

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	1
ILLINOIS			CONTRACT NO. 62D78	

FOR INDEX OF SHEETS AND STANDARDS SEE SHEET NO. 2

STATE OF ILLINOIS 09-22-2017 LETTING ITEM 008
 DEPARTMENT OF TRANSPORTATION

PROJECT LOCATED IN CITY OF CHICAGO * 83 + 7 = 90 total sheets
 D-91-277-13

DESIGN DESIGNATIONS:	POSTED DESIGN SPEEDS:	
WB I-290	86,700(2040) INTERSTATE	45 /50 MPH
RAMP NW	32,500(2040) INTERSTATE RAMP	35 /35 MPH
MORGAN ST EXIT RAMP	2,000(2040) INTERSTATE RAMP	30 /30 MPH



D.B.M. 4/20/17
 DANNY B. MANOJLOVSKI, P.E. DATE
 LICENSE EXPIRES 11/30/2017
 SHEET RANGE 1-47-77-83



William D. Stermer 4/20/2017
 WILLIAM D. STERMER, P.E. DATE
 LICENSE EXPIRES 11/30/2017
 SHEET RANGE 67

PROPOSED HIGHWAY PLANS

FAI 90/94/290 (I-90/94/290)
 (JANE BYRNE INTERCHANGE)
 I-290 WB 78" STORM SEWER
 SECTION: 2016-066T
 PROJECT: NHPP-000V (123)
 COOK COUNTY
 C-91-101-17



NPDES PERMIT INFORMATION	
NPDES Disturbed	
Area =	0.22 Acres
Approximate Location of Roadway is:	
Longitude	87° 39' 6" W
Latitude	41° 52' 32" N



Michael J. Eichten 4/20/17
 MICHAEL J. EICHEN, P.E. DATE
 LICENSE EXPIRES 11/30/2017
 SHEET RANGE 1-47-77-83

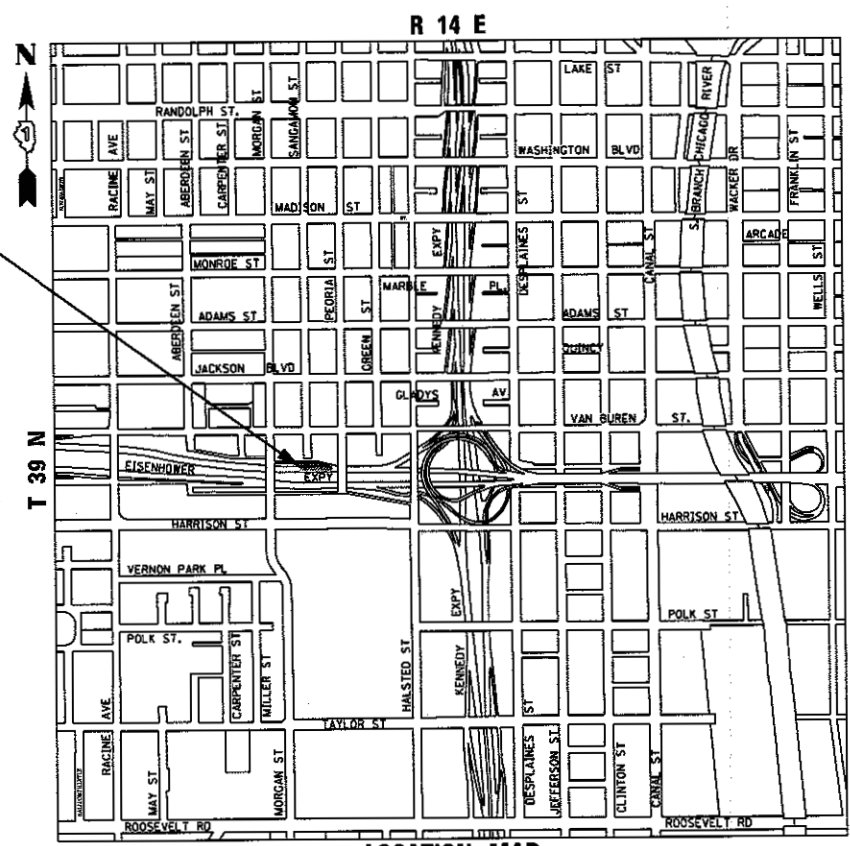


M.J.L. 4/20/17
 MATTHEW J. LETOURNEAU, P.E. DATE
 LICENSE EXPIRES 11/30/2017
 SHEET RANGE 68-69



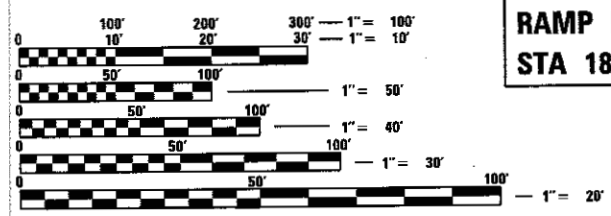
D.P.S. 4/20/17
 DRANIT P. SANCHEZ, P.E. DATE
 LICENSE EXPIRES 11/30/2017
 SHEET RANGE 1-47-77-83

78" STORM SEWER
 STA 1842 + 47.80 TO STA 1845 + 57.70
 RAMP NW PAVEMENT RECONSTRUCTION
 STA 1842 + 02.61 TO STA 1845 + 70.00



LOCATION MAP
 NOT TO SCALE

GROSS LENGTH = 367.39 FT (0.070 MILES)
 NET LENGTH = 367.39 FT (0.070 MILES)



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.

C.U.A.N.
 CHICAGO UTILITY ALERT NETWORK
 1-312-744-7000

PROJECT MANAGER: BRIAN KUTTAB, P.E.
 CONTRACT NO. 62D78

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 SUBMITTED April 21 2017
[Signature] REGIONAL ENGINEER
June 30 2017
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT
June 30 2017
[Signature] 2
 DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

DISTRICT 1 DESIGN /CONSULTANT SERVICES: BRIAN KUTTAB, P.E. (847)705-4431 SCHAUMBURG, ILLINOIS

REV

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* includes 50A

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
635001-02	DELINEATORS
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-10	LANE CLOSURE, FREEWAY / EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS GRATER THAN OR EQUAL TO 45 MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701446-08	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701901-06	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

DISTRICT 1 STANDARDS

BE-900	SUSPENDED MOUNT UNDERPASS LUMINAIRE INSTALLATION DETAILS
TC-08	ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC-12	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS (2 SHEETS)
TC-17	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
TC-18	FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAY/EXPRESSWAYS
TC-27	MILE POST MARKERS - GORE SIGNS MAJOR GUIDE SIGN LAYOUT - ARROWS

IDOT TRAFFIC SYSTEMS CENTER STANDARDS

TY-ITSC-418*1	EXISTING ROUND LOOP INSTALLATION
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COMMITMENTS

1. CONSTRUCTION NOISE AND CONSTRUCTION VIBRATION SHALL FOLLOW THE ENVIRONMENTAL COMMITMENT OUTLINED IN THE ENVIRONMENTAL ASSESSMENT - INCLUDED IN THE CONTRACT DOCUMENTS.
2. PROVISIONS FOR THE AIR QUALITY MONITORING PROGRAM SHALL FOLLOW THE ENVIRONMENTAL COMMITMENT OUTLINED IN THE ENVIRONMENTAL ASSESSMENT AND ERRATA - INCLUDED IN THE CONTRACT DOCUMENTS.

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D162078-shc-Gennote-01
USER NAME = ChiuA
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PLOT DATE = 7/19/2017

DESIGNED - OPS	REVISED -
DRAWN - OPS	REVISED -
CHECKED - MJE	REVISED -
DATE - 7/21/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF DRAWINGS, HIGHWAY STANDARDS,
DISTRICT 1 STANDARDS AND COMMITMENTS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	2
				CONTRACT NO. 62078
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. SEVENTY-TWO (72) HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CALL CUAN (CHICAGO UTILITY ALERT NETWORK) AT (312) 744-7000 TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED IN THE FIELD.
2. A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO ANY PLACEMENT OR RELOCATION OF MAINTENANCE OF TRAFFIC DEVICES, CONTACT ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) DISTRICT 1 BUREAU OF TRAFFIC.
3. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO PERFORM WORK.
4. TEN FOOT 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.
5. ALL ELEVATIONS IN THE PLANS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). THE CONVERSION OF NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) TO CITY OF CHICAGO DATUM IS APPROXIMATELY 579.19 FEET.
6. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE OR CITY PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT OR THE CITY OF CHICAGO.
7. CONTRACT 62D78 WILL USE THE FIELD OFFICE PROVIDED UNDER CONTRACT 60X76. CONTRACTOR WILL NOT NEED TO PROVIDE AN ENGINEER'S FIELD OFFICE FOR THIS CONTRACT. CONTRACTOR COOPERATION IS REQUIRED.
8. THE IDOT HIGHWAY STANDARDS LATEST REVISION NUMBERS SHALL APPLY TO THIS PROJECT.
9. CONFLICTS MAY OCCUR BETWEEN THE ROADWAY PLANS AND RIGHT-OF-WAY PLANS. THE RIGHT-OF-WAY PLANS SHALL TAKE PRECEDENCE IN CONFLICTS IN RIGHT-OF-WAY OR EASEMENTS. THE ROADWAY PLANS SHALL TAKE PRECEDENCE IN ITEMS FOR CONSTRUCTION.
10. ALL ROADWAY WIDTHS AND RADII SHOWN ON THE PLANS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
11. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
12. THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.
13. WHEN THE PAVEMENT CONSTRUCTED IS PORTLAND CEMENT CONCRETE BASE COURSE OR PORTLAND CEMENT CONCRETE PAVEMENT, IT SHALL NOT BE OPENED TO TRAFFIC, INCLUDING CONSTRUCTION TRAFFIC, UNTIL AFTER THE SPECIFIED CURING PERIOD AS DEFINED IN ARTICLE 70.17(c) OF THE STANDARD SPECIFICATIONS AND UNTIL THE JOINTS HAVE BEEN SEALED.
14. ALL REINFORCEMENT BARS, DOWEL BARS, AND TIE BARS SHOULD BE EPOXY COATED UNLESS OTHERWISE NOTED IN THE PLANS.
15. IF ANY UNUSUAL MATERIALS ARE UNCOVERED OR THERE ARE SUSPICIONS OF EXISTING UNDERGROUND STORAGE TANKS, THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK (LUST) CLEANUPS OR THAT IS PREQUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.
16. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING PLANT MATERIAL.
17. WHERE SECTION, SUBSECTION, SUBDIVISION OR PROPERTY MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
18. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR WILL NEED TO SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
19. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE 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 THE SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED UPON THE UNIT PRICE BID FOR THE WORK.
20. THE CONTRACTOR SHALL COORDINATE AND/OR MODIFY THE WORK SCHEDULE AS DIRECTED BY THE DEPARTMENT TO ACCOMMODATE SPECIAL EVENTS.

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PLOT DATE = 5/2/2017	DATE - 5/4/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	3
CONTRACT NO. 62D78				
ILLINOIS FED. AID PROJECT				

FILE PATH: P:\62078\62078.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FED 10% STATE ROADWAY	100% STATE ROADWAY	90% FED 10% STATE HIGHWAY LIGHTING
				0004	0004	0021
				URBAN	URBAN	URBAN
20200100	EARTH EXCAVATION	CU YD	800	800		
20800150	TRENCH BACKFILL	CU YD	1602.1	1602.1		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1067	1067		
21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	100	100		
28000510	INLET FILTERS	EACH	6	6		
30300124	AGGREGATE SUBGRADE IMPROVEMENT 24"	SQ YD	1067	1067		
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	577	577		
31102100	SUBBASE GRANULAR MATERIAL, TYPE C 4"	SQ YD	27	27		
31206800	STABILIZED SUBBASE - CEMENT AGGREGATE MIXTURE 11, 4"	SQ YD	490	490		
42000521	PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)	SQ YD	490	490		
42001300	PROTECTIVE COAT	SQ YD	1171	1171		
44000100	PAVEMENT REMOVAL	SQ YD	1094	1094		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	190	190		
54248510	CONCRETE COLLAR	CU YD	2.2	2.2		

14

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM



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 PLOT SCALE = 2.0000' / 1"
 PLOT DATE = 5/4/2017

DESIGNED - AFC
 DRAWN - AFC
 CHECKED - MJE
 DATE - 5/4/2017

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 4
CONTRACT NO. 62078				ILLINOIS FED. AID PROJECT

REV

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FED 10% STATE ROADWAY	100% STATE ROADWAY	90% FED 10% STATE HIGHWAY LIGHTING
				0004	0004	0021
				URBAN	URBAN	URBAN
550A1130	STORM SEWERS, CLASS A, TYPE 4 78"	FOOT	295	295		
55100500	STORM SEWER REMOVAL 12"	FOOT	41	41		
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	1091	1091		
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1		
60500050	REMOVING CATCH BASINS	EACH	2	2		
63700175	CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT	FOOT	49	49		
63700805	CONCRETE BARRIER TRANSITION	FOOT	10	10		
63700900	CONCRETE BARRIER BASE	FOOT	108	108		
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1400	1400		
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1		
67100100	MOBILIZATION	LSUM	1	1		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	2650	2650		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1825	1825		

* DENOTES SPECIALTY ITEM ** DENOTES NON-PARTICIPATING ITEM



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 PLOT SCALE = 2.0000 "/>

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 DRAWN - AFC REVISED -
 CHECKED - MJE REVISED -
 DATE - 5/4/2017 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 5
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

REV

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FED 10% STATE ROADWAY 0004 URBAN	100% STATE ROADWAY 0004 URBAN	90% FED 10% STATE HIGHWAY LIGHTING 0021 URBAN
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	825	825		
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	3	3		
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	3	3		
* 72000200	SIGN PANEL - TYPE 2	SO FT	34	34		
* 72400320	REMOVE SIGN PANEL - TYPE 2	SO FT	20	20		
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	12	12		
* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	1	1		
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	224	224		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	15		15	
* 81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	30		30	
* 81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	2		2	
* 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	90		90	
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	448		448	
14 Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1		

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 6
CONTRACT NO. 62078				ILLINOIS FED. AID PROJECT

FILE PATH = P:\60288727\0800_LPO_005_Roadway\Printing\62078\Final\20170504\0162078-shr-500.dgn



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USER NAME = d.shevez
PLOT SCALE = 2.0000 1/1 in.
PLOT DATE = 5/4/2017

DESIGNED - AFC
DRAWN - AFC
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DATE - 5/4/2017

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FILE PATH: P:\62078\2016\006\Roadway\Print\62078-Final_20170504-D162078-rt-S00.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FED 10% STATE ROADWAY	100% STATE ROADWAY	90% FED 10% STATE HIGHWAY LIGHTING
				0004	0004	0021
				URBAN	URBAN	URBAN
** Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	6		6	
Z0018913	DRILL AND GROUT #8 TIE BARS	EACH	184	184		
Z0019600	DUST CONTROL WATERING	UNIT	5	5		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	92	92		
Z0037300	PAVEMENT GROOVING	SO YD	490	490		
Z0062456	TEMPORARY PAVEMENT	SO YD	577	577		
Ø Z0076600	TRAINEES	HOUR	500	500		
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500		
X0327267	SLOPE INCLINOMETER	EACH	4	4		
X0327357	CONSTRUCTION VIBRATION MONITORING	LSUM	1	1		
* X0327616	MAINTAINING ITS DURING CONSTRUCTION	CAL MO	4			4
X0327645	TEMPORARY SOIL RETENTION SYSTEM (SPECIAL)	SQ FT	16146	16146		
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	4264	4264		
X1200028	REMOVE TEMPORARY BULKHEAD	EACH	2	2		
** X1300001	STORM SEWERS TO BE CLEANED 84"	FOOT	867		867	
** X5538700	STORM SEWERS TO BE CLEANED 42"	FOOT	50		50	

* DENOTES SPECIALTY ITEM ** DENOTES NON-PARTICIPATING ITEM Ø 0042



D162078-eh-S00.dgn
 USER NAME = dshovez
 PLOT SCALE = 2,0000' / 1" =
 PLOT DATE = 5/4/2017

DESIGNED - AFC REVISED -
 DRAWN - AFC REVISED -
 CHECKED - MJE REVISED -
 DATE - 5/4/2017 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 7
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FED 10% STATE ROADWAY	100% STATE ROADWAY	90% FED 10% STATE HIGHWAY LIGHTING
				0004	0004	0021
				URBAN	URBAN	URBAN
X6370250	CONCRETE BARRIER, VARIABLE CROSS-SECTION 42" HEIGHT	FOOT	49	49		
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	1	1		
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	100	100		
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	100	100		
X7035104	TEMPORARY EPOXY PAVEMENT MARKING - LINE 4"	FOOT	13806	13806		
X7035108	TEMPORARY EPOXY PAVEMENT MARKING - LINE 8"	FOOT	2410	2410		
X7035112	TEMPORARY EPOXY PAVEMENT MARKING - LINE 12"	FOOT	101	101		
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	636	636		
* X8100863	INTERCEPT EXISTING CONDUIT	EACH	2			2
* X8130115	DRILL EXISTING JUNCTION BOX	EACH	2			2
* X8730312	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	FOOT	112			112
* X8850109	PREFORMED INDUCTION LOOP	FOOT	100			100
** X1300002	STORM SEWERS TO BE CLEANED 78"	FOOT	2096		2096	
X0900045	TEMPORARY PUMPING SYSTEM	CAL DA	100	100		

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM

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 DATE - 5/4/2017

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 8
CONTRACT NO. 62D78			ILLINOIS FED. AID PROJECT	

REV

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FED 10% STATE ROADWAY	100% STATE ROADWAY	90% FED 10% STATE HIGHWAY LIGHTING
				0004 URBAN	0004 URBAN	0021 URBAN
X0320075	GROUND ELEVATION MONITORING	LSUM	1	1		
* X1400249	LUMINAIRE, UNDERPASS, LED, TYPE C	EACH	2			2
X1200112	REINFORCED CONCRETE PIPE ELBOW 78"	EACH	2	2		

3

* DENOTES SPECIALTY ITEM ** DENOTES NON-PARTICIPATING ITEM



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PLOT DATE = 5/4/2017

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DATE - 5/4/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

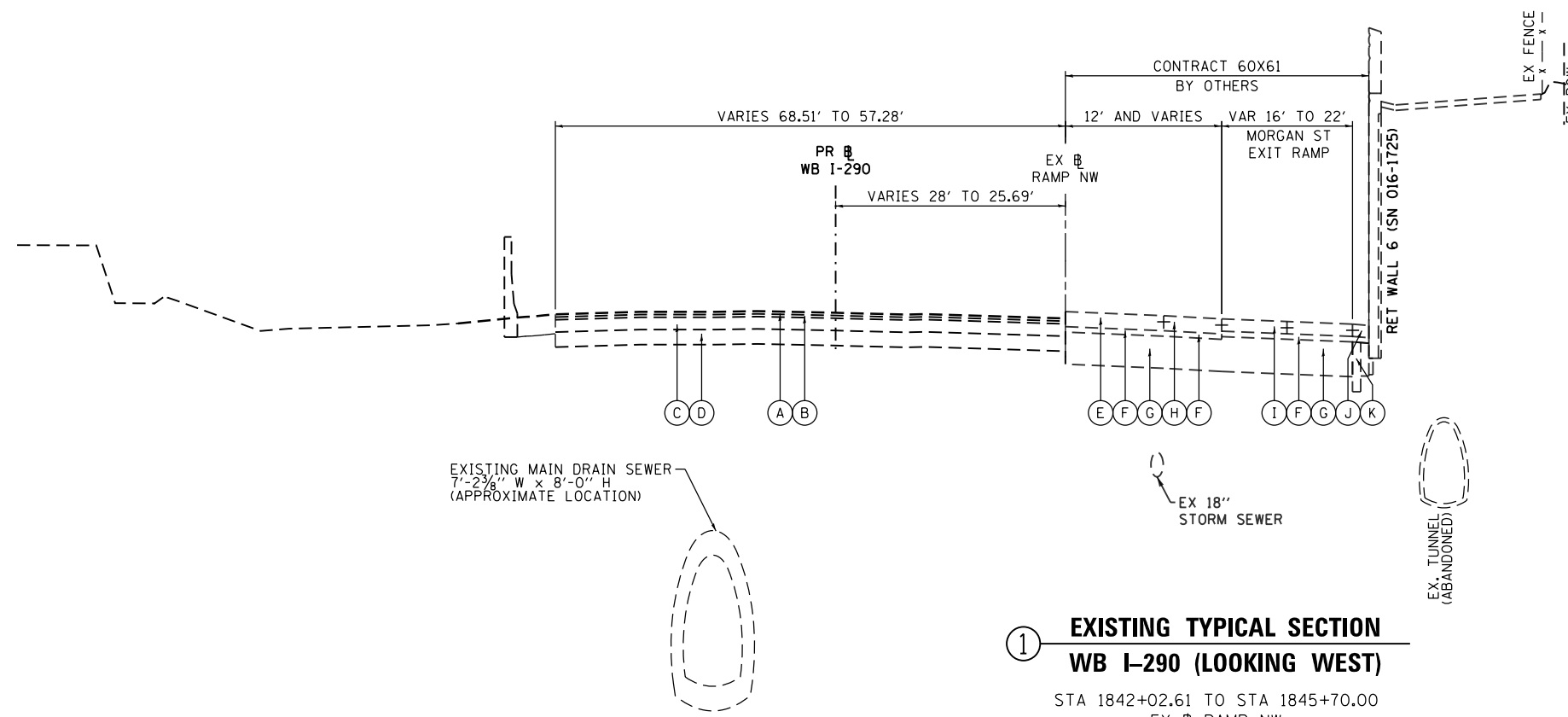
SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	9
CONTRACT NO. 62078			ILLINOIS FED. AID PROJECT	

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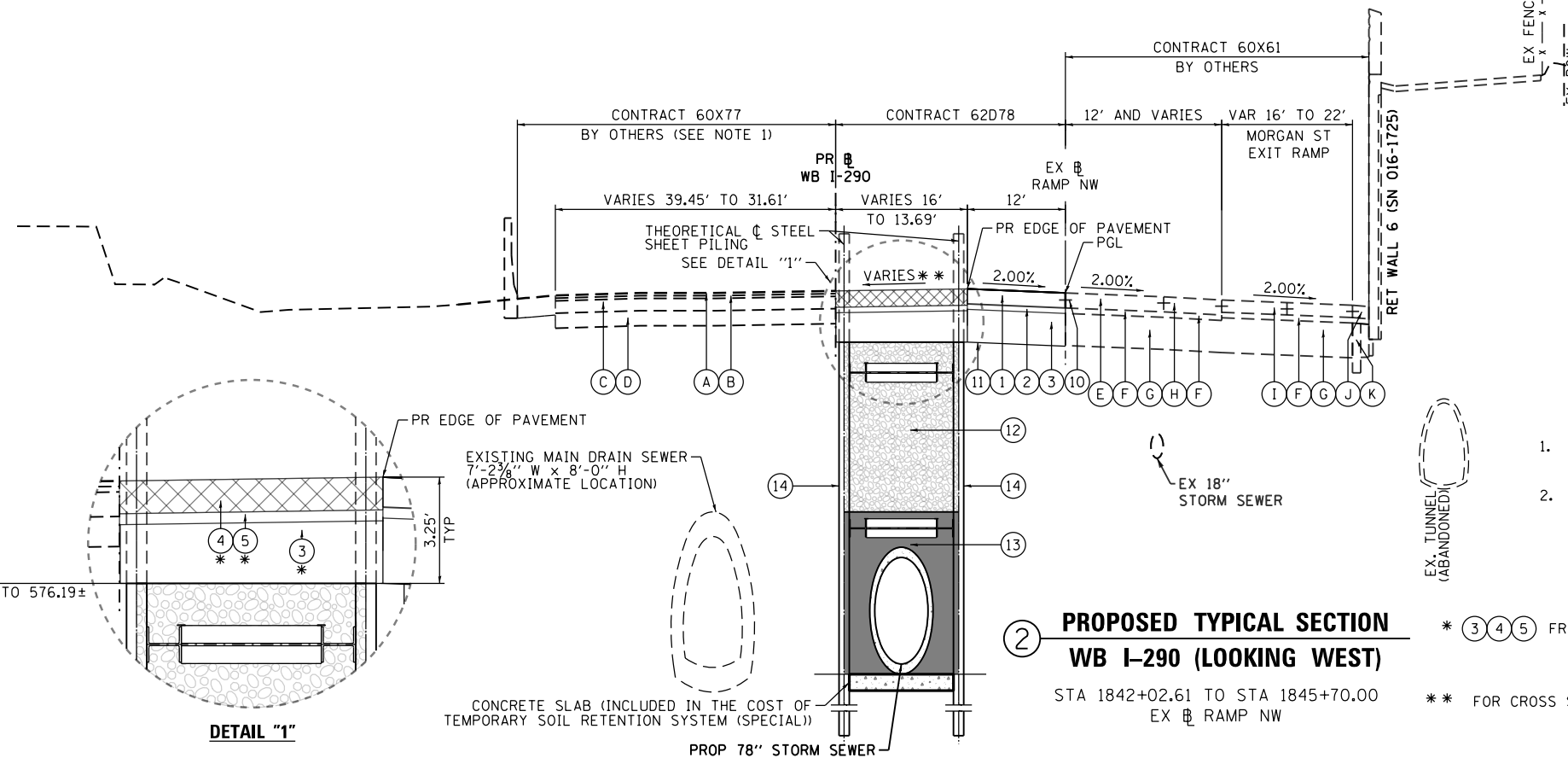
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**1 EXISTING TYPICAL SECTION
WB I-290 (LOOKING WEST)**
STA 1842+02.61 TO STA 1845+70.00
EX RAMP NW

- EXISTING**
- (A) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
 - (B) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
 - (C) PCC BASE COURSE
 - (D) STABILIZED SUBBASE, 4"
 - (E) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
 - (F) STABILIZED SUBBASE HOT-MIX ASPHALT, 4"
 - (G) AGGREGATE SUBGRADE IMPROVEMENT 24"
 - (H) PORTLAND CEMENT CONCRETE SHOULDERS 11"
 - (I) PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
 - (J) PORTLAND CEMENT CONCRETE SHOULDER, 9"
 - (K) PIPE UNDERDRAINS 6"



**2 PROPOSED TYPICAL SECTION
WB I-290 (LOOKING WEST)**
STA 1842+02.61 TO STA 1845+70.00
EX RAMP NW

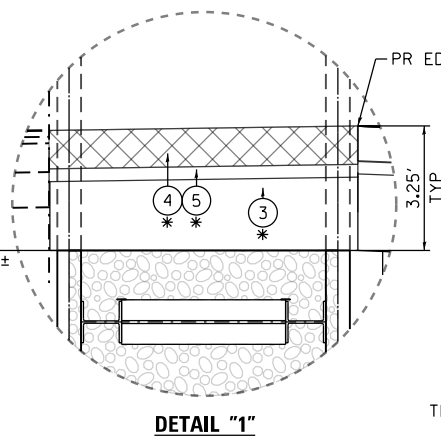
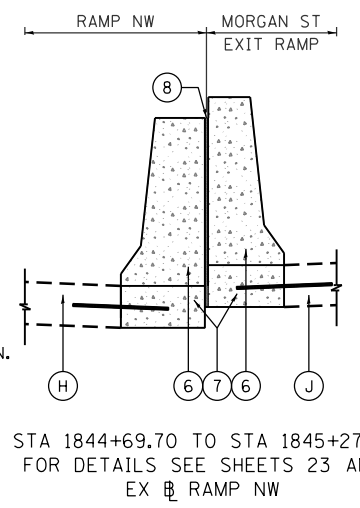
- PROPOSED**
- (1) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
 - (2) STABILIZED SUBBASE - CEMENT AGGREGATE MIXTURE II, 4" (WITH BOND BREAKER)
 - (3) AGGREGATE SUBGRADE IMPROVEMENT 24"
 - (4) TEMPORARY PAVEMENT
 - (5) SUBBASE GRANULAR MATERIAL, TYPE B 4"
 - (6) CONCRETE BARRIER (SEE ROADWAY DETAIL SHEETS 23 AND 24)
 - (7) CONCRETE BARRIER BASE
 - (8) PREFORMED JOINT FILLER (INCLUDED IN THE COST OF CONCRETE BARRIER OR CONCRETE BARRIER TRANSITION)
 - (9) LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 24" CENTERS, INCLUDED IN COST OF PCC ITEMS
 - (10) DRILL AND GROUT #8 TIE BARS AT 24" CENTERS
 - (11) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 - (12) TRENCH BACKFILL (SEE DRAINAGE AND UTILITIES GENERAL NOTES AND SCHEDULE)
 - (13) CONTROLLED LOW-STRENGTH MATERIAL (SEE DRAINAGE AND UTILITIES GENERAL NOTES AND SCHEDULE)
 - (14) TEMPORARY SOIL RETENTION SYSTEM (SPECIAL) (SEE STRUCTURAL PLANS)

- LEGEND**
- TEMPORARY PAVEMENT

- NOTE:**
1. PROPOSED IMPROVEMENTS UNDER CONTRACT 60X77 (BY OTHERS) ARE NOT SHOWN FOR CLARITY.
 2. THE TEMPORARY SOIL RETENTION SYSTEM (SPECIAL) SHALL BE CUT 3.25 FEET BELOW THE PROPOSED EDGE OF PAVEMENT UPON COMPLETION OF SEWER INSTALLATION.

* (3) (4) (5) FROM STA 1842+36.94 TO STA 1845+70.00

** FOR CROSS SLOPES SEE PAVEMENT JOINTING AND ELEVATIONS PLAN ON SHEET 25



CUT LINE EL
VARIES 574.58± TO 576.19±
(SEE NOTE 2)



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

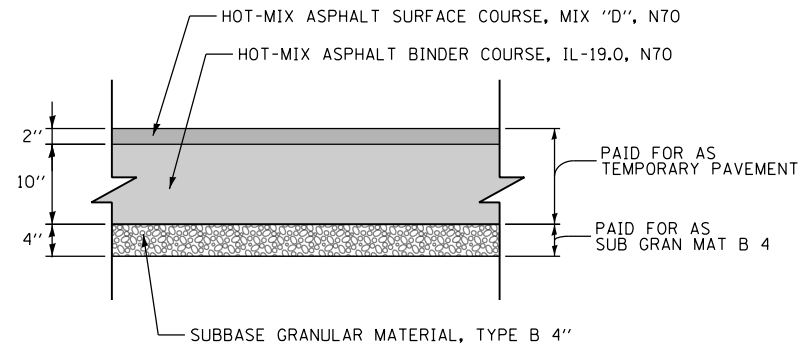
TYPICAL SECTIONS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	10
CONTRACT NO. 62D78				
ILLINOIS FED. AID PROJECT				

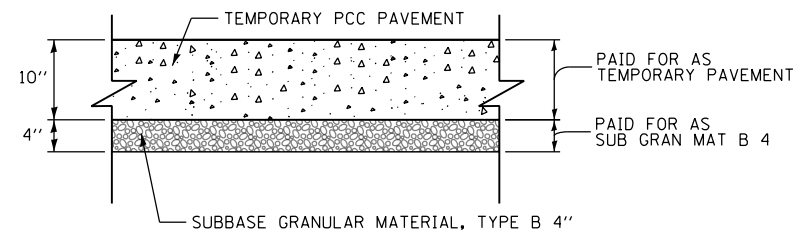
TEMPORARY PAVEMENT DETAILS:

DETAIL A: FULL DEPTH TEMPORARY HMA PAVEMENT



**TEMPORARY HMA PAVEMENT FOR
TEMPORARY WB I-290**

DETAIL B: TEMPORARY PCC PAVEMENT



**TEMPORARY PCC PAVEMENT FOR
TEMPORARY WB I-290**

TEMPORARY PAVEMENT GENERAL NOTES:

1. THE CONTRACTOR SHALL HAVE THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT, UNLESS OTHERWISE SHOWN ON THE PLANS.
2. TEMPORARY HMA TEMPORARY PAVEMENT SHALL CONSIST OF TWO ITEMS: HMA BINDER COURSE AND HMA SURFACE COURSE.
3. PORTLAND CEMENT CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ARTICLE 1020 OF THE STANDARD SPECIFICATIONS. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

HOT MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS (%) @ND5	OMP
TEMPORARY PAVEMENT (IF HMA OPTION IS SELECTED BY CONTRACTOR)		
WB I-290		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, (IL-9.5 MM): 2"	4% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70: 10" (IN 4 LIFTS)	4% @ 70 GYR	QC/QA
OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)		

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. FOR NON-POLYMERIZED HMA THE AC TYPE SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.
3. QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

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 CHECKED - MJE
 DATE - 7/21/2017

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS - TEMPORARY PAVEMENT

SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	11
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

REMOVAL SCHEDULE

SHEET	ROADWAY	PAVEMENT REMOVAL
		SQ YD
1	5250+40 TO 5237+25	1,094

TOTALS	1,094
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SAFETY ITEMS SCHEDULE

SHEET	ROADWAY (P-CIR-NW)	CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT	CONCRETE BARRIER TRANSITION	CONCRETE BARRIER, VARIABLE CROSS-SECTION 42" HEIGHT	CONCRETE BARRIER BASE	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	BARRIER WALL REFLECTORS, TYPE C
		FOOT	FOOT	FOOT	FOOT	EACH	EACH
1	1842+02.61 TO 1845+70.00	49	10	49	108	1	12

TOTALS	49	10	49	108	1	12
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ROADWAY SCHEDULE

SHEET	ROADWAY (P-CIR-NW)	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	AGGREGATE SUBGRADE IMPROVEMENT 24"	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SUBBASE GRANULAR MATERIAL, TYPE C 4"	STABILIZED SUBBASE - CEMENT AGGREGATE MIXTURE 11, 4"	PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)	PROTECTIVE COAT	PAVEMENT GROOVING	TEMPORARY PAVEMENT	DRILL AND GROUT #8 TIE BARS
		SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH
1	1842+02.61 TO 1845+70.00	1,067	1,067	577	27	490	490	1,171	490	577	184

TOTALS	1,067	1,067	577	27	490	490	1,171	490	577	184
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EARTHWORK SCHEDULE

• NOT A PAY ITEM

STATION TO STATION		EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE *	EMBANKMENT *	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) *
		CU YD	CU YD	CU YD	CU YD
5227+93.55	5228+00.00	8	7	0	7
5228+00.00	5228+28.03	46	39	0	39
5228+28.03	5228+50.00	47	40	0	40
5228+50.00	5229+00.00	114	97	0	97
5229+00.00	5229+50.00	114	97	0	97
5229+50.00	5230+00.00	111	94	0	94
5230+00.00	5230+50.00	108	92	0	92
5230+50.00	5230+62.44	27	23	0	23
5230+62.44	5230+72.34	22	19	0	19
5230+72.34	5231+00.00	62	53	0	53
5231+00.00	5231+50.00	111	94	0	94
5231+50.00	5231+61.40	26	22	0	22

TOTALS	796	677	0	677
ROUNDED TOTAL	800			

- NOTES:**
- ESTIMATED SHRINKAGE FACTOR = 15%.
 - APPROXIMATE EARTHWORK BALANCE IS SHOWN FOR INFORMATION ONLY.
 - EARTH EXCAVATION TOTAL IS ROUNDED UP TO THE NEAREST 5 CU YD.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

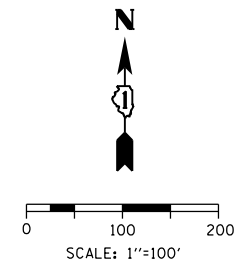
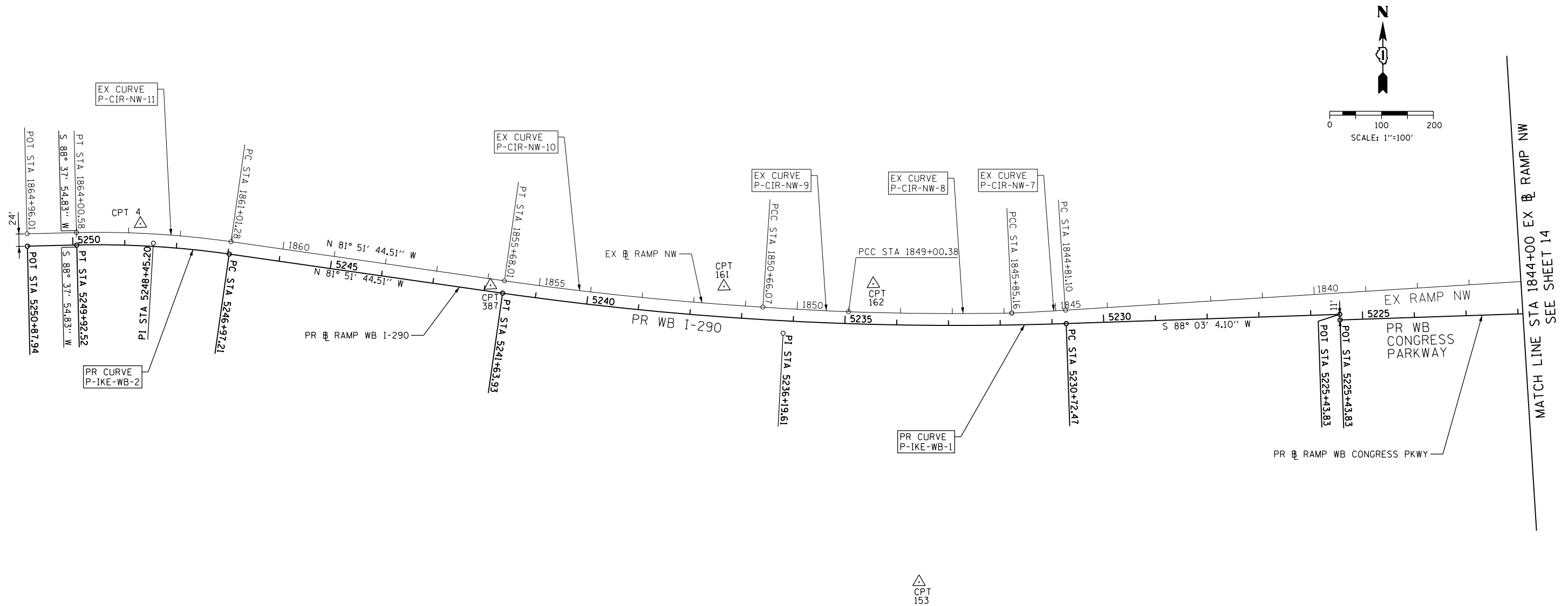
SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	12
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

PR WB CONGRESS PARKWAY				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		5195+00.00	1,898,052.6914	1,173,756.5587
PI		5201+35.63	1,898,036.6318	1,173,121.1308
PI		5205+28.11	1,898,031.0482	1,172,728.6943
PC	P-CON-WB-1	5211+50.90	1,898,015.3129	1,172,106.1021
PI	P-CON-WB-1	5212+68.02	1,898,012.3536	1,171,989.0129
PT	P-CON-WB-1	5213+84.75	1,898,026.1351	1,171,872.6999
PC	P-CON-WB-2	5216+99.19	1,898,063.1327	1,171,560.4465
PI	P-CON-WB-2	5218+24.26	1,898,077.8485	1,171,436.2477
PT	P-CON-WB-2	5219+48.84	1,898,073.5952	1,171,311.2524
POT		5225+43.83	1,898,053.3612	1,170,716.6100

PR WB I-290				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		5225+43.83	1,898,064.3549	1,170,716.2359
PC	P-IKE-WB-1	5230+72.47	1,898,046.3772	1,170,187.9023
PI	P-IKE-WB-1	5236+19.61	1,898,027.7701	1,169,641.0731
PT	P-IKE-WB-1	5241+63.93	1,898,105.2194	1,169,099.4366
PC	P-IKE-WB-2	5246+97.21	1,898,180.7051	1,168,571.5324
PI	P-IKE-WB-2	5248+45.20	1,898,201.6542	1,168,425.0263
PT	P-IKE-WB-2	5249+92.52	1,898,198.1207	1,168,277.0721
POT		5250+87.94	1,898,195.8424	1,168,181.6736



