COOK	259	12
CONTRACT NO.			60T46	
ILLINOIS FED. AID PROJECT				

SOQ-09

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED	10% STATE		
				REVLAC			
				044			
				URBAN			
* X2300040	SWING GATE ARM, 16'	EACH	6	6			
* X2300041	SWING GATE ARM, 17'	EACH	15	15			
* X2300042	SWING GATE ARM, 18'	EACH	5	5			
* X2300043	SWING GATE ARM, 19'	EACH	1	1			
* X2300044	SWING GATE ARM, 20'	EACH	9	9			
* X2300045	SWING GATE ARM, 21'	EACH	8	8			
* X2300046	SWING GATE ARM, 22'	EACH	2	2			
* X2300047	SWING GATE ARM, 23'	EACH	16	16			
* X2300050	FLEXIBLE GATE TIPS	EACH	117	117			
* X2300053	RESTRAINING BARRIER FOUNDATION	EACH	12	12			
* X2300049	REPLACEMENT OF RESTRAINING BARRIER	EACH	6	6			
* X2600035	OPERATIONAL WARNING SIGN "GATES CLOSING"	EACH	6	6			
* X2600036	OPERATIONAL WARNING SIGN "STAY IN YOUR LANE"	EACH	6	6			
* X2600037	RAMP CLOSED SIGN "X"	EACH	6	6			

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PLOT DATE = 5/10/2022	CHECKED - CRH	REVISED -
	DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NTS    SHEET 10 OF 13 SHEETS    STA. N/A    TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-008I	COOK	259	13
CONTRACT NO.			60T46	
ILLINOIS		FED. AID PROJECT		

SOQ-10

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED	10% STATE		
				REVLAC			
				044			
				URBAN			
* X2600038	RAMP "OPEN/CLOSED" SIGN	EACH	6	6			
* X9600001	MECHANICAL HVAC WORK, BUILDING A	L SUM	1	1			
* X9600003	MECHANICAL HVAC WORK, BUILDING C	L SUM	1	1			
* X9600004	MECHANICAL HVAC WORK, BUILDING D	L SUM	1	1			
* X9600005	MECHANICAL HVAC WORK, BUILDING E	L SUM	1	1			
* X9600006	ELECTRICAL WORK, BUILDING A	L SUM	1	1			
* X9600008	ELECTRICAL WORK, BUILDING C	L SUM	1	1			
* X9600009	ELECTRICAL WORK, BUILDING D	L SUM	1	1			
* X9600010	ELECTRICAL WORK, BUILDING E	L SUM	1	1			
* X9600011	GENERATOR, BUILDING A	L SUM	1	1			
* X9600013	GENERATOR, BUILDING C	L SUM	1	1			
* X9600014	GENERATOR, BUILDING D	L SUM	1	1			
* X9600015	GENERATOR, BUILDING E	L SUM	1	1			
* X1400486	UNINTERRUPTIBLE POWER SUPPLY	EACH	4	4			

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NTS      SHEET 11 OF 13 SHEETS      STA.      TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-008I	COOK	259	14
CONTRACT NO.			60T46	
ILLINOIS		FED. AID PROJECT		

SOQ-11

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FED	10% STATE		
				REVLAC			
				044			
				URBAN			
* X9600017	REVLAC CONTROL SYSTEM HARDWARE AND SOFTWARE, BUILDING A	EACH	1	1			
* X9600019	REVLAC CONTROL SYSTEM HARDWARE AND SOFTWARE, BUILDING C	EACH	1	1			
* X9600020	REVLAC CONTROL SYSTEM HARDWARE AND SOFTWARE, BUILDING D	EACH	1	1			
* X9600021	REVLAC CONTROL SYSTEM HARDWARE AND SOFTWARE, BUILDING E	EACH	1	1			
* X9600016	REVLAC CONTROL SYSTEM HARDWARE AND SOFTWARE, HEADQUARTERS	EACH	1	1			
* X1400486	REVLAC CONTROL SYSTEM HARDWARE, REMOTE I/O CABINETS	EACH	154	154			
* X9600023	REVLAC COMMUNICATION AND NETWORK HARDWARE AND SOFTWARE, BUILDING A	EACH	1	1			
* X9600025	REVLAC COMMUNICATION AND NETWORK HARDWARE AND SOFTWARE, BUILDING C	EACH	1	1			
* X9600026	REVLAC COMMUNICATION AND NETWORK HARDWARE AND SOFTWARE, BUILDING D	EACH	1	1			
* X9600027	REVLAC COMMUNICATION AND NETWORK HARDWARE AND SOFTWARE, BUILDING E	EACH	1	1			
* X9600022	REVLAC COMMUNICATION AND NETWORK HARDWARE AND SOFTWARE, HEADQUARTERS	EACH	1	1			
* X9600051	REVLAC CONTROL AND COMMUNICATION SPARE PARTS	L SUM	1	1			
* X9600029	REVLAC CONTROL AND COMMUNICATION SYSTEMS INSTALL, BUILDING A	EACH	1	1			
* X9600031	REVLAC CONTROL AND COMMUNICATION SYSTEMS INSTALL, BUILDING C	EACH	1	1			

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PLOT DATE = 5/10/2022	DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NTS      SHEET 12 OF 13 SHEETS      STA.      TO STA.

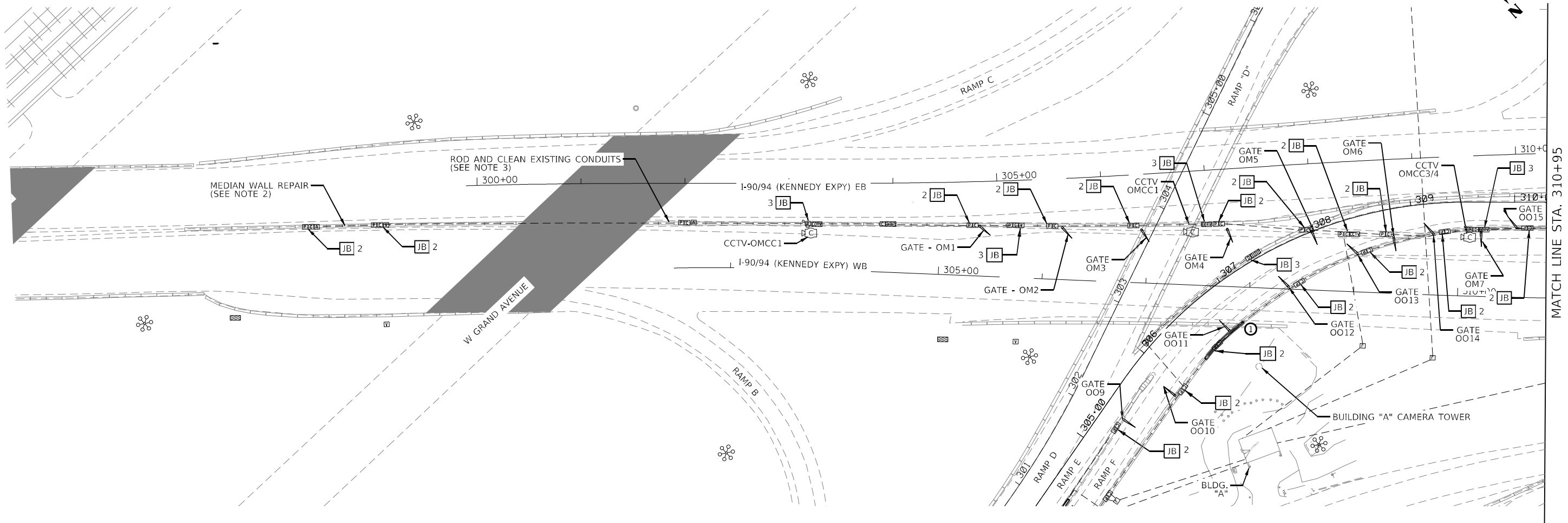
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9094	2012-0081	COOK	259	15
CONTRACT NO.			60T46	
ILLINOIS		FED. AID PROJECT		

SOQ-12









MATCH LINE STA. 310+95

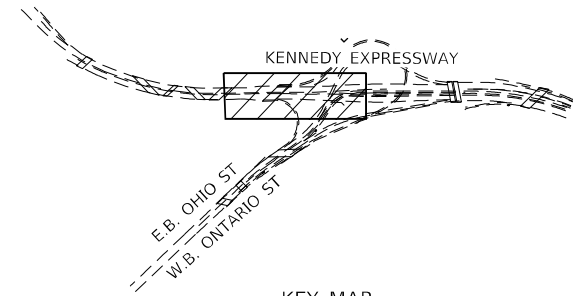
**NOTES**

- PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- EXISTING BARRIER WALL REPAIR: THE CONTRACTOR SHALL SAWCUT THE EXISTING BARRIER WALL TO REMOVE THE DAMAGED PORTION OF THE WALL (APPROXIMATELY 10' IN LENGTH). NEW CONDUIT AND CABLING SHALL BE INSTALLED AND CONNECTED WITH THE EXISTING CONDUIT AND CABLING ON EACH END OF THE CUT WALL LOCATIONS (THIS WORK WILL BE CONSIDERED INCIDENTAL TO PAY ITEMS INCLUDED BELOW. THE CONCRETE BARRIER WALL REPAIR WORK SHALL BE PAID FOR AS:
  - (60102400) CONCRETE REMOVAL, 8.9 CU YD, AND
  - (50300225) CONCRETE STRUCTURES, 8.9 CU YD, AND
  - (44213202) TIE BARS 1", 12 EACH.
 REFERENCE IDOT STANDARD 637006 FOR ADDITIONAL INFORMATION
- ROD AND CLEAN REVLAC CONDUITS TO BE REUSED FOR NEW CABLING. SEE SPECIAL PROVISIONS.
  - I-90/94 (1200' X 2) AND
  - OHIO FEEDER RAMP (600' X 2).
- MEDIAN WALL REPAIRED TO REPAIR DAMAGED CONDUITS OR WALL OBSERVED IN THE FIELD AND DIRECTED BY THE ENGINEER WILL BE PAID FOR AT THE UNIT COST FOR CONCRETE REMOVAL, (SPECIAL), CONCRETE STRUCTURES, (SPECIAL), AND TIE BARS 1", CONDUITS AND CABLING NOT DAMAGED DURING CONCRETE REPAIR WILL BE PAID FOR SEPARATELY.

50300300 - PROTECTIVE COAT

ID	ALIGNMENT	BEGIN STATION	END STATION	OFFSET	QTY. (SQ YD)
1	RAMP F TO EB I-90/94	306+38	306+95	RT	38

- LEGEND**
- ID (X) [Symbol] X1700011 - STAMPED COLORED PCC MEDIAN SURFACE 4 INCH
  - ID # [Symbol] 50300300 - PROTECTIVE COAT
  - [Symbol] JB # X1400025 - JUNCTION BOX COVER REPLACEMENT (# OF COVERS TO BE REPLACED)



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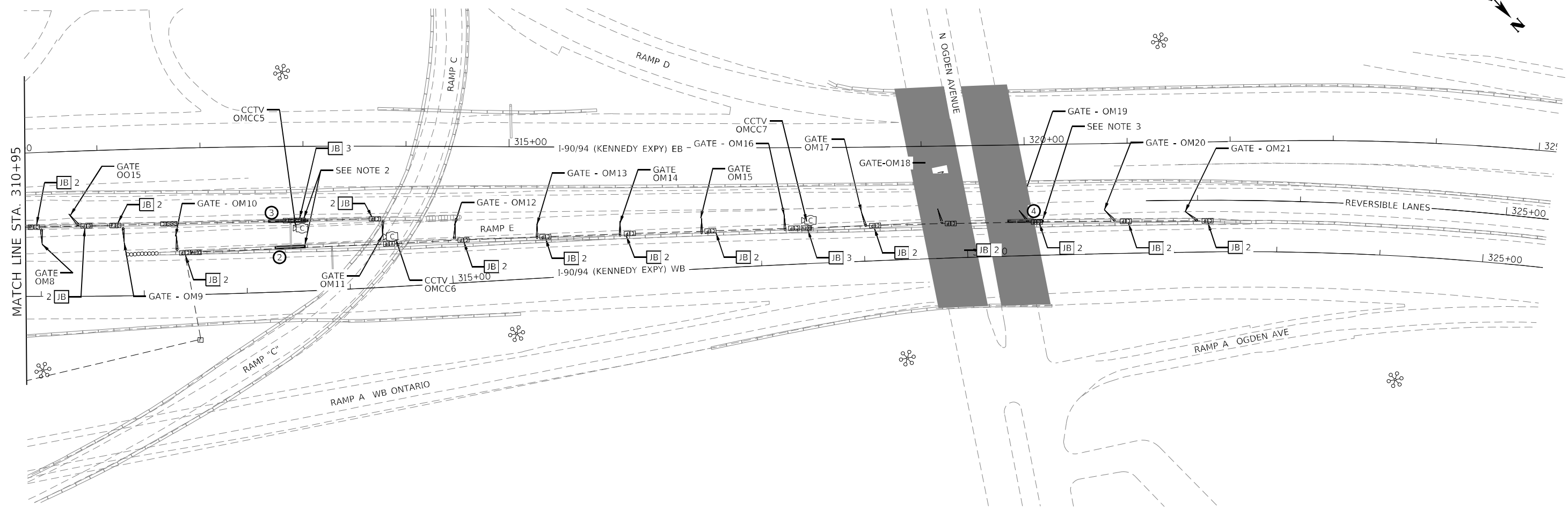
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEDIAN BARRIER REHABILITATION PLANS**

SCALE: 1"=50' SHEET 1 OF 11 SHEETS STA. 79+00 TO STA. 93+35

P.A.I. RTE. 90/94	SECTION 2012-0081	COUNTY COOK	TOTAL SHEETS 288	SHEET NO. 18
CONTRACT NO. 60T46			ILLINOIS FED. AID PROJECT	

BAR-01



**NOTES**

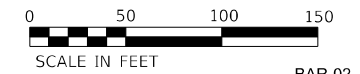
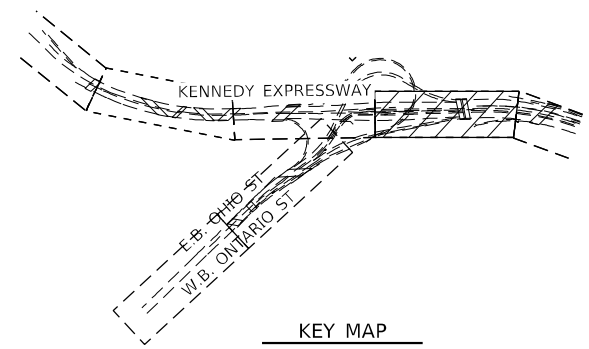
1. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
2. THE CONTRACTOR SHALL REMOVE THE EXISTING 25 FEET OF GUARDRAIL AND INSTALL NEW GUARDRAIL IN KIND, ALONG WITH TWO (2) ALTERNATE END SHOES, ATTACHED TO THE INSIDE FACE OF THE BARRIER WALL AT EACH RESTRAINING BARRIER. THIS WORK SHALL BE PAID FOR AS (63200310 GUARDRAIL REMOVAL, AND X6300155 STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES (SPECIAL)).
3. EXISTING MEDIAN BARRIER WALL REPAIR AT STATION 320+00: THE CONTRACTOR SHALL SAWCUT THE EXISTING BARRIER WALL TO REMOVE THE DAMAGED PORTION OF THE WALL (APPROXIMATELY 10' IN LENGTH). NEW CONDUIT AND CABLING SHALL BE INSTALLED AND CONNECTED WITH THE EXISTING CONDUIT AND CABLING OF EACH ENDS OF THE CUT WALL LOCATIONS (THIS WORK WILL BE CONSIDERED INCIDENTAL TO PAY ITEMS INCLUDED BELOW. THE CONCRETE BARRIER WALL REPAIR WORK SHALL BE PAID FOR AS:
  - (50102400) CONCRETE REMOVAL, 3.1 CU YD, AND
  - (50300225) CONCRETE STRUCTURES, 3.1 CU YD, AND
  - (44213202) TIE BARS 1" 12 EACH.
 REFERENCE IDOT STANDARD 637006 FOR ADDITIONAL INFORMATION
4. ROD AND CLEAN REVLAC CONDUITS TO BE REUSED FOR NEW CABLING. SEE SPECIAL PROVISIONS. -I-90/94 (2150' X 2).
5. MEDIAN WALL REPAIRED TO REPAIR DAMAGED CONDUITS OR WALL OBSERVED IN THE FIELD AND DIRECTED BY THE ENGINEER WILL BE PAID FOR AT THE UNIT COST FOR CONCRETE REMOVAL, (SPECIAL), CONCRETE STRUCTURES, (SPECIAL), AND TIE BARS 1". CONDUITS AND CABLING NOT DAMAGED DURING CONCRETE REPAIR WILL BE PAID FOR SEPARATELY.

**50300300 - PROTECTIVE COAT**

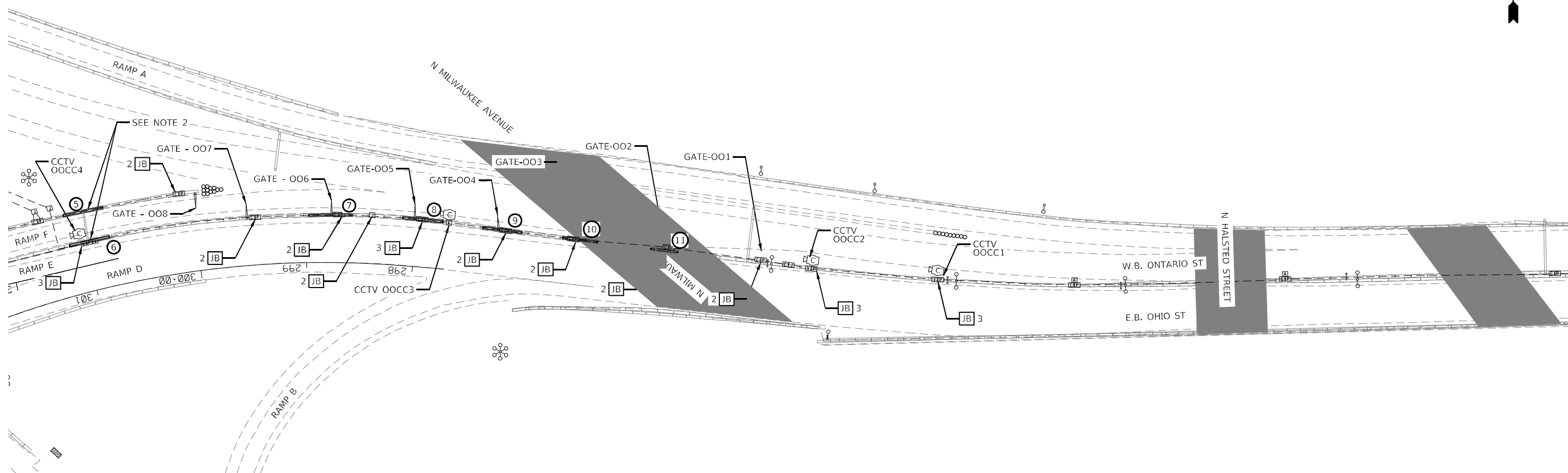
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2	WB I-90/94	313+29	313+58	LT	20
3	WB I-90/94	313+23	313+62	LT	44
4	WB I-90/94	320+40	320+74	LT	28

**LEGEND**

- ID (X) [Symbol] X1700011 - STAMPED COLORED PCC MEDIAN SURFACE 4 INCH
- ID (#) [Symbol] 50300300 - PROTECTIVE COAT
- [Symbol] JB # X1400025 - JUNCTION BOX COVER REPLACEMENT (# OF COVERS TO BE REPLACED)



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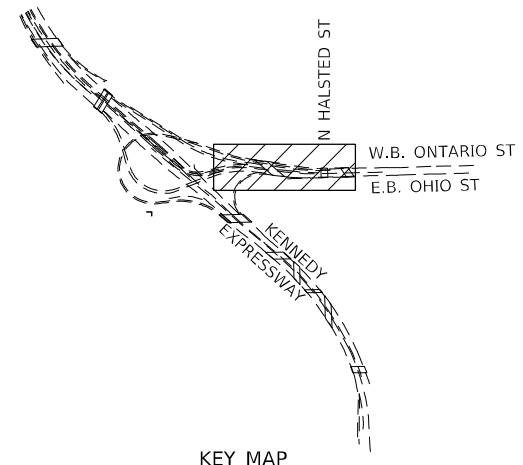


**NOTES**

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3. ROD AND CLEAN REVLAC CONDUITS TO BE REUSED FOR NEW CABLING. SEE SPECIAL PROVISIONS.  
- ONTERIO FEEDER RAMP (1200' X 2)
4. MEDIAN WALL REPAIRED TO REPAIR DAMAGED CONDUITS OR WALL OBSERVED IN THE FIELD AND DIRECTED BY THE ENGINEER WILL BE PAID FOR AT THE UNIT COST FOR CONCRETE REMOVAL, (SPECIAL), CONCRETE STRUCTURES, (SPECIAL), AND TIE BARS 1". CONDUITS AND CABLING NOT DAMAGED DURING CONCRETE REPAIR WILL BE PAID FOR SEPARATELY.

50300300 - PROTECTIVE COAT

ID	ALIGNMENT	BEGIN STATION	END STATION	OFFSET	QTY. (SQ YD)
5	RAMP D TO WB I-90/94	300+78	301+14	LT	27
6	RAMP D TO WB I-90/94	300+78	301+14	LT	63
7	RAMP D TO WB I-90/94	298+57	298+97	LT	46
8	RAMP D TO WB I-90/94	297+75	298+12	LT	43
9	WB ONTARIO	308+44	308+82	RT	42
10	WB ONTARIO	309+21	309+54	RT	36
11	WB ONTARIO	310+01	310+26	RT	27



- LEGEND**
- X1700011 - STAMPED COLORED PCC MEDIAN SURFACE 4 INCH
  - 50300300 - PROTECTIVE COAT
  - X1400025 - JUNCTION BOX COVER REPLACEMENT (# OF COVERS TO BE REPLACED)



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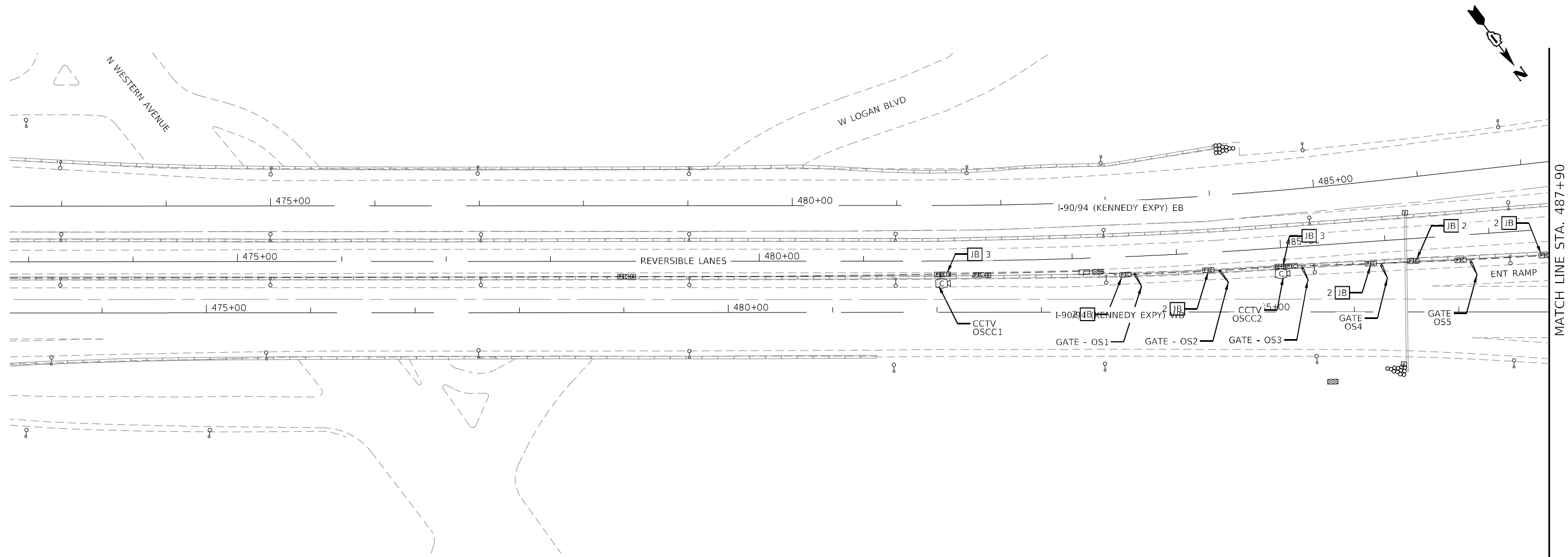
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEDIAN BARRIER REHABILITATION PLANS**

SCALE: 1"=50'    SHEET 3 OF 11 SHEETS    STA. N/A TO STA. N/A

P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	20
CONTRACT NO.			60T46	
ILLINOIS FED. AID PROJECT				

BAR-03

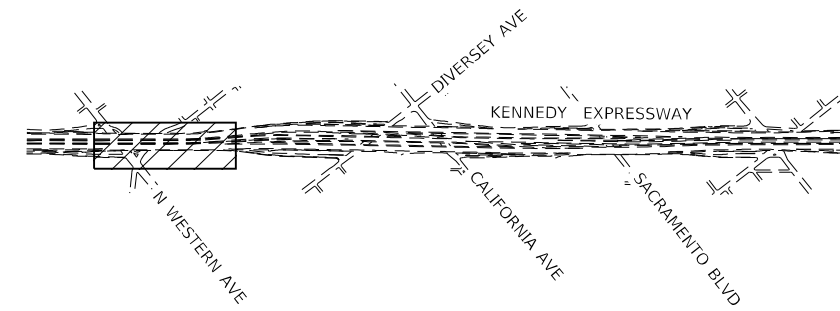


MATCH LINE STA. 487+90

**NOTES**

1. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
2. ROD AND CLEAN REVLAC CONDUITS TO BE REUSED FOR NEW CABLING. SEE SPECIAL PROVISIONS. - I-90/94 (1000' X 2)
3. MEDIAN WALL REPAIRED TO REPAIR DAMAGED CONDUITS OR WALL OBSERVED IN THE FIELD AND DIRECTED BY THE ENGINEER WILL BE PAID FOR AT THE UNIT COST FOR CONCRETE REMOVAL, (SPECIAL), CONCRETE STRUCTURES, (SPECIAL), AND TIE BARS 1". CONDUITS AND CABLING NOT DAMAGED DURING CONCRETE REPAIR WILL BE PAID FOR SEPARATELY.

- LEGEND**
- ID (X) - X1700011 - STAMPED COLORED PCC MEDIAN SURFACE 4 INCH
  - ID (#) - 50300300 - PROTECTIVE COAT
  - JB # - X1400025 - JUNCTION BOX COVER REPLACEMENT (# OF COVERS TO BE REPLACED)



KEY MAP



BAR-04

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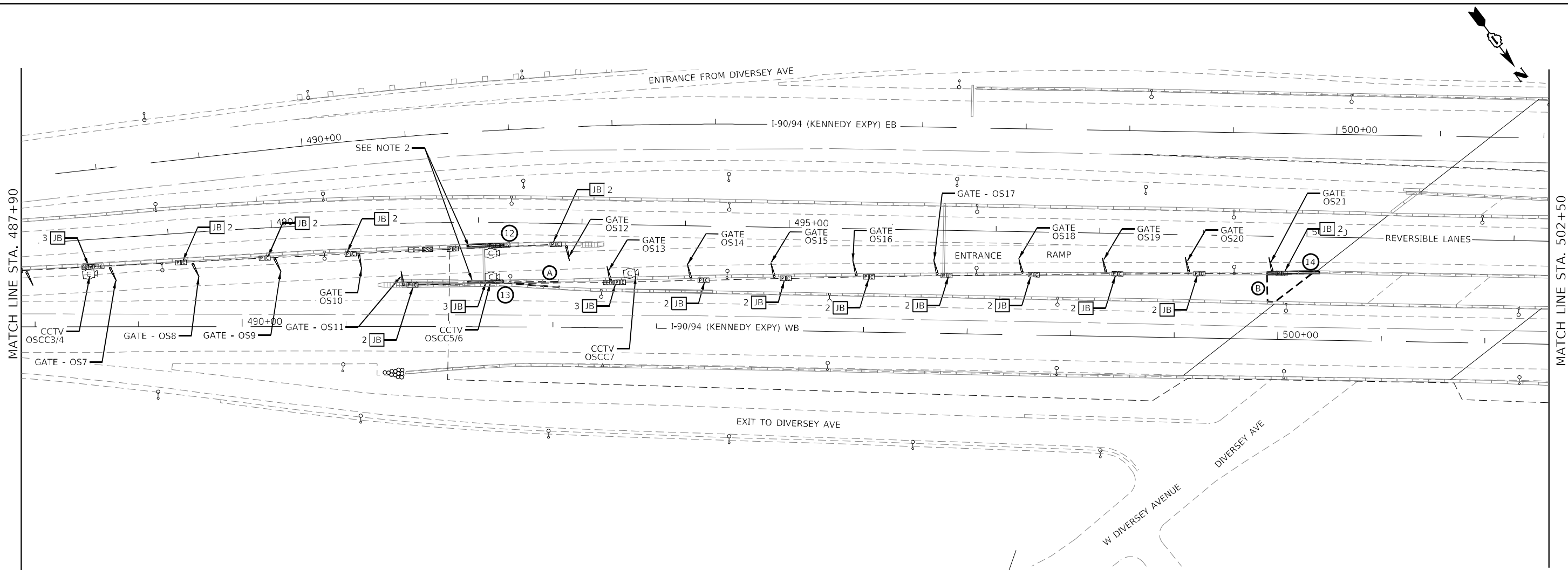
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DRAWN - JKR	REVISED -
CHECKED - CL	REVISED -
DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEDIAN BARRIER REHABILITATION PLANS**

SCALE: 1"=50' SHEET 4 OF 11 SHEETS STA. 256+00 TO STA. 270+50

F.A.I. RTE. 90/94	SECTION 2012-0081	COUNTY COOK	TOTAL SHEETS 288	SHEET NO. 21
CONTRACT NO. 60T46			ILLINOIS FED. AID PROJECT	



**NOTES**

1. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
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3. ROD AND CLEAN REVLAC CONDUITS TO BE REUSED FOR NEW CABLING. SEE SPECIAL PROVISIONS.  
- I-90/94 (1200' X 2)
4. MEDIAN WALL REPAIRED TO REPAIR DAMAGED CONDUITS OR WALL OBSERVED IN THE FIELD AND DIRECTED BY THE ENGINEER WILL BE PAID FOR AT THE UNIT COST FOR CONCRETE REMOVAL, (SPECIAL), CONCRETE STRUCTURES, (SPECIAL), AND TIE BARS 1". CONDUITS AND CABLING NOT DAMAGED DURING CONCRETE REPAIR WILL BE PAID FOR SEPARATELY.

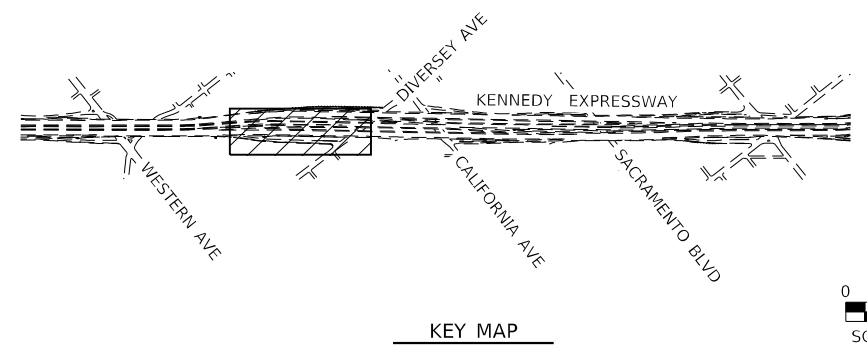
X1700011 - STAMPED COLORED PCC MEDIAN SURFACE, 4"

ID	ALIGNMENT	BEGIN STATION	END STATION	OFFSET	QTY. (SQ.FT.)
A	WB I-90/94	492+63	493+06	LT	142
B	WB I-90/94	499+88	500+32	LT	676

50300300 - PROTECTIVE COAT

ID	ALIGNMENT	BEGIN STATION	END STATION	OFFSET	QTY. (SQ YD)
12	WB I-90/94	492+17	492+52	LT	37
13	WB I-90/94	492+18	492+52	LT	37
14	WB I-90/94	499+88	500+39	LT	37

- LEGEND**
- X1700011 - STAMPED COLORED PCC MEDIAN SURFACE 4 INCH
  - 50300300 - PROTECTIVE COAT
  - X1400025 - JUNCTION BOX COVER REPLACEMENT (# OF COVERS TO BE REPLACED)



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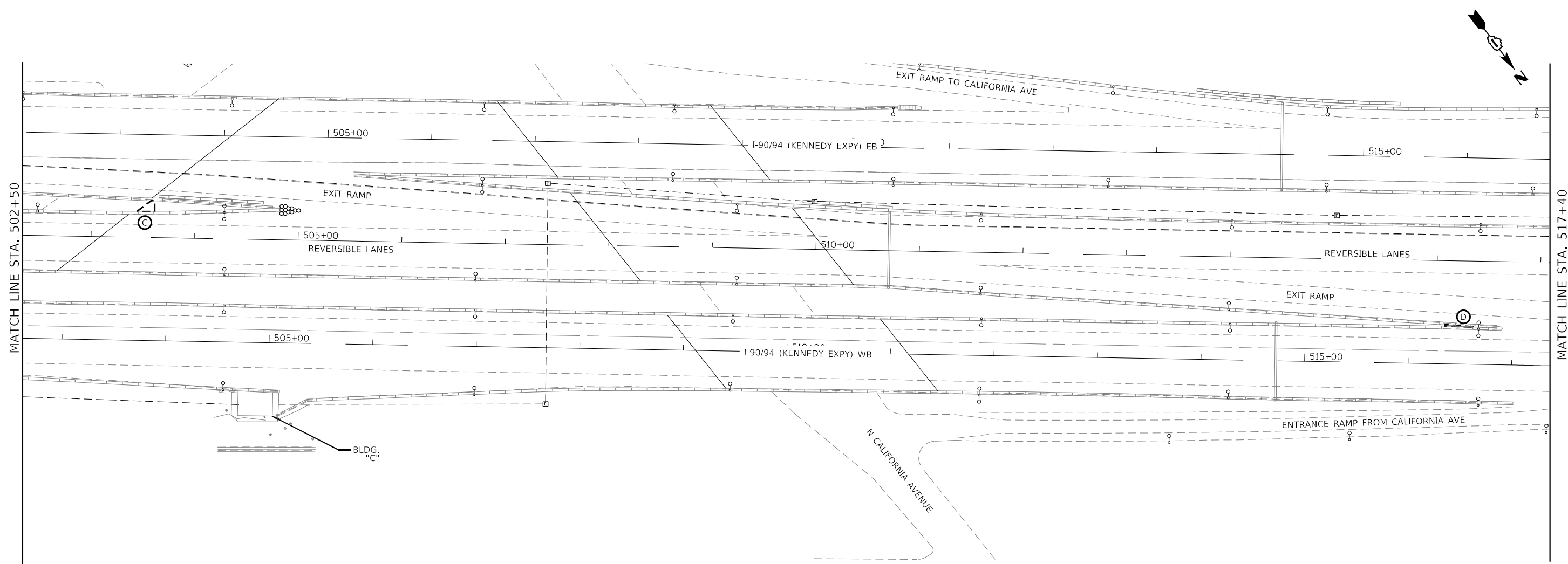
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEDIAN BARRIER REHABILITATION PLANS**

SCALE: 1"=50' SHEET 5 OF 11 SHEETS STA. 270+50 TO STA. 285+25

P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	288	22
CONTRACT NO. 60T46			ILLINOIS FED. AID PROJECT	

BAR-05



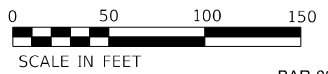
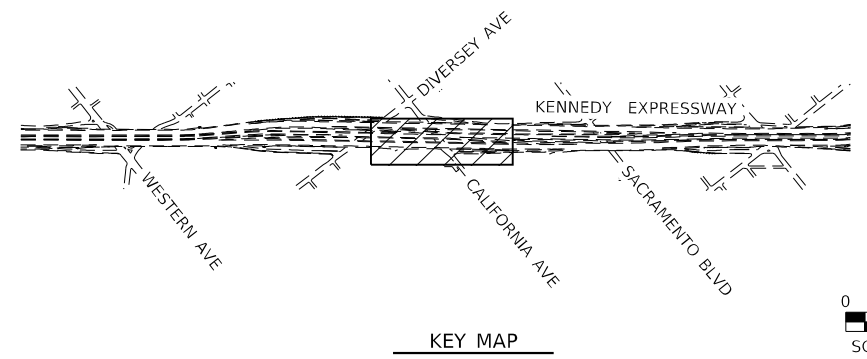
**NOTES**

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X1700011 - STAMPED COLORED PCC MEDIAN SURFACE, 4"

ID	ALIGNMENT	BEGIN STATION	END STATION	OFFSET	QTY. (SQ.FT.)
C	WB I-90/94	503+70	503+87	LT	109
D	WB I-90/94	516+35	516+62	LT	25

- LEGEND**
- X1700011 - STAMPED COLORED PCC MEDIAN SURFACE 4 INCH
  - 50300300 - PROTECTIVE COAT
  - X1400025 - JUNCTION BOX COVER REPLACEMENT (# OF COVERS TO BE REPLACED)



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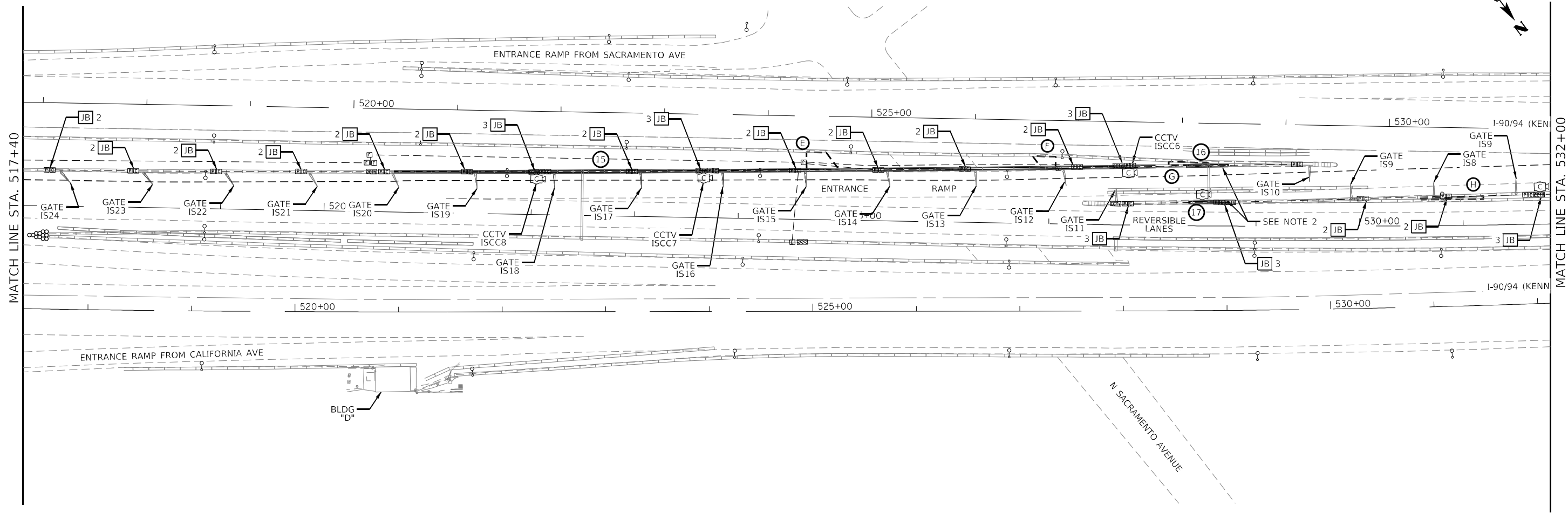
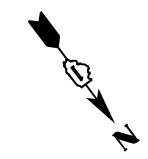
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEDIAN BARRIER REHABILITATION PLANS**

SCALE: 1"=50' SHEET 6 OF 11 SHEETS STA. 285+25 TO STA. 300+00

P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	23
CONTRACT NO.			60T46	
ILLINOIS FED. AID PROJECT				

BAR-06



**NOTES**

1. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
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3. ROD AND CLEAN REVLAC CONDUITS TO BE REUSED FOR NEW CABLING. SEE SPECIAL PROVISIONS.
  - I-90/94 (1220' X 2) AND
  - I-90/94 (460' X 2).
4. MEDIAN WALL REPAIRED TO REPAIR DAMAGED CONDUITS OR WALL OBSERVED IN THE FIELD AND DIRECTED BY THE ENGINEER WILL BE PAID FOR AT THE UNIT COST FOR CONCRETE REMOVAL, (SPECIAL), CONCRETE STRUCTURES, (SPECIAL), AND TIE BARS 1". CONDUITS AND CABLING NOT DAMAGED DURING CONCRETE REPAIR WILL BE PAID FOR SEPARATELY.

X1700011 - STAMPED COLORED PCC MEDIAN SURFACE, 4"

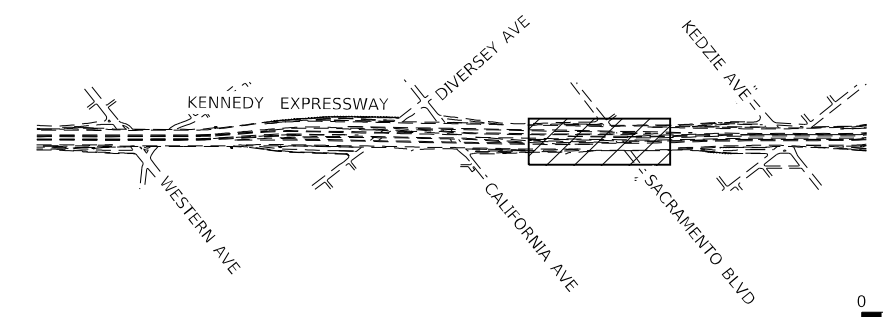
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E	EB I-90/94	524+38	524+69	LT	398
F	EB I-90/94	526+56	526+79	LT	183
G	EB I-90/94	527+87	528+25	LT	88
H	EB I-90/94	530+32	530+92	LT	110

50300300 - PROTECTIVE COAT

ID	ALIGNMENT	BEGIN STATION	END STATION	OFFSET	QTY. (SQ YD)
15	EB I-90/94	520+40	527+75	LT	517
16	EB I-90/94	528+05	528+45	LT	44
17	EB I-90/94	528+08	528+46	LT	44

**LEGEND**

- X1700011 - STAMPED COLORED PCC MEDIAN SURFACE 4 INCH
- 50300300 - PROTECTIVE COAT
- X1400025 - JUNCTION BOX COVER REPLACEMENT (# OF COVERS TO BE REPLACED)



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

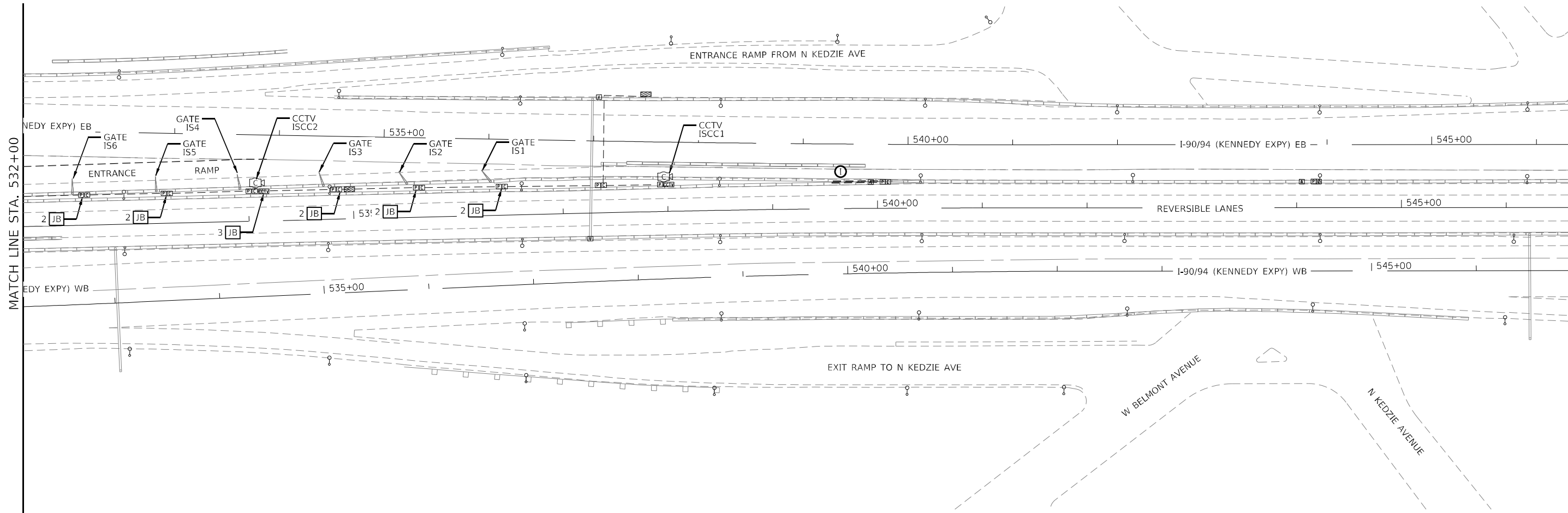
**MEDIAN BARRIER REHABILITATION PLANS**

SCALE: 1"=50' SHEET 7 OF 11 SHEETS STA. 300+00 TO STA. 314+75

P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	288	24
CONTRACT NO. 60T46			ILLINOIS FED. AID PROJECT	

BAR-07





MATCH LINE STA. 532+00

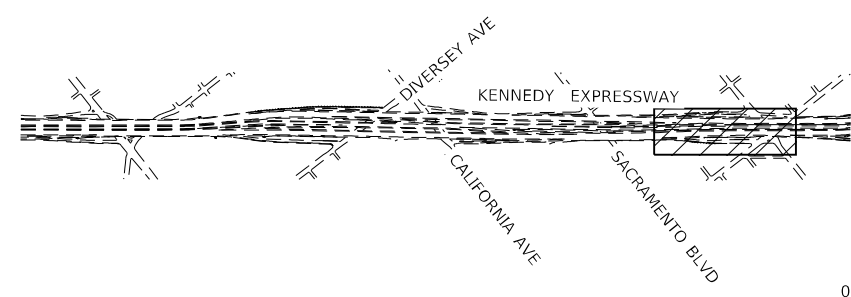
**NOTES**

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2. ROD AND CLEAN REVLAC CONDUITS TO BE REUSED FOR NEW CABLING. SEE SPECIAL PROVISIONS. - I-90/94 (800' X 2)
3. MEDIAN WALL REPAIRED TO REPAIR DAMAGED CONDUITS OR WALL OBSERVED IN THE FIELD AND DIRECTED BY THE ENGINEER WILL BE PAID FOR AT THE UNIT COST FOR CONCRETE REMOVAL (SPECIAL), CONCRETE STRUCTURES (SPECIAL), AND TIE BARS 1". CONDUITS AND CABLING NOT DAMAGED DURING CONCRETE REPAIR WILL BE PAID FOR SEPARATELY.

X1700011 - STAMPED COLORED PCC MEDIAN SURFACE, 4"

ID	ALIGNMENT	BEGIN STATION	END STATION	OFFSET	QTY. (SQ.FT.)
1	EB I-90/94	539+26	539+71	LT	39

- LEGEND**
- X1700011 - STAMPED COLORED PCC MEDIAN SURFACE 4 INCH
  - 50300300 - PROTECTIVE COAT
  - X1400025 - JUNCTION BOX COVER REPLACEMENT (# OF COVERS TO BE REPLACED)



KEY MAP



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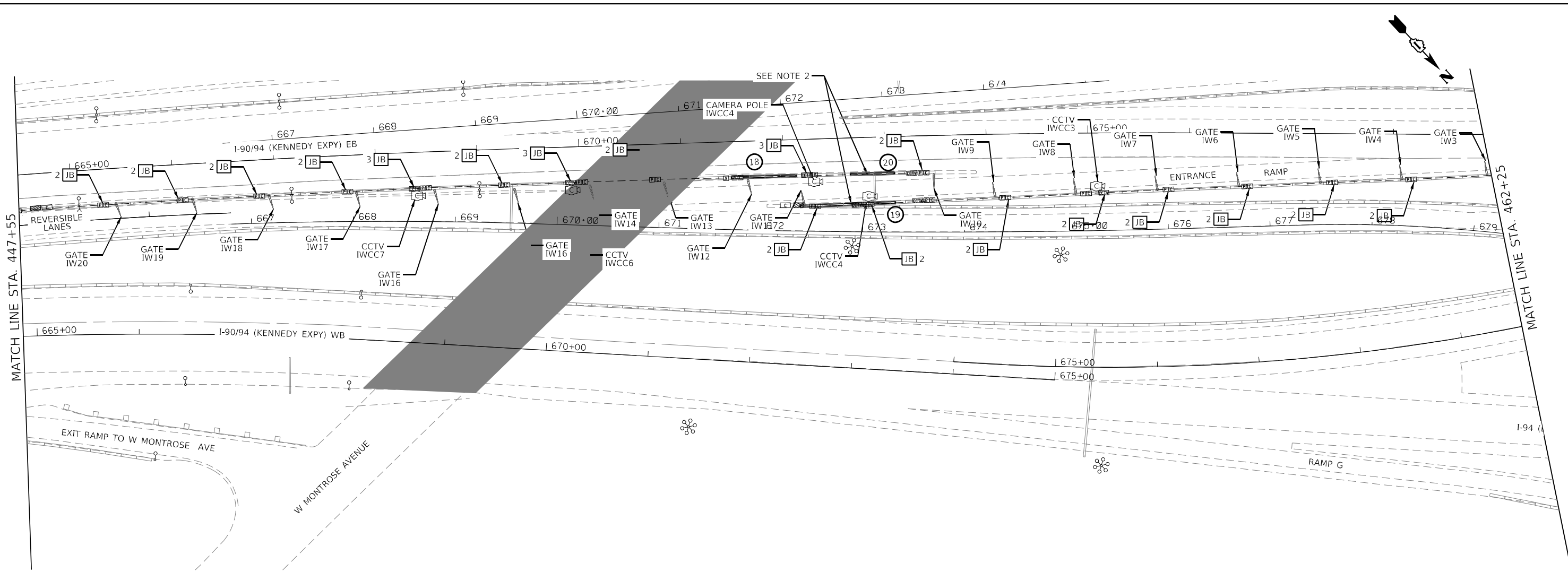
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEDIAN BARRIER REHABILITATION PLANS**

SCALE: 1"=50' SHEET 8 OF 11 SHEETS STA. 314+75 TO STA. 329+00

F.A.I. RTE. 90/94	SECTION 2012-0081	COUNTY COOK	TOTAL SHEETS 268	SHEET NO. 25
CONTRACT NO. 60T46			ILLINOIS FED. AID PROJECT	

BAR-08

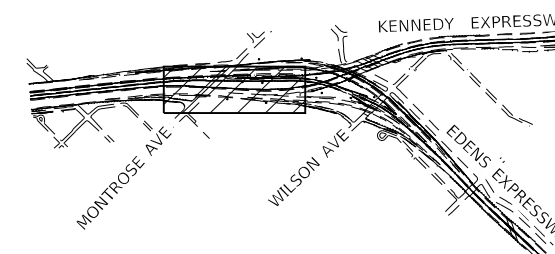
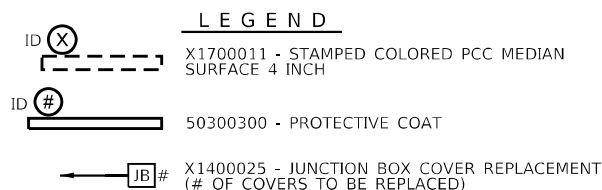


**NOTES**

1. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING FIELDS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
2. THE CONTRACTOR SHALL REMOVE THE EXISTING 25 FEET OF GUARDRAIL AND INSTALL NEW GUARDRAIL IN KIND; ALONG WITH TWO (2) ALTERNATE END SHOES. ATTACHED TO THE INSIDE FACE OF THE BARRIER WALL AT EACH RESTRAINING BARRIER. THIS WORK SHALL BE PAID FOR AS (63200310 GUARDRAIL REMOVAL, AND X6300155 STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES (SPECIAL)).
3. ROD AND CLEAN REVLAC CONDUITS TO BE REUSED FOR NEW CABLING. SEE SPECIAL PROVISIONS.  
 - I-90/94 (920' X 2) AND  
 - I-90/94 (800' X 2).
4. MEDIAN WALL REPAIRED TO REPAIR DAMAGED CONDUITS OR WALL OBSERVED IN THE FIELD AND DIRECTED BY THE ENGINEER WILL BE PAID FOR AT THE UNIT COST FOR CONCRETE REMOVAL, (SPECIAL), CONCRETE STRUCTURES, (SPECIAL), AND TIE BARS 1". CONDUITS AND CABLING NOT DAMAGED DURING CONCRETE REPAIR WILL BE PAID FOR SEPARATELY.

50300300 - PROTECTIVE COAT

ID	ALIGNMENT	BEGIN STATION	END STATION	OFFSET	QTY. (SQ YD)
18	EB I-90/94	671+49	672+12	LT	70
19	EB I-90/94	672+15	673+09	LT	67
20	EB I-90/94	672+66	673+09	LT	49



BAR-09

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 DRAWN - JKR  
 CHECKED - CL  
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 PLOT DATE = 3/22/2022



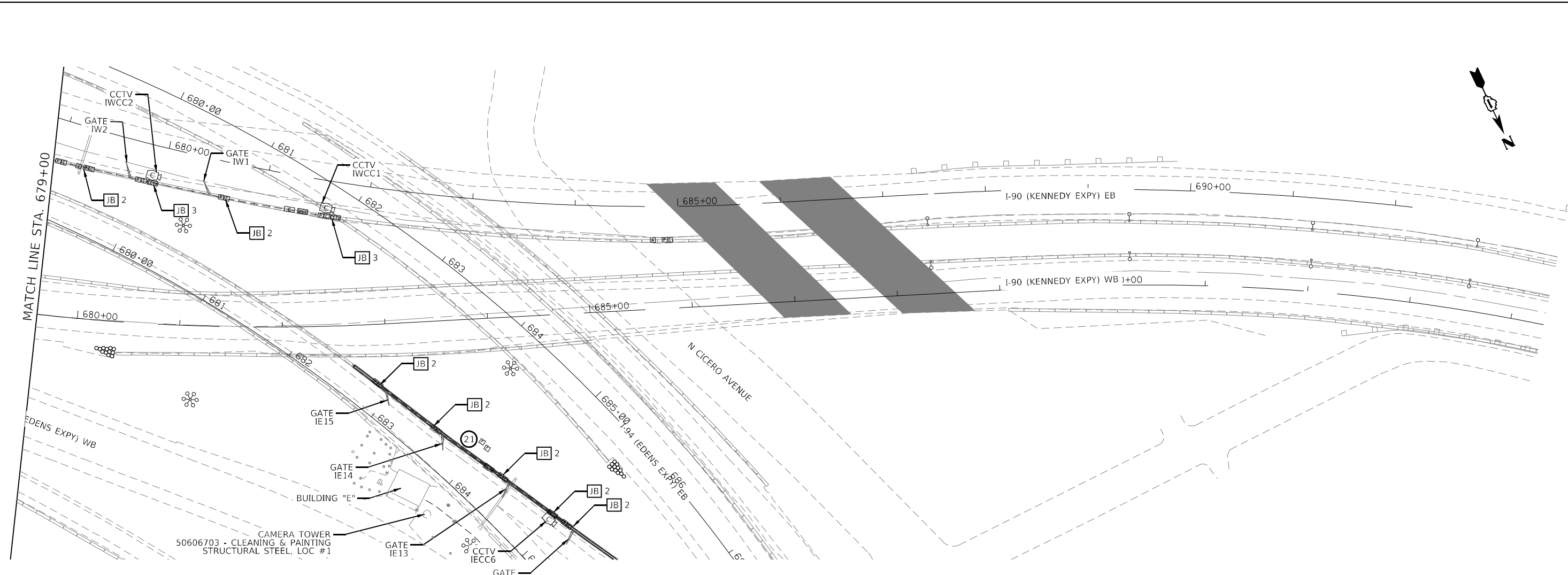
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		DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEDIAN BARRIER REHABILITATION PLANS**

SCALE: 1"=50' SHEET 9 OF 11 SHEETS STA. 447+55 TO STA. 462+25

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	26
CONTRACT NO. 60T46				
ILLINOIS FED. AID PROJECT				



**NOTES**

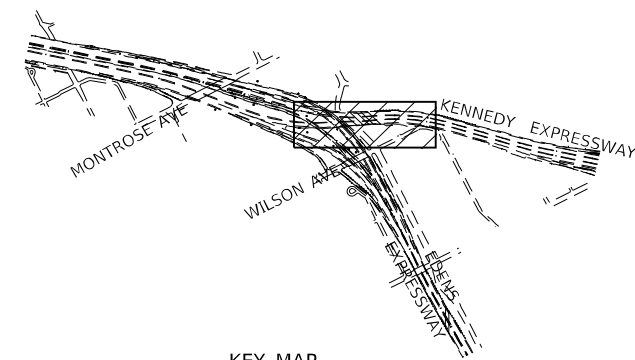
1. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
2. ROD AND CLEAN REVLAC CONDUITS TO BE REUSED FOR NEW CABLING. SEE SPECIAL PROVISIONS.  
 - I-90/94 (780' X 2) AND  
 - I-90/94 (460' X 2).
3. MEDIAN WALL REPAIRED TO REPAIR DAMAGED CONDUITS OR WALL OBSERVED IN THE FIELD AND DIRECTED BY THE ENGINEER WILL BE PAID FOR AT THE UNIT COST FOR CONCRETE REMOVAL, (SPECIAL), CONCRETE STRUCTURES, (SPECIAL) AND TIE BARS 1". CONDUITS AND CABLING NOT DAMAGED DURING CONCRETE REPAIR WILL BE PAID FOR SEPARATELY.

**50300300 - PROTECTIVE COAT**

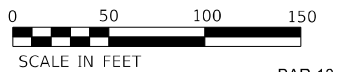
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21	WB EDENS RAMP	682+57	685+79	LT	231

**LEGEND**

- ID (X) X1700011 - STAMPED COLORED PCC MEDIAN SURFACE 4 INCH
- ID (#) 50300300 - PROTECTIVE COAT
- JB # X1400025 - JUNCTION BOX COVER REPLACEMENT (# OF COVERS TO BE REPLACED)



KEY MAP



BAR-10

P:\US1\ASB\APR06\CS\acobs.com\NAT\Documents\CSX12901\Contract\07\700\CADD\Sheet\DWG\Tie-sh-BAR10.dgn

**ABNA**  
 DESIGN FIRM REG. 164.002117

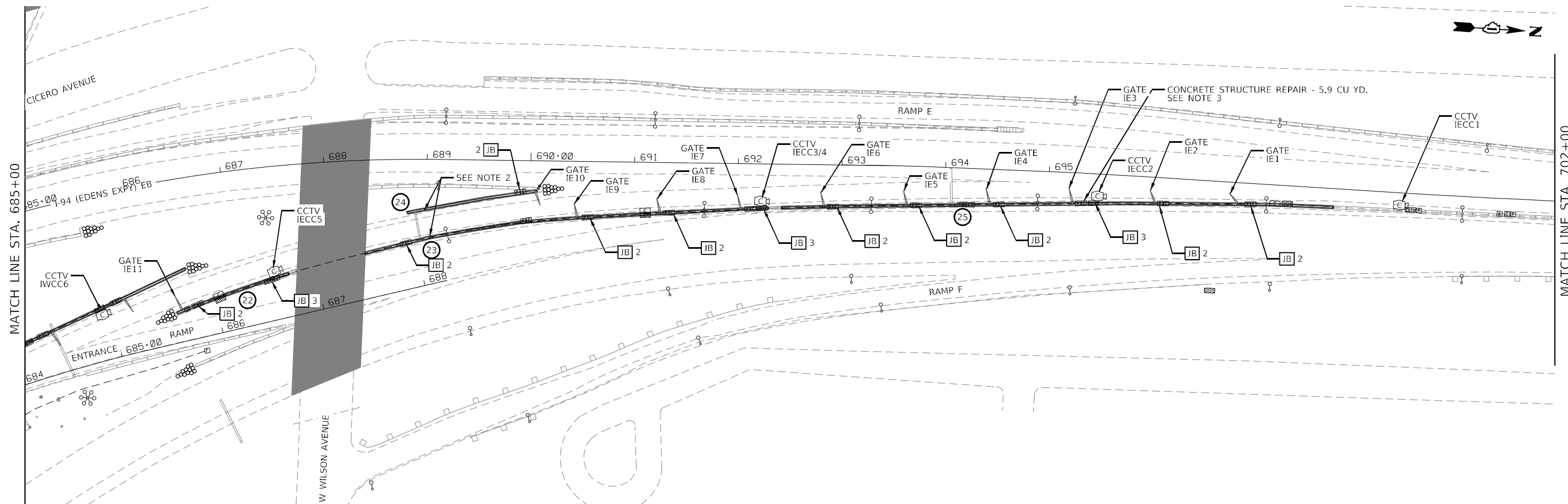
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MEDIAN BARRIER REHABILITATION PLANS**

SCALE: 1"=50' SHEET 10 OF 11 SHEETS STA. 462+25 TO STA. 477+00

P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	27
CONTRACT NO. 60T46			ILLINOIS FED. AID PROJECT	

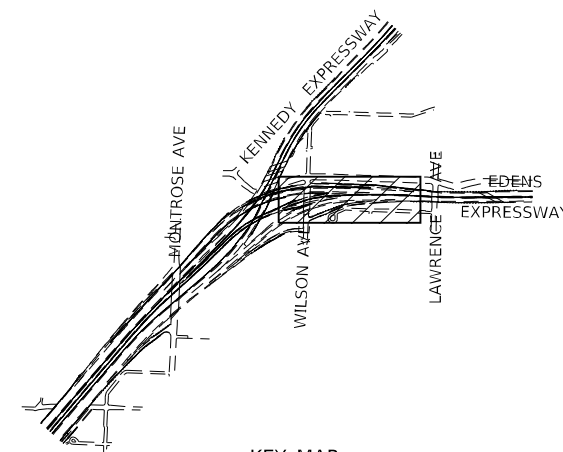
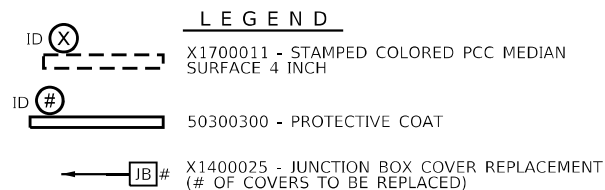


**NOTES**

1. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
2. THE CONTRACTOR SHALL REMOVE THE EXISTING 25 FEET OF GUARDRAIL AND INSTALL NEW GUARDRAIL IN KIND, ALONG WITH TWO (2) ALTERNATE END SHOES, ATTACHED TO THE INSIDE FACE OF THE BARRIER WALL AT EACH RESTRAINING BARRIER. THIS WORK SHALL BE PAID FOR AS (63200310 GUARDRAIL REMOVAL, AND X6300155 STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES (SPECIAL)).
3. EXISTING BARRIER WALL REPAIR: THE CONTRACTOR SHALL SAWCUT THE EXISTING BARRIER WALL TO REMOVE THE DAMAGED PORTION OF THE WALL (APPROXIMATELY 10' IN LENGTH). NEW CONDUIT AND CABLING SHALL BE INSTALLED AND CONNECTED WITH THE EXISTING CONDUIT AND CABLING ON EACH ENDS OF THE CUT WALL LOCATIONS (THIS WORK WILL BE CONSIDERED INCIDENTAL TO PAY ITEMS INCLUDED BELOW. THE CONCRETE BARRIER WALL REPAIR WORK SHALL BE PAID FOR AS  
 - (50102400) CONCRETE REMOVAL, 5.9 CU YD, AND  
 - (50300225) CONCRETE STRUCTURES, 5.9 CU YD, AND  
 - (44213202) TIE BARS 1", 12 EACH.  
 REFERENCE IDOT STANDARD 637006 FOR ADDITIONAL INFORMATION
4. ROD AND CLEAN REVLAC CONDUITS TO BE REUSED FOR NEW CABLING. SEE SPECIAL PROVISIONS.  
 - I-94 (1200' X 2)
5. MEDIAN WALL REPAIRED TO REPAIR DAMAGED CONDUITS OR WALL OBSERVED IN THE FIELD AND DIRECTED BY THE ENGINEER WILL BE PAID FOR AT THE UNIT COST FOR CONCRETE REMOVAL, (SPECIAL), CONCRETE STRUCTURES, (SPECIAL), AND TIE BARS 1". CONDUITS AND CABLING NOT DAMAGED DURING CONCRETE REPAIR WILL BE PAID FOR SEPARATELY.

50300300 - PROTECTIVE COAT

ID	ALIGNMENT	BEGIN STATION	END STATION	OFFSET	QTY. (SQ YD)
22	I-94 (EDENS EXPY) EB	686+35	687+56	RT	129
23	I-94 (EDENS EXPY) EB	688+36	692+30	RT	436
24	I-94 (EDENS EXPY) EB	688+80	690+06	RT	138
25	I-94 (EDENS EXPY) EB	692+42	697+75	RT	583



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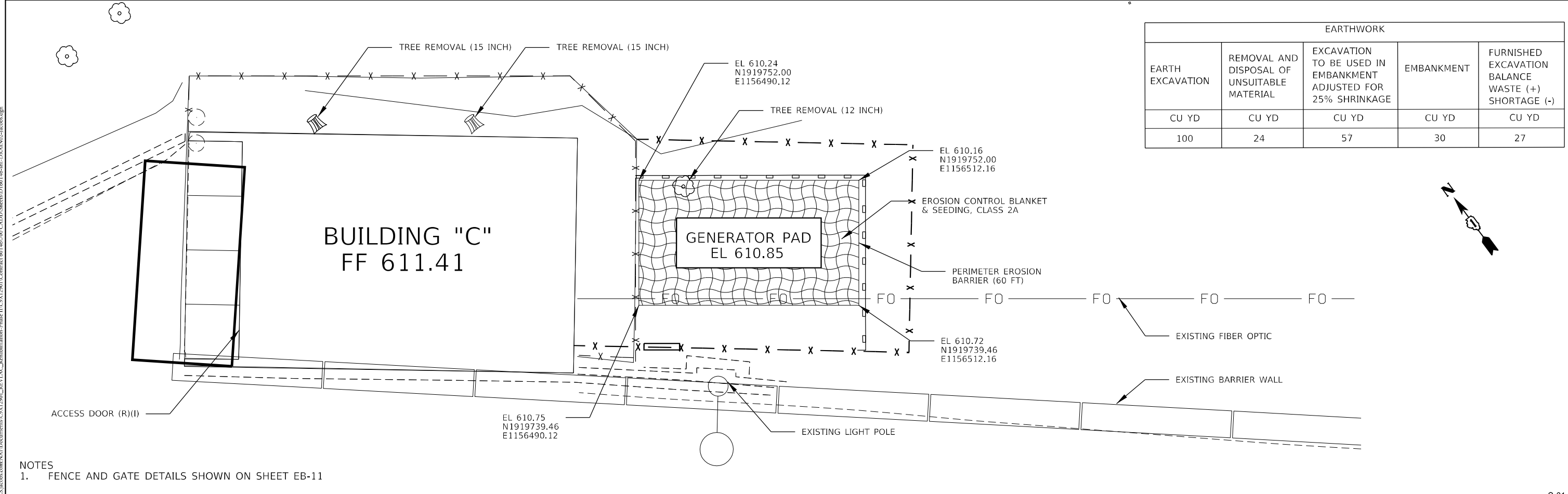
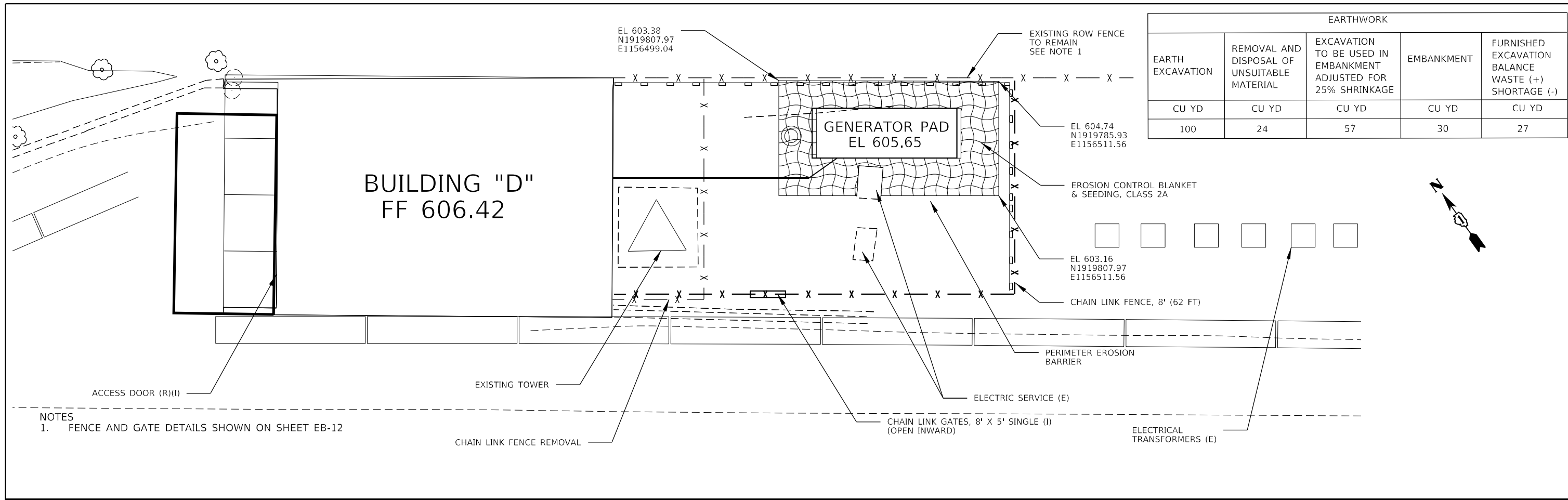
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 DESIGN FIRM REG. 164-002117

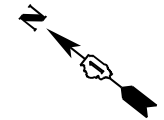
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

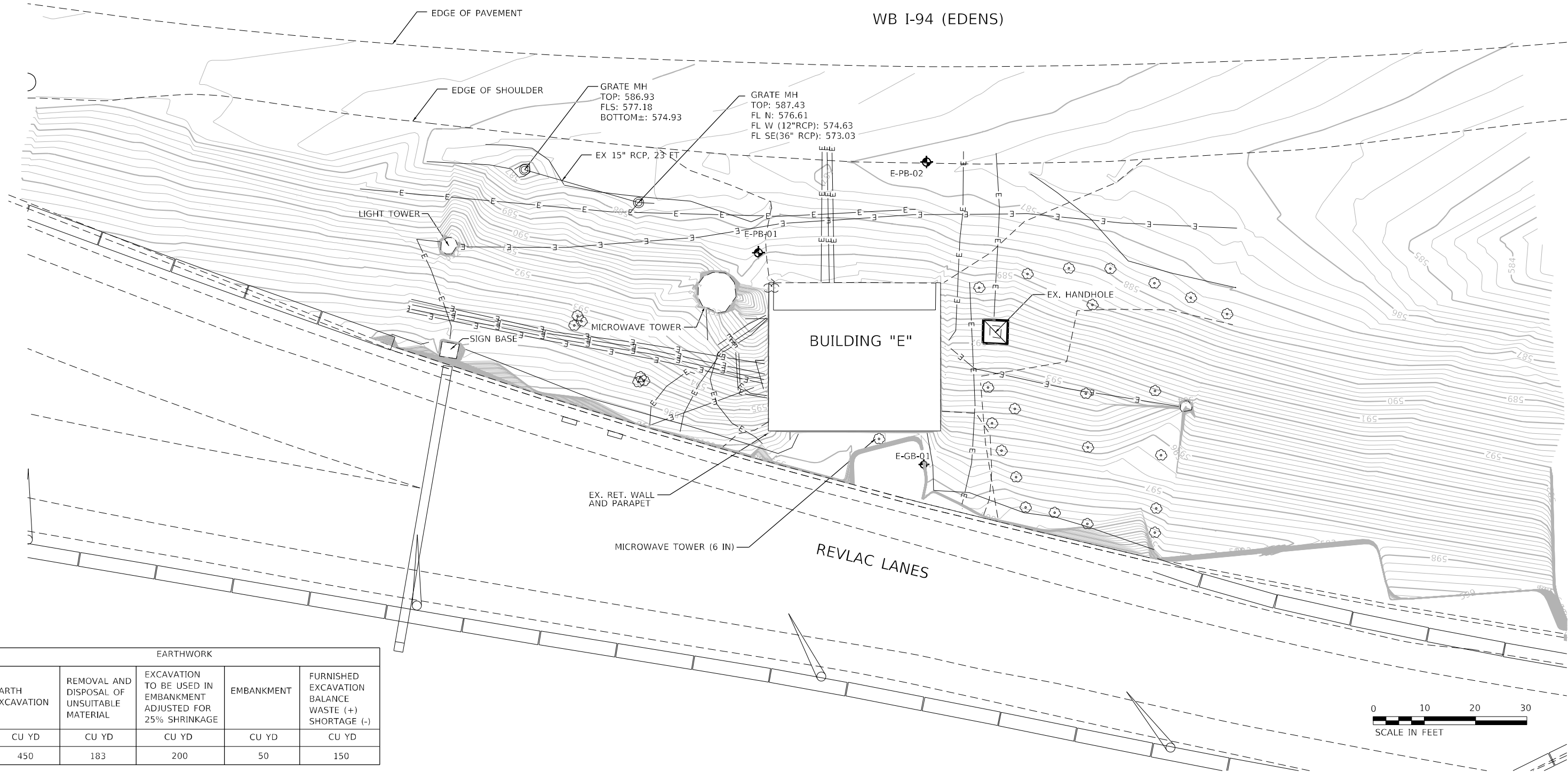
**MEDIAN BARRIER REHABILITATION PLANS**  
 SCALE: 1"=50'    SHEET 11 OF 11 SHEETS    STA. 21+75 TO STA. 37+02

P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	28
CONTRACT NO. 60T46			ILLINOIS FED. AID PROJECT	





WB I-94 (EDENS)



EARTHWORK				
EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR 25% SHRINKAGE	EMBANKMENT	FURNISHED EXCAVATION BALANCE WASTE (+) SHORTAGE (-)
CU YD	CU YD	CU YD	CU YD	CU YD
450	183	200	50	150



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SITE REHABILITATION PLANS  
BUILDING E EXISTING AND REMOVAL PLAN

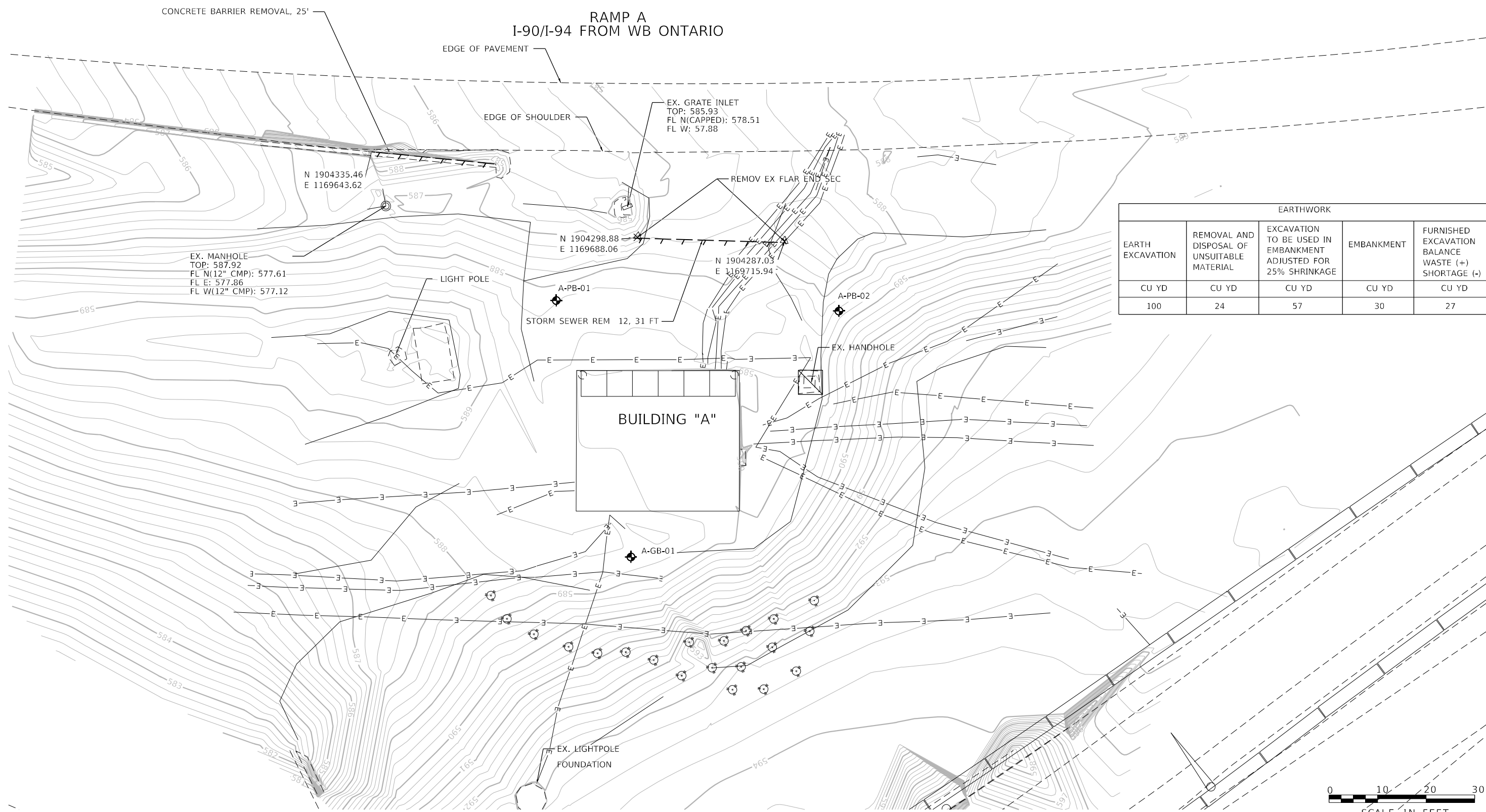
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	30
CONTRACT NO.			60746	
ILLINOIS FED. AID PROJECT				

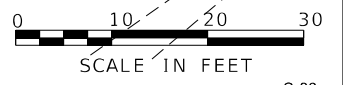
S-02



RAMP A  
I-90/I-94 FROM WB ONTARIO



EARTHWORK				
EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR 25% SHRINKAGE	EMBANKMENT	FURNISHED EXCAVATION BALANCE WASTE (+) SHORTAGE (-)
CU YD	CU YD	CU YD	CU YD	CU YD
100	24	57	30	27



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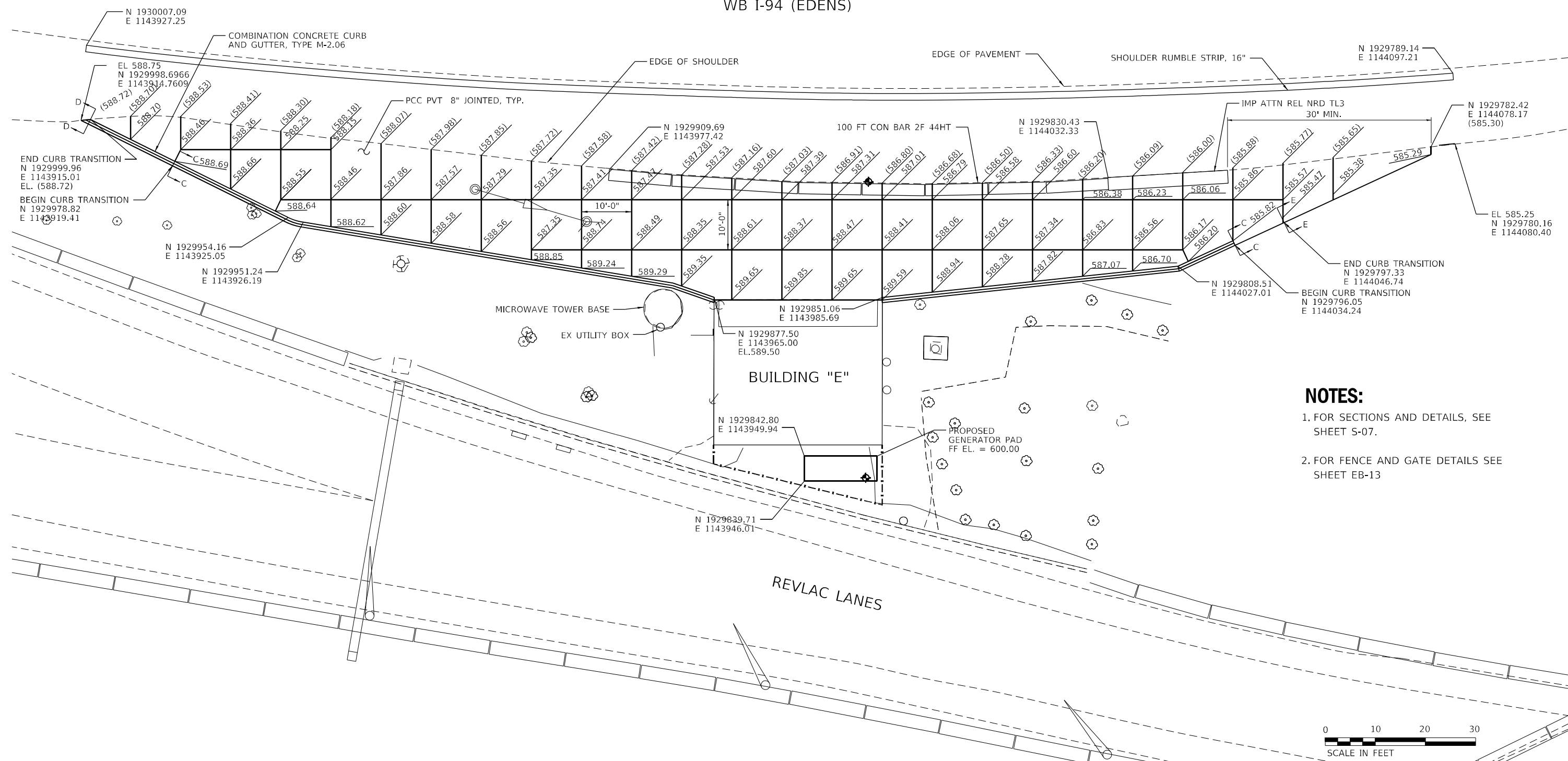
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SITE REHABILITATION PLANS			
BUILDING A EXISTING AND REMOVAL PLAN			
SCALE: 1"=10'	SHEET 3	OF 8 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	288	31
CONTRACT NO. 60T46			ILLINOIS FED. AID PROJECT	

S-03

WB I-94 (EDENS)



**NOTES:**

1. FOR SECTIONS AND DETAILS, SEE SHEET S-07.
2. FOR FENCE AND GATE DETAILS SEE SHEET EB-13



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 PLOT DATE = 3/22/2022

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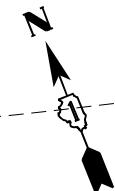
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>SITE REHABILITATION PLANS</b>			
<b>BUILDING E</b>			
SCALE: 1" = 10'	SHEET 4	OF 8 SHEETS	STA. TO STA.

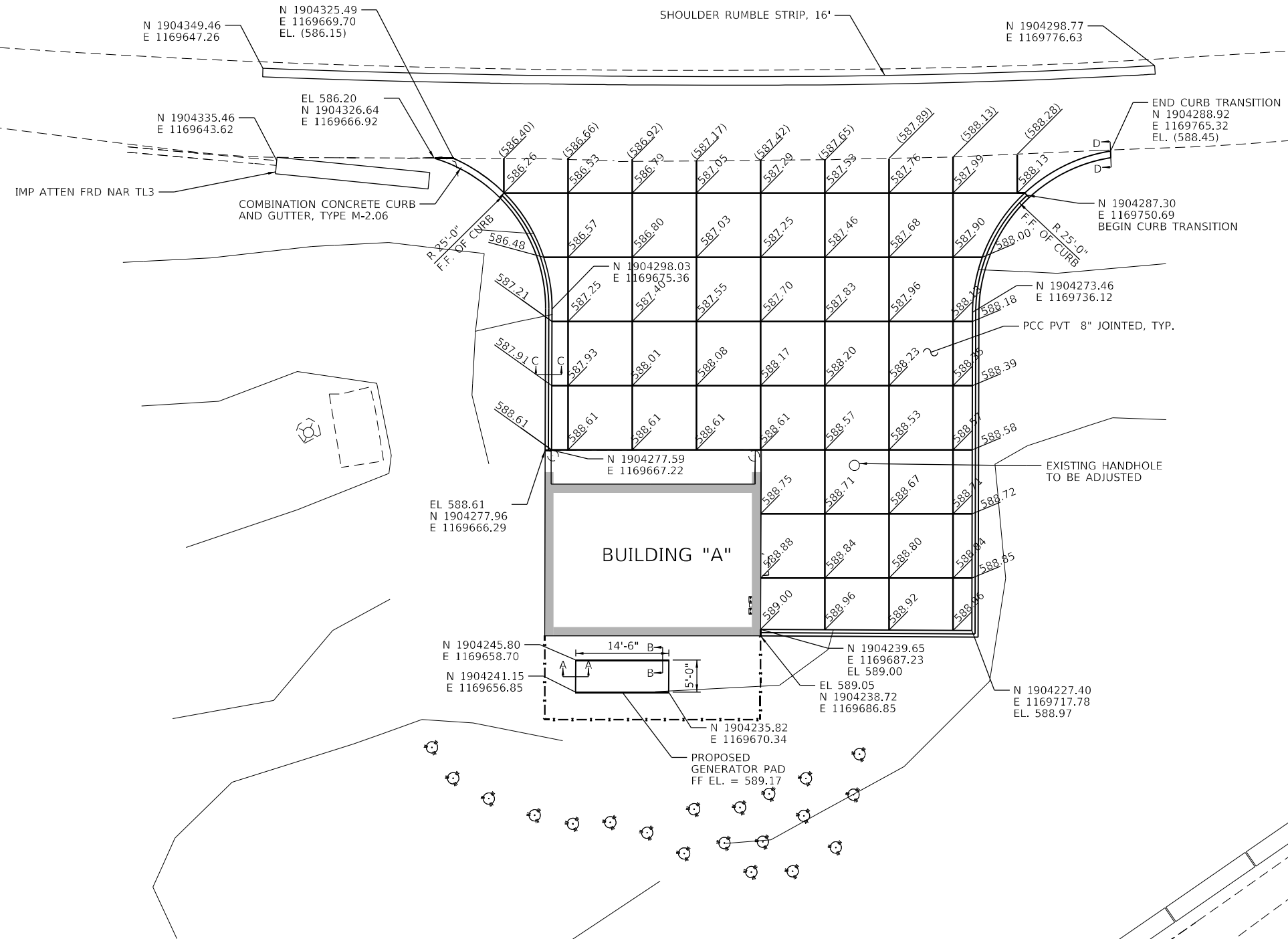
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	32
CONTRACT NO.			60T46	
ILLINOIS FED. AID PROJECT				

S-04





RAMP A  
I-90/I-94 WB FROM ONTARIO ST



**NOTES:**

1. FOR SECTIONS AND DETAILS, SEE SHEET S-07.
2. FOR FENCE AND GATE DETAILS SEE SHEET EB-10



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 ENGINEERING CORP.  
 www.sdiengr.com

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DESIGNED - DA
DRAWN - BA
CHECKED - OAO
DATE - 1/27/2022

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SITE REHABILITATION PLANS  
BUILDING A**

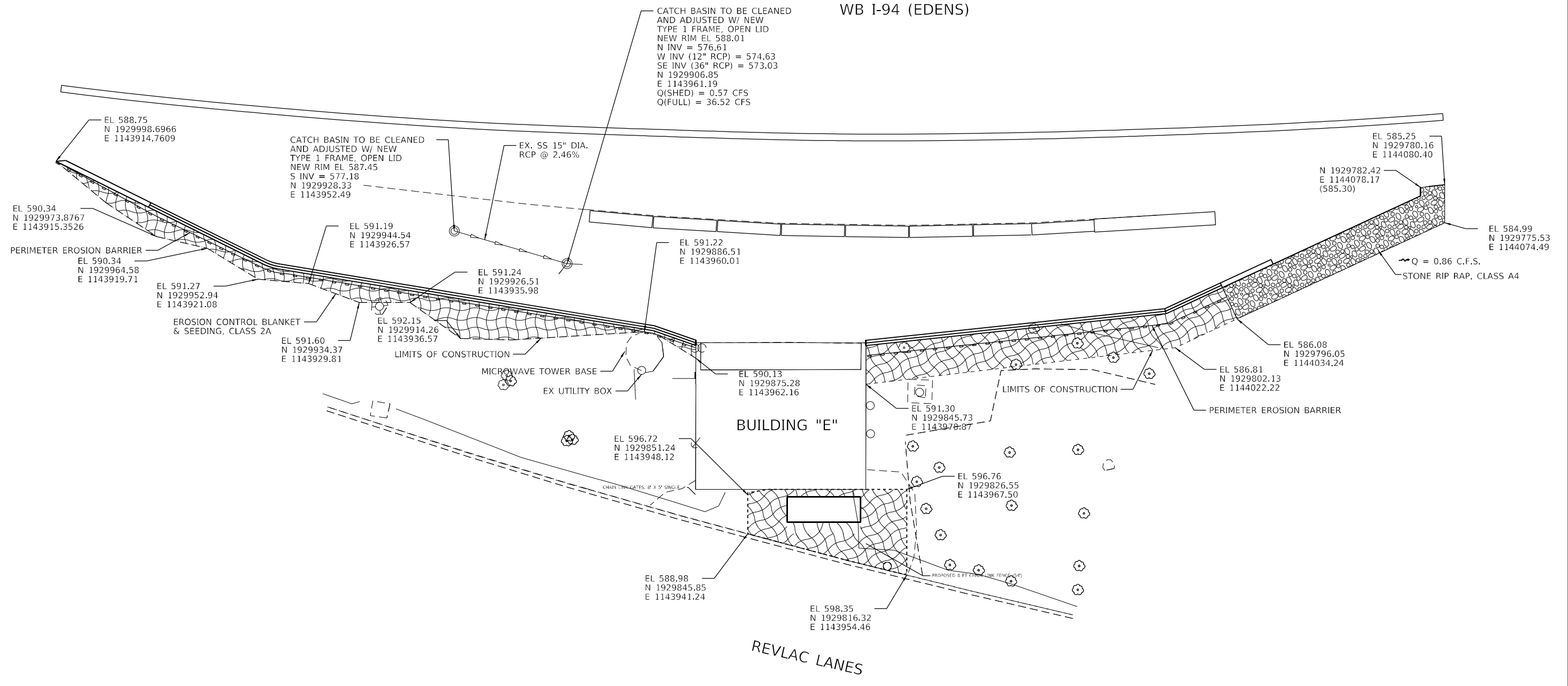
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	33
CONTRACT NO.			60T46	
ILLINOIS FED. AID PROJECT				

S-05



WB I-94 (EDENS)



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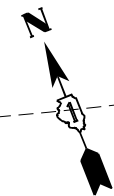
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SITE REHABILITATION PLANS  
 BUILDING E EROSION CONTROL, DRAINAGE AND LANDSCAPE

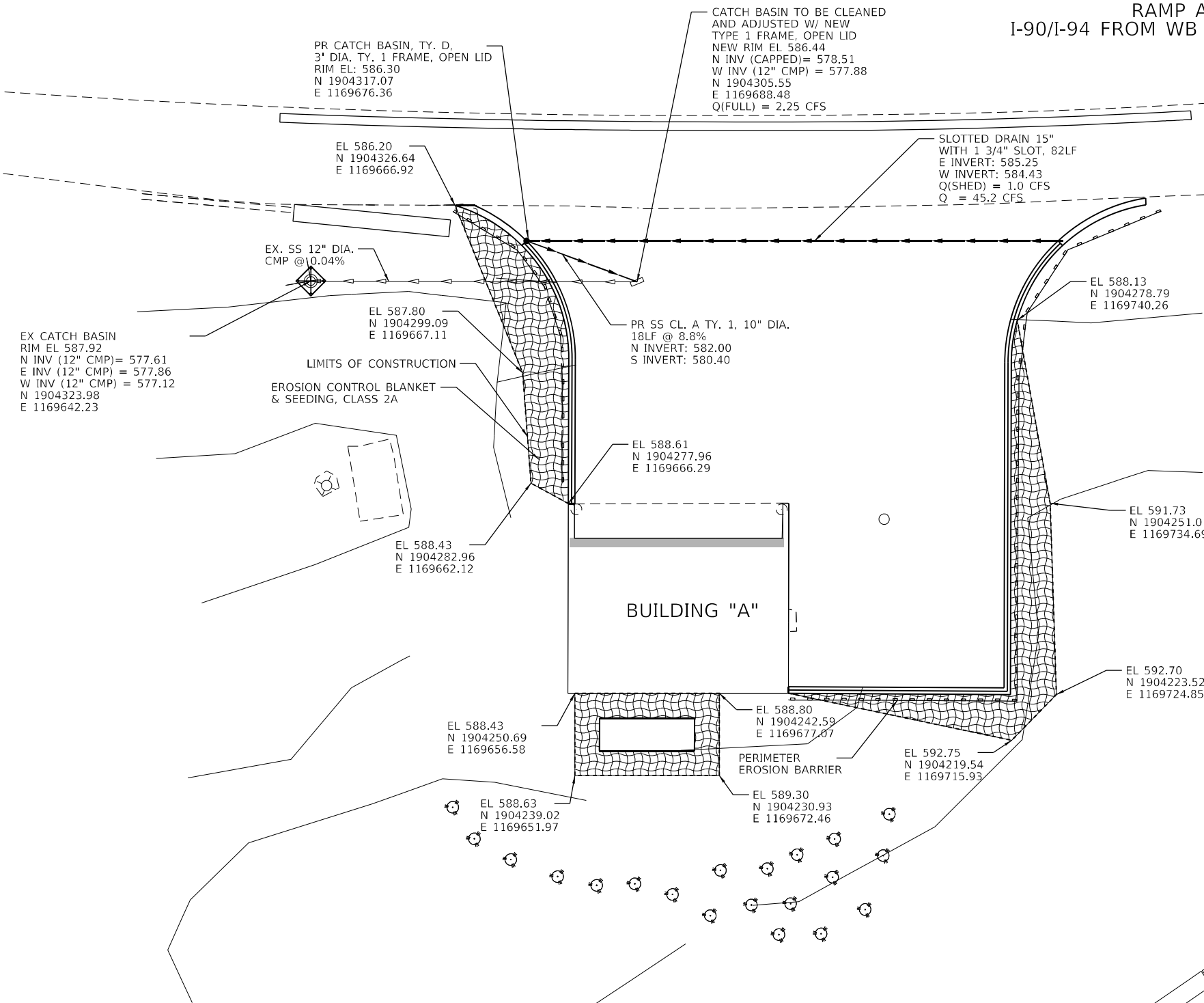
SCALE: 1" = 10' SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	288	34
CONTRACT NO.			60T46	
ILLINOIS FED. AID PROJECT				

S-06



**RAMP A  
I-90/I-94 FROM WB ONTARIO ST**



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 www.sdiengr.com

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PLOT DATE = 3/22/2022	CHECKED - OAO	REVISED -
	DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SITE REHABILITATION PLANS  
BUILDING A EROSION CONTROL, DRAINAGE AND LANDSCAPE**

SCALE: 1" = 10'    SHEET 7 OF 8 SHEETS    STA. TO STA.

F.A.I. RTE. 90/94	SECTION 2012-0081	COUNTY COOK	TOTAL SHEETS 268	SHEET NO. 35
CONTRACT NO. 60T46			ILLINOIS FED. AID PROJECT	

S-07





wangeng@wangeng.com  
1145 N Main Street  
Lombard, IL 60148  
Telephone: 630 953-9928  
Fax: 630 953-9928

### BORING LOG A-PB-01

WEI Job No.: 206-34-01

Client: **Jacobs**  
Project: **REVLAC Building Improvements**  
Location: **Chicago, IL**

Datum: NAVD 88  
Elevation: 587.99 ft  
North: 1904292.97 ft  
East: 1169667.72 ft  
Station: NA  
Offset: NA

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
587.5	6-inch thick, black SILTY LOAM --TOPSOIL--			6											
	Medium dense, brown SILTY LOAM, trace gravel; damp			11											
				9		NP	14								
586.2	--FILL-- --RDR 2--			12											
	Very stiff, brown to gray SILTY CLAY LOAM, trace gravel; moist			4											
	--FILL-- --RDR 2--			4		3.28	19								
				5		B									
				5											
583.0				10											
	Medium stiff to stiff, brown to gray SILTY CLAY, trace gravel; moist			3											
	--RDR 2--			3											
				3											
				2											
				2		1.56	23								
				2		B									
				3											
				1											
				2		0.82	23								
				1		B									
				1											
578.0	Boring terminated at 10.00 ft	10													

#### GENERAL NOTES

Begin Drilling: **08-23-2017** Complete Drilling: **08-23-2017**  
Drilling Contractor: **Wang Testing Services** Drill Rig: **CME55 TMR [85%]**  
Driller: **J & N** Logger: **H. Bista** Checked by: **C. Marin**  
Drilling Method: **2.25" ID HSA, backfilled upon completion**

#### WATER LEVEL DATA

While Drilling:  **DRY**  
At Completion of Drilling:  **DRY**  
Time After Drilling: **NA**  
Depth to Water:  **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENG 2063401.GPJ WANGENG.GDT 9/25/17



wangeng@wangeng.com  
1145 N Main Street  
Lombard, IL 60148  
Telephone: 630 953-9928  
Fax: 630 953-9928

### BORING LOG A-PB-02

WEI Job No.: 206-34-01

Client: **Jacobs**  
Project: **REVLAC Building Improvements**  
Location: **Chicago, IL**

Datum: NAVD 88  
Elevation: 588.15 ft  
North: 1904269.55 ft  
East: 1169721.08 ft  
Station: NA  
Offset: NA

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
587.6	6-inch thick, dark brown SILTY LOAM			1	10										
	--TOPSOIL--			3											
	Loose, dark brown SILTY LOAM; damp			3		NP	16								
586.4	--FILL-- --RDR 2--			5											
	Medium stiff, brown CLAY, trace gravel; moist			3											
	--L <sub>c</sub> (%)=49, P <sub>L</sub> (%)=21--			3		0.50	34								
	--%Gravel=2.3--			3		P									
	--%Sand=12.6--			4											
	--%Silt=46.9--			5											
	--%Clay=38.2--			5											
	--A-7-6 (25)--			5											
584.5				3		2.05	15								
	Medium stiff to very stiff, brown to gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; moist			3		B									
	--RDR 2--			3											
				2											
				2		1.23	22								
				4		B									
				4											
				4											
				1											
				2		0.82	22								
				3		B									
				3											
578.1	Boring terminated at 10.00 ft	10													

#### GENERAL NOTES

Begin Drilling: **08-23-2017** Complete Drilling: **08-23-2017**  
Drilling Contractor: **Wang Testing Services** Drill Rig: **CME55 TMR [85%]**  
Driller: **J & N** Logger: **H. Bista** Checked by: **C. Marin**  
Drilling Method: **2.25" ID HSA, backfilled upon completion**

#### WATER LEVEL DATA

While Drilling:  **DRY**  
At Completion of Drilling:  **DRY**  
Time After Drilling: **NA**  
Depth to Water:  **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENG 2063401.GPJ WANGENG.GDT 9/25/17

MODEL: Default FILE NAME: \\US1\AS0-APP0655\jacob\Documents\CX\2201\_REV\AC\_Rehab\Rehab-Phase II\CX\2201\Contract 60T46\700\_CADD\Sheet\60T46-SHT-BORING LOG-A\_02.dgn



USER NAME = korabmp	DESIGNED - WANG	REVISED -
PLOT SCALE = 20:0.0000	DRAWN - WANG	REVISED -
PLOT DATE = 3/22/2022	CHECKED - WANG	REVISED -
	DATE - 1/27/2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS  
BUILDING A

SCALE: NTS SHEET 1 OF 4 SHEETS STA. N/A TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	37
CONTRACT NO. 60T46				
ILLINOIS FED. AID PROJECT				



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Fax: 630 953-9928

### BORING LOG A-GB-01

WEI Job No.: 206-34-01

Client: **Jacobs**  
Project: **REVLAC Building Improvements**  
Location: **Chicago, IL**

Datum: NAVD 88  
Elevation: 588.42 ft  
North: 1904238.16 ft  
East: 1169662.60 ft  
Station: NA  
Offset: NA

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
587.9	6-inch thick, black SILTY LOAM; dry	2		1	2										
	--TOPSOIL--	4													
586.9	Medium dense, brown and gray SILTY LOAM, little gravel; damp	10				NP	12								
	--RDR 2--	7													
	Very stiff, brown and gray SILTY CLAY LOAM, little gravel	2		2	2	3.00	16								
	--RDR 2--	4													
	-Auger refusal-	20/2"													
584.4	Boring terminated at 4.00 ft														

#### GENERAL NOTES

Begin Drilling **08-23-2017** Complete Drilling **08-23-2017**  
Drilling Contractor **Wang Testing Services** Drill Rig **CME55 TMR [85%]**  
Driller **J & N** Logger **H. Bista** Checked by **C. Marin**  
Drilling Method **2.25" ID HSA, backfilled upon completion**

#### WATER LEVEL DATA

While Drilling  **DRY**  
At Completion of Drilling  **DRY**  
Time After Drilling **NA**  
Depth to Water  **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 2069401.GPJ WANGENG.GDT 9/25/17



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### BORING LOG C-GB-01

WEI Job No.: 206-34-01

Client: **Jacobs**  
Project: **REVLAC Building Improvements**  
Location: **Chicago, IL**

Datum: NAVD 88  
Elevation: 611.51 ft  
North: 1918780.35 ft  
East: 1157688.61 ft  
Station: NA  
Offset: NA

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	Brown SILTY CLAY LOAM to SILTY LOAM; dry			1		NP	10								
	--L <sub>L</sub> (%)=33, P <sub>L</sub> (%)=17-- --%Gravel=8.5-- --%Sand=19.7-- --%Silt=47.1-- --%Clay=24.7-- --A-6 (10)--			2		3.50	12								
607.5	Stiff, gray SILTY CLAY, trace gravel	5		3		2.00	17								
605.5	Boring terminated at 6.00 ft														

#### GENERAL NOTES

Begin Drilling **08-23-2017** Complete Drilling **08-23-2017**  
Drilling Contractor **Wang Testing Services** Drill Rig **GEOPROBE**  
Driller **J & N** Logger **H. Bista** Checked by **C. Marin**  
Drilling Method **1" IDA Pneumatic Geoprobe LB Sampler**

#### WATER LEVEL DATA

While Drilling  **DRY**  
At Completion of Drilling  **DRY**  
Time After Drilling **NA**  
Depth to Water  **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 2069401.GPJ WANGENG.GDT 9/25/17

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USER NAME = korabmp	DESIGNED - WANG	REVISED -
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PLOT SCALE = 20:0.0000	CHECKED - WANG	REVISED -
PLOT DATE = 3/22/2022	DATE - 1/27/2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS  
BUILDING A & C

SCALE: NTS SHEET 2 OF 4 SHEETS STA. N/A TO STA. N/A

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	38
CONTRACT NO. 60T46				
ILLINOIS FED. AID PROJECT				



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### BORING LOG D-GB-01

WEI Job No.: 206-34-01

Client: **Jacobs**  
Project: **REVLAC Building Improvements**  
Location: **Chicago, IL**

Datum: NAVD 88  
Elevation: 604.29 ft  
North: 1919764.05 ft  
East: 1156424.14 ft  
Station: NA  
Offset: NA

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		Brown SANDY GRAVEL; dry			1	PUSH	NP	7									
	601.3	Very stiff, brown and gray CLAY LOAM, little gravel --L <sub>L</sub> (%)=36, P <sub>L</sub> (%)=17-- --%Gravel=10.8-- --%Sand=24.0-- --%Silt=38.9-- --%Clay=26.2-- --A-6 (10)--			2	PUSH	3.00 P	15									
	600.3																
		Boring terminated at 4.00 ft															

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-23-2017	Complete Drilling	08-23-2017	While Drilling	▽	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	GEOPROBE	At Completion of Drilling	▽	DRY	
Driller	J & N	Logger	H. Bista	Time After Drilling		NA	
Checked by	C. Marin	Drilling Method	1" IDA Pneumatic Geoprobe LB Sampler	Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

WANGENG 2063401.GPJ WANGENG.GDT 9/25/17



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### BORING LOG E-GB-01

WEI Job No.: 206-34-01

Client: **Jacobs**  
Project: **REVLAC Building Improvements**  
Location: **Chicago, IL**

Datum: NAVD 88  
Elevation: 597.73 ft  
North: 1929831.45 ft  
East: 1143955.32 ft  
Station: NA  
Offset: NA

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		Brown GRAVELLY SAND to SANDY GRAVEL; dry to damp			1	PUSH	NP	7									
					2	PUSH	NP	4									
					3	PUSH	NP	9									
	591.7	Boring terminated at 6.00 ft															

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-23-2017	Complete Drilling	08-23-2017	While Drilling	▽	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	GEOPROBE	At Completion of Drilling	▽	DRY	
Driller	J & N	Logger	H. Bista	Time After Drilling		NA	
Checked by	C. Marin	Drilling Method	1" IDA Pneumatic Geoprobe LB Sampler	Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

WANGENG 2063401.GPJ WANGENG.GDT 9/25/17

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PLOT SCALE	= 20:0,0000	CHECKED	- WANG	REVISED	-
PLOT DATE	= 3/22/2022	DATE	- 1/27/2022	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS  
BUILDING D & E

SCALE: NTS SHEET 3 OF 4 SHEETS STA. N/A TO STA. N/A

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	39
CONTRACT NO.			60T46	
ILLINOIS FED. AID PROJECT				



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### BORING LOG E-PB-01

WEI Job No.: 206-34-01

Client: **Jacobs**  
Project: **REVLAC Building Improvements**  
Location: **Chicago, IL**

Datum: NAVD 88  
Elevation: 588.07 ft  
North: 1929882.40 ft  
East: 1143967.92 ft  
Station: NA  
Offset: NA

Page 1 of 1

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	585.6	Medium dense, brown GRAVELLY SANDY LOAM; dry --RDR 2--	5 12 9 7		1	5 12 9 7	NP	9									
	585.6	Stiff, gray CLAY to SILTY CLAY, trace gravel --RDR 2--	12 3 3 4		2	12 3 3 4	1.97 B	18									
		--L <sub>1</sub> (%)=35, P <sub>L</sub> (%)=16-- --%Gravel=3.6-- --%Sand=10.7-- --%Silt=46.1-- --%Clay=39.7-- --A-6 (15)--	2 4 5 6		3	2 4 5 6	1.64 B	21									
			3 5 5 8		4	3 5 5 8	1.97 B	20									
			3 4 6 7		5	3 4 6 7	1.80 B	16									
	578.1	Boring terminated at 10.00 ft	10														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-23-2017	Complete Drilling	08-23-2017	While Drilling	∇	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	CME55 TMR [85%]	At Completion of Drilling	∇	DRY	
Driller	J & N	Logger	H. Bista	Checked by	C. Marin	Time After Drilling	NA
Drilling Method	2.25" ID HSA, backfilled upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							



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### BORING LOG E-PB-02

WEI Job No.: 206-34-01

Client: **Jacobs**  
Project: **REVLAC Building Improvements**  
Location: **Chicago, IL**

Datum: NAVD 88  
Elevation: 586.52 ft  
North: 1929867.50 ft  
East: 1144002.14 ft  
Station: NA  
Offset: NA

Page 1 of 1

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	585.5	Stiff, black and brown SILTY CLAY LOAM, some gravel (Qu=1.5 tsf)	3 4		1	3 4	NP	3									
		Loose to medium dense, yellowish brown GRAVELLY SAND; damp --RDR 2--	11 10		2	11 10	NP	4									
			11 10 10		3	11 10 10	NP	5									
			8 6 5 5		4	8 6 5 5	NP	5									
			4 3 2 2		5	4 3 2 2	NP	5									
			4 2 3 4		6	4 2 3 4	NP	6									
	576.5	Boring terminated at 10.00 ft	10														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-23-2017	Complete Drilling	08-23-2017	While Drilling	∇	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	CME55 TMR [85%]	At Completion of Drilling	∇	DRY	
Driller	J & N	Logger	H. Bista	Checked by	C. Marin	Time After Drilling	NA
Drilling Method	2.25" ID HSA, backfilled upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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WANGENGINC\_2063401\_GPJ\_WANGENG.GDT 9/25/17



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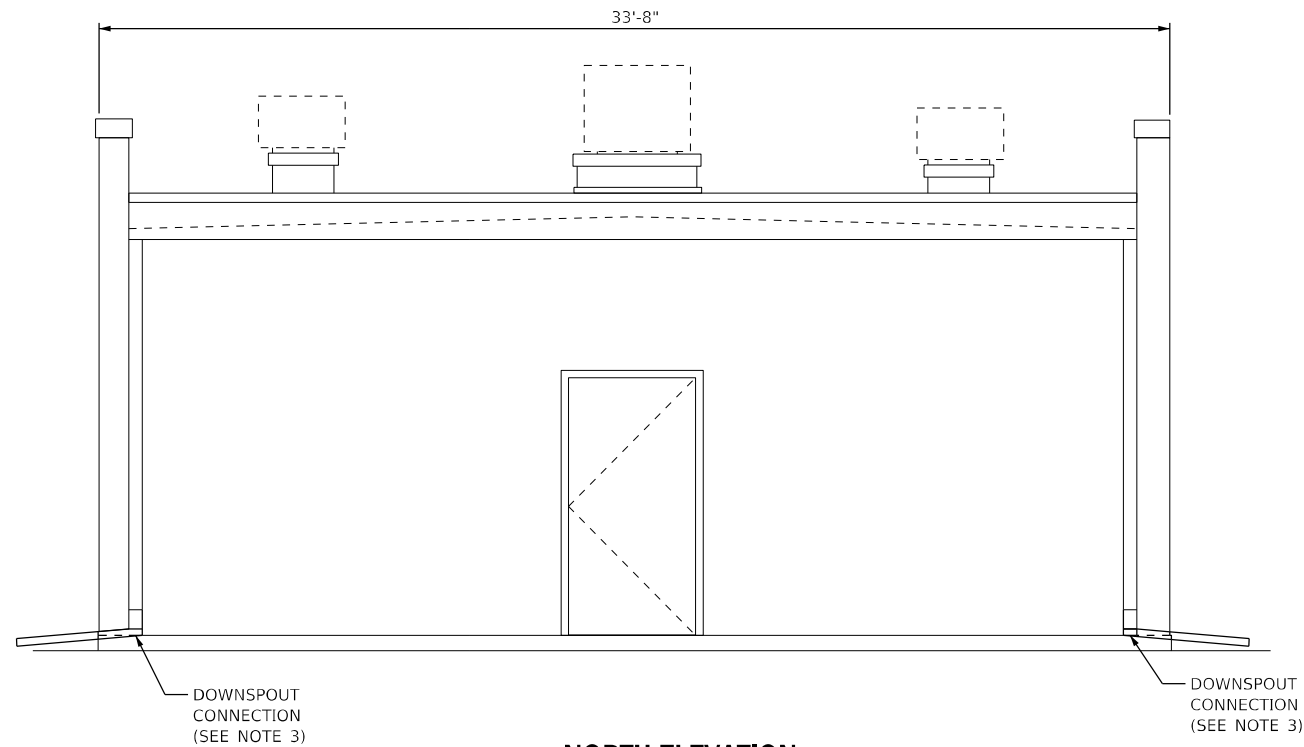
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS  
BUILDING E

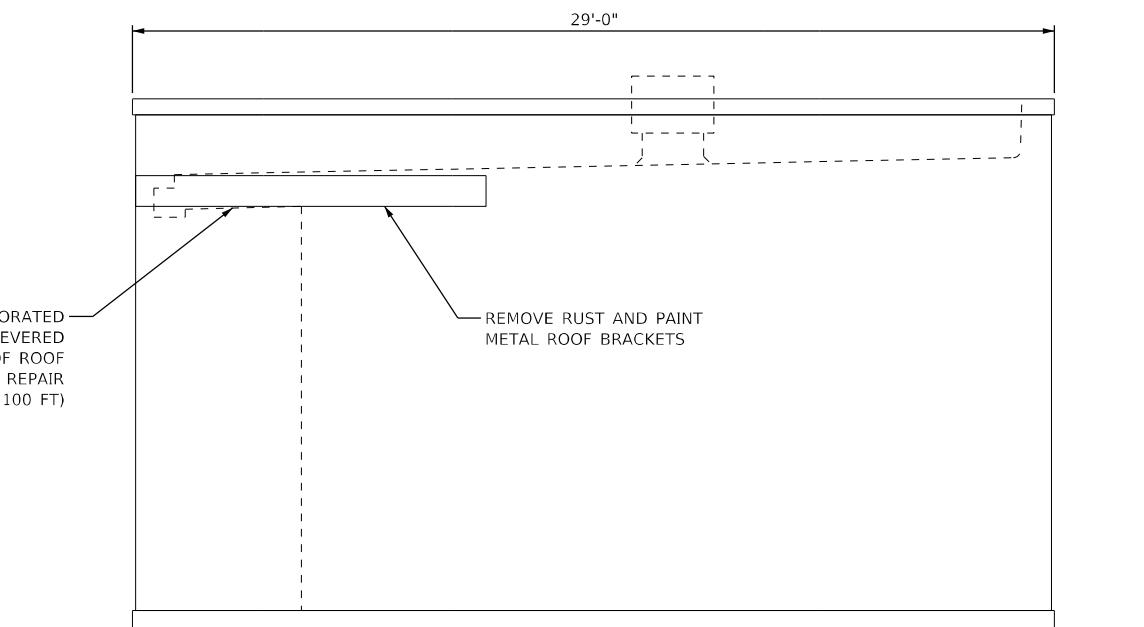
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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	40
CONTRACT NO.			60T46	
ILLINOIS FED. AID PROJECT				

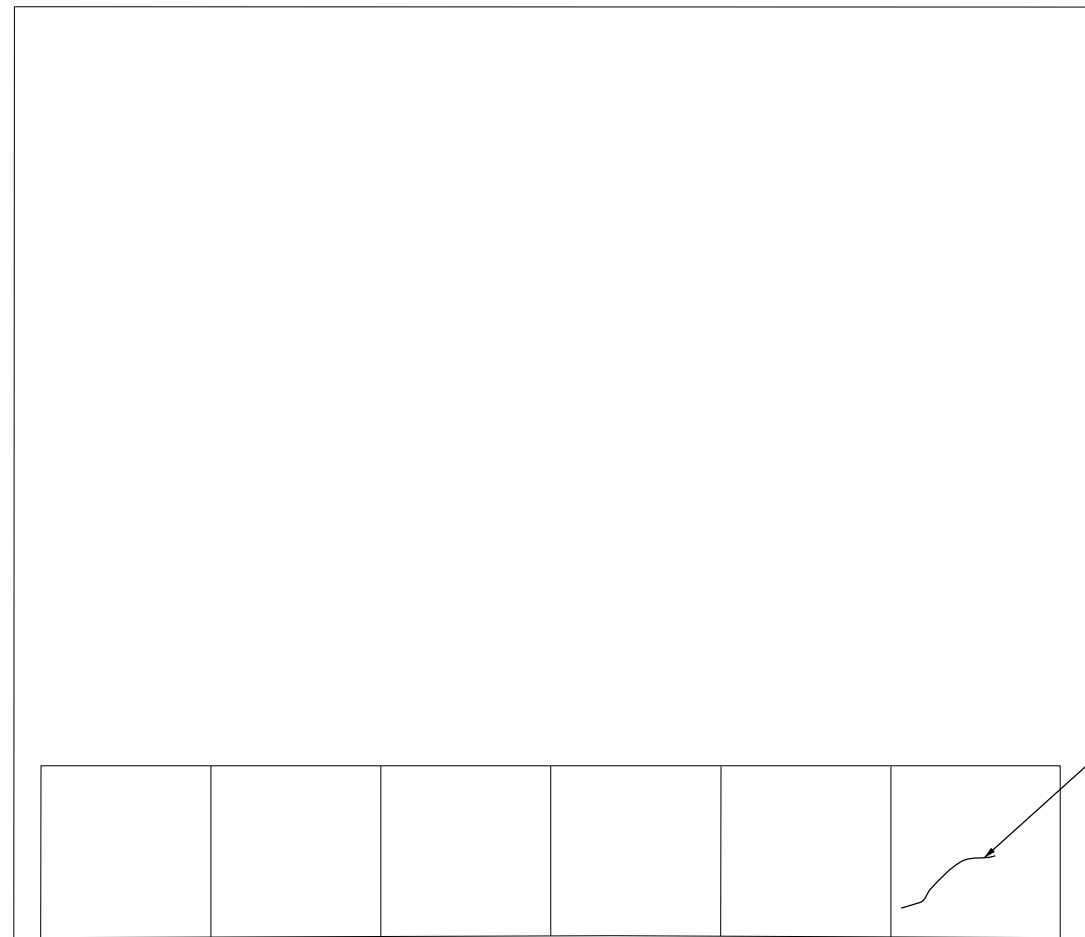




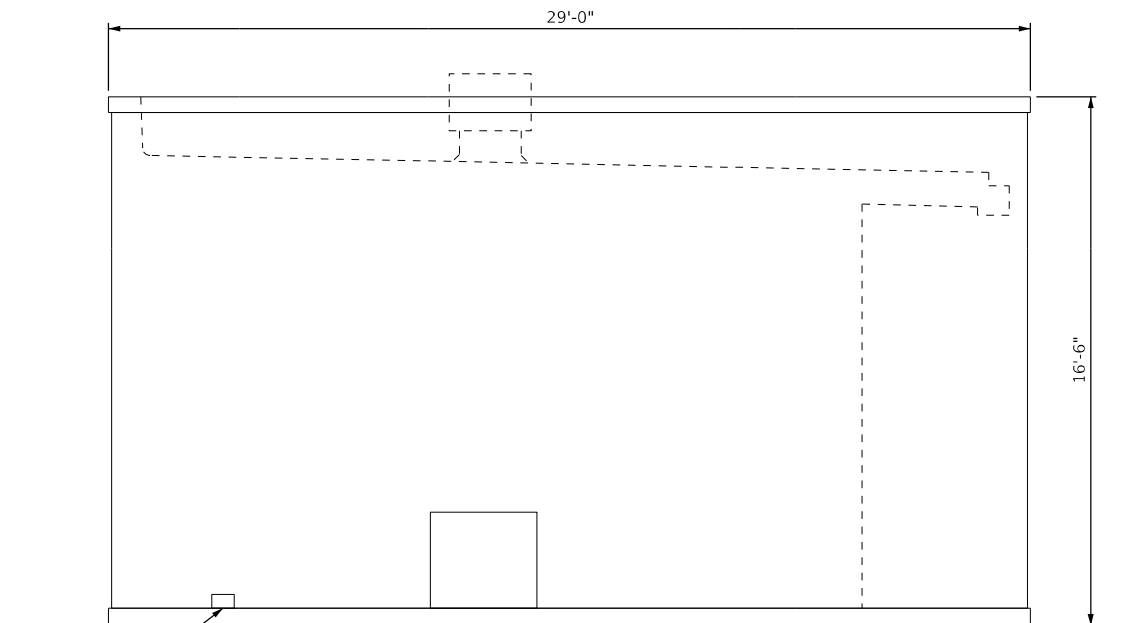
**NORTH ELEVATION**



**WEST ELEVATION**



**PLAN VIEW**



**EAST ELEVATION**

- NOTES:**
1. THE CONTRACTOR SHALL COORDINATE REPAIRS WITH NEW GENERATOR INSTALLATION, HVAC REPAIRS AND ELECTRICAL BUILDING UPGRADES.
  2. EPOXY CRACK INJECTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
  3. EXTEND GUTTER 15 FT. DIRECTING WATER AWAY FROM BUILDING ENVELOPE.