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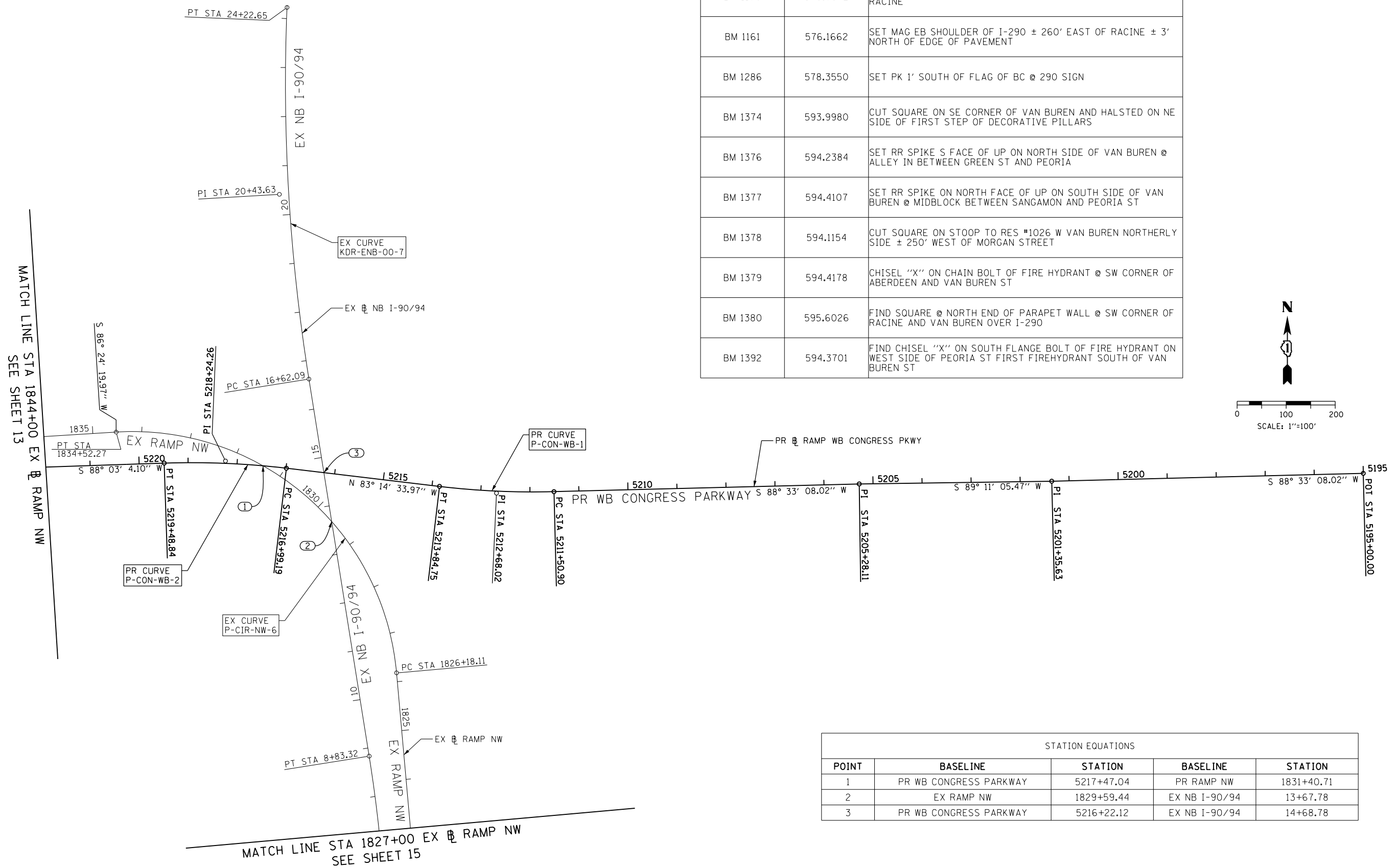
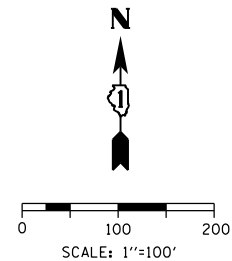
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	13
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

BENCHMARKS		
MONUMENT	ELEVATION	DESCRIPTION
BM 1160	579.6942	SET "X" ON EB I-290 NORTHERLY JAYWALL ± 75' WEST OF RACINE
BM 1161	576.1662	SET MAG EB SHOULDER OF I-290 ± 260' EAST OF RACINE ± 3' NORTH OF EDGE OF PAVEMENT
BM 1286	578.3550	SET PK 1' SOUTH OF FLAG OF BC @ 290 SIGN
BM 1374	593.9980	CUT SQUARE ON SE CORNER OF VAN BUREN AND HALSTED ON NE SIDE OF FIRST STEP OF DECORATIVE PILLARS
BM 1376	594.2384	SET RR SPIKE S FACE OF UP ON NORTH SIDE OF VAN BUREN @ ALLEY IN BETWEEN GREEN ST AND PEORIA
BM 1377	594.4107	SET RR SPIKE ON NORTH FACE OF UP ON SOUTH SIDE OF VAN BUREN @ MIDBLOCK BETWEEN SANGAMON AND PEORIA ST
BM 1378	594.1154	CUT SQUARE ON STOOP TO RES #1026 W VAN BUREN NORTHERLY SIDE ± 250' WEST OF MORGAN STREET
BM 1379	594.4178	CHISEL "X" ON CHAIN BOLT OF FIRE HYDRANT @ SW CORNER OF ABERDEEN AND VAN BUREN ST
BM 1380	595.6026	FIND SQUARE @ NORTH END OF PARAPET WALL @ SW CORNER OF RACINE AND VAN BUREN OVER I-290
BM 1392	594.3701	FIND CHISEL "X" ON SOUTH FLANGE BOLT OF FIRE HYDRANT ON WEST SIDE OF PEORIA ST FIRST FIREHYDRANT SOUTH OF VAN BUREN ST



STATION EQUATIONS				
POINT	BASELINE	STATION	BASELINE	STATION
1	PR WB CONGRESS PARKWAY	5217+47.04	PR RAMP NW	1831+40.71
2	EX RAMP NW	1829+59.44	EX NB I-90/94	13+67.78
3	PR WB CONGRESS PARKWAY	5216+22.12	EX NB I-90/94	14+68.78

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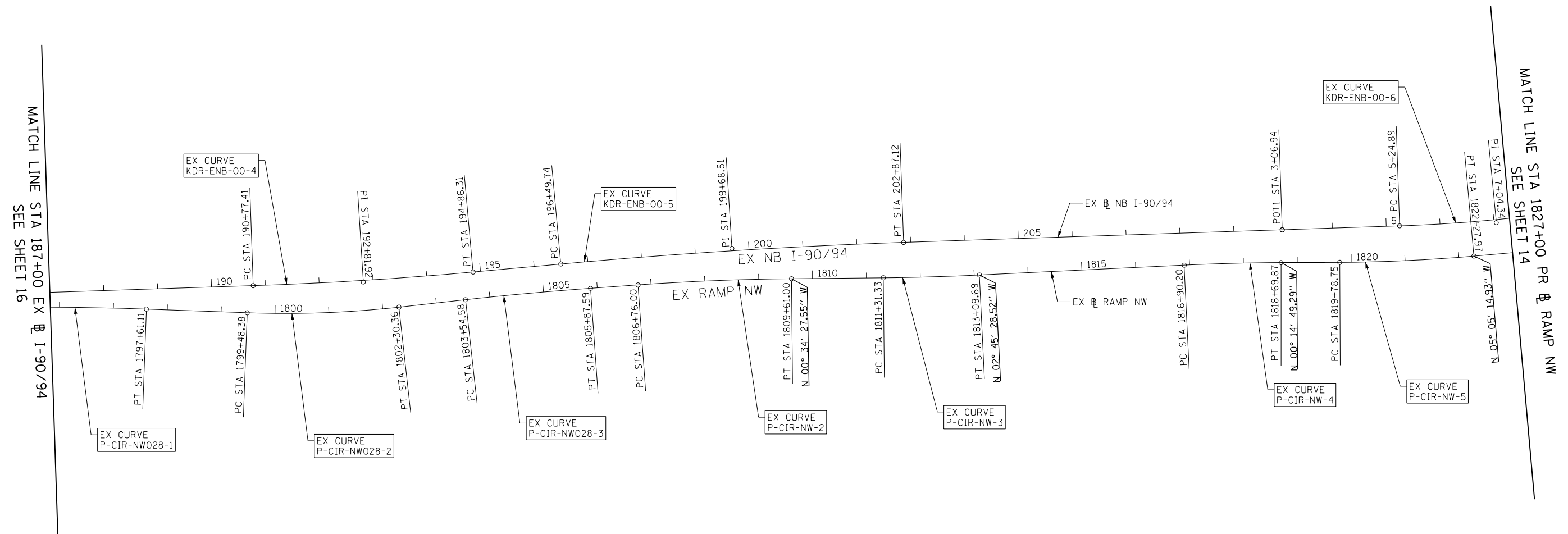
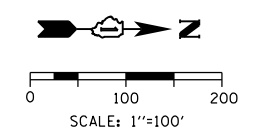
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DATE - 5/4/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	14
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				



EX RAMP NW				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
PC	P-CIR-NW028-1	1793+91.87	1,894,424.9433	1,171,917.3942
PI	P-CIR-NW028-1	1795+76.56	1,894,609.5332	1,171,911.2671
PT	P-CIR-NW028-1	1797+61.11	1,894,794.1009	1,171,918.0313
PC	P-CIR-NW028-2	1799+48.38	1,894,981.2518	1,171,924.8902
PI	P-CIR-NW028-2	1800+89.63	1,895,122.4042	1,171,930.0633
PT	P-CIR-NW028-2	1802+30.36	1,895,262.7818	1,171,914.4154
PC	P-CIR-NW028-3	1803+54.58	1,895,386.2379	1,171,900.6538
PI	P-CIR-NW028-3	1804+71.10	1,895,502.0395	1,171,887.7454
PT	P-CIR-NW028-3	1805+87.59	1,895,618.2654	1,171,879.4886
PC	P-CIR-NW-2	1806+76.00	1,895,706.4495	1,171,873.2240
PI	P-CIR-NW-2	1808+18.54	1,895,848.6350	1,171,863.1231
PT	P-CIR-NW-2	1809+61.00	1,895,991.1717	1,171,861.6943
PC	P-CIR-NW-3	1811+31.33	1,896,161.4986	1,171,859.9869
PI	P-CIR-NW-3	1812+20.52	1,896,250.6848	1,171,859.0929
PT	P-CIR-NW-3	1813+09.69	1,896,339.7721	1,171,854.8014
PC	P-CIR-NW-4	1816+90.20	1,896,719.8362	1,171,836.4929
PI	P-CIR-NW-4	1817+80.05	1,896,809.5845	1,171,832.1696
PT	P-CIR-NW-4	1818+69.87	1,896,899.4361	1,171,831.7822

EX RAMP NW				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
PC	P-CIR-NW-5	1819+78.75	1,897,008.3109	1,171,831.3128
PI	P-CIR-NW-5	1821+03.43	1,897,132.9947	1,171,830.7752
PT	P-CIR-NW-5	1822+27.97	1,897,257.1884	1,171,819.7186
PC	P-CIR-NW-6	1826+18.11	1,897,645.7922	1,171,785.1222
PI	P-CIR-NW-6	1831+44.22	1,898,169.8283	1,171,738.4686
PT	P-CIR-NW-6	1834+52.27	1,898,136.8445	1,171,213.3949
PC	P-CIR-NW-7	1844+81.10	1,898,072.3431	1,170,186.5877
PI	P-CIR-NW-7	1845+33.13	1,898,069.0809	1,170,134.6571
PCC	P-CIR-NW-7/P-CIR-NW-8	1845+85.16	1,898,066.6941	1,170,082.6789
PI	P-CIR-NW-8	1847+42.80	1,898,063.9985	1,169,925.0614
PCC	P-CIR-NW-8/P-CIR-NW-9	1849+00.38	1,898,069.3462	1,169,767.5115
PI	P-CIR-NW-9	1849+83.23	1,898,072.6566	1,169,684.7253
PCC	P-CIR-NW-9/P-CIR-NW-10	1850+66.07	1,898,078.1862	1,169,602.0576
PI	P-CIR-NW-10	1853+17.18	1,898,093.4331	1,169,351.4132
PT	P-CIR-NW-10	1855+68.01	1,898,128.9778	1,169,102.8339
PC	P-CIR-NW-11	1861+01.28	1,898,204.4635	1,168,574.9297
PI	P-CIR-NW-11	1862+51.28	1,898,225.6950	1,168,426.4481
PT	P-CIR-NW-11	1864+00.58	1,898,222.1139	1,168,276.4991
POT		1864+96.01	1,898,219.8355	1,168,181.1006

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 PLOT SCALE = 200.0000' / in.
 PLOT DATE = 5/2/2017

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 DRAWN - NWM
 CHECKED - MJE
 DATE - 5/4/2017

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

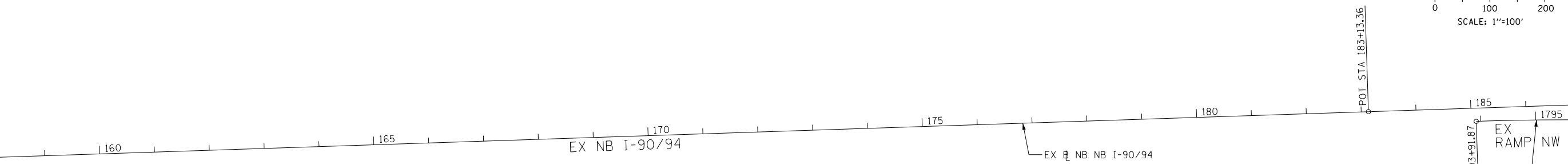
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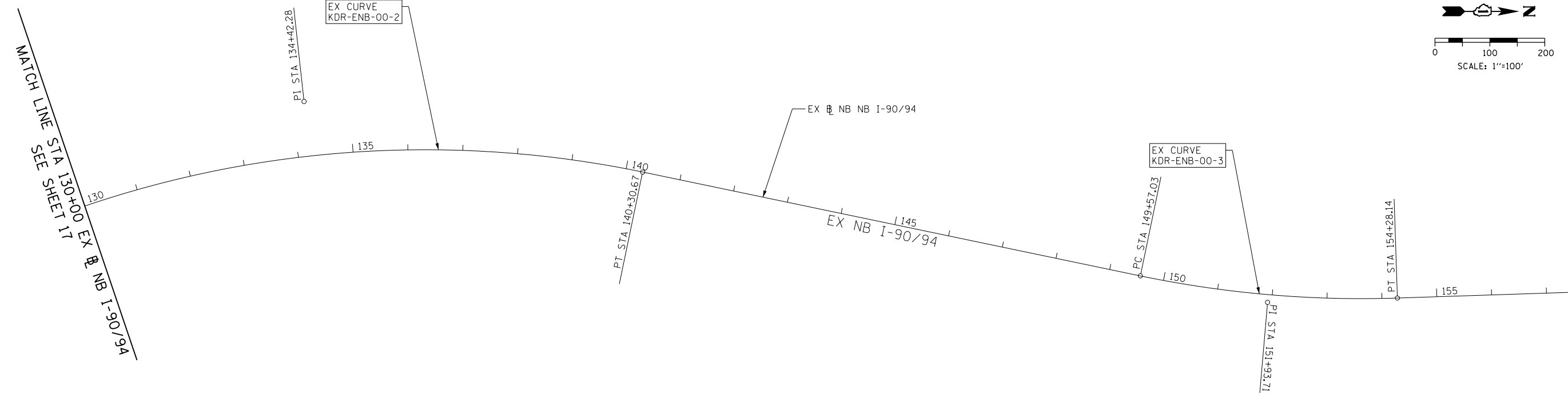
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90/94/290	2016-066T	COOK	83	15
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

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MATCH LINE STA 158+00 EX NB I-90/94
SEE BELOW



MATCH LINE STA 187+00 EX NB I-90/94
SEE SHEET 15



MATCH LINE STA 130+00 EX NB I-90/94
SEE SHEET 17

MATCH LINE STA 158+00 EX NB I-90/94
SEE ABOVE



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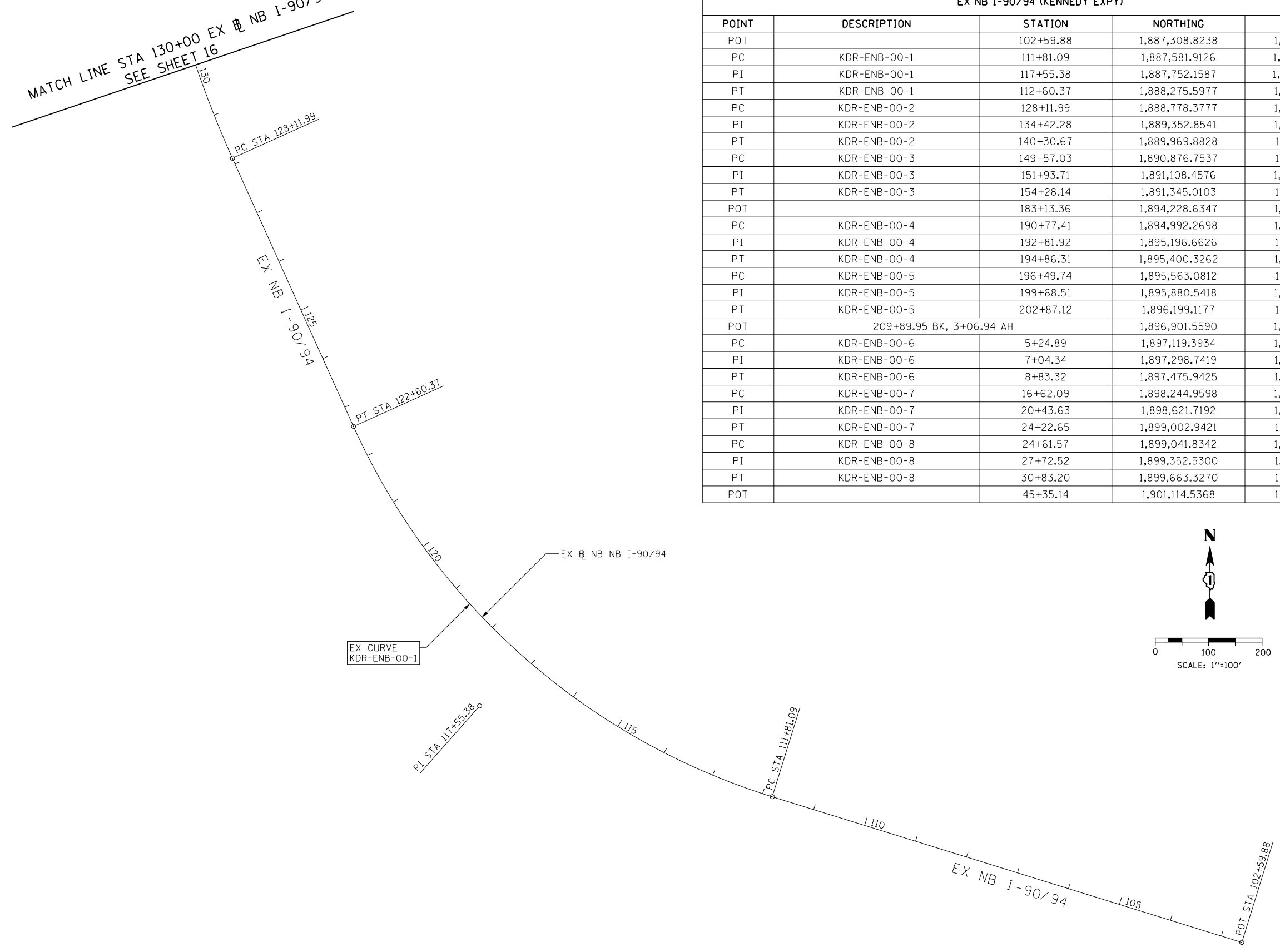
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DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

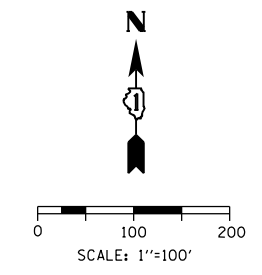
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	16
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 130+00 EX NB I-90/94
SEE SHEET 16



EX NB I-90/94 (KENNEDY EXPY)				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		102+59.88	1,887,308.8238	1,173,788.3601
PC	KDR-ENB-00-1	111+81.09	1,887,581.9126	1,172,908.5568
PI	KDR-ENB-00-1	117+55.38	1,887,752.1587	1,172,360.0790
PT	KDR-ENB-00-1	112+60.37	1,888,275.5977	1,172,123.8097
PC	KDR-ENB-00-2	128+11.99	1,888,778.3777	1,171,896.8654
PI	KDR-ENB-00-2	134+42.28	1,889,352.8541	1,171,637.5590
PT	KDR-ENB-00-2	140+30.67	1,889,969.8828	1,171,766.1612
PC	KDR-ENB-00-3	149+57.03	1,890,876.7537	1,171,955.1729
PI	KDR-ENB-00-3	151+93.71	1,891,108.4576	1,172,003.4651
PT	KDR-ENB-00-3	154+28.14	1,891,345.0103	1,171,995.6132
POT		183+13.36	1,894,228.6347	1,171,899.8969
PC	KDR-ENB-00-4	190+77.41	1,894,992.2698	1,171,874.5496
PI	KDR-ENB-00-4	192+81.92	1,895,196.6626	1,171,867.7651
PT	KDR-ENB-00-4	194+86.31	1,895,400.3262	1,171,849.2283
PC	KDR-ENB-00-5	196+49.74	1,895,563.0812	1,171,834.4148
PI	KDR-ENB-00-5	199+68.51	1,895,880.5418	1,171,805.5204
PT	KDR-ENB-00-5	202+87.12	1,896,199.1177	1,171,794.3177
POT		209+89.95 BK, 3+06.94 AH	1,896,901.5590	1,171,770.9004
PC	KDR-ENB-00-6	5+24.89	1,897,119.3934	1,171,763.6385
PI	KDR-ENB-00-6	7+04.34	1,897,298.7419	1,171,757.6595
PT	KDR-ENB-00-6	8+83.32	1,897,475.9425	1,171,729.3467
PC	KDR-ENB-00-7	16+62.09	1,898,244.9598	1,171,606.4743
PI	KDR-ENB-00-7	20+43.63	1,898,621.7192	1,171,546.2763
PT	KDR-ENB-00-7	24+22.65	1,899,002.9421	1,171,561.7870
PC	KDR-ENB-00-8	24+61.57	1,899,041.8342	1,171,563.3694
PI	KDR-ENB-00-8	27+72.52	1,899,352.5300	1,171,576.0107
PT	KDR-ENB-00-8	30+83.20	1,899,663.3270	1,171,566.1658
POT		45+35.14	1,901,114.5368	1,171,520.1970



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PLOT DATE = 5/2/2017	DATE - 5/4/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS	
SCALE: 1" = 100'	SHEET 5 OF 7 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	17
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

PROPOSED CURVE DATA

PROPOSED WB I-290

PROP. CURVE P-IKE-WB-1
 PI STA. = 5236+19.61
 $\Delta = 10^{\circ} 05' 11''$ (RT)
 D = 0° 55' 27"
 R = 6,200.00'
 T = 547.15'
 L = 1,091.46'
 E = 24.10'
 e = 2.00%
 T.R. = 96'
 S.E. RUN = 96'
 P.C. STA. = 5230+72.47
 P.T. STA. = 5241+63.93

PROP. CURVE P-IKE-WB-2
 PI STA. = 5248+45.20
 $\Delta = 9^{\circ} 30' 21''$ (LT)
 D = 3° 13' 08"
 R = 1,780.00'
 T = 148.00'
 L = 295.31'
 E = 6.14'
 e = 4.80%
 T.R. = 72'
 S.E. RUN = 232'
 P.C. STA. = 5246+97.21
 P.T. STA. = 5249+92.52

PROPOSED CONGRESS PARKWAY

PROP. CURVE P-CON-WB-1
 PI STA. = 5212+68.02
 $\Delta = 8^{\circ} 12' 18''$ (RT)
 D = 3° 30' 31"
 R = 1,633.00'
 T = 117.13'
 L = 233.85'
 E = 4.20'
 e = 4.40%
 T.R. = 67'
 S.E. RUN = 147'
 P.C. STA. = 5211+50.90
 P.T. STA. = 5213+84.75

PROP. CURVE P-CON-WB-2
 PI STA. = 5218+24.26
 $\Delta = 8^{\circ} 42' 22''$ (LT)
 D = 3° 29' 14"
 R = 1,643.00'
 T = 125.07'
 L = 249.65'
 E = 4.75'
 e = 4.40%
 T.R. = NA
 S.E. RUN = 97'
 P.C. STA. = 5216+99.19
 P.T. STA. = 5219+48.84

EXISTING CURVE DATA

EXISTING RAMP NW

EX CURVE P-CIR-NW028-1
 PI STA. = 1795+76.56
 $\Delta = 4^{\circ} 00' 00.04''$ (RT)
 D = 1° 05' 00"
 R = 5,288.86'
 T = 184.69'
 L = 369.23'
 E = 3.22'
 e = N/A
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 1793+91.87
 P.T. STA. = 1797+61.11

EX CURVE P-CIR-NW028-2
 PI STA. = 1800+89.63
 $\Delta = 8^{\circ} 27' 33.80''$ (LT)
 D = 3° 00' 00"
 R = 1,909.87'
 T = 141.25'
 L = 281.98'
 E = 5.22'
 e = N/A
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 1799+48.38
 P.T. STA. = 1802+30.36

EX CURVE P-CIR-NW028-3
 PI STA. = 1804+71.10
 $\Delta = 2^{\circ} 17' 49.28''$ (RT)
 D = 0° 59' 09"
 R = 5,812.00'
 T = 116.52'
 L = 233.01'
 E = 1.17'
 e = RC = 2.00%
 T.R. ATTAINMENT = 42'
 S.E. RUN ATTAINMENT = 48'
 S.E. RUN REMOVAL = N/A
 P.C. STA. = 1803+54.58
 P.T. STA. = 1805+87.59

EX CURVE P-CIR-NW-2
 PI STA = 1808+18.54
 $\Delta = 3^{\circ} 29' 20.98''$ (RT)
 D = 1° 13' 27"
 R = 4,680.00'
 T = 142.54'
 L = 285.00'
 E = 2.17'
 e = 2.40%
 T.R. = N/A
 S.E. RUN ATTAINMENT = 13.00'
 S.E. RUN REMOVAL = 79.00'
 P.C. STA = 1806+76.00
 P.T. STA = 1809+61.00

EX CURVE P-CIR-NW-3
 PI STA = 1812+20.52
 $\Delta = 2^{\circ} 11' 00.97''$ (LT)
 D = 1° 13' 27"
 R = 4,680.00'
 T = 89.19'
 L = 178.36'
 E = 0.85'
 e = N.C.
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA = 1811+31.33
 P.T. STA = 1813+09.69

EX CURVE P-CIR-NW-4
 PI STA = 1817+80.05
 $\Delta = 2^{\circ} 30' 39.23''$ (RT)
 D = 1° 23' 51"
 R = 4,100.00'
 T = 89.85'
 L = 179.68'
 E = 0.98'
 e = N.C.
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA = 1816+90.20
 P.T. STA = 1818+69.87

EX CURVE P-CIR-NW-5
 PI STA = 1821+03.43
 $\Delta = 4^{\circ} 50' 25.64''$ (LT)
 D = 1° 56' 32"
 R = 2,950.00'
 T = 124.68'
 L = 249.22'
 E = 2.63'
 e = N.C.
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA = 1819+78.75
 P.T. STA = 1822+27.97

EX CURVE P-CIR-NW-6
 PI STA = 1831+44.22
 $\Delta = 88^{\circ} 30' 25.10''$ (LT)
 D = 10° 36' 37"
 R = 540.00'
 T = 526.11'
 L = 834.16'
 E = 213.92'
 e = 5.40%
 T.R. ATTAINMENT = N/A
 S.E. RUN ATTAINMENT = 66'
 P.C. STA = 1826+18.11
 P.T. STA = 1834+52.27

EXISTING RAMP NW (CONTINUED)

EX CURVE P-CIR-NW-7
 PI STA = 1845+33.13
 $\Delta = 0^{\circ} 57' 54.93''$ (RT)
 D = 0° 55' 39"
 R = 6,177.00'
 T = 52.03'
 L = 104.06'
 E = 0.22'
 e = N.C.
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA = 1844+81.10
 P.T. STA = 1845+85.16

EX CURVE P-CIR-NW-8
 PI STA. = 1847+42.80
 $\Delta = 2^{\circ} 55' 25.71''$ (RT)
 D = 0° 55' 39"
 R = 6,177.00'
 T = 157.64'
 L = 315.21'
 E = 2.01'
 e = N.C.
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA = 1845+85.16
 P.T. STA = 1849+00.38

EX CURVE P-CIR-NW-9
 PI STA. = 1849+83.23
 $\Delta = 1^{\circ} 32' 12.95''$ (RT)
 D = 0° 55' 39"
 R = 6,177.00'
 T = 82.85'
 L = 165.69'
 E = 0.56'
 e = N.C.
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA = 1849+00.38
 P.T. STA = 1850+66.07

EX CURVE P-CIR-NW-10
 PI STA. = 1853+17.18
 $\Delta = 4^{\circ} 39' 23.66''$ (RT)
 D = 0° 55' 39"
 R = 6,176.00'
 T = 251.11'
 L = 501.94'
 E = 5.10'
 e = N.C.
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA = 1850+66.07
 P.T. STA = 1855+68.01

PROP. CURVE P-CIR-NW-11
 PI STA. = 1862+51.28
 $\Delta = 9^{\circ} 30' 21''$ (LT)
 D = 3° 10' 34"
 R = 1,804.00'
 T = 149.99'
 L = 299.30'
 E = 6.22'
 e = SEE WB I-290
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA = 1861+01.28
 P.T. STA = 1864+00.58

EXISTING NB I-90/4

EX CURVE KDR-ENB-00-1
 PI STA. = 117+55.38
 $\Delta = 48^{\circ} 27' 45''$ (RT)
 D = 4° 29' 25"
 R = 1,276.00'
 T = 574.29'
 L = 1,079.28'
 E = 123.28'
 P.C. STA. = 111+81.09
 P.T. STA. = 122+60.37

EX CURVE KDR-ENB-00-2
 PI STA. = 134+42.28
 $\Delta = 36^{\circ} 04' 00''$ (RT)
 D = 2° 57' 34"
 R = 1,936.00'
 T = 630.29'
 L = 1,218.67'
 E = 100.02'
 P.C. STA. = 128+11.99
 P.T. STA. = 140+30.67

EX CURVE KDR-ENB-00-3
 PI STA. = 151+93.71
 $\Delta = 13^{\circ} 40' 27''$ (LT)
 D = 2° 54' 09"
 R = 1,974.00'
 T = 236.68'
 L = 471.12'
 E = 14.14'
 P.C. STA. = 149+57.03
 P.T. STA. = 154+28.14

EX CURVE KDR-ENB-00-4
 PI STA. = 192+81.92
 $\Delta = 3^{\circ} 17' 58''$ (LT)
 D = 0° 48' 25"
 R = 7,100.63'
 T = 204.51'
 L = 408.90'
 E = 2.94'
 P.C. STA. = 190+77.41
 P.T. STA. = 194+86.31

EX CURVE KDR-ENB-00-5
 PI STA. = 199+68.51
 $\Delta = 3^{\circ} 11' 12''$ (RT)
 D = 0° 30' 00"
 R = 11,460.32'
 T = 318.77'
 L = 637.38'
 E = 4.43'
 P.C. STA. = 196+49.74
 P.T. STA. = 202+87.12

EX CURVE KDR-ENB-00-6
 PI STA. = 7+04.34
 $\Delta = 7^{\circ} 10' 07''$ (LT)
 D = 2° 00' 00"
 R = 2,864.80'
 T = 179.45'
 L = 358.43'
 E = 5.61'
 P.C. STA. = 5+24.89
 P.T. STA. = 8+83.32

EX CURVE KDR-ENB-00-7
 PI STA. = 20+43.63
 $\Delta = 11^{\circ} 24' 28''$ (RT)
 D = 1° 30' 00"
 R = 3,819.89'
 T = 381.54'
 L = 760.55'
 E = 19.01'
 P.C. STA. = 16+62.09
 P.T. STA. = 24+22.65

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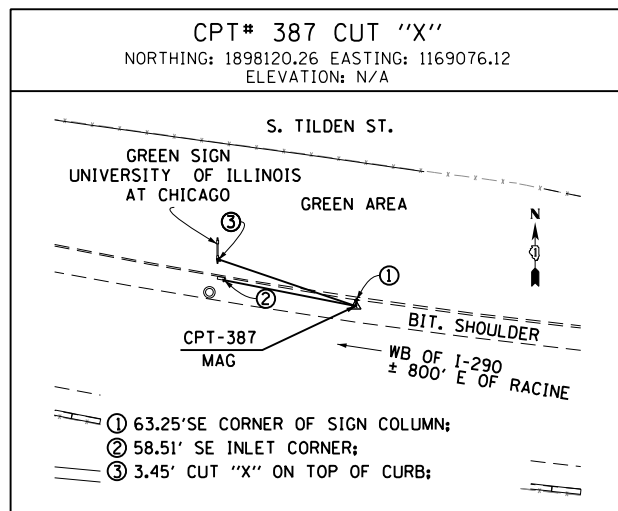
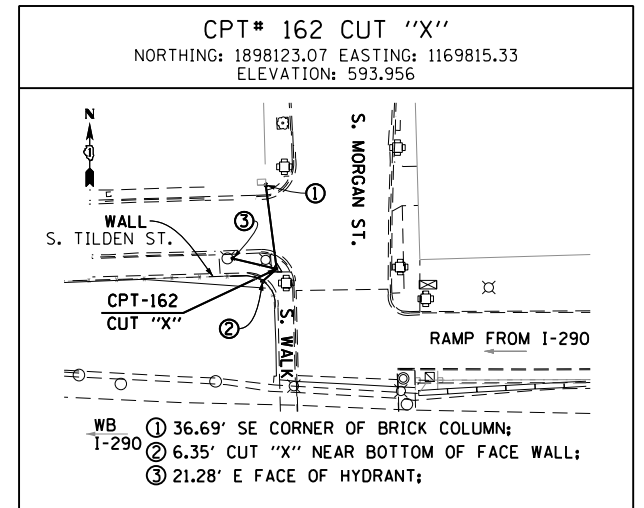
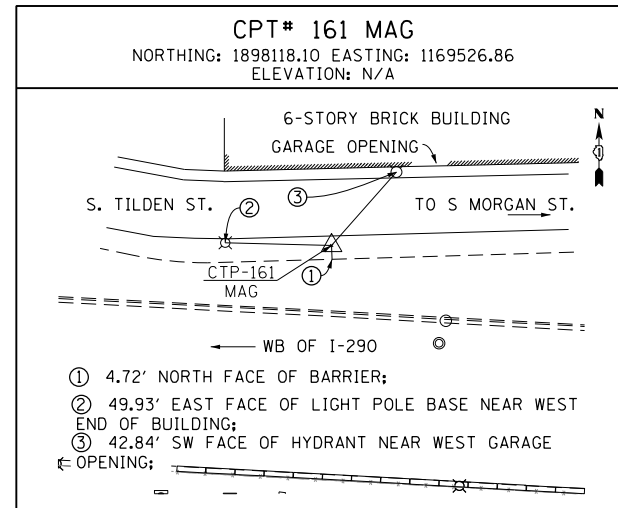
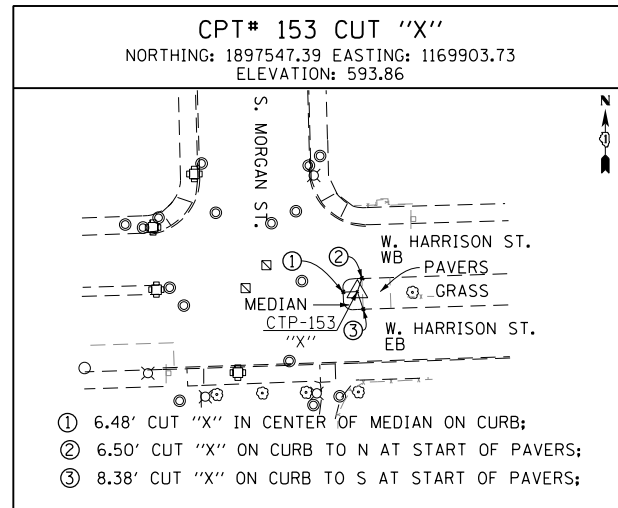
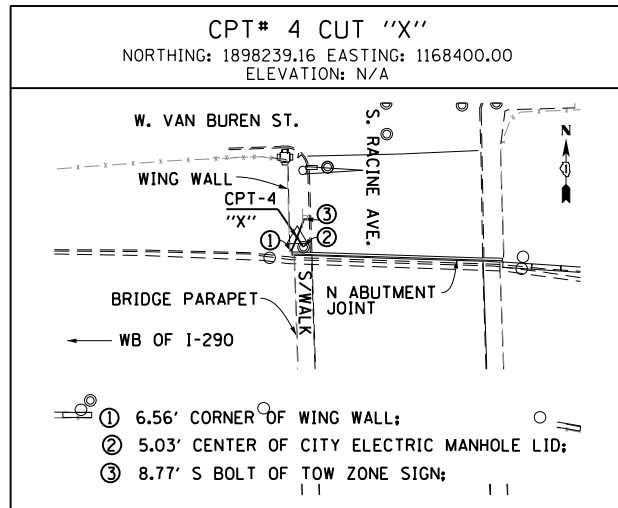
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STATE OF ILLINOIS
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ALIGNMENT, TIES AND BENCHMARKS

SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	18
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				



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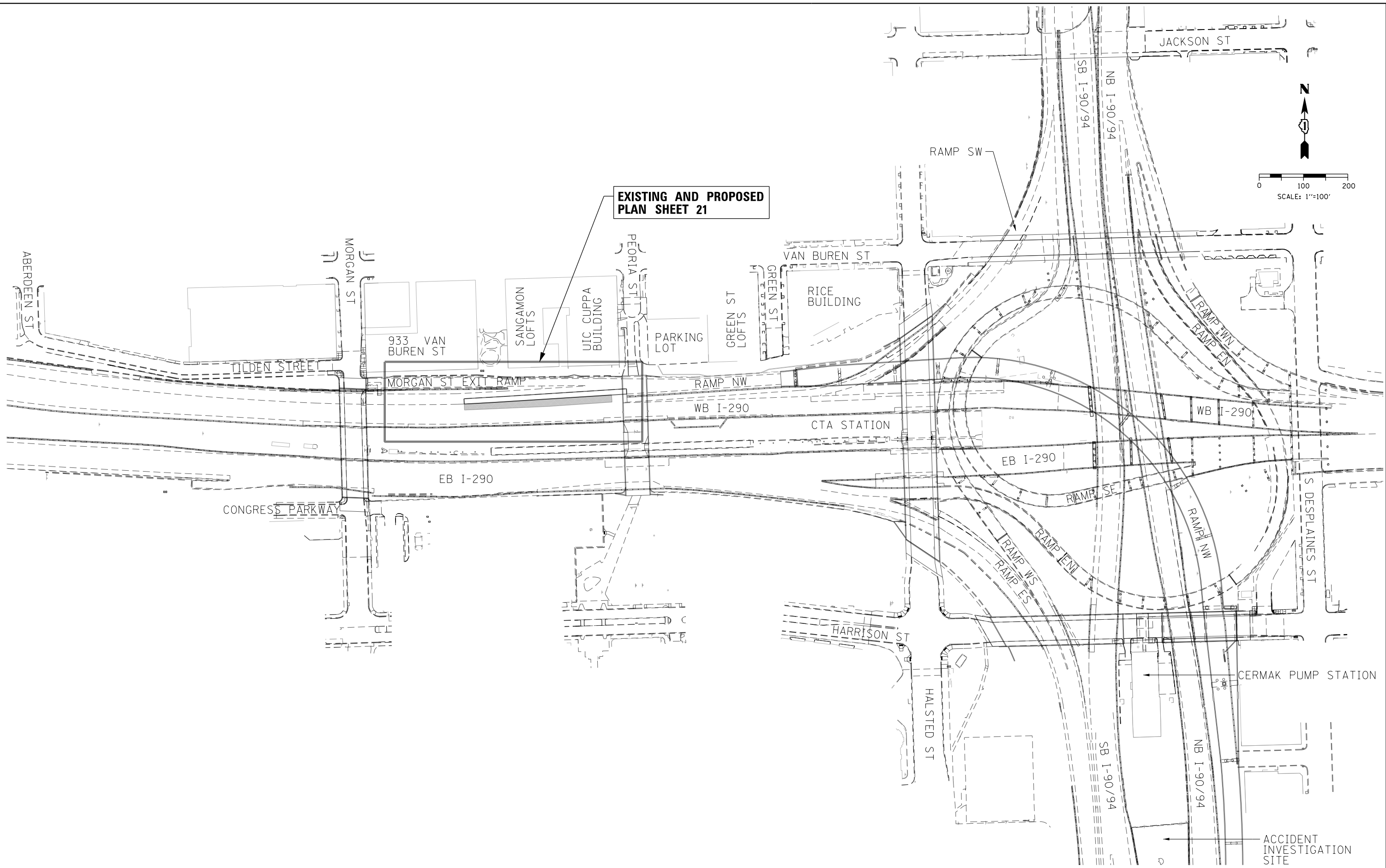
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 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

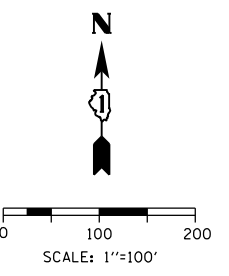
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90/94/290	2016-066T	COOK	83	19
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

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**EXISTING AND PROPOSED
PLAN SHEET 21**