P:\Projects\116161\116161.dwg

**Jacobs**

525 W. Monroe, Suite 1600, Chicago, IL 60661

USER NAME = HANNARS	DESIGNED - MPK	REVISED -
DRAWN - MPK	REVISIONS	
PLOT SCALE = 100.00' / in.	CHECKED - RAS	REVISED -
PLOT DATE = 5/10/2022	DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUILDING REPAIR PLANS  
REVLAC BUILDING A**

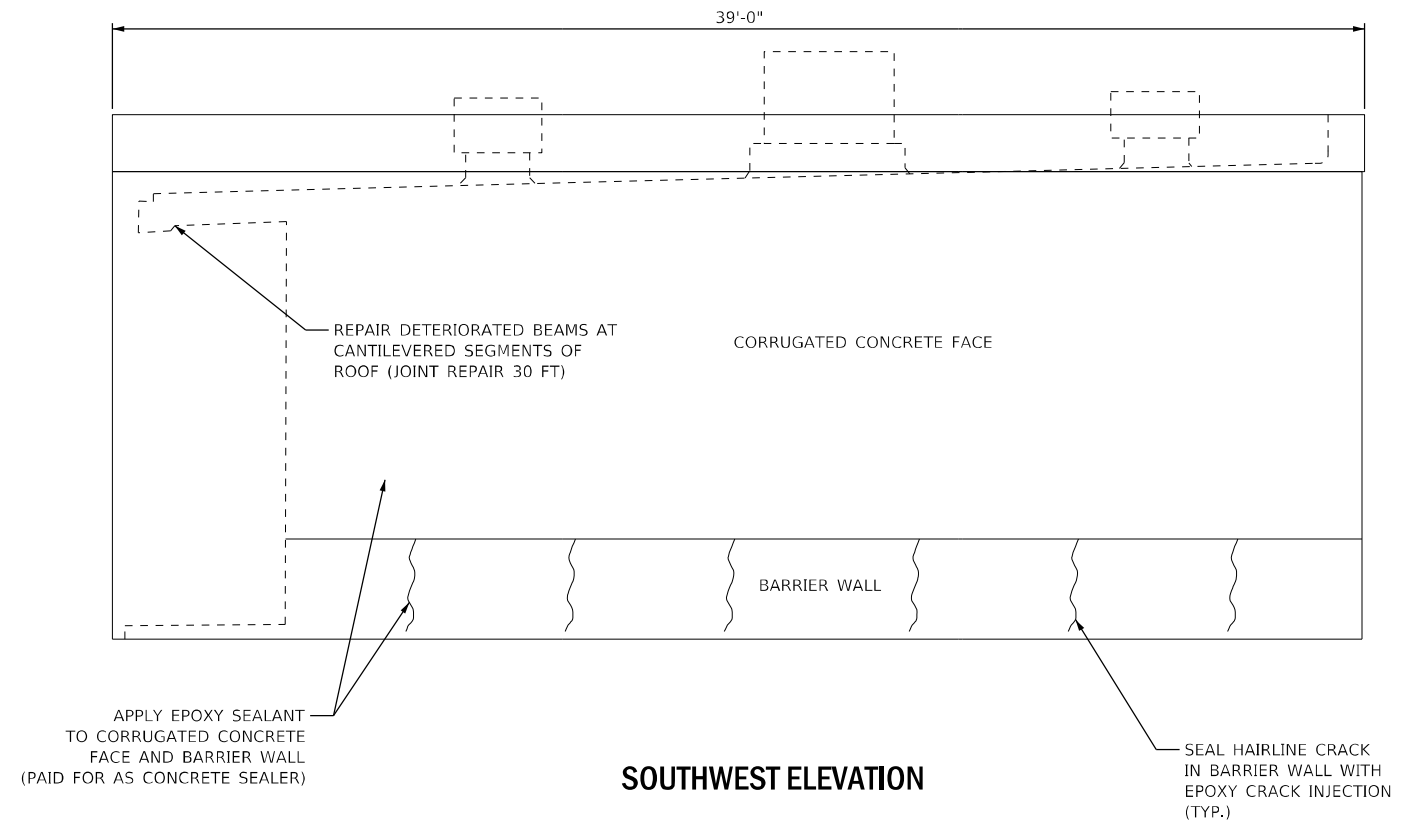
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P.A. II RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-008I	COOK	268	41
CONTRACT NO.			60T46	
ILLINOIS FED. AID PROJECT				

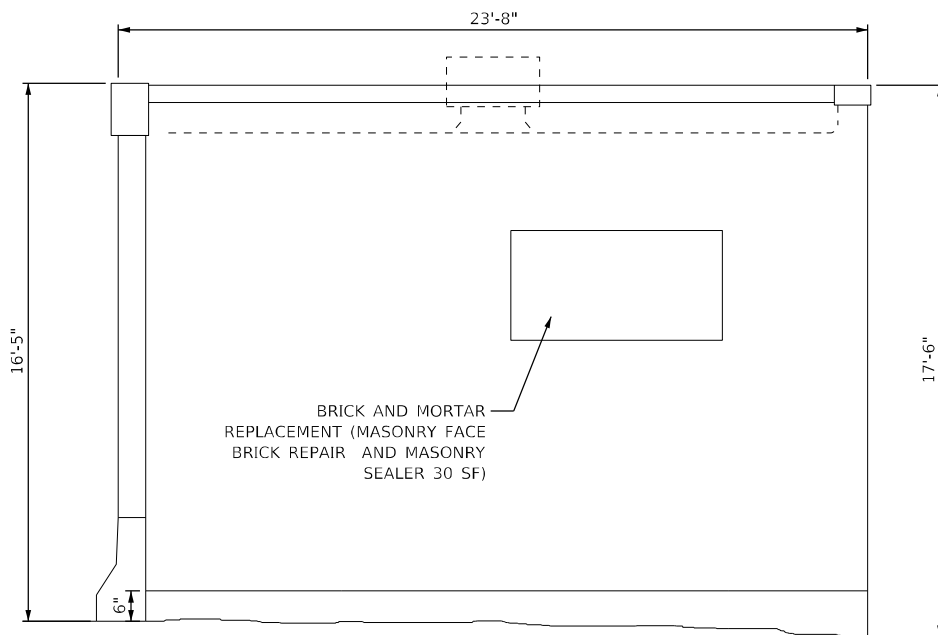
A-01



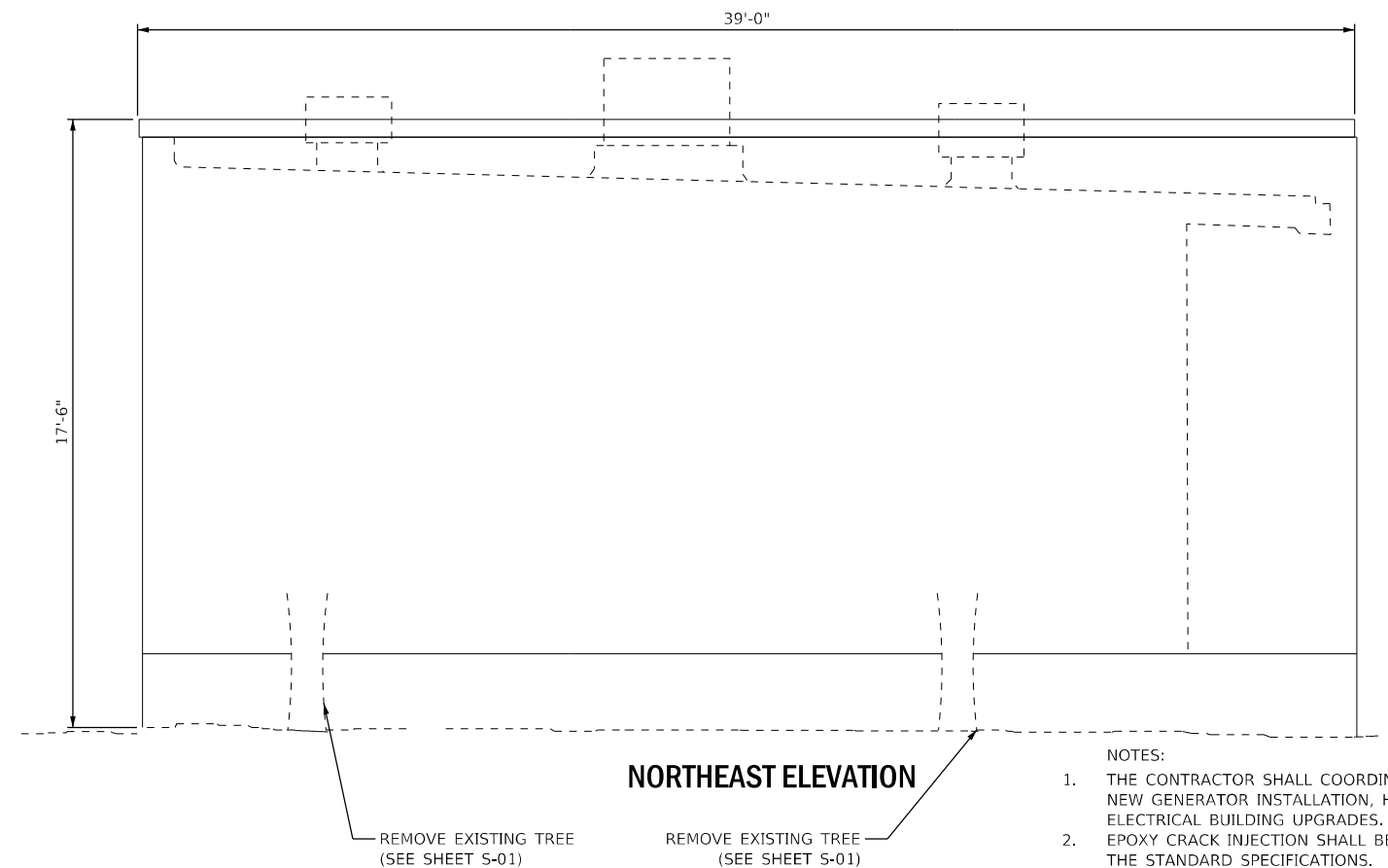
PLAN VIEW



SOUTHWEST ELEVATION



SOUTHEAST ELEVATION



NORTHEAST ELEVATION

- NOTES:
1. THE CONTRACTOR SHALL COORDINATE REPAIRS WITH NEW GENERATOR INSTALLATION, HVAC REPAIRS AND ELECTRICAL BUILDING UPGRADES.
  2. EPOXY CRACK INJECTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
  3. THE CONTRACTOR SHALL MATCH REPLACEMENT BRICK WITH EXISTING BRICK. A SAMPLE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

A-02

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**Jacobs**

525 W. Monroe, Suite 1600, Chicago, IL 60661

USER NAME = HANNARS	DESIGNED - MPK	REVISED -
	DRAWN - MPK	REVISED -
PLOT SCALE = 100.00' / in.	CHECKED - RAS	REVISED -
PLOT DATE = 5/10/2022	DATE - 1/27/2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

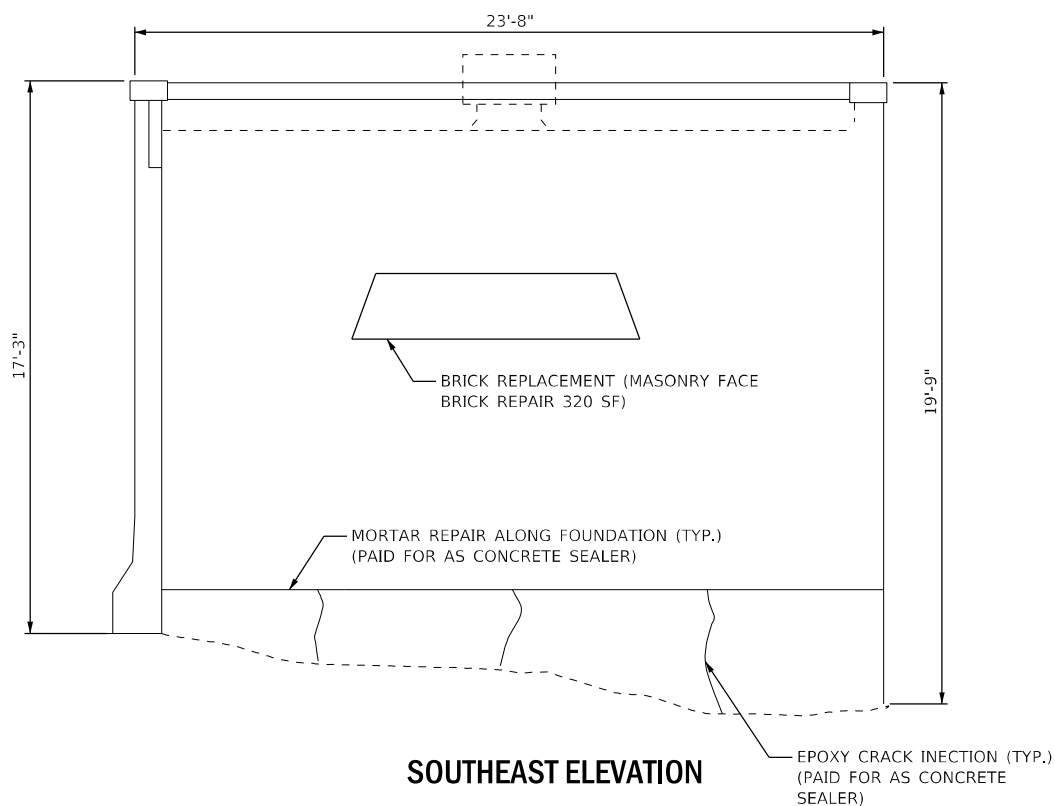
BUILDING REPAIR PLANS  
REVLAC BUILDING C

SCALE: NTS SHEET 2 OF 4 SHEETS STA. N/A TO STA. N/A

P.A. II RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-008I	COOK	258	42
CONTRACT NO.			60T46	
ILLINOIS		FED. AID PROJECT		



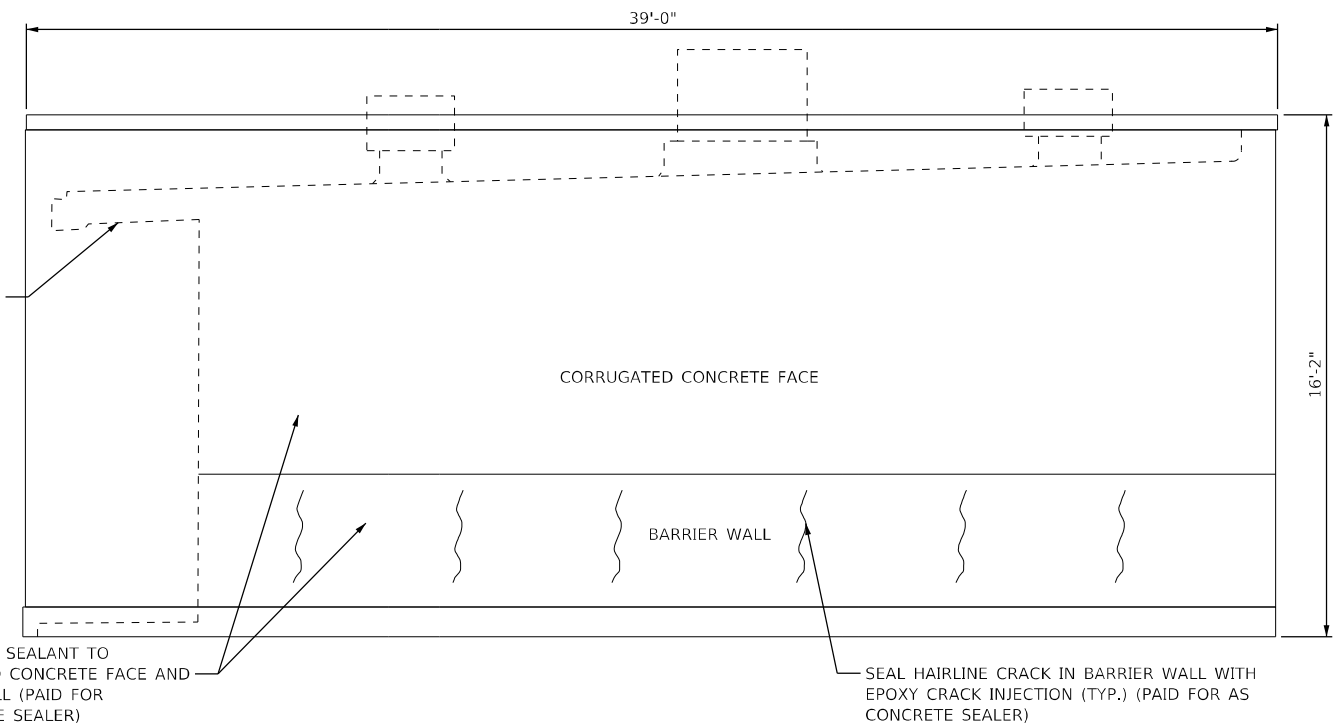
PLAN VIEW



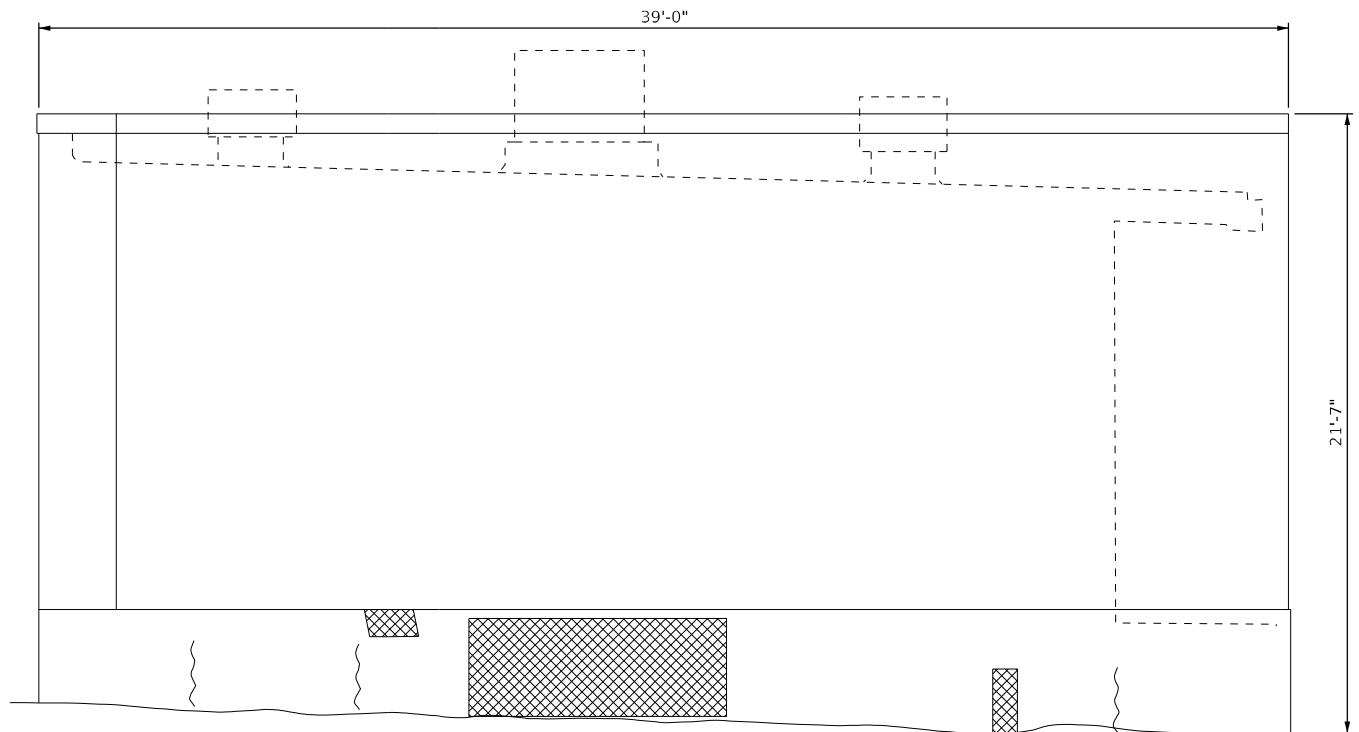
SOUTHEAST ELEVATION

REPAIR DETERIORATED  
BEAMS AT CANTILEVERED  
SEGMENTS OF ROOF  
BEAMS (JOINT REPAIR  
30 FT)

APPLY EPOXY SEALANT TO  
CORRUGATED CONCRETE FACE AND  
BARRIER WALL (PAID FOR  
AS CONCRETE SEALER)



SOUTHWEST ELEVATION



NORTHEAST ELEVATION

NOTES:

1. THE CONTRACTOR SHALL COORDINATE REPAIRS WITH NEW GENERATOR INSTALLATION, HVAC REPAIRS AND ELECTRICAL BUILDING UPGRADES.
2. EPOXY CRACK INJECTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
3. THE CONTRACTOR SHALL MATCH REPLACEMENT BRICK WITH EXISTING BRICK. A SAMPLE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

A-03

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**Jacobs**

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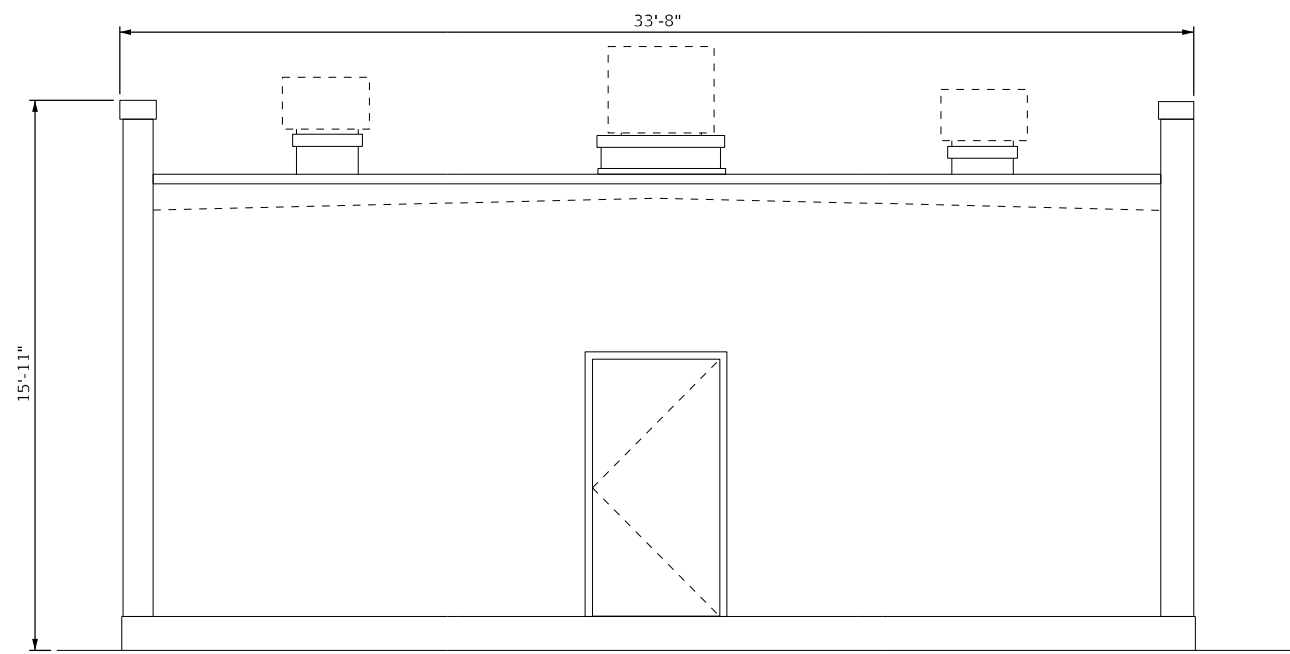
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	DRAWN - MPK	REVISED -
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PLOT DATE = 5/10/2022	DATE - 1/27/2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

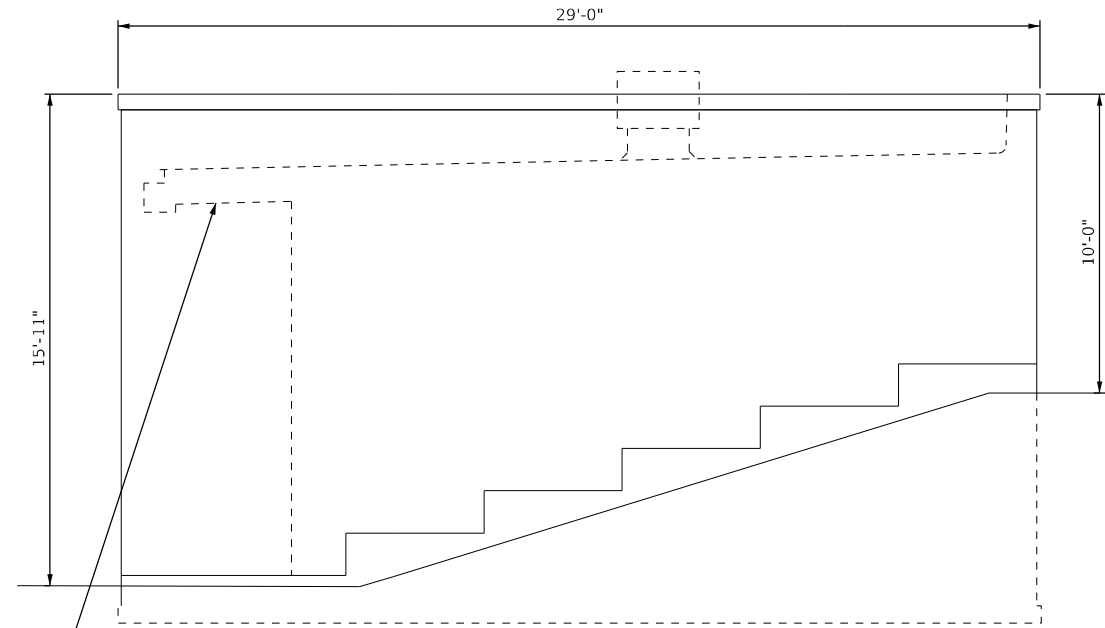
BUILDING REPAIR PLANS  
REVLAC BUILDING D

SCALE: NTS SHEET 3 OF 4 SHEETS STA. N/A TO STA. N/A

P.A. II RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-008I	COOK	258	43
CONTRACT NO.			60T46	
ILLINOIS FED. AID PROJECT				

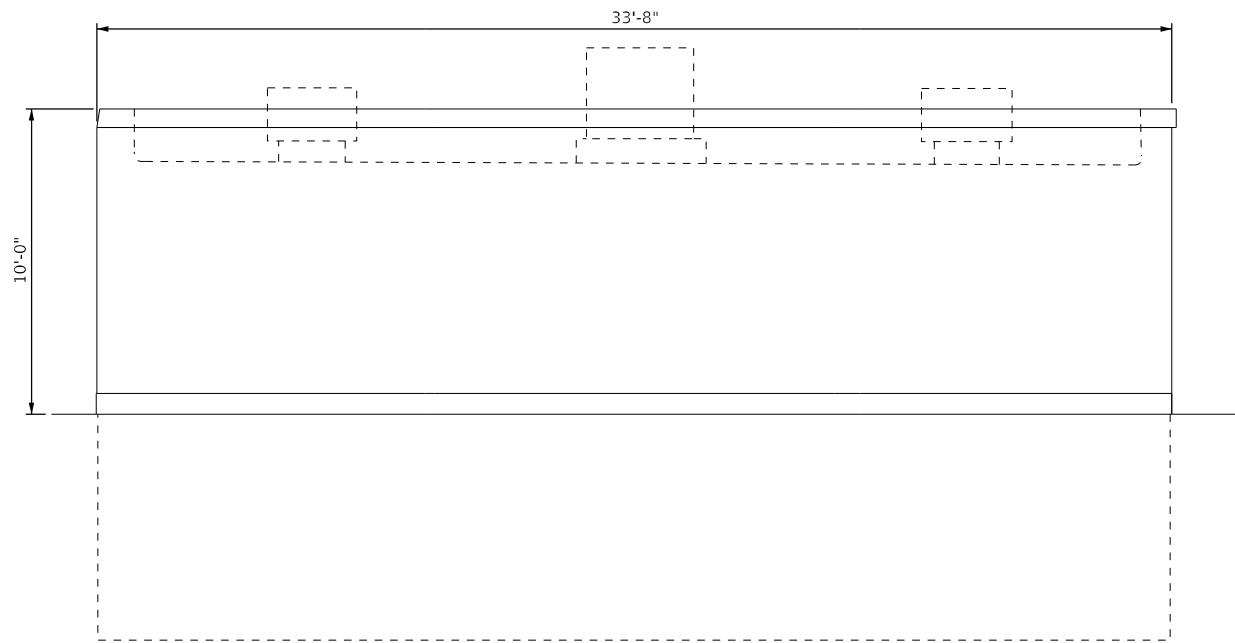


**NORTHEAST ELEVATION**

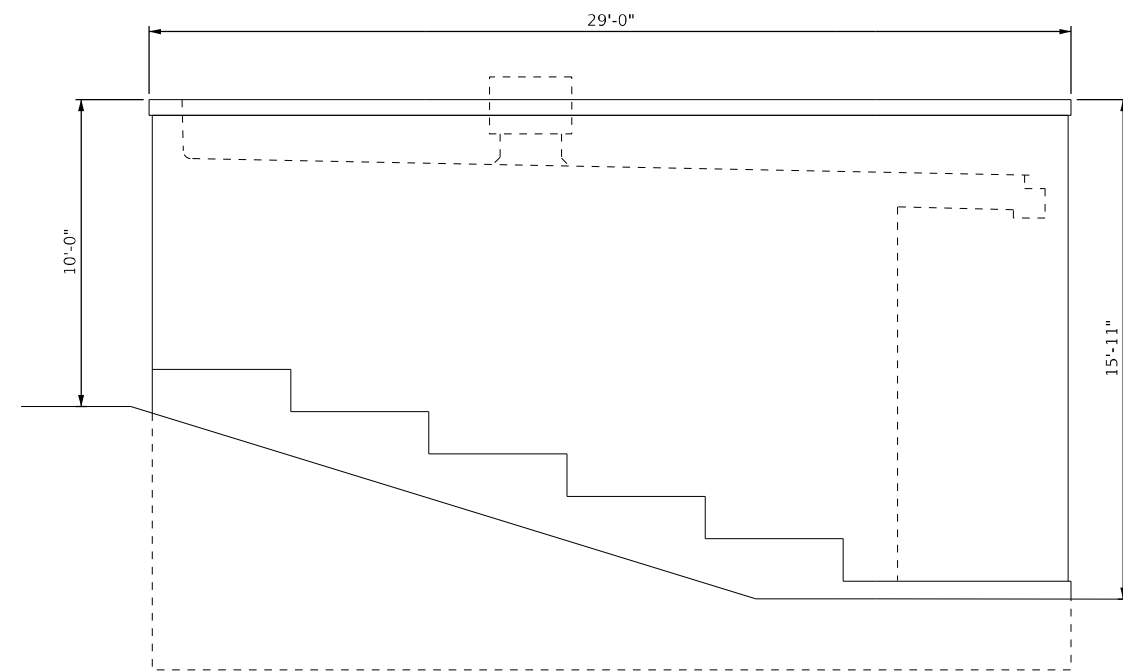


**NORTHWEST ELEVATION**

REPAIR DETERIORATED JOINTS AT CANTILEVERED SEGMENTS OF ROOF BEAMS (JOINT REPAIR 120 FT)



**SOUTHWEST ELEVATION**



**SOUTHEAST ELEVATION**

- NOTES:
1. THE CONTRACTOR SHALL COORDINATE REPAIRS WITH NEW GENERATOR INSTALLATION, HVAC REPAIRS AND ELECTRICAL BUILDING UPGRADES.
  2. EPOXY CRACK INJECTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

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**Jacobs**  
525 W. Monroe, Suite 1600, Chicago, IL 60661

USER NAME = HANNARS	DESIGNED - MPK	REVISED -
DRAWN - MPK	CHECKED - RAS	REVISED -
PLOT SCALE = 100.00' / in.	DATE - 1/27/2022	REVISED -
PLOT DATE = 5/10/2022		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUILDING REPAIR PLANS  
REVLAC BUILDING E**

SCALE: NTS    SHEET 4 OF 4 SHEETS    STA. N/A TO STA. N/A

P.A. II RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-008I	COOK	268	44
CONTRACT NO.			60T46	
ILLINOIS FED. AID PROJECT				

A-04

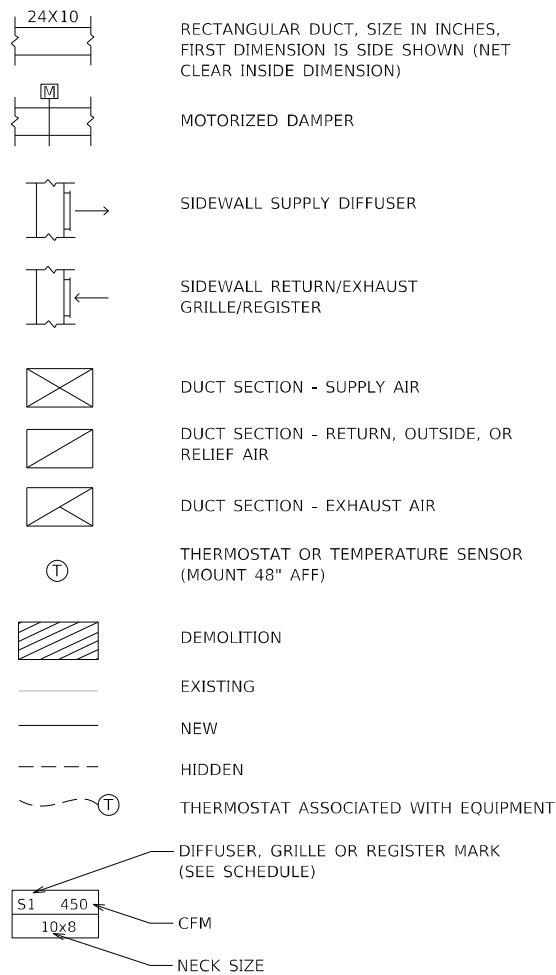
**GENERAL NOTES:**

- ALL ITEMS SHOWN ARE NOT NECESSARILY USED ON THIS PROJECT.
- ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS.
- PIPING AND DUCTWORK SHALL NOT BE ROUTED IN THE DEDICATED ELECTRICAL SPACE AT OR ABOVE ELECTRICAL SWITCHBOARDS, DISTRIBUTION PANELS, MOTOR CONTROL CENTERS, ETC. PER THE NATIONAL ELECTRICAL CODE, LATEST EDITION.
- COORDINATE ALL MECHANICAL EQUIPMENT, DUCTS, PIPING, ETC. WITH OTHER DISCIPLINES.
- COORDINATE ALL CEILING CAP, WALL, PARTITION PENETRATIONS WITH STRUCTURAL AND ARCHITECTURAL.
- VERTICAL AND HORIZONTAL OFFSETS SHOWN IN DUCTS INDICATE GENERAL RELATIONSHIP OF THE LOCATION OF SYSTEMS. PROVIDE ADDITIONAL OFFSETS SIMILAR TO THOSE SHOWN TO SUIT CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER OR PROJECT. COORDINATE WITH OTHER TRADES.
- CONTROLS, DAMPERS, FANS, ETC. SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS. PROVIDE ADEQUATELY SIZED ACCESS DOORS WHERE REQUIRED TO PROVIDE EQUIPMENT ACCESS.
- WHERE FLEXIBLE DUCT CONNECTORS ARE USED THEY SHALL BE EQUAL IN CROSS SECTIONAL AREA TO DUCTS SHOWN. MAXIMUM ALLOWABLE LENGTH SHALL BE 5'-0".
- PROVIDE MANUAL VOLUME DAMPER WITH LOCKING QUADRANT AT ALL BRANCH TAKEOFFS (SUPPLY AND RETURN) TO PROPERLY BALANCE EACH SYSTEM.
- MOUNT ALL PIPING, EQUIPMENT, DUCTWORK, ETC. AS HIGH AS POSSIBLE IN ALL AREAS WITH AND WITHOUT CEILINGS UNLESS OTHERWISE NOTED. ATTACH ALL HANGER SUPPORTS TO STRUCTURAL STEEL OR PROVIDE MISCELLANEOUS FRAMING ATTACHED TO ROOF BEAMS/JOISTS. UNDER NO CIRCUMSTANCES MAY HANGER BE SUPPORTED FROM THE ROOF DECK.
- INSTALL PIPING AND DUCTWORK TO AVOID ARCHITECTURAL FRAMING, STRUCTURAL MEMBERS AND OTHER CONSTRUCTION, AND PROVIDE NECESSARY FITTINGS AND OFFSETS. COORDINATE DUCT AND PIPING LAYOUT WITH OTHER TRADES BEFORE SHOP DRAWING SUBMITTAL, FABRICATION, AND INSTALLATION.
- EQUIPMENT INDICATED ON THE CONSTRUCTION DRAWINGS REPRESENTS A PROPOSED CONFIGURATION. CONTRACTORS AND THEIR EQUIPMENT SUPPLIERS SHALL PROPOSE EQUIPMENT BASED UPON THEIR EQUIPMENT BEING PROVIDED. ADJUSTING WALL AND ROOF OPENINGS, STEEL SUPPORTS, ELECTRICAL REQUIREMENTS, CONTROLS, LOCATIONS, ETC. FROM THE PROPOSED CONFIGURATIONS IS THE CONTRACTOR'S RESPONSIBILITY WITH NO COST IMPACT TO THE PROJECT.
- CONDUITS, PIPING, AND SLEEVES PLACED IN CMU SHALL BE NO CLOSER THAN 3 DIAMETERS ON CENTER. VERTICAL CONDUITS, PIPE, AND SLEEVES PLACED IN CMU AND PARALLEL TO THE WALL PLANE SHALL NOT BE LARGER THAN 1-1/4" OUTSIDE DIAMETER. PIPES SHALL NOT BE EMBEDDED IN CMU WHEN:
  - CONTAINING LIQUID, GAS, OR VAPORS AT TEMPERATURE HIGHER THAN 150 DEGREES F.
  - UNDER PRESSURE IN EXCESS OF 55 PSI.
  - CONTAINING WATER OR OTHER LIQUIDS SUBJECT TO FREEZING. CONDUITS, PIPES AND SLEEVES PLACED IN CMU AND RUNNING PARALLEL TO REINFORCEMENT BARS SHALL BE SPACED A MINIMUM OF 3" CLEAR FROM REINFORCEMENT BARS. HORIZONTAL CONDUITS, PIPES, AND SLEEVES PLACED IN INDIVIDUAL HORIZONTAL LAYERS AND OFFSET VERTICALLY FROM ONE ANOTHER A DISTANCE OF 3 DIAMETERS ON CENTER.
- SYSTEM SPECIALIST:
  - DESIGNATE COMPETENT STAFF TO BE RESPONSIBLE FOR THE SUCCESSFUL COORDINATION AND INSTALLATION OF EACH SYSTEM PROVIDED UNDER BUILDING MECHANICAL HVAC WORK.
  - COORDINATE REQUIREMENTS FOR SUCCESSFUL OPERATION AND INTERACTION WITH SYSTEMS AND EQUIPMENT FURNISHED UNDER OTHER DISCIPLINES, WITH WORK OF OWNER'S SEPARATE CONTRACTORS AND WITH THE OWNER'S FUNCTIONAL PROGRAM COMPONENTS.
  - PROMPTLY INFORM THE ENGINEER OF ANY CONDITION THAT MAY PREVENT A SYSTEM FROM DELIVERING THE REQUIRED PERFORMANCE.

**GENERAL NOTES (CONT.):**

- PRIOR TO SUBMITTING PRODUCT DATA, COORDINATE PRODUCT ATTRIBUTES WITH ANY ELEMENT OF THE SYSTEM IN WHICH IT IS INCORPORATED AND ANY OTHER SYSTEM THAT DEPENDS UPON THE PRODUCT FOR PROPER PERFORMANCE, ALIGNMENT OR OPERATION. PROMPTLY INFORM THE OWNER'S REPRESENTATIVE OF ANY CONDITION THAT MAY INTERFERE WITH THE ACHIEVEMENT OF A SATISFACTORY RESULT BEFORE RELEASING THE PRODUCT FOR MANUFACTURE OR FABRICATION.
- SELECT, INSTALL, PROGRAM, AND ADJUST CONTROL, COMPONENTS, SEQUENCES, ALGORITHMS AND SOFTWARE TO ACHIEVE COMFORT, MINIMUM ENERGY CONSUMPTION AND MAXIMUM HVAC EQUIPMENT LIFE. COMFORT IS DEFINED AS STABLE TEMPERATURE, HUMIDITY, VENTILATION, ROOM AIR MOTION, AND NOISE WITHIN APPROVED DESIGN PARAMETERS. DEMONSTRATE SUCCESSFUL COMPLETION OF CONTROL WORK WITH TREND PLOTS FOR EACH CONTROL SEQUENCE COVERING A PERIOD OF 168 HOURS OPERATION UNDER NORMAL OPERATING LOADS AND SCHEDULES DURING PERIODS OF PEAK COOLING AND HEATING WEATHER AS WELL AS MID-SEASON CONDITIONS.
- ALL LOW VOLTAGE WIRING, CONDUIT, TRANSFORMERS, AND COMPONENTS FOR BUILDING AUTOMATION SYSTEM AND EQUIPMENT CONTROLS SHALL BE PROVIDED UNDER BUILDING MECHANICAL HVAC WORK. POWER TO TRANSFORMER AND CONTROL PANELS AS REQUIRED SHALL BE PROVIDED UNDER BUILDING MECHANICAL HVAC WORK FROM CIRCUITS PROVIDED FOR THE PURPOSE IN ELECTRICAL ROOMS.

**LEGEND**



**MECHANICAL ABBREVIATIONS**

ACU	AIR CONDITIONING UNIT	MA	MIXED AIR (OUTDOOR/RETURN)
AFF	ABOVE FINISHED FLOOR	MAN	MANUAL
AFMS	AIR FLOW MEASURING STATION	MAX	MAXIMUM
AHU	AIR HANDLING UNIT	MBH	THOUSAND BTW PER HOUR
AI	ANALOG INPUT	MFR	MANUFACTURER
AMB	AMBIENT	MIN	MINIMUM OR MINUTE
AO	ANALOG OUTPUT	MS	MOTOR STATUS
APD	AIR PRESSURE DROP	MTR	MOTOR
		MVD	MOTORIZED VOLUME DAMPER
		MY	MOTOR RELAY (CONTROL)
BOD	BOTTOM OF DUCT	NC	NORMALLY CLOSED
BTU	BRITISH THERMAL UNIT	NO	NORMALLY OPEN
BTUH	BRITISH THERMAL UNIT PER HOUR		
CC	COOLING COIL	OA	OUTDOOR AIR
CFM	CUBIC FEET PER MINUTE		
CMU	CONCRETE MASONRY UNIT	PDI	DIFFERENTIAL PRESSURE INDICATOR
CU	CONDENSING UNIT	PDT	DIFFERENTIAL PRESSURE TRANSMITTER
CV	CONTROL VALVE OR CONSTANT VOLUME	PT	PRESSURE TRANSMITTER
D	DIFFUSER OR DAMPER		
DB	DRY BULB	RA	RETURN AIR
DEG	DEGREES	RED	REDUCER
DI	DIGITAL INPUT	REF	ROOF EXHAUST FAN
DIA	DIAMETER	REG	REGISTER
DO	DIGITAL OUTPUT	RG	RETURN AIR GRILLE
DX	DIRECT EXPANSION	RH	RELATIVE HUMIDITY
EAT	ENTERING AIR TEMPERATURE	RL	REFRIGERANT LIQUID
EBD	ENTERING DRY BULB	RLA	RUNNING LOAD AMPERES
EF	EXHAUST FAN	RM	ROOM
EHC	ELECTRIC HEATING COIL	RPM	REVOLUTIONS PER MINUTE
EFF	EFFICIENCY	RR	RETURN AIR REGISTER
EG	EXHAUST GRILLE	RS	REFRIGERANT SUCTION
EL	ELEVATION	RSF	ROOF SUPPLY FAN
ELB	ELBOW	RV	REFRIGERANT VENT
ELEC	ELECTRIC		
ENT	ENTERING	SA	SUPPLY AIR
ER	EXHAUST REGISTER	SEN	SENSIBLE
ESP	EXTERNAL STATIC PRESSURE	SF	SQUARE FOOT
EUH	ELECTRIC UNIT HEATER	SH	SENSIBLE HEAT
EWB	ENTERING WET BULB	SMD	SMOKE DETECTOR
EXA	EXHAUST AIR	SP	STATIC PRESSURE
EXH	EXHAUST	SPMS	SP MEASURING STATION
EXT	EXTERNAL	SR	SUPPLY AIR REGISTER
		SS	STAINLESS STEEL
F	FAN OR FILTER	TA	TRANSFER AIR
°F	DEGREES FAHRENHEIT	TE	TEMPERATURE ELEMENT
FCD	FLOW CONTROL DAMPER	TG	TRANSFER AIR GRILLE
FLA	FULL LOAD AMPS	TH	TOTAL HEAT
FLEX	FLEXIBLE	TI	TEMPERATURE INDICATOR
FPM	FEET PER MINUTE	TOD	TOP OF DUCT
FPS	FEET PER SECOND	TS	TEMPERATURE SENSOR
FT	FEET	TSTAT	THERMOSTAT
FT H2O	FEET WATER COLUMN	TSP	TOTAL STATIC PRESSURE
		TT	TEMPERATURE TRANSMITTER
GAL	GALLON OR GALLONS	TW	THERMOWELL
GPM	GALLONS PER MINUTE		
GR	GRILLE	UH	UNIT HEATER
HD	HEAD	V	VENT
HI	HIGH	VEL	VELOCITY
HP	HORSEPOWER	VFD	VARIABLE FREQUENCY DRIVE
HOA	HAND-OFF-AUTOMATIC	VTR	VENT THROUGH ROOF
HR	HOUR		
HS	HAND SWITCH	WB	WET BULB
HTG	HEATING	WC	WATER COLUMN
HU	HUMIDITY	WXLXH	WIDTH BY LENGTH BY HEIGHT
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	ZS	POSITION SENSOR
IN	INCH OR INCHES		
IN H2O	INCHES WATER COLUMN		
KW	KILOWATT		
LAT	LEAVING AIR TEMPERATURE		
LB/HR	POUNDS PER HOUR		
LBS	POUNDS		
LDB	LEAVING DRY BULB		
LV	LOUVER		
LVG	LEAVING		
LXW	LENGTH BY WIDTH		
LXWXH	LENGTH BY WIDTH BY HEIGHT		

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**Jacobs**  
 525 W. Monroe, Suite 1600, Chicago, IL 60661

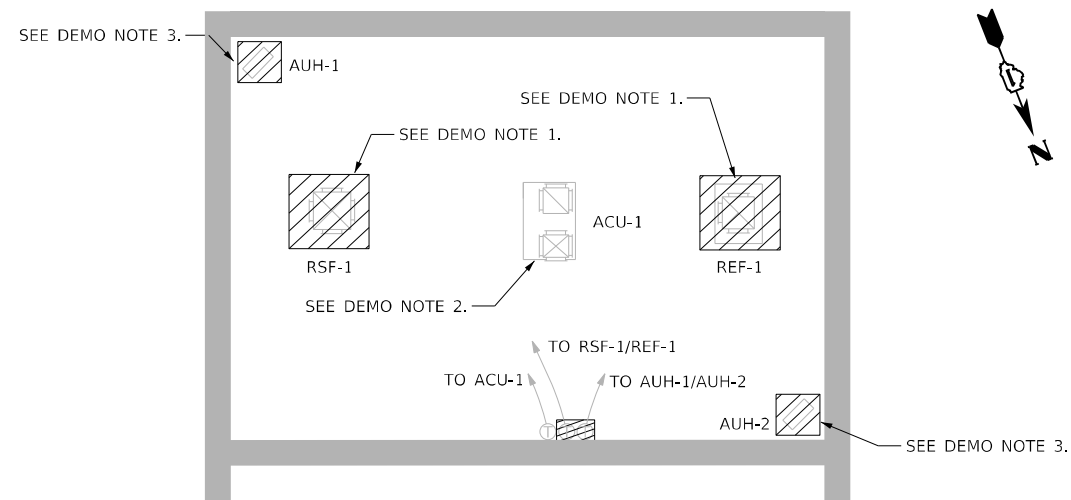
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

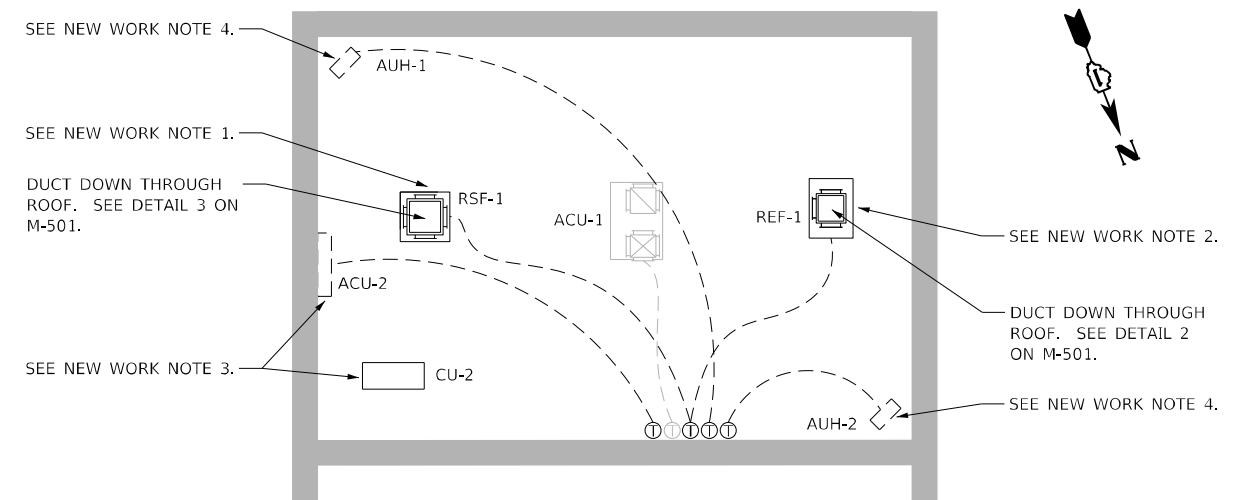
**MECHANICAL PLANS  
LEGEND AND GENERAL NOTES**

SCALE: NTS SHEET 1 OF 9 SHEETS STA. N/A TO STA. N/A

P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-008I	COOK	268	45
CONTRACT NO.			60T46	
ILLINOIS		FED. AID PROJECT		



**BUILDING A - HVAC DEMOLITION PLAN**  
SCALE: 1" = 10'-0"



**BUILDING A - HVAC INSTALLATION PLAN**  
SCALE: 1" = 10'-0"

**GENERAL NOTES**

- REFER TO M-100 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
- REFER TO M-601 FOR MECHANICAL EQUIPMENT SCHEDULES.
- CONTRACTOR SHALL VISIT SITE AND SURVEY EXISTING EQUIPMENT AND CONDITIONS. COORDINATE DEMOLITION AND NEW WORK WITH EXISTING CONDITIONS.

**DEMOLITION NOTES**

- DISCONNECT AND REMOVE EXISTING ROOF SUPPLY FAN (RSF-1), EXHAUST FAN (REF-1) AND ALL ASSOCIATED DUCTWORK, SUPPLY AND EXHAUST GRILLES, AND OTHER ANCILLARIES.
- EXISTING AIR CONDITIONING UNIT (ACU-1) TO REMAIN.
- DISCONNECT AND REMOVE EXISTING UNIT HEATERS (AHU-1, AHU-2) AND ALL OTHER ANCILLARIES.

**NEW WORK NOTES**

- INSTALL NEW ROOF SUPPLY FAN ON EXISTING ROOF CURB. EXISTING ROOF CURB IS 23 1/2" x 23 1/2" (OUTSIDE TO OUTSIDE). CONTRACTOR TO VERIFY. PROVIDE CURB ADAPTER TO MATCH EXISTING CONDITIONS TO NEW FAN BASE, IF REQUIRED. INSTALL NEW DUCTWORK AND ASSOCIATED AIR TERMINALS INSIDE BUILDING. SEE DETAIL 3 ON M-501.
- INSTALL NEW ROOF EXHAUST FAN ON EXISTING ROOF CURB. EXISTING ROOF CURB IS 19 1/2" x 19 1/2" (OUTSIDE TO OUTSIDE). CONTRACTOR TO VERIFY. PROVIDE CURB ADAPTER TO MATCH EXISTING CONDITIONS TO NEW FAN BASE, IF REQUIRED. INSTALL NEW DUCTWORK AND ASSOCIATED AIR TERMINALS INSIDE BUILDING. SEE DETAIL 2 ON M-501.
- INSTALL SPLIT-SYSTEM AIR CONDITIONING UNIT (ACU-2) ON WALL INSIDE BUILDING. COORDINATE INSTALLATION LOCATION WITH EXISTING BUILDING EQUIPMENT. INSTALL ASSOCIATED CONDENSING UNIT (CU-2) ON ROOF ON EQUIPMENT PAD. COORDINATE ANY ROOF PENETRATIONS WITH EXISTING EQUIPMENT. ROUTE REFRIGERANT PIPING USING MANUFACTURER RECOMMENDATION. SEE DETAIL 6 ON M-501 FOR PIPING ROOF PENETRATION DETAIL.
- INSTALL NEW UNIT HEATER IN PLACE OF EXISTING.

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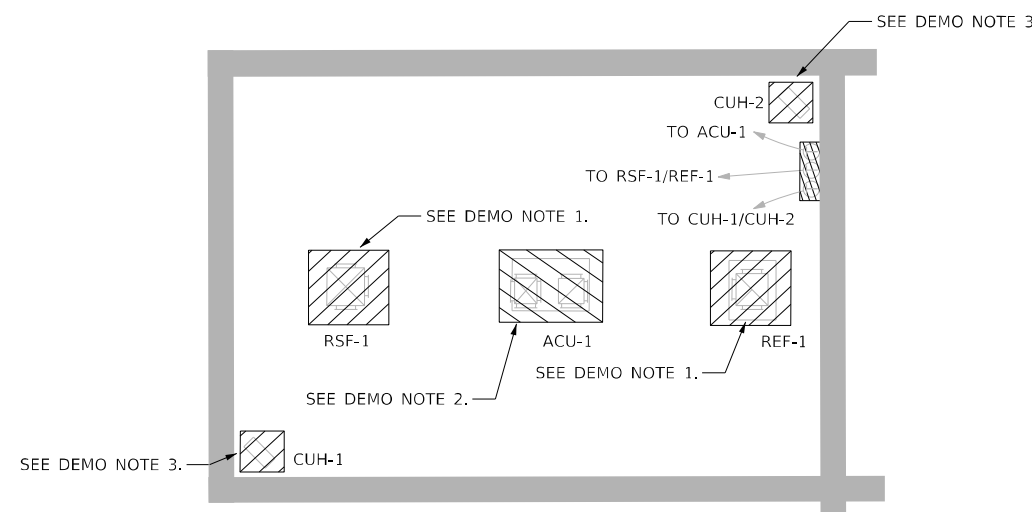
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MECHANICAL PLANS  
BUILDING A HVAC DEMOLITION AND INSTALLATION PLAN**

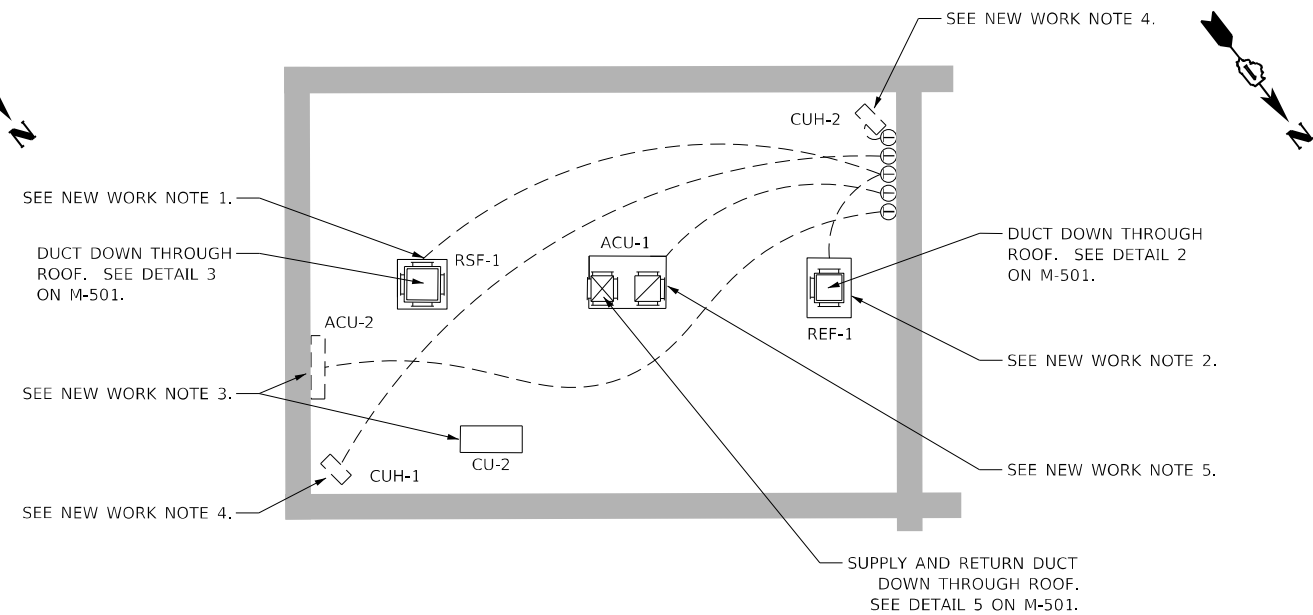
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-008I	COOK	268	46
CONTRACT NO.			60746	
ILLINOIS		FED. AID PROJECT		

M-101



**BUILDING C - HVAC DEMOLITION PLAN**  
SCALE: 1" = 10'-0"



**BUILDING C - HVAC INSTALLATION PLAN**  
SCALE: 1" = 10'-0"

**GENERAL NOTES**

- REFER TO M-100 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
- REFER TO M-601 FOR MECHANICAL EQUIPMENT SCHEDULES.
- CONTRACTOR SHALL VISIT SITE AND SURVEY EXISTING EQUIPMENT AND CONDITIONS. COORDINATE DEMOLITION AND NEW WORK WITH EXISTING CONDITIONS.

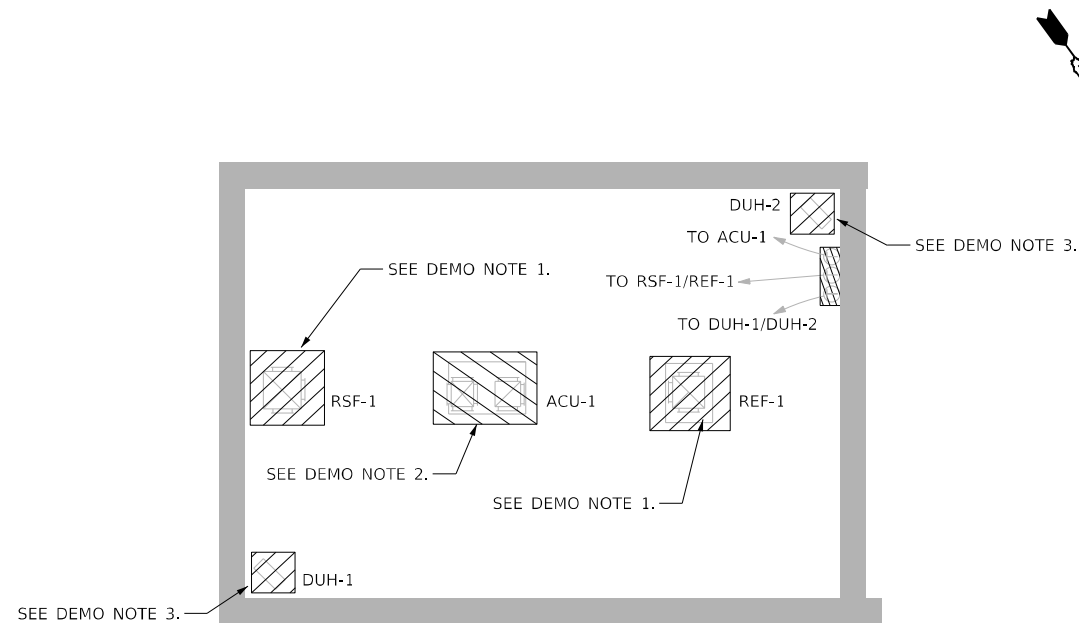
**DEMOLITION NOTES**

- DISCONNECT AND REMOVE EXISTING ROOF SUPPLY FAN (RSF-1), EXHAUST FAN (REF-1) AND ALL ASSOCIATED DUCTWORK, SUPPLY AND EXHAUST GRILLES, AND OTHER ANCILLARIES.
- DISCONNECT AND REMOVE EXISTING ROOF MOUNTED AIR CONDITIONING UNIT (ACU-1) AND ALL ASSOCIATED DUCTWORK, GRILLES, AND OTHER ANCILLARIES.
- DISCONNECT AND REMOVE EXISTING UNIT HEATERS (CUH-1, CUH-2) AND ALL OTHER ANCILLARIES.

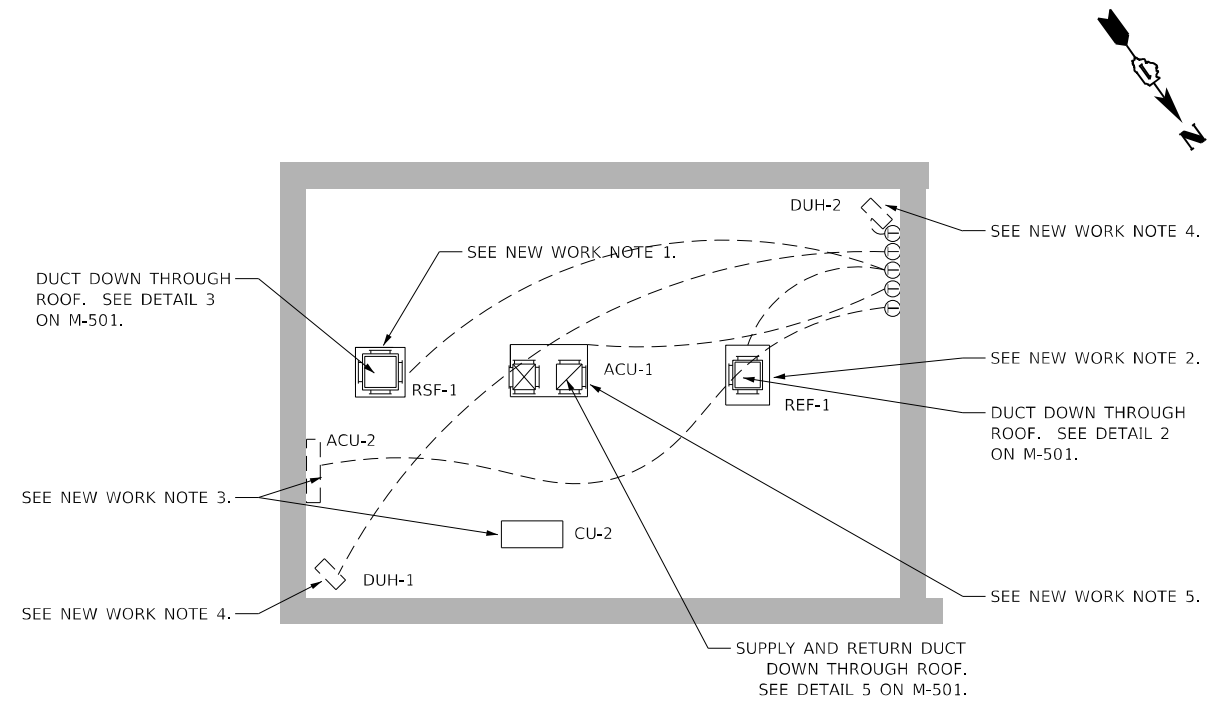
**NEW WORK NOTES**

- INSTALL NEW ROOF SUPPLY FAN ON EXISTING ROOF CURB. EXISTING ROOF CURB IS 23 1/2" x 23 1/2" (OUTSIDE TO OUTSIDE). CONTRACTOR TO VERIFY. PROVIDE CURB ADAPTER TO MATCH EXISTING CONDITIONS TO NEW FAN BASE, IF REQUIRED. INSTALL NEW DUCTWORK AND ASSOCIATED AIR TERMINALS INSIDE BUILDING. SEE DETAIL 3 ON M-501.
- INSTALL NEW ROOF EXHAUST FAN ON EXISTING ROOF CURB. EXISTING ROOF CURB IS 19 1/2" x 19 1/2" (OUTSIDE TO OUTSIDE). CONTRACTOR TO VERIFY. PROVIDE CURB ADAPTER TO MATCH EXISTING CONDITIONS TO NEW FAN BASE, IF REQUIRED. INSTALL NEW DUCTWORK AND ASSOCIATED AIR TERMINALS INSIDE BUILDING. SEE DETAIL 2 ON M-501.
- INSTALL SPLIT-SYSTEM AIR CONDITIONING UNIT (ACU-2) ON WALL INSIDE BUILDING. COORDINATE INSTALLATION LOCATION WITH EXISTING BUILDING EQUIPMENT. INSTALL ASSOCIATED CONDENSING UNIT (CU-2) ON ROOF ON EQUIPMENT PAD. COORDINATE ANY ROOF PENETRATIONS WITH EXISTING EQUIPMENT. ROUTE REFRIGERANT PIPING USING MANUFACTURER RECOMMENDATION. SEE DETAIL 6 ON M-501 FOR PIPING ROOF PENETRATION DETAIL.
- INSTALL NEW UNIT HEATER IN PLACE OF EXISTING.
- INSTALL NEW AIR CONDITIONING UNIT (ACU-1) ON EXISTING ROOF CURB. EXISTING ROOF CURB IS 38" x 44 1/4" (OUTSIDE TO OUTSIDE). CONTRACTOR TO VERIFY. PROVIDE CURB ADAPTOR TO MATCH EXISTING CONDITIONS TO NEW ACU-1 BASE, IF REQUIRED. INSTALL NEW SUPPLY AND RETURN DUCTWORK AND ASSOCIATED AIR TERMINALS INSIDE BUILDING. SEE DETAIL 5 ON M-501.

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**BUILDING D - HVAC DEMOLITION PLAN**  
SCALE: 1" = 10'-0"



**BUILDING D - HVAC INSTALLATION PLAN**  
SCALE: 1" = 10'-0"

**GENERAL NOTES**

- REFER TO M-100 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
- REFER TO M-601 FOR MECHANICAL EQUIPMENT SCHEDULES.
- CONTRACTOR SHALL VISIT SITE AND SURVEY EXISTING EQUIPMENT AND CONDITIONS. COORDINATE DEMOLITION AND NEW WORK WITH EXISTING CONDITIONS.

**DEMOLITION NOTES**

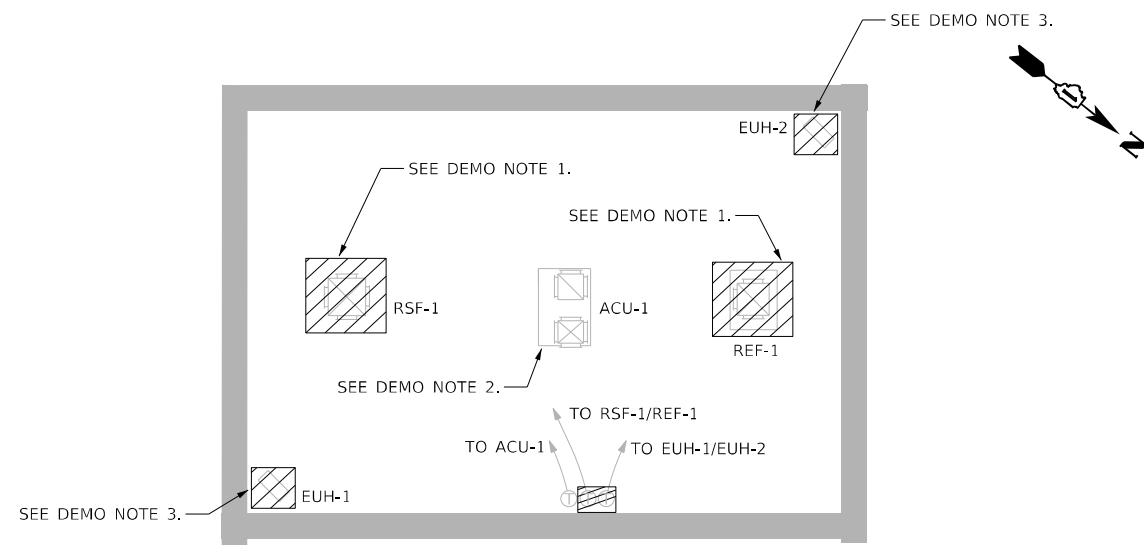
- DISCONNECT AND REMOVE EXISTING ROOF SUPPLY FAN (RSF-1), EXHAUST FAN (REF-1) AND ALL ASSOCIATED DUCTWORK, SUPPLY AND EXHAUST GRILLES, AND OTHER ANCILLARIES.
- DISCONNECT AND REMOVE EXISTING ROOF MOUNTED AIR CONDITIONING UNIT (ACU-1) AND ALL ASSOCIATED DUCTWORK, GRILLES, AND OTHER ANCILLARIES.
- DISCONNECT AND REMOVE EXISTING UNIT HEATERS (DUH-1, DUH-2) AND ALL OTHER ANCILLARIES.

**NEW WORK NOTES**

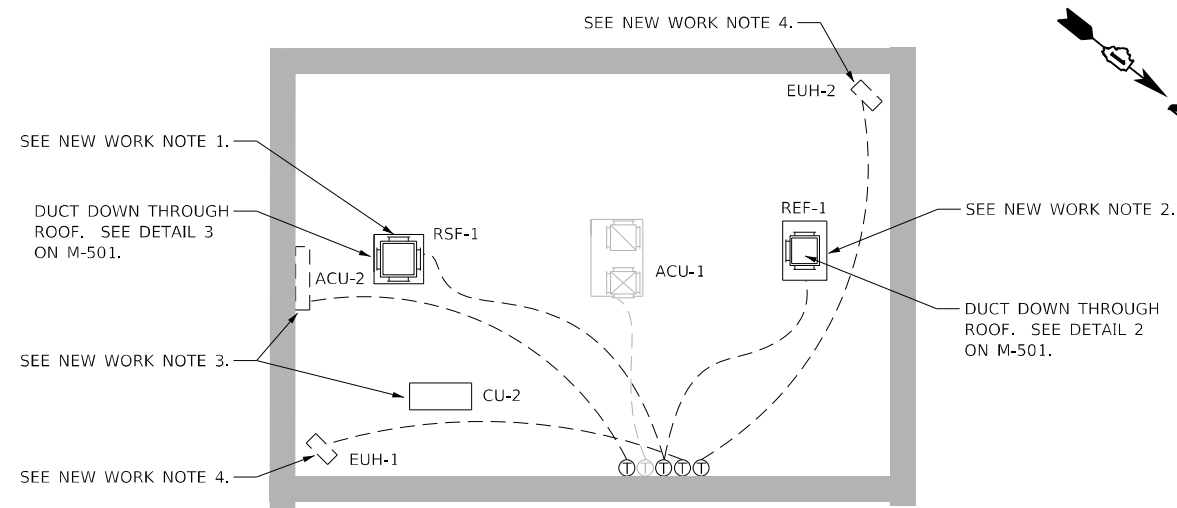
- INSTALL NEW ROOF SUPPLY FAN ON EXISTING ROOF CURB. EXISTING ROOF CURB IS 23 1/2" x 23 1/2" (OUTSIDE TO OUTSIDE). CONTRACTOR TO VERIFY. PROVIDE CURB ADAPTER TO MATCH EXISTING CONDITIONS TO NEW FAN BASE, IF REQUIRED. INSTALL NEW DUCTWORK AND ASSOCIATED AIR TERMINALS INSIDE BUILDING. SEE DETAIL 3 ON M-501.
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- INSTALL SPLIT-SYSTEM AIR CONDITIONING UNIT (ACU-2) ON WALL INSIDE BUILDING. COORDINATE INSTALLATION LOCATION WITH EXISTING BUILDING EQUIPMENT. INSTALL ASSOCIATED CONDENSING UNIT (CU-2) ON ROOF ON EQUIPMENT PAD. COORDINATE ANY ROOF PENETRATIONS WITH EXISTING EQUIPMENT. ROUTE REFRIGERANT PIPING USING MANUFACTURER RECOMMENDATION. SEE DETAIL 6 ON M-501 FOR PIPING ROOF PENETRATION DETAIL.
- INSTALL NEW UNIT HEATER IN PLACE OF EXISTING.
- INSTALL NEW AIR CONDITIONING UNIT (ACU-1) ON EXISTING ROOF CURB. EXISTING ROOF CURB IS 38" x 44 1/4" (OUTSIDE TO OUTSIDE). CONTRACTOR TO VERIFY. PROVIDE CURB ADAPTOR TO MATCH EXISTING CONDITIONS TO NEW ACU-1 BASE, IF REQUIRED. INSTALL NEW SUPPLY AND RETURN DUCTWORK AND ASSOCIATED AIR TERMINALS INSIDE BUILDING. SEE DETAIL 5 ON M-501.

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**BUILDING E - HVAC DEMOLITION PLAN**  
SCALE: 1" = 10'-0"



**BUILDING E - HVAC INSTALLATION PLAN**  
SCALE: 1" = 10'-0"

**GENERAL NOTES**

1. REFER TO M-100 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. REFER TO M-601 FOR MECHANICAL EQUIPMENT SCHEDULES.
3. CONTRACTOR SHALL VISIT SITE AND SURVEY EXISTING EQUIPMENT AND CONDITIONS. COORDINATE DEMOLITION AND NEW WORK WITH EXISTING CONDITIONS.

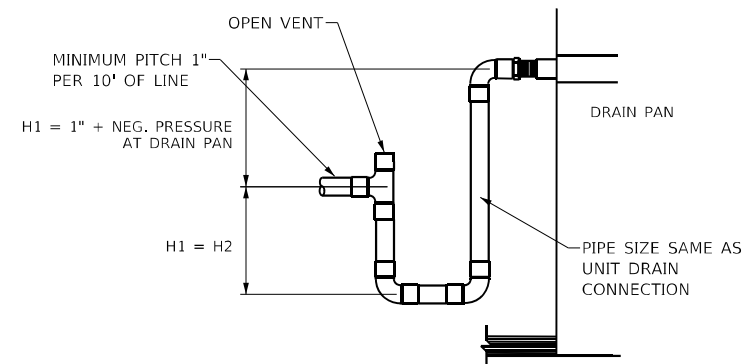
**DEMOLITION NOTES**

1. DISCONNECT AND REMOVE EXISTING ROOF SUPPLY FAN (RSF-1), EXHAUST FAN (REF-1) AND ALL ASSOCIATED DUCTWORK, SUPPLY AND EXHAUST GRILLES, AND OTHER ANCILLARIES.
2. EXISTING AIR CONDITIONING UNIT (ACU-1) TO REMAIN.
3. DISCONNECT AND REMOVE EXISTING UNIT HEATERS (EUH-1, EUH-2) AND ALL OTHER ANCILLARIES.

**NEW WORK NOTES**

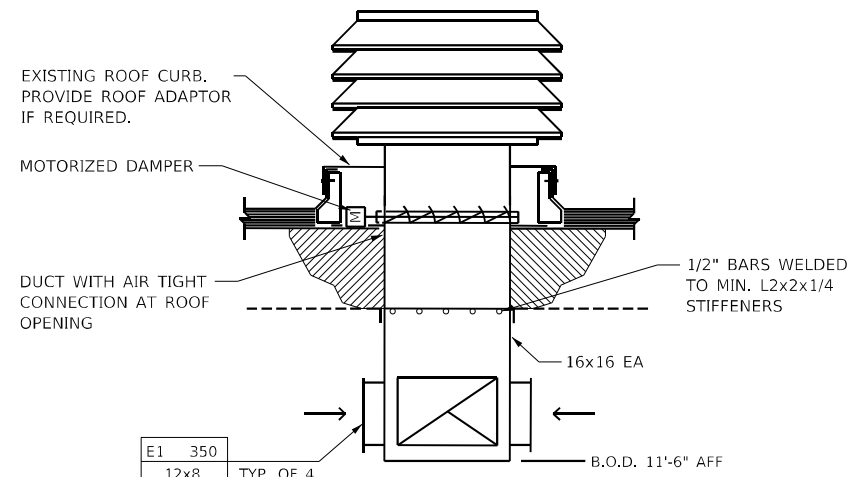
1. INSTALL NEW ROOF SUPPLY FAN ON EXISTING ROOF CURB. EXISTING ROOF CURB IS 23 1/2" x 23 1/2" (OUTSIDE TO OUTSIDE). CONTRACTOR TO VERIFY. PROVIDE CURB ADAPTER TO MATCH EXISTING CONDITIONS TO NEW FAN BASE, IF REQUIRED. INSTALL NEW DUCTWORK AND ASSOCIATED AIR TERMINALS INSIDE BUILDING. SEE DETAIL 3 ON M-501.
2. INSTALL NEW ROOF EXHAUST FAN ON EXISTING ROOF CURB. EXISTING ROOF CURB IS 19 1/2" x 19 1/2" (OUTSIDE TO OUTSIDE). CONTRACTOR TO VERIFY. PROVIDE CURB ADAPTER TO MATCH EXISTING CONDITIONS TO NEW FAN BASE, IF REQUIRED. INSTALL NEW DUCTWORK AND ASSOCIATED AIR TERMINALS INSIDE BUILDING. SEE DETAIL 2 ON M-501.
3. INSTALL SPLIT-SYSTEM AIR CONDITIONING UNIT (ACU-2) ON WALL INSIDE BUILDING. COORDINATE INSTALLATION LOCATION WITH EXISTING BUILDING EQUIPMENT. INSTALL ASSOCIATED CONDENSING UNIT (CU-2) ON ROOF ON EQUIPMENT PAD. COORDINATE ANY ROOF PENETRATIONS WITH EXISTING EQUIPMENT. ROUTE REFRIGERANT PIPING USING MANUFACTURER RECOMMENDATION. SEE DETAIL 6 ON M-501 FOR PIPING ROOF PENETRATION DETAIL.
4. INSTALL NEW UNIT HEATER IN PLACE OF EXISTING.

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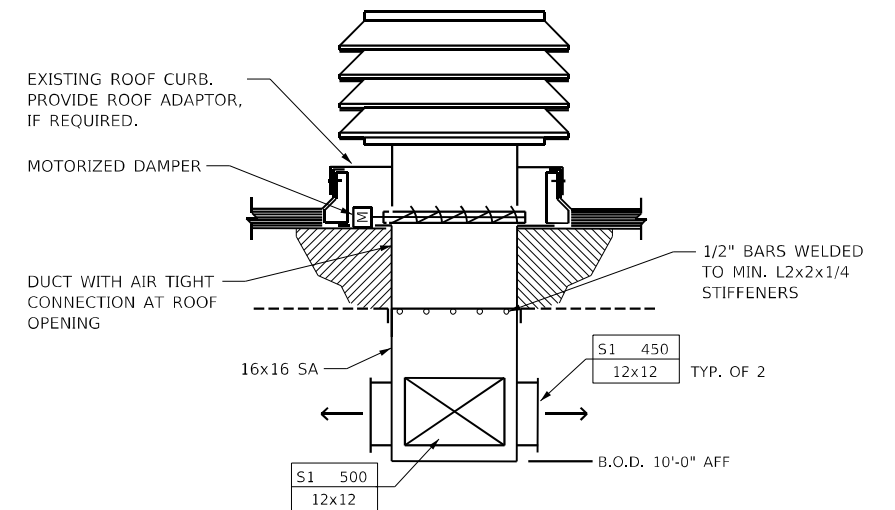


NOTE: ROUTE TO NEAREST ROOF DRAIN, SCUPPER OR FLOOR DRAIN.

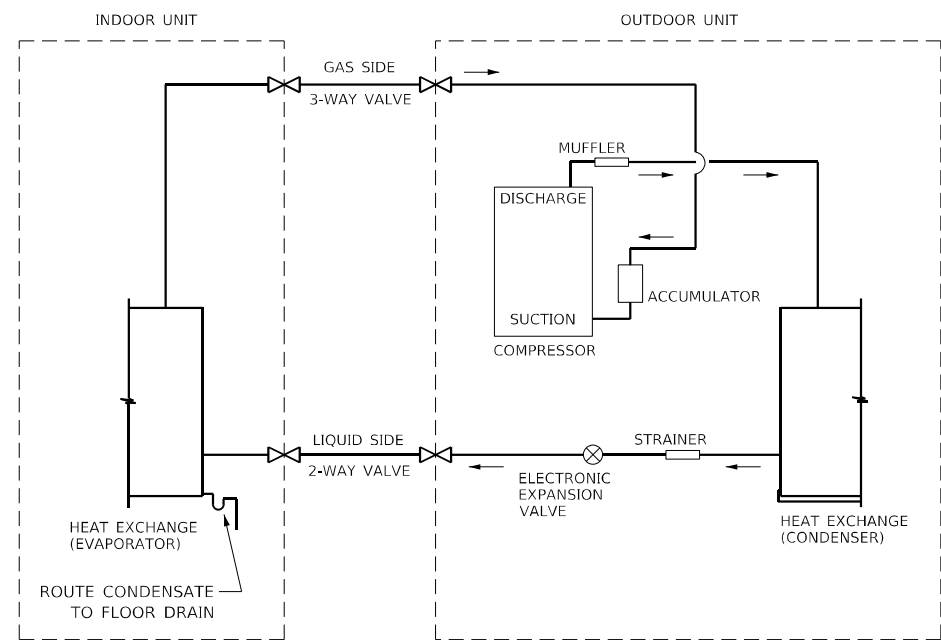
**1 CONDENSATE DRAIN TRAP DETAIL**  
SCALE: NOT TO SCALE



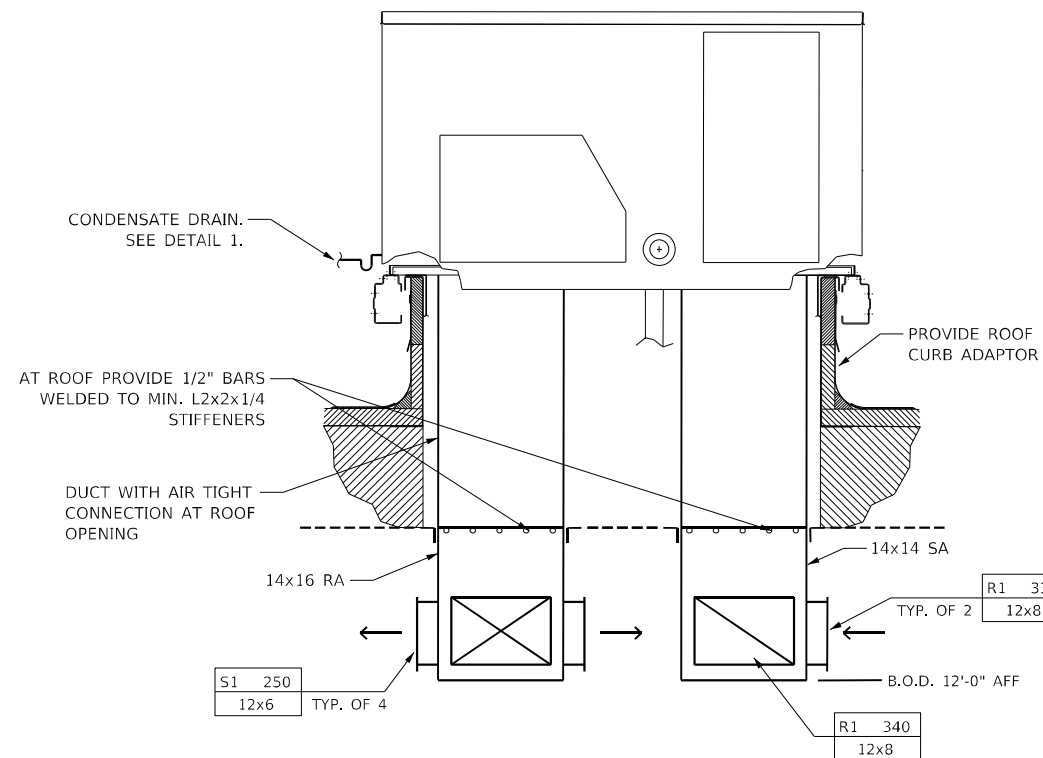
**2 ROOF MOUNTED EXHAUST FAN (REF) AND CURB DETAIL**  
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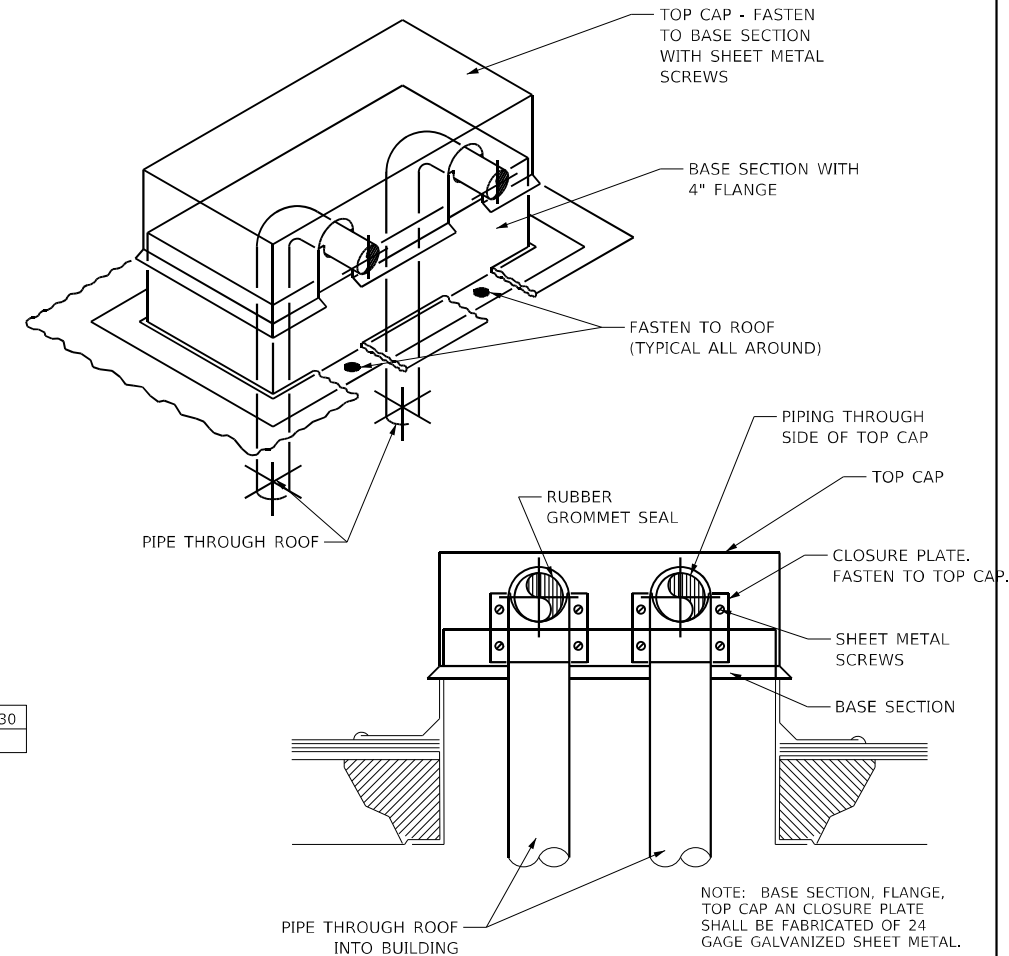
**3 ROOF MOUNTED SUPPLY FAN (RSF) AND CURB DETAIL**  
SCALE: NOT TO SCALE



**4 REFRIGERANT PIPING DETAIL**  
SCALE: NOT TO SCALE



**5 ROOF MOUNTED AIR CONDITIONING UNIT (ACU-1) DETAIL**  
SCALE: NOT TO SCALE



**6 PIPING ROOF PENETRATION DETAIL**  
SCALE: NOT TO SCALE

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**Jacobs**  
525 W. Monroe, Suite 1600, Chicago, IL 60661

USER NAME = korabmp  
DESIGNED - KJP  
DRAWN - KJP  
PLOT SCALE = 10.00 / in.  
CHECKED - PML  
DATE - 1/27/2022  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MECHANICAL PLANS  
MECHANICAL DETAILS  
SCALE: NTS SHEET 6 OF 9 SHEETS STA. N/A TO STA. N/A

M-501  
P.A.I. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.  
90/94 2012-008I COOK 268 50  
CONTRACT NO. 60746  
ILLINOIS FED. AID PROJECT

AIR CONDITIONING UNIT SCHEDULE (ACU)																	
MARK	SERVING	LOCATION	MAKE	MODEL	SUPPLY FAN				FILTER	COOLING DATA			ELECTRICAL		CURB HEIGHT (IN)	WEIGHT (LBS)	NOTES
					CFM	RPM	HP	DRIVE TYPE		MERV	TOTAL CAPACITY, MBH	EAT °F (DB/WB)	LAT °F (DB/WB)	V / PH / HZ			
ACU-1	BLDG C	ROOF	CARRIER	50KC-A04	1000	1050	1/3	DIRECT	8	35.4	75.1/62.5	59.2/56.0	230 / 1 / 60	7.4	14"	445	1, 2, 3
ACU-1	BLDG D	ROOF	CARRIER	50KC-A04	1000	1050	1/3	DIRECT	8	35.4	75.1/62.5	59.2/56.0	230 / 1 / 60	7.4	14"	445	1, 2, 3

- NOTES:
- PROVIDE FACTORY MOUNTED DISCONNECT SWITCH.
  - RE-USE EXISTING ROOF CURB. PROVIDE ROOF CURB ADAPTOR IF REQUIRED.
  - PROVIDE FACTORY WIRED CONVENIENCE OUTLET.

SPLIT-SYSTEM AIR CONDITIONING UNIT SCHEDULE (ACU/CU)								
MARK	SERVING	LOCATION	MAKE	MODEL	TOTAL CAPACITY	RATED POWER INPUT, W	V / PH / HZ	NOTES
ACU-2 / CU-2	BLDG A	INDOOR WALL & ROOF	YORK	DHPM30	2.5 TON	4097	230 / 1 / 60	1, 2
ACU-2 / CU-2	BLDG C	INDOOR WALL & ROOF	YORK	DCPM36	3 TON	3650	230 / 1 / 60	1, 2
ACU-2 / CU-2	BLDG D	INDOOR WALL & ROOF	YORK	DCPM36	3 TON	3650	230 / 1 / 60	1, 2
ACU-2 / CU-2	BLDG E	INDOOR WALL & ROOF	YORK	DCPM24	2 TON	1783	230 / 1 / 60	1, 2

- NOTES:
- SIZE REFRIGERANT LINES PER MANUFACTURER.
  - INDOOR UNIT (ACU-2) TO BE POWERED BY OUTDOOR UNIT (CU-2).

DIFFUSER, REGISTER, GRILLE SCHEDULE						
MARK	MAKE	MODEL	MODULE SIZE	NOMINAL DUCT SIZE	BORDER TYPE	NOTES
S1	TITUS	300RL	SEE M-501	SEE M-501	DUCT MOUNTED	1
E1/R1	TITUS	350RL	SEE M-501	SEE M-501	DUCT MOUNTED	1

- NOTES:
- STEEL, 3/4" BLADE SPACING.

ROOF SUPPLY FAN SCHEDULE (RSF)											
MARK	SERVING	LOCATION	MAKE	MODEL	CFM	ESP IN WG	FAN RPM	DRIVE TYPE	MOTOR DATA		NOTES
									HP	V / PH / HZ	
RSF-1	BLDG A	ROOF	COOK	90 ASPT	1400	0.5	1725	BELT	1/2	460 / 3 / 60	1, 2, 3
RSF-1	BLDG C	ROOF	COOK	90 ASPT	1400	0.5	1725	BELT	1/2	460 / 3 / 60	1, 2, 3
RSF-1	BLDG D	ROOF	COOK	90 ASPT	1400	0.5	1725	BELT	1/2	460 / 3 / 60	1, 2, 3
RSF-1	BLDG E	ROOF	COOK	90 ASPT	1400	0.5	1725	BELT	1/2	460 / 3 / 60	1, 2, 3

- NOTES:
- PROVIDE FACTORY MOUNTED DISCONNECT SWITCH.
  - RE-USE EXISTING ROOF CURB. PROVIDE CURB ADAPTOR IF REQUIRED.
  - PROVIDE MOTORIZED INLET BACKDRAFT DAMPER.

ROOF EXHAUST FAN SCHEDULE (REF)												
MARK	SERVING	LOCATION	MAKE	MODEL	TYPE	CFM	ESP IN WG	FAN RPM	DRIVE TYPE	MOTOR DATA		NOTES
										HP	V / PH / HZ	
REF-1	BLDG A	ROOF	COOK	135 TLCD	POWER VENTILATOR	1400	0.5	1725	DIRECT	3/4	460 / 3 / 60	1, 2, 3, 4
REF-1	BLDG C	ROOF	COOK	135 TLCD	POWER VENTILATOR	1400	0.5	1725	DIRECT	3/4	460 / 3 / 60	1, 2, 3, 4
REF-1	BLDG D	ROOF	COOK	135 TLCD	POWER VENTILATOR	1400	0.5	1725	DIRECT	3/4	460 / 3 / 60	1, 2, 3, 4
REF-1	BLDG E	ROOF	COOK	135 TLCD	POWER VENTILATOR	1400	0.5	1725	DIRECT	3/4	460 / 3 / 60	1, 2, 3, 4

- NOTES:
- PROVIDE FACTORY MOUNTED DISCONNECT SWITCH.
  - RE-USE EXISTING ROOF CURB. PROVIDE CURB ADAPTOR IF REQUIRED.
  - PROVIDE MOTORIZED BACKDRAFT DAMPER.
  - 1" WASHABLE PERMANENT ALUMINUM FILTER.

ELECTRIC UNIT HEATER SCHEDULE (UH)											
MARK	SERVING	MAKE	MODEL	TYPE	CAPACITY (kW)	CFM	FPM	FAN RPM	HP	V / PH / HZ	NOTES
AUH-1, -2	BLDG A	BERKO	HUHAA-748	WALL MOUNTED	7.5	650	970	1600	1/30	480 / 3 / 60	1, 2
CUH-1, -2	BLDG C	BERKO	HUHAA-748	WALL MOUNTED	7.5	650	970	1600	1/30	480 / 3 / 60	1, 2
DUH-1, -2	BLDG D	BERKO	HUHAA-748	WALL MOUNTED	7.5	650	970	1600	1/30	480 / 3 / 60	1, 2
EUH-1, -2	BLDG E	BERKO	HUHAA-748	WALL MOUNTED	7.5	650	970	1600	1/30	480 / 3 / 60	1, 2

- NOTES:
- PROVIDE FACTORY MOUNTED DISCONNECT SWITCH.
  - MOUNT UNIT HEATERS USING B10 UNIVERSAL WALL MOUNTING BRACKET.

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**Jacobs**  
 525 W. Monroe, Suite 1600, Chicago, IL 60661

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 DRAWN - KJP  
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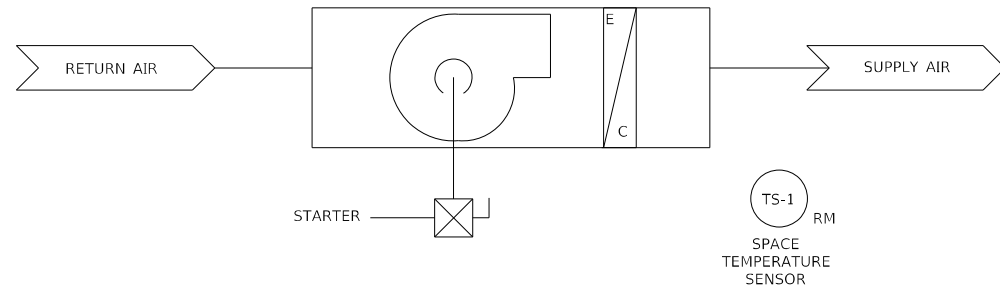
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

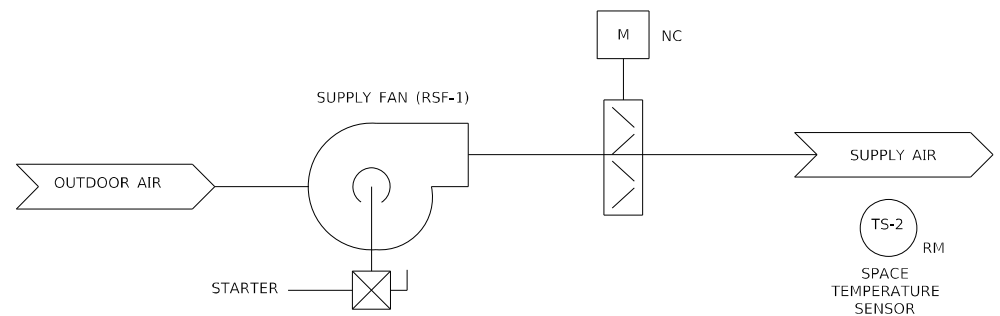
**MECHANICAL PLANS  
 MECHANICAL SCHEDULES**  
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P.A.I. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.  
 90/94 2012-008I COOK 268 51  
 CONTRACT NO. 60746  
 ILLINOIS FED. AID PROJECT

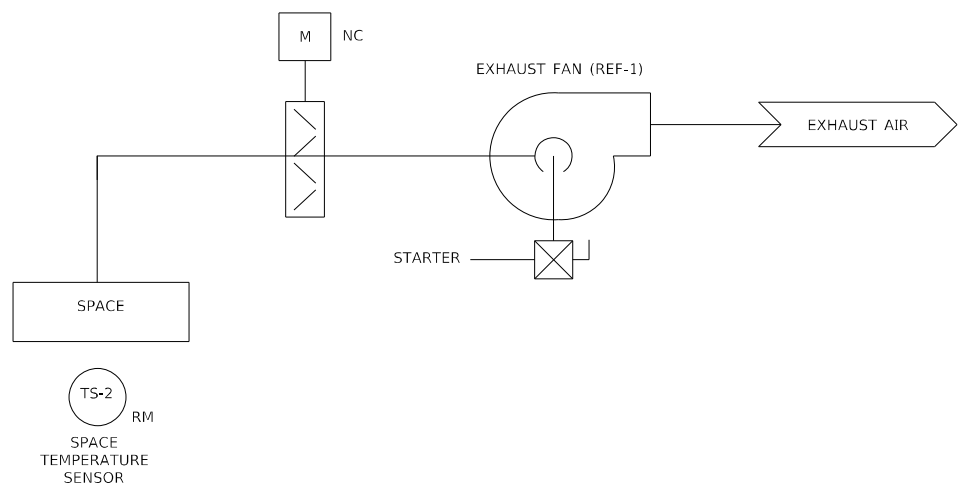




① UNIT HEATER CONTROL DIAGRAM (UH-1, UH-2)  
SCALE: NOT TO SCALE



② SUPPLY FAN CONTROL DIAGRAM (RSF-1)  
SCALE: NOT TO SCALE



③ EXHAUST FAN CONTROL DIAGRAM (REF-1)  
SCALE: NOT TO SCALE

**SEQUENCE OF OPERATION**

**ELECTRIC UNIT HEATERS (AUH- , CUH- , DUH- , EUH-1 & -2)**

A. GENERAL

1. EACH UNIT IS CONTROLLED BY A WALL MOUNTED MANUFACTURER PROVIDED, PROGRAMMABLE THERMOSTAT.
2. UH-1 FAN IS ENERGIZED WHEN SPACE TEMPERATURE REACHES 65°F (ADJ).
3. UH-1 FAN IS DE-ENERGIZED WHEN SPACE TEMPERATURE RETURNS TO ADJUSTABLE SETPOINT.
4. UH-2 FAN IS ENERGIZED WHEN SPACE TEMPERATURE REACHES 55°F (ADJ).
5. UH-2 FAN IS DE-ENERGIZED WHEN SPACE TEMPERATURE RETURNS TO ADJUSTABLE SETPOINT.

**ROOF MOUNTED SUPPLY FAN (RSF-1)**

A. GENERAL

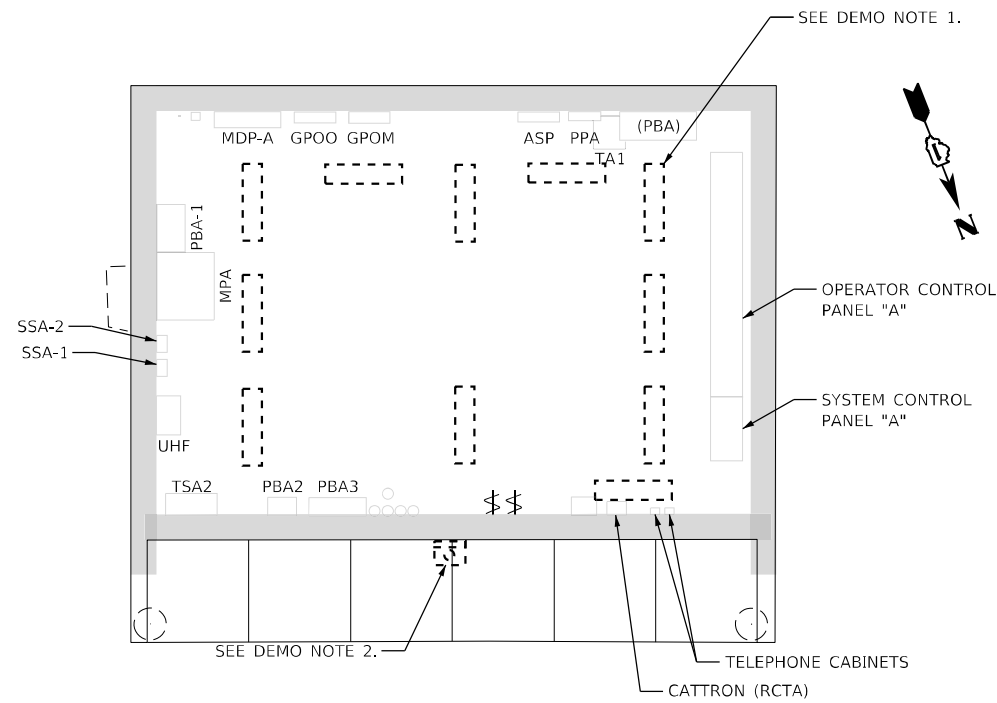
1. THE SUPPLY FAN IS CONTROLLED BY THE PROGRAMMABLE WALL MOUNTED THERMOSTAT. WHEN SPACE TEMPERATURE REACHES 75°F (ADJ) SUPPLY AIR DAMPER IS OPENED AND SUPPLY FAN IS ENERGIZED.
2. THE SUPPLY FAN IS DE-ENERGIZED AND THE SUPPLY AIR DAMPER IS CLOSED WHEN THE SPACE TEMPERATURE REACHES TO 65°F.

**ROOF MOUNTED EXHAUST FAN (REF-1)**

A. GENERAL

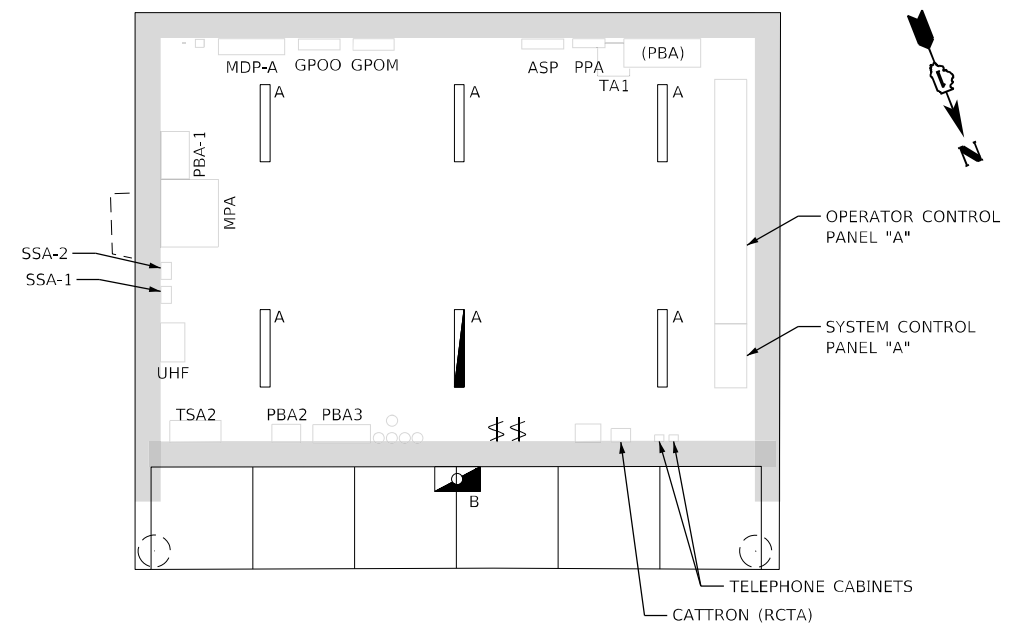
1. THE EXHAUST FAN IS INTERLOCKED TO RUN WHEN SUPPLY FAN IS ENABLED. WHEN SUPPLY FAN IS ENABLED, EXHAUST AIR DAMPER IS OPENED AND EXHAUST FAN IS ENERGIZED.
2. THE EXHAUST FAN IS DE-ENERGIZED AND EXHAUST AIR DAMPER IS CLOSED WHEN THE SUPPLY AIR FAN IS DISABLED.

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**BUILDING A DEMO LIGHTING FLOOR PLAN**

SCALE: 1" = 10'-0"



**BUILDING A LIGHTING FLOOR PLAN**

SCALE: 1" = 10'-0"

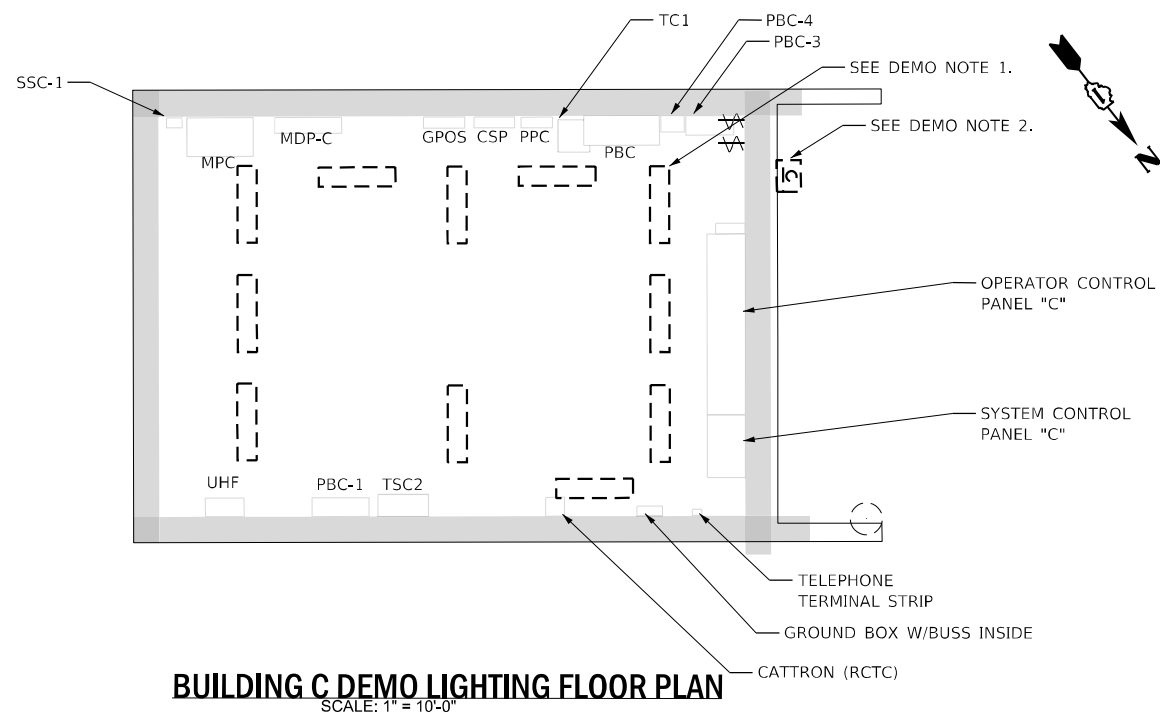
**GENERAL NOTES**

1. CONTRACTOR IS TO FIELD VERIFY LOCATIONS OF EQUIPMENT BEFORE REMOVING. HOLES THAT HAVE BEEN CREATED IN THE WALL BY REMOVING EQUIPMENT AND NEW EQUIPMENT HAS NOT BEEN PUT IN ITS PLACE, SHALL HAVE THE HOLES PATCHED, SEALED AND PAINTED TO MATCH UNDISTURBED WALL.
2. SEE SHEET EB-05 FOR LIGHT FIXTURE INFORMATION AND CIRCUIT INFORMATION.

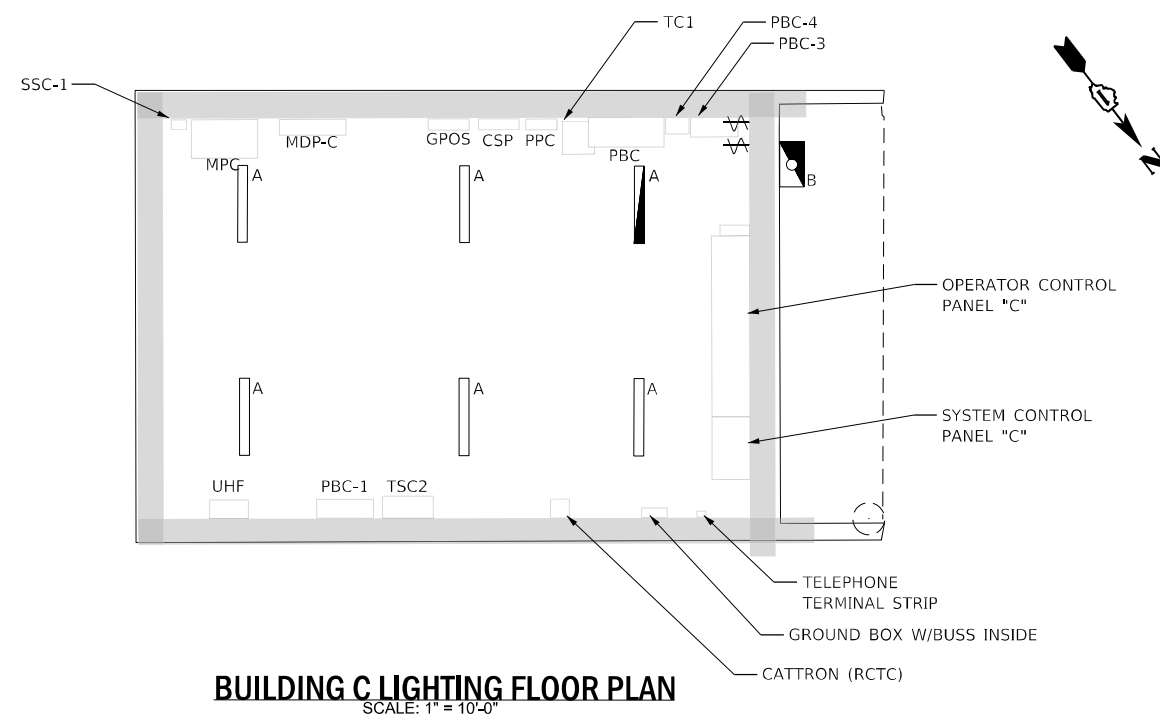
**SHEET DEMO NOTES**

1. EXISTING LIGHT FIXTURE TO BE REMOVED (TYPICAL).
2. EXISTING WALL PACK TO BE REMOVED.

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**BUILDING C DEMO LIGHTING FLOOR PLAN**  
SCALE: 1" = 10'-0"



**BUILDING C LIGHTING FLOOR PLAN**  
SCALE: 1" = 10'-0"

**GENERAL NOTES**

1. CONTRACTOR IS TO FIELD VERIFY LOCATIONS OF EQUIPMENT BEFORE REMOVING. HOLES THAT HAVE BEEN CREATED IN THE WALL BY REMOVING EQUIPMENT AND NEW EQUIPMENT HAS NOT BEEN PUT IN ITS PLACE, SHALL HAVE THE HOLES PATCHED, SEALED AND PAINTED TO MATCH UNDISTURBED WALL.
2. SEE SHEET EB-05 FOR LIGHT FIXTURE INFORMATION AND CIRCUIT INFORMATION.

**SHEET DEMO NOTES**

1. EXISTING LIGHT FIXTURE TO BE REMOVED (TYPICAL).
2. EXISTING WALL PACK TO BE REMOVED.

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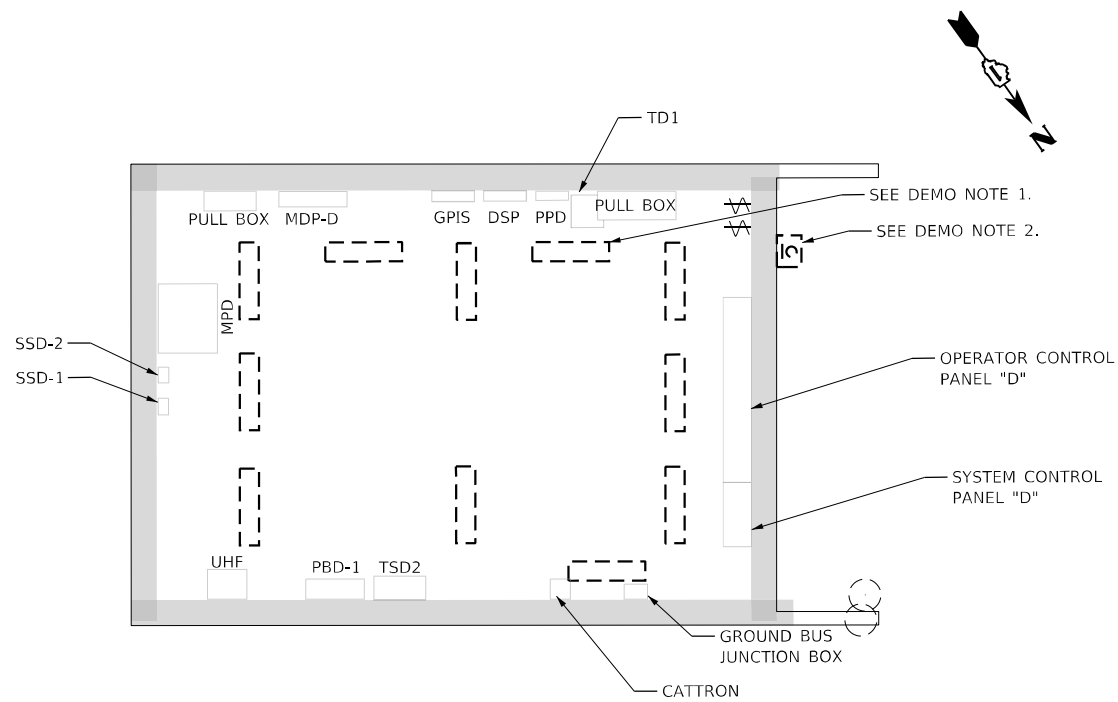
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUILDING AND SITE ELECTRICAL PLANS  
BUILDING C DEMO/NEW LIGHTING FLOOR PLAN**

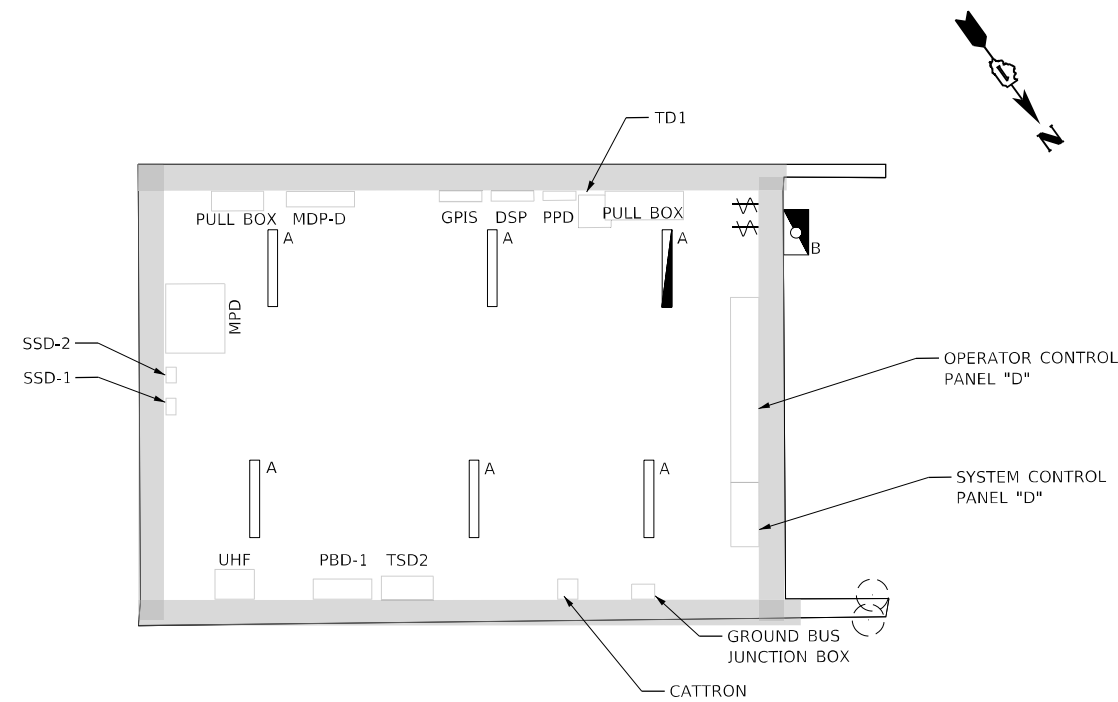
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P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	55
CONTRACT NO. 60746			EB-02	
ILLINOIS FED. AID PROJECT				



**BUILDING D DEMO LIGHTING FLOOR PLAN**

SCALE: 1" = 10'-0"



**BUILDING D LIGHTING FLOOR PLAN**

SCALE: 1" = 10'-0"

**GENERAL NOTES**

1. CONTRACTOR IS TO FIELD VERIFY LOCATIONS OF EQUIPMENT BEFORE REMOVING. HOLES THAT HAVE BEEN CREATED IN THE WALL BY REMOVING EQUIPMENT AND NEW EQUIPMENT HAS NOT BEEN PUT IN ITS PLACE, SHALL HAVE THE HOLES PATCHED, SEALED AND PAINTED TO MATCH UNDISTURBED WALL.
2. SEE SHEET EB-05 FOR LIGHT FIXTURE INFORMATION AND CIRCUIT INFORMATION.