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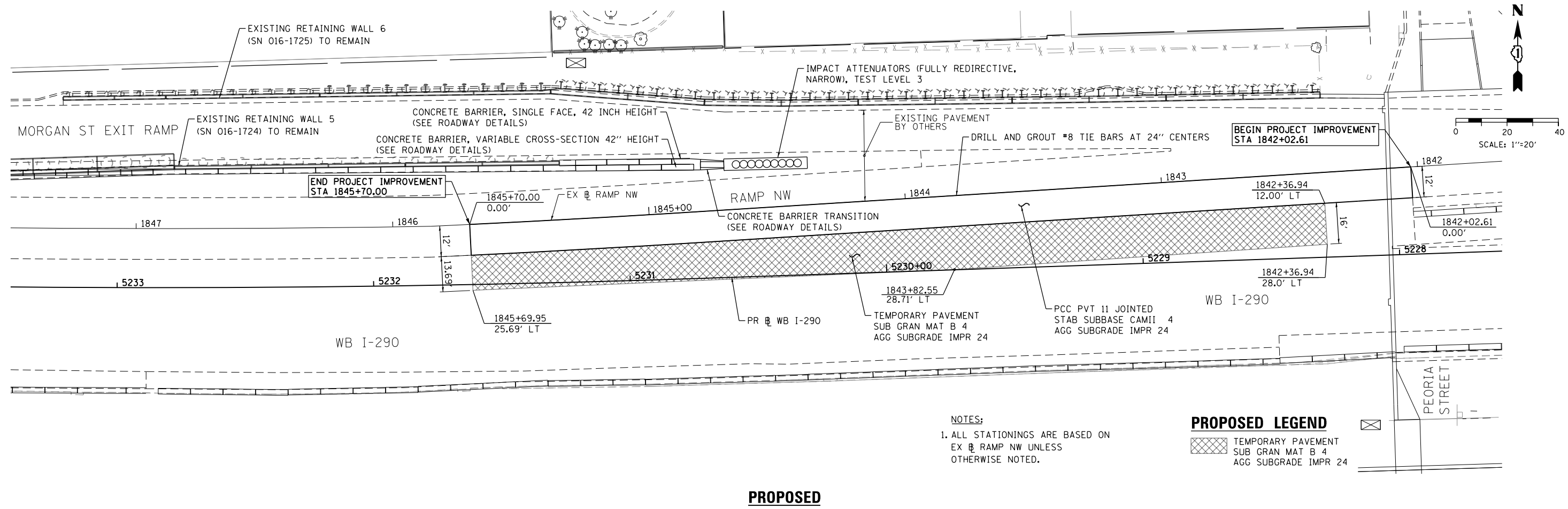
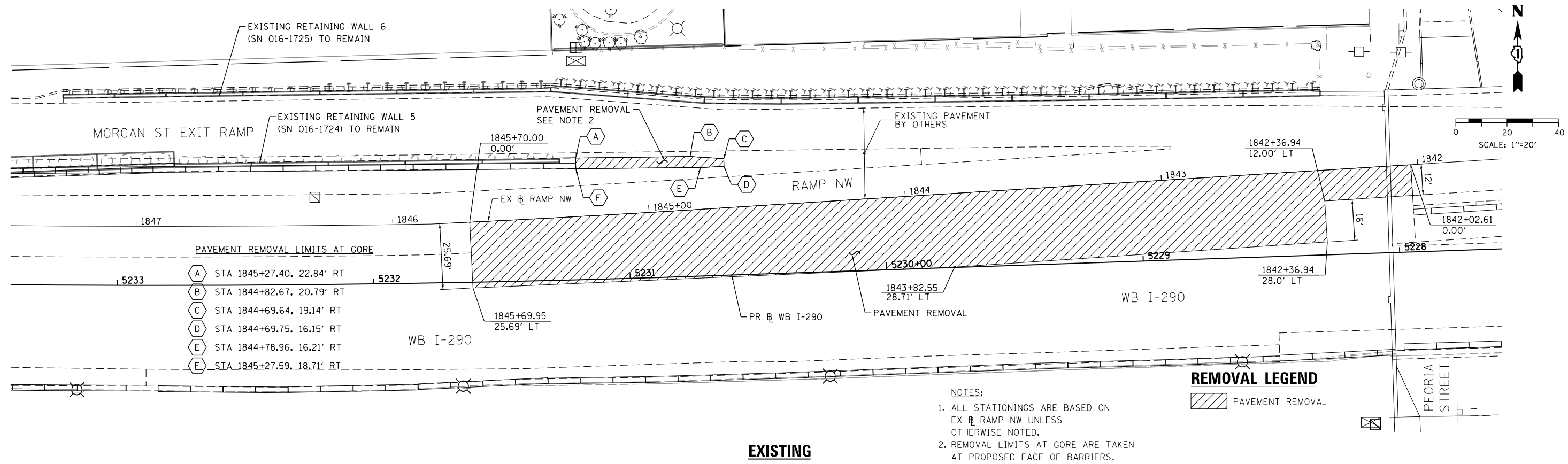
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY KEY PLAN

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	20
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				



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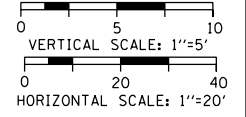
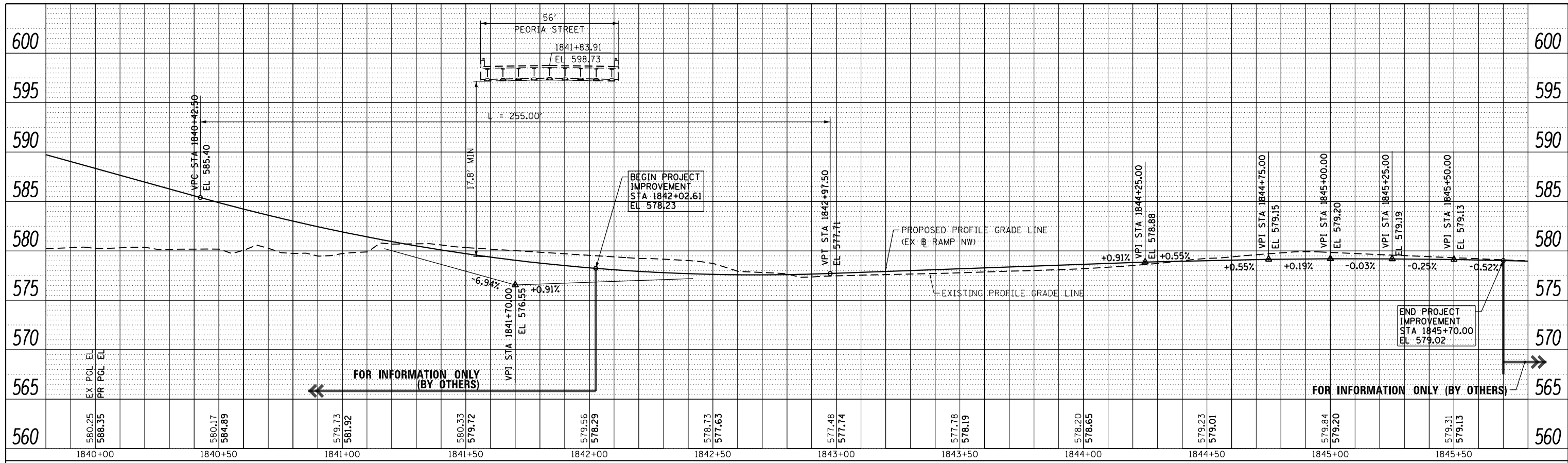
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DATE -	7/21/2017	REVISED -	

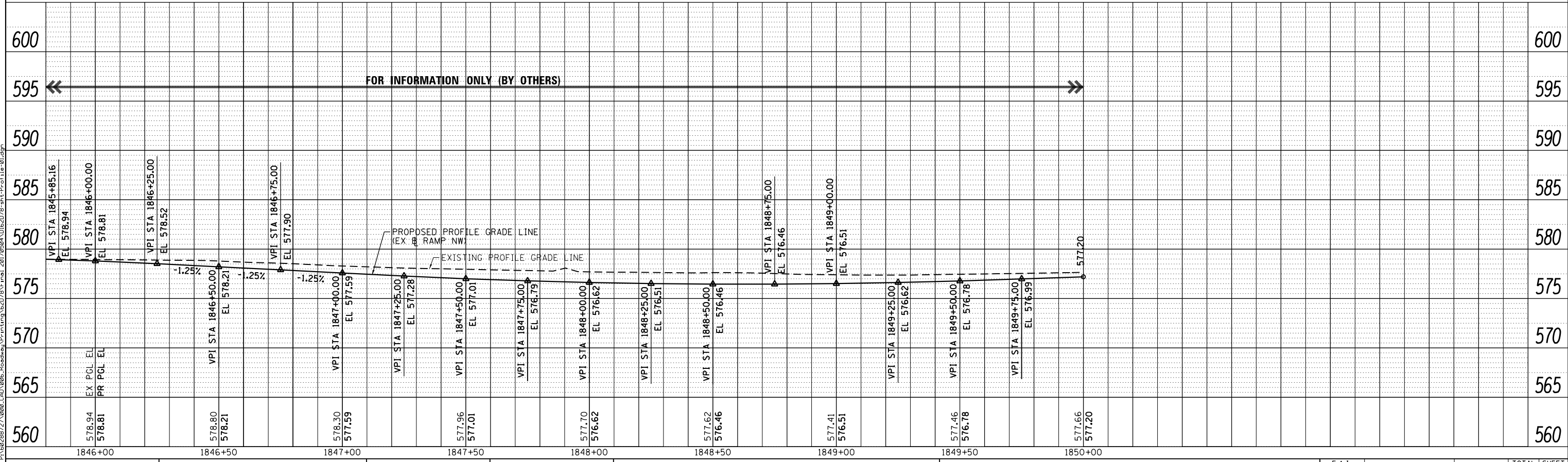
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED PLAN
 RAMP NW
 SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 1842+02.61 TO STA. 1845+70.00

F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 21
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				



RAMP NW
(EX BL RAMP NW)



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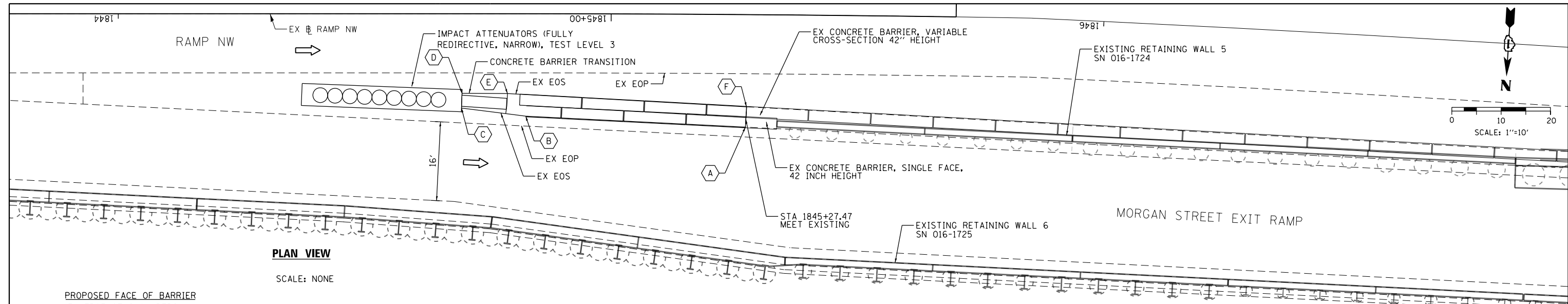
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DATE - 5/4/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE - RAMP NW
 SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 22
CONTRACT NO. 62078				ILLINOIS FED. AID PROJECT

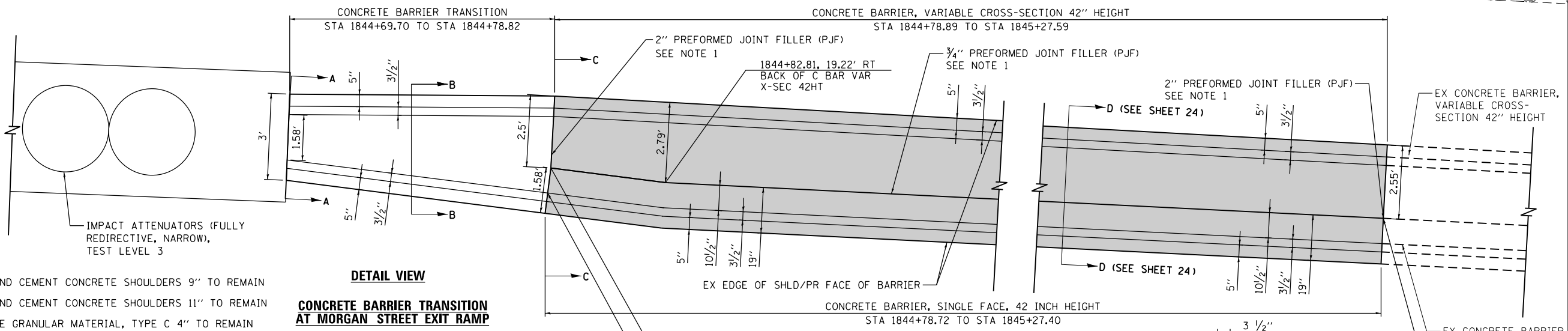


PLAN VIEW

SCALE: NONE

PROPOSED FACE OF BARRIER
(EX EDGE OF SHOULDERS)

- (A) STA 1845+27.40, 22.84' RT
- (B) STA 1844+82.67, 20.79' RT
- (C) STA 1844+69.64, 19.14' RT
- (D) STA 1844+69.75, 16.15' RT
- (E) STA 1844+78.96, 16.21' RT
- (F) STA 1845+27.59, 18.71' RT

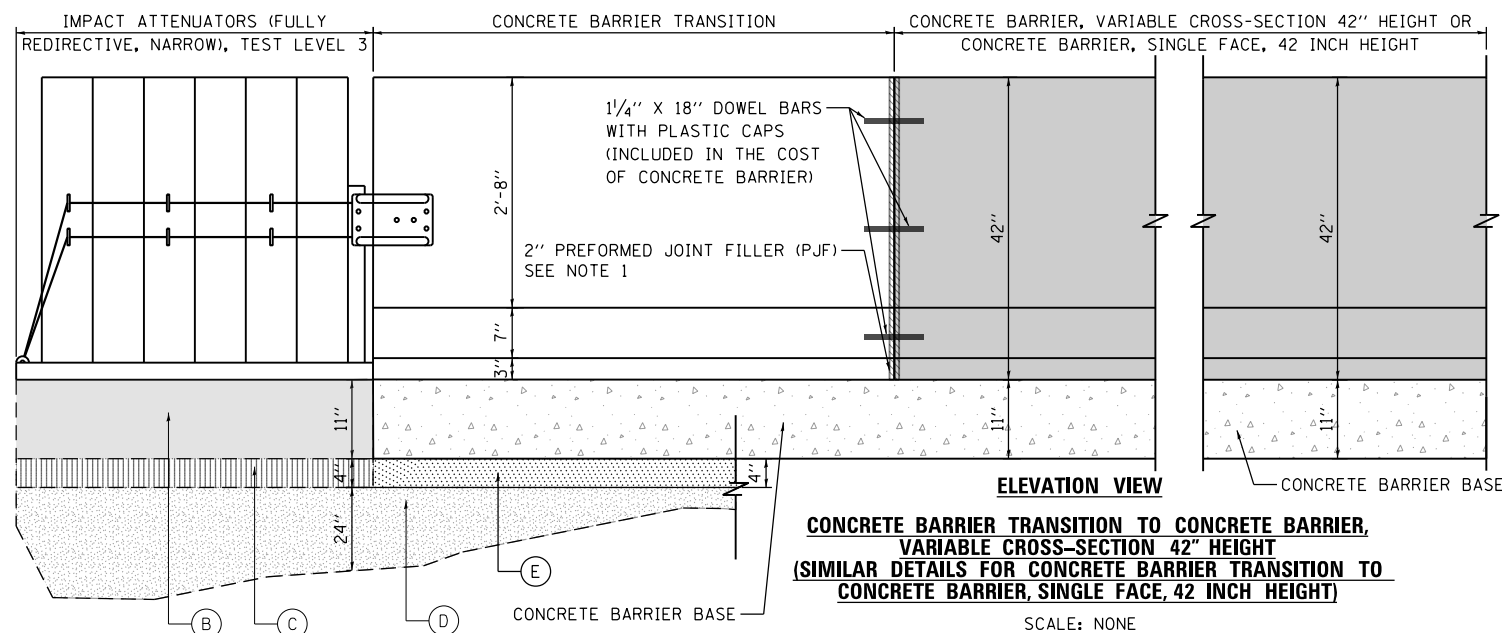


DETAIL VIEW

SCALE: NONE

LEGEND:

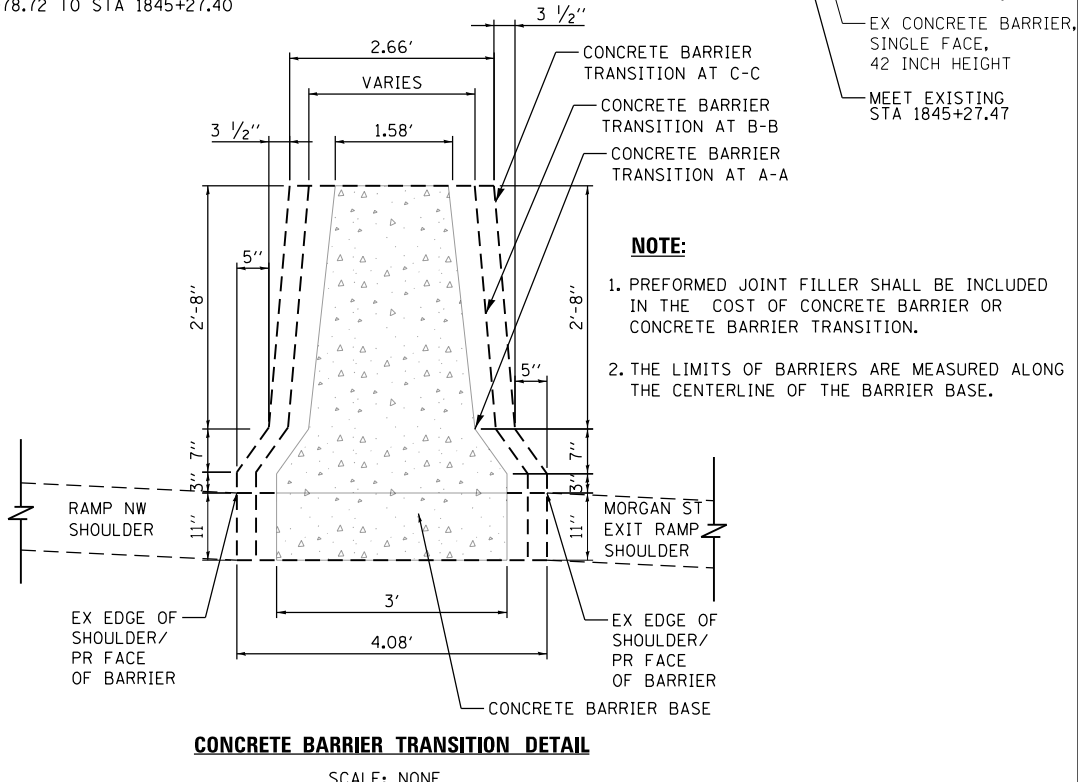
- (A) EX PORTLAND CEMENT CONCRETE SHOULDERS 9" TO REMAIN
- (B) EX PORTLAND CEMENT CONCRETE SHOULDERS 11" TO REMAIN
- (C) EX SUBBASE GRANULAR MATERIAL, TYPE C 4" TO REMAIN
- (D) EX AGGREGATE SUBGRADE IMPROVEMENT 24" TO REMAIN
- (E) PR SUBBASE GRANULAR MATERIAL, TYPE C 4"



ELEVATION VIEW

CONCRETE BARRIER TRANSITION TO CONCRETE BARRIER, VARIABLE CROSS-SECTION 42" HEIGHT (SIMILAR DETAILS FOR CONCRETE BARRIER TRANSITION TO CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT)

SCALE: NONE



CONCRETE BARRIER TRANSITION DETAIL

SCALE: NONE

NOTE:

1. PREFORMED JOINT FILLER SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER OR CONCRETE BARRIER TRANSITION.
2. THE LIMITS OF BARRIERS ARE MEASURED ALONG THE CENTERLINE OF THE BARRIER BASE.

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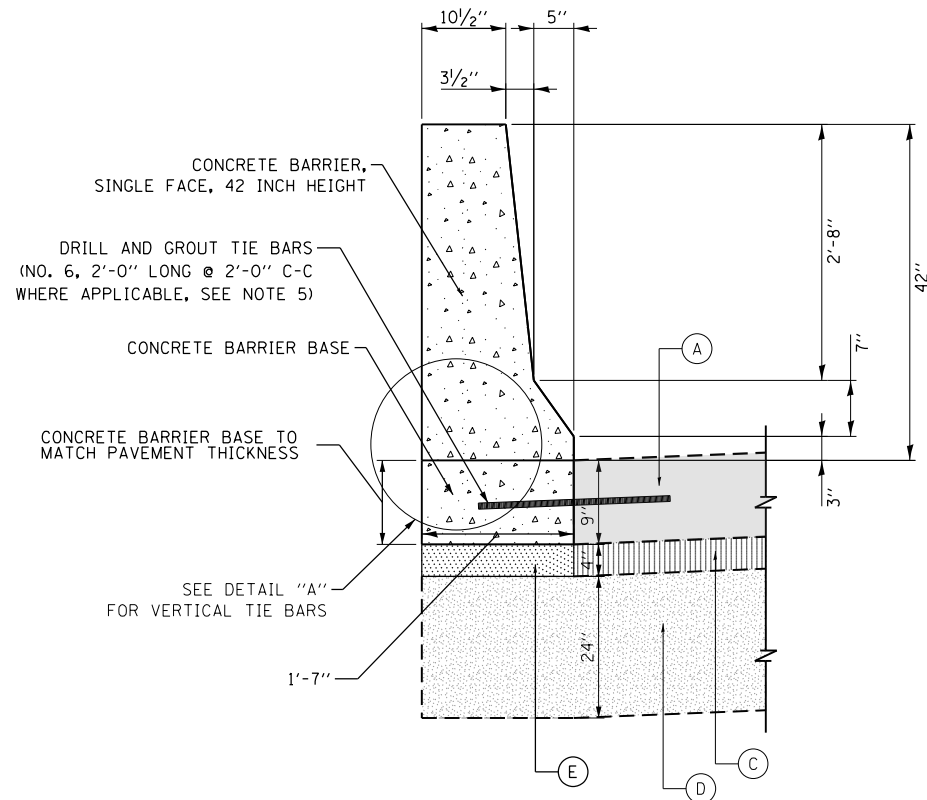
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY DETAILS - CONCRETE BARRIER LAYOUT
AT MORGAN ST EXIT RAMP**

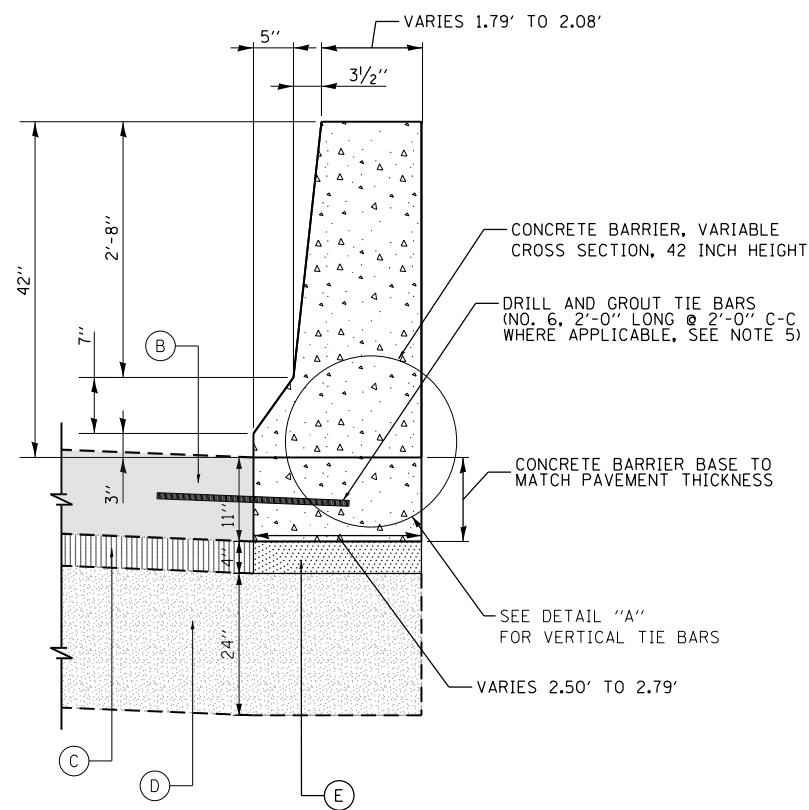
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F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 23
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				



**DETAILS OF CONCRETE BARRIER,
SINGLE FACE, 42 INCH HEIGHT**

SCALE: NONE

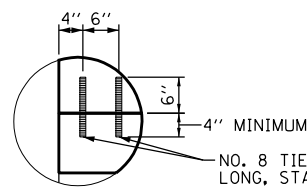


**DETAILS OF CONCRETE BARRIER, VARIABLE CROSS SECTION,
42 INCH HEIGHT AT MORGAN ST EXIT RAMP**

SCALE: NONE

NOTES:

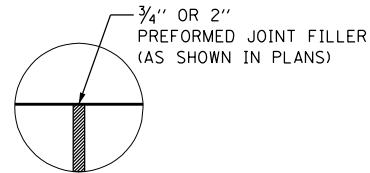
1. EXPANSION JOINTS SHOWN ON THIS DRAWING SHALL BE PREFORMED JOINT MATERIAL (BITUMINOUS TYPE) FILLER AND SHALL MEET AASHTO DESIGNATION M-33.
2. ALL WORK AND MATERIALS DETAILED HEREIN SHALL BE INCLUDED IN THE COST OF THE VARIOUS CONCRETE BARRIER PAY ITEMS UNLESS OTHERWISE NOTED. PREFORMED JOINT FILLER SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER OR CONCRETE BARRIER TRANSITION.
3. JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ARTICLE 637.08 OF THE STANDARD SPECIFICATIONS
4. TWO VERTICAL EPOXY COATED, NO. 8 TIE BARS, 10" LONG, SHALL BE PLACED STAGGERED FRONT TO BACK OF THE BARRIER WALL AT 48" CENTERS ALONG THE CONCRETE BARRIER TRANSITION. TIE BARS SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIER OR CONCRETE BARRIER TRANSITION.
5. HORIZONTAL TIE BARS SHALL BE NO. 6 EPOXY COATED, 24" LONG, 24" C-C AND SHALL BE INCLUDED IN THE COST OF THE BARRIER BASE. HORIZONTAL TIE BARS ARE REQUIRED WHEN PAVEMENT IS PCC.
6. EXPANSION JOINTS SHALL BE CONSTRUCTED IN BARRIER WALL AT MAXIMUM JOINT SPACING OF 90 FEET.
7. VERTICAL TIE BARS ARE REQUIRED WHEN CONCRETE BARRIER AND CONCRETE BARRIER BASE ARE NOT POURED MONOLITHICALLY.



DETAIL "A"

SCALE: NONE

NO. 8 TIE BARS, 10" LONG, STAGGERED FRONT TO BACK OF THE BARRIER WALL AT 48" CENTER WHERE APPLICABLE (SEE NOTE 4 AND 7)

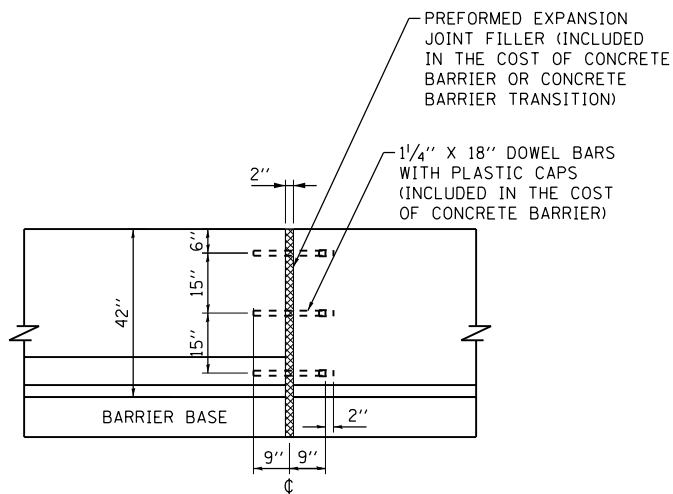


DETAIL "B"

SCALE: NONE

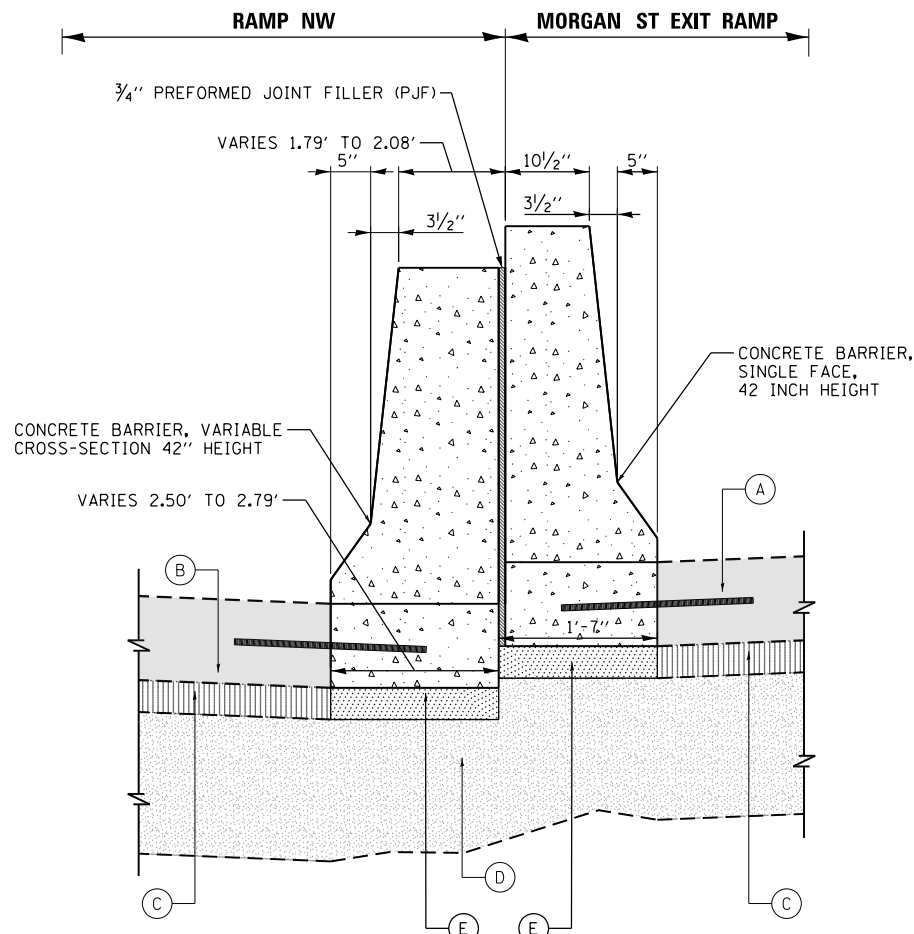
LEGEND:

- (A) EX PORTLAND CEMENT CONCRETE SHOULDERS 9" TO REMAIN
- (B) EX PORTLAND CEMENT CONCRETE SHOULDERS 11" TO REMAIN
- (C) EX SUBBASE GRANULAR MATERIAL, TYPE C 4" TO REMAIN
- (D) EX AGGREGATE SUBGRADE IMPROVEMENT 24" TO REMAIN
- (E) PR SUBBASE GRANULAR MATERIAL, TYPE C 4"



EXPANSION JOINT - 42" BARRIER

SCALE: NONE



SECTION "D-D"

SCALE: NONE

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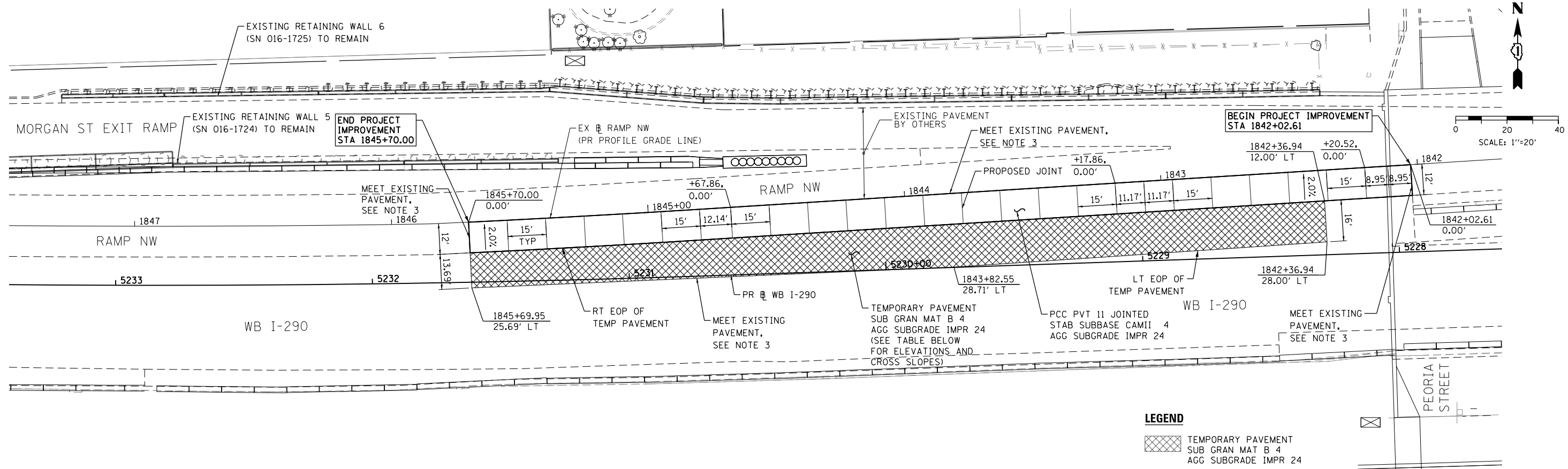
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS - CONCRETE BARRIER LAYOUT
AT MORGAN ST EXIT RAMP

SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	24
CONTRACT NO. 62078				

ILLINOIS FED. AID PROJECT



LEGEND

TEMPORARY PAVEMENT
SUB GRAN MAT B 4
AGG SUBGRADE IMPR 24

PAVEMENT CROSS SLOPE AND ELEVATION - TEMPORARY PAVEMENT									
STATION (EX BL RAMP NW)	PGL			RT EOP TEMP PAVEMENT			LT EOP TEMP PAVEMENT		
	O/S	%	ELEV.	O/S (LT)	%	ELEV.	O/S (LT)	%	ELEV. (EX EL)
1842+36.94	0.00	N/A	577.73	12.00	2.00%	577.97	28.00	-2.69%	577.54
1842+40.00	0.00	N/A	577.70	12.00	2.00%	577.94	28.05	-2.43%	577.55
1842+60.00	0.00	N/A	577.59	12.00	2.00%	577.83	28.14	-1.12%	577.65
1842+80.00	0.00	N/A	577.60	12.00	2.00%	577.84	28.23	-0.43%	577.77
1843+00.00	0.00	N/A	577.74	12.00	2.00%	577.98	28.33	-0.61%	577.88
1843+20.00	0.00	N/A	577.92	12.00	2.00%	578.16	28.42	-0.97%	578.00
1843+40.00	0.00	N/A	578.10	12.00	2.00%	578.34	28.51	-1.33%	578.12
1843+60.00	0.00	N/A	578.28	12.00	2.00%	578.52	28.61	-1.51%	578.27
1843+80.00	0.00	N/A	578.47	12.00	2.00%	578.71	28.70	-1.68%	578.43
1843+82.55	0.00	N/A	578.49	12.00	2.00%	578.73	28.71	-1.68%	578.45
1844+00.00	0.00	N/A	578.65	12.00	2.00%	578.89	28.37	-1.83%	578.59
1844+20.00	0.00	N/A	578.83	12.00	2.00%	579.07	27.97	-2.13%	578.73
1844+40.00	0.00	N/A	578.96	12.00	2.00%	579.20	27.58	-2.05%	578.88
1844+60.00	0.00	N/A	579.07	12.00	2.00%	579.31	27.19	-2.04%	579.00
1844+80.00	0.00	N/A	579.16	12.00	2.00%	579.40	26.79	-2.30%	579.06
1845+00.00	0.00	N/A	579.20	12.00	2.00%	579.44	26.42	-2.29%	579.11
1845+20.00	0.00	N/A	579.19	12.00	2.00%	579.43	26.12	-1.84%	579.17
1845+40.00	0.00	N/A	579.15	12.00	2.00%	579.39	25.89	-1.58%	579.17
1845+60.00	0.00	N/A	579.08	12.00	2.00%	579.32	25.71	-0.95%	579.19
1845+70.00	0.00	N/A	579.02	12.00	2.00%	579.26	25.69	-0.44%	579.20

- NOTES:**
- ALL STATIONINGS ARE BASED ON EX BL RAMP NW UNLESS OTHERWISE NOTED.
 - UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE.
 - MEET EXISTING CROSS SLOPES AND ELEVATIONS. FIELD VERIFY AND ADJUST AS NECESSARY.
 - PROPOSED IMPROVEMENTS UNDER CONTRACT 60X77 (BY OTHERS) ARE NOT SHOWN FOR CLARITY.
 - PROPOSED JOINT SPACING MATCHES THE PROPOSED JOINT SPACING ON ADJACENT PAVEMENT BUILT PREVIOUSLY BY OTHERS. IF ANY DISCREPANCIES EXIST, THE PROPOSED JOINTS SHALL MATCH THE EXISTING JOINT LOCATIONS AS APPROVED BY THE ENGINEER.

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 PLOT DATE = 7/19/2017

DESIGNED - OPS
 DRAWN - OPS
 CHECKED - MJE
 DATE - 7/21/2017

REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT JOINTING AND ELEVATIONS PLAN

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 1842+02.61 TO STA. 1845+70.00

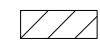


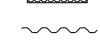
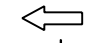
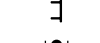

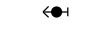


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	25
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL GENERAL NOTES

1. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND SECTION 701 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN, ACCORDING TO HIGHWAY STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.
3. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
4. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
5. ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE TWO LOW INTENSITY FLASHING LIGHTS MOUNTED ON TOP OF EACH BARRICADE.
6. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR II BARRICADE USED.
7. WHERE ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
8. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
9. PRIOR TO START OF CONSTRUCTION, ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
10. THE CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL WITH OTHER ADJACENT CONTRACTS, INCLUDING BUT NOT LIMITED TO CONTRACT 60X61 - WB I-290 AUXILIARY LANES AND 60X77 - I-290 MAINLINE (WB) (I-90/94 TO RACINE AVE). COOPERATION BETWEEN CONTRACTORS SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
11. UNLESS OTHERWISE NOTED IN THE SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER 28 DAYS PRIOR TO ANY ANTICIPATED CLOSURES.
12. A MINIMUM 11' LANE WIDTH SHALL BE MAINTAINED ON ALL INTERSTATE LANES OPEN TO TRAFFIC DURING CONSTRUCTION UNLESS OTHERWISE NOTED.
13. OFFSETS BETWEEN THE EDGE OF TRAVEL LANE AND THE FACE OF TEMPORARY CONCRETE BARRIER ARE ASSUMED TO BE 1 FT UNLESS DESIGNATED OTHERWISE.
14. THE CONTRACTOR SHALL COORDINATE WORK WITH PRIVATE UTILITY COMPANIES AND THEIR CONTRACTORS FOR ADJUSTMENTS, SUPPORTS, AND RELOCATION. UTILITY WORK WILL GENERALLY BE CONDUCTED PRIOR TO ROADWAY WORK, BUT CERTAIN ITEMS MAY NEED TO PROCEED IN CONCERT WITH CONSTRUCTION OPERATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT AFFECTED UTILITIES AND COORDINATE WORK WITHIN THE CONSTRUCTION SCHEDULE. THE EFFORT OF WHICH WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT. A LIST OF UTILITY CONTACTS IS LOCATED WITHIN THE SPECIFICATIONS. SEE STATUS OF UTILITIES TO BE ADJUSTED SPECIAL PROVISIONS.
15. THE CONTRACTOR SHALL CONTACT THE IDOT DISTRICT 1 ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AND THE EXPRESSWAYS TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK. CONTRACTOR SHALL REGISTER AN ACCOUNT AT WWW.IDOTILCS.COM AND USE WEBSITE TO REQUEST LANE CLOSURES AND COORDINATE AND STAGE CHANGES AND LANE CLOSURES.
16. SIGN W21-1a SHALL BE TAKEN DOWN WHEN THE WORKERS ARE NOT PRESENT.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS RESTRICTIONS TO THE SITE AS MAY BE REQUIRED BY THE ENGINEER. IN AREAS WHERE SILT FENCE IS NOT INSTALLED, ORANGE CONSTRUCTION FENCING MAY BE REQUIRED TO RESTRICT ACCESS TO WORK ZONES. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE NEED FOR ACCESS RESTRICTIONS AND THEIR CONFIGURATION. ORANGE CONSTRUCTION FENCING (IF NECESSARY) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT. BUT SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).
18. A 37" DEFLECTION AREA IS REQUIRED FROM THE BACK SIDE OF THE TEMPORARY BARRIER WALL TO ANY OBSTRUCTION OR DROP OFF IN THE WORK ZONE. IF THIS 37" DEFLECTION AREA CANNOT BE MAINTAINED, THE TEMPORARY CONCRETE BARRIER WALL SHALL BE ANCHORED TO THE PAVEMENT (EXCLUDING NEW BRIDGE DECKS) IN ACCORDANCE WITH THE IDOT SAFETY ENGINEERING POLICY MEMORANDUM 4-15. THIS WORK SHALL BE PAID FOR AS PINNING TEMPORARY CONCRETE BARRIER. THE COST OF ANCHORING TO EXISTING AND PROPOSED BRIDGE DECKS (WHEN REQUIRED) ARE INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER. SEE STRUCTURAL PLANS FOR DETAILS OF TEMPORARY CONCRETE BARRIER.