**SHEET DEMO NOTES**

1. EXISTING LIGHT FIXTURE TO BE REMOVED (TYPICAL).
2. EXISTING WALL PACK TO BE REMOVED.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

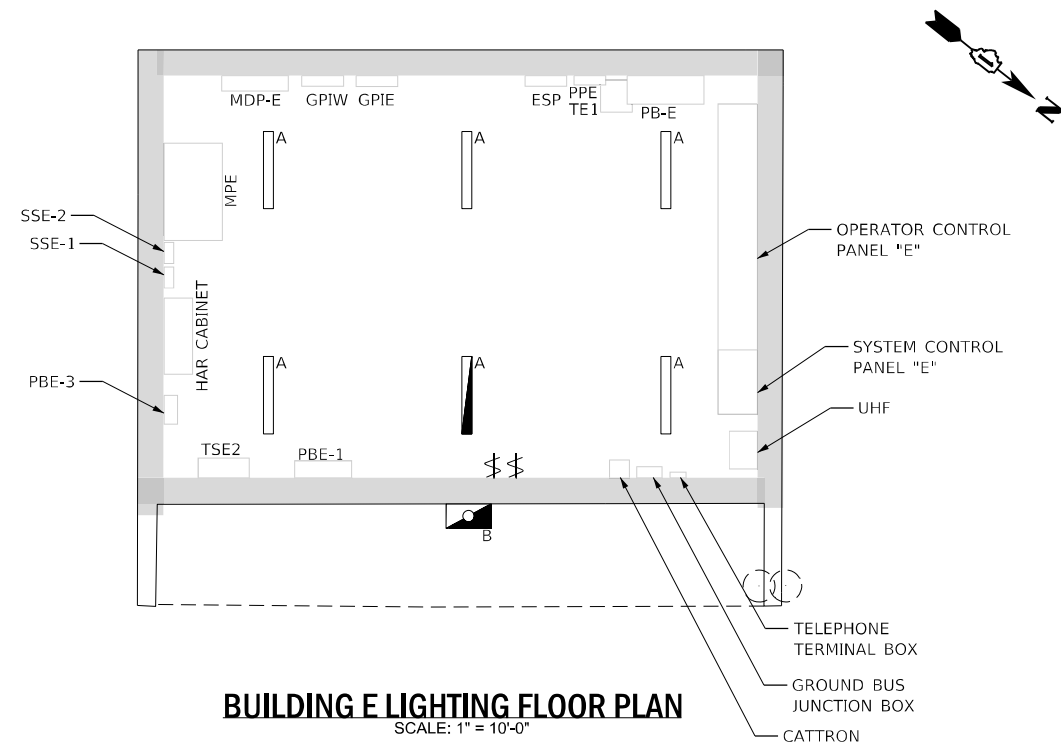
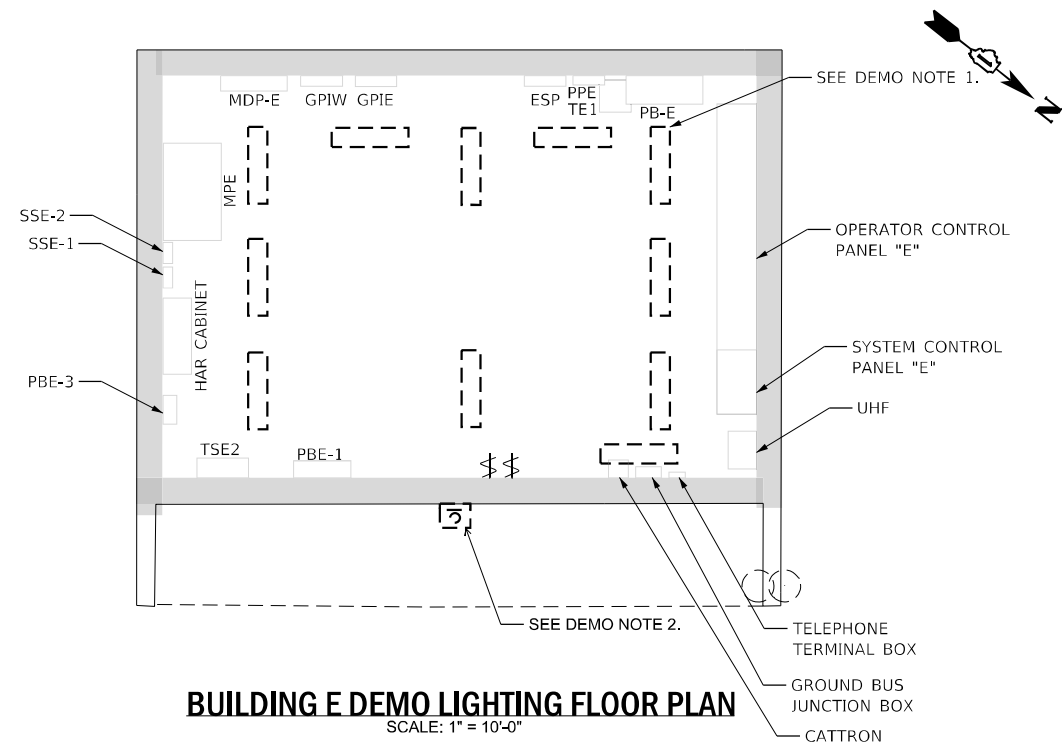
**BUILDING AND SITE ELECTRICAL PLANS  
BUILDING D DEMO/NEW LIGHTING FLOOR PLAN**

SCALE: 1" = 10' SHEET 3 OF 13 SHEETS STA. N/A TO STA. N/A

F.A.I. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		2012-0081	COOK	268	56
CONTRACT NO.				60746	
ILLINOIS		FED. AID PROJECT			

EB-03





**GENERAL NOTES**

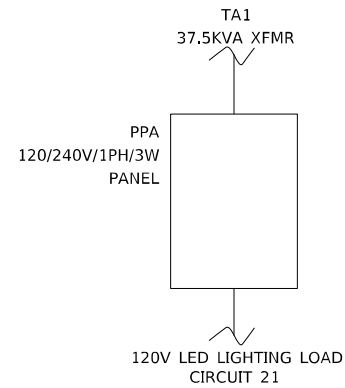
1. CONTRACTOR IS TO FIELD VERIFY LOCATIONS OF EQUIPMENT BEFORE REMOVING. HOLES THAT HAVE BEEN CREATED IN THE WALL BY REMOVING EQUIPMENT AND NEW EQUIPMENT HAS NOT BEEN PUT IN ITS PLACE, SHALL HAVE THE HOLES PATCHED, SEALED AND PAINTED TO MATCH UNDISTURBED WALL.
2. SEE SHEET EB-05 FOR LIGHT FIXTURE INFORMATION AND CIRCUIT INFORMATION.

**SHEET DEMO NOTES**

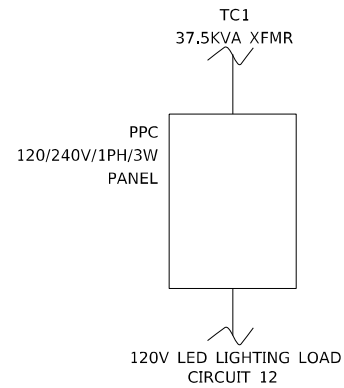
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2. EXISTING WALL PACK TO BE REMOVED.

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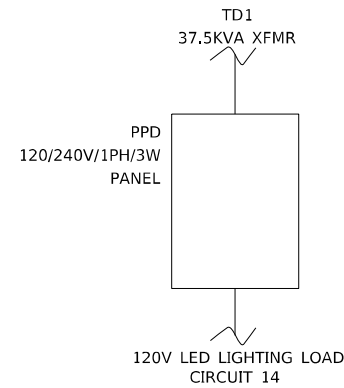
LUMINAIRE SCHEDULE										
TYPE	FIXTURE DESCRIPTION	MOUNTING	LAMP TYPE	FIXTURE WATTAGE	FIXTURE INPUT VOLTAGE	MANUFACTURER 1	MANUFACTURER 2	MANUFACTURER 3	FIXTURE CATALOG NUMBER	REMARKS
A	4-FOOT STRIP LIGHT	PENDANT	LED	40W	120V	LITHONIA	METALUX	COLUMBIA	ZL1D-L48-5000LM-120-30K-80CRI-E15WLC-P-WH OR APPROVED EQUAL	4' LED PENDANT MOUNTED STRIP LIGHT. MOUNTED 9' AFF. 5000 LUMEN OUTPUT, 3000K COLOR TEMP, 80 CRI, WHITE FINISH, WITH EMERGENCY BATTERY PACK WHERE SHOWN ON DRAWINGS.
B	LED WALL PACK	WALL	LED	14W	120V	LITHONIA	MCGRAW EDISON	HUBBELL	WST LED-P1-30K-VF-120-PE-E20WH-DBXD OR APPROVED EQUAL	MOUNTED OVER DOOR AT 7' 6". 1500 LUMEN OUTPUT, 3000K COLOR TEMP, FORWARD THROW, DARK BRONZE FINISH, WITH EMERGENCY BATTERY PACK.



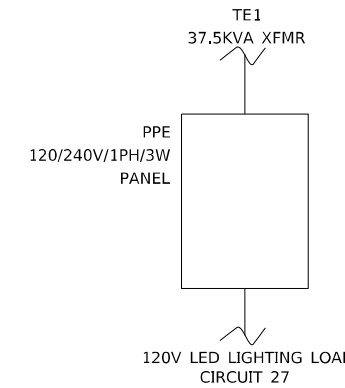
**BUILDING A LIGHTING CIRCUIT**  
NOT TO SCALE



**BUILDING C LIGHTING CIRCUIT**  
NOT TO SCALE



**BUILDING D LIGHTING CIRCUIT**  
NOT TO SCALE



**BUILDING E LIGHTING CIRCUIT**  
NOT TO SCALE

**CIRCUIT NOTES: TYPICAL FOR ALL**

- 1) ALL PANELS, CONDUIT AND WIRE ARE EXISTING. NEW LED LIGHTS ARE TO RE-USE EXISTING CONDUIT AND WIRE. EXTEND WIRE AND CONDUIT AS NEEDED.
- 2) CONTRACTOR TO PROVIDE NEW TYPED PANELBOARD DIRECTORIES UPON COMPLETION OF WORK.
- 3) CONDUIT AND WIRE TO BE EXTENDED WHERE NEEDED, MINIMUM CONDUIT SIZE 3/4" AND MINIMUM WIRE SIZE 12AWG COPPER.
- 4) CONTRACTOR TO FIELD VERIFY EACH BUILDINGS LIGHTING SWITCHLEGS AND INSTALL EQUAL AMOUNT OF LED FIXTURES TO EACH EXISTING SWITCHLEG.

**ABBREVIATIONS AND ACRONYMS**

NOTATION	DESCRIPTION
ATS	AUTOMATIC TRANSFER SWITCH
BDX	CIRCUIT BREAKER
CPX	CRITICAL POWER SUPPLY (DC)
DCX	DC DISTRIBUTION PANEL
GPXX	GATE PANEL
HAR	HIGHWAY ADVISORY RADIO
HPXX	GATE HEATING DISTRIBUTION PANEL
MDP-X	MAIN DISTRIBUTION PANEL
MPX	MAIN PANEL
PBX-#	
PPX	NON-CRITICAL POWER DISTRIBUTION PANEL
RCTC	CATTRON
SSX-#	SPIKE SUPPRESSION
TX#	TRANSFORMER
TSX#	AUTOMATIC TRANSFER SWITCH
UHF	ULTRA HIGH FREQUENCY RADIO
X	BUILDING DESIGNATION
XSP	SIGN PANEL
XUH	UNIT HEATER
XX	AREAS OO, OM, OS, IS, IW, IE

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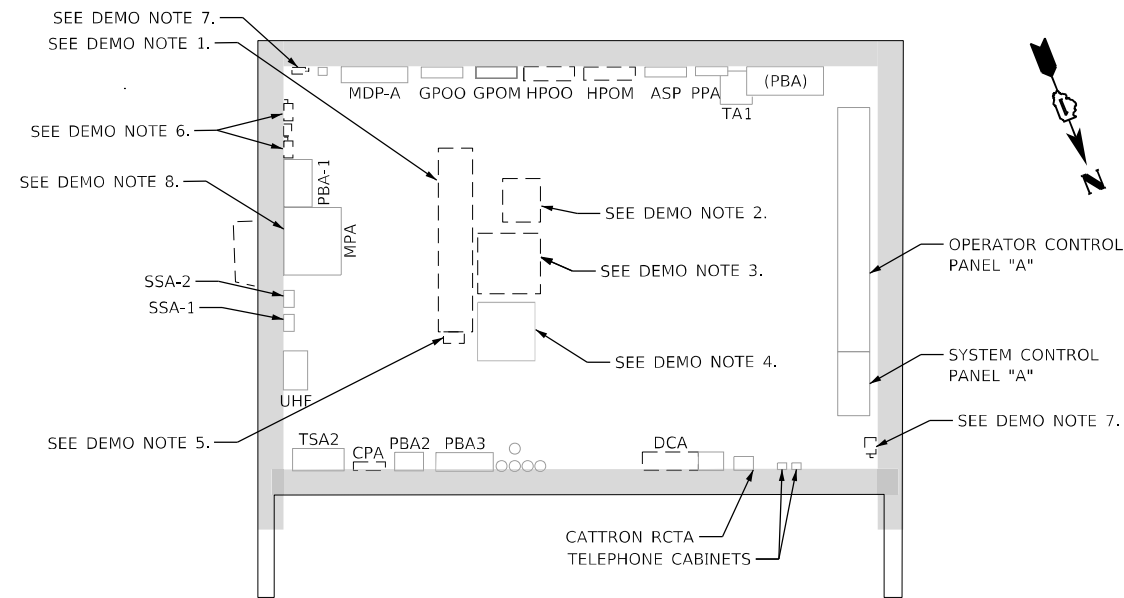
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUILDING AND SITE ELECTRICAL PLANS  
LIGHT FIXTURE SCHEDULE AND CIRCUITS**

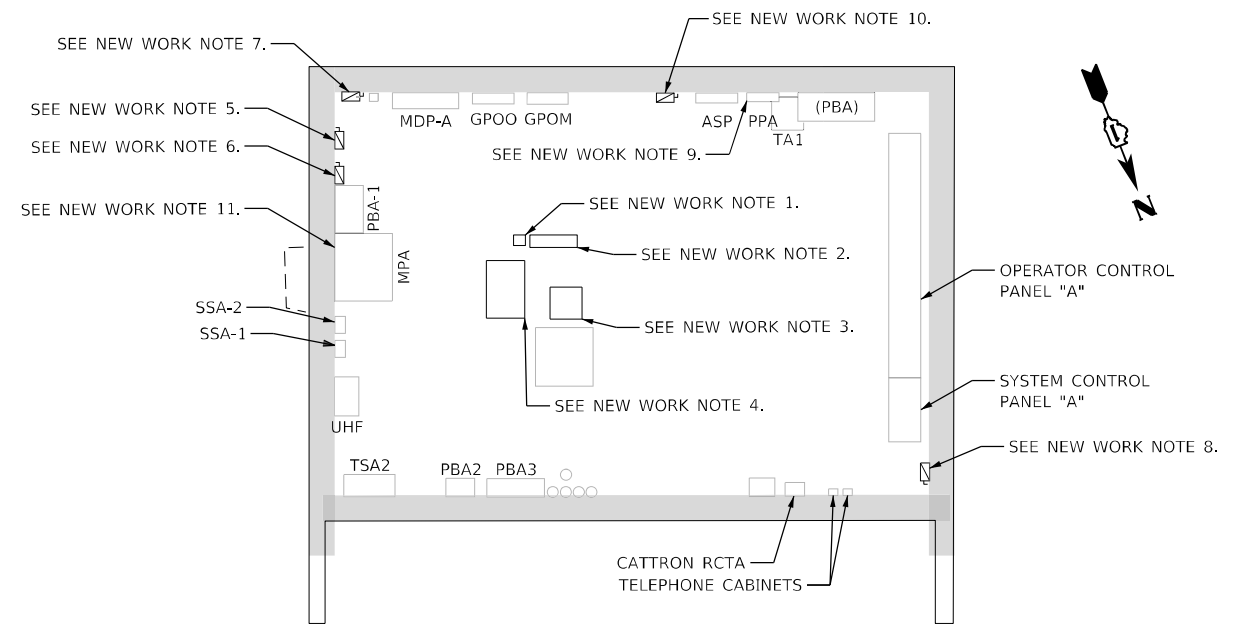
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P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-008I	COOK	268	58
CONTRACT NO.			60T46	
ILLINOIS		FED. AID PROJECT		

EB-05



**BUILDING A DEMO POWER FLOOR PLAN**  
SCALE: 1" = 10'-0"



**BUILDING A POWER FLOOR PLAN**  
SCALE: 1" = 10'-0"

**GENERAL NOTES**

1. CONTRACTOR IS TO FIELD VERIFY LOCATIONS OF EQUIPMENT BEFORE REMOVING. HOLES THAT HAVE BEEN CREATED IN THE WALL BY REMOVING EQUIPMENT AND NEW EQUIPMENT HAS NOT BEEN PUT IN ITS PLACE, SHALL HAVE THE HOLES PATCHED, SEALED AND PAINTED TO MATCH UNDISTURBED WALL.
2. PANELBOARD AND UPS BYPASS SWITCH TO BE MOUNTED ON STRUT MOUNTING STRUCTURE.
3. SEE MECHANICAL SHEET M-101 FOR MECHANICAL EQUIPMENT LOCATIONS.
4. SEE SHEETS E-03 AND E-04 FOR EXISTING AND PROPOSED SINGLE LINE DIAGRAMS.
5. SEE SHEET M-100 FOR MECHANICAL ABBREVIATIONS. SEE SHEET EB-05 FOR ELECTRICAL ABBREVIATIONS.

**SHEET DEMO NOTES**

1. 3-TIER RACK WITH BATTERIES TO BE REMOVED.
2. UPSA TO BE REMOVED.
3. BATTERY CHARGER TO BE REMOVED.
4. MICROWAVE/CCTV RACK TO REMAIN.
5. BDA 100A DISCONNECT SWITCH TO BE REMOVED.
6. SUPPLY AND RETURN 30A FAN DISCONNECTS TO BE REMOVED.
7. AUH DISCONNECT TO BE REMOVED.
8. 200A, 3P BREAKER FEEDING BATTERY CHARGER TO BE REMOVED.

**SHEET NEW WORK NOTES**

1. PROVIDE NEW UPS BYPASS SWITCH.
2. PROVIDE NEW 100A PANELBOARD CPA.
3. PROVIDE NEW 45 KVA TRANSFORMER.
4. PROVIDE NEW 37.5 KVA UPS.
5. PROVIDE NEW NEMA SIZE 1 STARTER FOR REF-1. REUSE EXISTING CONDUIT AND WIRE.
6. PROVIDE NEW NEMA SIZE 1 STARTER FOR RSF-1. REUSE EXISTING CONDUIT AND WIRE.
7. PROVIDE NEW NEMA SIZE 1 STARTER FOR AUH-1. REUSE EXISTING CONDUIT AND WIRE.
8. PROVIDE NEW NEMA SIZE 1 STARTER FOR AUH-2. REUSE EXISTING CONDUIT AND WIRE.
9. CONNECT TO EXISTING SPARE 20A/2P BREAKER IN PANEL PP-A: 8, 10 FOR ACU-2/CU-2.
10. PROVIDE NEW NEMA SIZE 1 STARTER FOR ACU-2/CU-2.
11. PROVIDE NEW 60A, 3P BREAKER (50AT) AT PANEL MPA FOR NEW TRANSFORMER "TA2."

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**Jacobs**  
525 W. Monroe, Suite 1600, Chicago, IL 60661

USER NAME = korabmp  
DESIGNED - RAS  
DRAWN - RH  
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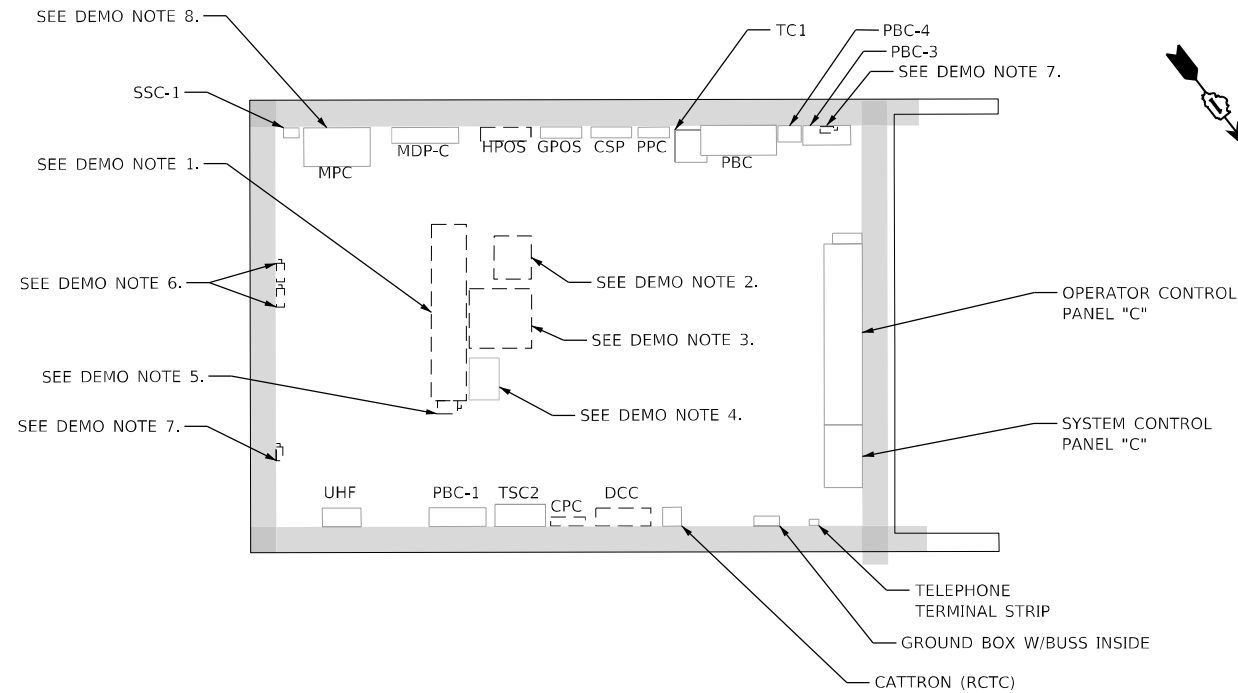
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUILDING AND SITE ELECTRICAL PLANS  
BUILDING A DEMO/NEW POWER FLOOR PLAN**

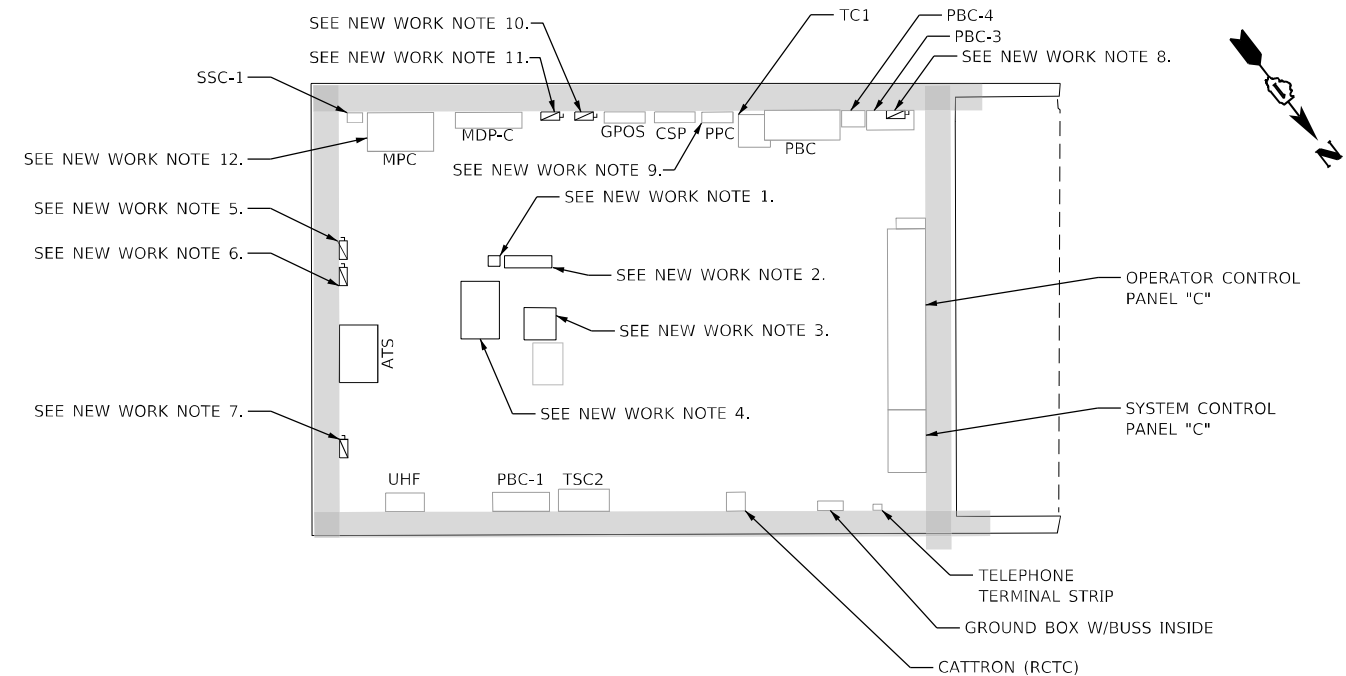
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F.A.I. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		2012-0081	COOK	268	59
CONTRACT NO.				60T46	
ILLINOIS FED. AID PROJECT					

EB-06



**BUILDING C POWER DEMO FLOOR PLAN**  
SCALE: 1" = 10'-0"



**BUILDING C POWER FLOOR PLAN**  
SCALE: 1" = 10'-0"

**GENERAL NOTES**

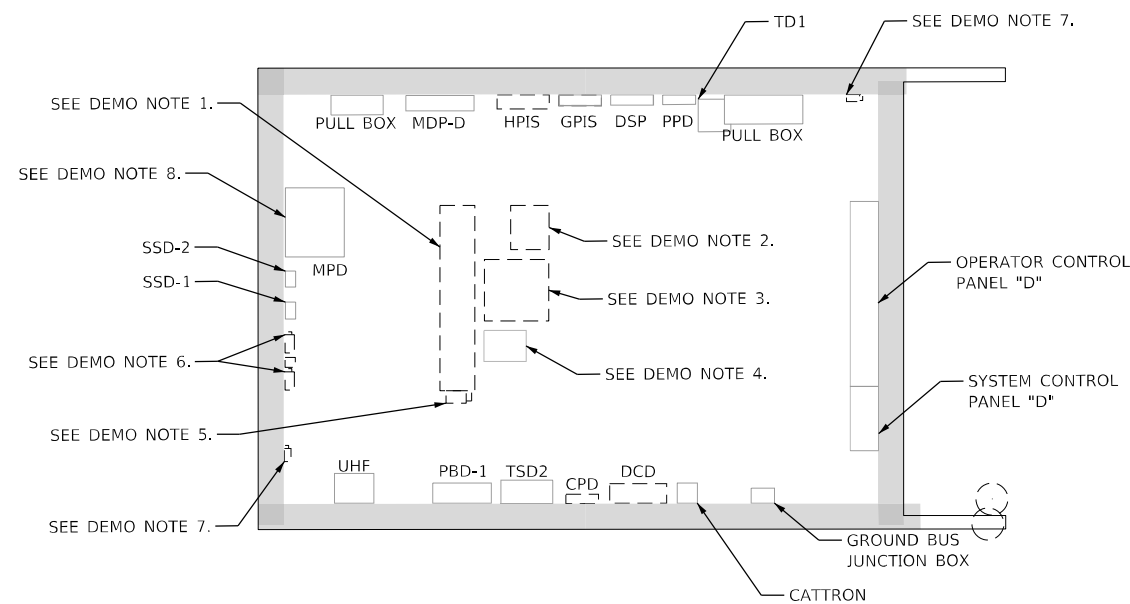
- CONTRACTOR IS TO FIELD VERIFY LOCATIONS OF EQUIPMENT BEFORE REMOVING. HOLES THAT HAVE BEEN CREATED IN THE WALL BY REMOVING EQUIPMENT AND NEW EQUIPMENT HAS NOT BEEN PUT IN ITS PLACE, SHALL HAVE THE HOLES PATCHED, SEALED AND PAINTED TO MATCH UNDISTURBED WALL.
- PANELBOARD AND UPS BYPASS SWITCH TO BE MOUNTED ON STRUT MOUNTING STRUCTURE.
- SEE MECHANICAL DRAWING M-102 FOR MECHANICAL EQUIPMENT LOCATIONS.
- SEE SHEETS E-05 AND E-06 FOR EXISTING AND PROPOSED SINGLE LINE DIAGRAMS.
- SEE SHEET M-100 FOR MECHANICAL ABBREVIATIONS. SEE SHEET EB-05 FOR ELECTRICAL ABBREVIATIONS.

**SHEET DEMO NOTES**

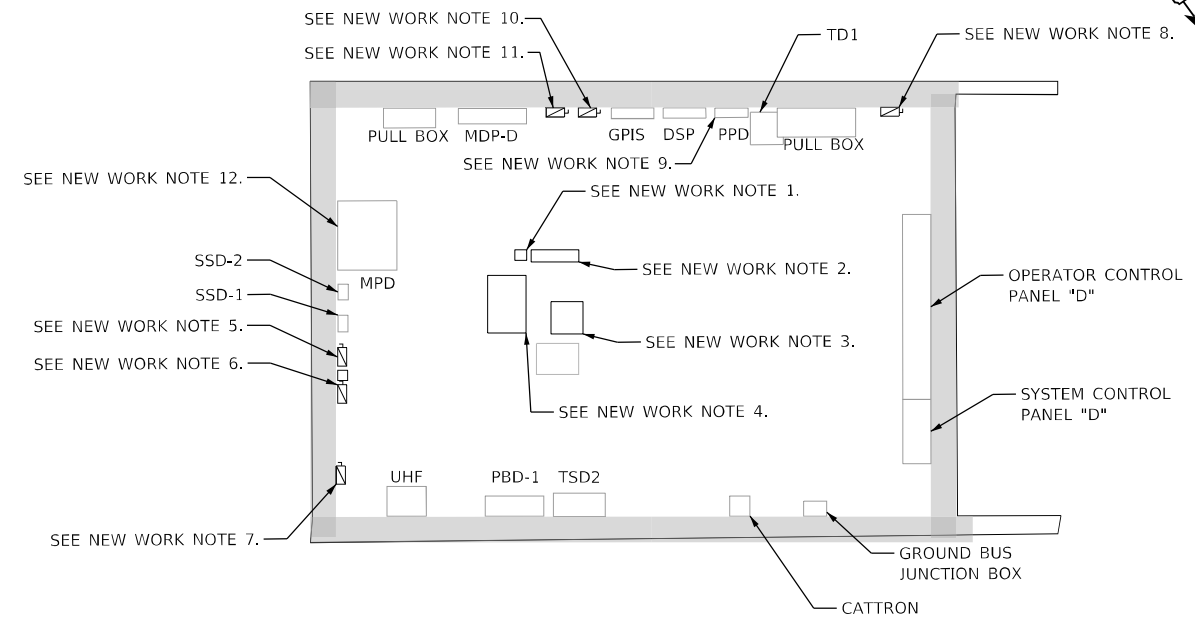
- 3 TIER RACK WITH BATTERIES TO BE REMOVED.
- UPSD TO BE REMOVED.
- BATTERY CHARGER TO BE REMOVED.
- MICROWAVE/CCTV RACK TO REMAIN.
- BDC 100A DISCONNECT SWITCH TO BE REMOVED.
- SUPPLY AND RETURN 30A FAN DISCONNECTS TO BE REMOVED.
- CUH DISCONNECT TO BE REMOVED.
- 200A, 2P BREAKER FEEDING BATTERY CHARGER TO BE REMOVED.

**SHEET NEW WORK NOTES**

- PROVIDE NEW UPS BYPASS SWITCH.
- PROVIDE NEW 100A PANELBOARD CPC.
- PROVIDE NEW 45 KVA TRANSFORMER.
- PROVIDE NEW 37.5 KVA UPS.
- PROVIDE NEW NEMA SIZE 1 STARTER FOR REF-1. REUSE EXISTING CONDUIT AND WIRE.
- PROVIDE NEW NEMA SIZE 1 STARTER FOR RSF-1. REUSE EXISTING CONDUIT AND WIRE.
- PROVIDE NEW NEMA SIZE 1 STARTER FOR CUH-1. REUSE EXISTING CONDUIT AND WIRE.
- PROVIDE NEW NEMA SIZE 1 STARTER FOR CUH-2. REUSE EXISTING CONDUIT AND WIRE.
- CONNECT TO EXISTING SPARE 20A/2P BREAKER AT PANEL PP-C: 14, 16 FOR ACU-2/CU-2.
- PROVIDE NEW NEMA SIZE 1 STARTER FOR ACU-2/CU-2.
- PROVIDE NEW NEMA SIZE 1 STARTER FOR ACU-1.
- PROVIDE NEW 60A, 3P BREAKER (50AT) AT PANEL MPC FOR NEW TRANSFORMER "TC2."
- PROVIDE NEW AUTOMATIC TRANSFER SWITCH FOR NEW GENERATOR.



**BUILDING D POWER DEMO FLOOR PLAN**  
SCALE: 1" = 10'-0"



**BUILDING D POWER FLOOR PLAN**  
SCALE: 1" = 10'-0"

**GENERAL NOTES**

- CONTRACTOR IS TO FIELD VERIFY LOCATIONS OF EQUIPMENT BEFORE REMOVING. HOLES THAT HAVE BEEN CREATED IN THE WALL BY REMOVING EQUIPMENT AND NEW EQUIPMENT HAS NOT BEEN PUT IN ITS PLACE, SHALL HAVE THE HOLES PATCHED, SEALED AND PAINTED TO MATCH UNDISTURBED WALL.
- PANELBOARD AND UPS BYPASS SWITCH TO BE MOUNTED ON STRUT MOUNTING STRUCTURE.
- SEE MECHANICAL DRAWING M-103 FOR MECHANICAL EQUIPMENT LOCATIONS.
- SEE SHEETS E-07 AND E-08 FOR EXISTING AND PROPOSED SINGLE LINE DIAGRAMS.
- SEE SHEET M-100 FOR MECHANICAL ABBREVIATIONS. SEE SHEET EB-05 FOR ELECTRICAL ABBREVIATIONS.

**SHEET DEMO NOTES**

- 3 TIER RACK WITH BATTERIES TO BE REMOVED.
- UPSD TO BE REMOVED.
- BATTERY CHARGER TO BE REMOVED.
- MICROWAVE/CCTV RACK TO REMAIN.
- BDD 100A DISCONNECT SWITCH TO BE REMOVED.
- SUPPLY AND RETURN 30A FAN DISCONNECTS TO BE REMOVED.
- DUH DISCONNECT TO BE REMOVED.
- 200A, 2P BREAKER FEEDING BATTERY CHARGER TO BE REMOVED.

**SHEET NEW WORK NOTES**

- PROVIDE NEW UPS BYPASS SWITCH.
- PROVIDE NEW 100A PANELBOARD CPD.
- PROVIDE NEW 45 KVA TRANSFORMER.
- PROVIDE NEW 37.5 KVA UPS.
- PROVIDE NEW NEMA SIZE 1 STARTER FOR REF-1. REUSE EXISTING CONDUIT AND WIRE.
- PROVIDE NEW NEMA SIZE 1 STARTER FOR RSF-1. REUSE EXISTING CONDUIT AND WIRE.
- PROVIDE NEW NEMA SIZE 1 STARTER FOR DUH-1. REUSE EXISTING CONDUIT AND WIRE.
- PROVIDE NEW NEMA SIZE 1 STARTER FOR DUH-2. REUSE EXISTING CONDUIT AND WIRE.
- CONNECT TO EXISTING SPARE 20A/2P BREAKER AT PANEL PP-D: 16, 18 FOR ACU-2/CU-2.
- PROVIDE NEW NEMA SIZE 1 STARTER FOR ACU-2/CU-2.
- PROVIDE NEW NEMA SIZE 1 STARTER FOR ACU-1.
- PROVIDE NEW 60A, 3P BREAKER (50AT) AT PANEL MPD FOR NEW TRANSFORMER "TD2."

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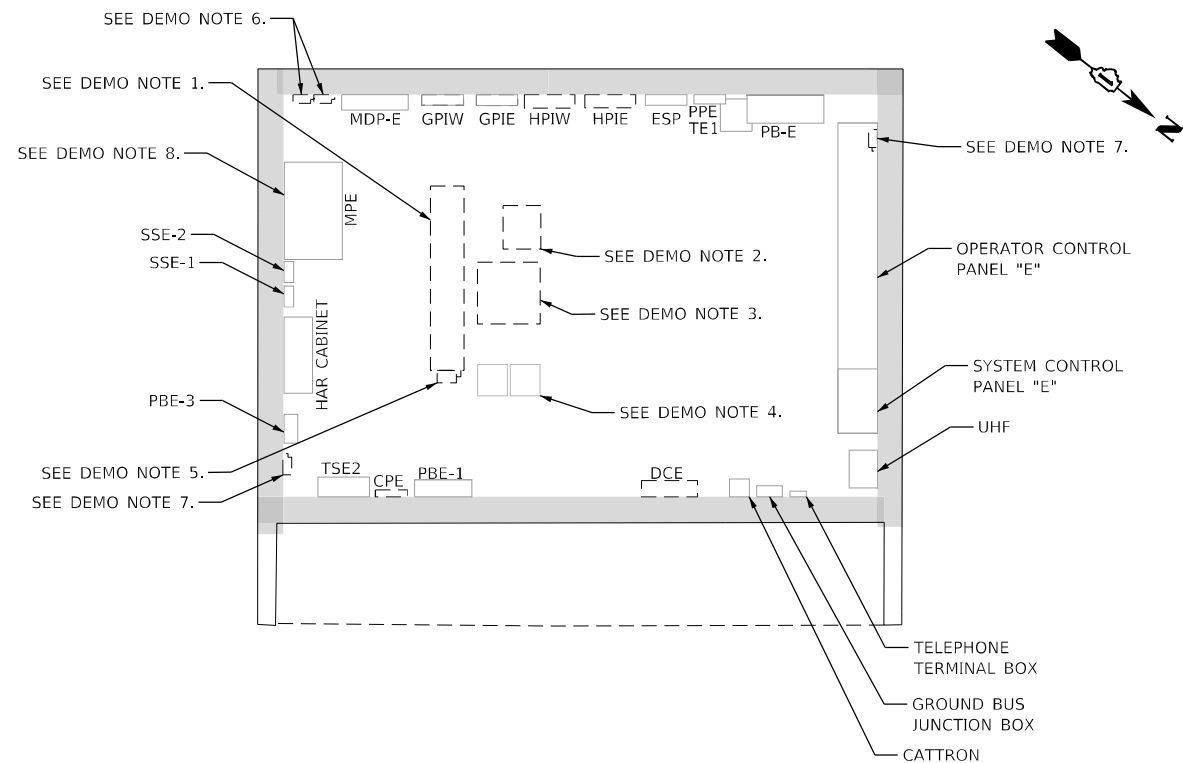
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525 W. Monroe, Suite 1600, Chicago, IL 60661		CHECKED - CRH	REVISED -
		DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

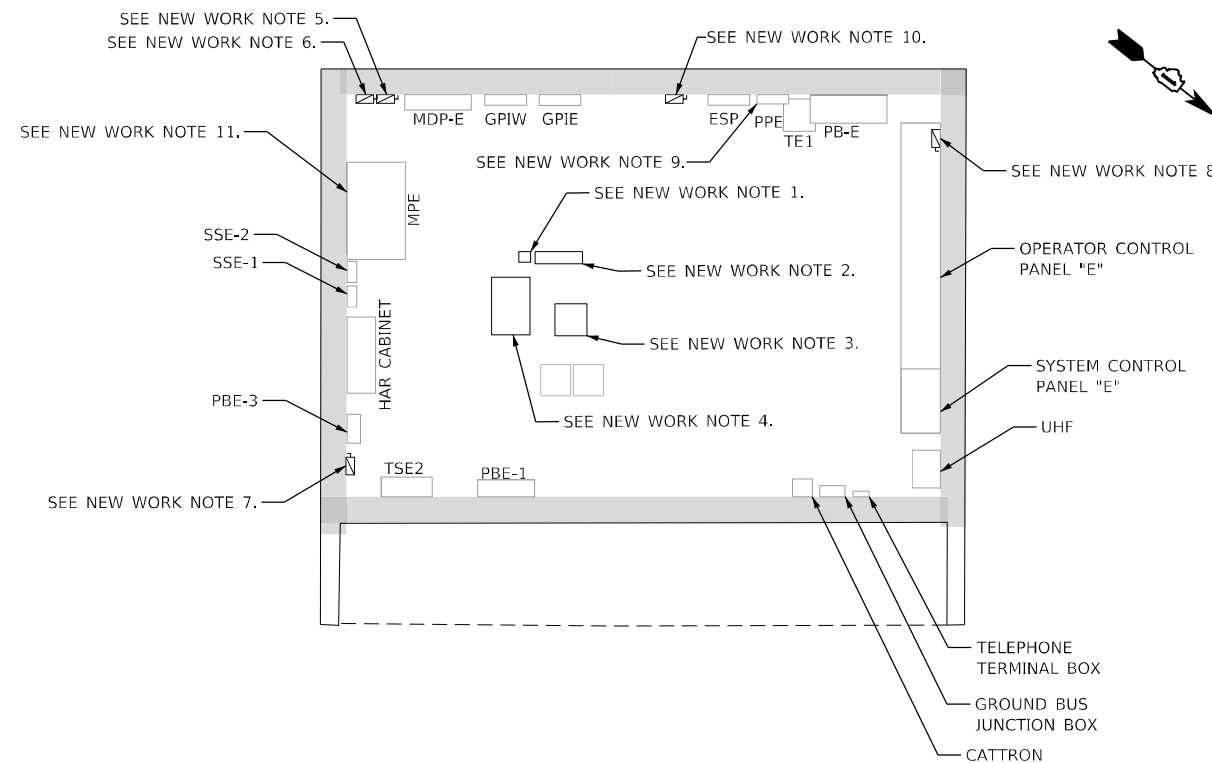
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<b>BUILDING D DEMO/NEW POWER FLOOR PLAN</b>			
SCALE: 1" = 10'	SHEET 8 OF 13 SHEETS	STA. N/A	TO STA. N/A

P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-008I	COOK	268	61
CONTRACT NO. 60T46			ILLINOIS FED. AID PROJECT	

EB-08



**BUILDING E POWER DEMO FLOOR PLAN**  
SCALE: 1" = 10'-0"



**BUILDING E POWER FLOOR PLAN**  
SCALE: 1" = 10'-0"

**GENERAL NOTES**

- CONTRACTOR IS TO FIELD VERIFY LOCATIONS OF EQUIPMENT BEFORE REMOVING. HOLES THAT HAVE BEEN CREATED IN THE WALL BY REMOVING EQUIPMENT AND NEW EQUIPMENT HAS NOT BEEN PUT IN ITS PLACE, SHALL HAVE THE HOLES PATCHED, SEALED AND PAINTED TO MATCH UNDISTURBED WALL.
- PANELBOARD AND UPS BYPASS SWITCH TO BE MOUNTED ON STRUT MOUNTING STRUCTURE.
- SEE SHEET M-104 FOR MECHANICAL EQUIPMENT LOCATIONS.
- SEE SHEETS E-09 AND E-10 FOR EXISTING AND PROPOSED SINGLE LINE DIAGRAMS.
- SEE SHEET M-100 FOR MECHANICAL ABBREVIATIONS. SEE SHEET EB-05 FOR ELECTRICAL ABBREVIATIONS.

**SHEET DEMO NOTES**

- 3 TIER RACK WITH BATTERIES TO BE REMOVED.
- UPSD TO BE REMOVED.
- BATTERY CHARGER TO BE REMOVED.
- MICROWAVE/CCTV RACK TO REMAIN.
- BDE 100A DISCONNECT SWITCH TO BE REMOVED.
- SUPPLY AND RETURN 30A FAN DISCONNECTS TO BE REMOVED.
- EUH DISCONNECT TO BE REMOVED.
- 200A, 2P BREAKER FEEDING BATTERY CHARGER TO BE REMOVED

**SHEET NEW WORK NOTES**

- PROVIDE NEW UPS BYPASS SWITCH.
- PROVIDE NEW 100A PANELBOARD CPE.
- PROVIDE NEW 45 KVA TRANSFORMER.
- PROVIDE NEW 37.5 KVA UPS.
- PROVIDE NEW NEMA SIZE 1 STARTER FOR REF-1. REUSE EXISTING CONDUIT AND WIRE.
- PROVIDE NEW NEMA SIZE 1 STARTER FOR RSF-1. REUSE EXISTING CONDUIT AND WIRE.
- PROVIDE NEW NEMA SIZE 1 STARTER FOR EUH-1. REUSE EXISTING CONDUIT AND WIRE.
- PROVIDE NEW NEMA SIZE 1 STARTER FOR EUH-2. REUSE EXISTING CONDUIT AND WIRE.
- CONNECT TO EXISTING SPARE 20A/2P BREAKER AT PANEL PP-E: 20, 22 FOR ACU-2/CU-2.
- PROVIDE NEW NEMA SIZE 1 STARTER FOR ACU-2/CU-2.
- PROVIDE NEW 60A, 3P BREAKER (50AT) AT PANEL MPE FOR NEW TRANSFORMER "TE2."

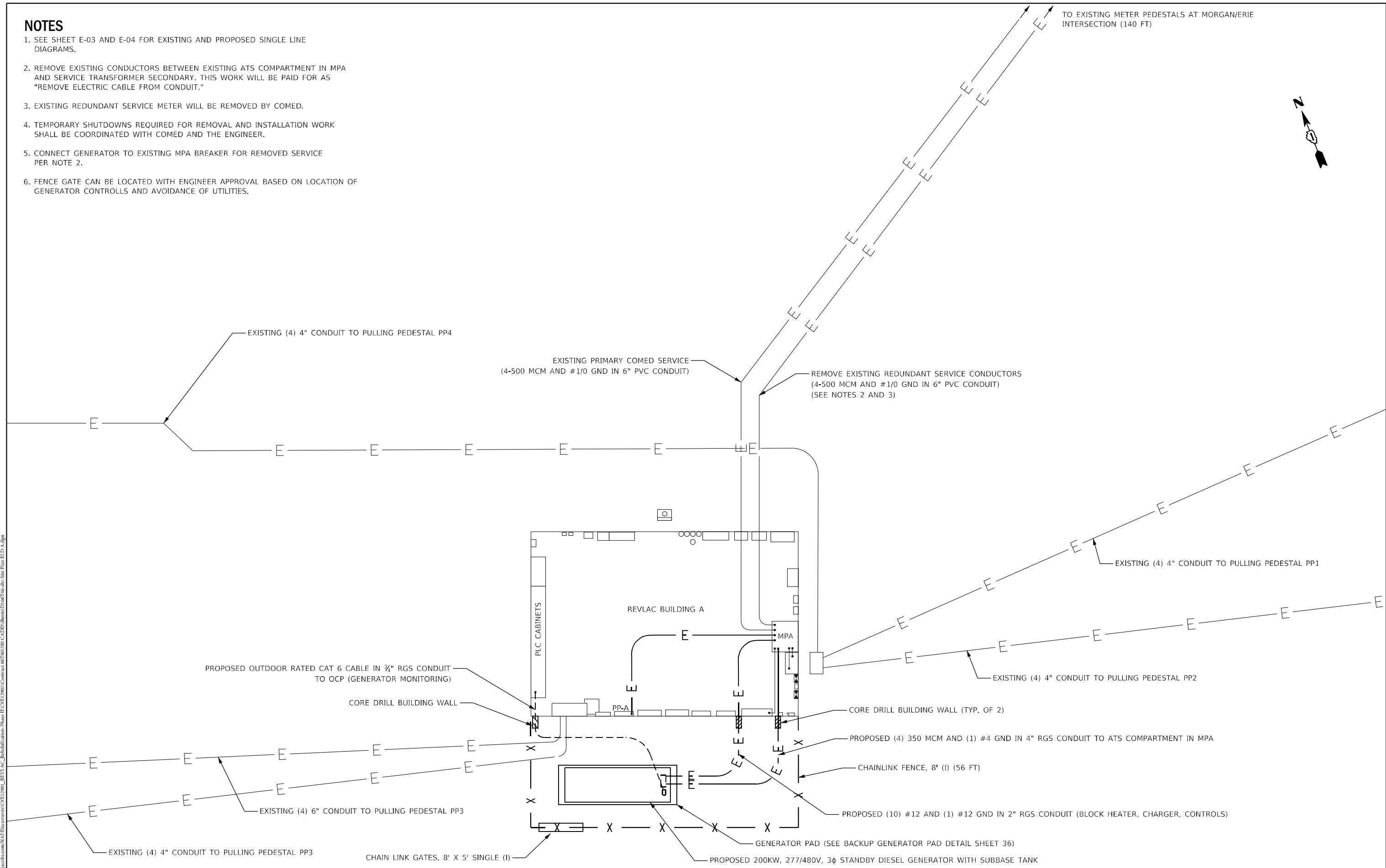
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	DATE - 1/27/2022	REVISED -

P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-008I	COOK	268	62
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T46	

**NOTES**

1. SEE SHEET E-03 AND E-04 FOR EXISTING AND PROPOSED SINGLE LINE DIAGRAMS.
2. REMOVE EXISTING CONDUCTORS BETWEEN EXISTING ATS COMPARTMENT IN MPA AND SERVICE TRANSFORMER SECONDARY. THIS WORK WILL BE PAID FOR AS "REMOVE ELECTRIC CABLE FROM CONDUIT."
3. EXISTING REDUNDANT SERVICE METER WILL BE REMOVED BY COMED.
4. TEMPORARY SHUTDOWNS REQUIRED FOR REMOVAL AND INSTALLATION WORK SHALL BE COORDINATED WITH COMED AND THE ENGINEER.
5. CONNECT GENERATOR TO EXISTING MPA BREAKER FOR REMOVED SERVICE PER NOTE 2.
6. FENCE GATE CAN BE LOCATED WITH ENGINEER APPROVAL BASED ON LOCATION OF GENERATOR CONTROLS AND AVOIDANCE OF UTILITIES.

TO EXISTING METER PEDESTALS AT MORGAN/ERIE INTERSECTION (140 FT)



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	PLOT SCALE = 10.00' / in.	CHECKED - CRH	REVISED -		SCALE: 1"=5'	SHEET 10 OF 13 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 60T46		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 3/22/2022	DATE - 1/27/2022	REVISED -										

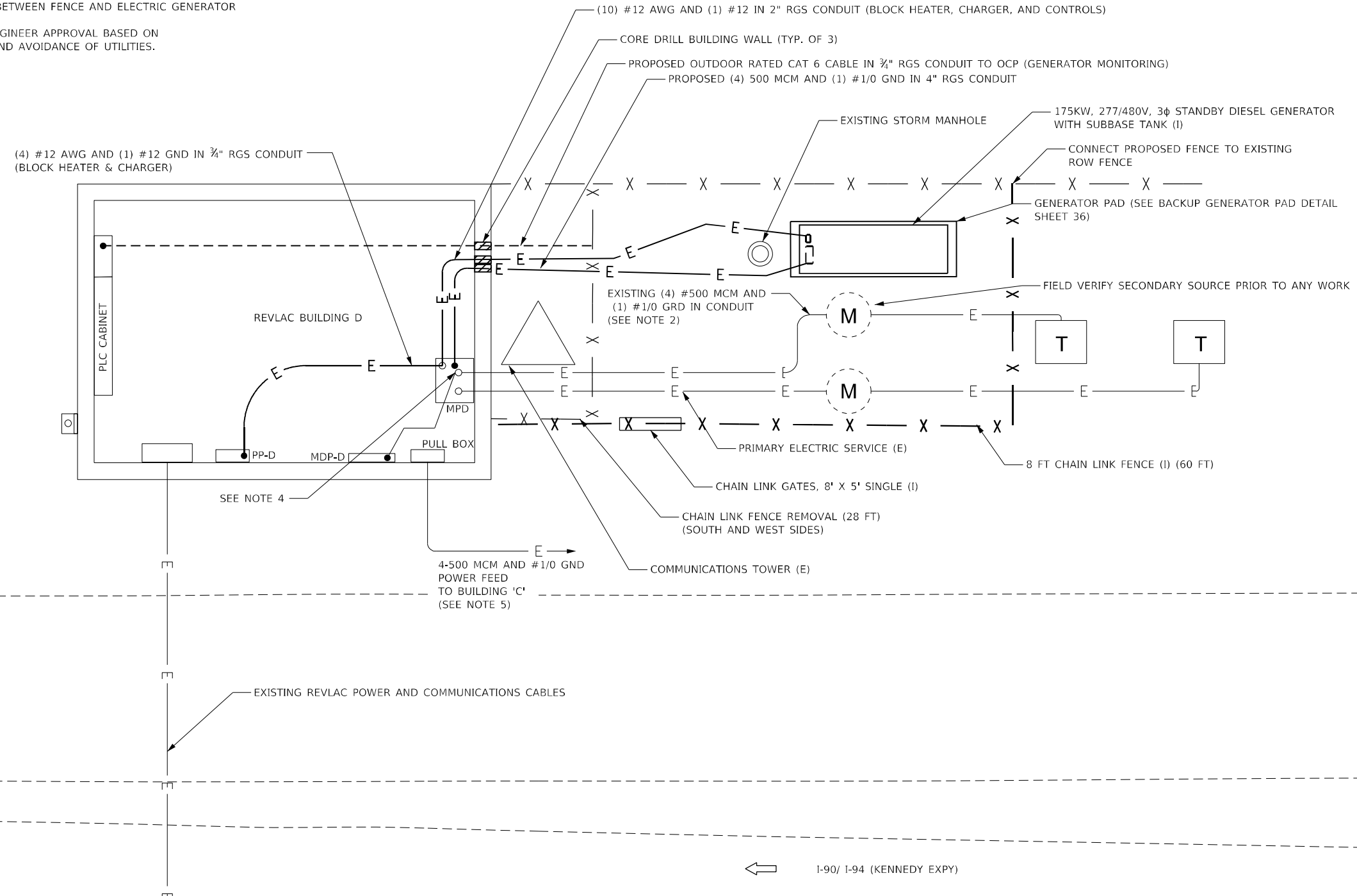
EB-10





**NOTES**

1. SEE SHEETS E-07 AND E-08 FOR EXISTING AND PROPOSED SINGLE LINE DIAGRAMS.
2. REMOVE EXISTING CONDUCTORS BETWEEN EXISTING ATS COMPARTMENT IN MPD AND TRANSFORMER SECONDARY. THIS WORK WILL BE PAID FOR AS "REMOVE ELECTRIC CABLE FROM CONDUIT."
3. TEMPORARY SHUTDOWNS REQUIRED FOR REMOVAL AND INSTALLATION WORK SHALL BE COORDINATED WITH COMED AND THE ENGINEER.
4. INSTALL NEW 4-500 MCM BETWEEN TRANSFORMER SECONDARY OF SECONDARY SOURCE AND NEW JUNCTION BOX ADJACENT TO MPD. EXISTING METER PEDESTAL TO BE REMOVED BY COMED.
5. EXISTING UNDERGROUND CABLE TO BE REUSED FOR NEW SERVICE TO BUILDING "C". DISCONNECT EXISTING BUILDING C FEEDER IN MDP-D. INSTALL NEW 4-500 MCM IN 4" RGS BETWEEN EXISTING GUTTER ADJACENT TO MDP-D AND NEW JUNCTION BOX ADJACENT TO MDP.
6. LOCATION IS APPROXIMATE. CONTRACTOR TO CONFIRM ROUTING.
7. MAINTAIN MINIMUM OF 5' SEPARATION BETWEEN FENCE AND ELECTRIC GENERATOR
8. FENCE GATE CAN BE LOCATED WITH ENGINEER APPROVAL BASED ON LOCATION OF GENERATOR CONTROLS AND AVOIDANCE OF UTILITIES.



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**Jacobs**  
 525 W. Monroe, Suite 1600, Chicago, IL 60661

USER NAME = korabmp  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

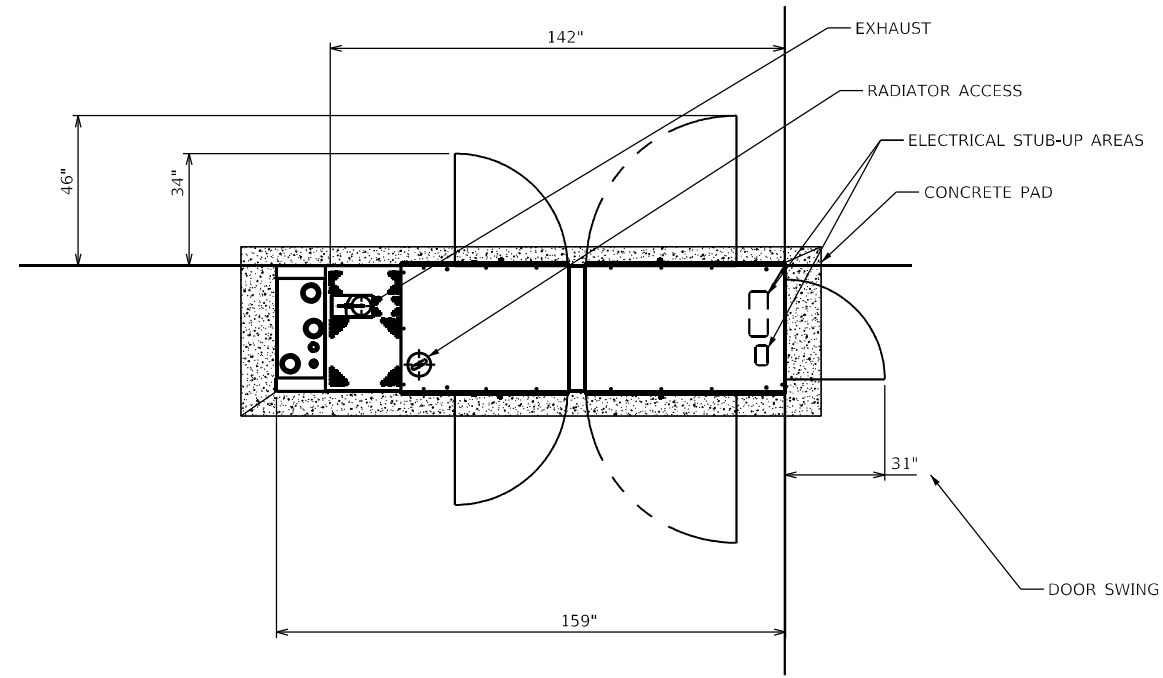
**BUILDING AND SITE ELECTRICAL PLANS**  
**REVLAC BUILDING D SITE PLAN**

SCALE: 1"=5'  
 SHEET 12 OF 13 SHEETS  
 STA. N/A TO STA. N/A

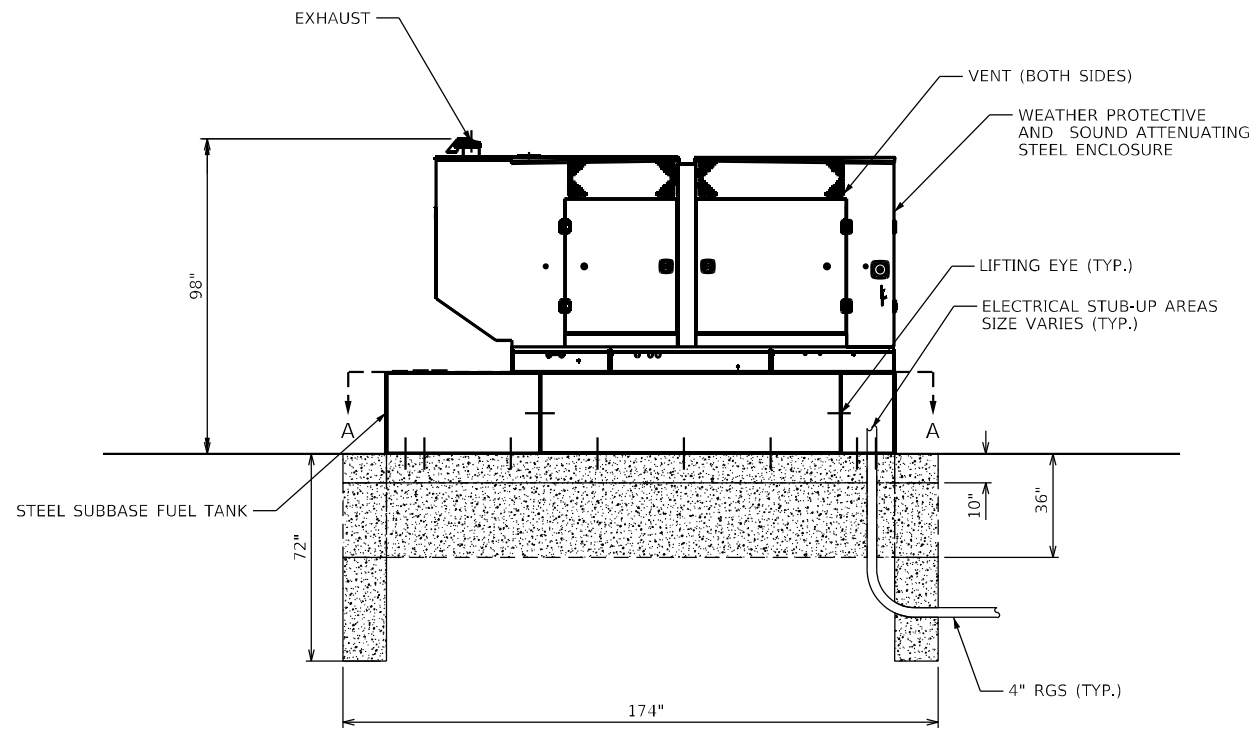
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	65
CONTRACT NO.			60T46	
ILLINOIS FED. AID PROJECT				

EB-12

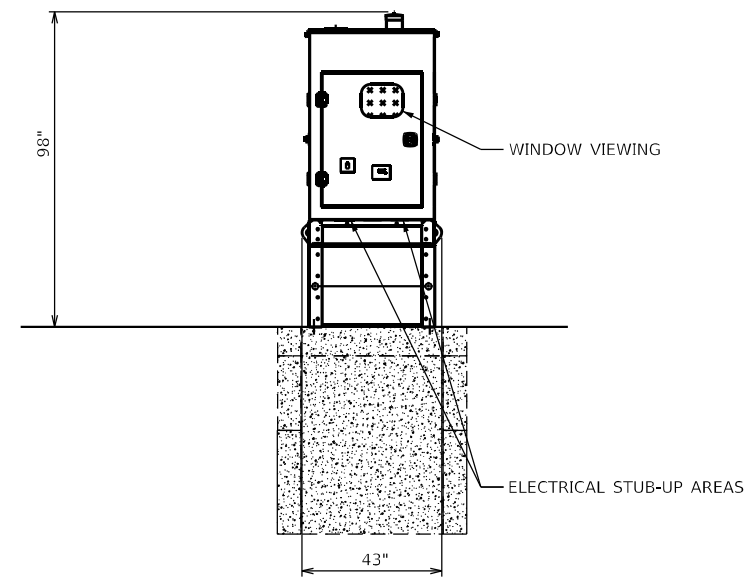




**TOP VIEW**



**LEFT SIDE VIEW**



**REAR VIEW**

BUILDING	SIZE	VOLTAGE	PHASE
A	200 kW	480 V	3, 4 WIRE
C	150 kW	480 V	3, 4 WIRE
D	175 kW	480 V	3, 4 WIRE
E	175 kW	480 V	3, 4 WIRE

**NOTES**

1. THE DIMENSIONS SHOWN ARE REPRESENTATIVE OF A CATERPILLAR GENSET. COORDINATE ACTUAL DIMENSIONS WITH MANUFACTURER AND ADJUST CONDUIT AND ANCHOR POSITIONS IN FOUNDATION IF NECESSARY.
2. SEE BUILDING A SITE PLAN SHEET #38 FOR FOUNDATION AND BAR DETAILS. TYPICAL FOR ALL FOUNDATIONS. FOUNDATION IS PAID FOR SEPARATELY.
3. BOND AND GROUND EACH GENERATOR ACCORDING TO ARTICLE 250 FOR A SEPARATELY DERIVED ALTERNATING CURRENT SYSTEM.

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	PLOT DATE = 3/22/2022	DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BACKUP GENERATOR DETAIL**

SCALE: NTS SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	67
CONTRACT NO.			60746	
ILLINOIS		FED. AID PROJECT		

# STAGING SEQUENCE

## STAGE 1: FALL 2022/WINTER 2023, ITS INSTALLATION WORK AND ADVANCE REVLAC BUILDING WORK

### CONSTRUCTION

1. INSTALL ITS DEVICES.
2. ADVANCE REVLAC BUILDING WORK

### TRAFFIC CONTROL

1. TEMPORARY CLOSURES AS NECESSARY.

## STAGE 2: SPRING 2023, REVLAC REHAB/REPLACEMENT

### CONSTRUCTION

1. REMOVE AND INSTALL SWING GATES 1-5 AT EACH ENTRANCE LOCATION

### TRAFFIC CONTROL

1. APPLY OVERNIGHT LANE CLOSURE TO LANE 1 AS ALLOWED IN THE KEOTT SPECIAL PROVISION.

## STAGE 3: SUMMER/FALL 2023, REVLAC REHAB/REPLACEMENT AND TESTING

### CONSTRUCTION

1. REMOVE AND REPLACE REMAINING SWING GATES. REMOVE AND REPLACE RESTRAINING BARRIERS, INSTALL ADDITIONAL CONTROL CABINETS, AND REHABILITATE MEDIAN BARRIER WALLS.
2. REVLAC SYSTEM TESTING AND ACCEPTANCE.
3. UPON REVLAC SYSTEM ACCEPTANCE, REMOVE TEMPORARY BARRIER AND PAVEMENT MARKING AND RESTORE PAVEMENT MARKINGS TO ORIGINAL CONDITION.

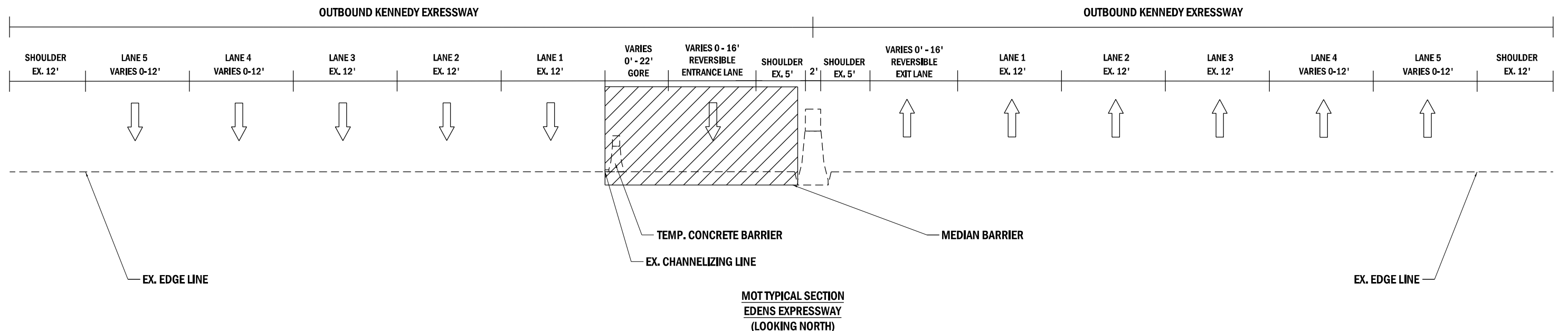
### TRAFFIC CONTROL

1. REVERSIBLE LANES WILL BE CLOSED TO TRAFFIC APRIL 1, 2023 THROUGH NOVEMBER 17, 2023. PLACE TEMPORARY CONCRETE BARRIER AS SHOWN ON PLANS, ALONG REVERSIBLE ENTRANCES LANE LINE.
2. DURING REVLAC TESTING, CHANGEABLE MESSAGE SIGNS WILL BE IN PLACE TO INDICATE TO TRAFFIC THAT REVERSIBLE LANES ARE CLOSED, AS OVERHEAD SIGNING MAY INDICATE OTHERWISE.

# MOT NOTES

1. THE CONTRACTOR'S VEHICLES MUST ALWAYS MOVE WITH AND NOT AGAINST OR ACROSS THE FLOW OF TRAFFIC. THEY MUST ENTER OR LEAVE WORK AREAS IN A MANNER WHICH IS NOT HAZARDOUS TO TRAFFIC AND WILL NOT INTERFERE WITH NORMAL TRAFFIC. THE CONTRACTOR'S VEHICLES MUST NOT PARK OR STOP EXCEPT WITHIN DESIGNATED WORK AREAS. PERSONAL VEHICLES ARE NOT PERMITTED TO PARK WITHIN THE RIGHT-OF-WAY EXCEPT IN AREAS DESIGNATED BY THE ENGINEER.
2. STORING TRAFFIC CONTROL DEVICES ON TOP OF BARRIER WALL IS UNACCEPTABLE AND IS NOT PERMITTED.
3. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 702-4155 A MINIMUM OF 3 BUSINESS DAYS BEFORE BEGINNING WORK.
4. THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLDCDS.COM TWENTY FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP AND SHOULDER CLOSURES.
5. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE FIELD FIT TO CONDITIONS AS DIRECTED BY THE ENGINEER.
6. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER. ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED.
7. TRAFFIC CONDITIONS, CRASHES, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATIONS SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE OF "TRAFFIC CONTROL AND PROTECTION (EXPRESSWAY)". NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. THE MAINTENANCE OF TRAFFIC PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THE CONTRACT. THE CONTRACTOR MAY MODIFY THE MAINTENANCE OF TRAFFIC PLANS TO MEET CONSTRUCTION NEEDS, BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
9. ALL TRAFFIC CONTROL DEVICES INCLUDING, BUT NOT LIMITED TO DRUMS, VERTICAL PANELS, AND BARRICADES IMMEDIATELY ADJACENT TO THE EDGE OF TRAVELED WAY SHALL BE EQUIPPED WITH UNI-DIRECTIONAL STEADY BURNING LIGHTS.
10. THE CONTRACTOR SHALL REMOVE OR COVER ALL EXISTING SIGNS THAT CONFLICT WITH OR DO NOT APPLY TO THE REVISED TRAFFIC PATTERNS AND SHALL RESTORE THE SIGNS AT THE END OF CONSTRUCTION AS DIRECTED BY THE ENGINEER.
11. THE WORK REQUIRED TO COMPLY WITH MAINTENANCE OF TRAFFIC GENERAL NOTES SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS), EXCEPT FOR PAY ITEMS WHICH HAVE BEEN ESTABLISHED IN THE CONTRACT AND ARE SHOWN ON THE PLANS.

12. ALL CONSTRUCTION WARNING SIGNS SHALL BE BLACK LEGEND ON ORANGE BACKGROUND.
13. ALL CONSTRUCTION WARNING SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE SHOWN ON THE PLANS.
14. THE APPROVAL OF THE ENGINEER SHALL BE REQUIRED FOR ALL TEMPORARY TRAFFIC BARRIER WALL OPENINGS NOT SHOWN ON THE PLANS. THE APPROACH END OF TEMPORARY TRAFFIC BARRIER SHALL BE PROTECTED WITH AN NCHRP 350 APPROVED END TREATMENT. SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON I-90 SHALL REQUIRE ADHERENCE TO DISTRICT 1 DETAIL TC-18. THE WORK REQUIRED TO PROVIDE ADDITIONAL TEMPORARY TRAFFIC BARRIER OPENINGS FOR CONTRACTOR'S ACCESS TO WORK AREAS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
15. BARRIER WALL MARKERS SHALL BE INSTALLED ON BOTH THE FACE OF THE TEMPORARY CONCRETE BARRIER WALL NEXT TO TRAFFIC, AND THE TOP OF SECTIONS OF THE TEMPORARY CONCRETE BARRIER WALL AS SHOWN IN STANDARD 704001. THE COLOR OF THESE REFLECTORS SHALL MATCH THE COLOR OF THE EDGELINES (YELLOW ON THE LEFT AND CRYSTAL OR WHITE ON THE RIGHT). IF THE BASE OF THE TEMPORARY CONCRETE BARRIER WALL IS 12 INCHES OR LESS FROM THE TRAVEL LANE, THEN THE LOWER SLOPE OF THE WALL SHALL ALSO HAVE A 6 INCH WIDE TEMPORARY PAVEMENT MARKING EDGELINE (YELLOW ON THE LEFT AND WHITE ON THE RIGHT). TEMPORARY PAVEMENT MARKING ON THE LOWER SLOPE OF THE TEMPORARY CONCRETE BARRIER WALL WILL BE MEASURED AND PAID FOR AS TEMPORARY PAVEMENT MARKING LINE 6" - PAINT.
16. LOCATIONS ARE NOTED ON THE PLANS WHERE TEMPORARY CONCRETE BARRIER (TCB) IS REQUIRED TO BE PINNED TO RESTRAIN THE TEMPORARY CONCRETE WALL FROM MOVEMENT.
17. WHERE WORK AREAS ARE NOT SEPARATED FROM TRAFFIC BY TEMPORARY CONCRETE BARRIER WALL, WORK ON BOTH SIDES OF THE ROADWAY IN THE SAME DIRECTION, DURING THE SAME PERIOD WILL NOT BE ALLOWED.
18. THE CONTRACTOR WILL BE ALLOWED TO IMPLEMENT TEMPORARY LANE CLOSURES, SHOULDER CLOSURES, RAMP CLOSURES (FULL OR PARTIAL) ACCORDING TO THE APPLICABLE IDOT HIGHWAY STANDARDS AND DISTRICT 1 DETAILS.
19. TEMPORARY LANE CLOSURES ALONG I-90 AND I-94 WILL BE ALLOWED DURING THE HOURS SPECIFIED IN THE SPECIAL PROVISION "KEEP THE EXPRESSWAY OPEN TO TRAFFIC".
20. CONTRACTOR SHALL COORDINATE STAGING AND TRAFFIC CONTROL WITH ADJACENT CONTRACTS PER SPECIAL PROVISION "COORDINATION WITH ADJACENT AND/OR OVERLAPPING CONTRACTS". ANY TEMPORARY AND/OR PERMANENT LANE CLOSURES REQUIRED DUE TO TRAFFIC CONTROL AS SHOWN ON THE PLANS SHALL BE COORDINATED WITH ADJACENT CONTRACTS AND APPROVED BY ENGINEER.
21. "OFF PEAK" CLOSURES LISTED ON THE MOT PLAN SHEETS AND SUGGESTED STAGING SEQUENCE REFER TO ALLOWABLE HOURS LISTED IN THE SPECIAL PROVISION "KEEPING THE EXPRESSWAY OPEN TO TRAFFIC".



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FILE NAME = D160746-sh1-MOT-0  
**Jacobs**  
 525 W. Monroe, Suite 1600, Chicago, IL 60661

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	DRAWN - MPK	REVISED -
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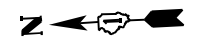
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC**

SCALE: NTS    SHEET 1 OF 7 SHEETS    STA.    TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	68
CONTRACT NO.			60746	
ILLINOIS		FED. AID PROJECT		

MOT

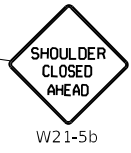
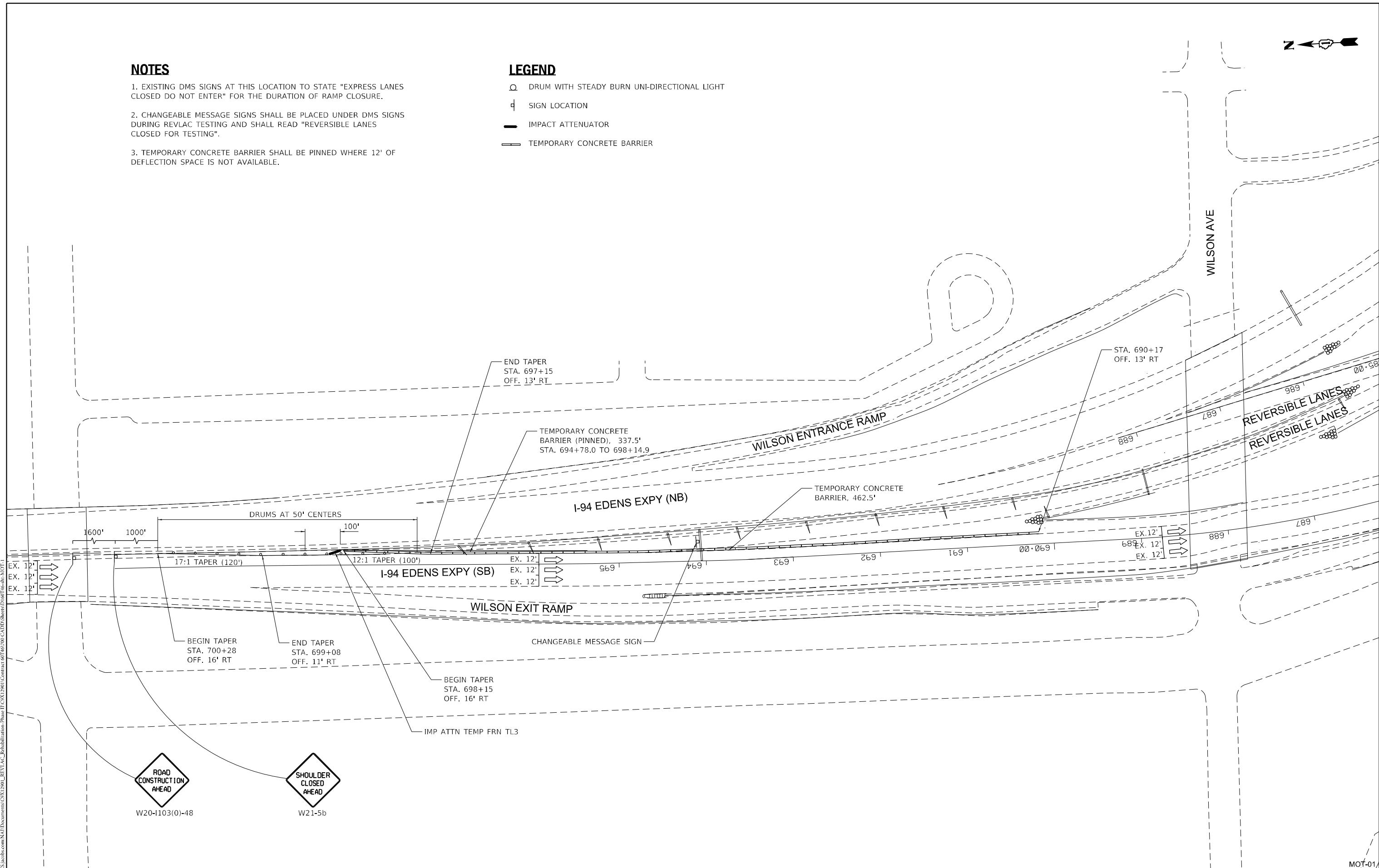


**NOTES**

1. EXISTING DMS SIGNS AT THIS LOCATION TO STATE "EXPRESS LANES CLOSED DO NOT ENTER" FOR THE DURATION OF RAMP CLOSURE.
2. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED UNDER DMS SIGNS DURING REVLAC TESTING AND SHALL READ "REVERSIBLE LANES CLOSED FOR TESTING".
3. TEMPORARY CONCRETE BARRIER SHALL BE PINNED WHERE 12' OF DEFLECTION SPACE IS NOT AVAILABLE.

**LEGEND**

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- IMPACT ATTENUATOR
- ▬ TEMPORARY CONCRETE BARRIER



FILE NAME = D:\160746\401-MOT-1  
**Jacobs**  
 525 W. Monroe, Suite 1600, Chicago, IL 60661

USER NAME = korabmp  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 3/22/2022

DESIGNED - RH  
 DRAWN - MPK  
 CHECKED - MMK  
 DATE - 1/27/2022

REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

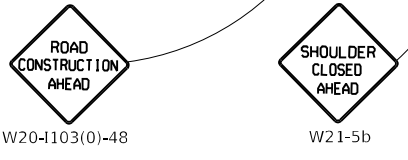
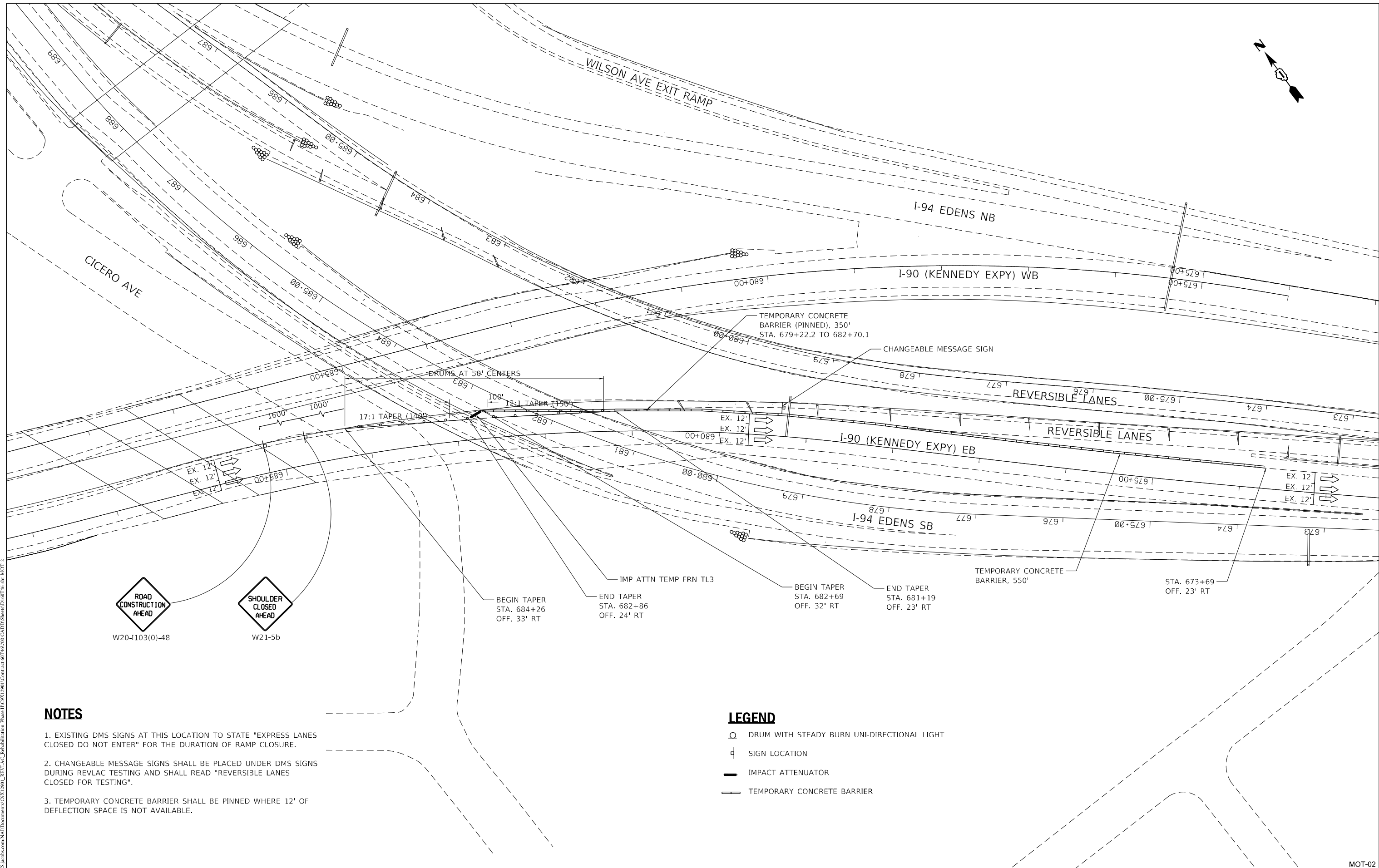
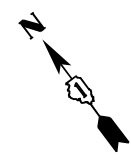
**MAINTENANCE OF TRAFFIC  
 INBOUND EDENS EXPRESSWAY**

SCALE: 1"=100'    SHEET 2 OF 7 SHEETS    STA.    TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	69
CONTRACT NO. 60746				
ILLINOIS FED. AID PROJECT				

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MOT-01



**NOTES**

1. EXISTING DMS SIGNS AT THIS LOCATION TO STATE "EXPRESS LANES CLOSED DO NOT ENTER" FOR THE DURATION OF RAMP CLOSURE.
2. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED UNDER DMS SIGNS DURING REVLAC TESTING AND SHALL READ "REVERSIBLE LANES CLOSED FOR TESTING".
3. TEMPORARY CONCRETE BARRIER SHALL BE PINNED WHERE 12' OF DEFLECTION SPACE IS NOT AVAILABLE.

**LEGEND**

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER

FILE NAME = D160746-sh4MOT-2  
**Jacobs**  
 525 W. Monroe, Suite 1600, Chicago, IL 60661

USER NAME = korabmp  
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DESIGNED -	REVISED -
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CHECKED -	REVISED -
DATE -	REVISED -

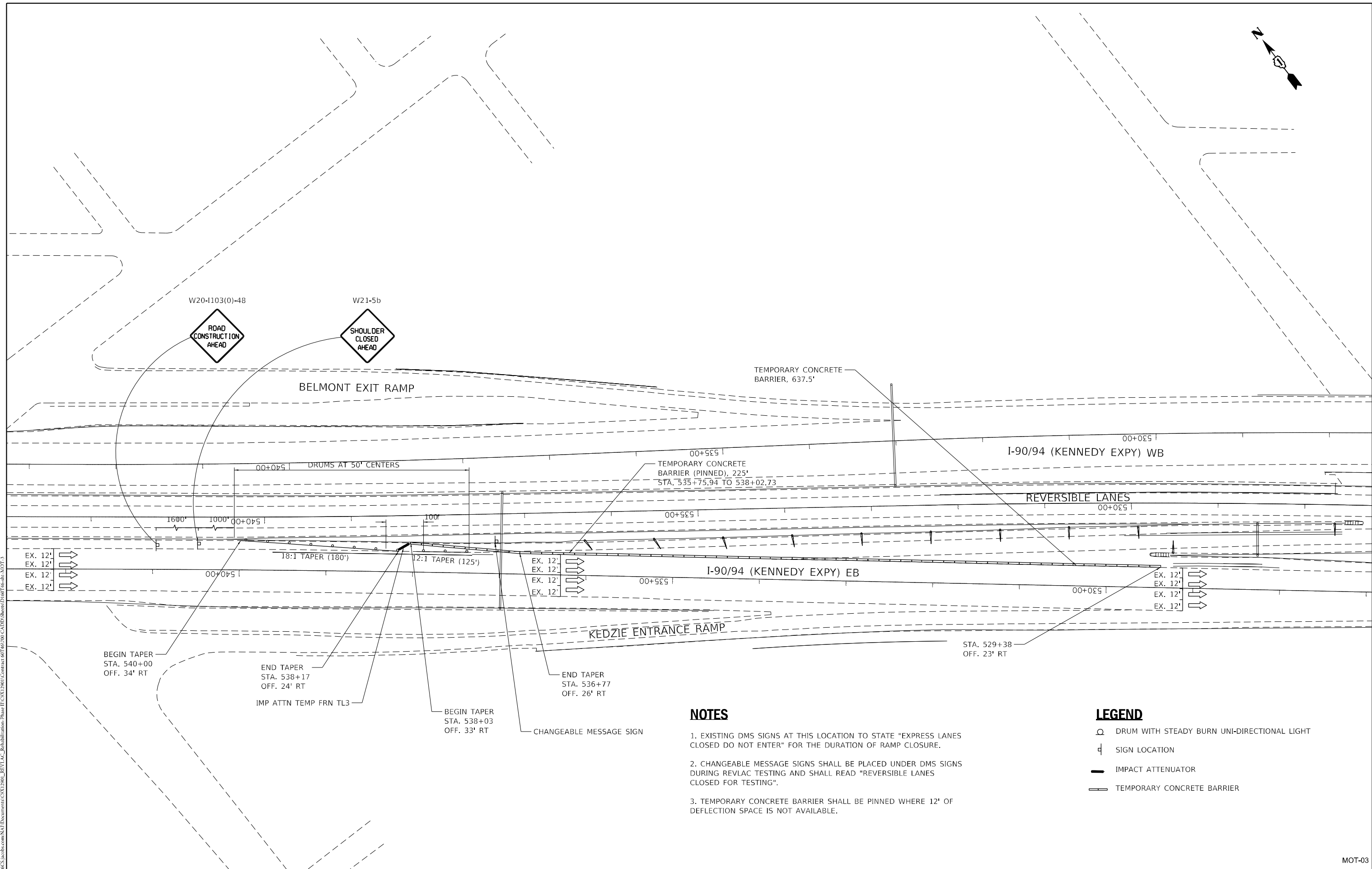
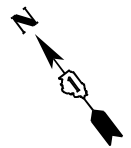
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
 SOUTHEAST BOUND KENNEDY WEST LEG**

SCALE: 1"=100'    SHEET 3 OF 7 SHEETS    STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	70
CONTRACT NO.			60746	
ILLINOIS FED. AID PROJECT				

MOT-02



**NOTES**

- EXISTING DMS SIGNS AT THIS LOCATION TO STATE "EXPRESS LANES CLOSED DO NOT ENTER" FOR THE DURATION OF RAMP CLOSURE.
- CHANGEABLE MESSAGE SIGNS SHALL BE PLACED UNDER DMS SIGNS DURING REVLAC TESTING AND SHALL READ "REVERSIBLE LANES CLOSED FOR TESTING".
- TEMPORARY CONCRETE BARRIER SHALL BE PINNED WHERE 12' OF DEFLECTION SPACE IS NOT AVAILABLE.

**LEGEND**

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER

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**Jacobs**  
525 W. Monroe, Suite 1600, Chicago, IL 60661

USER NAME = korabmp  
PLOT SCALE = 100.0000' / in.  
PLOT DATE = 3/22/2022

DESIGNED -  
DRAWN -  
CHECKED -  
DATE - 1/27/2022

REVISED -  
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REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
INBOUND SLIP RAMP**

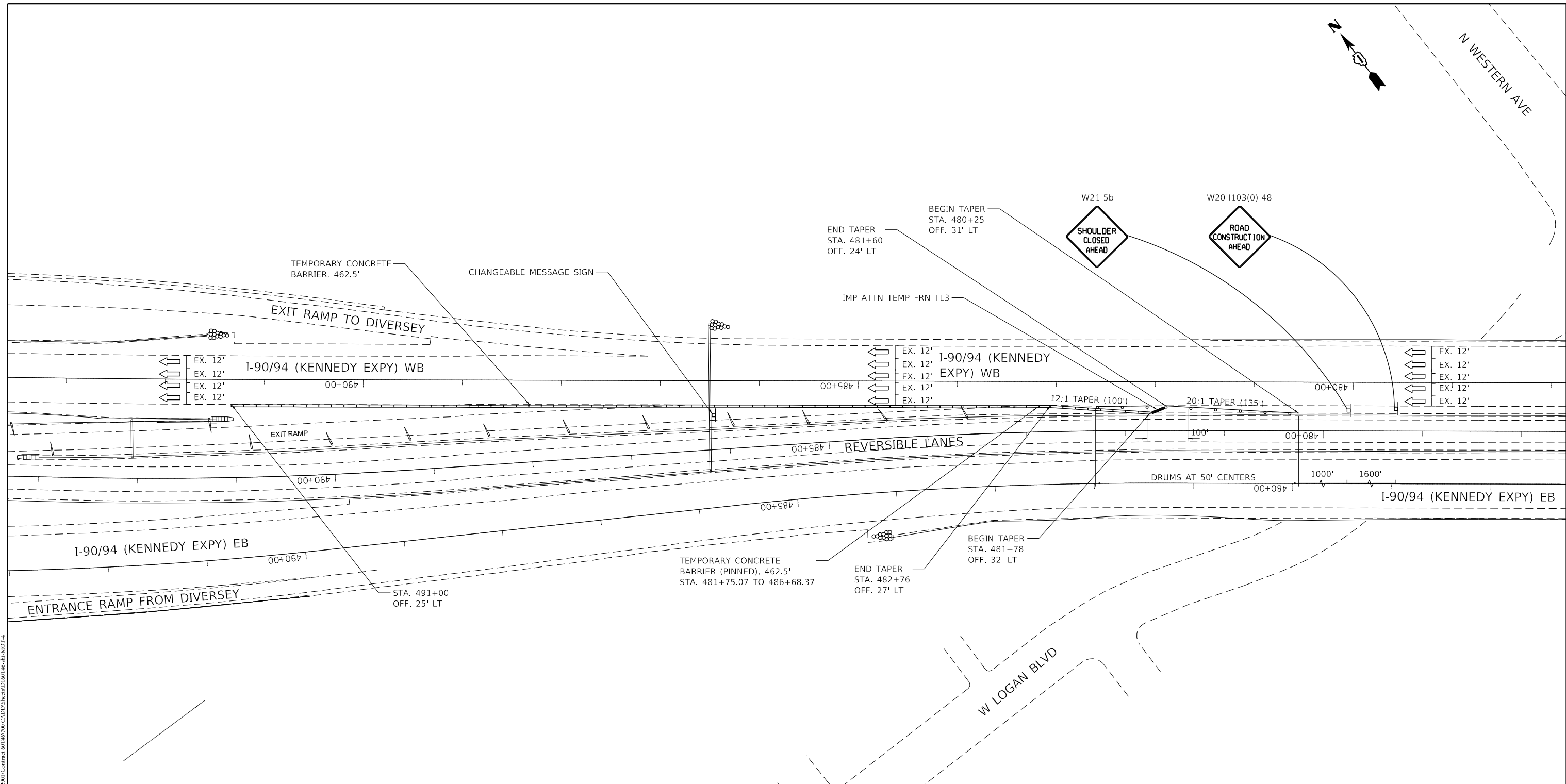
SCALE: 1"=100'    SHEET 4 OF 7 SHEETS    STA.    TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	71
CONTRACT NO.			60746	
ILLINOIS FED. AID PROJECT				

MOT-03



N WESTERN AVE



**NOTES**

1. EXISTING DMS SIGNS AT THIS LOCATION TO STATE "EXPRESS LANES CLOSED DO NOT ENTER" FOR THE DURATION OF RAMP CLOSURE.
2. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED UNDER DMS SIGNS DURING REVLAC TESTING AND SHALL READ "REVERSIBLE LANES CLOSED FOR TESTING".
3. TEMPORARY CONCRETE BARRIER SHALL BE PINNED WHERE 12' OF DEFLECTION SPACE IS NOT AVAILABLE.

**LEGEND**

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER

FILE NAME = D160746-shi4MOT-4  
**Jacobs**  
 525 W. Monroe, Suite 1600, Chicago, IL 60661

USER NAME = korabmp  
 DESIGNED - RH  
 DRAWN - MPK  
 CHECKED - MMK  
 DATE - 1/27/2022

DESIGNED - RH  
 DRAWN - MPK  
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 DATE - 1/27/2022

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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
 OUTBOUND SLIP RAMP**

SCALE: 1"=100' SHEET 5 OF 7 SHEETS STA. TO STA.

P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	72
CONTRACT NO.			60T46	
ILLINOIS FED. AID PROJECT				

MOT-04

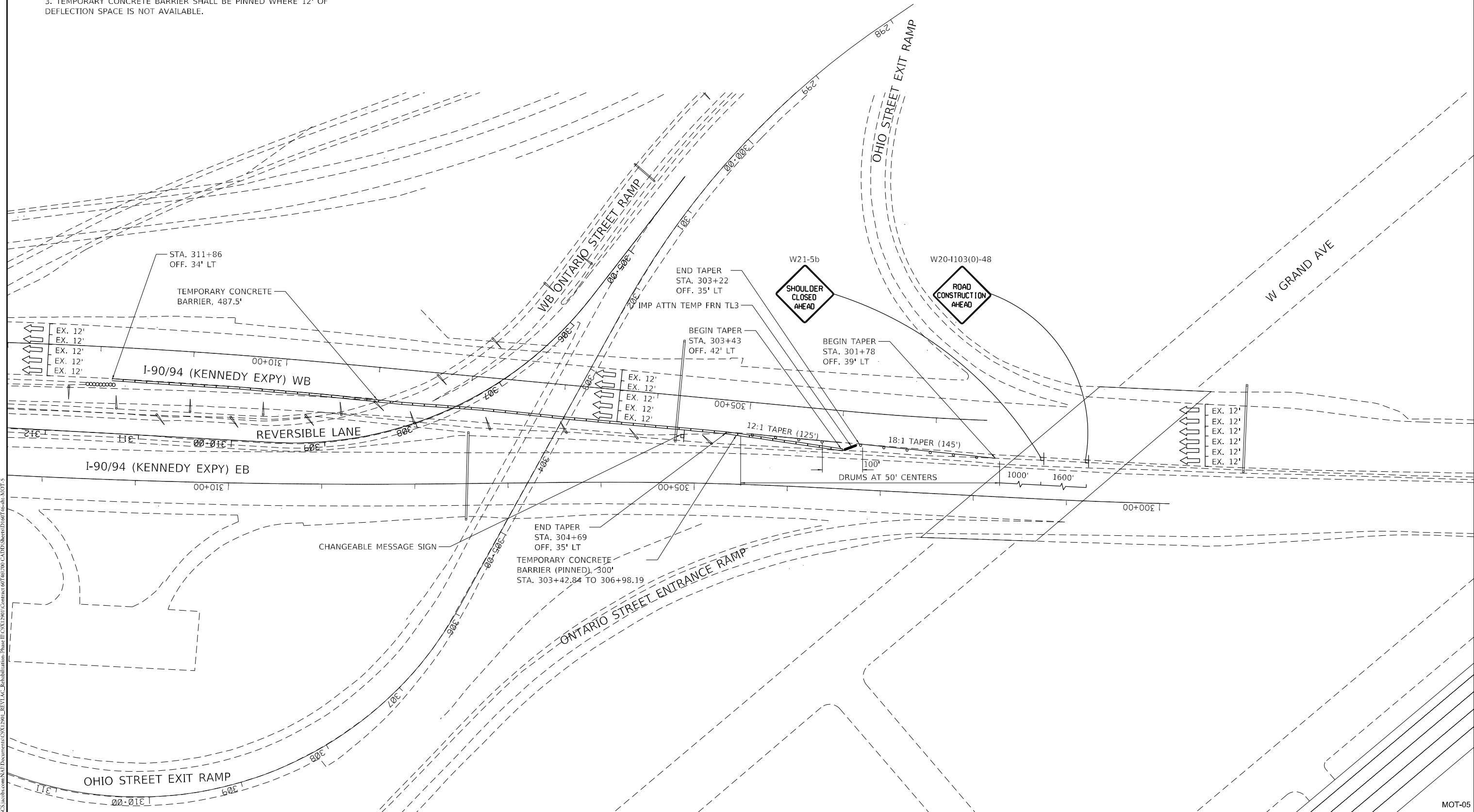
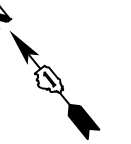


**NOTES**

- EXISTING DMS SIGNS AT THIS LOCATION TO STATE "EXPRESS LANES CLOSED DO NOT ENTER" FOR THE DURATION OF RAMP CLOSURE.
- CHANGEABLE MESSAGE SIGNS SHALL BE PLACED UNDER DMS SIGNS DURING REVLAC TESTING AND SHALL READ "REVERSIBLE LANES CLOSED FOR TESTING".
- TEMPORARY CONCRETE BARRIER SHALL BE PINNED WHERE 12' OF DEFLECTION SPACE IS NOT AVAILABLE.

**LEGEND**

- DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
- SIGN LOCATION
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER



FILE NAME = D160746-shi4MOT-5  
**Jacobs**  
 525 W. Monroe, Suite 1600, Chicago, IL 60661

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PLOT DATE = 3/22/2022	CHECKED - MMK	REVISED -
	DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
 NORTHWEST/OUT BOUND KENNEDY MAIN LINE**

SCALE: 1"=100'    SHEET 6 OF 7 SHEETS    STA. TO STA.





F.A.I. RTE. 90/94	SECTION 2012-0081	COUNTY COOK	TOTAL SHEETS 268	SHEET NO. 73
CONTRACT NO. 60746			MOT-05	
ILLINOIS FED. AID PROJECT				

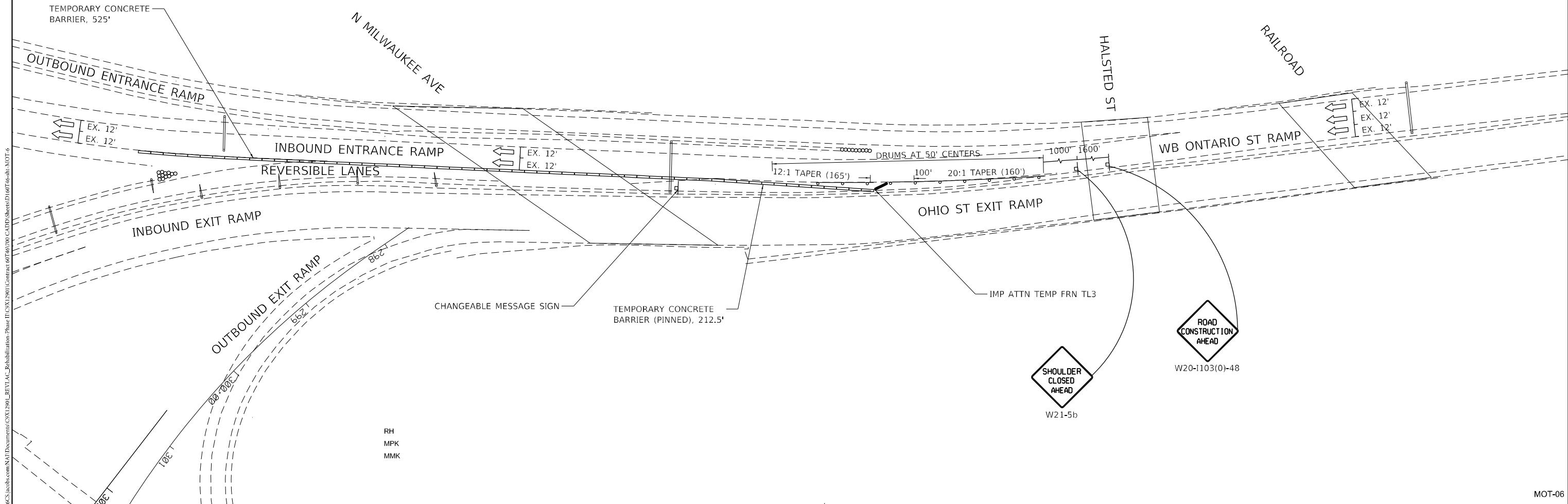


**NOTES**

- EXISTING DMS SIGNS AT THIS LOCATION TO STATE "EXPRESS LANES CLOSED DO NOT ENTER" FOR THE DURATION OF RAMP CLOSURE.
- CHANGEABLE MESSAGE SIGNS SHALL BE PLACED UNDER DMS SIGNS DURING REV/LAC TESTING AND SHALL READ "REVERSIBLE LANES CLOSED FOR TESTING".
- TEMPORARY CONCRETE BARRIER SHALL BE PINNED WHERE 12' OF DEFLECTION SPACE IS NOT AVAILABLE.

**LEGEND**

-  DRUM WITH STEADY BURN UNI-DIRECTIONAL LIGHT
-  SIGN LOCATION
-  IMPACT ATTENUATOR
-  TEMPORARY CONCRETE BARRIER



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**Jacobs**  
 525 W. Monroe, Suite 1600, Chicago, IL 60661

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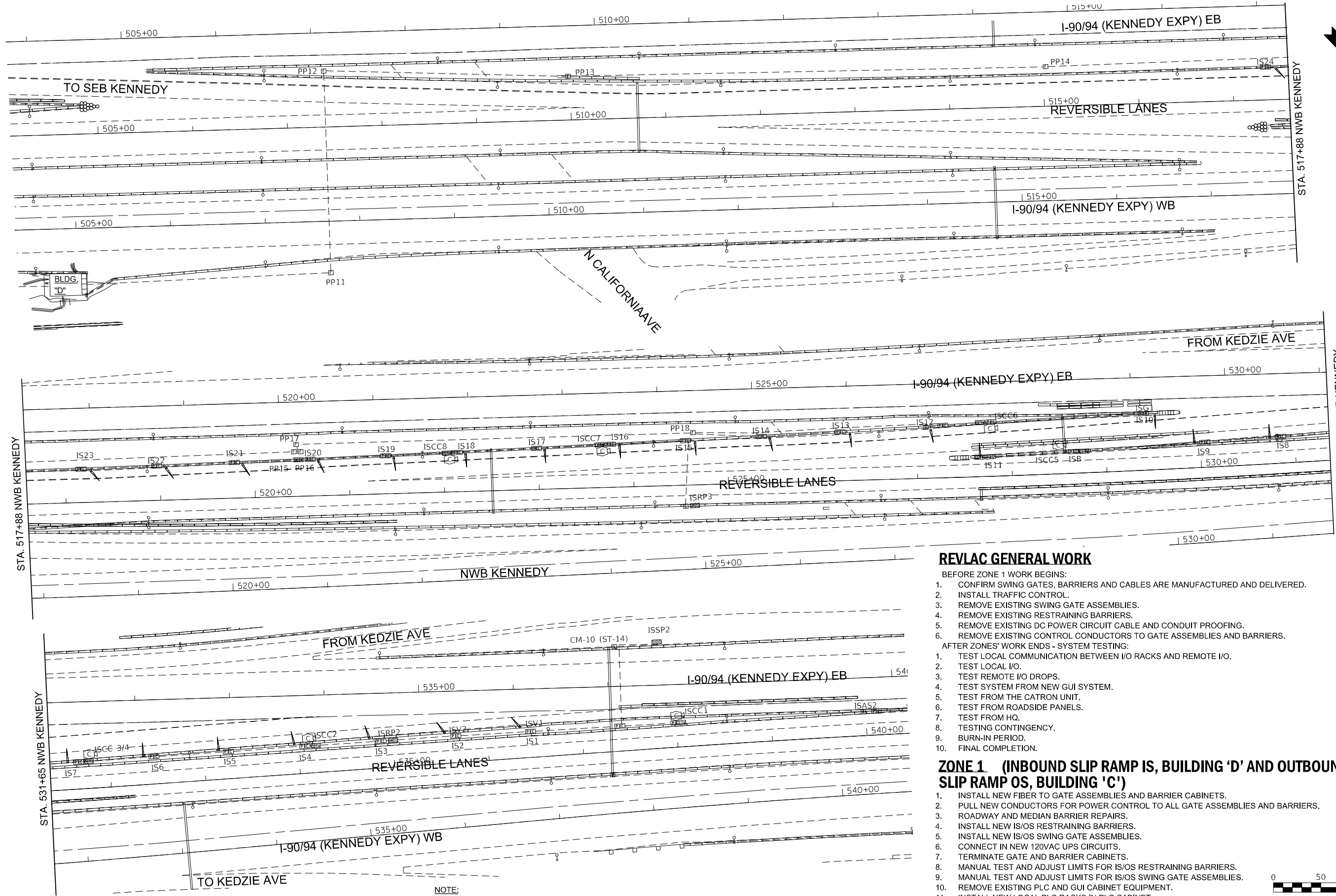
RH
MPK
MMK

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

**MAINTENANCE OF TRAFFIC**  
**WEST/OUT BOUND ONTARIO STREET**

SCALE: 1"=100'    SHEET 7 OF 7 SHEETS    STA.    TO STA.

P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	74
CONTRACT NO.			60T46	
ILLINOIS FED. AID PROJECT				



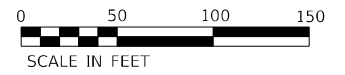
NOTE:  
 SHOULD THE GATE IS4 OPERATIONS FAIL DURING TESTING DUE TO FLEXIBLE TIP CONTACTING TEMPORARY CONCRETE BARRIER, THE CONTRACTOR MAY REMOVE THE FLEXIBLE TIP IN ORDER TO COMPLETE TESTING. THE FLEXIBLE TIP SHALL BE REPLACED AT THE CONCLUSION OF TESTING SEQUENCE.

**REVLAC GENERAL WORK**

- BEFORE ZONE 1 WORK BEGINS:
1. CONFIRM SWING GATES, BARRIERS AND CABLES ARE MANUFACTURED AND DELIVERED.
  2. INSTALL TRAFFIC CONTROL.
  3. REMOVE EXISTING SWING GATE ASSEMBLIES.
  4. REMOVE EXISTING RESTRAINING BARRIERS.
  5. REMOVE EXISTING DC POWER CIRCUIT CABLE AND CONDUIT PROOFING.
  6. REMOVE EXISTING CONTROL CONDUCTORS TO GATE ASSEMBLIES AND BARRIERS.
- AFTER ZONES' WORK ENDS - SYSTEM TESTING:
1. TEST LOCAL COMMUNICATION BETWEEN I/O RACKS AND REMOTE I/O.
  2. TEST LOCAL I/O.
  3. TEST REMOTE I/O DROPS.
  4. TEST SYSTEM FROM NEW GUI SYSTEM.
  5. TEST FROM THE CATRON UNIT.
  6. TEST FROM ROADSIDE PANELS.
  7. TEST FROM HQ.
  8. TESTING CONTINGENCY.
  9. BURN-IN PERIOD.
  10. FINAL COMPLETION.

**ZONE 1 (INBOUND SLIP RAMP IS, BUILDING 'D' AND OUTBOUND SLIP RAMP OS, BUILDING 'C')**

1. INSTALL NEW FIBER TO GATE ASSEMBLIES AND BARRIER CABINETS.
2. PULL NEW CONDUCTORS FOR POWER CONTROL TO ALL GATE ASSEMBLIES AND BARRIERS.
3. ROADWAY AND MEDIAN BARRIER REPAIRS.
4. INSTALL NEW IS/OS RESTRAINING BARRIERS.
5. INSTALL NEW IS/OS SWING GATE ASSEMBLIES.
6. CONNECT IN NEW 120VAC UPS CIRCUITS.
7. TERMINATE GATE AND BARRIER CABINETS.
8. MANUAL TEST AND ADJUST LIMITS FOR IS/OS RESTRAINING BARRIERS.
9. MANUAL TEST AND ADJUST LIMITS FOR IS/OS SWING GATE ASSEMBLIES.
10. REMOVE EXISTING PLC AND GUI CABINET EQUIPMENT.
11. INSTALL NEW LOCAL PLC RACKS IN PLC CABINET.
12. INSTALL NEW PLC AND GUI EQUIPMENT.
13. INSTALL NEW PROGRAMS IN PLC AND HMI.
14. LOCAL TESTING.



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 Engineers & Architects

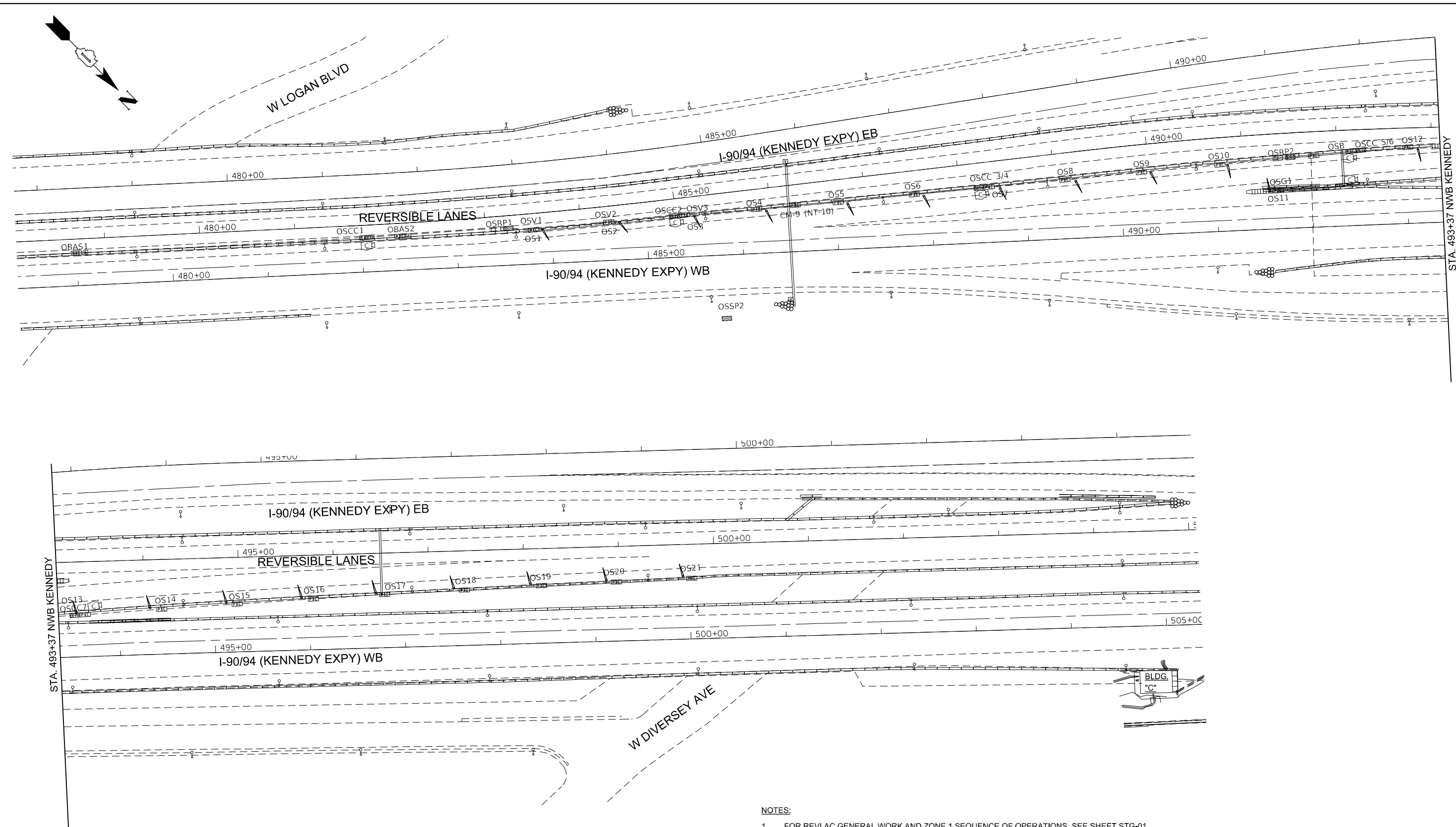
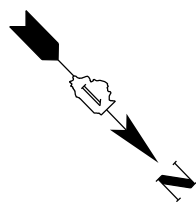
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

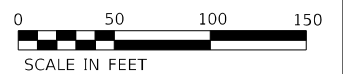
**REVLAC GENERAL WORK AND ZONE 1 SEQUENCE OF OPERATIONS  
 INBOUND SLIP RAMP CONVERSION**

SCALE: 1"=50'    SHEET 1 OF 6 SHEETS    STA. N/A TO STA. N/A

P.A.I. RTE. 90/94	SECTION 2012-008I	COUNTY COOK	TOTAL SHEETS 268	SHEET NO. 75
CONTRACT NO. 60T46			STG-01	
ILLINOIS FED. AID PROJECT				



- NOTES:**
- FOR REV LAC GENERAL WORK AND ZONE 1 SEQUENCE OF OPERATIONS, SEE SHEET STG-01.
  - PRIOR TO TESTING, CONTRACTOR MAY REMOVE THE FLEXIBLE TIP ON GATE OS1 TO AVOID TEST FAILURE DUE TO RESPECTIVE TIP CONTACTING THE TEMPORARY CONCRETE BARRIER.



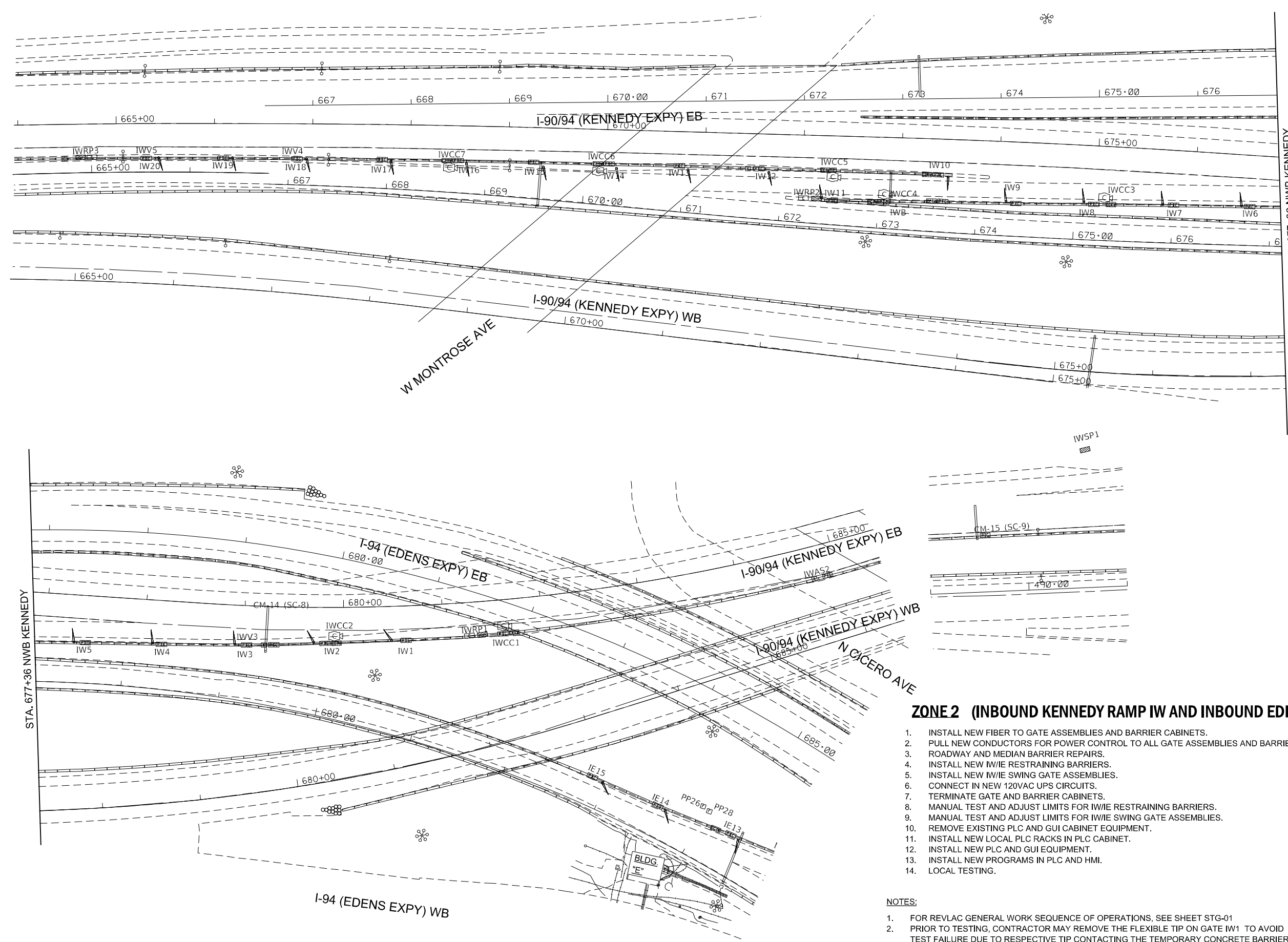
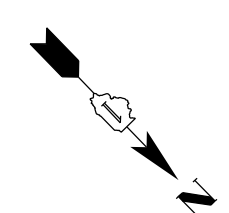
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	PLOT DATE = 3/22/2022	DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ZONE 1 SEQUENCE OF OPERATIONS OUTBOUND SLIP RAMP CONVERSION</b>			
SCALE: 1"=50'	SHEET 2	OF 6 SHEETS	STA. N/A TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	288	76
CONTRACT NO. 60T46			STG-02	
ILLINOIS FED. AID PROJECT				

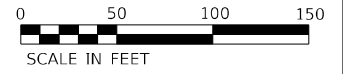


**ZONE 2 (INBOUND KENNEDY RAMP IW AND INBOUND EDENS RAMP IE, BUILDING 'E')**

1. INSTALL NEW FIBER TO GATE ASSEMBLIES AND BARRIER CABINETS.
2. PULL NEW CONDUCTORS FOR POWER CONTROL TO ALL GATE ASSEMBLIES AND BARRIERS.
3. ROADWAY AND MEDIAN BARRIER REPAIRS.
4. INSTALL NEW IW/IE RESTRAINING BARRIERS.
5. INSTALL NEW IW/IE SWING GATE ASSEMBLIES.
6. CONNECT IN NEW 120VAC UPS CIRCUITS.
7. TERMINATE GATE AND BARRIER CABINETS.
8. MANUAL TEST AND ADJUST LIMITS FOR IW/IE RESTRAINING BARRIERS.
9. MANUAL TEST AND ADJUST LIMITS FOR IW/IE SWING GATE ASSEMBLIES.
10. REMOVE EXISTING PLC AND GUI CABINET EQUIPMENT.
11. INSTALL NEW LOCAL PLC RACKS IN PLC CABINET.
12. INSTALL NEW PLC AND GUI EQUIPMENT.
13. INSTALL NEW PROGRAMS IN PLC AND HMI.
14. LOCAL TESTING.