19. PER IDOT SAFETY ENGINEERING POLICY MEMORANDUM 4-15, DROP-OFF DEPTH > 4 IN AND < 12 IN IS PERMITTED FOR LESS THAN 0.5 MILE LENGTH OF DROP OFF EXPOSURE IN WORK ZONE OF LESS THAN 48 HOUR CLOSURE TIME. LENGTH AND DURATION OF DROP-OFF IN EXCESS OF THESE LIMITS SHALL REQUIRE TEMPORARY LONGITUDINAL CONCRETE BARRIER. ADJACENT WORK SPACES THAT ARE ESSENTIALLY CONTINUOUS IN DROP-OFF EXPOSURE SHOULD BE CONSIDERED AS ONE WORK ZONE.
20. ALL UPSTREAM LEADING ENDS OF TEMPORARY CONCRETE BARRIER WALL SHALL BE FLARED AT A 12:1 TAPER RATE UNLESS OTHER NOTED.
21. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. SUFFICIENT QUANTITIES FOR ONE PLACEMENT AND ONE REPLACEMENT HAVE BEEN PROVIDED FOR EACH STAGE. ALL MARKINGS THAT REQUIRE REPLACEMENT AFTER THE SECOND PLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
22. ADDITIONAL ESTIMATED QUANTITIES FOR VARIOUS MAINTENANCE OF TRAFFIC ITEMS HAVE BEEN INCLUDED IN THE CONTRACT FOR THE PURPOSE OF SUPPLEMENTING MAINTENANCE OF TRAFFIC OPERATIONS. THESE QUANTITIES ARE NOTED AS ALLOWANCES IN THE SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN - SCHEDULE. USE OF THESE ADDITIONAL QUANTITIES IS AT THE DISCRETION OF THE ENGINEER.
23. THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION, (EXPRESSWAYS). ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THE SIGNS SHALL BE RESTORED AT THE END OF CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION, (EXPRESSWAYS).
24. THE CONTRACTOR SHALL ONLY SET UP AND STORE EQUIPMENT DURING CONSTRUCTION AT THE SUGGESTED STAGING AREAS AS SHOWN IN THE PLANS OR AS APPROVED BY THE ENGINEER. THE SUGGESTED STAGING AREAS SHOWN IN THE PLANS ARE SUBJECT TO FIELD MODIFICATION AS DETERMINED BY THE ENGINEER. THE SUGGESTED STAGING AREAS MAY BE SHARED WITH OTHER ADJACENT CONTRACTS WHICH MAY BE UNDER CONSTRUCTION DURING THE DURATION OF THIS PROJECT. CONTRACTOR COOPERATION IS REQUIRED.
25. ALL TEMPORARY INFORMATION SIGNS SHALL HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
26. THE PLACEMENT, RELOCATION AND REMOVAL OF TEMPORARY CONCRETE BARRIER WALL SHALL BE PERFORMED WITH MINIMAL DISRUPTION TO TRAFFIC WITHIN ALLOWABLE TIME PERIODS UNDER THE KEEPING THE EXPRESSWAYS OPEN TO TRAFFIC SPECIAL PROVISION.

LEGEND:

-  WORK ZONE
-  TEMPORARY CONCRETE BARRIER
-  TEMPORARY IMPACT ATTENUATOR
-  TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
-  DIRECTION OF TRAFFIC FLOW
-  TYPE III BARRICADE
-  TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
-  DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL
-  SIGN
-  ARROW BOARD

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND
TRAFFIC CONTROL - GENERAL NOTES AND LEGEND**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	26
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

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SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SCHEDULE

SHEET	ROADWAY/STATION	TEMPORARY EPOXY PAVEMENT MARKING - LINE 4"	TEMPORARY EPOXY PAVEMENT MARKING - LINE 8"	TEMPORARY PAVEMENT MARKING - LINE 6"	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	PAVEMENT MARKING REMOVAL - WATER BLASTING	PINNING TEMPORARY CONCRETE BARRIER	BARRIER WALL REFLECTORS, TYPE C	TEMPORARY INFORMATION STAGING
		FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	SO FT	EACH	EACH	SO FT
STAGE 1												
2	318+50 TO 5240+00	102	0	100.0	100.0	0.0	0	0	0	24	8	0
3	5255+00 TO 5240+00	2,992	0	1,375.0	1375.0	0.0	2	0	864	330	110	40
4	5240+00 TO 5210+00	1,146	546	0.0	0.0	0.0	0	0	687	0	0	0
9	203+00 TO 11+00	0	295	0.0	0.0	0.0	0	0	197	0	0	0
STAGE 1 SUBSTAGE												
3	5255+00 TO 5240+00	1,749	0	825.0	112.5	712.5	0	2	998	198	66	40
4	5240+00 TO 5210+00	888	0	0.0	0.0	0.0	0	0	300	0	0	0
9	203+00 TO 11+00	0	0	0.0	0.0	0.0	0	0	0	0	0	0
TOTALS		6,877	841	2,300.0	1587.5	712.5	2	2	3,046	552	184	80
ALLOWANCE (1)		6,877	841	350.0	237.5	112.5	1	1	457	84	28	12
TOTALS WITH ALLOWANCE		13,754	1,682	2,650.0	1,825.0	825.0	3	3	3,503	636	212	92
ROUNDED TOTALS		13,754	1,682	2,650.0	1,825.0	825.0	3	3	3,503	636	212	92

(1) FOR TEMPORARY EPOXY PAVEMENT MARKINGS, SEE NOTE 21 IN TRAFFIC CONTROL GENERAL NOTES.



D162078-sht-Staging-Schedule-01
 USER NAME = ChiuA
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 7/21/2017

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 DRAWN - PHP
 CHECKED - MJE
 DATE - 7/21/2017

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SCHEDULE

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	27
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

STAGING NARRATIVE

STAGE 1

MAINTENANCE OF TRAFFIC ALONG I-90/94 MAINLINE

- NB AND SB I-90/94
 - o MAINTAIN EXISTING LANE RESTRICTIONS PER CONTRACTS 60X78, 60X99 AND 60X75. COORDINATION WITH CONTRACTS 60X78, 60X99 AND 60X75 REQUIRED.
 - o MAINTAIN ADVANCE WARNING SIGNAGE ON NORTHBOUND APPROACH TO RAMP NW AS SHOWN ON STAGING PLANS.

MAINTENANCE OF TRAFFIC ALONG I-290 MAINLINE

- WB I-290
 - o MAINTAIN EXISTING LANE RESTRICTIONS PER CONTRACTS 60X77, 60X61 AND 60X99. COORDINATION WITH CONTRACTS 60X77, 60X61 AND 60X99 REQUIRED.

MAINTENANCE OF TRAFFIC ON MAINLINE RAMPS

- RAMP SW
 - o MAINTAIN ONE (1) 16' LANE CONFIGURATION ALONG EXISTING RAMP SW AS PER CONTRACTS 60X77 AND 60X99. COORDINATION WITH CONTRACTS 60X77 AND 60X99 REQUIRED.
- RAMP NW
 - o MAINTAIN EXISTING TWO (2) RAMP LANES FROM NB I-90/94 INSTALLED UNDER CONTRACT 60W28 AND PREVIOUSLY MAINTAINED BY CONTRACT 60X77. RECONFIGURE THE TAPER TO REDUCE TWO (2) 11' LANES TO ONE 11' LANE. RECONFIGURE THE 11' LANE AS SHOWN ON STAGING PLANS TO MEET CONTRACT 60X77 STAGING CONFIGURATION JUST EAST OF MORGAN ST.
 - o COORDINATION WITH CONTRACT 60X77 AND 60X61 REQUIRED
- MORGAN STREET EXIT RAMP
 - o MAINTAIN MORGAN STREET EXIT RAMP IN CLOSED CONFIGURATION.

CONSTRUCTION TO BE COMPLETED IN STAGE 1

- BEGIN AND COMPLETE ALL WORK ASSOCIATED WITH THE TEMPORARY SOIL RETENTION SYSTEM (SPECIAL) AND 78" STORM SEWER.
- CONSTRUCT RAMP NW PAVEMENT FROM STA 1842+02.61 TO 1845+70.00.
- INSTALL ITS IMPROVEMENTS AS SHOWN IN THE PLANS.
- AS SHOWN IN THE ROADWAY PLANS, CONSTRUCT TEMPORARY PAVEMENT ALONG WB MAINLINE WHERE EXISTING PAVEMENT WAS REMOVED FOR THE 78" STORM SEWER INSTALLATION.
- COORDINATE TEMPORARY PAVEMENT CONSTRUCTION WITH CONTRACT 60X77.

STAGE 1 - SUBSTAGE

MAINTENANCE OF TRAFFIC ALONG I-90/94 MAINLINE

- NB AND SB I-90/94
 - o MAINTAIN EXISTING LANE RESTRICTIONS PER CONTRACTS 60X78, 60X99 AND 60X75. COORDINATION WITH CONTRACTS 60X78, 60X99 AND 60X75 REQUIRED.
 - o MAINTAIN ADVANCE WARNING SIGNAGE ON NORTHBOUND APPROACH TO RAMP NW AS SHOWN ON STAGING PLANS.

MAINTENANCE OF TRAFFIC ALONG I-290 MAINLINE

- WB I-290
 - o MAINTAIN EXISTING LANE RESTRICTIONS PER CONTRACTS 60X77 AND 60X99. COORDINATION WITH CONTRACTS 60X77 AND 60X99 REQUIRED.

MAINTENANCE OF TRAFFIC ON MAINLINE RAMPS

- RAMP SW
 - o MAINTAIN ONE (1) 16' LANE CONFIGURATION ALONG EXISTING RAMP SW AS PER CONTRACTS 60X77 AND 60X99. COORDINATION WITH CONTRACTS 60X77 AND 60X99 REQUIRED.
- RAMP NW
 - o MAINTAIN EXISTING TWO (2) RAMP LANES FROM NB I-90/94. MAINTAIN THE LANE DROP WHERE RAMP NW IS OVER I-90/94. RECONFIGURE SINGLE LANE ON RAMP NW BETWEEN RAMP SW AND MORGAN STREET AS PER STAGING PLANS.
 - o COORDINATION WITH CONTRACTS 60X77 AND 60X99 REQUIRED.
- MORGAN STREET EXIT RAMP
 - o MAINTAIN MORGAN STREET EXIT RAMP IN CLOSED CONFIGURATION.

CONSTRUCTION TO BE COMPLETED IN STAGE 1 - SUBSTAGE

- CONSTRUCT CONCRETE BARRIERS, CONCRETE BARRIER TRANSITION AND INSTALL IMPACT ATTENUATORS LOCATED IN GORE AREA OF RAMP NW AND MORGAN STREET EXIT RAMP AS SHOWN IN ROADWAY PLANS.
- INSTALL ROADWAY LIGHTING IMPROVEMENTS AS SHOWN ON THE PEORIA STREET UNDERPASS LIGHTING PLAN.
- COMPLETE ALL NECESSARY SIGNING, PAVEMENT MARKING AND OTHER ITEMS IN COORDINATION WITH CONTRACT 60X77 IN ORDER TO OPEN THE MORGAN STREET EXIT RAMP TO TRAFFIC.
- COORDINATE TRANSFER OF MAINTENANCE OF TRAFFIC RESPONSIBILITIES ALONG RAMP NW AND NB I-90/94 TO CONTRACT 60X77.

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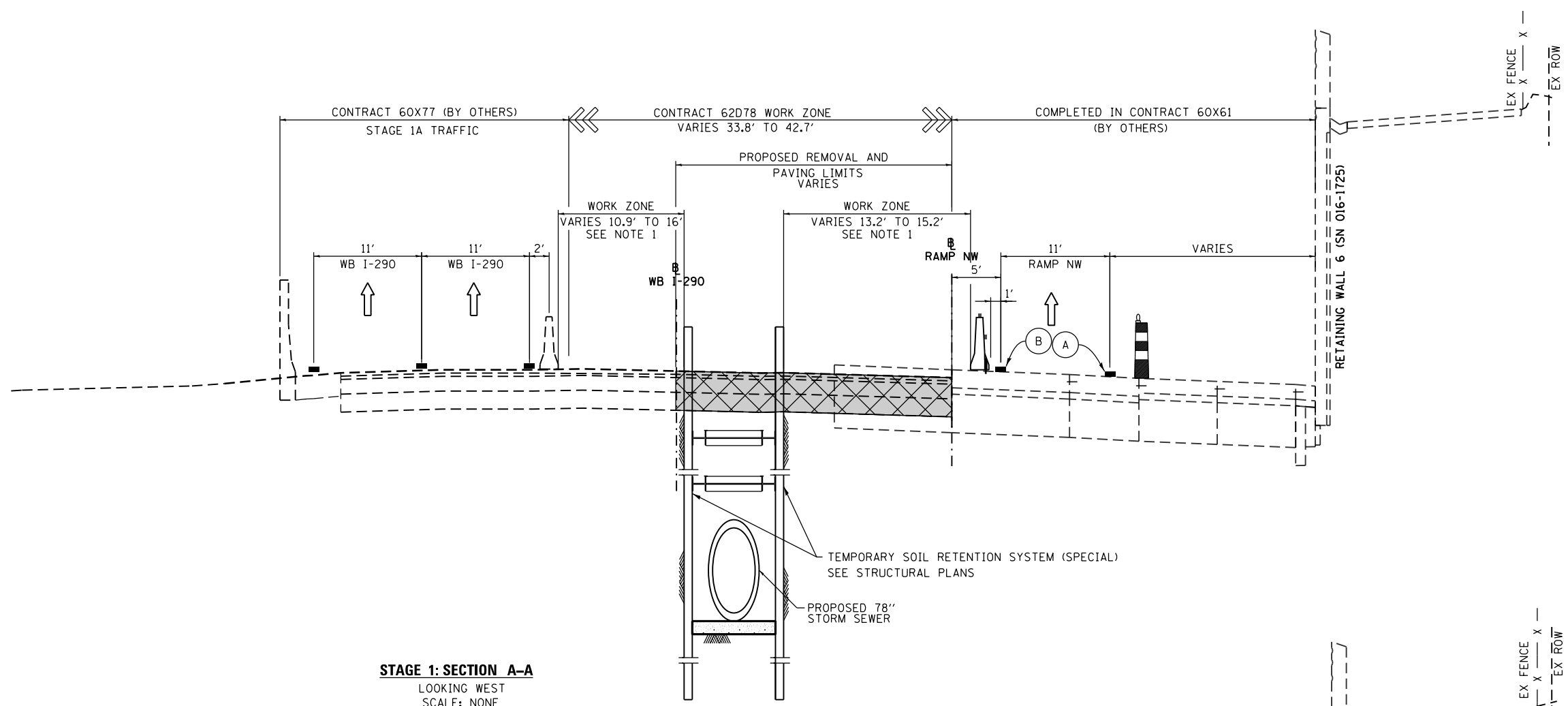
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DEPARTMENT OF TRANSPORTATION**

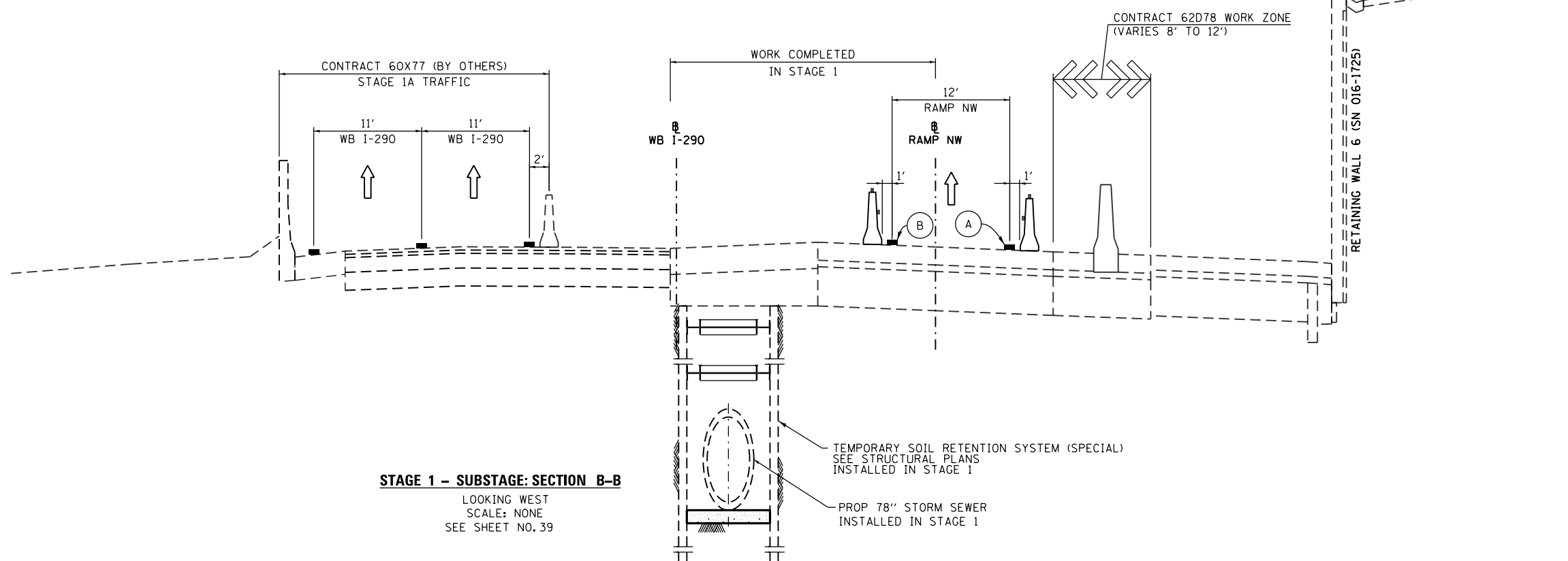
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN			
NARRATIVE			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	28
				CONTRACT NO. 62078
ILLINOIS FED. AID PROJECT				

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STAGE 1: SECTION A-A
 LOOKING WEST
 SCALE: NONE
 SEE SHEET NO. 32



STAGE 1 - SUBSTAGE: SECTION B-B
 LOOKING WEST
 SCALE: NONE
 SEE SHEET NO. 39

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHT
- TEMPORARY CONCRETE BARRIER WITH BARRIER WALL REFLECTORS, TYPE C (2 EACH @ 25' SPACINGS PER STANDARD 704001)
- REMOVAL LIMITS
- TEMPORARY PAVEMENT

NOTES:
 1. SEE CROSS SECTIONS FOR APPROXIMATE WORK ZONE LIMITS BETWEEN THE TEMPORARY CONCRETE BARRIER AND THE EDGES OF THE TEMPORARY SOIL RETENTION SYSTEM (SPECIAL).



D162078-sht-Staging-Typ-01
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 DATE - 7/21/2017

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 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
STAGE 1
 SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	29
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

NOTES:

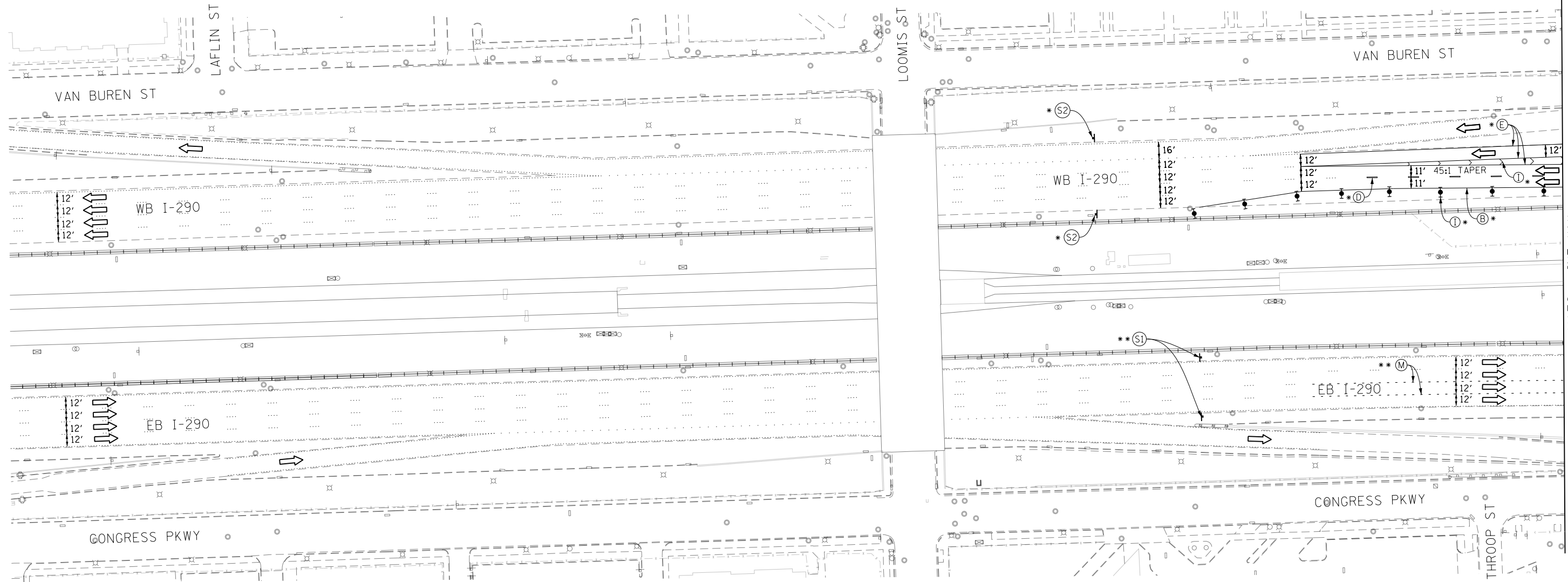
1. ALL TRAVEL LANES ON EB I-290, RAMP EN, AND RAMP ES SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X76 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

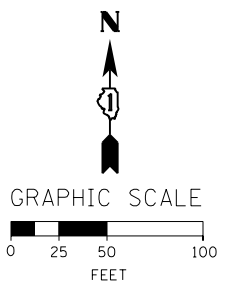
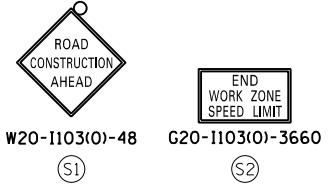
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE)
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
- (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (M) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE)

LEGEND:

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
- ARROW BOARD
- * FROM CONTRACT 60X77 TO REMAIN
- ** FROM CONTRACT 60X76 TO REMAIN
- *** FROM CONTRACT 60X78 TO REMAIN
- **** FROM CONTRACT 60W28 TO REMAIN



MATCH LINE "A" SEE SHEET NO. 31



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0162078-Sht-Staging-ML-1-01.dgn
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DATE - 5/4/2017	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
 MAINLINE STAGE 1**

SCALE: 1" = 50' SHEET 1 OF 9 SHEETS STA. 303+50 TO STA. 318+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	30
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

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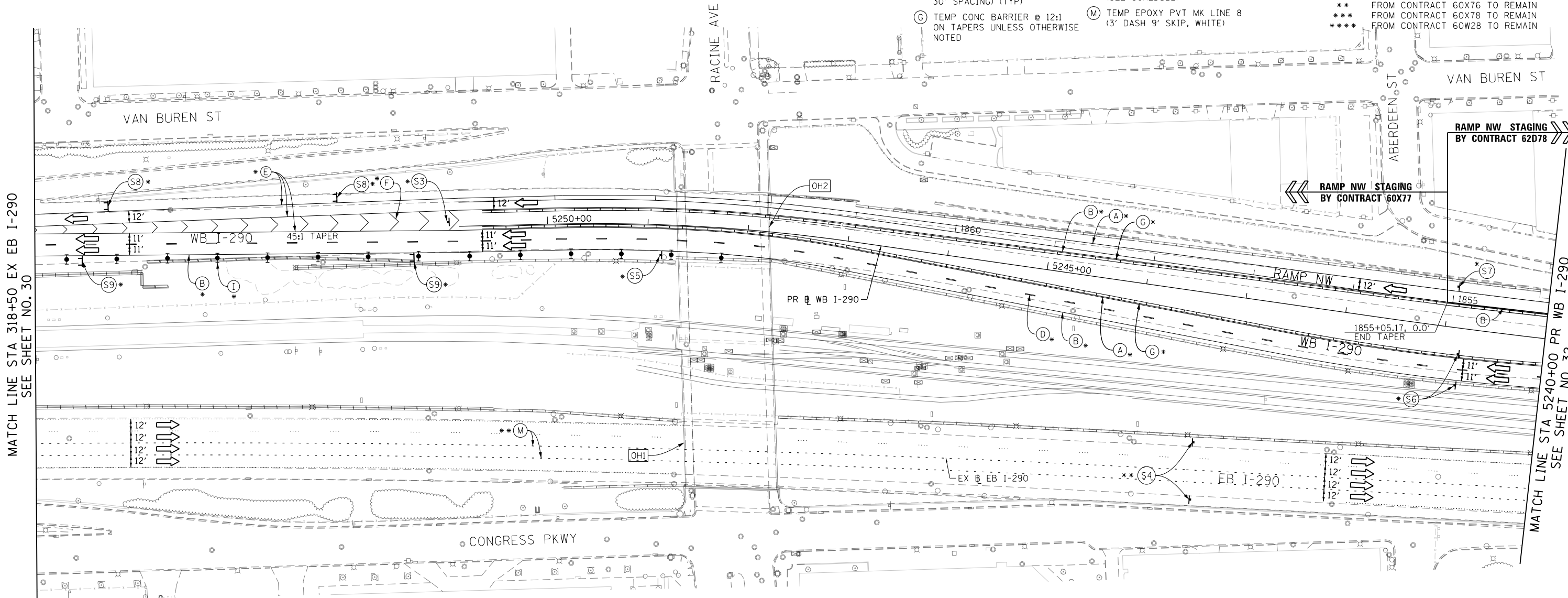
- ALL TRAVEL LANES ON EB I-290, RAMP EN, AND RAMP ES SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X76 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
- ALL TRAVEL LANES ON WB I-290 AND RAMP SW SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X77 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE)
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (M) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE)

LEGEND:

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
- ARROW BOARD
- FROM CONTRACT 60X77 TO REMAIN
- FROM CONTRACT 60X76 TO REMAIN
- FROM CONTRACT 60X78 TO REMAIN
- FROM CONTRACT 60W28 TO REMAIN

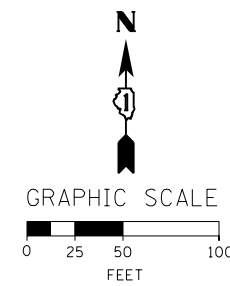
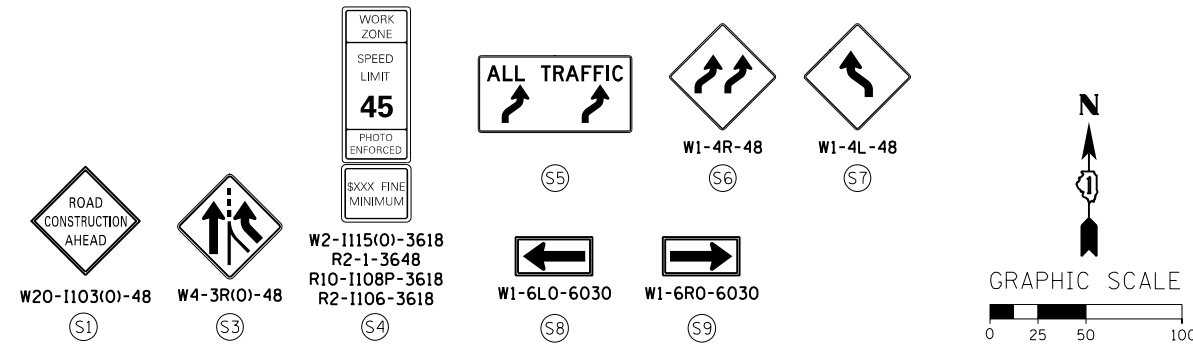
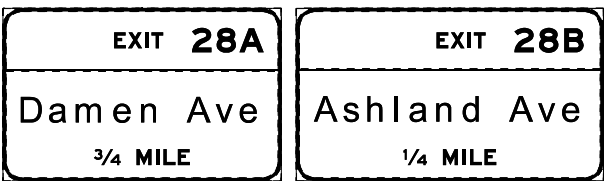
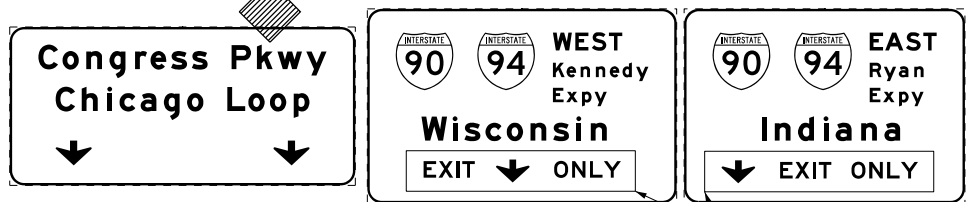


MATCH LINE STA 318+50 EX EB I-290
SEE SHEET NO. 30

MATCH LINE STA 5240+00 PR WB I-290
SEE SHEET NO. 32

(OH1) EXISTING OVERHEAD SIGNS TO REMAIN

(OH2) EXISTING OVERHEAD SIGNS TO REMAIN



D162078-Sht-Staging-ML-1-02
USER NAME = ChiuA
PLOT SCALE = 100.0000' / in.
PLOT DATE = 7/19/2017

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DATE - 7/21/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
MAINLINE STAGING 1
SCALE: 1" = 50' SHEET 2 OF 9 SHEETS STA. 318+50 TO STA. 5240+00

F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 31
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL LAYOUT INFORMATION

POINT		STATION	OFFSET	LT/RT	BASELINE
1	PT	1853+94.64	1.0'	RT	P-CIR-NW
2	PC	1843+99.02	5.0'	RT	P-CIR-NW
3		1845+27.54	19.6'	RT	P-CIR-NW
4		1845+15.01	19.0'	RT	P-CIR-NW
5		1844+52.43	20.9'	RT	P-CIR-NW
6	PT	1841+74.61	5.0'	RT	P-CIR-NW
7	PC	1840+84.91	4.6'	RT	P-CIR-NW
8		1841+74.61	3.0'	RT	P-CIR-NW
9		1841+24.79	1.3'	LT	P-CIR-NW

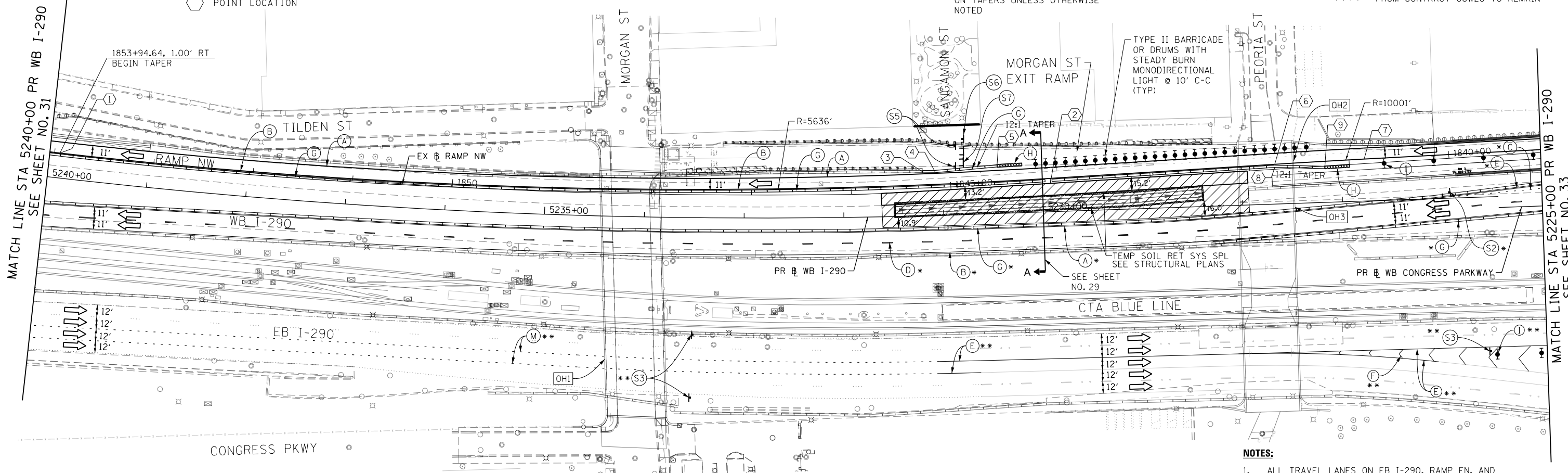
POINT LOCATION

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE)
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
- (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (M) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE)

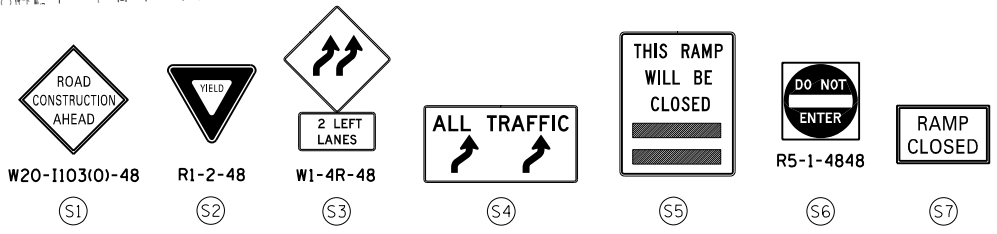
LEGEND:

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
- ARROW BOARD
- FROM CONTRACT 60X77 TO REMAIN
- FROM CONTRACT 60X76 TO REMAIN
- FROM CONTRACT 60X78 TO REMAIN
- FROM CONTRACT 60W28 TO REMAIN

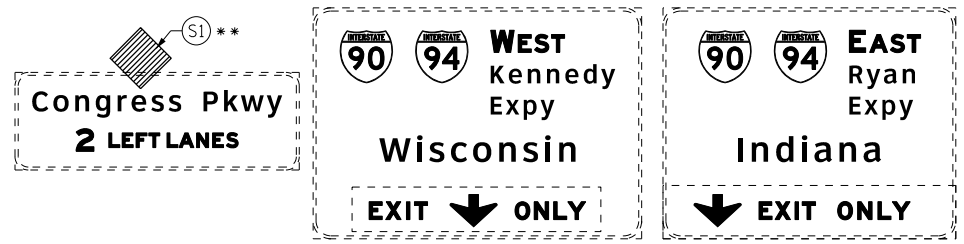


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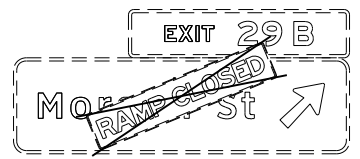
- ALL TRAVEL LANES ON EB I-290, RAMP EN, AND RAMP ES SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X76 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
- ALL TRAVEL LANES ON WB I-290 AND RAMP SW SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X77 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.



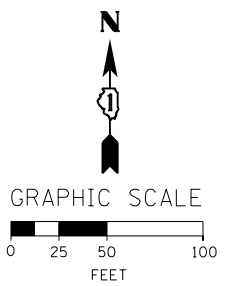
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[OH2] EXISTING OVERHEAD SIGNS TO REMAIN



[OH3] EXISTING OVERHEAD SIGNS TO REMAIN



D162078-Sht-Staging-ML-1-03
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 CHECKED - MJE
 DATE - 7/21/2017

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

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
 MAINLINE STAGING 1**

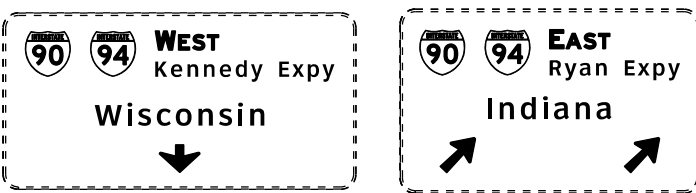
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	32
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE)
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
- (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (M) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE)

OH2 EXISTING OVERHEAD SIGNS TO REMAIN

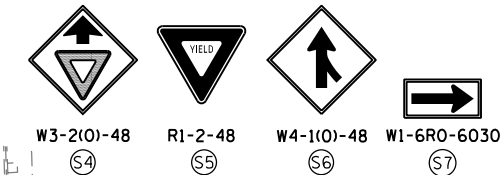
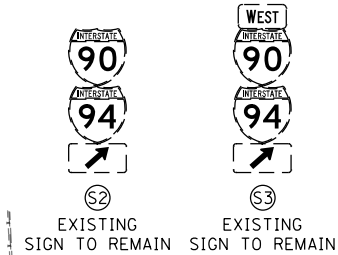


NOTES:

- FOR NB AND SB I-90/94 STAGING DETAIL SEE CONTRACT 60X78 STAGING PLANS.
- STAGING EAST OF STA 5218+33.89 ON WB I-290 IS SHOWN FOR INFORMATION ONLY. CONTRACTOR COORDINATION AND COOPERATION NEEDED WITH ADJACENT CONTRACT 60X78.
- STAGING ON EB I-290 STAGING IS SHOWN FOR INFORMATION ONLY. STAGING ON EB I-290, RAMP EN AND RAMP ES MAINTAINED AND COORDINATED BY CONTRACTS 60X76, 62A74 AND 60X78.

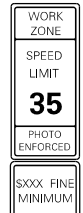
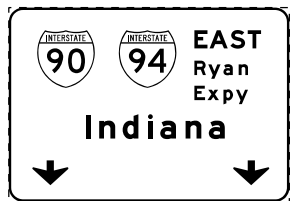
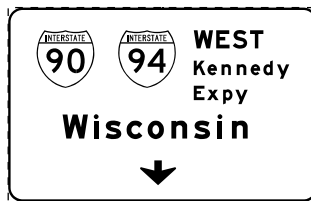
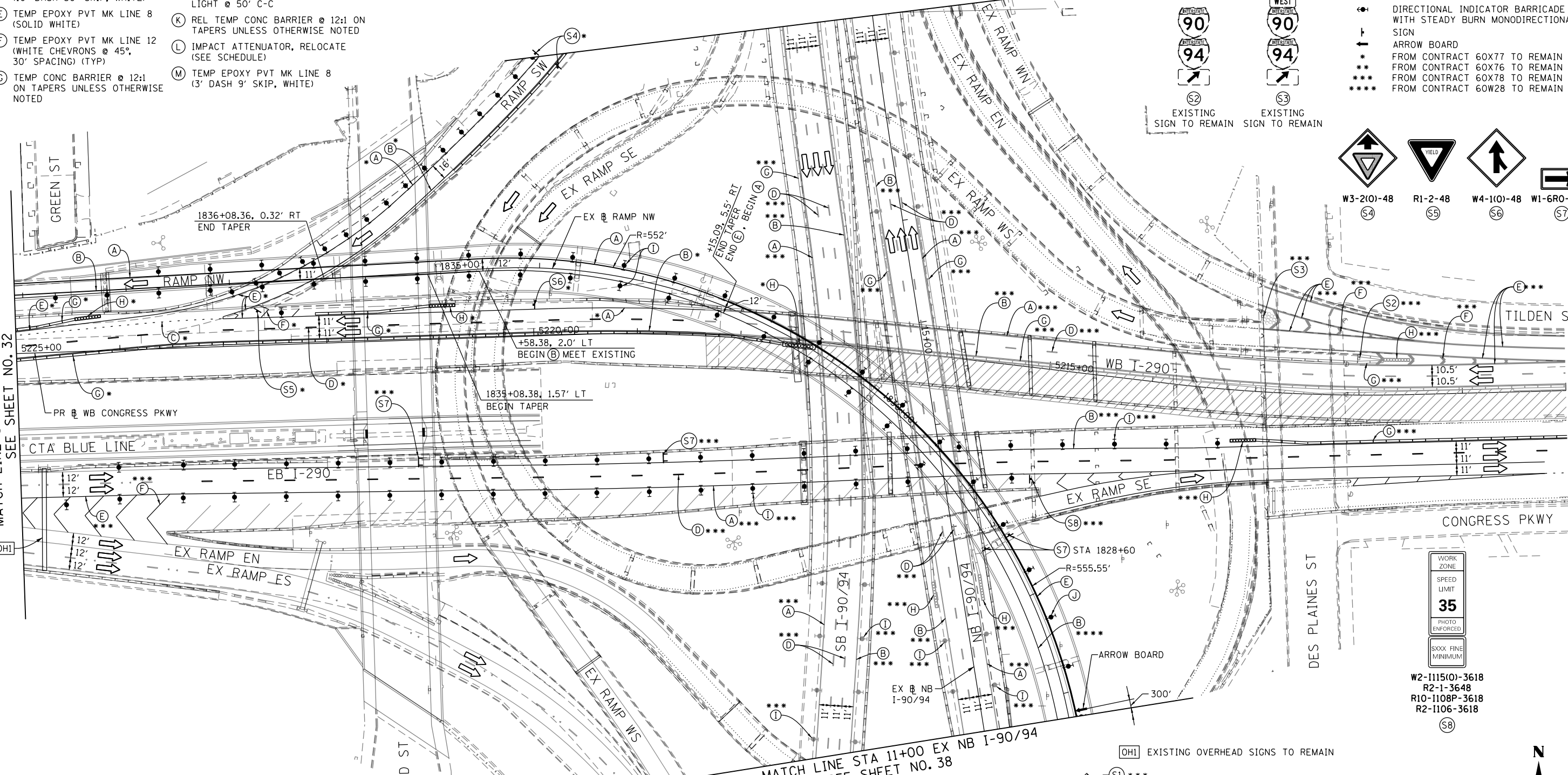
LEGEND:

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
- ARROW BOARD
- FROM CONTRACT 60X77 TO REMAIN
- FROM CONTRACT 60X76 TO REMAIN
- FROM CONTRACT 60X78 TO REMAIN
- FROM CONTRACT 60W28 TO REMAIN

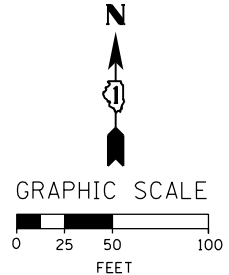


MATCH LINE STA 5225+00 PR WB I-290 SEE SHEET NO. 32

MATCH LINE STA 11+00 EX NB I-90/94 SEE SHEET NO. 38



W2-1115(0)-3618
R2-1-3648
R10-1108P-3618
R2-1106-3618



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DATE - 7/21/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
MAINLINE STAGING 1

SCALE: 1" = 50' SHEET 4 OF 9 SHEETS STA. 5225+00 TO STA. 5210+00

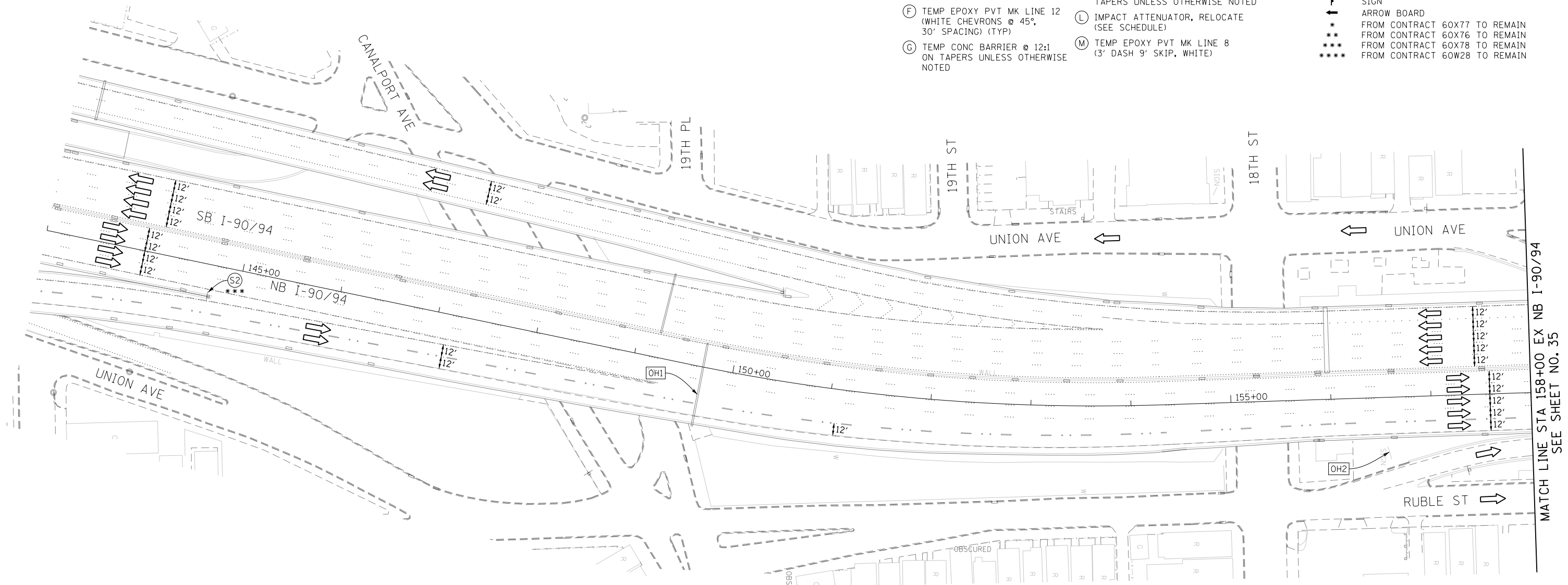
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	33
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

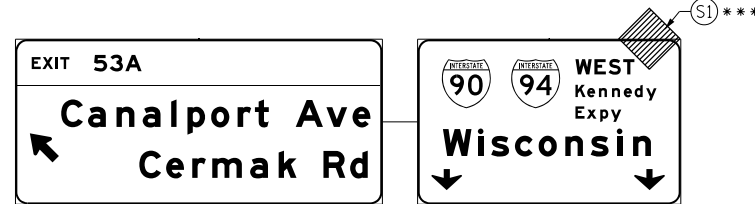
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE)
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
- (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (M) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE)

LEGEND:

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
- ARROW BOARD
- FROM CONTRACT 60X77 TO REMAIN
- FROM CONTRACT 60X76 TO REMAIN
- FROM CONTRACT 60X78 TO REMAIN
- FROM CONTRACT 60W28 TO REMAIN



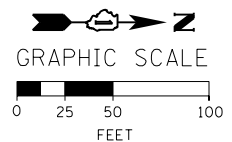
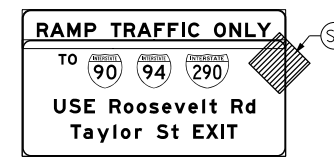
EXISTING OVERHEAD SIGN LOCATED APPROX AT STA 130+00 EX I-90/94 OVER I-55 TO NB I-90/94 RAMP



OH1 EXISTING OVERHEAD SIGNS



OH2 UNCOVER EXISTING GROUND MOUNTED SIGN



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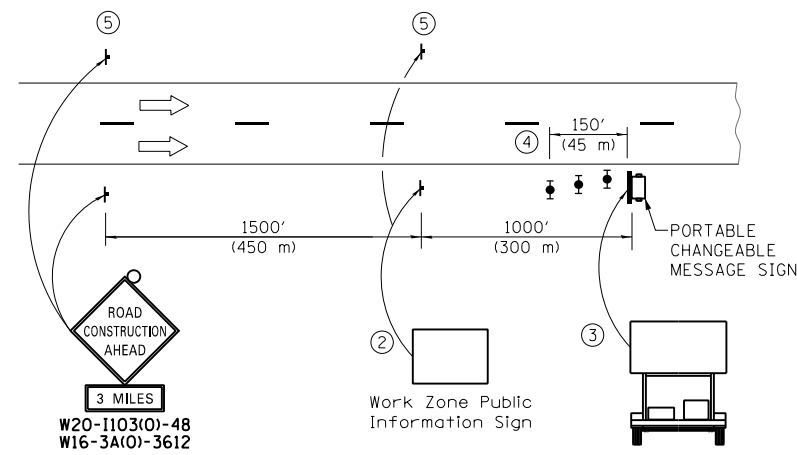
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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
 MAINLINE STAGING 1**

SCALE: 1" = 50' SHEET 5 OF 9 SHEETS STA. 143+00 TO STA. 158+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	34
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

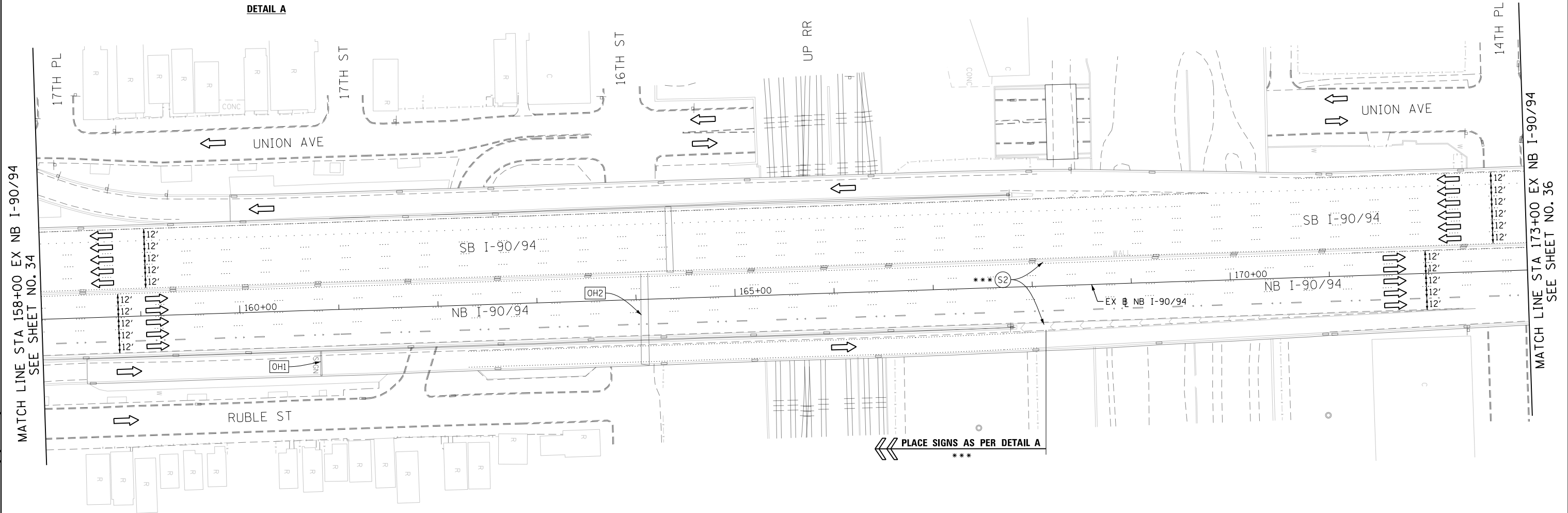


DETAIL A

- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 MILE IN ADVANCE OF THE PROJECT LIMITS.
- ② THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.
- ③ THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT. THE PRIMARY MESSAGES SHALL BE:
 "RIGHT LANE CLOSED" / " x MILES AHEAD"
 "LEFT LANE CLOSED" / " x MILES AHEAD"
 "ALL LANES OPEN"
- ④ THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 50' (15 m) CENTERS.
- ⑤ THIS SIGN SHALL BE OMITTED WHEN MEDIAN WIDTH IS LESS THAN 10' (3 m).

- PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
 - (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
 - (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
 - (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
 - (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
 - (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
 - (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
 - (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE)
 - (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP
 - (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
 - (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
 - (L) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
 - (M) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE)

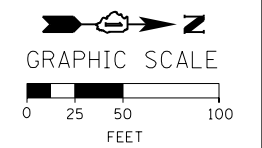
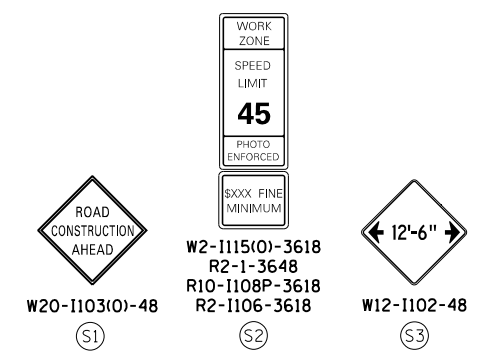
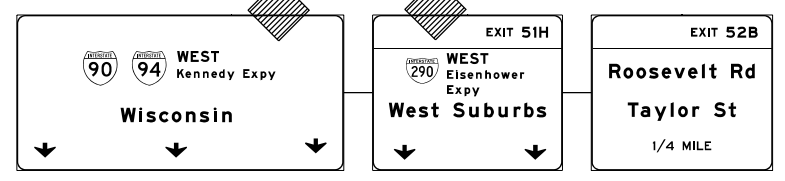
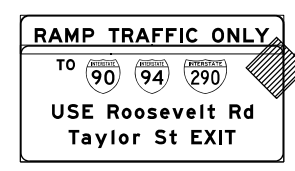
- LEGEND:**
- WORK ZONE
 - TEMPORARY CONCRETE BARRIER
 - TEMPORARY IMPACT ATTENUATOR
 - TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
 - DIRECTION OF TRAFFIC FLOW
 - TYPE III BARRICADE
 - TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
 - DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
 - ARROW BOARD
 - FROM CONTRACT 60X77 TO REMAIN
 - FROM CONTRACT 60X76 TO REMAIN
 - FROM CONTRACT 60X78 TO REMAIN
 - FROM CONTRACT 60W28 TO REMAIN



PLACE SIGNS AS PER DETAIL A

[OH1] EXISTING OVERHEAD SIGN

[OH2] EXISTING OVERHEAD SIGNS



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0162078-Sht-Staging-ML-1-06.dgn
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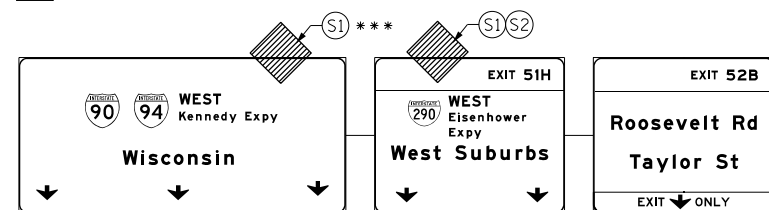
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

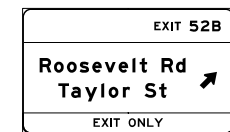
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
 MAINLINE STAGING 1
 SCALE: 1" = 50' SHEET 6 OF 9 SHEETS STA. 158+00 TO STA. 173+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	35
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

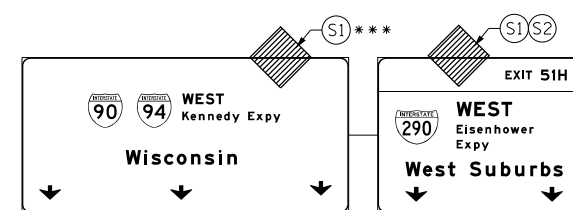
[OH1] EXISTING OVERHEAD SIGNS



[OH2] EXISTING OVERHEAD SIGN



[OH3] EXISTING OVERHEAD SIGNS TO REMAIN



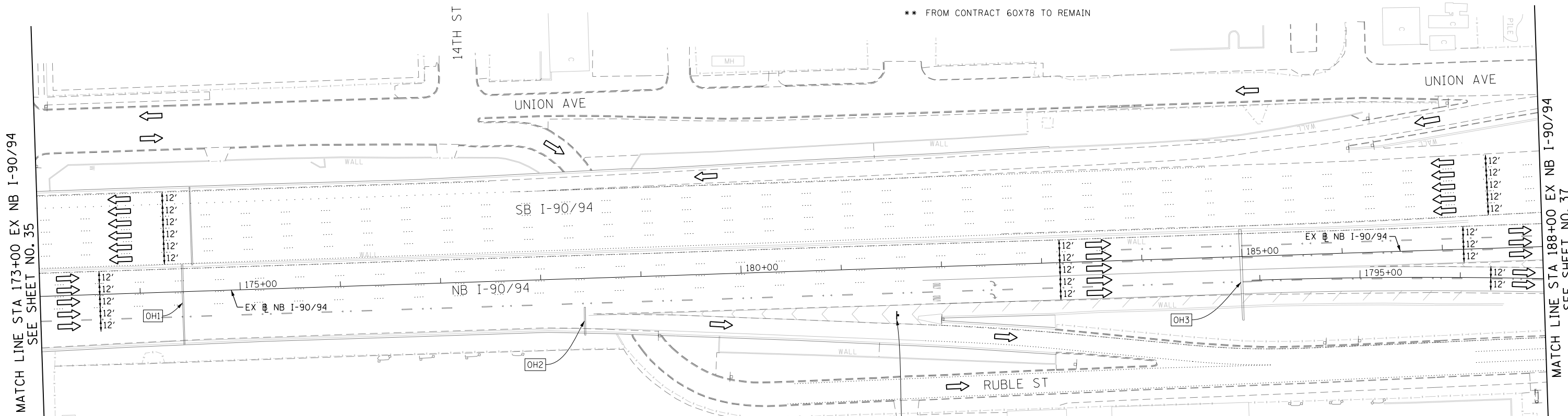
PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE)
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
- (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (M) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE)

** FROM CONTRACT 60X78 TO REMAIN

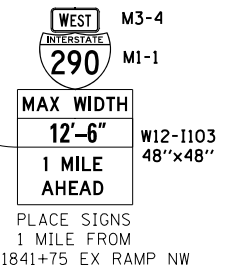
LEGEND:

- [Symbol] WORK ZONE
- [Symbol] TEMPORARY CONCRETE BARRIER
- [Symbol] TEMPORARY IMPACT ATTENUATOR
- [Symbol] TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- [Symbol] DIRECTION OF TRAFFIC FLOW
- [Symbol] TYPE III BARRICADE
- [Symbol] TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- [Symbol] DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
- [Symbol] ARROW BOARD
- [Symbol] FROM CONTRACT 60X77 TO REMAIN
- [Symbol] FROM CONTRACT 60X76 TO REMAIN
- [Symbol] FROM CONTRACT 60X78 TO REMAIN
- [Symbol] FROM CONTRACT 60W28 TO REMAIN

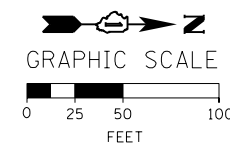
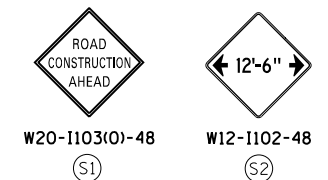


MATCH LINE STA 173+00 EX NB I-90/94 SEE SHEET NO. 35

MATCH LINE STA 188+00 EX NB I-90/94 SEE SHEET NO. 37



PLACE SIGNS 1 MILE FROM STA 1841+75 EX RAMP NW



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
 MAINLINE STAGING 1**
 SCALE: 1" = 50' SHEET 7 OF 9 SHEETS STA. 173+00 TO STA. 188+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	36
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

NOTES:

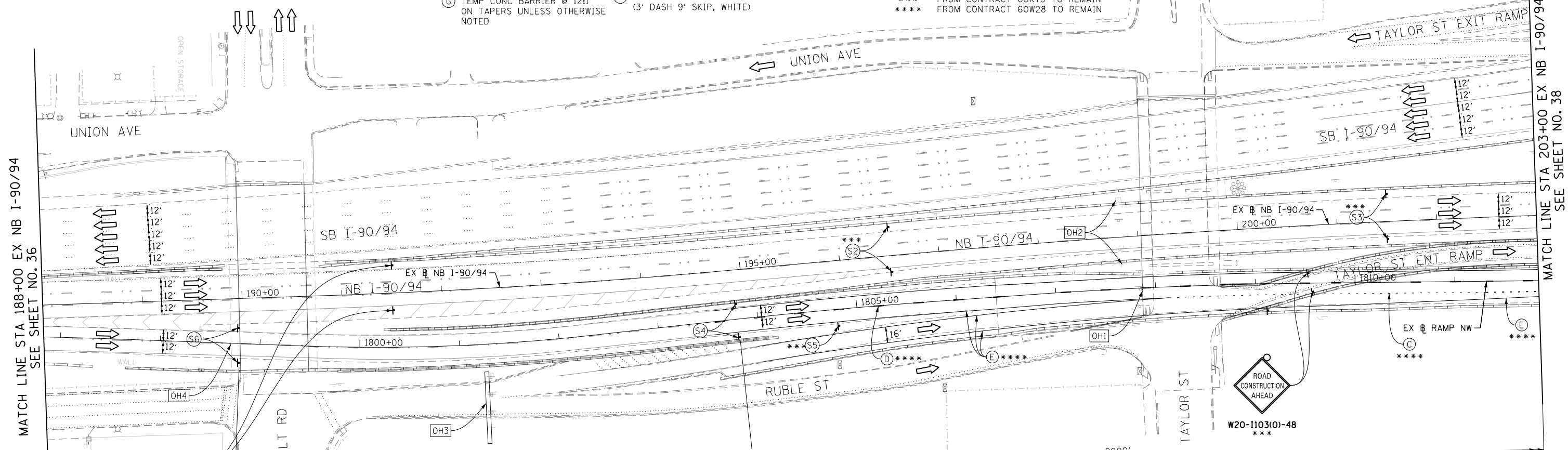
- ALL TRAVEL LANES AND SIGNAGE ON NB I-90/94 SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X78 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE)
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
- (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (M) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE)

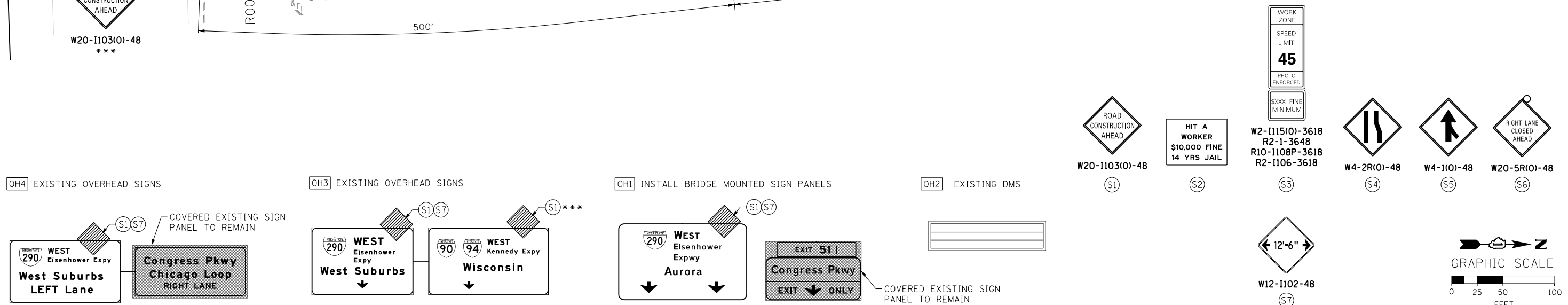
LEGEND:

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
- ARROW BOARD
- FROM CONTRACT 60X77 TO REMAIN
- FROM CONTRACT 60X76 TO REMAIN
- FROM CONTRACT 60X78 TO REMAIN
- FROM CONTRACT 60W28 TO REMAIN



MATCH LINE STA 188+00 EX NB I-90/94 SEE SHEET NO. 36

MATCH LINE STA 203+00 EX NB I-90/94 SEE SHEET NO. 38



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DATE - 5/4/2017	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
 MAINLINE STAGING 1**

SCALE: 1" = 50' SHEET 8 OF 9 SHEETS STA. 188+00 TO STA. 203+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	37
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

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**PROPOSED TEMP PAVEMENT MARKINGS
AND TRAFFIC CONTROL DEVICES**

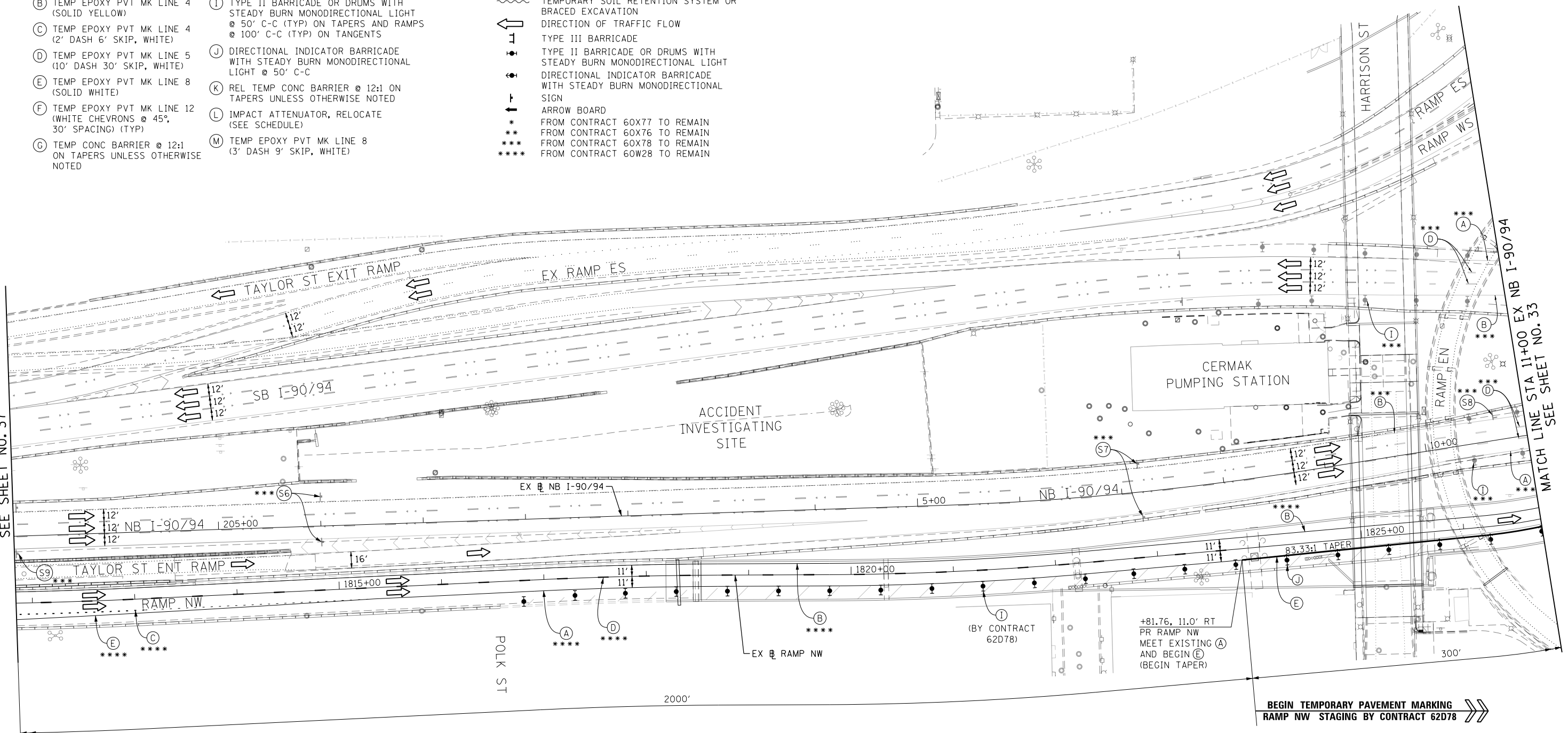
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30" SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE)
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
- (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (M) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE)

LEGEND:

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
- ARROW BOARD
- FROM CONTRACT 60X77 TO REMAIN
- FROM CONTRACT 60X76 TO REMAIN
- FROM CONTRACT 60X78 TO REMAIN
- FROM CONTRACT 60W28 TO REMAIN

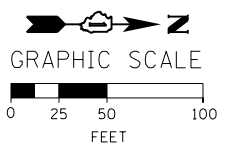
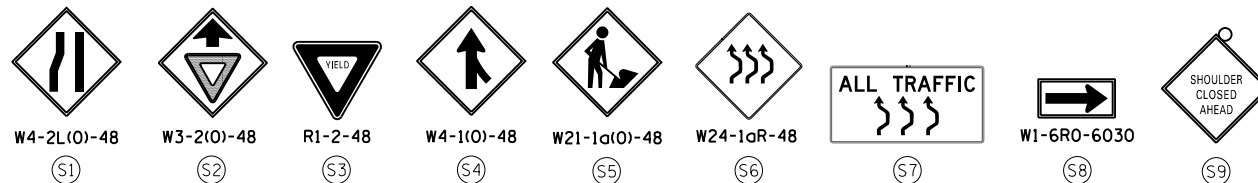
MATCH LINE STA 203+00 EX NB I-90/94
SEE SHEET NO. 37

MATCH LINE STA 11+00 EX NB I-90/94
SEE SHEET NO. 33



NOTES:

- ALL TRAVEL LANES ON NB AND SB I-90/94 AND STAGING SIGNS SHALL BE MAINTAINED AS PER CONTRACTS 60X78.



D162078-Sht-Staging-ML-1-09.dgn
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 PLOT DATE = 5/2/2017

DESIGNED - OPS
 DRAWN - PHP
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 DATE - 5/4/2017

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
MAINLINE STAGING 1**

SCALE: 1" = 50' SHEET 9 OF 9 SHEETS STA. 203+00 TO STA. 11+00

F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 38
CONTRACT NO. 62D78				
ILLINOIS FED. AID PROJECT				

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TRAFFIC CONTROL LAYOUT INFORMATION

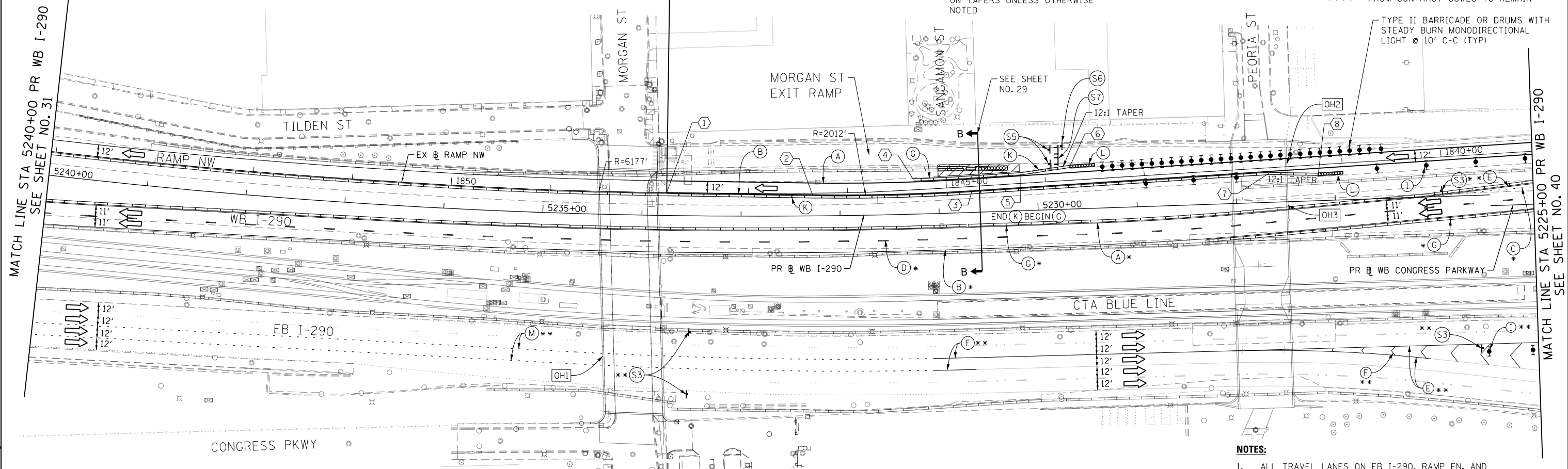
POINT	STATION	OFFSET	LT/RT	BASELINE
1	1847+82.45	0.0'	-	P-CIR-NW
2	PT 1846+35.27	1.8'	LT	P-CIR-NW
3	PC 1844+74.54	4.4'	LT	P-CIR-NW
4	1845+32.72	10.1'	RT	P-CIR-NW
5	1844+24.16	9.7'	RT	P-CIR-NW
6	1843+74.35	14.0'	RT	P-CIR-NW
7	1841+74.59	5.7'	LT	P-CIR-NW
8	1841+24.75	9.7'	LT	P-CIR-NW

POINT LOCATION

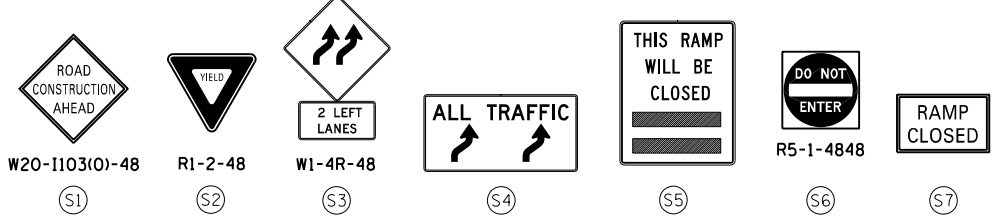
PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE)
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
- (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (M) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE)

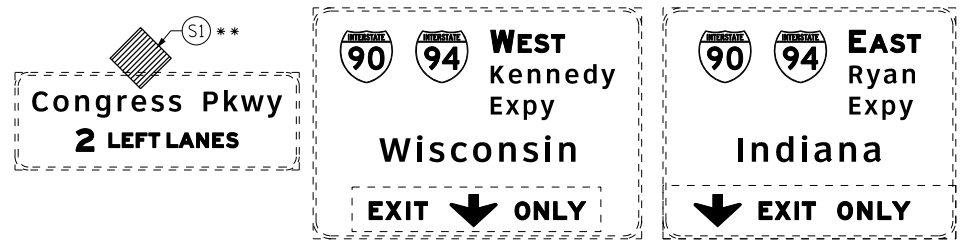
- LEGEND:**
- WORK ZONE
 - TEMPORARY CONCRETE BARRIER
 - TEMPORARY IMPACT ATTENUATOR
 - TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
 - DIRECTION OF TRAFFIC FLOW
 - TYPE III BARRICADE
 - TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
 - DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - ARROW BOARD
 - FROM CONTRACT 60X77 TO REMAIN
 - FROM CONTRACT 60X76 TO REMAIN
 - FROM CONTRACT 60X78 TO REMAIN
 - FROM CONTRACT 60W28 TO REMAIN



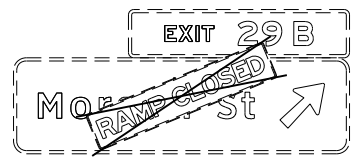
- NOTES:**
- ALL TRAVEL LANES ON EB I-290, RAMP EN, AND RAMP ES SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X76 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
 - ALL TRAVEL LANES ON WB I-290 AND RAMP SW SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X77 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.



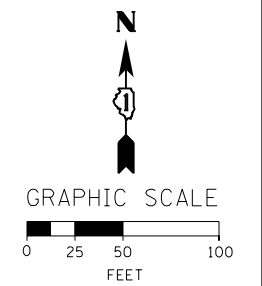
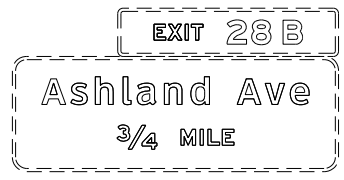
[OH1] EXISTING OVERHEAD SIGNS TO REMAIN



[OH2] EXISTING OVERHEAD SIGNS TO REMAIN



[OH3] EXISTING OVERHEAD SIGNS TO REMAIN



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DRAWN -	PHP	REVISED -	
CHECKED -	MJE	REVISED -	
DATE -	5/4/2017	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
 MAINLINE STAGING 1 - SUBSTAGE**
 SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 5255+00 TO STA. 5240+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	39
CONTRACT NO. 62D78				
ILLINOIS FED. AID PROJECT				

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

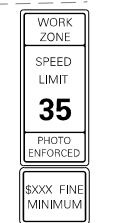
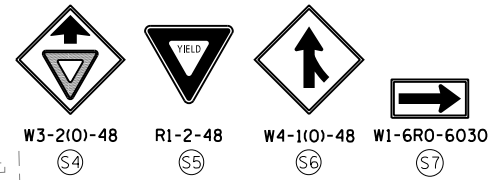
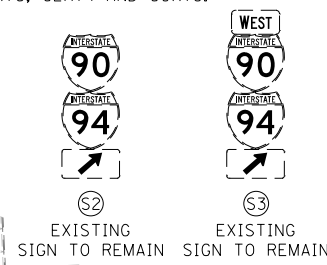
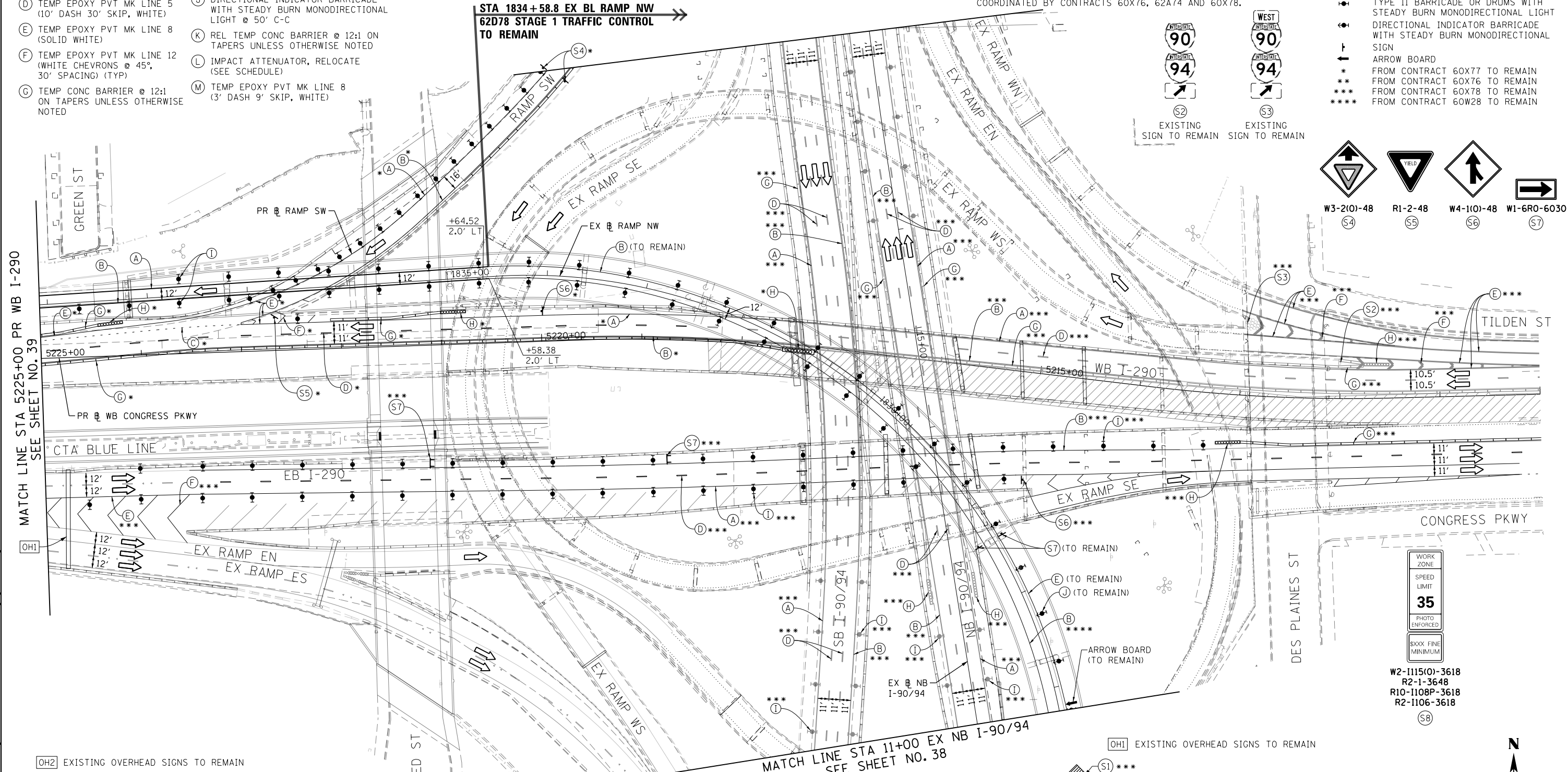
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE)
- (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (L) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE)
- (M) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE)

NOTES:

- FOR NB AND SB I-90/94 STAGING DETAIL SEE CONTRACT 60X78 STAGING PLANS.
- STAGING EAST OF STA 5218+33.89 ON WB I-290 IS SHOWN FOR INFORMATION ONLY. CONTRACTOR COORDINATION AND COOPERATION NEEDED WITH ADJACENT CONTRACT 60X78.
- STAGING ON EB I-290 STAGING IS SHOWN FOR INFORMATION ONLY. STAGING ON EB I-290, RAMP EN AND RAMP ES MAINTAINED AND COORDINATED BY CONTRACTS 60X76, 62A74 AND 60X78.

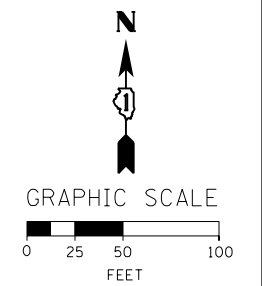
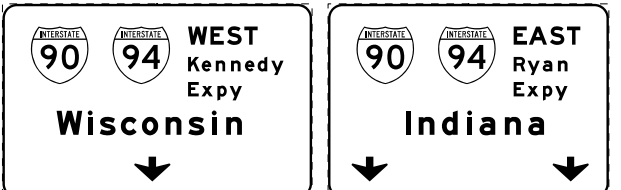
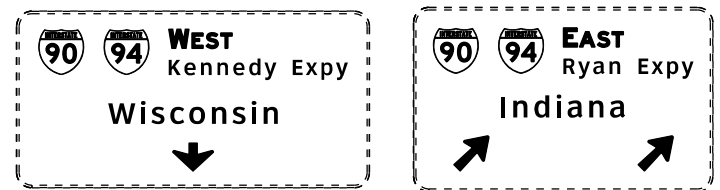
LEGEND:

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ARROW BOARD
- FROM CONTRACT 60X77 TO REMAIN
FROM CONTRACT 60X76 TO REMAIN
FROM CONTRACT 60X78 TO REMAIN
FROM CONTRACT 60W28 TO REMAIN



- W2-1115(0)-3618
- R2-1-3648
- R10-1108P-3618
- R2-1106-3618

[OH2] EXISTING OVERHEAD SIGNS TO REMAIN



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DATE -	5/4/2017	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
MAINLINE STAGING 1 - SUBSTAGE

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 5225+00 TO STA. 5210+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	40
CONTRACT NO. 62D78				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE

SHEET	ROADWAY/STATION	BASELINE	PAVEMENT MARKING REMOVAL - WATER BLASTING	TEMPORARY EPOXY PAVEMENT MARKING - LINE 4"	TEMPORARY EPOXY PAVEMENT MARKING - LINE 8"	TEMPORARY EPOXY PAVEMENT MARKING - LINE 12"
			SQ FT	FOOT	FOOT	FOOT
1	STA 1840+03.18 TO STA 1844+74.57	P-CIR-NW	761	52	728	101
SUBTOTALS			761	52	728	101
TOTALS WITH ALLOWANCE			761	52	728	101

SIGNING SCHEDULE

DESCRIPTION						SIGN PANEL DIMENSIONS		SIGN PANEL - TYPE 2 (SQ FT)	REMOVE SIGN PANEL - TYPE 2 (SQ FT)	TELESCOPING STEEL SIGN SUPPORT (FOOT)	BASE FOR TELESCOPING STEEL SIGN SUPPORT (EACH)
LOCATION	SIGN NO.	LEGEND / DESCRIPTION	BASELINE	LOCATION (STATION / OFFSET)		WIDTH (FT)	HEIGHT (FT)				
RAMP NW	EX-05-0L	RAMP CLOSED	PR WB I-290	5227+48.00	45.5' RT	10.0	2.0	-	20.0	-	-
	MX-01-TS	EXIT GORE (WITH EXIT NUMBER)	EX RAMP NW	1844+78.86	18.3' RT	4.0	3.5	14.0		12.0	1
	MX-02-TS	EXIT GORE ADVISORY SPEED (PLAQUE)	EX RAMP NW	1844+78.86	18.3' RT	4.0	5.0	20.0			
ROUNDED TOTAL								34	20	12	1

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PLOT DATE = 5/3/2017	DATE - 5/4/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING SCHEDULE

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

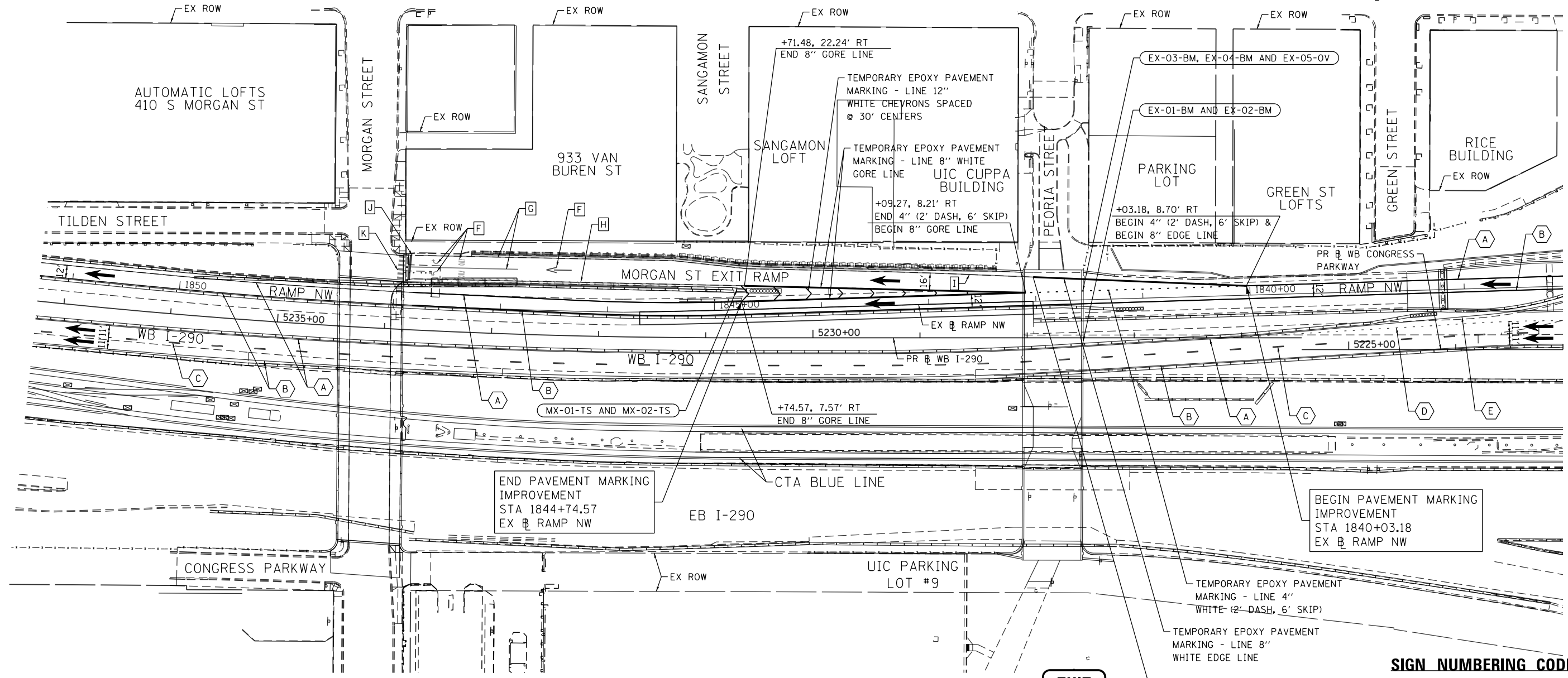
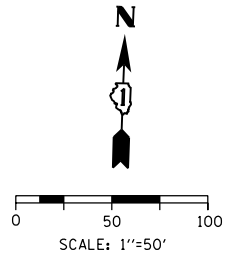
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	41
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING NOTES

1. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE OF THE IMPROVEMENT LIMITS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
2. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING PAVEMENT MARKINGS AND MARKERS FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE DIRECTED BY THE ENGINEER.
3. THE RESIDENT ENGINEER SHALL CONTACT EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT 847-705-4155 AND ARTERIAL TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
4. PARTIAL STATIONS PROVIDED REFER TO EX R RAMP NW UNLESS OTHERWISE NOTED.