**NOTES:**

1. FOR REV LAC GENERAL WORK SEQUENCE OF OPERATIONS, SEE SHEET STG-01
2. PRIOR TO TESTING, CONTRACTOR MAY REMOVE THE FLEXIBLE TIP ON GATE IW1 TO AVOID TEST FAILURE DUE TO RESPECTIVE TIP CONTACTING THE TEMPORARY CONCRETE BARRIER.



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**KNIGHT**  
Engineers & Architects

USER NAME = korabmp  
PLOT SCALE = 100.00' / in.  
PLOT DATE = 3/22/2022

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CHECKED - PNS  
DATE - 1/27/2022

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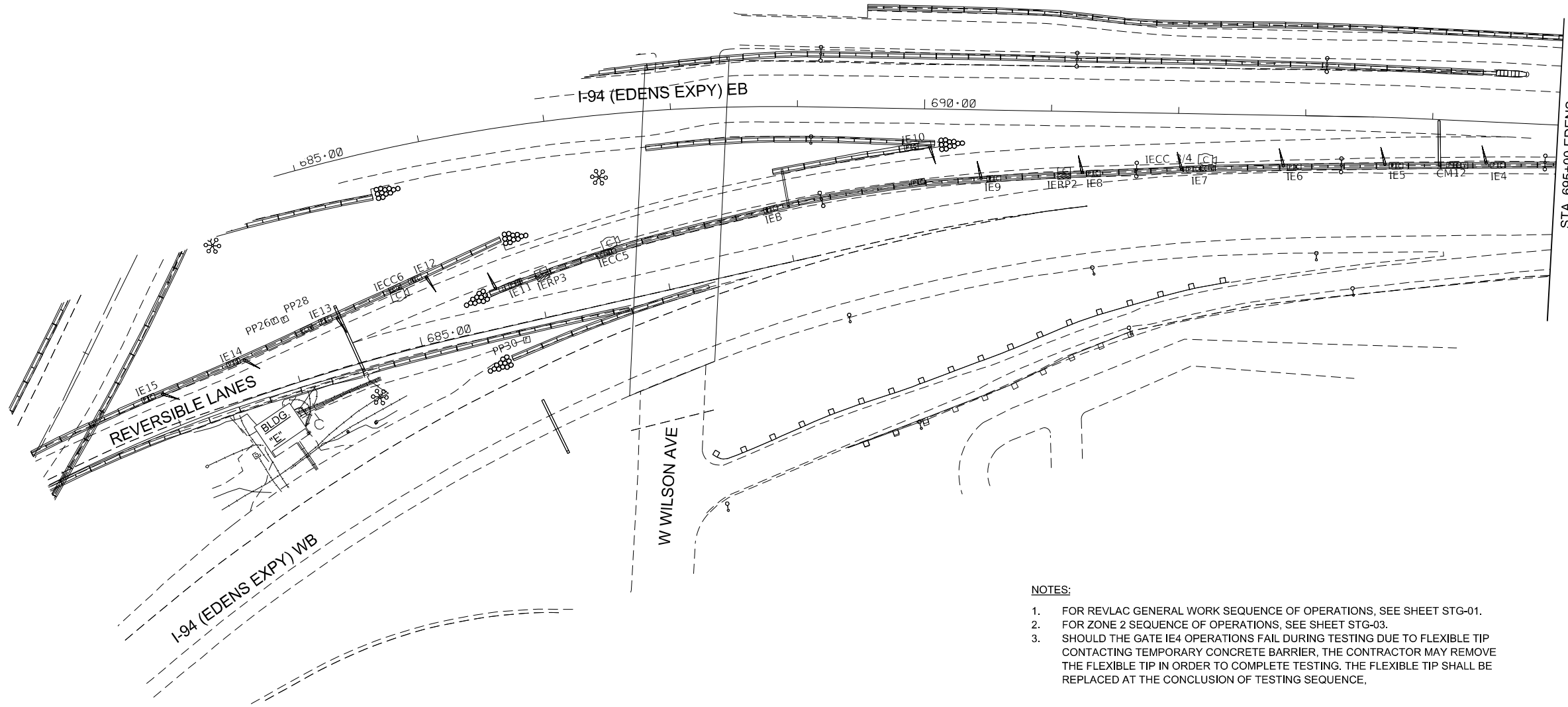
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ZONE 2 SEQUENCE OF OPERATIONS  
INBOUND KENNEDY RAMP CONVERSION**

SCALE: 1"=50'    SHEET 3 OF 6 SHEETS    STA. N/A TO STA. N/A

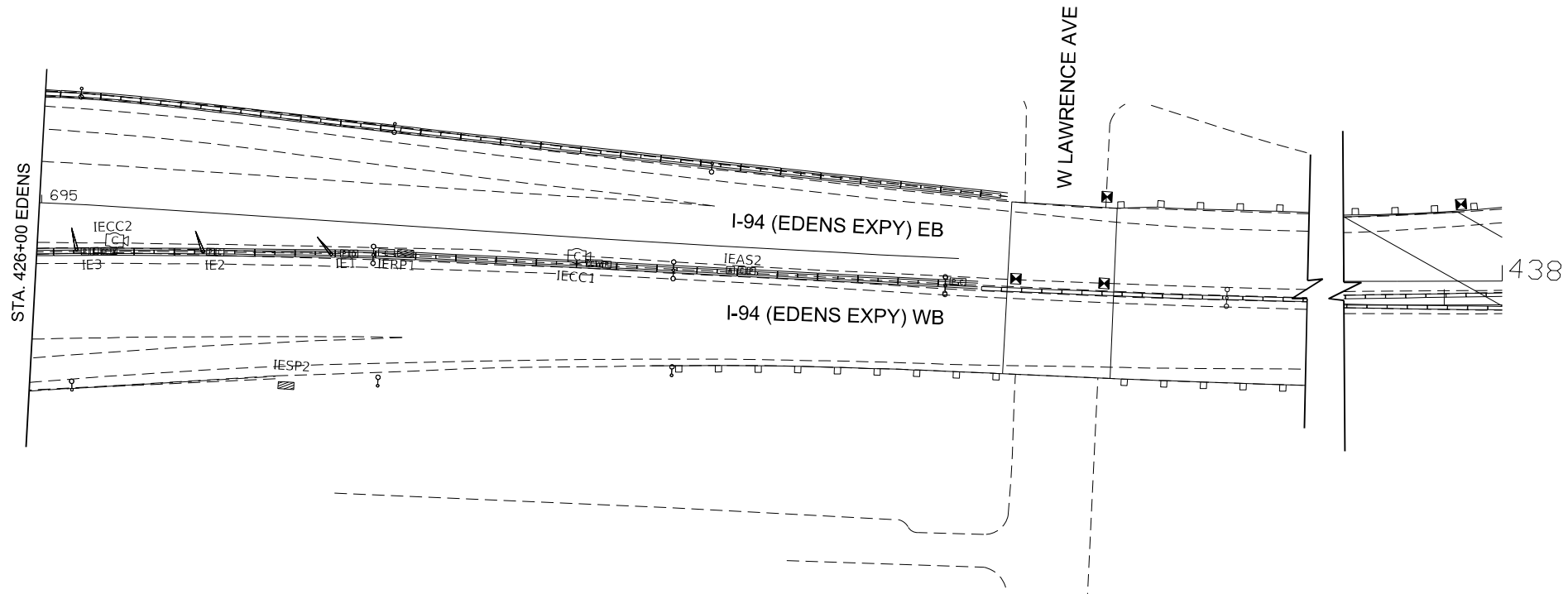
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	77
CONTRACT NO.			60T46	
ILLINOIS FED. AID PROJECT				

STG-03



**NOTES:**

1. FOR REVLAC GENERAL WORK SEQUENCE OF OPERATIONS, SEE SHEET STG-01.
2. FOR ZONE 2 SEQUENCE OF OPERATIONS, SEE SHEET STG-03.
3. SHOULD THE GATE IE4 OPERATIONS FAIL DURING TESTING DUE TO FLEXIBLE TIP CONTACTING TEMPORARY CONCRETE BARRIER, THE CONTRACTOR MAY REMOVE THE FLEXIBLE TIP IN ORDER TO COMPLETE TESTING. THE FLEXIBLE TIP SHALL BE REPLACED AT THE CONCLUSION OF TESTING SEQUENCE.



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**KNIGHT**  
 Engineers & Architects

USER NAME = korabmp  
 PLOT SCALE = 100.00' / in.  
 PLOT DATE = 3/22/2022

DESIGNED - MCP  
 DRAWN - MB  
 CHECKED - PNS  
 DATE - 1/27/2022

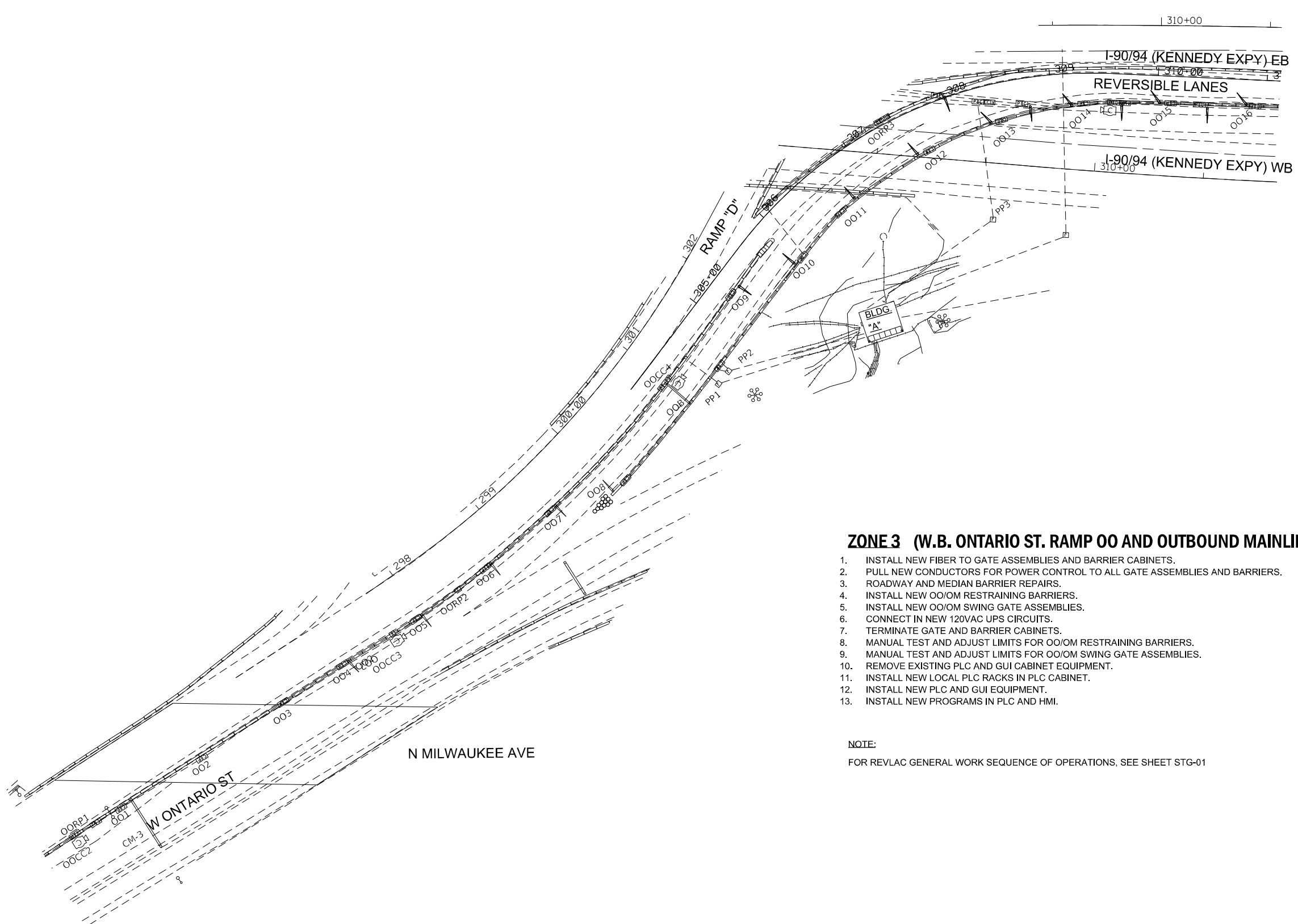
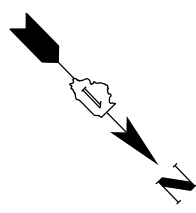
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ZONE 2 SEQUENCE OF OPERATIONS  
 INBOUND EDENS RAMP CONVERSION**  
 SCALE: 1"=50' SHEET 4 OF 6 SHEETS STA. N/A TO STA. N/A

P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	78
CONTRACT NO.			60T46	
ILLINOIS FED. AID PROJECT				

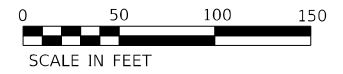
STG-04



**ZONE 3 (W.B. ONTARIO ST. RAMP OO AND OUTBOUND MAINLINE RAMP OM, BUILDING 'A')**

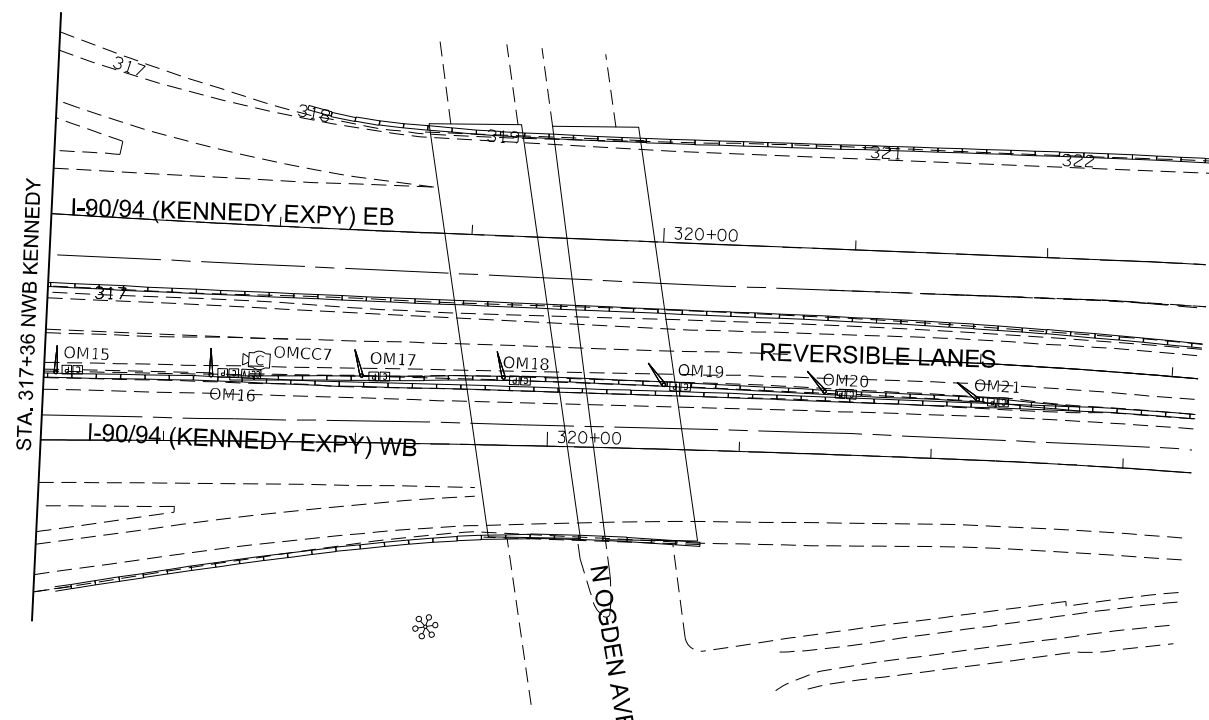
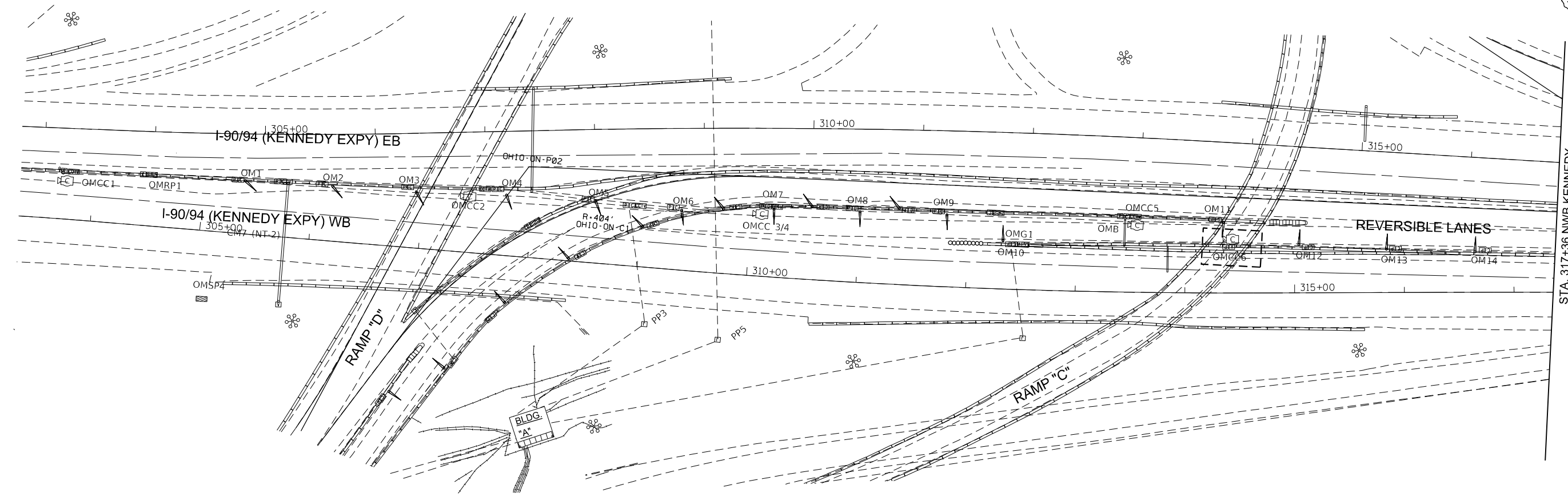
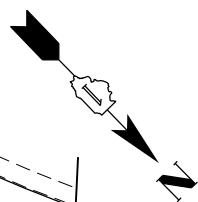
1. INSTALL NEW FIBER TO GATE ASSEMBLIES AND BARRIER CABINETS.
2. PULL NEW CONDUCTORS FOR POWER CONTROL TO ALL GATE ASSEMBLIES AND BARRIERS.
3. ROADWAY AND MEDIAN BARRIER REPAIRS.
4. INSTALL NEW OO/OM RESTRAINING BARRIERS.
5. INSTALL NEW OO/OM SWING GATE ASSEMBLIES.
6. CONNECT IN NEW 120VAC UPS CIRCUITS.
7. TERMINATE GATE AND BARRIER CABINETS.
8. MANUAL TEST AND ADJUST LIMITS FOR OO/OM RESTRAINING BARRIERS.
9. MANUAL TEST AND ADJUST LIMITS FOR OO/OM SWING GATE ASSEMBLIES.
10. REMOVE EXISTING PLC AND GUI CABINET EQUIPMENT.
11. INSTALL NEW LOCAL PLC RACKS IN PLC CABINET.
12. INSTALL NEW PLC AND GUI EQUIPMENT.
13. INSTALL NEW PROGRAMS IN PLC AND HMI.

**NOTE:**  
FOR REV LAC GENERAL WORK SEQUENCE OF OPERATIONS, SEE SHEET STG-01



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<b>KNIGHT</b> Engineers & Architects	USER NAME = korabmp	DESIGNED - MCP	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ZONE 3 SEQUENCE OF OPERATIONS</b> <b>W.B. ONTARIO RAMP CONVERSION</b>	P.A.I. RTE. 90/94	SECTION 2012-0081	COUNTY COOK	TOTAL SHEETS 268	SHEET NO. 79
	PLOT SCALE = 100.00' / in.	CHECKED - PNS	REVISED -			SCALE: 1"=50'	SHEET 5 OF 6 SHEETS	STA. N/A TO STA. N/A	CONTRACT NO. 60T46	
PLOT DATE = 3/22/2022	DATE = 1/27/2022	REVISED -	REVISED -							STG-05



- NOTES:**
1. FOR REVLAC GENERAL WORK SEQUENCE OF OPERATIONS, SEE SHEET STG-01.
  2. FOR ZONE 3 SEQUENCE OF OPERATIONS, SEE SHEET STG-05.



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FILE NAME = D180T48-eh-EK-13.dgn	USER NAME = korabmp	DESIGNED - JJZ	REVISED -
<b>KNIGHT</b> Engineers & Architects		DRAWN - RH	REVISED -
	PLOT SCALE = 100.00' / in.	CHECKED - CRH	REVISED -
	PLOT DATE = 3/22/2022	DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ZONE 3 SEQUENCE OF OPERATIONS OUTBOUND MAINLINE RAMP CONVERSION</b>			
SCALE: 1"=50'	SHEET 6	OF 6 SHEETS	STA. N/A TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	80
CONTRACT NO.			60T46	
ILLINOIS FED. AID PROJECT				

STG-06










































## ITS GENERAL NOTES

1. ELECTRICAL CONDUIT SHALL BE INSTALLED A MINIMUM OF 30" BELOW GRADE.
2. FIBER OPTIC CONDUIT SHALL BE INSTALLED A MINIMUM OF 42" BELOW GRADE.
3. CONDUIT CROSSING OVER/UNDER OTHER UTILITIES SHALL MAINTAIN A SEPARATION OF AT LEAST 12 INCHES OR AS SPECIFIED BY OWNING UTILITY.
4. PROPOSED CONDUIT ROUTES SHOWN IN THE PLANS ARE SCHEMATIC ONLY. CONTRACTOR TO VERIFY EXACT ROUTE WITH THE ENGINEER.
5. ALL ABANDONED CABLES AND CONDUIT SHALL COMPLY WITH NEC REQUIREMENTS.
6. PROPOSED JUNCTION BOXES SHALL BE 24"x24"x8", STAINLESS STEEL, NEMA 4X, UNLESS SHOWN OTHERWISE.
7. ALL ITS POLES THAT ARE PLACED BEHIND GUARDRAIL SHALL BE PLACED A MINIMUM OF 5 FEET FROM BACK OF GUARDRAIL POST.
8. CCTV CAMERA CABLES REFERS TO A 6-CAT CABLE. CAT-6 CABLE IS INCLUDED IN "CLOSED CIRCUIT TELEVISION EQUIPMENT" PAY ITEM.

## ABBREVIATIONS AND ACRONYMS

NOTATION	DESCRIPTION
(A)	ABANDON
ALUM	ALUMINUM
ATS	ATTACHED TO STRUCTURE
CAT-6	CATEGORY 6
CCH	CONNECTOR CLOSET HOUSING
CCTV	CLOSED CIRCUIT TELEVISION
CHH	COMMUNICATIONS HANDHOLE
CMS	CHANGEABLE MESSAGE SIGN (REVLAC)
CMV	COMMUNICATIONS VAULT
CNC	COILABLE NONMETALLIC CONDUIT
COMM	COMMUNICATIONS
DCF	DISTRIBUTION CABLE FIBER (ASSET IDENTIFICATION TAG)
DIA.	DIAMETER
DMS	DYNAMIC MESSAGE SIGN
EB	EASTBOUND
ECC	ELECTRICAL CABLE IN CONDUIT
EHH	ELECTRICAL HANDHOLE
ELEC	ELECTRICAL
EMC	ELECTRICAL MAINTENANCE CONTRACTOR
EOP	EDGE OF PAVEMENT
EOS	EDGE OF SHOULDER
EOT	EDGE OF TRAVEL WAY
(E)	EXISTING
FO	FIBER OPTIC
FOC	FIBER OPTIC CABLE
FT.	FEET
GND	GROUND
(GRN)	GREEN
GS	GALVANIZED STEEL
GSC	GALVANIZED STEEL CONDUIT (RIGID)
HD	HIGH DEFINITION
HDHH	HEAVY-DUTY HANDHOLE
HH	HANDHOLE
(I)	INSTALL
IN.	INCHES
IP	INTERNET PROTOCOL
ITS	INTELLIGENT TRANSPORTATION SYSTEMS
LCF	LATER CABLE FIBER (ASSET IDENTIFICATION TAG)
LED	LIGHT-EMITTING DIODE
LT	LEFT
MM	MULTIMODE
MOT	MAINTENANCE OF TRAFFIC
NEC	NATIONAL ELECTRICAL CODE
NB	NORTHBOUND
PGSC	PVC COATED GALVANIZED STEEL CONDUIT
PTZ	PAN TILT ZOOM CAMERA
(R)	REMOVE
ROW	RIGHT-OF-WAY
SFP	SMALL FORM-FACTOR PLUGGABLE (FIBER OPTIC TRANSCEIVER)
SM	SINGLE MODE
SB	SOUTHBOUND
S.P.	SPECIAL PROVISION
SS	STAINLESS STEEL
SSC	STAINLESS STEEL CONDUIT
STA.	STATION
TCF	TRUNK CABLE FIBER (ASSET IDENTIFICATION TAG)
TEMP	TEMPORARY
WB	WESTBOUND

## ITS PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
		CONDUIT
		RIGHT-OF-WAY FENCE
		FIBER OPTIC CABLE IN CONDUIT
		ELECTRICAL CABLE IN CONDUIT
		CCTV CAMERA CABLES IN CONDUIT
		BARRIER WALL EMBEDDED JUNCTION BOX
		STRUCTURE-MOUNTED JUNCTION BOX
		HEAVY-DUTY HANDHOLE (COMMUNICATIONS)
		HEAVY-DUTY HANDHOLE (ELECTRICAL)
		HEAVY-DUTY HANDHOLE (MIXED USE)
		INDUCTION LOOP
		RAMP METER SIGNAL ASSEMBLY OR FLASHER ASSEMBLY
		CCTV CAMERA, FIXED
		CCTV CAMERA, PTZ
		50' CCTV CAMERA POLE
		80' CCTV CAMERA POLE
		POLE-MOUNTED CABINET
		GROUND-MOUNTED CABINET
		LIGHTING CONTROLLER CABINET
		UTILITY SERVICE POLE
		POLE-MOUNTED COMED TRANSFORMER
		GROUND MOUNTED COMED TRANSFORMER
		UTILITY SERVICE METER

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SITE NO.	ROUTE	DIRECTION	LAT	LONG	NEAREST CROSS STREET	DESIGNATION	CCTV CAMERA TYPE	CCTV CAMERA STATUS	MOUNTING HEIGHT	MOUNTING TYPE	MOUNTING STATUS	PLAN SHEET
03	I-90/I-94	WB	41.89096	-87.65092	GRAND AVE	KE01	FIXED	EXISTING TO REMAIN	20'	DMS STRUCTURE	EXISTING TO REMAIN	ITS-06
04	I-90/I-94	WB	41.89267 41.892364	-87.65261 -87.644671	OHIO ST	KE01A KE01B	PTZ PTZ	REMOVE AND REPLACE INSTALL	60' 60'	100' MONOPOLE	EXISTING TO REMAIN	
05	I-90/I-94	WB	41.89390	-87.65452	RAMP "C"	KE01C	PTZ	INSTALL	20'	50' POLE	INSTALL	ITS-07
06	I-90/I-94	EB	41.89567	-87.65835	CHICAGO AVE	KE01D	PTZ	INSTALL	50'	50' POLE	INSTALL	ITS-08
07	I-90/I-94	WB	41.89710	-87.65841	CHICAGO AVE	KE01E KE01F	PTZ PTZ	INSTALL INSTALL	20' 80'	80' POLE	INSTALL	
08	I-90/I-94	WB	41.89969	-87.65979	MILWAUKEE AVE	KE02	PTZ	INSTALL	20'	50' POLE	INSTALL	ITS-09
09	I-90/I-94	EB	41.90043	-87.66094	MILWAUKEE AVE	KE02A	PTZ	INSTALL	50'	50' POLE	INSTALL	
10	I-90/I-94	WB	41.90317	-87.66077	DIVISION ST	KE02B	PTZ	INSTALL	80'	80' POLE	INSTALL	ITS-10
11	I-90/I-94	EB	41.90728	-87.66225	BLACKHAWK ST	KE02C	PTZ	INSTALL	80'	80' POLE	INSTALL	
12	I-90/I-94	EB	41.91239	-87.66656	NORTH AVE	KE02D	PTZ	INSTALL	80'	80' POLE	INSTALL	ITS-11
13	I-90/I-94	WB	41.91810	-87.67014	ARMITAGE AVE	KE03C	PTZ	INSTALL	80'	80' POLE	INSTALL	ITS-13
14	I-90/I-94	EB	41.92143	-87.67776	WEBSTER AVE/DAMEN AVE	KE03A	PTZ	REMOVE AND REPLACE	80'	80' POLE	EXISTING TO REMAIN	ITS-14
15	I-90/I-94	WB	41.92481	-87.68209	FULLERTON AVE	KE04B	FIXED	EXISTING TO REMAIN	50'	50' POLE	EXISTING TO REMAIN	ITS-15
16A	I-90/I-94	WB	41.92812	-87.68869	WESTERN AVE/LOGAN BLVD	KE04D	PTZ	REMOVE AND REPLACE	80'	80' POLE	EXISTING TO REMAIN	
17	I-90/I-94	WB	41.92857	-87.68870	DIVERSEY AVE	KE04E	PTZ	INSTALL	80'	80' POLE	INSTALL	ITS-16
18	I-90/I-94	WB	41.93303	-87.69659	DIVERSEY AVE	KE05A	PTZ	REMOVE AND REPLACE	80'	80' POLE	EXISTING TO REMAIN	ITS-17
19	I-90/I-94	WB	41.93571	-87.70084	SACRAMENTO AVE	KE05C	PTZ	REMOVE AND REPLACE	80'	80' POLE	EXISTING TO REMAIN	ITS-18
20A	I-90/I-94	EB	41.93845	-87.70727	KEDZIE AVE	KE05E	PTZ	INSTALL	80'	80' POLE	INSTALL	ITS-19
21	I-90/I-94	WB	41.94148	-87.71357	KIMBALL AVE	KE06A	PTZ	REMOVE AND REPLACE	80'	80' POLE	EXISTING TO REMAIN	ITS-21
22	I-90/I-94	EB	41.94333	-87.71729	AVONDALE AVE	KE06B	PTZ	EXISTING TO REMAIN	80'	80' POLE	EXISTING TO REMAIN	
23	I-90/I-94	EB	41.943545	-87.717396	AVONDALE AVE	KE06C	PTZ	INSTALL	20'	SIGN STRUCTURE	EXISTING TO REMAIN	ITS-22
24	I-90/I-94	EB	41.94676	-87.71915	ADDISON ST	KE06D KE06E	PTZ PTZ	INSTALL INSTALL	20' 80'	80' POLE	INSTALL	
25	I-90/I-94	EB	41.94881	-87.72271	HAMLIN AVE	KE06F	PTZ	INSTALL	80'	80' POLE	INSTALL	ITS-23
26	I-90/I-94	EB	41.95201	-87.72843	PULASKI RD	KE06G	PTZ	INSTALL	80'	80' POLE	INSTALL	ITS-24
27	I-90/I-94	WB	41.95353	-87.73059	IRVING PARK RD	KE07	PTZ	REMOVE AND REPLACE	80'	80' POLE	EXISTING TO REMAIN	ITS-25
28	I-90/I-94	WB	41.95586	-87.73366	KEELER AVE	KE07E	PTZ	INSTALL	80'	80' POLE	INSTALL	ITS-26
29	I-90/I-94	WB	41.95888	-87.73911	KOSTNER AVE	KE07D	PTZ	REMOVE AND REPLACE	80'	80' POLE	EXISTING TO REMAIN	ITS-27
31	I-90/I-94	WB	41.967229	-87.755384	WILSON AVE	KE08	PTZ	EXISTING TO REMAIN	60'	100' MONOPOLE	EXISTING TO REMAIN	ITS-02
32	I-94	WB			LAWRENCE AVE	ED-OA	PTZ	EXISTING TO REMAIN	80'	80' POLE	EXISTING TO REMAIN	

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FILE NAME = D:\160746\eh-ITS-02.dgn  525 W. Monroe, Suite 1600, Chicago, IL 60661	USER NAME = korabmp	DESIGNED - JJZ DRAWN - RH	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ITS PLANS DEVICE SCHEDULE</b>				F.A.I. RTE. 90/94	SECTION 2012-0081	COUNTY COOK	TOTAL SHEETS 268	SHEET NO. 82
	PLOT SCALE = PLOT DATE = 3/22/2022	CHECKED - JJZ DATE - 1/27/2022	REVISED - REVISED -		SCALE: NTS	SHEET 2 OF 51 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 60746		ILLINOIS FED. AID PROJECT		

ROUTE I-90/94 OUTBOUND

DESIGNATION	LOCATION		CCTV CAMERA MOUNTING TYPE	CAMERA STATUS	MOUNTING HEIGHT	PLAN SHEET
	LAT	LONG				
OMCC1	41.891567	-87.651650	FIXED (BARREL)	REMOVE AND REPLACE	20'	
OMCC2	41.892217	-87.652667	FIXED (BARREL)	REMOVE AND REPLACE	20'	
OMCC3	41.892817	-87.653267	FIXED (BARREL)	REMOVE AND REPLACE	20'	
OMCC4	41.892783	-87.653283	FIXED (BARREL)	REMOVE AND REPLACE	20'	
OMCC5	41.893383	-87.654300	FIXED (BARREL)	REMOVE AND REPLACE	20'	
OMCC6	41.893600	-87.654533	FIXED (BARREL)	REMOVE AND REPLACE	20'	
OMCC7	41.894333	-87.655650	FIXED (BARREL)	REMOVE AND REPLACE	20'	
OMCC8	41.886644	-87.645967	FIXED (DOME)	EXISTING TO REMAIN	50'	
OMCC9	41.889196	-87.648262	FIXED (DOME)	EXISTING TO REMAIN	50'	
OMCC10	41.890752	-87.649932	FIXED (DOME)	EXISTING TO REMAIN	50'	
OMCC11	41.891498	-87.650894	FIXED (DOME)	EXISTING TO REMAIN	50'	

ROUTE OHIO FEEDER OUTBOUND

DESIGNATION	LOCATION		CCTV CAMERA MOUNTING TYPE	CAMERA STATUS	MOUNTING HEIGHT	PLAN SHEET
	LAT	LONG				
O OCC1	41.892467	-87.648667	FIXED (BARREL)	REMOVE AND REPLACE	20'	
O OCC2	41.892517	-87.649050	FIXED (BARREL)	REMOVE AND REPLACE	20'	
O OCC3	41.892650	-87.650317	FIXED (BARREL)	REMOVE AND REPLACE	20'	
O OCC4	41.892583	-87.651600	FIXED (BARREL)	REMOVE AND REPLACE	20'	
O OCC5	41.892217	-87.652683	FIXED (DOME)	EXISTING TO REMAIN	50'	
O OCC6	41.892217	-87.652683	FIXED (DOME)	EXISTING TO REMAIN	50'	
O OCC7	41.892660	-87.647963	FIXED (DOME)	EXISTING TO REMAIN	50'	
O OCC8	41.892364	-87.644671	FIXED (DOME)	EXISTING TO REMAIN	50'	

ROUTE I-90/94 OUTBOUND MID-GATE

DESIGNATION	LOCATION		CCTV CAMERA MOUNTING TYPE	CAMERA STATUS	MOUNTING HEIGHT	PLAN SHEET
	LAT	LONG				
O SCC1	41.928900	-87.689583	FIXED (BARREL)	REMOVE AND REPLACE	20'	
O SCC2	41.929400	-87.690550	FIXED (BARREL)	REMOVE AND REPLACE	20'	
O SCC3	41.929900	-87.691500	FIXED (BARREL)	REMOVE AND REPLACE	20'	
O SCC4	41.929933	-87.691567	FIXED (BARREL)	REMOVE AND REPLACE	20'	
O SCC5	41.930583	-87.692633	FIXED (BARREL)	REMOVE AND REPLACE	20'	
O SCC6	41.930533	-87.692733	FIXED (BARREL)	REMOVE AND REPLACE	20'	
O SCC7	41.930832	-87.693060	FIXED (BARREL)	REMOVE AND REPLACE	20'	
O SCC8	41.924611	-87.681502	FIXED (DOME)	EXISTING TO REMAIN	50'	
O SCC9	41.929039	-87.689220	FIXED (DOME)	EXISTING TO REMAIN	80'	

ROUTE I-90/94 INBOUND MID-GATE

DESIGNATION	LOCATION		CCTV CAMERA MOUNTING TYPE	CAMERA STATUS	MOUNTING HEIGHT	PLAN SHEET
	LAT	LONG				
I SCC8	41.935483	-87.701500	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I SCC7	41.935700	-87.701867	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I SCC6	41.936417	-87.703167	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I SCC5	41.936633	-87.703350	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I SCC3	41.937133	-87.704250	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I SCC4	41.937133	-87.704250	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I SCC2	41.937483	-87.705000	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I SCC1	41.938100	-87.706067	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I SCC9	41.938556	-87.707369	FIXED (DOME)	EXISTING TO REMAIN	50'	
I SCC10	41.943545	-87.717396	FIXED (DOME)	EXISTING TO REMAIN	50'	

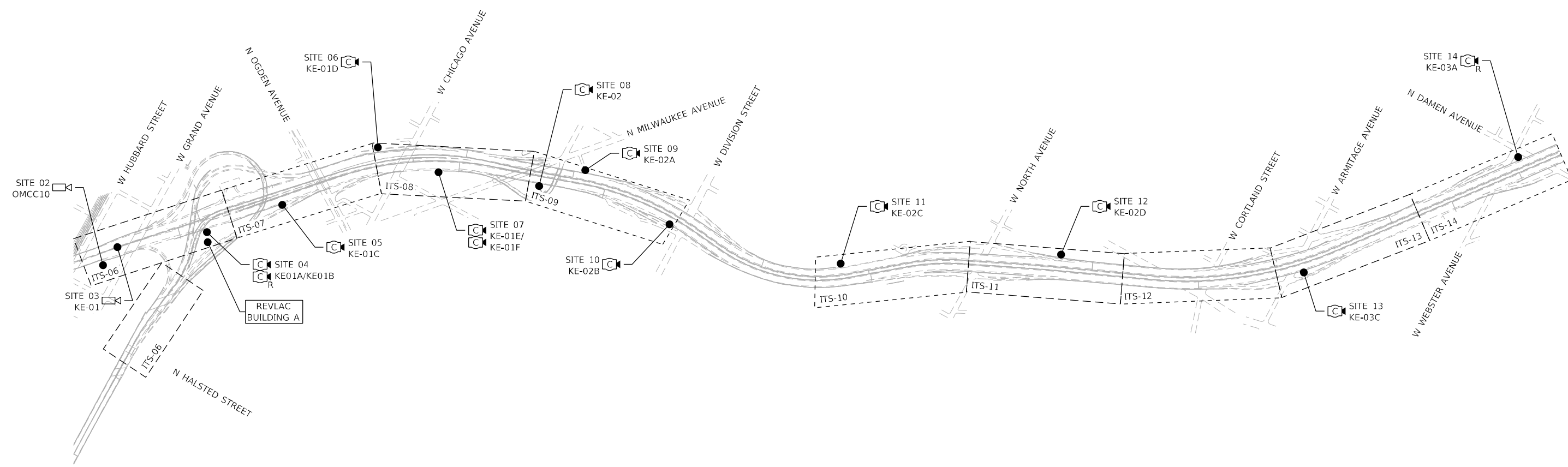
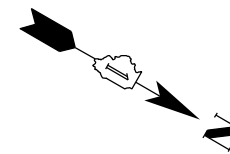
ROUTE I-90 KENNEDY INBOUND

DESIGNATION	LOCATION		CCTV CAMERA MOUNTING TYPE	CAMERA STATUS	MOUNTING HEIGHT	PLAN SHEET
	LAT	LONG				
I WCC7	41.960433	-87.742600	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I WCC6	41.960683	-87.742983	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I WCC5	41.961067	-87.743750	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I WCC4	41.961284	-87.743800	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I WCC3	41.961683	-87.744350	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I WCC2	41.962550	-87.745700	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I WCC1	41.962750	-87.746200	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I WCC8	41.967229	-87.755384	FIXED (DOME)	EXISTING TO REMAIN	50'	
I WCC10	41.962834	-87.746223	FIXED (DOME)	EXISTING TO REMAIN	80'	

ROUTE I-94 EDENS INBOUND

DESIGNATION	LOCATION		CCTV CAMERA MOUNTING TYPE	CAMERA STATUS	MOUNTING HEIGHT	PLAN SHEET
	LAT	LONG				
I ECC6	41.963783	-87.746483	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I ECC5	41.964250	-87.746667	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I ECC4	41.965517	-87.746950	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I ECC3	41.965500	-87.747017	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I ECC2	41.966400	-87.747100	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I ECC1	41.967167	-87.747133	FIXED (BARREL)	REMOVE AND REPLACE	20'	
I ECC7	41.967545	-87.746873	FIXED (DOME)	EXISTING TO REMAIN	50'	
I ECC9	41.976392	-87.747753	FIXED (DOME)	EXISTING TO REMAIN	50'	

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**LAYOUT LEGEND**

- PROPOSED PTZ CCTV CAMERA
- EXISTING PTZ CCTV CAMERA TO BE REPLACED
- EXISTING PTZ CCTV CAMERA
- EXISTING FIXED CCTV CAMERA
- PROPOSED FIXED CCTV CAMERA
- REVLAC BUILDING A



NOTES:  
 1. REVLAC SYSTEM FIXED CAMERAS ARE NOT SHOWN.

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	PLOT SCALE =	DATE - 1/27/2022	REVISED -
	PLOT DATE = 3/22/2022		

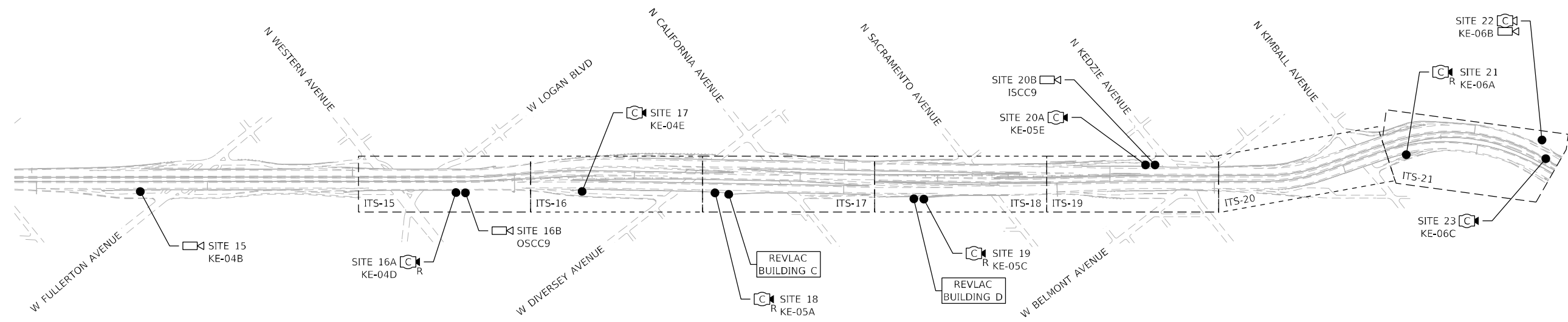
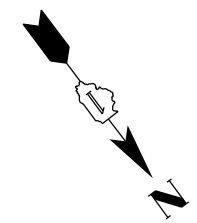
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ITS PLANS  
 SHEET LAYOUT MAP**

SCALE: 1" = 500'    SHEET 4 OF 51 SHEETS    STA. 80+87 TO STA. 226+25

P.A.I. RTE. 90/94	SECTION 2012-0081	COUNTY COOK	TOTAL SHEETS 268	SHEET NO. 84
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T46	

ITS-03



**LAYOUT LEGEND**

- PROPOSED PTZ CCTV CAMERA
- EXISTING PTZ CCTV CAMERA TO BE REPLACED
- EXISTING PTZ CCTV CAMERA
- EXISTING FIXED CCTV CAMERA
- PROPOSED FIXED CCTV CAMERA
- REVLAC BUILDING A
- REVLAC BUILDING C
- REVLAC BUILDING D

NOTES:  
 1. REVLAC SYSTEM FIXED CAMERAS ARE NOT SHOWN.



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	PLOT DATE = 3/22/2022		

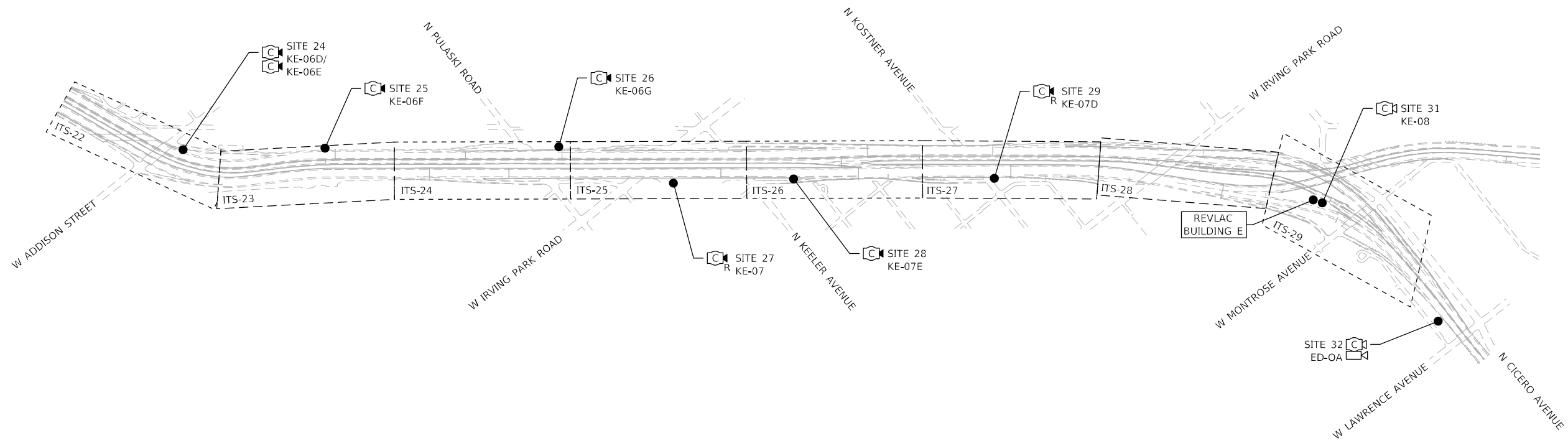
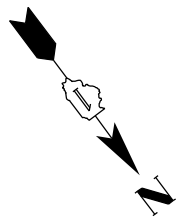
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ITS PLANS  
 SHEET LAYOUT MAP**

SCALE: 1" = 500'    SHEET 5    OF 51    SHEETS    STA. 226+25    TO STA. 359+00

P.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	85
CONTRACT NO. 60T46				
ILLINOIS FED. AID PROJECT				

ITS-04



LAYOUT LEGEND	
	PROPOSED PTZ CCTV CAMERA
	EXISTING PTZ CCTV CAMERA TO BE REPLACED
	EXISTING PTZ CCTV CAMERA
	EXISTING FIXED CCTV CAMERA
	PROPOSED FIXED CCTV CAMERA
	REVLAC BUILDING A
	REVLAC BUILDING E

NOTES:  
 1. REVLAC SYSTEM FIXED CAMERAS ARE NOT SHOWN.



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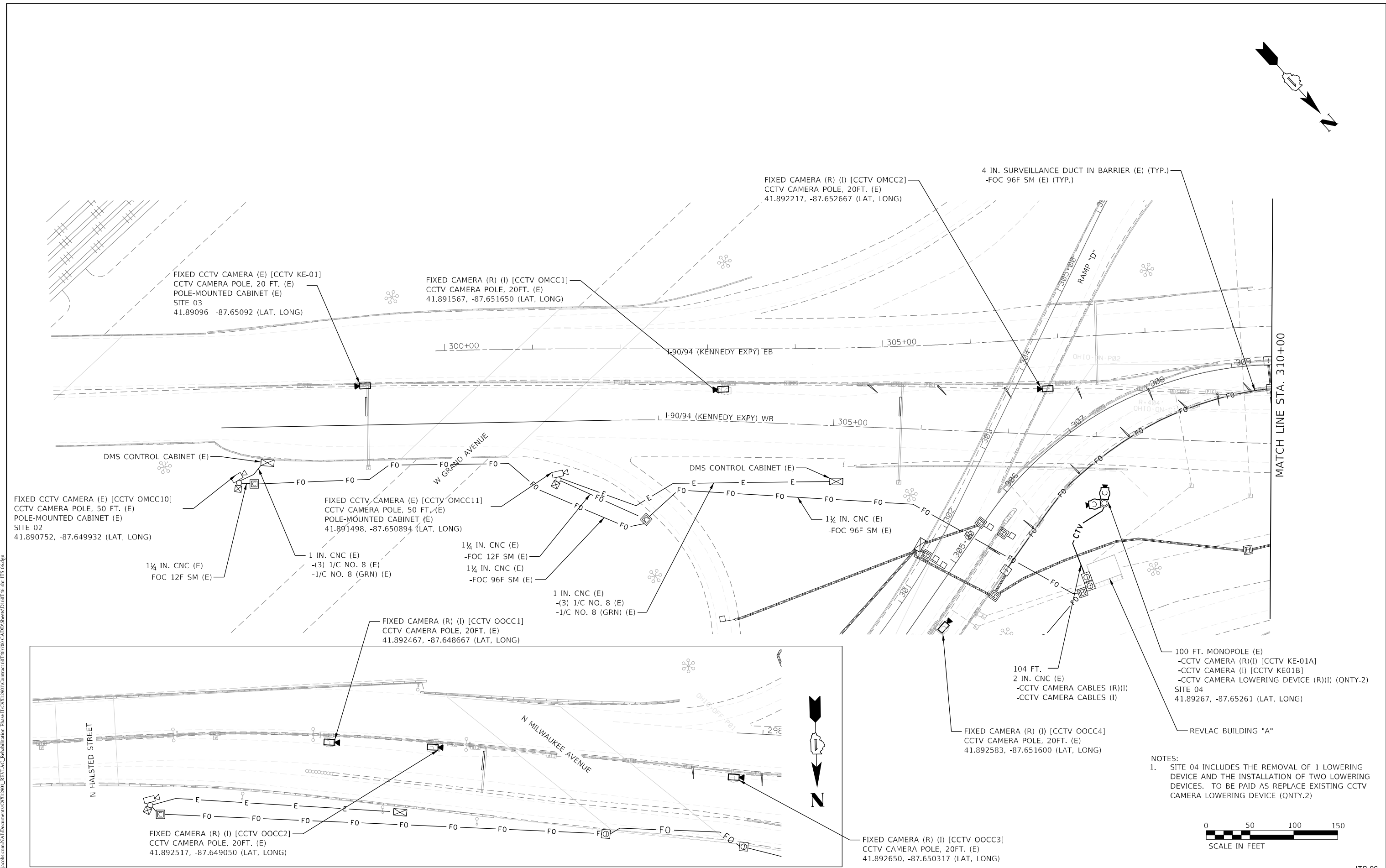
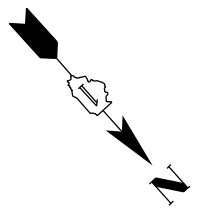
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525 W. Monroe, Suite 1600, Chicago, IL 60661		CHECKED - CRH	REVISED -
		DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

ITS PLANS SHEET LAYOUT MAP			
SCALE: 1" = 500'	SHEET 6	OF 51 SHEETS	STA. 359+00 TO STA. 465+92

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	86
CONTRACT NO. 60T46			ILLINOIS FED. AID PROJECT	

ITS-05



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**NOTES:**  
 1. SITE 04 INCLUDES THE REMOVAL OF 1 LOWERING DEVICE AND THE INSTALLATION OF TWO LOWERING DEVICES. TO BE PAID AS REPLACE EXISTING CCTV CAMERA LOWERING DEVICE (QNTY.2)



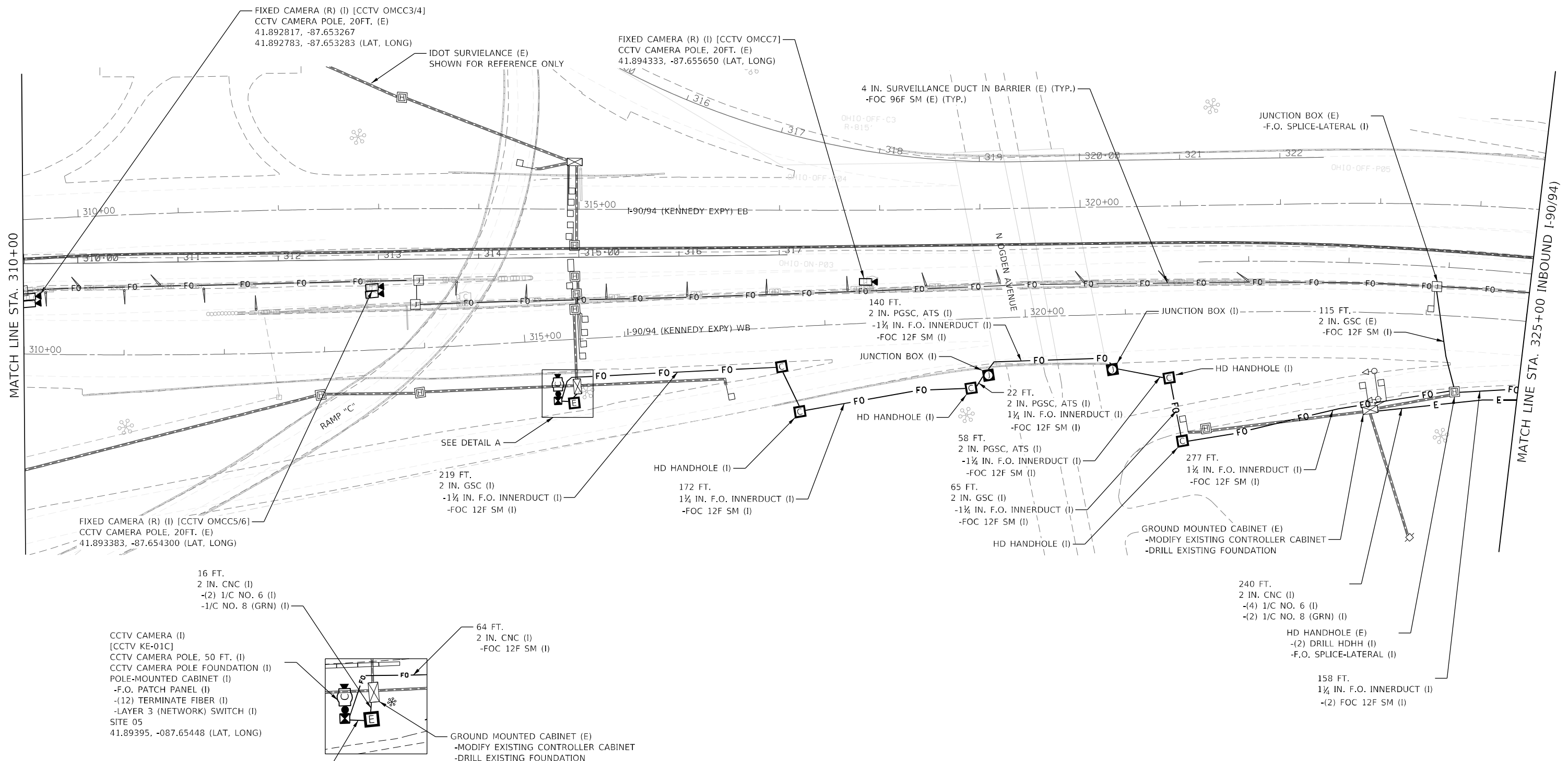
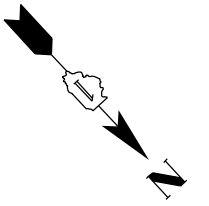
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	DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ITS PLANS**  
**PROPOSED CCTV PLANS - SITES 02, 03, AND 04**  
 SCALE: 1" = 50'    SHEET 7 OF 51 SHEETS    STA. 299+00 TO STA. 310+00

P.A.I. RTE. 90/94	SECTION 2012-0081	COUNTY COOK	TOTAL SHEETS 268	SHEET NO. 87
CONTRACT NO. 60746			ILLINOIS FED. AID PROJECT	

ITS-06



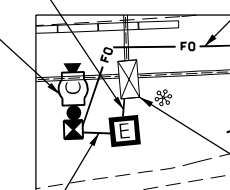
FIXED CAMERA (R) (I) [CCTV OMCC5/6]  
 CCTV CAMERA POLE, 20FT. (E)  
 41.893383, -87.654300 (LAT, LONG)

FIXED CAMERA (R) (I) [CCTV OMCC3/4]  
 CCTV CAMERA POLE, 20FT. (E)  
 41.892817, -87.653267  
 41.892783, -87.653283 (LAT, LONG)

FIXED CAMERA (R) (I) [CCTV OMCC7]  
 CCTV CAMERA POLE, 20FT. (E)  
 41.894333, -87.655650 (LAT, LONG)

16 FT.  
 2 IN. CNC (I)  
 -(2) 1/C NO. 6 (I)  
 -1/C NO. 8 (GRN) (I)

CCTV CAMERA (I)  
 [CCTV KE-01C]  
 CCTV CAMERA POLE, 50 FT. (I)  
 CCTV CAMERA POLE FOUNDATION (I)  
 POLE-MOUNTED CABINET (I)  
 -F.O. PATCH PANEL (I)  
 -(12) TERMINATE FIBER (I)  
 -LAYER 3 (NETWORK) SWITCH (I)  
 SITE 05  
 41.89395, -087.65448 (LAT, LONG)



20 FT.  
 2 IN. CNC (I)  
 -(2) 1/C NO. 6 (I)  
 -1/C NO. 8 (GRN) (I)

64 FT.  
 2 IN. CNC (I)  
 -FOC 12F SM (I)

GROUND MOUNTED CABINET (E)  
 -MODIFY EXISTING CONTROLLER CABINET  
 -DRILL EXISTING FOUNDATION

172 FT.  
 1 1/2 IN. F.O. INNERDUCT (I)  
 -FOC 12F SM (I)

140 FT.  
 2 IN. PGSC, ATS (I)  
 -1 1/2 IN. F.O. INNERDUCT (I)  
 -FOC 12F SM (I)

58 FT.  
 2 IN. PGSC, ATS (I)  
 -1 1/2 IN. F.O. INNERDUCT (I)  
 -FOC 12F SM (I)

65 FT.  
 2 IN. GSC (I)  
 -1 1/2 IN. F.O. INNERDUCT (I)  
 -FOC 12F SM (I)

277 FT.  
 1 1/2 IN. F.O. INNERDUCT (I)  
 -FOC 12F SM (I)

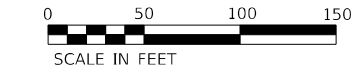
GROUND MOUNTED CABINET (E)  
 -MODIFY EXISTING CONTROLLER CABINET  
 -DRILL EXISTING FOUNDATION

240 FT.  
 2 IN. CNC (I)  
 -(4) 1/C NO. 6 (I)  
 -(2) 1/C NO. 8 (GRN) (I)

HD HANDHOLE (E)  
 -(2) DRILL HDHH (I)  
 -F.O. SPLICE-LATERAL (I)

158 FT.  
 1 1/2 IN. F.O. INNERDUCT (I)  
 -(2) FOC 12F SM (I)

NOTES:  
 1. SEE SHEET ITS-30 FOR CONDUIT ON STRUCTURE DETAIL AT OGDEN AVE.