EX-01-BM AND EX-02-BM
 EX-01-BM: SPECIAL (138"x30")
 EX-02-BM: SPECIAL (204"x72")
 INSTALLED BY OTHERS (CONTRACT 60W29)
 EXISTING SIGNS TO REMAIN
 STA 5227+48, 9.5' LT (PR R WB I-290)

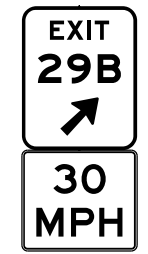
EX-03-BM, EX-04-BM AND EX-05-OV
 EX-03-BM: SPECIAL (138"x30")
 EX-04-BM: SPECIAL (210"x60")
 INSTALLED BY OTHERS (CONTRACT 60W29)
 EXISTING SIGNS TO REMAIN
 EX-05-OL: RAMP CLOSED (120"x24")
 REMOVE SIGN PANEL T2 "RAMP CLOSED" AFTER COMPLETION OF MORGAN STREET EXIT RAMP
 STA 5227+48, 45.5' RT (PR R WB I-290)



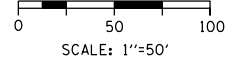
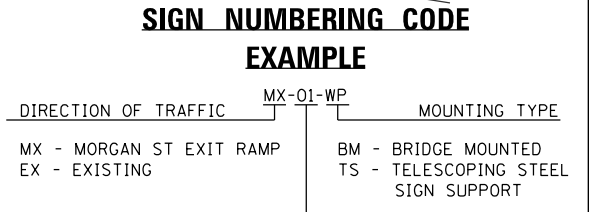
EXISTING PAVEMENT MARKINGS TO REMAIN

- A - TEMPORARY EPOXY PAVEMENT MARKING - LINE 4" WHITE EDGE LINE
- B - TEMPORARY EPOXY PAVEMENT MARKING - LINE 4" YELLOW EDGE LINE
- C - TEMPORARY EPOXY PAVEMENT MARKING - LINE 5" WHITE (10' DASH, 30' SKIP)
- D - TEMPORARY EPOXY PAVEMENT MARKING - LINE 4" WHITE (2' DASH, 6' SKIP)
- E - TEMPORARY EPOXY PAVEMENT MARKING - LINE 8" WHITE EDGE LINE

- F - POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS
- G - POLYUREA PAVEMENT MARKING TYPE I - LINE 4" WHITE SOLID/EDGE LINE
- H - POLYUREA PAVEMENT MARKING TYPE I - LINE 4" YELLOW SOLID/EDGE LINE
- I - POLYUREA PAVEMENT MARKING TYPE I - LINE 8" WHITE EDGE LINE
- J - POLYUREA PAVEMENT MARKING TYPE I - LINE 24" WHITE STOP BAR
- K - POLYUREA PAVEMENT MARKING TYPE I - LINE 24" WHITE CROSS WALK



MX-01-TS AND MX-02-TS
 MX-01-TS: SPECIAL (48"x60")
 SIGN PANEL T2
 MX-02-TS: SPECIAL (48"x42")
 SIGN PANEL T2
 TELES STL SIN SUPPORT ON BASE TEL STL SIN SUPP
 STA 1844+78.86, 18.3' RT
 (EX R RAMP NW)



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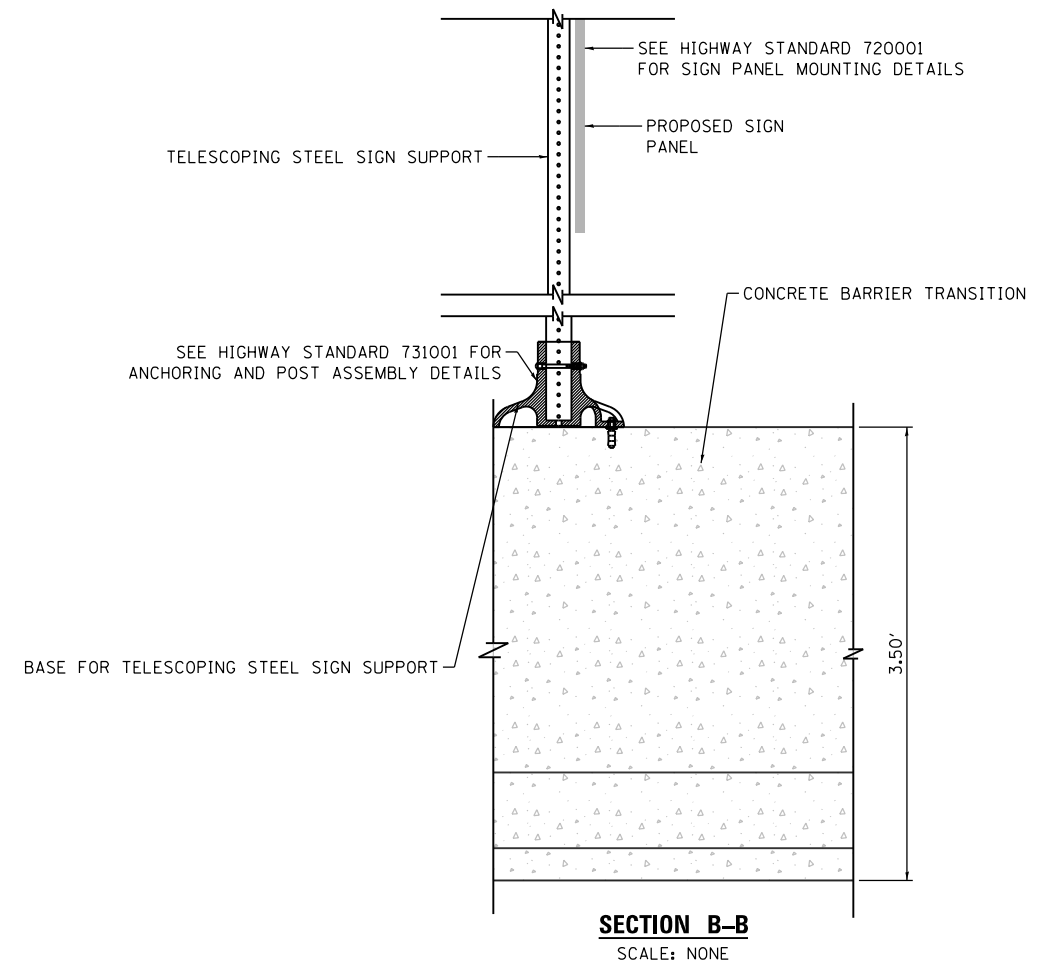
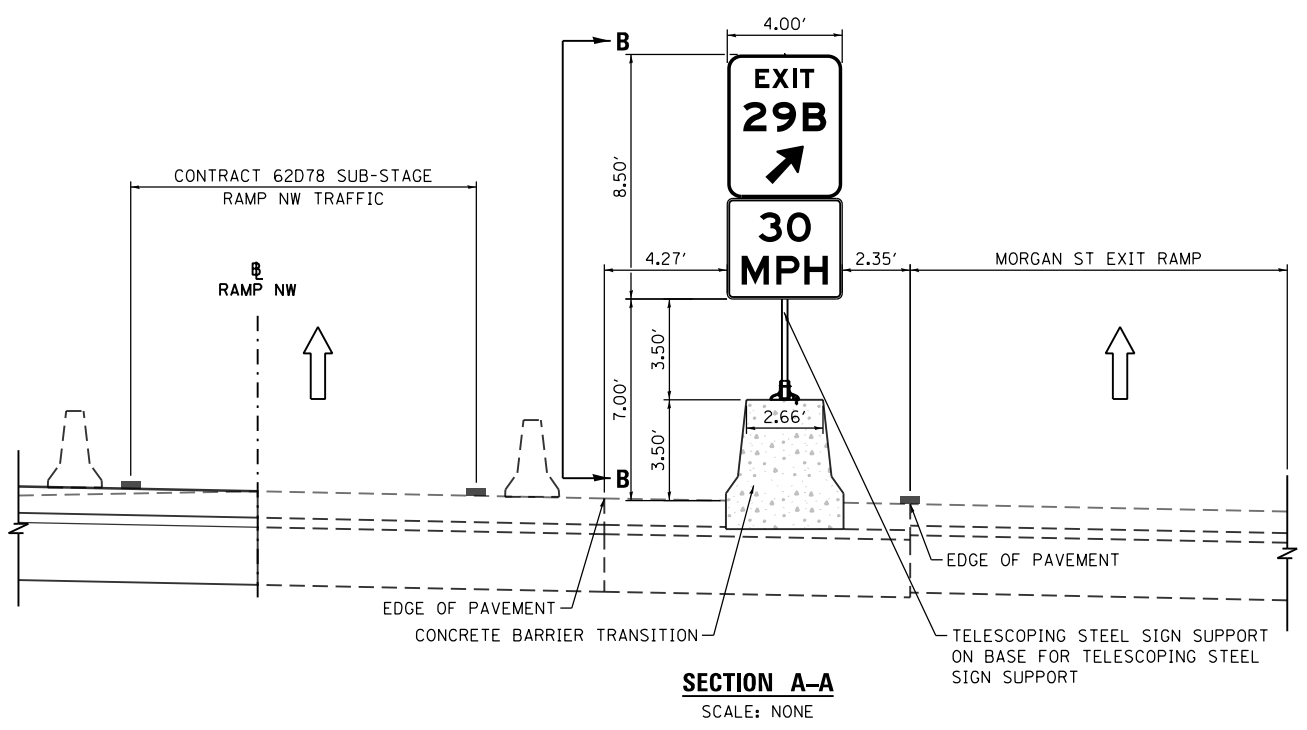
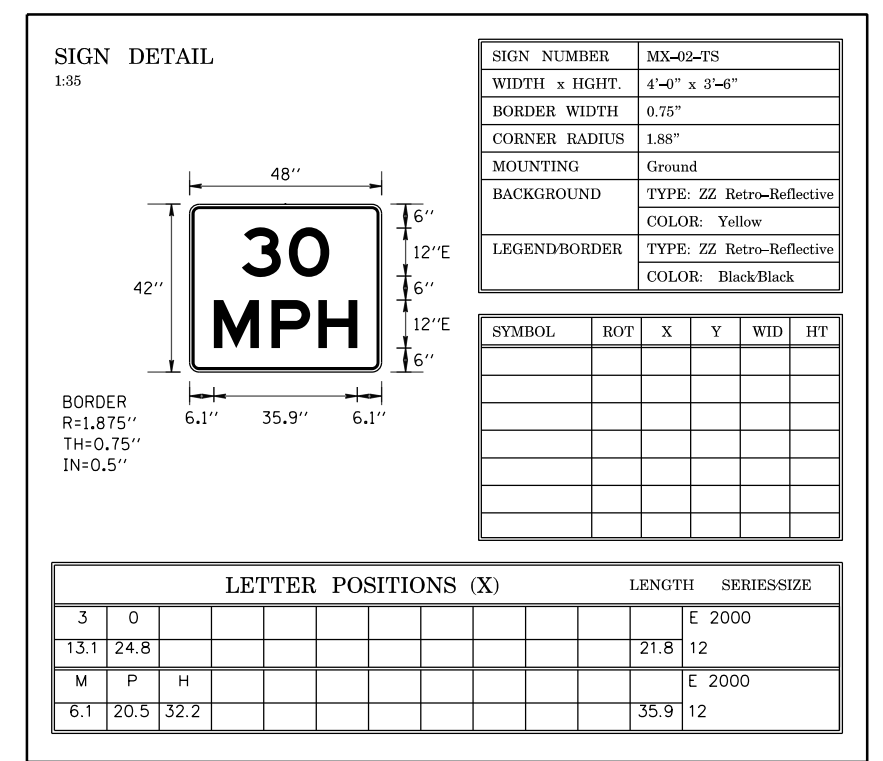
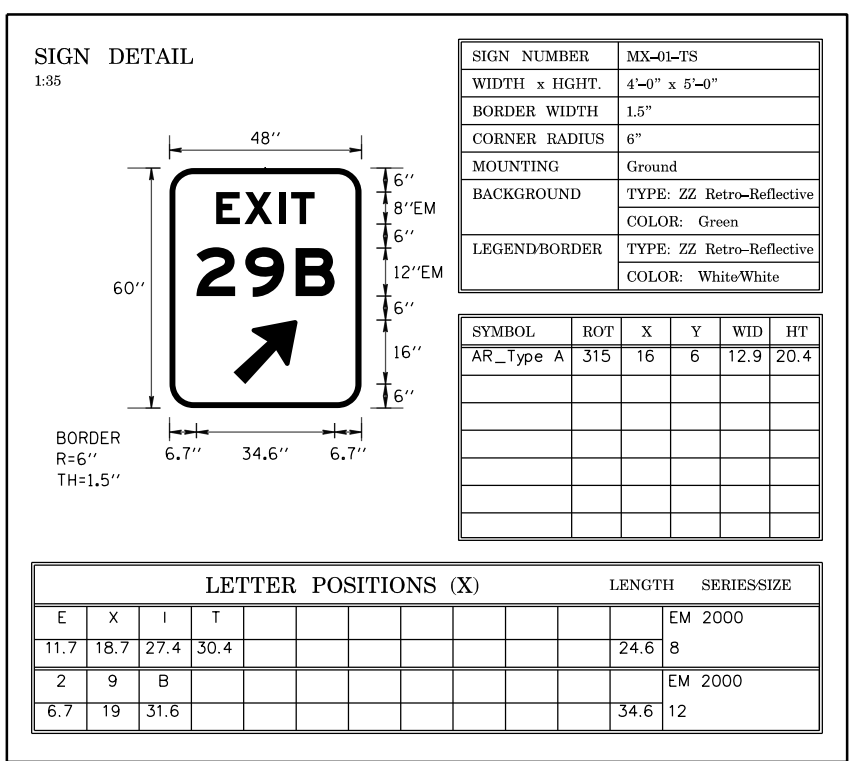
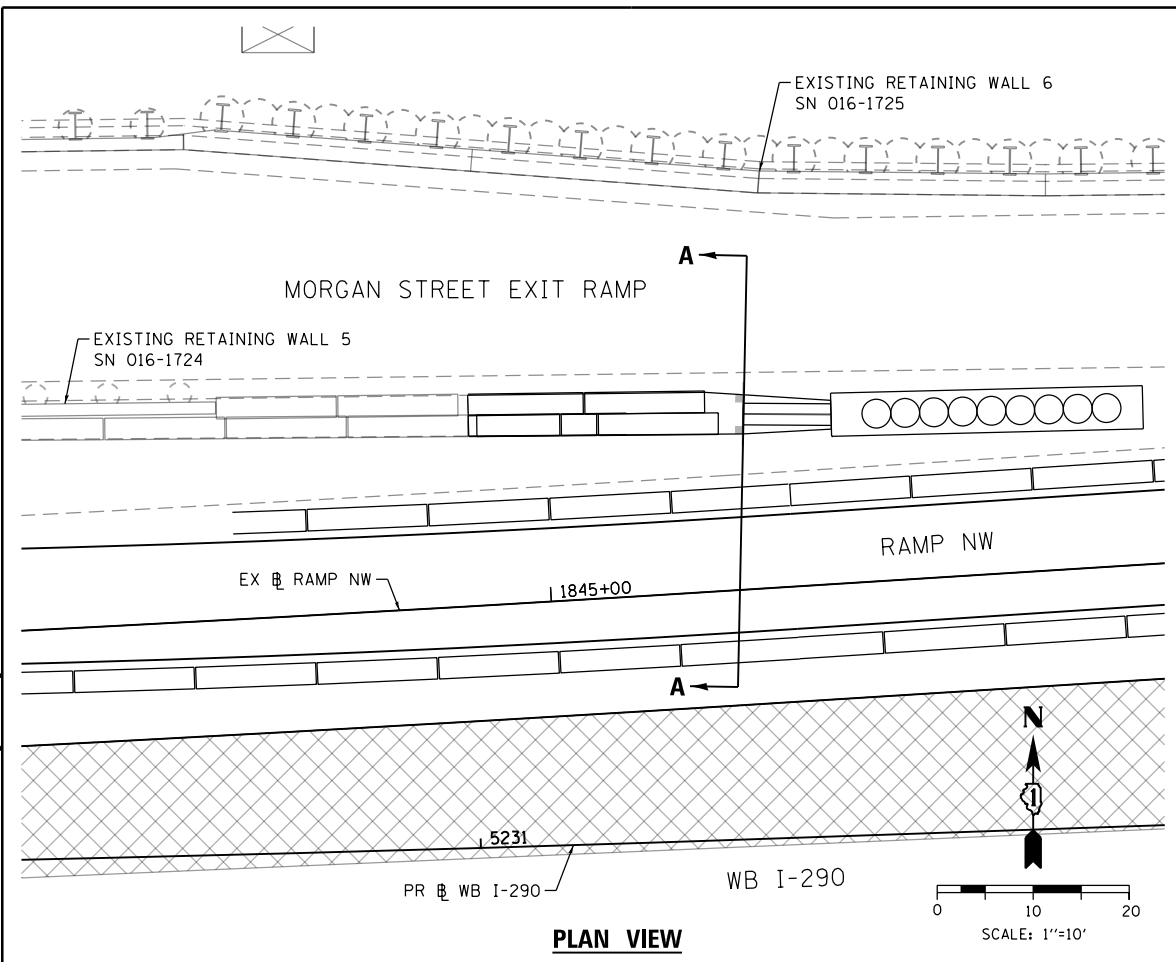


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PLOT DATE = 5/3/2017	DATE - 5/4/2017	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN
 RAMP NW**
 SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 1840+03.18 TO STA. 1844+74.57

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	42
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				



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PLOT DATE = 5/2/2017

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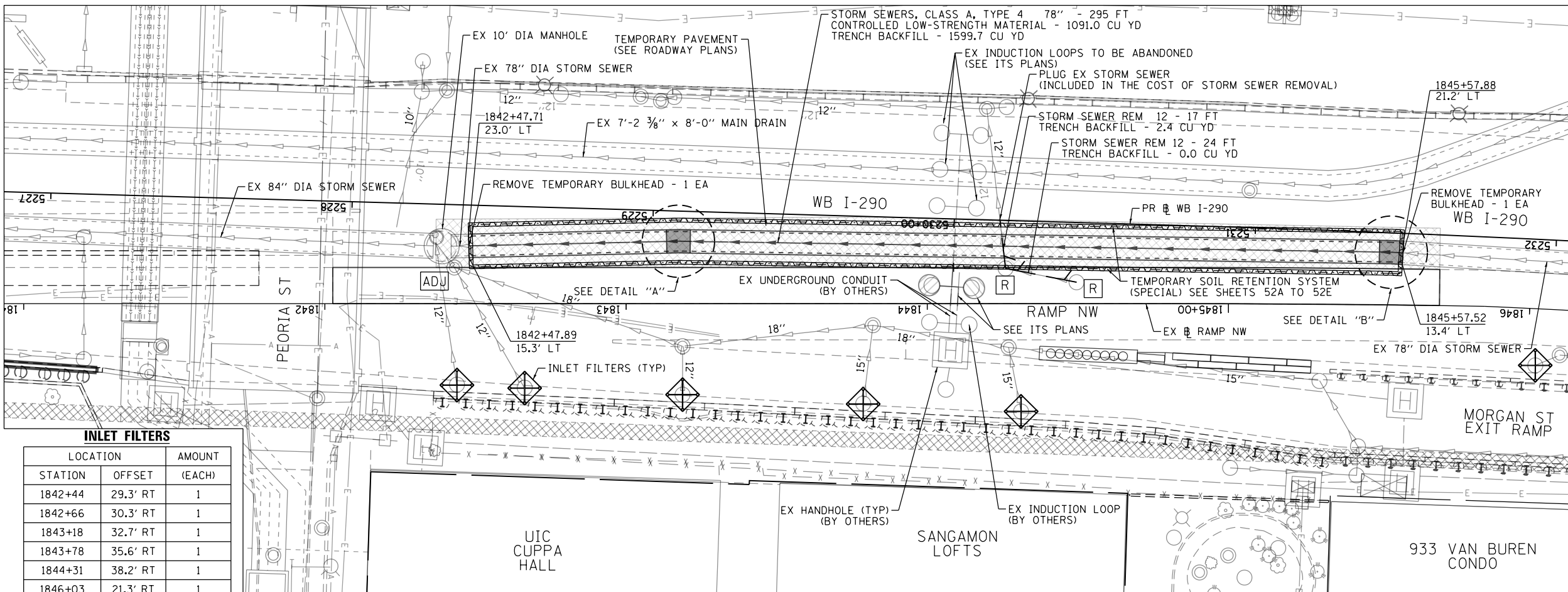
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	43
CONTRACT NO. 62D78				
ILLINOIS FED. AID PROJECT				

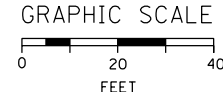
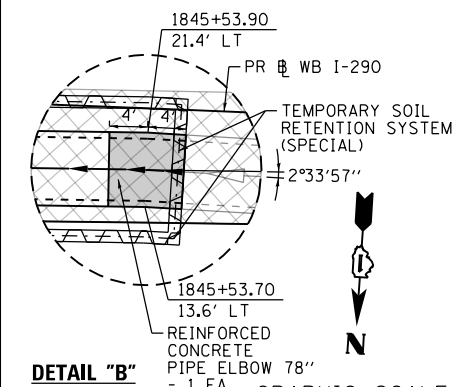
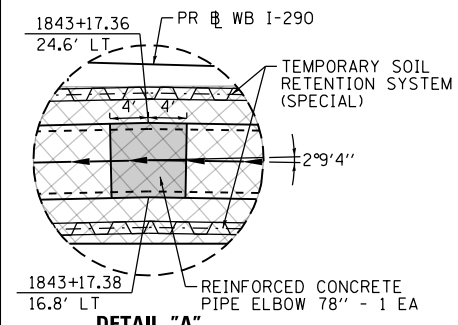
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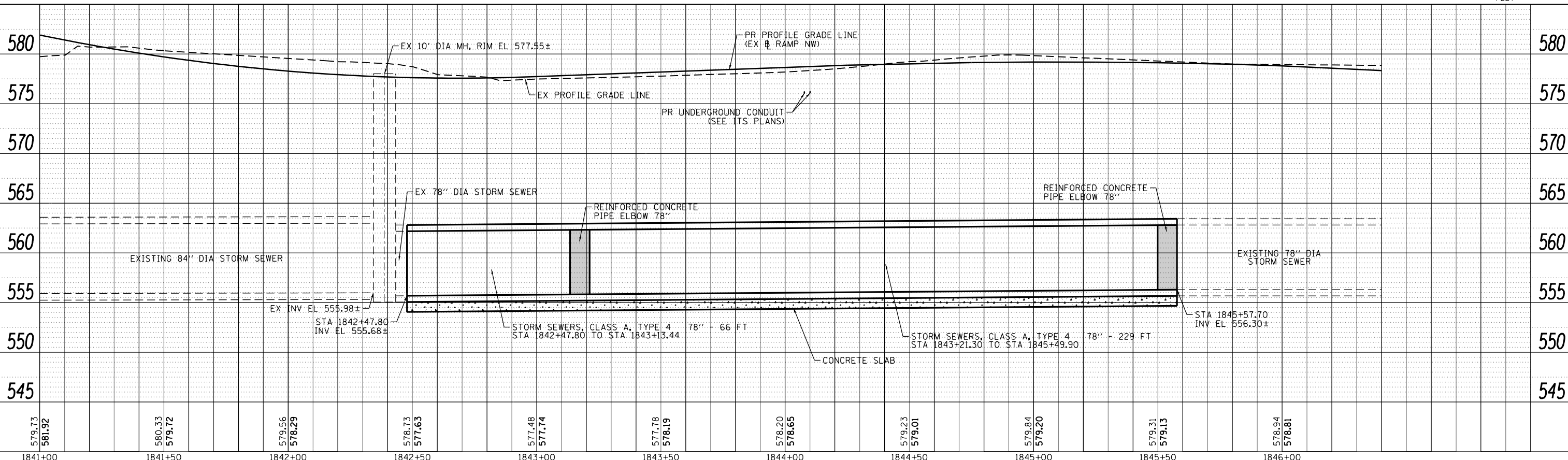
INLET FILTERS

LOCATION	AMOUNT	
STATION	OFFSET	(EACH)
1842+44	29.3' RT	1
1842+66	30.3' RT	1
1843+18	32.7' RT	1
1843+78	35.6' RT	1
1844+31	38.2' RT	1
1846+03	21.3' RT	1
TOTAL		6

- NOTES:**
1. ALL STATIONINGS ARE BASED ON EXISTING RAMP NW UNLESS OTHERWISE NOTED.
 2. A CONCRETE COLLAR SHALL BE PROVIDED TO CONNECT THE STORM SEWER WHERE THE PIPE CONNECTIONS OR BELL AND SPIGOT ENDS ARE INCOMPATIBLE.



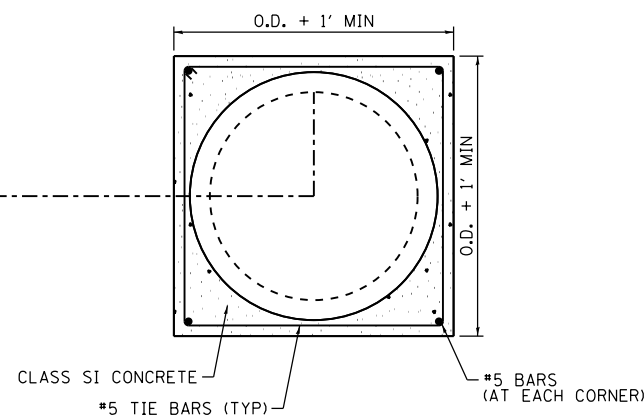
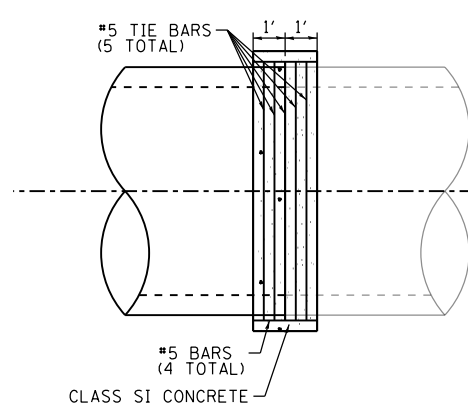
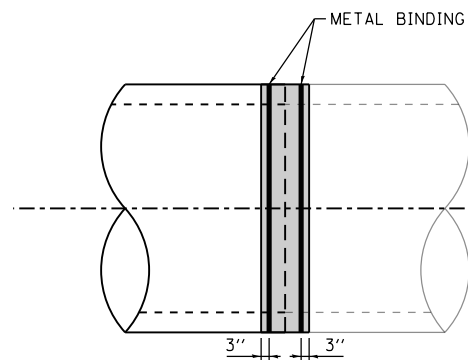
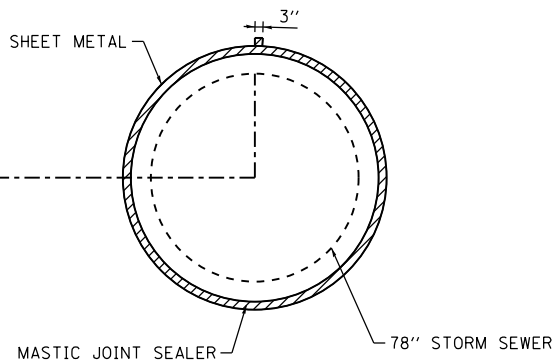
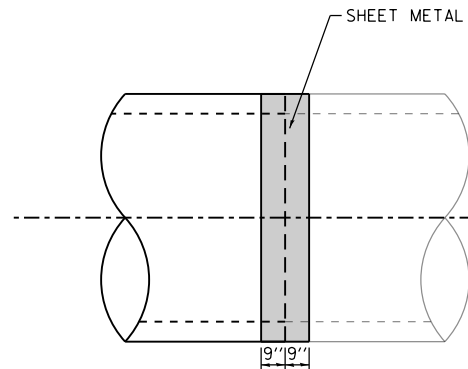
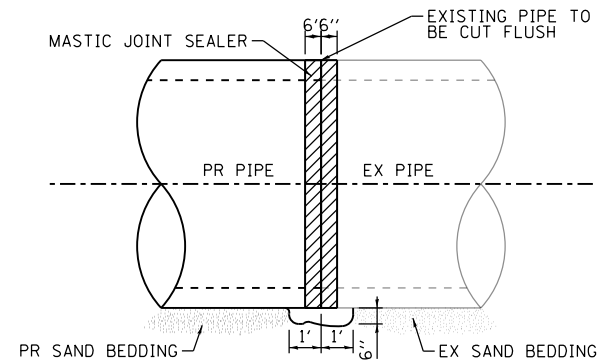
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
	NO.		
	NO.		
	NO.		



AECOM 303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-1700 FAX: (312) 373-6800	D162078-sht-Drain-01 USER NAME = dishevo2 PLOT SCALE = 40.0000' / in. PLOT DATE = 7/21/2017	DESIGNED - AFC DRAWN - AFC CHECKED - MJE DATE - 7/21/2017	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		DRAINAGE PLAN AND PROFILE		F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 45
	SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. TO STA.								CONTRACT NO. 62D78			
	ILLINOIS FED. AID PROJECT											
	ILLINOIS FED. AID PROJECT											

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CONSTRUCTION SEQUENCE

1. AS NECESSARY CUT THE EXISTING END OF THE PIPE TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 1' x 6" DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19, 1.5' WIDE AND THE LENGTH OF THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES. THE INSIDE OF THE PIPES SHALL ALSO BE CLEANED TO AVOID HAVING ANY EXCESS MASTIC JOINT SEALANT.
9. PLACE CLASS SI CONCRETE WITH REINFORCEMENT BARS AROUND THE JOINT.

GENERAL NOTES

1. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
2. CONCRETE COLLAR IS TO BE USED AT THE ENGINEER'S DISCRETION.
3. WHEN THE CONNECTION LOCATION SHOWN ON THE PLANS IS WITHIN 2' OF AN EXISTING JOINT, GO TO THE EXISTING JOINT.
4. CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER PIPE. ALL DEBRIS THAT ENTERS THE SEWER PIPE MUST BE REMOVED. THE SEWER PIPE MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF CONTRACT.
5. ANY DAMAGE TO THE EXISTING PIPE CREATED DURING THE JOINING OF THE EXISTING PIPE OR CONSTRUCTION OF THE CONCRETE COLLAR SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

BILL OF MATERIALS FOR EACH CONCRETE COLLAR

SEWER DIAMETER (IN)	CONCRETE COLLAR (CU YD)	REINFORCEMENT BARS, EPOXY COATED (LBS)
78	2.2	190



D162078-sht-Drain-Detail-01.dgn
 USER NAME = dshevoz
 PLOT SCALE = 6.0000' / in.
 PLOT DATE = 7/19/2017

DESIGNED - AFC
 DRAWN - AFC
 CHECKED - MJE
 DATE - 7/21/2017

REVISED -
 REVISED -
 REVISED -
 REVISED -

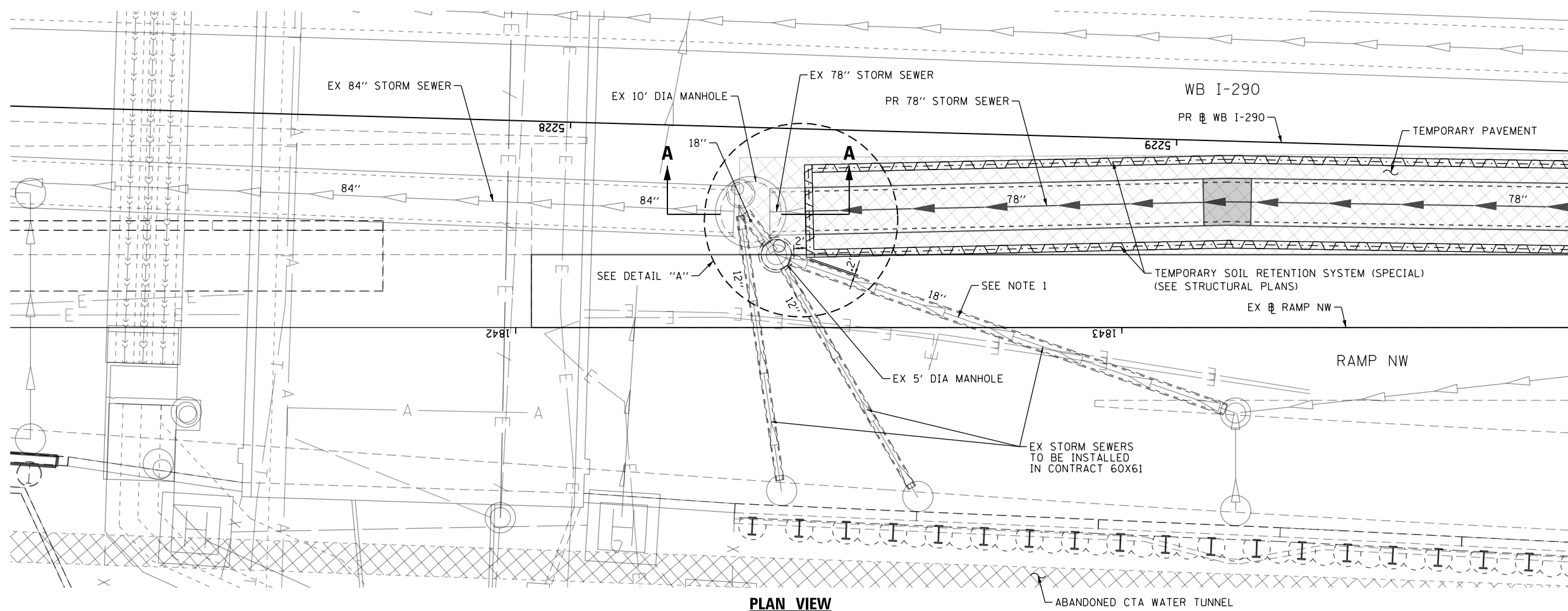
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE DETAILS
 CONCRETE COLLAR**

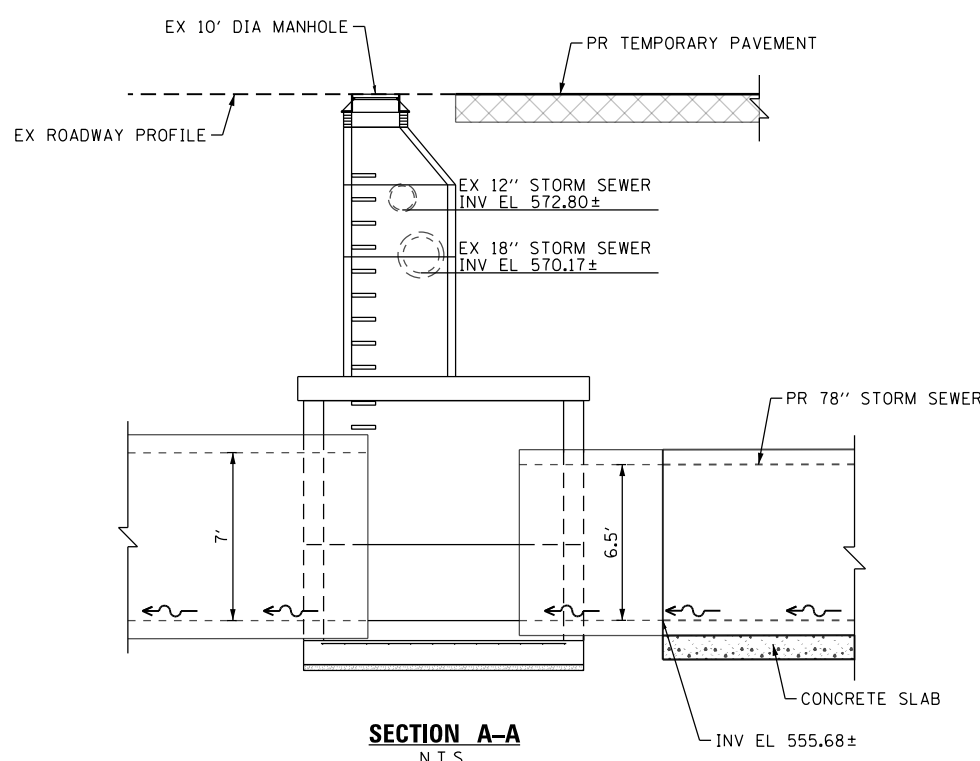
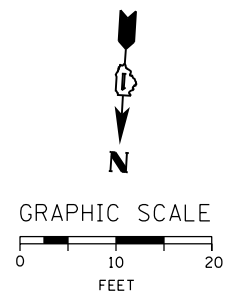
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	46
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

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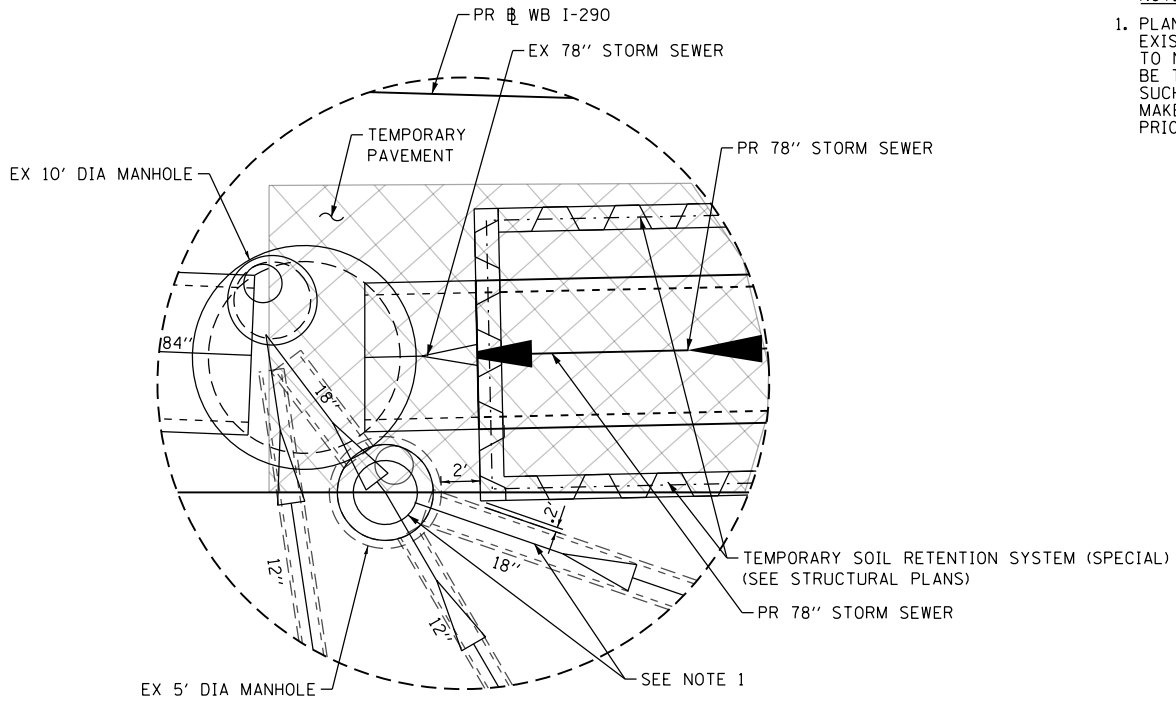


PLAN VIEW



SECTION A-A

N.T.S.



DETAIL "A"

NOTE:
 1. PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURES AND PIPES SHALL BE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE ANY NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS.



D162078-sht-Drain-Detail-02.dgn
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 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 7/21/2017

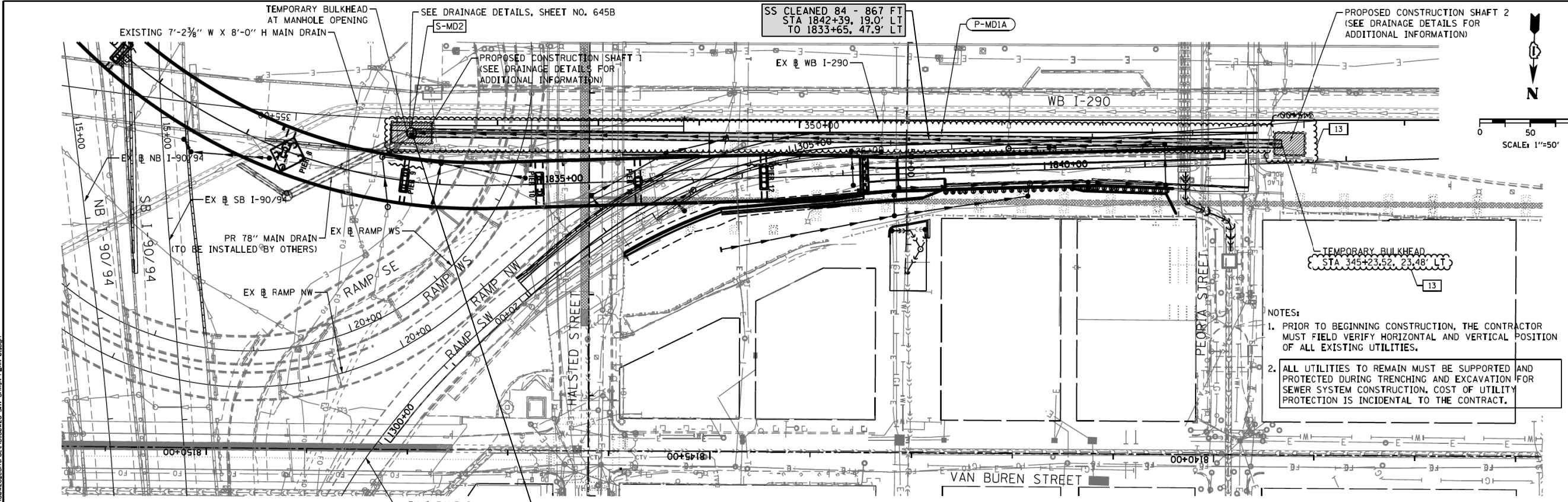
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DRAWN - AFC	REVISED -
CHECKED - MJE	REVISED -
DATE - 7/21/2017	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE DETAILS
 CONNECTIONS TO EXISTING 10' DIAMETER MANHOLE**

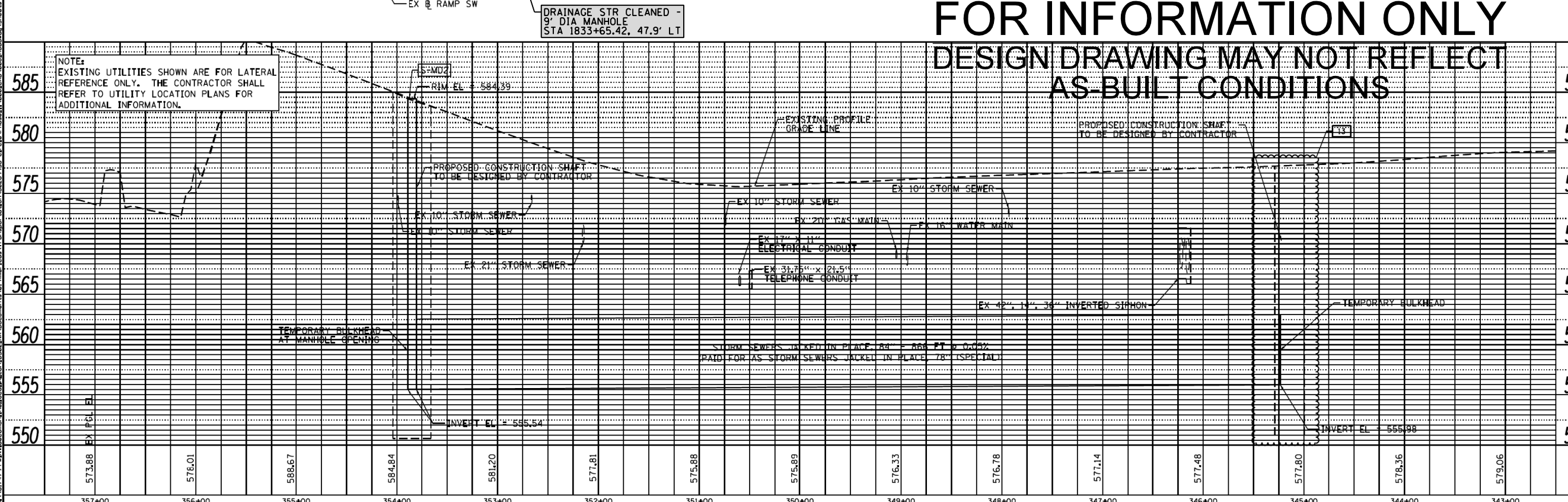
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	47
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				



DATE	BY

DATE	BY



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	CONTRACT NO. 60W28									
	ILLINOIS FED. AID PROJECT									
	ILLINOIS FED. AID PROJECT									

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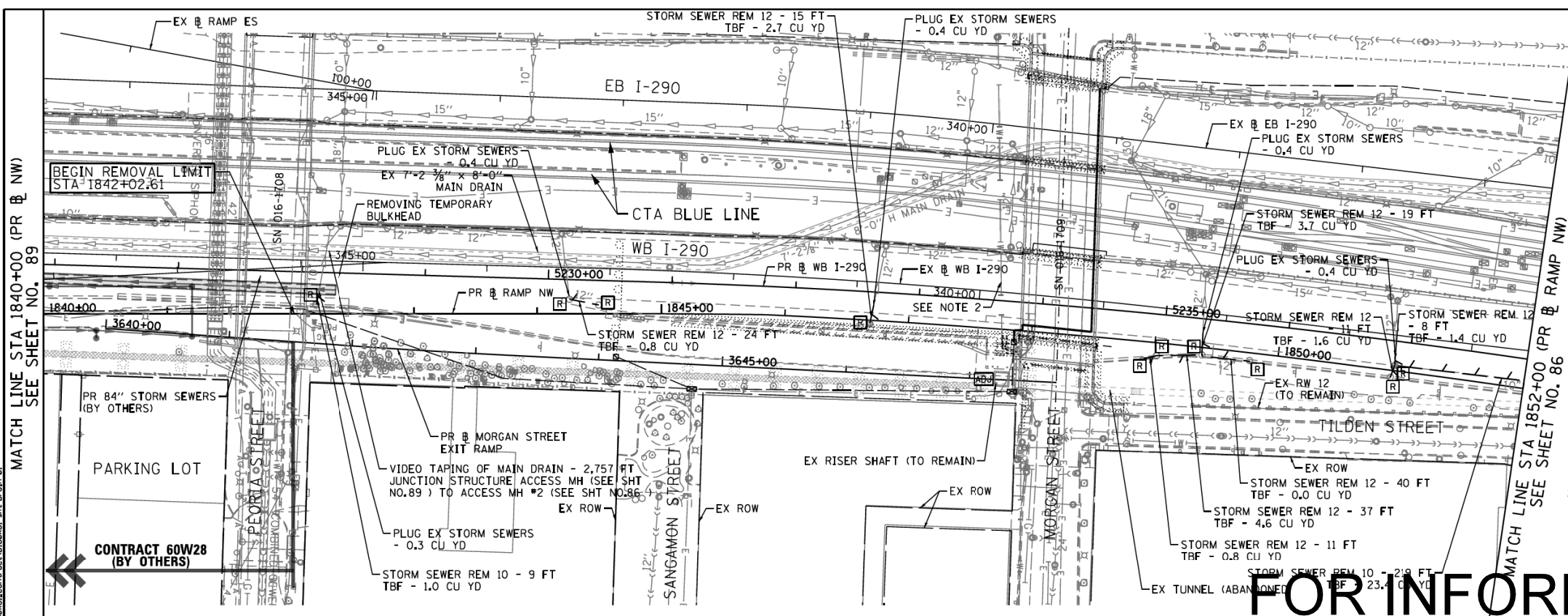
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USER NAME = ChiuA	DRAWN - AFC	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/3/2017	DATE - 5/4/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET 1 OF 6 SHEETS STA. TO STA.
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RECORD PLANS FROM CONTRACT 60W28
 AND CONTRACT 60X61

F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 48
CONTRACT NO. 62D78				
ILLINOIS FED. AID PROJECT				



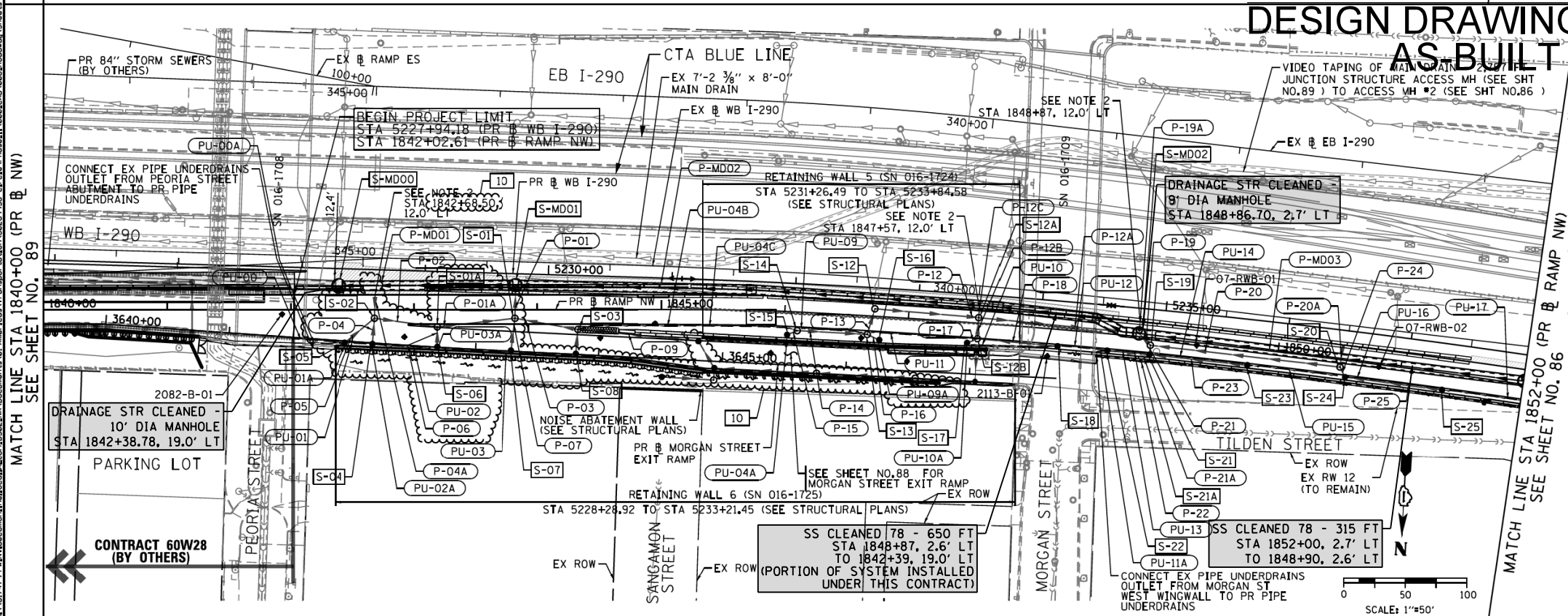
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0 50 100
SCALE: 1"=50'

NOTES:

- PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR MUST FIELD VERIFY HORIZONTAL AND VERTICAL POSITION OF ALL EXISTING UTILITIES.
- ALL UTILITIES TO REMAIN MUST BE SUPPORTED AND PROTECTED DURING TRENCHING AND EXCAVATION FOR SEWER CONSTRUCTION. THE COST OF UTILITY PROTECTION IS INCIDENTAL TO THE CONTRACT.

FOR INFORMATION ONLY
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AS-BUILT CONDITIONS



NOTES:

- SEE SHEET NO.87 FOR PR DRAINAGE PROFILES.
- THE CONTRACTOR SHALL PLUG THE PROPOSED PIPE AND THE COST OF INSTALLATION SHALL BE INCIDENTAL TO THE COST OF THE STORM SEWER.
- FOR SOIL BORINGS, 07-RWB-01 TO 07-RWB-09, SEE RETAINING WALL 7 (SN 016-1726) AND CONCRETE BARRIER (SN 016-2030) PLANS.
- SEE LIGHTING AND ITS PLANS FOR ADDITIONAL PROPOSED UTILITY INFORMATION.
- SEE WATER MAIN REMOVAL AND REPLACEMENT PLAN FOR THE REMOVAL AND REPLACEMENT OF THE 36" WATER MAIN WHERE IT CONFLICTS WITH THE CONSTRUCTION OF THE 78" STORM SEWER.
- THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING TRENCH INSTALLATION FOR STORM SEWERS TO ENSURE THAT CONSTRUCTION ACTIVITIES DO NOT HAVE DETRIMENTAL EFFECTS ON THE MORGAN STREET BRIDGE (SN 016-1709) NORTH ABUTMENT AND THE PARTIAL SECTION OF RETAINING WALL #5 (SN 016-1724) PREVIOUSLY CONSTRUCTED. DETAILS OF THE MORGAN STREET BRIDGE STRUCTURE AND RETAINING WALL ARE INCLUDED IN THE PLANS (FOR INFORMATION ONLY), INCLUDING SUPERSTRUCTURE ELEMENTS THAT MAY INHIBIT WORKING SPACE FOR STORM SEWER CONSTRUCTION. ANY DAMAGE TO THE MORGAN STREET BRIDGE (SN 016-1709) OR THE PARTIAL SECTION OF RETAINING WALL #5 (SN 016-1724) CAUSED BY THE CONTRACTOR IN THE PERFORMANCE OF WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE DEPARTMENT.
- SEE PILE REMOVAL SPECIAL PROVISION FOR TREATMENT OF EXISTING PILES IDENTIFIED TO CONFLICT WITH THE 78" STORM SEWER INSTALLATION.

AECOM
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-1700 FAX: (312) 373-6800

DESIGNED - AFC	REVISED - 4/21/15
DRAWN - AFC	REVISED - 7/15/15
CHECKED - DBM	REVISED - 3/1/16
DATE - 12/05/14	REVISED - 10/7/15/16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED DRAINAGE AND UTILITY PLAN
WB I-290 AUXILIARY LANE**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 1840+00.00 TO STA. 1852+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	85
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

AECOM
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-1700 FAX: (312) 373-6800

DESIGNED - AFC	REVISED -
DRAWN - AFC	REVISED -
CHECKED - MJE	REVISED -
DATE - 5/4/2017	REVISED -

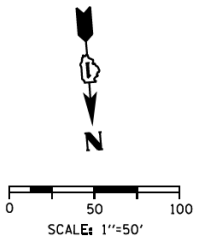
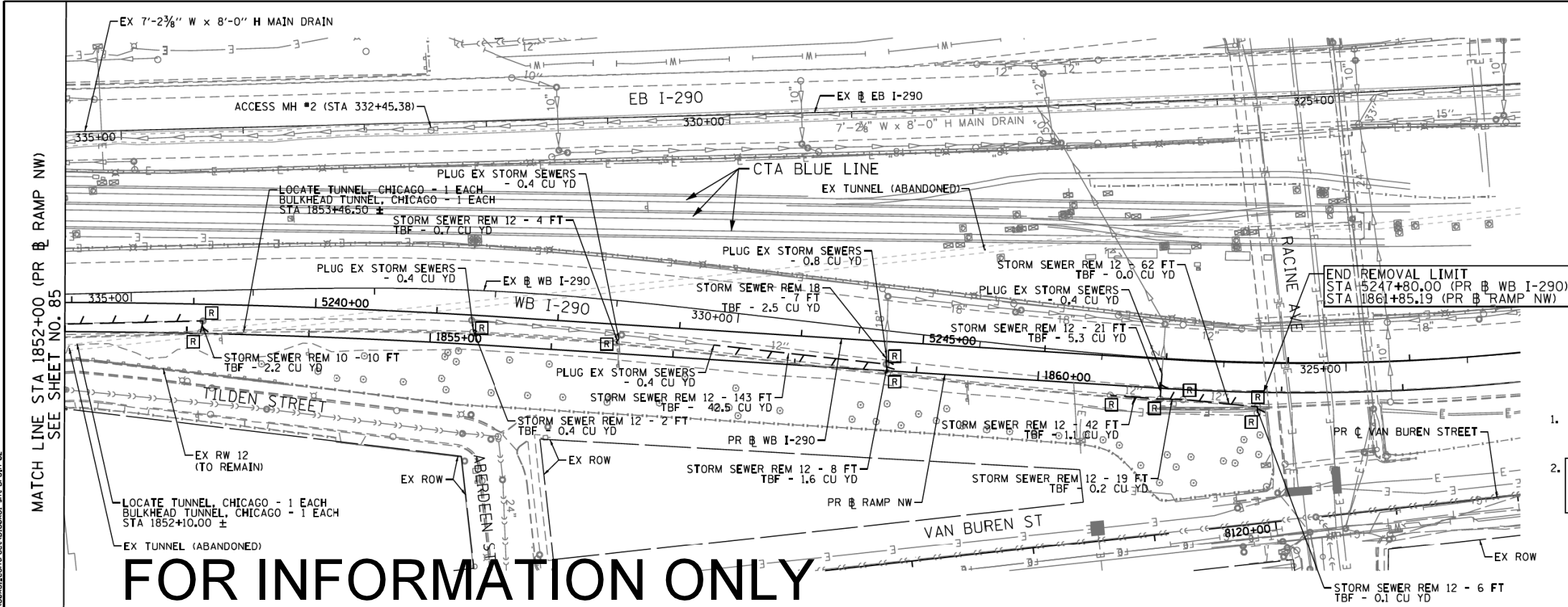
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RECORD PLANS FROM CONTRACT 60W28
AND CONTRACT 60X61**

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	49
CONTRACT NO. 62D78				
ILLINOIS FED. AID PROJECT				

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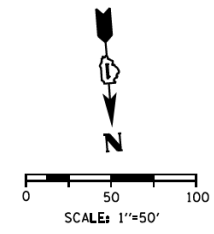
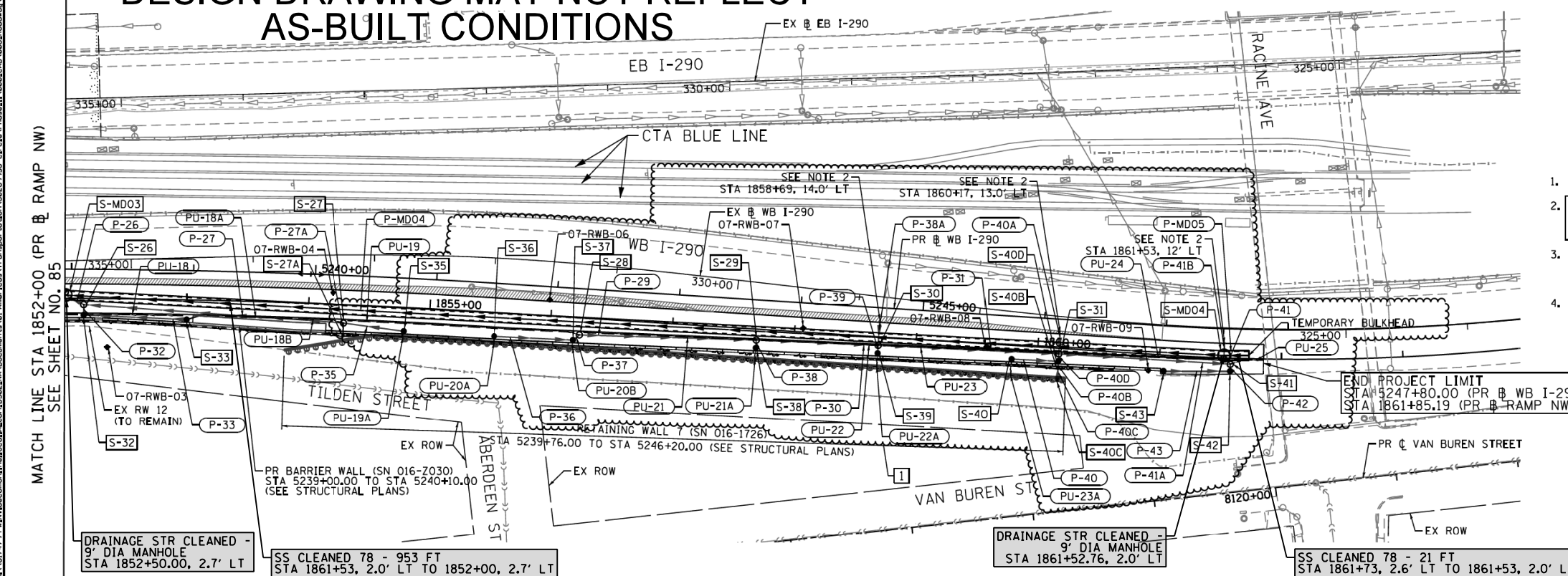


MATCH LINE STA 1852+00 (PR & RAMP NW) SEE SHEET NO. 85

- NOTES:**
1. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR MUST FIELD VERIFY HORIZONTAL AND VERTICAL POSITION OF ALL EXISTING UTILITIES.
 2. ALL UTILITIES TO REMAIN MUST BE SUPPORTED AND PROTECTED DURING TRENCHING AND EXCAVATION FOR SEWER CONSTRUCTION. THE COST OF UTILITY PROTECTION IS INCIDENTAL TO THE CONTRACT.

**FOR INFORMATION ONLY
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AS-BUILT CONDITIONS**

EXISTING



MATCH LINE STA 1852+00 (PR & RAMP NW) SEE SHEET NO. 85

- NOTES:**
1. SEE SHEET NO. 87 FOR PR DRAINAGE PROFILES.
 2. THE CONTRACTOR SHALL PLUG THE PROPOSED PIPE AND THE COST OF INSTALLATION SHALL BE INCIDENTAL TO THE COST OF THE STORM SEWER.
 3. FOR SOIL BORINGS, 07-RWB-01 TO 07-RWB-09, SEE RETAINING WALL 7 (SN 016-1726) AND CONCRETE BARRIER (SN 016-2030) PLANS.
 4. SEE LIGHTING AND ITS PLANS FOR ADDITIONAL PROPOSED UTILITY INFORMATION.

DRAINAGE STR CLEANED - 9' DIA MANHOLE STA 1852+50.00, 2.7' LT
SS CLEANED 78 - 953 FT STA 1861+53, 2.0' LT TO 1852+00, 2.7' LT

DRAINAGE STR CLEANED - 9' DIA MANHOLE STA 1861+52.76, 2.0' LT

SS CLEANED 78 - 21 FT STA 1861+73, 2.6' LT TO 1861+53, 2.0' LT

PROPOSED

AECOM <small>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-1700 FAX: (312) 373-6800</small>	D162078-shd-Drain-82 USER NAME = chiuA PLOT SCALE = 100.0000' / in. PLOT DATE = 4/21/2015	DESIGNED - AFC DRAWN - AFC CHECKED - DBM DATE - 12/17/14	REVISED - 4/21/15 REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED DRAINAGE AND UTILITY PLAN WB I-290 AUXILIARY LANE	F.A.I. RTE. 90/94/290 SECTION 2013-077R COUNTY COOK TOTAL SHEETS 317 SHEET NO. 86	CONTRACT NO. 60X61 ILLINOIS FED. AID PROJECT
	SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 1852+00.00 TO STA. 1861+85.19				SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.		

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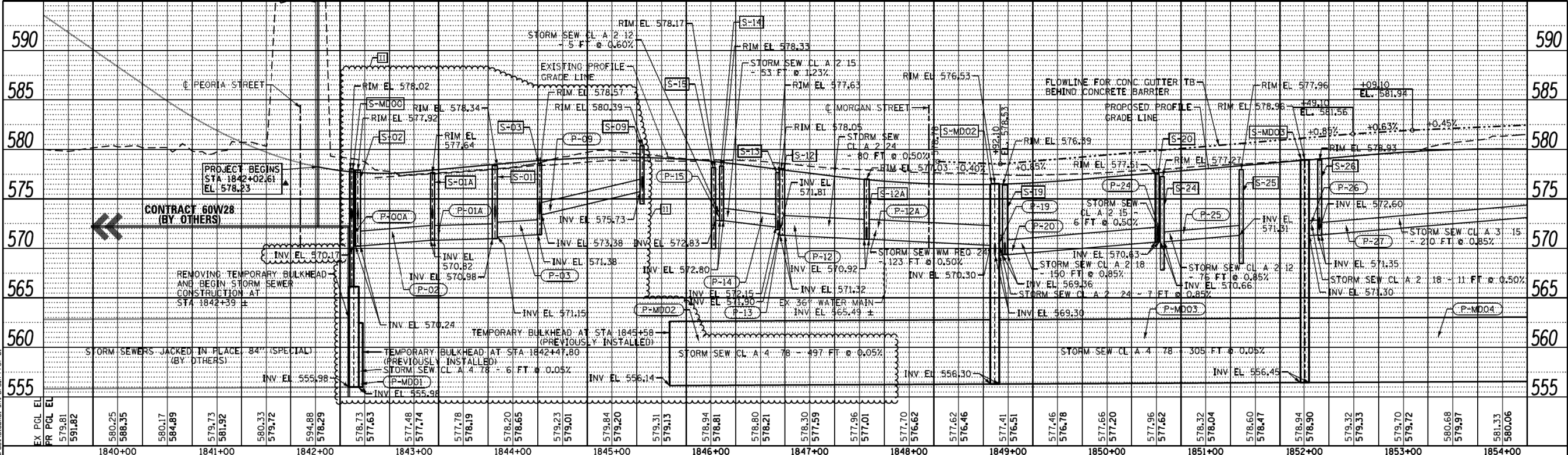
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PLOT SCALE = 40.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/3/2017	DATE - 5/4/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RECORD PLANS FROM CONTRACT 60W28
AND CONTRACT 60X61**

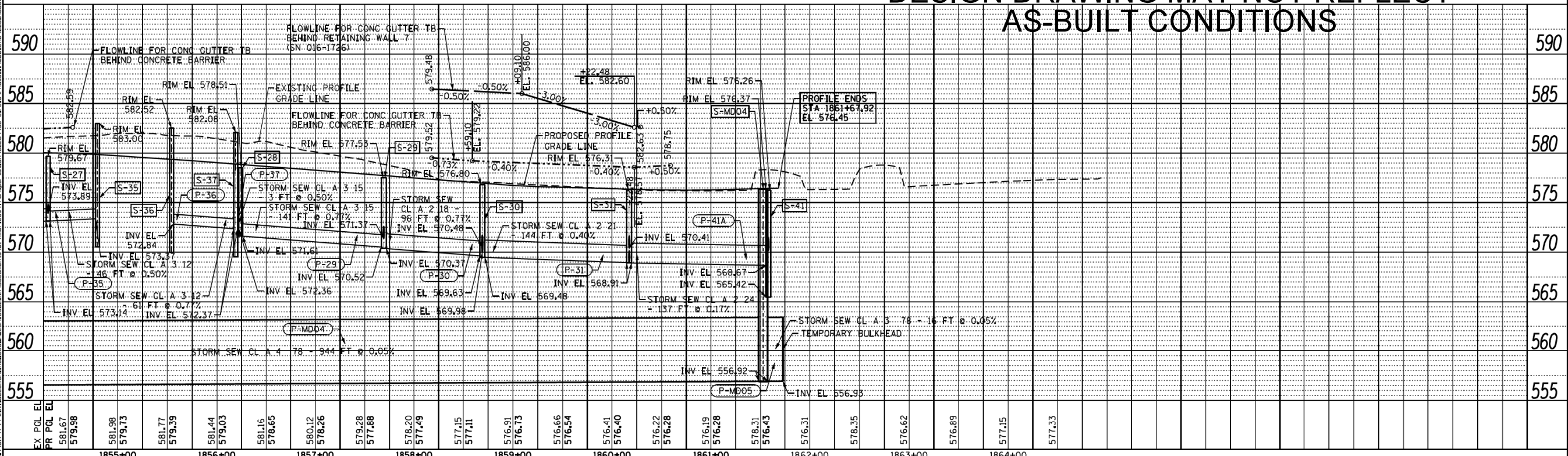
SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 50
CONTRACT NO. 62D78 ILLINOIS FED. AID PROJECT				



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RAMP NW



AECOM 303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-1700 FAX: (312) 373-6800	DESIGNED - AFC DRAWN - AFC CHECKED - DBM DATE - 12/05/14	REVISIONS: <table border="1" style="font-size: small;"> <tr><td>1</td><td>4/21/15</td></tr> <tr><td>9</td><td>6/17/16</td></tr> <tr><td>11</td><td>10/24/16</td></tr> </table>	1	4/21/15	9	6/17/16	11	10/24/16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PROFILE RAMP NW	F.A.I. RTE. 90/94/290 SECTION 2013-077R COUNTY COOK TOTAL SHEETS 317 SHEET NO. 87
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9	6/17/16										
11	10/24/16										

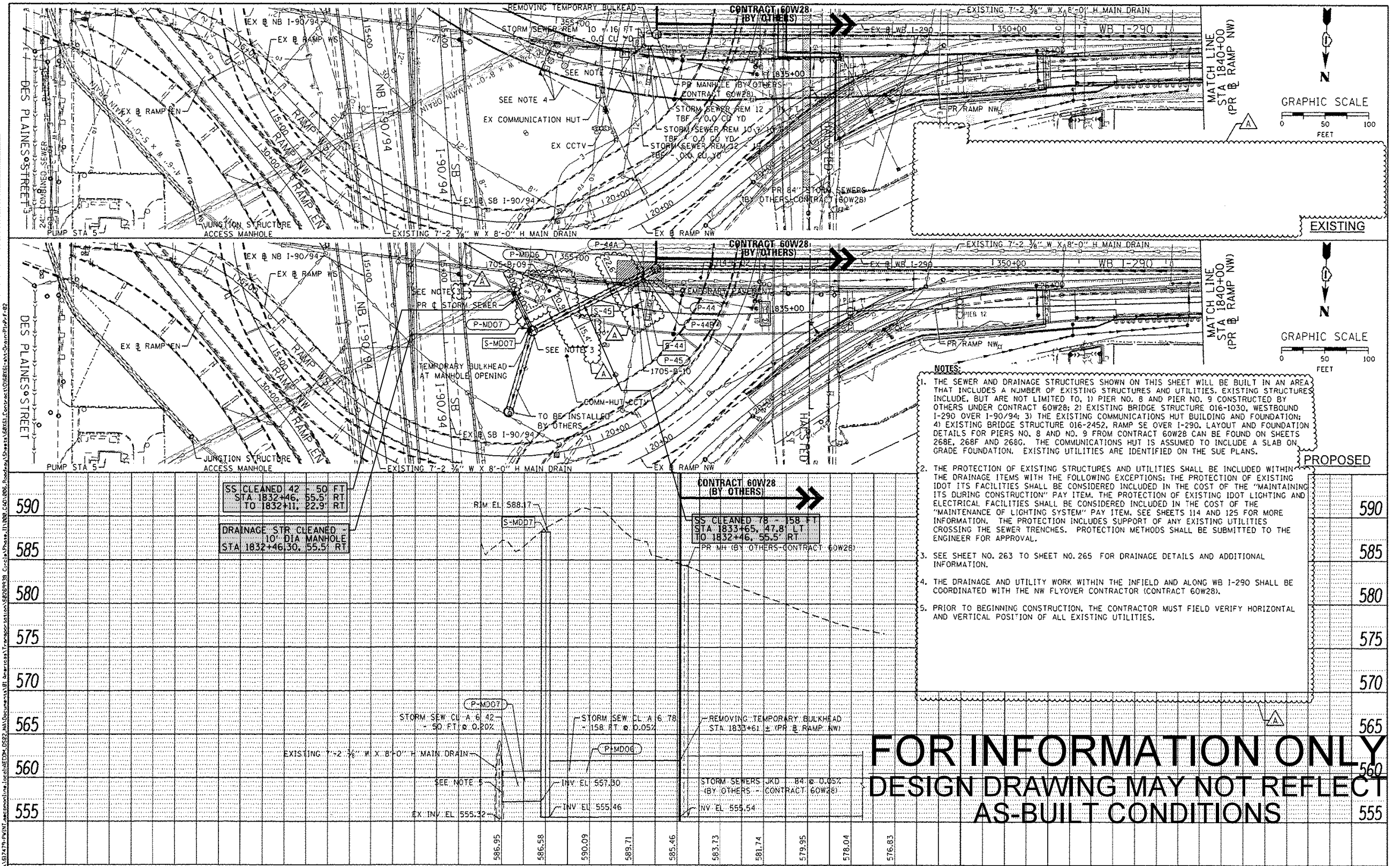
AECOM 303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-1700 FAX: (312) 373-6800	DESIGNED - AFC DRAWN - AFC CHECKED - MJE DATE - 5/4/2017	REVISIONS: <table border="1" style="font-size: small;"> <tr><td>1</td><td>4/21/15</td></tr> <tr><td>9</td><td>6/17/16</td></tr> <tr><td>11</td><td>10/24/16</td></tr> </table>	1	4/21/15	9	6/17/16	11	10/24/16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RECORD PLANS FROM CONTRACT 60W28 AND CONTRACT 60X61	F.A.I. RTE. 90/94/290 SECTION 2016-066T COUNTY COOK TOTAL SHEETS 83 SHEET NO. 50A
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9	6/17/16										
11	10/24/16										

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 CHICAGO, IL 60601-5276
 PHONE: (312) 373-1700 FAX: (312) 373-6800

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DATE	BY
DESIGNED	AFC
DRAWN	AFC
CHECKED	MJE
DATE	5/4/2017

DATE	BY
DESIGNED	AFC
DRAWN	AFC
CHECKED	MJE
DATE	5/4/2017



NOTES:

1. THE SEWER AND DRAINAGE STRUCTURES SHOWN ON THIS SHEET WILL BE BUILT IN AN AREA THAT INCLUDES A NUMBER OF EXISTING STRUCTURES AND UTILITIES. EXISTING STRUCTURES INCLUDE, BUT ARE NOT LIMITED TO, 1) PIER NO. 8 AND PIER NO. 9 CONSTRUCTED BY OTHERS UNDER CONTRACT 60W28; 2) EXISTING BRIDGE STRUCTURE 016-1030, WESTBOUND I-290 OVER I-90/94; 3) THE EXISTING COMMUNICATIONS HUT BUILDING AND FOUNDATION; 4) EXISTING BRIDGE STRUCTURE 016-2452, RAMP SE OVER I-290. LAYOUT AND FOUNDATION DETAILS FOR PIERS NO. 8 AND NO. 9 FROM CONTRACT 60W28 CAN BE FOUND ON SHEETS 268E, 268F AND 268G. THE COMMUNICATIONS HUT IS ASSUMED TO INCLUDE A SLAB ON GRADE FOUNDATION. EXISTING UTILITIES ARE IDENTIFIED ON THE SURVEY PLANS.
2. THE PROTECTION OF EXISTING STRUCTURES AND UTILITIES SHALL BE INCLUDED WITHIN THE DRAINAGE ITEMS WITH THE FOLLOWING EXCEPTIONS: THE PROTECTION OF EXISTING IDOT ITS FACILITIES SHALL BE CONSIDERED INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM. THE PROTECTION OF EXISTING IDOT LIGHTING AND ELECTRICAL FACILITIES SHALL BE CONSIDERED INCLUDED IN THE COST OF THE "MAINTENANCE OF LIGHTING SYSTEM" PAY ITEM. SEE SHEETS 114 AND 125 FOR MORE INFORMATION. THE PROTECTION INCLUDES SUPPORT OF ANY EXISTING UTILITIES CROSSING THE SEWER TRENCHES. PROTECTION METHODS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
3. SEE SHEET NO. 263 TO SHEET NO. 265 FOR DRAINAGE DETAILS AND ADDITIONAL INFORMATION.
4. THE DRAINAGE AND UTILITY WORK WITHIN THE INFELD AND ALONG WB I-290 SHALL BE COORDINATED WITH THE NW FLYOVER CONTRACTOR (CONTRACT 60W28).
5. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR MUST FIELD VERIFY HORIZONTAL AND VERTICAL POSITION OF ALL EXISTING UTILITIES.



DESIGNED - AFC	REVISED - 2/13/15
DRAWN - AFC	REVISED -
CHECKED - DBM	REVISED -
DATE - 12/05/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN AND PROFILE
78" MAIN DRAIN AT INFELD
SCALE: 1" = 50'
SHEET 1 OF 1 SHEETS STA. 1830+00.00 TO STA. 1840+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	89

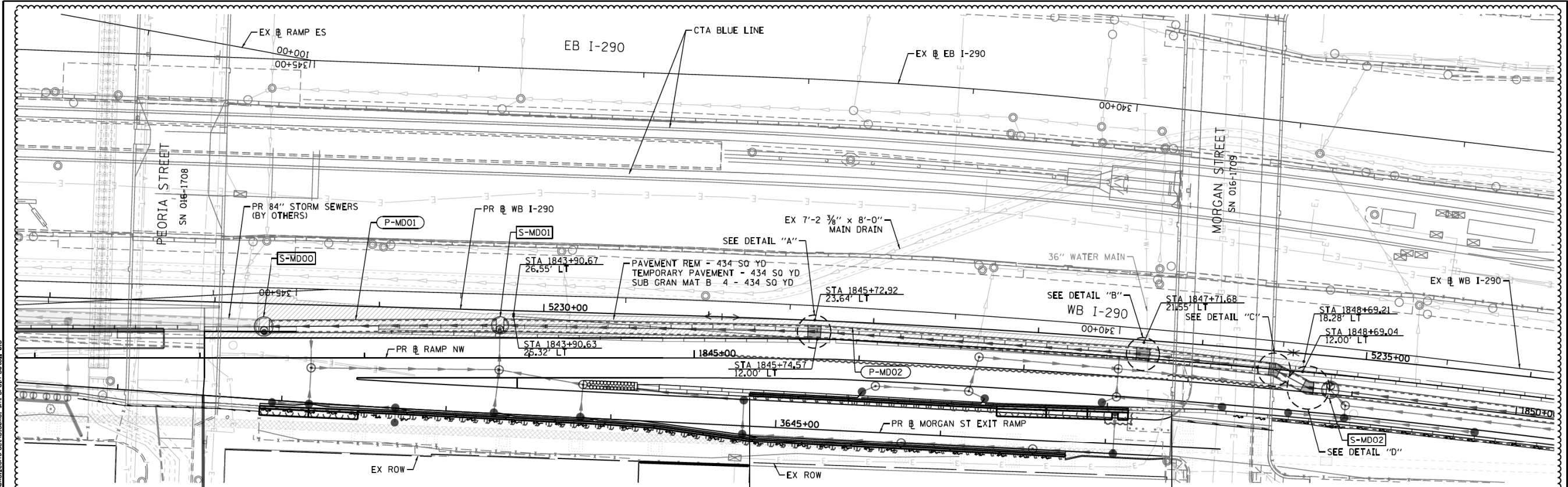


DESIGNED - AFC	REVISED -
DRAWN - AFC	REVISED -
CHECKED - MJE	REVISED -
DATE - 5/4/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

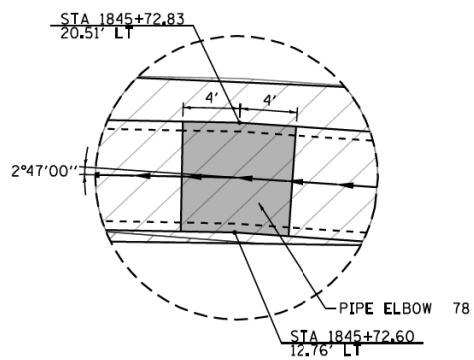
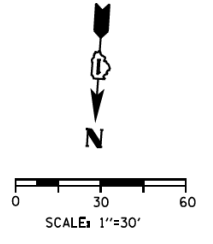
RECORD PLANS FROM CONTRACT 60W28
AND CONTRACT 60X61
SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	51

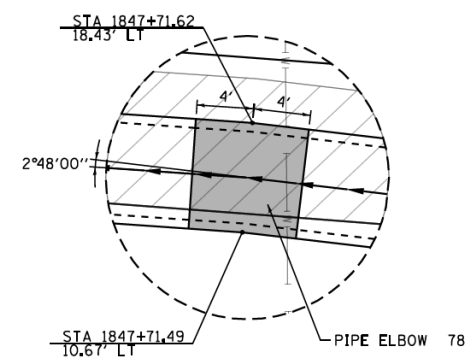


CONTRACT 60W28
(BY OTHERS)

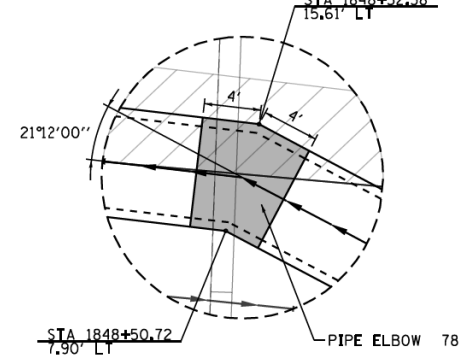
RETAINING WALL 5 (SN 016-1724)
(SEE STRUCTURAL PLANS)



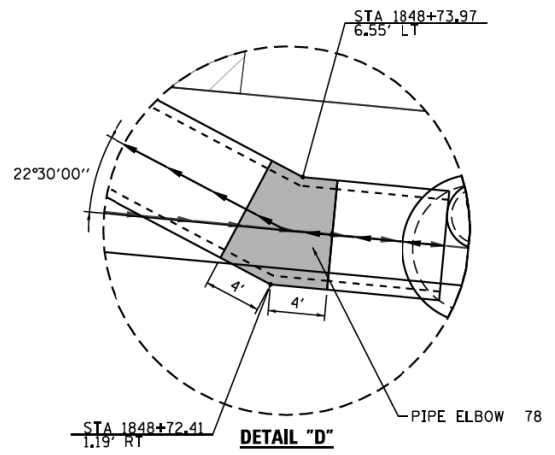
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

FOR INFORMATION ONLY
DESIGN DRAWING MAY NOT REFLECT
AS-BUILT CONDITIONS

- NOTES:**
- STATIONING IS BASED ON PR @ RAMP NW UNLESS OTHERWISE NOTED.
 - REVISED MAIN DRAIN ALIGNMENT REQUIRES ADDITIONAL PAVEMENT REM, TEMP PAVEMENT AND SUB GRAN MAT B 4. THE STATIONING AND OFFSETS FOR THIS WORK IS INCLUDED ON THIS DETAIL.