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 525 W. Monroe, Suite 1600, Chicago, IL 60661

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 PLOT DATE = 3/22/2022

DESIGNED - JJZ  
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 CHECKED - CRH  
 DATE - 1/27/2022

REVISED -  
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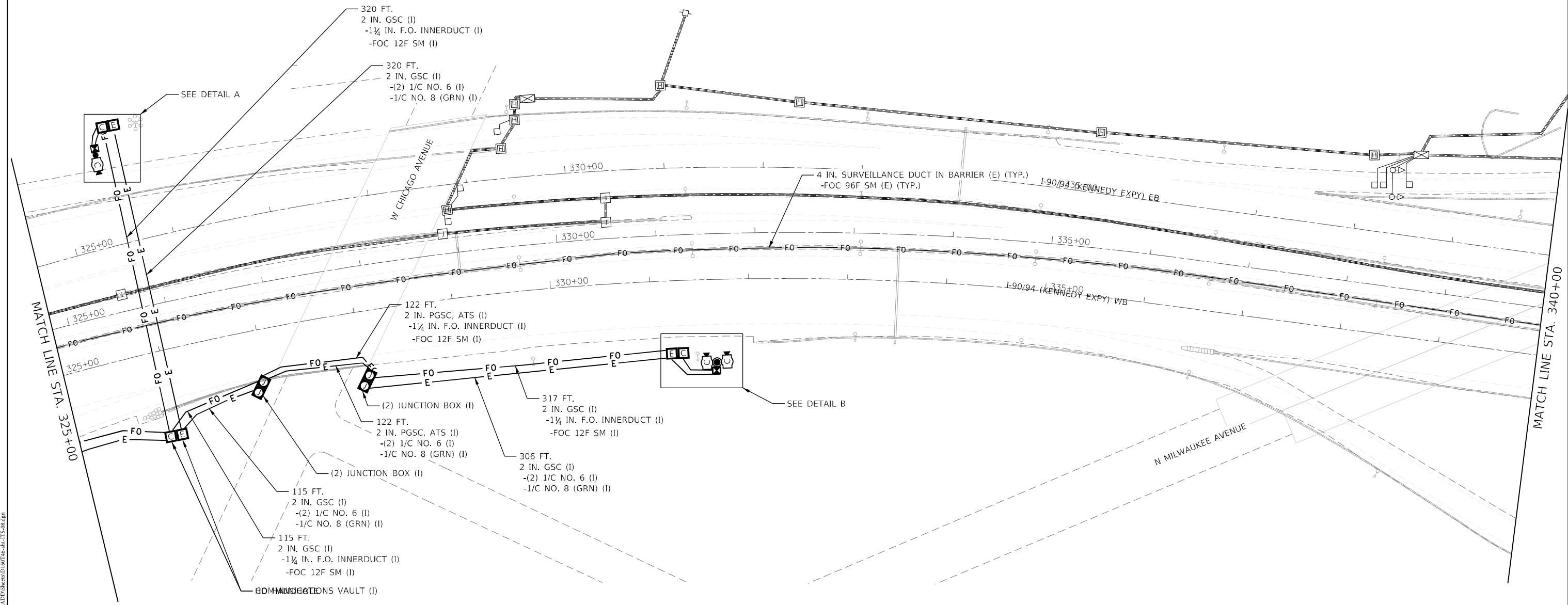
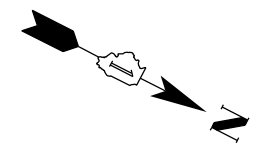
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ITS PLANS  
 PROPOSED CCTV PLANS - SITE 05  
 SCALE: 1" = 50'  
 SHEET 8 OF 51 SHEETS  
 STA. 310+00 TO STA. 325+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	288	88
CONTRACT NO.			60746	
ILLINOIS FED. AID PROJECT				

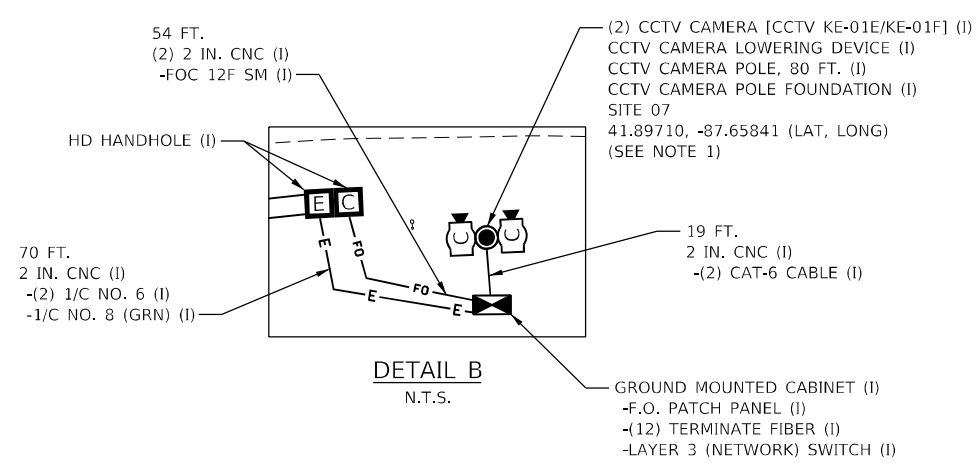
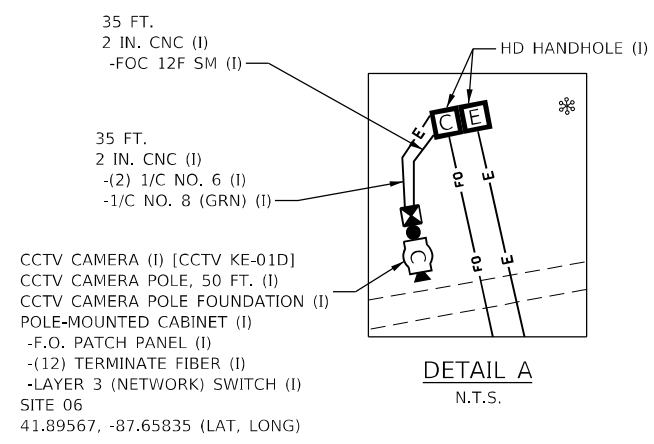
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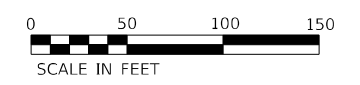


SEE DETAIL A

SEE DETAIL B



- NOTES:
- ONE CCTV CAMERA SHALL BE MOUNTED AT 80 FT. ABOVE GRADE AND ONE CCTV CAMERA SHALL BE MOUNTED AT 20 FT. ABOVE GRADE. CCTV CAMERA MOUNTED AT 20 FT. SHALL PROVIDE VIEW UNDER CHICAGO AVENUE BRIDGE.
  - SEE SHEET ITS-30 FOR CONDUIT ON STRUCTURE DETAIL AT CHICAGO AVE.



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525 W. Monroe, Suite 1600, Chicago, IL 60661		CHECKED - CRH	REVISED -
		DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ITS PLANS  
PROPOSED CCTV PLANS - SITES 06 AND 07**

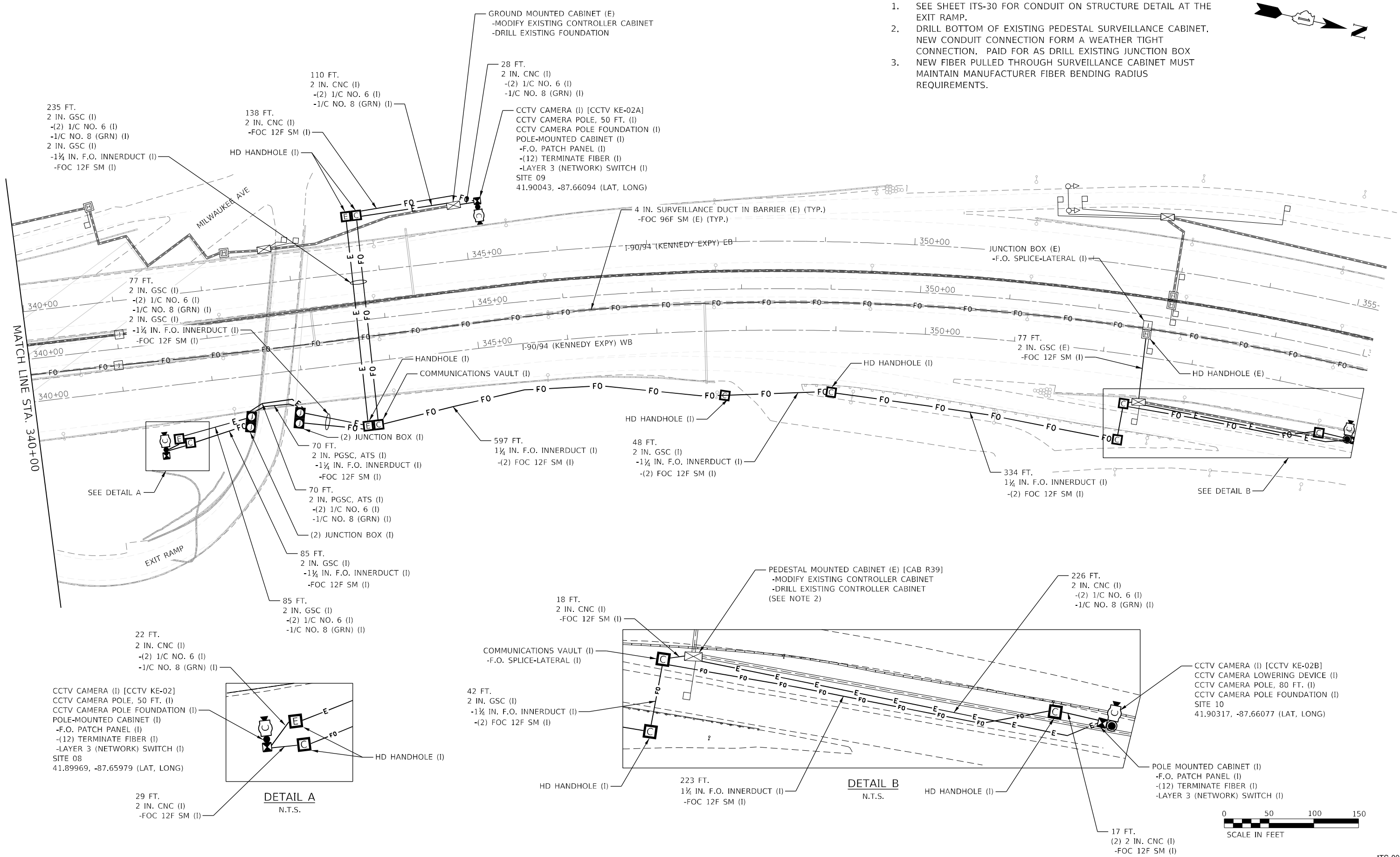
SCALE: 1" = 50'    SHEET 9 OF 51 SHEETS    STA. 325+00 TO STA. 340+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	89
CONTRACT NO.			60746	
ILLINOIS FED. AID PROJECT				

ITS-08



- NOTES:
- SEE SHEET ITS-30 FOR CONDUIT ON STRUCTURE DETAIL AT THE EXIT RAMP.
  - DRILL BOTTOM OF EXISTING PEDESTAL SURVEILLANCE CABINET. NEW CONDUIT CONNECTION FORM A WEATHER TIGHT CONNECTION. PAID FOR AS DRILL EXISTING JUNCTION BOX MAINTAIN MANUFACTURER FIBER BENDING RADIUS REQUIREMENTS.



SEE DETAIL A

SEE DETAIL B

**DETAIL A**  
N.T.S.

**DETAIL B**  
N.T.S.



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**Jacobs**  
525 W. Monroe, Suite 1600, Chicago, IL 60661

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DESIGNED - JJZ  
DRAWN - RH  
CHECKED - CRH  
DATE - 1/27/2022  
PLOT SCALE =  
PLOT DATE = 3/22/2022

REVISIONS  
REVISOR  
DATE  
REVISIONS  
DATE

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

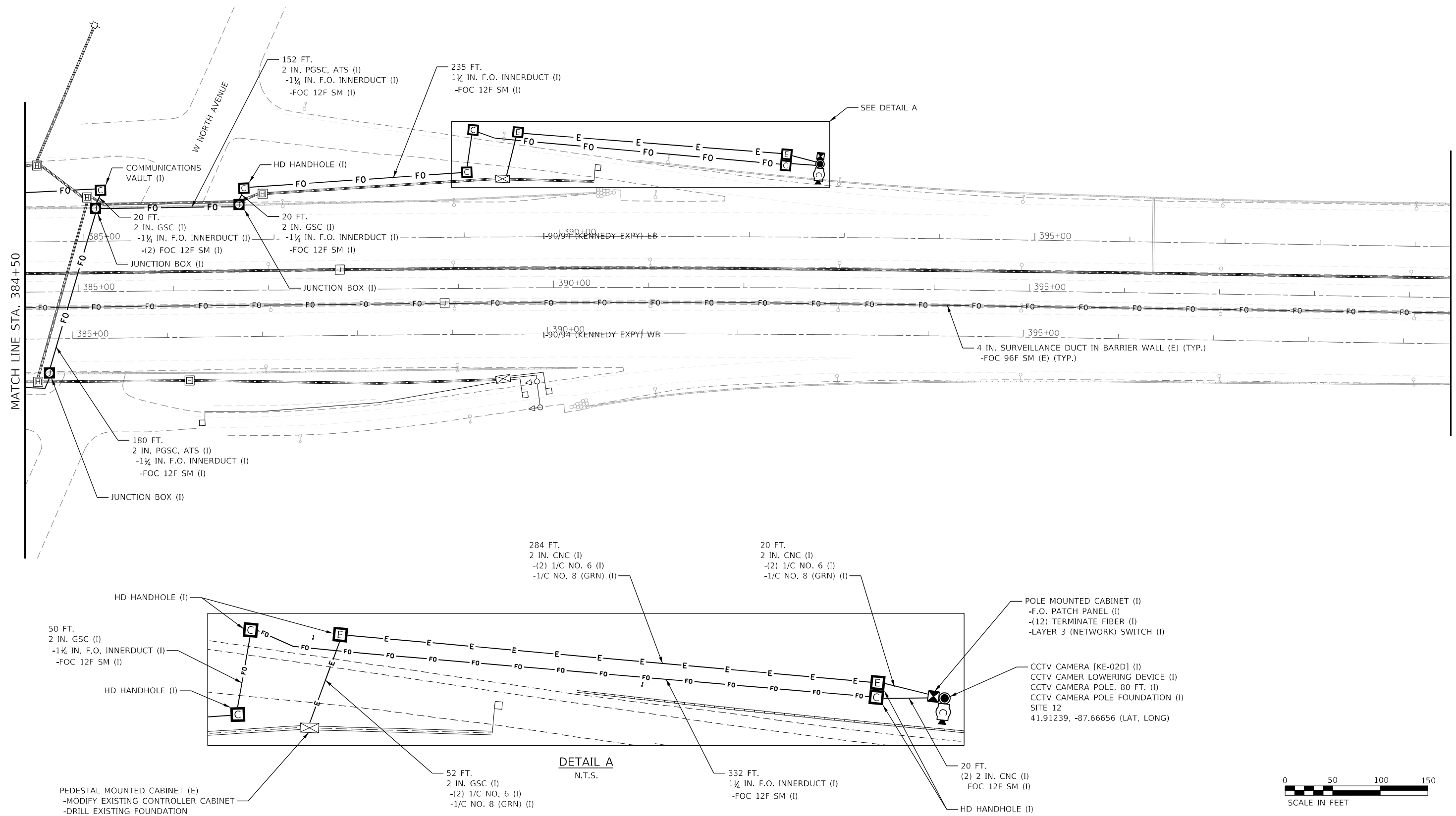
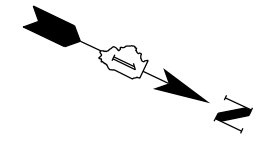
**ITS PLANS  
PROPOSED CCTV PLANS - SITES 08, 09 AND 10**  
SCALE: 1" = 50'  
SHEET 10 OF 51 SHEETS  
STA. 340+00 TO STA. 355+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	288	90
CONTRACT NO.			60746	
ILLINOIS		FED. AID PROJECT		

ITS-09



NOTES:  
 1. SEE SHEETS ITS-30 AND ITS-31 FOR CONDUIT ON STRUCTURE DETAILS AT NORTH AVE.



DETAIL A  
N.T.S.



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 525 W. Monroe, Suite 1600, Chicago, IL 60661

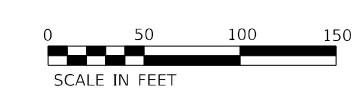
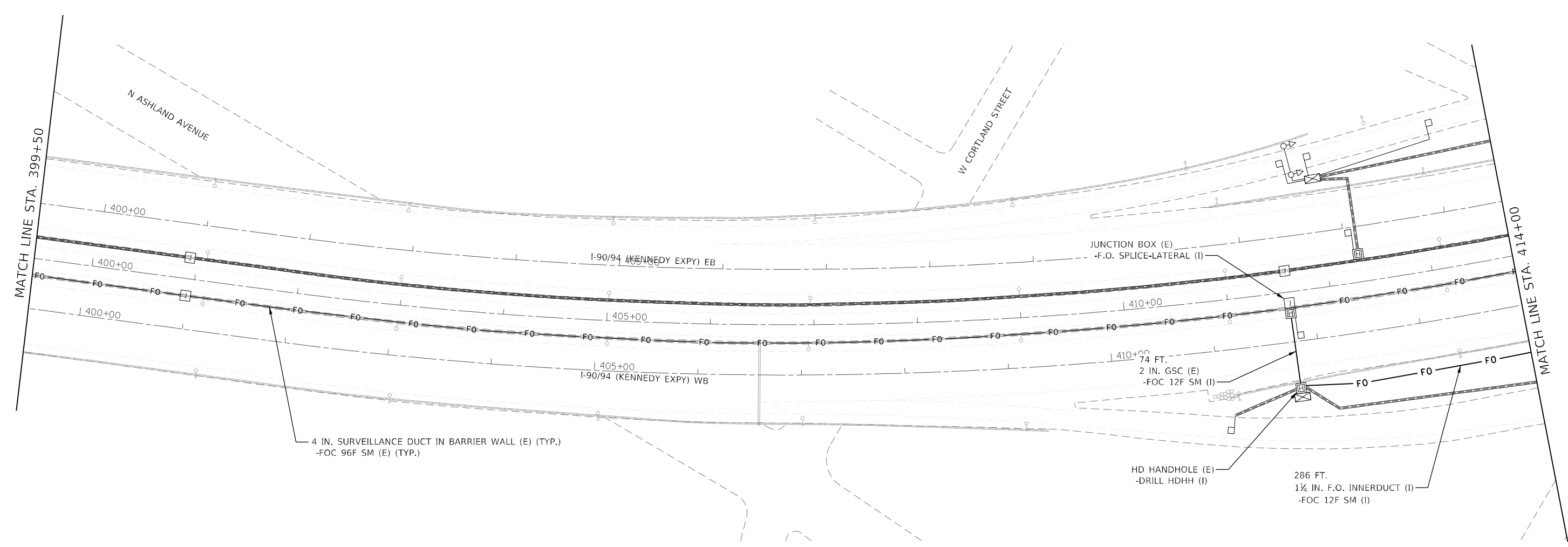
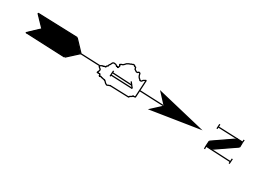
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 525 W. Monroe, Suite 1600, Chicago, IL 60661

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		DATE - 1/27/2022	REVISED -
PLOT SCALE =			
PLOT DATE = 3/22/2022			

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>ITS PLANS</b>			
<b>PROPOSED CCTV PLANS - SITE 12</b>			
SCALE: 1" = 50'	SHEET 12	OF 51 SHEETS	STA. 384+50 TO STA. 399+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	288	92
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T46	



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 525 W. Monroe, Suite 1600, Chicago, IL 60661

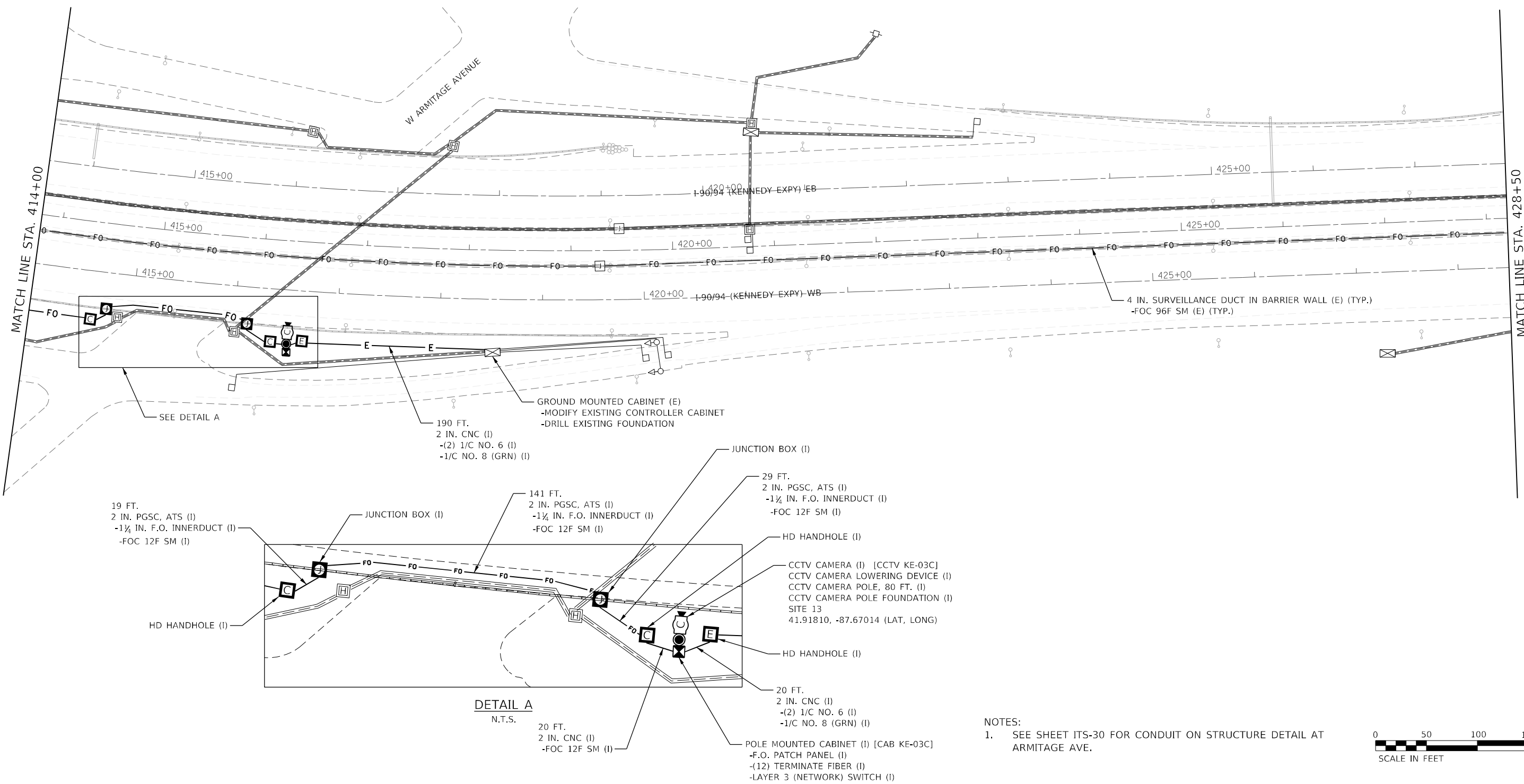
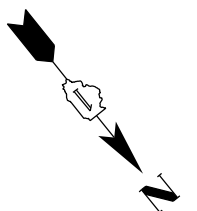
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

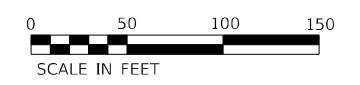
ITS PLANS PROPOSED CCTV PLANS			
SCALE: 1" = 50'	SHEET 13	OF 51 SHEETS	STA. 399+50 TO STA. 414+00

F.A.I. RTE. 90/94	SECTION 2012-0081	COUNTY COOK	TOTAL SHEETS 268	SHEET NO. 93
CONTRACT NO. 60T46			ILLINOIS FED. AID PROJECT	

ITS-12



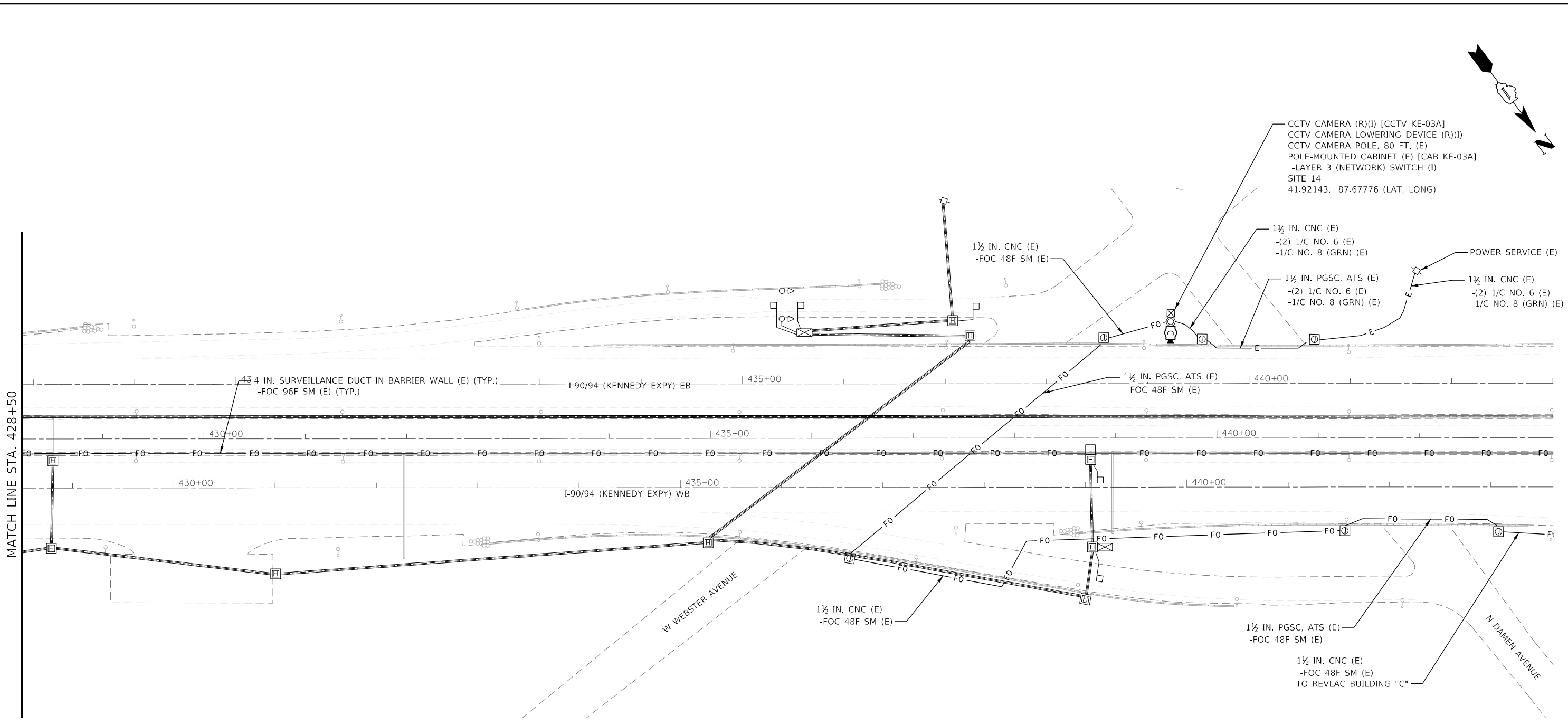
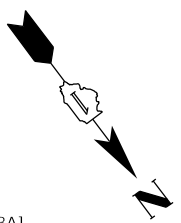
NOTES:  
1. SEE SHEET ITS-30 FOR CONDUIT ON STRUCTURE DETAIL AT ARMITAGE AVE.



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<b>Jacobs</b> 525 W. Monroe, Suite 1600, Chicago, IL 60661	USER NAME = korabmp	DESIGNED - JJZ	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ITS PLANS</b> <b>PROPOSED CCTV PLANS - SITE 13</b>			F.A.I. RTE. 90/94	SECTION 2012-0081	COUNTY COOK	TOTAL SHEETS 268	SHEET NO. 94
	PLOT SCALE =	CHECKED - CRH	REVISED -		SCALE: 1" = 50'	SHEET 14	OF 51 SHEETS	STA. 414+00	TO STA. 428+50	CONTRACT NO. 60T46		
	PLOT DATE = 3/22/2022	DATE - 1/27/2022	REVISED -		ILLINOIS FED. AID PROJECT							

ITS-13



MATCH LINE STA. 428+50

CCTV CAMERA (R)(I) [CCTV KE-03A]  
 CCTV CAMERA LOWERING DEVICE (R)(I)  
 CCTV CAMERA POLE, 80 FT. (E)  
 POLE-MOUNTED CABINET (E) [CAB KE-03A]  
 -LAYER 3 (NETWORK) SWITCH (I)  
 SITE 14  
 41.92143, -87.67776 (LAT, LONG)

1 1/2 IN. CNC (E)  
 -FOC 48F SM (E)

1 1/2 IN. CNC (E)  
 -(2) 1/C NO. 6 (E)  
 -1/C NO. 8 (GRN) (E)

POWER SERVICE (E)  
 1 1/2 IN. CNC (E)  
 -(2) 1/C NO. 6 (E)  
 -1/C NO. 8 (GRN) (E)

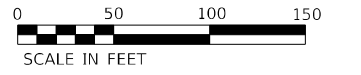
43 4 IN. SURVEILLANCE DUCT IN BARRIER WALL (E) (TYP.)  
 -FOC 96F SM (E) (TYP.)

1 1/2 IN. PGSC, ATS (E)  
 -FOC 48F SM (E)

1 1/2 IN. CNC (E)  
 -FOC 48F SM (E)

1 1/2 IN. PGSC, ATS (E)  
 -FOC 48F SM (E)

1 1/2 IN. CNC (E)  
 -FOC 48F SM (E)  
 TO REVLAC BUILDING "C"



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**Jacobs**  
 525 W. Monroe, Suite 1600, Chicago, IL 60661

USER NAME = korabmp  
 DESIGNED - JJZ  
 DRAWN - RH  
 CHECKED - CRH  
 DATE - 1/27/2022

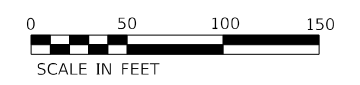
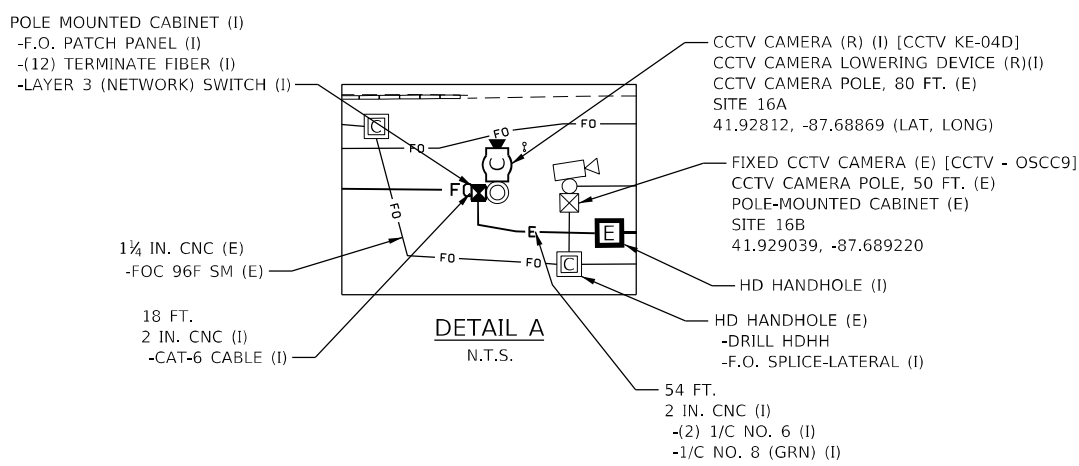
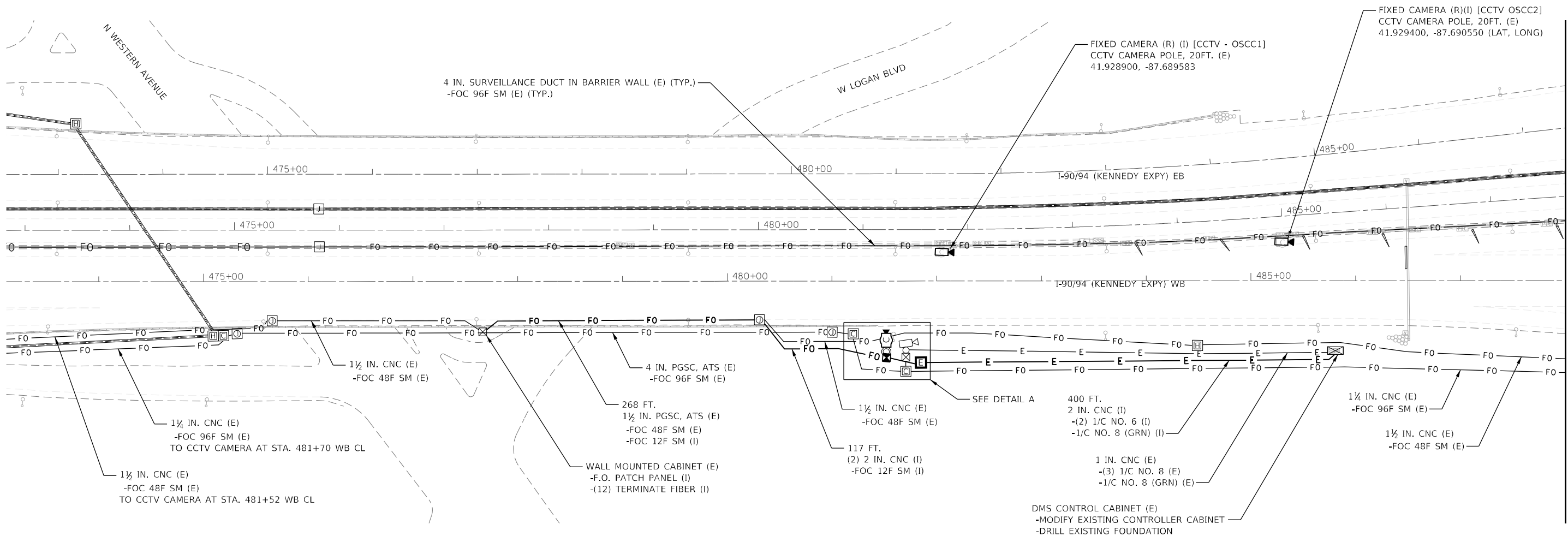
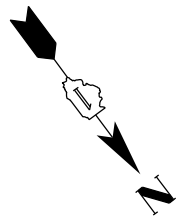
DESIGNED - JJZ  
 DRAWN - RH  
 CHECKED - CRH  
 DATE - 1/27/2022

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ITS PLANS  
 PROPOSED CCTV PLANS - SITE 14**  
 SCALE: 1" = 50'  
 SHEET 15 OF 51 SHEETS  
 STA. 428+50 TO STA. 443+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-008I	COOK	268	95
CONTRACT NO. 60T46			ITS-14	
ILLINOIS FED. AID PROJECT				



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 Designed - JJZ  
 Drawn - RH  
 Checked - CRH  
 Date - 1/27/2022  
 Plot Scale =  
 Plot Date = 3/22/2022

**Jacobs**  
 525 W. Monroe, Suite 1600, Chicago, IL 60661

FILE NAME =	D:\160746-shi-ITS-15.dgn	DESIGNED -	JJZ	REVISED -	
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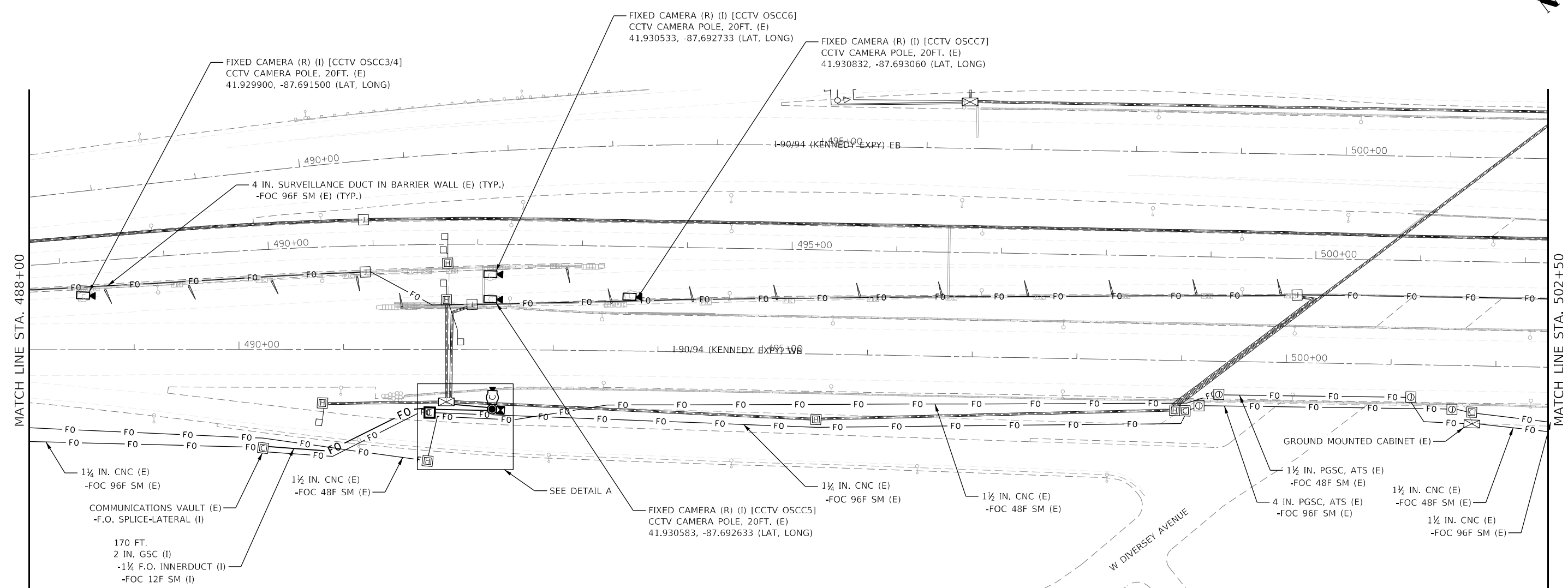
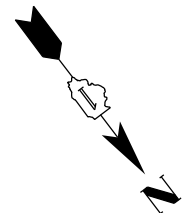
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>ITS PLANS</b> <b>PROPOSED CCTV PLANS - SITES 16A AND 16B</b>			
SCALE: 1" = 50'	SHEET 16	OF 51 SHEETS	STA. 473+00 TO STA. 488+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2012-0081	COOK	268	96
CONTRACT NO.			60746	
ILLINOIS FED. AID PROJECT				

ITS-15





FIXED CAMERA (R) (I) [CCTV OSCC3/4]  
CCTV CAMERA POLE, 20FT. (E)  
41.929900, -87.691500 (LAT, LONG)

FIXED CAMERA (R) (I) [CCTV OSCC6]  
CCTV CAMERA POLE, 20FT. (E)  
41.930533, -87.692733 (LAT, LONG)

FIXED CAMERA (R) (I) [CCTV OSCC7]  
CCTV CAMERA POLE, 20FT. (E)  
41.930832, -87.693060 (LAT, LONG)

1 1/4 IN. CNC (E)  
-FOC 96F SM (E)

COMMUNICATIONS VAULT (E)  
-F.O. SPLICE-LATERAL (I)

170 FT.  
2 IN. GSC (I)  
-1 1/4 F.O. INNERDUCT (I)  
-FOC 12F SM (I)

1 1/2 IN. CNC (E)  
-FOC 48F SM (E)

FIXED CAMERA (R) (I) [CCTV OSCC5]  
CCTV CAMERA POLE, 20FT. (E)  
41.930583, -87.692633 (LAT, LONG)

1 1/4 IN. CNC (E)  
-FOC 96F SM (E)

1 1/2 IN. CNC (E)  
-FOC 48F SM (E)

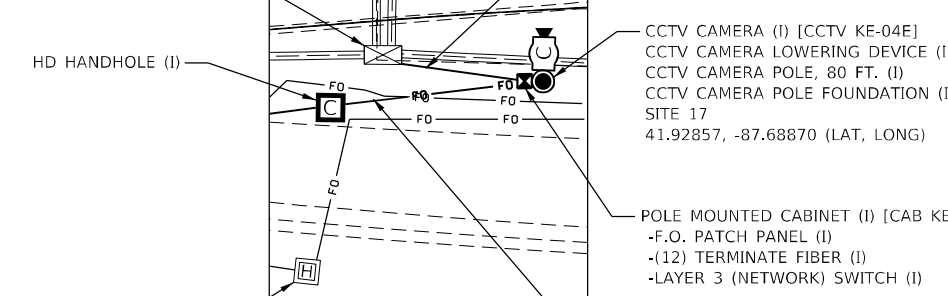
GROUND MOUNTED CABINET (E)  
1 1/2 IN. PGSC, ATS (E)  
-FOC 48F SM (E)

1 1/2 IN. CNC (E)  
-FOC 48F SM (E)

1 1/4 IN. CNC (E)  
-FOC 96F SM (E)

GROUND MOUNTED CABINET (E)  
-MODIFY EXISTING CONTROLLER CABINET  
-DRILL EXISTING FOUNDATION

26 FT.  
2 IN. CNC (I)  
-(2) 1/C NO. 6 (I)  
-1/C NO. 8 (GRN) (I)



**DETAIL A**  
N.T.S.

38 FT.  
(2) 2 IN. CNC (I)  
-FOC 12F SM (I)



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**Jacobs**  
525 W. Monroe, Suite 1600, Chicago, IL 60661

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PLOT SCALE =	DRAWN - RH	REVISED -
PLOT DATE = 3/22/2022	CHECKED - CRH	REVISED -
	DATE - 1/27/2022	REVISED -

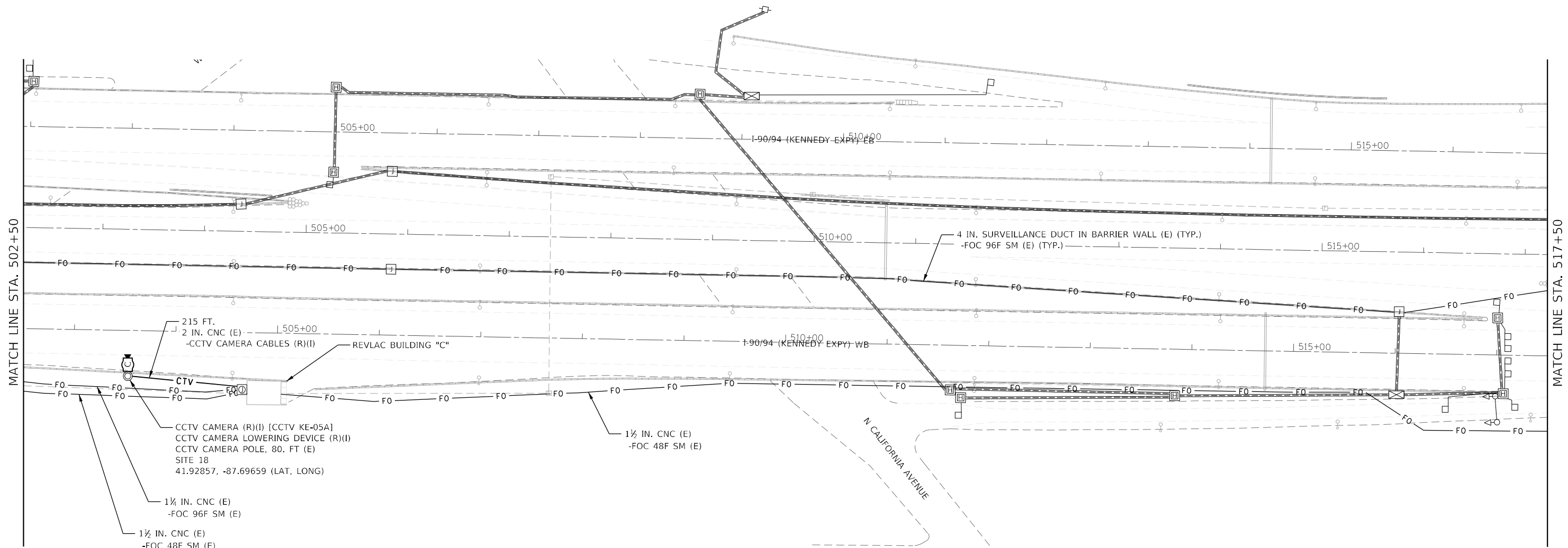
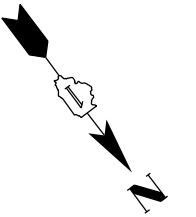
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ITS PLANS**  
**PROPOSED CCTV PLANS - SITE 17**

SCALE: 1" = 50'  
SHEET 17 OF 51 SHEETS  
STA. 488+00 TO STA. 502+50

F.A.I. RTE. 90/94	SECTION 2012-0081	COUNTY COOK	TOTAL SHEETS 268	SHEET NO. 97
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T46	

ITS-16



215 FT.  
2 IN. CNC (E)  
-CCTV CAMERA CABLES (R)(I)

REVLAC BUILDING "C"

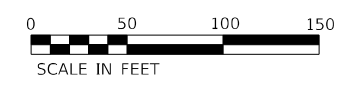
CCTV CAMERA (R)(I) [CCTV KE-05A]  
CCTV CAMERA LOWERING DEVICE (R)(I)  
CCTV CAMERA POLE, 80. FT (E)  
SITE 18  
41.92857, -87.69659 (LAT, LONG)

1 1/2 IN. CNC (E)  
-FOC 96F SM (E)

1 1/2 IN. CNC (E)  
-FOC 48F SM (E)

4 IN. SURVEILLANCE DUCT IN BARRIER WALL (E) (TYP.)  
-FOC 96F SM (E) (TYP.)

1 1/2 IN. CNC (E)  
-FOC 48F SM (E)



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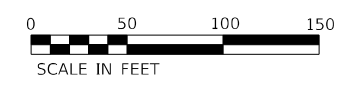
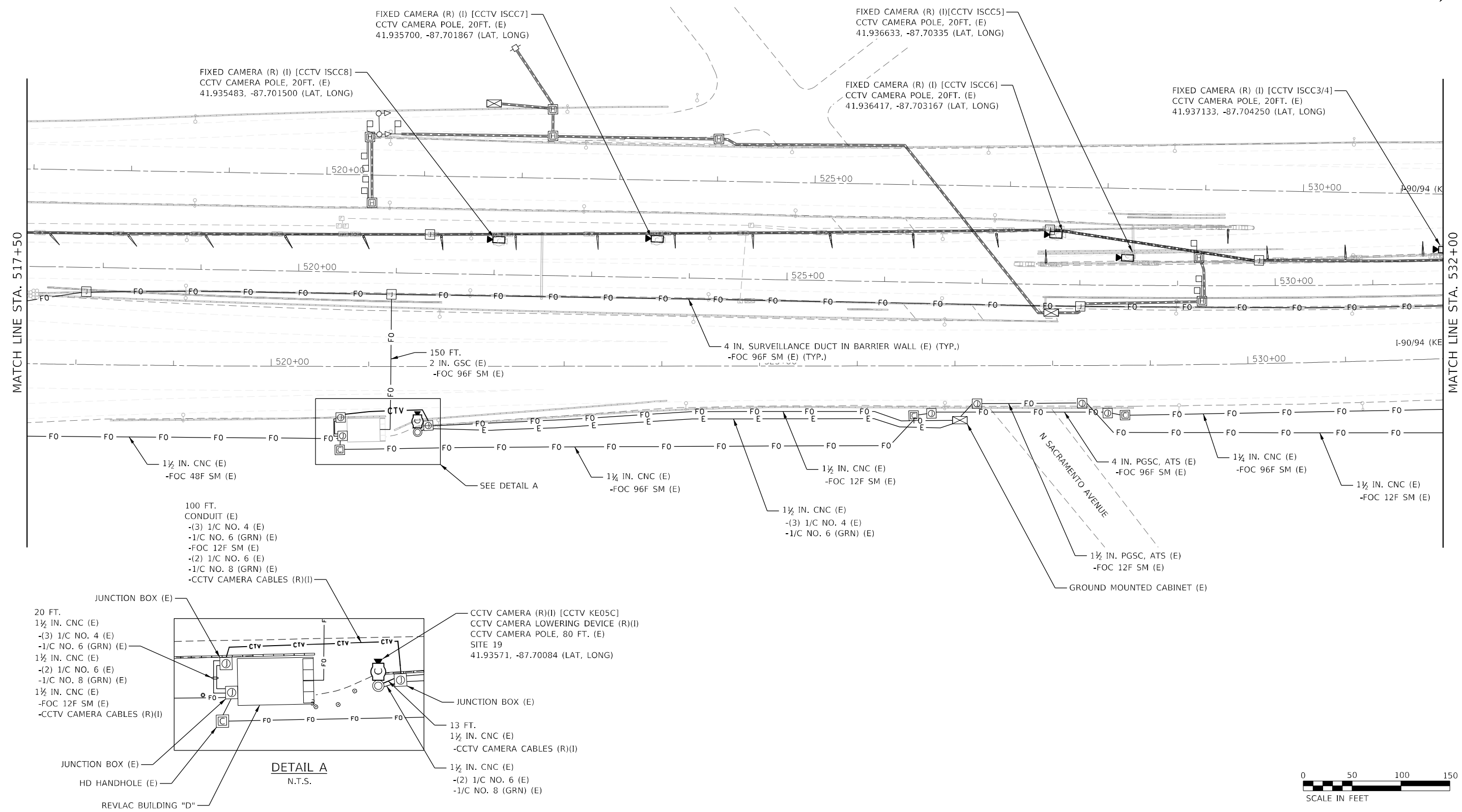
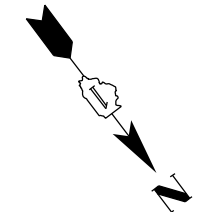
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<b>Jacobs</b>		DRAWN - RH	REVISED -
525 W. Monroe, Suite 1600, Chicago, IL 60661		CHECKED - CRH	REVISED -
	PLOT SCALE =	DATE - 1/27/2022	REVISED -
	PLOT DATE = 3/22/2022		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ITS PLANS PROPOSED CCTV PLANS - SITE 18</b>			
SCALE: 1" = 50'	SHEET 18 OF 51 SHEETS	STA. 502+50	TO STA. 517+50

P.A.I. RTE. 90/94	SECTION 2012-0081	COUNTY COOK	TOTAL SHEETS 268	SHEET NO. 98
CONTRACT NO. 60T46			ILLINOIS FED. AID PROJECT	

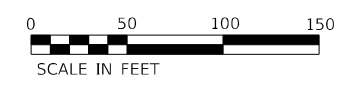
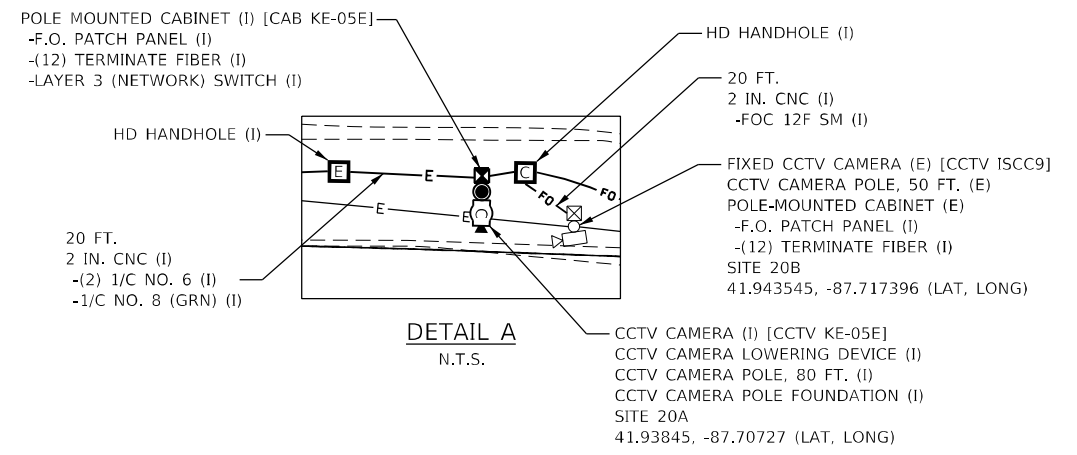
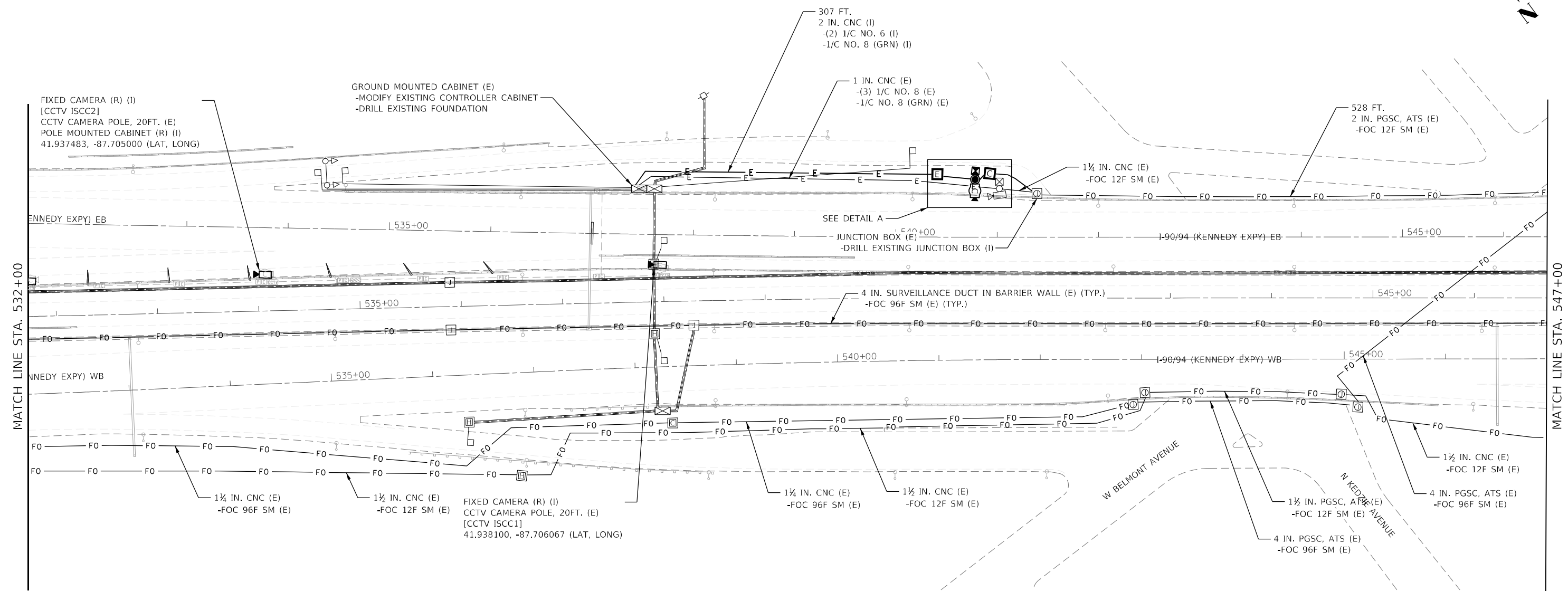
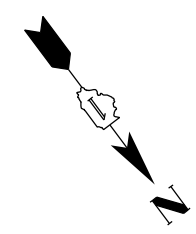
ITS-17



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	PLOT SCALE =	CHECKED - CRH	REVISED -		SCALE: 1" = 50'	SHEET 19 OF 51 SHEETS	STA. 517+50 TO STA. 532+00	90/94	2012-0081	COOK	268	99
PLOT DATE = 3/22/2022	DATE - 1/27/2022	REVISED -	REVISED -				CONTRACT NO. 60T46					
							ILLINOIS FED. AID PROJECT					

ITS-18



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 Designed - JJZ  
 Drawn - RH  
 Checked - CRH  
 Date - 1/27/2022  
 Plot Scale =  
 Plot Date = 3/22/2022

**Jacobs**  
 525 W. Monroe, Suite 1600, Chicago, IL 60661

DESIGNED - JJZ	REVISED -
DRAWN - RH	REVISED -
CHECKED - CRH	REVISED -
DATE - 1/27/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>ITS PLANS</b>			
<b>PROPOSED CCTV PLANS - SITES 20A AND 20B</b>			
SCALE: 1" = 50'	SHEET 20	OF 51 SHEETS	STA. 532+00 TO STA. 547+00

F.A.I. RTE. 90/94	SECTION 2012-0081	COUNTY COOK	TOTAL SHEETS 268	SHEET NO. 100
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T46	

ITS-19