D162078-shd-Drain-Details-01B	DESIGNED - AFC	REVISED - [6] 3/1/16
USER NAME = chluo	DRAWN - AFC	REVISED -
PLOT SCALE = 60.0000' / 1"	CHECKED - DBM	REVISED -
PLOT DATE = 2/27/2016	DATE - 12/05/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAILS	
78" MAIN DRAIN PIPE ELBOW DETAILS	
SCALE: 1" = 30'	SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	412	264A
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				



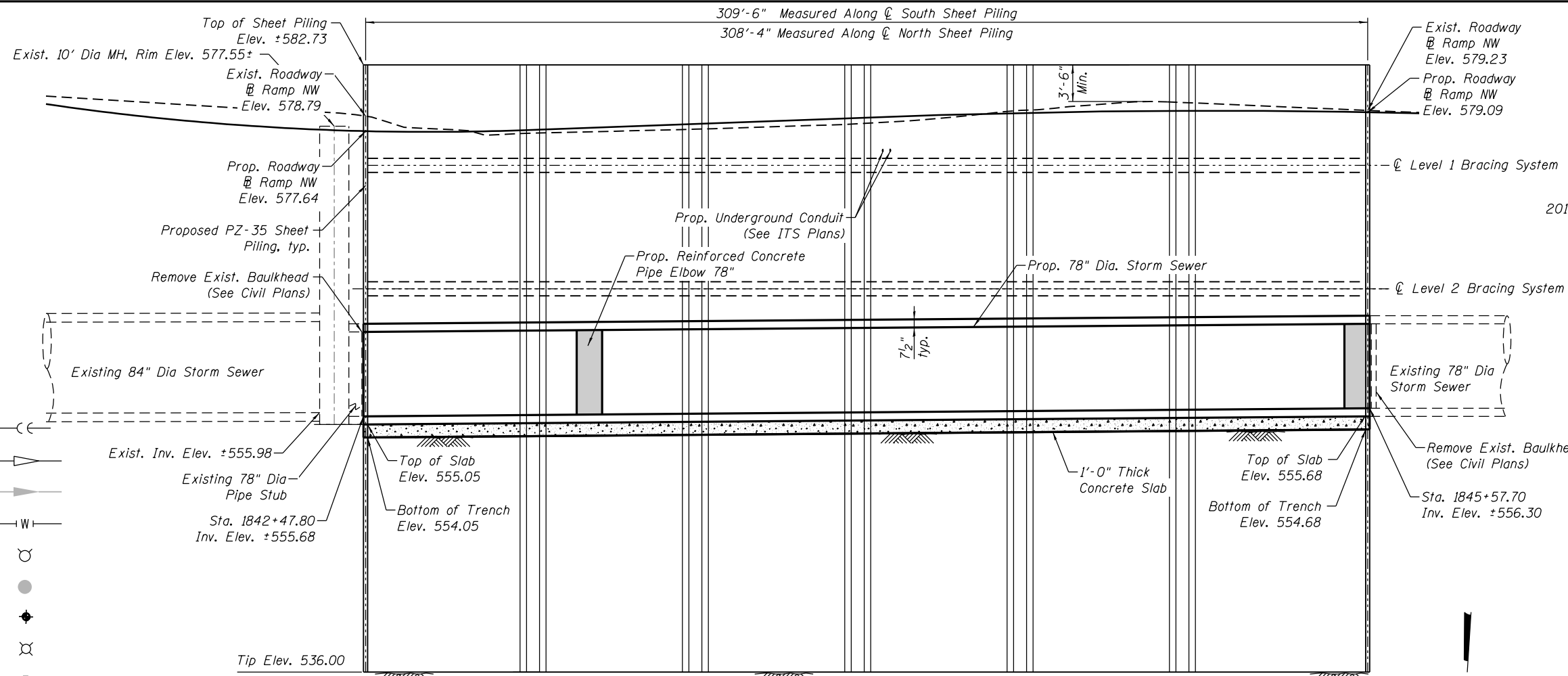
D162078-shd-REC-05.dgn	DESIGNED - AFC	REVISED -
USER NAME = dshevoz	DRAWN - AFC	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - MJE	REVISED -
PLOT DATE = 5/3/2017	DATE - 5/4/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RECORD PLANS FROM CONTRACT 60W28 AND CONTRACT 60X61	
SCALE:	SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	52
CONTRACT NO. 62D78				
ILLINOIS FED. AID PROJECT				

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DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi (concrete)
 $f_y = 50,000$ psi (Struct. Steel)

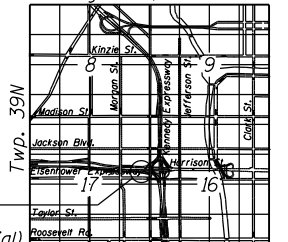
DESIGN LOADING

Max. Live Load Surcharge = 550 psf
 Building Surcharge = 3000 psf

DESIGN SPECIFICATIONS

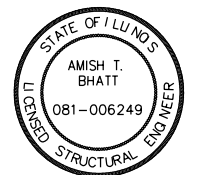
2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 & 2016 Interims

Range 14E, 3rd P.M.



Temporary Soil Retention System (Special)

LOCATION SKETCH



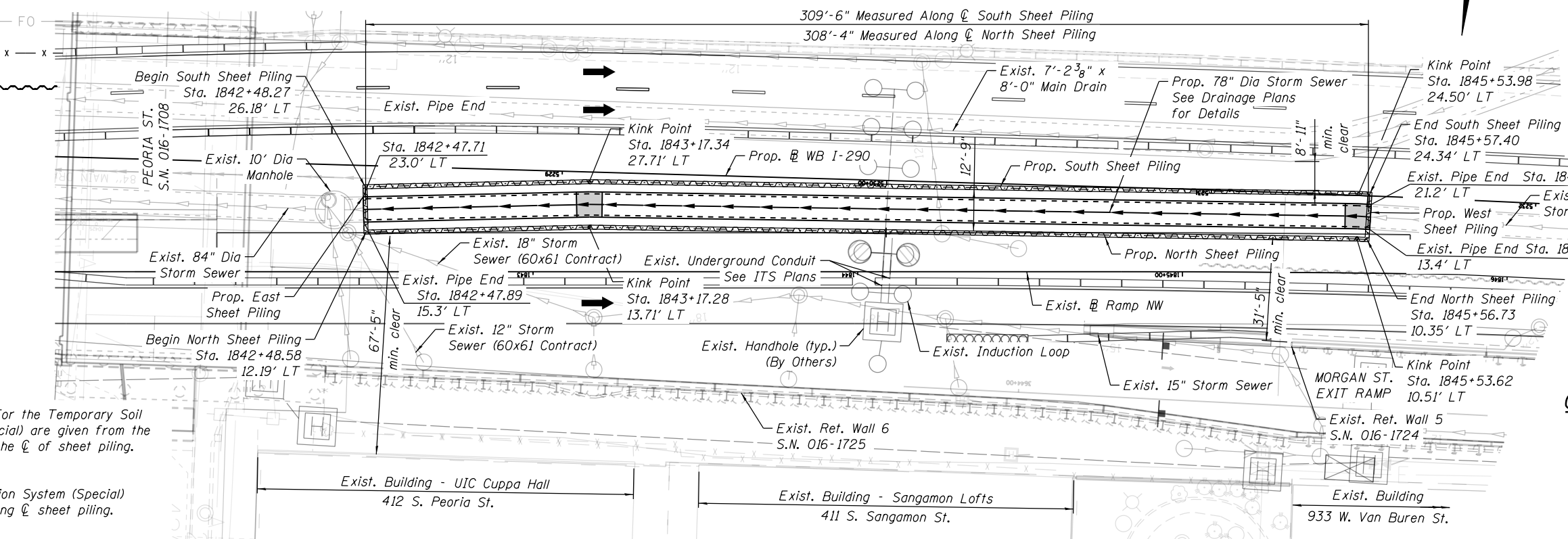
Amish T. Bhatt
AMISH T. BHATT
 LICENSE EXPIRES 11/30/2018 DATE 7/21/2017

LEGEND:

- Combined Sewer
- Exist. Storm Sewer
- Prop. Storm Sewer
- Water Line
- Fire Hydrant
- Prop. catchbasin
- Boring Log/Soil Test
- Light Pole
- Exist. Electric Cable
- Prop. Lighting Cable
- Fiber Optic
- Exist. Fence
- Soil Retention System

ELEVATION

(Looking South)



PLAN

NOTES:

1. Stations and Offsets for the Temporary Soil Retention System (Special) are given from the Exist Ramp NW to the \O of sheet piling.
2. Temporary Soil Retention System (Special) length is measured along \O sheet piling.
3. For boring logs & boring location plans, see sheets 53 thru 62.

GENERAL PLAN AND ELEVATION

TEMPORARY SOIL RETENTION

SYSTEM (SPECIAL)

F.A.I. RTE. 290

(EISENHOWER EXPRESSWAY)

SECTION 2016-066T

COOK COUNTY

	USER NAME = vasudevana	DESIGNED - AV	REVISOR	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION TEMPORARY SOIL RETENTION SYSTEM (SPECIAL)	F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 52A
	PLOT SCALE = N.T.S.	DRAWN - GF	REVISOR			SHEET NO. 62D78				
	PLOT DATE = 7/21/2017	CHECKED - ATB	REVISOR			CONTRACT NO. 62D78				

62D78-RW01-CPE

GENERAL NOTES

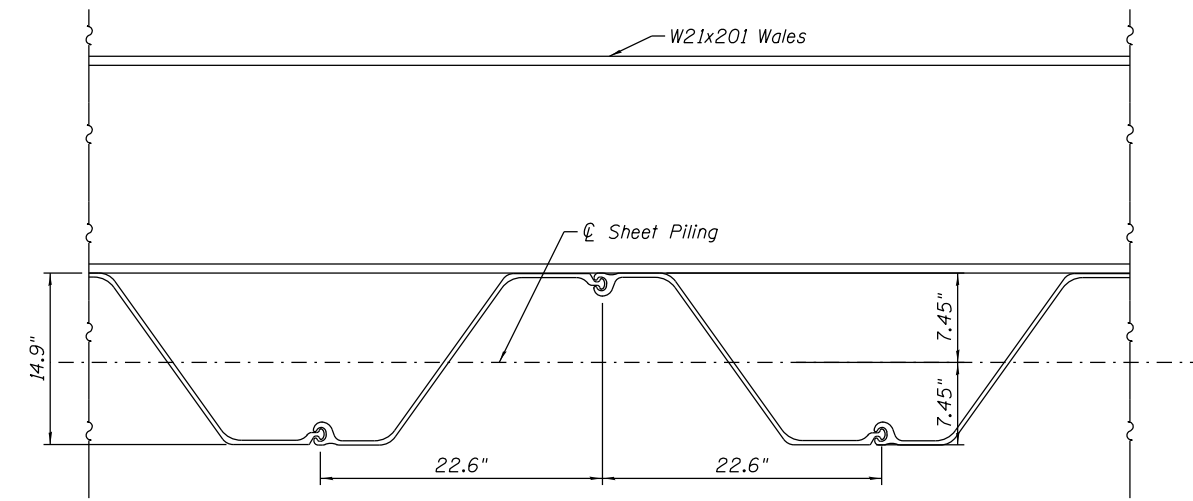
- Construction of the soil retention system shall be as per Special Provisions for Temporary Soil Retention System (Special).
- Stations and Offsets for the Temporary Soil Retention System (Special) are given from the Exist \varnothing Ramp NW to the \varnothing Sheet Piling.
- Temporary Soil Retention System (Special) length is measured along \varnothing Sheet Piling.
- Unless otherwise noted, all structural shapes and steel plates shall be AASHTO M 270 Grade 50. Sheet pile shall be ASTM A 572 Grade 50 (min.).
- Approximate calculated weight of Structural Steel = 306,027 lbs. (Grade 50).
- The Contractor shall field verify location of exist. utilities and shall take all precautions to protect exist. utilities during the construction of the retention system. Any damage to the exist. utilities shall be responsibility of the Contractor.
- The Contractor shall exercise extreme caution during construction to make certain that construction activities, live load surcharge and other loads applied to the soil retention system will not have detrimental effects on the adjacent buildings, utilities and retaining wall foundations. See Special Provision for Construction Vibration Monitoring.
- Plan dimensions and details relative to existing installed pipe and drainage structures 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. See special provisions for Temporary Soil Retention System (Special).
- The contractor shall provide vibration and displacement monitoring at the locations specified in the Special Provision for Construction Vibration Monitoring, to ensure that construction activities do not have detrimental effects on building foundations. No additional compensation shall be provided to the Contractor for alternative means and methods, or additional precautionary measures, required during construction activities to satisfy these requirements. See Contract Special Provisions for details.
- The contractor shall provide access, barricading and fall protection in accordance with applicable OSHA guidelines as required during the construction and as deemed necessary by the Engineer. The contractor shall ensure that the sheet piling, wales and struts are properly installed prior to entering the excavation area.
- The retention system shall be installed in a manner that ensures soils are fully supported during all phases of work and that no voids exist between sheet piles and existing soils.
- Contractor shall install wales and struts prior to excavation proceeding beyond 2'-0" below the centerline of each wale level.
- Limited groundwater elevation data is available in the boring logs. In addition, groundwater may also be present in deeper granular layers. The groundwater may rise in the excavation to an elevation above the top of granular layers. The Contractor shall consider this information when selecting equipment and construction methods. The contractor will not be compensated for issues related to the groundwater elevation.
- Groundwater level shall be maintained at or below the excavation elevation at all times. If a dewatering system is necessary, and as required by the Engineer, the Contractor is responsible for developing, installing, maintaining and monitoring the dewatering system and verifying that the groundwater level behind the sheet piling has been lowered to the excavation elevation.
- Any storage of construction equipment and/or material behind the Temporary Soil Retention System (Special) is not allowed.
- Contractor shall not support any construction equipment and/or material from any elements of Temporary Soil Retention System (Special).
- Prior to installation of the Temporary Soil Retention System (Special), the Contractor shall obtain a minimum of two test holes, maximum 6" \varnothing , at East and West ends of the proposed work to accurately locate the ends of the existing sewer pipe so that sheet piling can be installed precisely at the ends of the existing pipe without damaging the existing pipe. Precise installation of sheet piling is required for the connection of proposed 78" \varnothing pipe to the existing sewer pipe. See special provisions for Temporary Soil Retention System (Special).
- Contractor shall develop details for the opening in the sheet piling and soil support system for the proposed 78" \varnothing sewer pipe connection to the existing sewer pipe. Contractor shall provide drawings and structural calculations, prepared and sealed by Illinois Licensed Structural Engineer, to the Engineer for review and approval. See special provisions for Temporary Soil Retention System (Special).
- Contractor is responsible for any modifications to the Temporary Soil Retention System (Special). The Contractor shall submit details of any modifications along with structural calculations, prepared and sealed by Illinois Licensed Structural Engineer, for review and approval prior to commencing any work or ordering material.
- Temporary Soil Retention System (Special) is designed to support a maximum live load surcharge of 550 psf. The Contractor is responsible for selection of equipment and means and methods such that the live load surcharge does not exceed max. specified value. Prior to commencing the construction work, Contractor shall submit detailed construction procedures and intended equipment for Engineer's review and approval. Such approval will not relieve Contractor's responsibility for successful and safe execution of the work. Finding suitable equipment and procedures shall not be paid separately but shall be considered included with Temporary Soil Retention System (Special).
- Sheet piling shall be installed without the use of impact-type pile drivers. The proposed equipment and procedures used for the installation shall be submitted to the Engineer for approval prior to their use. If vibratory equipment is utilized, the Contractor shall also submit documentation regarding the operating noise levels and operating vibration characteristics of the equipment proposed. The approval of the equipment and procedure by the Engineer does not guarantee the performance in the field of the equipment will be acceptable. If in the judgment of the Engineer, the noise and/or vibration effects exceed established requirements, then the Contractor must halt production and find a remedy suitable to the Engineer. Threshold values for vibration monitoring are included in the special provision "CONSTRUCTION VIBRATION MONITORING". The costs incurred for finding suitable equipment and procedures shall be the responsibility of the Contractor at no additional cost to the Department.
- For boring logs and boring location plans see sheets 53 thru. 62.

TOTAL BILL OF MATERIAL

Description	Unit	Total
Temporary Soil Retention System (Special)	Sq. Ft.	16,146

INDEX OF SHEETS

- RW-01 General Plan and Elevation
- RW-02 General Notes, Total Bill of Materials and Index of Sheets
- RW-03 Soil Retention System Layout
- RW-04 Typical Sections
- RW-05 Details



PZ-35 TYPICAL SECTION

CONSTRUCTION SEQUENCE

- Locate all underground utilities and structures. Relocate and/or protect utilities as required by the contract drawings and specifications.
- Install sheet piling to the designed tip elevation shown in the plans.
- Excavate to install Level 1 Bracing system. Maximum depth of excavation shall be 2'-0" below the \varnothing Level 1 Bracing system.
- Install Level 1 Bracing system (wales and struts).
- Excavate to install Level 2 Bracing system. Maximum depth of excavation shall be 2'-0" below the \varnothing Level 2 Bracing system.
- Install Level 2 Bracing system (wales and struts).
- Excavate to the bottom of trench elevation.
- Construct 1'-0" thick unreinforced concrete slab between inside faces of sheet piling.
- After the concrete slab has achieved its design strength, cut openings in sheet piling as per approved design and procedures for the proposed 78" \varnothing pipe connection to the existing sewer pipe.
- Install proposed 78" \varnothing sewer as per plans and special provisions.
- Install CLSM backfill within the entire length of trench as per plans and special provisions. CLSM backfill shall be from top of concrete slab elevation to 1'-0" above the Level 2 Bracing system elevation. Sheet pile, wales and struts shall remain in place.
- Complete remaining backfill operations within the entire trench with trench backfill as per plans and special provisions. Sheet pile, wales and struts shall remain in place.

62D78-RW02-CenNotesIndex



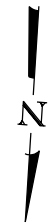
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PLOT DATE = 7/21/2017	CHECKED - ATB	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

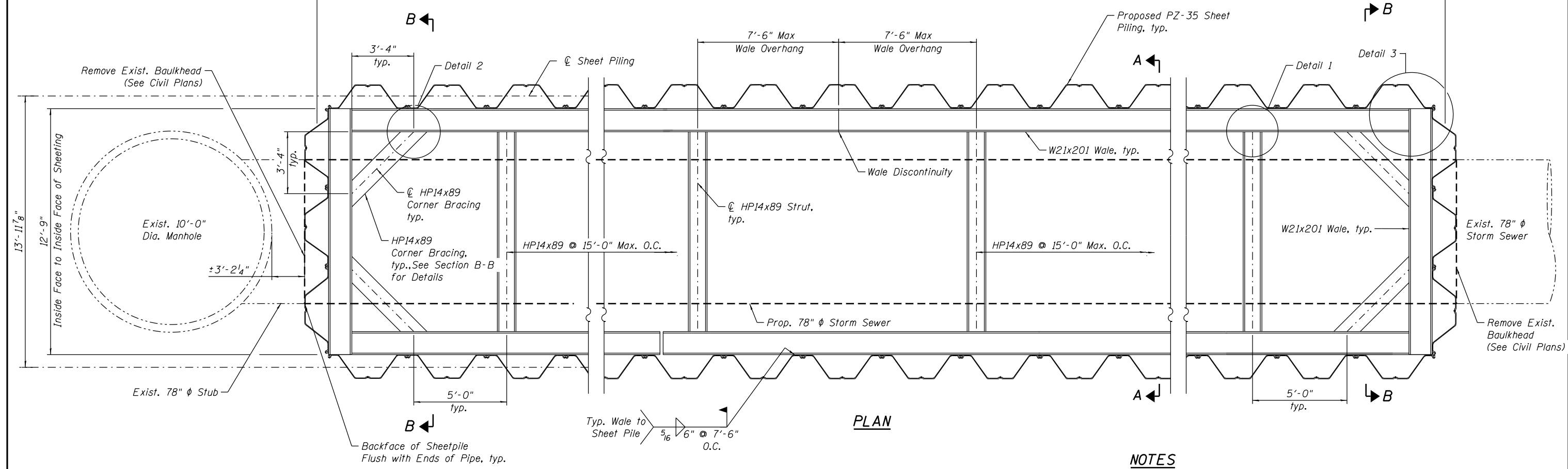
**GENERAL NOTES, TOTAL BILL OF MATERIALS AND INDEX OF SHEETS
TEMPORARY SOIL RETENTION SYSTEM (SPECIAL)**

SHEET NO. RW-02 OF RW-05 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	52B
CONTRACT NO. 62D78			ILLINOIS FED. AID PROJECT	



309'-6" Measured Along ϕ South Sheet Piling
 308'-4" Measured Along ϕ North Sheet Piling



PLAN

NOTES

1. See Sheet RW-04 for Section A-A and Section B-B.
2. See Sheet RW-05 for Details 1 thru 3.
3. See Sheet RW-02 for General Notes and Construction Sequence.
4. All welding shall be performed by a certified welder and shall be in accordance with Article 505.04(q) of the Standard Specifications. Use E70XX electrodes.
5. All structural steel shall be fabricated and erected in accordance with Section 505 of the Standard Specifications. All material shall be in good condition and shall be free of any damage, rust, holes or defects of any kind.
6. Sheet piling shall bear fully against the wales. If gap exists between sheet piling and wales, Contractor shall provide steel shim plates for the full height of the wale flange with a minimum width of 4 inches centered on each of the two pile flanges per sheet pile pair to fill the gaps.

62D78-RW03-Plan



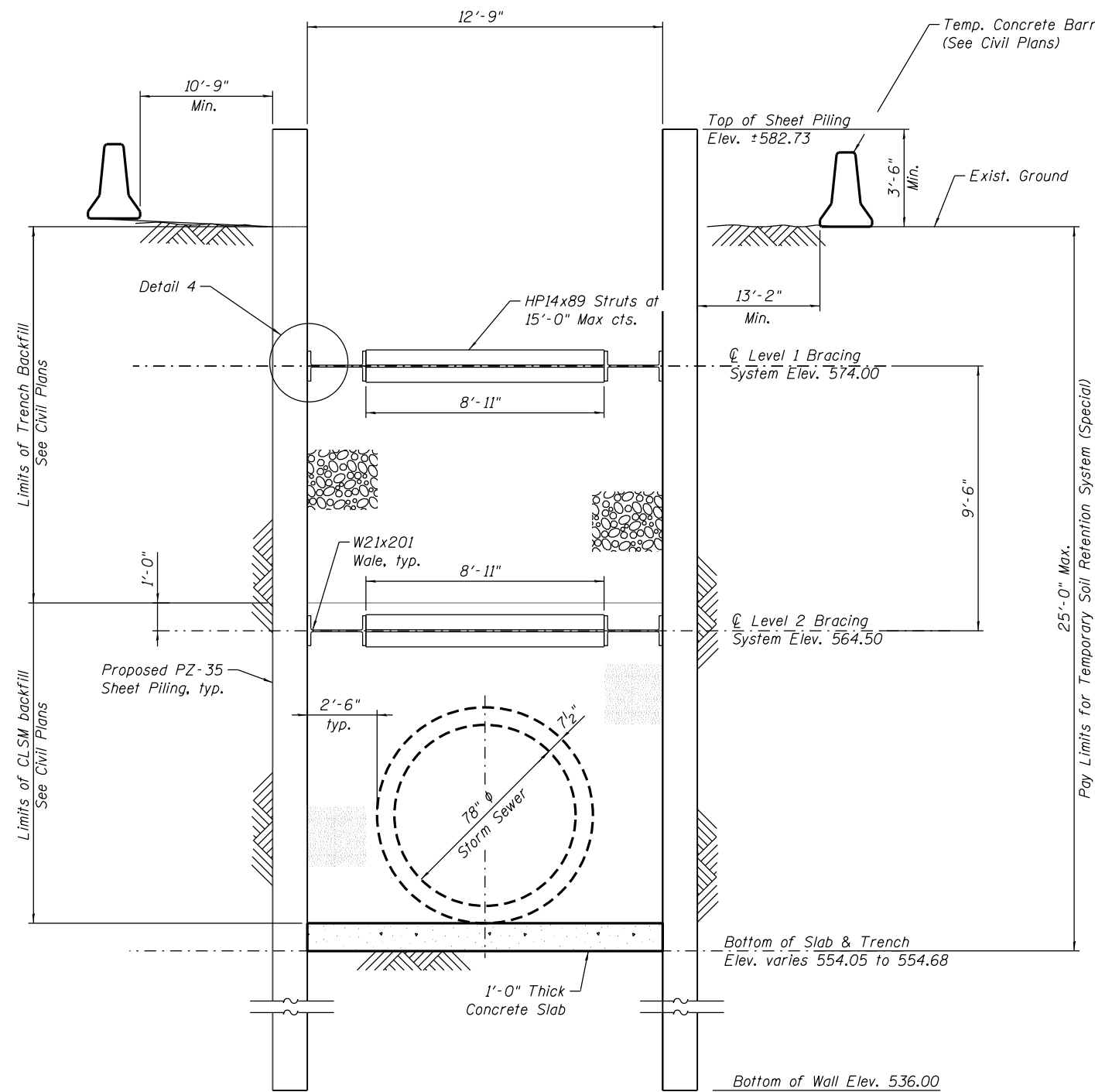
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PLOT DATE = 7/21/2017	CHECKED - ATB	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

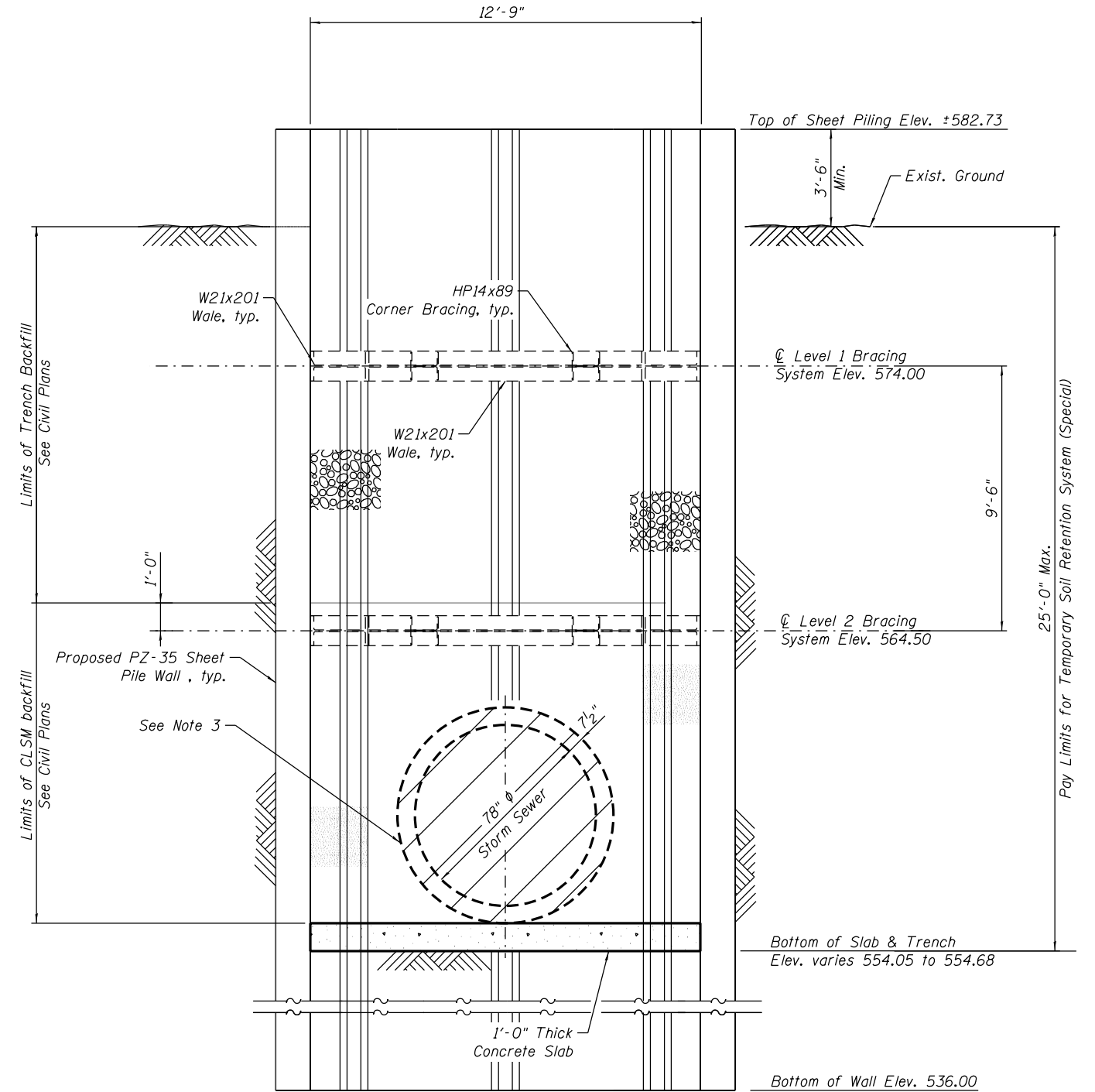
**TEMPORARY SOIL RETENTION SYSTEM LAYOUT
 TEMPORARY SOIL RETENTION SYSTEM (SPECIAL)**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	52C
CONTRACT NO. 62D78				
ILLINOIS FED. AID PROJECT				

SHEET NO. RW-03 OF RW-05 SHEETS



SECTION A-A
(Looking East)



SECTION B-B

NOTES:

1. See sheet RW-05 for Detail-4.
2. See sheet RW-02 for General notes and Construction sequence.
3. Contractor shall develop details for the opening in the sheet piling and soil support system for the proposed 78" ϕ sewer pipe connection to the existing sewer pipe. Contractor shall provide drawings and structural calculations, prepared and sealed by Illinois Licensed Structural Engineer, to the Engineer for review and approval. See special provisions for Temporary Soil Retention System (Special).

62D78-RW-04-TypSect



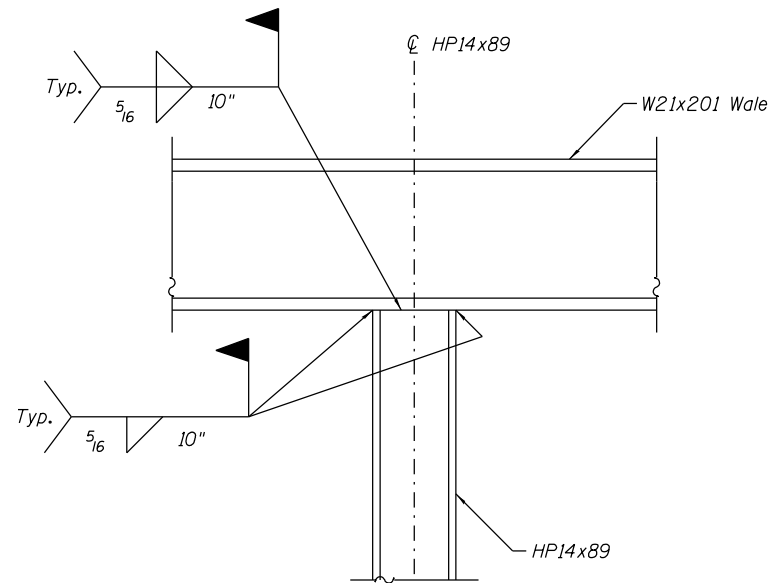
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PLOT DATE =	7/21/2017	CHECKED -	ATB	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

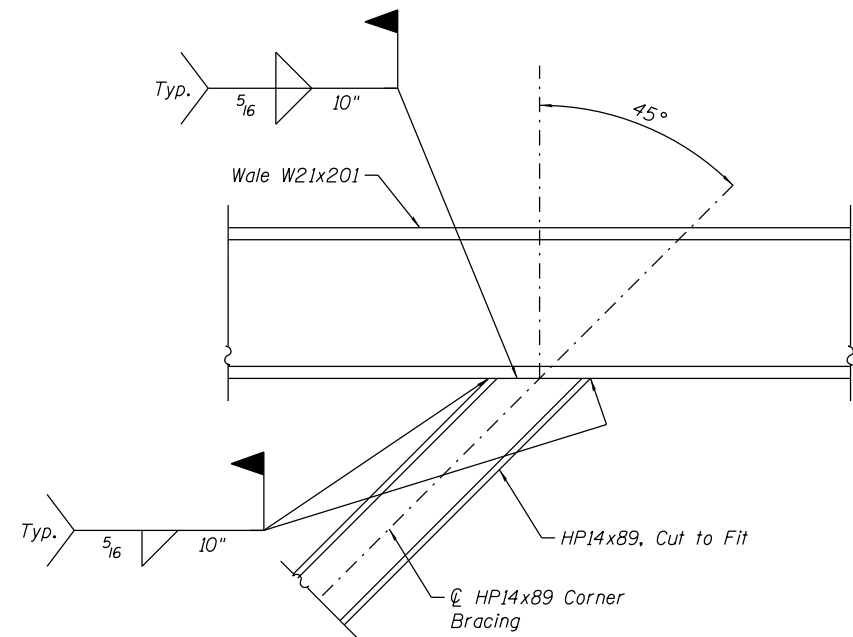
SECTIONS
TEMPORARY SOIL RETENTION SYSTEM (SPECIAL)

SHEET NO. RW-04 OF RW-05 SHEETS

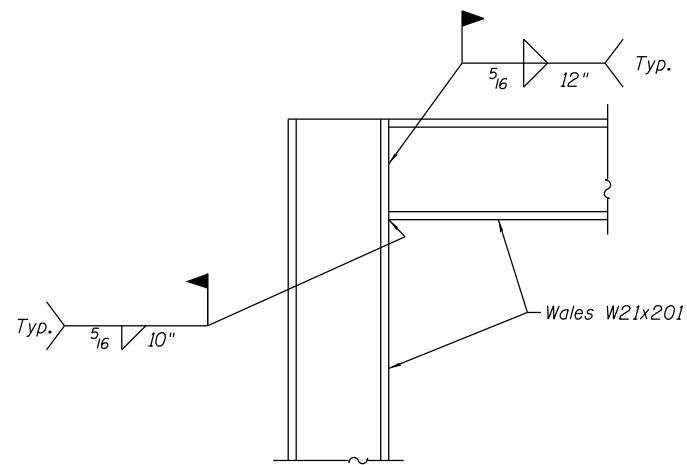
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90/94/290	2016-066T	COOK	83	52D
CONTRACT NO. 62D78				
ILLINOIS FED. AID PROJECT				



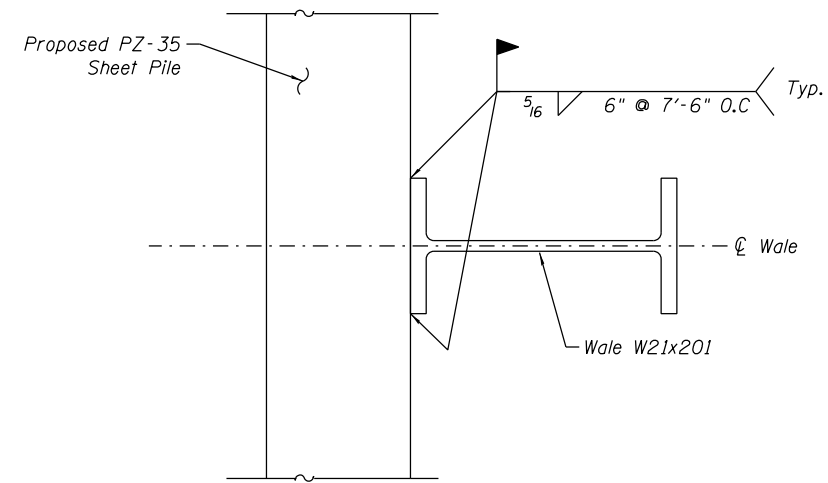
DETAIL 1
(Typ. Wale/Strut Connection)



DETAIL 2
(Typ. Wale/Corner Connection)



DETAIL 3
(Typ. Wale/Wale Connection)



DETAIL 4
(Typ. Wale/Sheet Pile Connection)

NOTES:

1. See sheet RW-03 for Temp. Soil Retention System (Special) layout.
2. See sheet RW-04 for Typical Sections.
3. See sheet RW-02 for General notes and Construction sequence.

62D78-RW05-Details



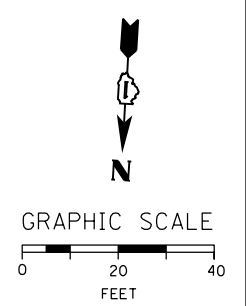
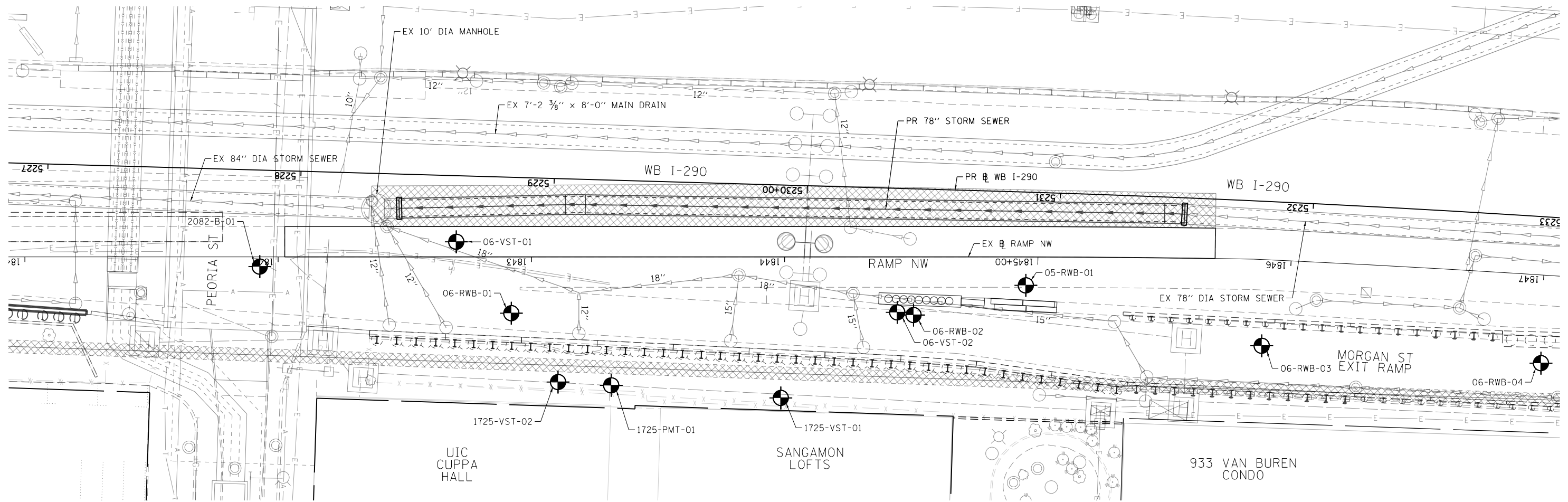
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PLOT DATE =	7/21/2017	CHECKED -	ATB	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS
TEMPORARY SOIL RETENTION SYSTEM (SPECIAL)

SHEET NO. RW-05 OF RW-05 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	52E
CONTRACT NO. 62D78			ILLINOIS FED. AID PROJECT	



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 PLOT DATE = 5/2/2017

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DRAWN - AFC	REVISED -
CHECKED - MJE	REVISED -
DATE - 5/4/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING PLAN

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

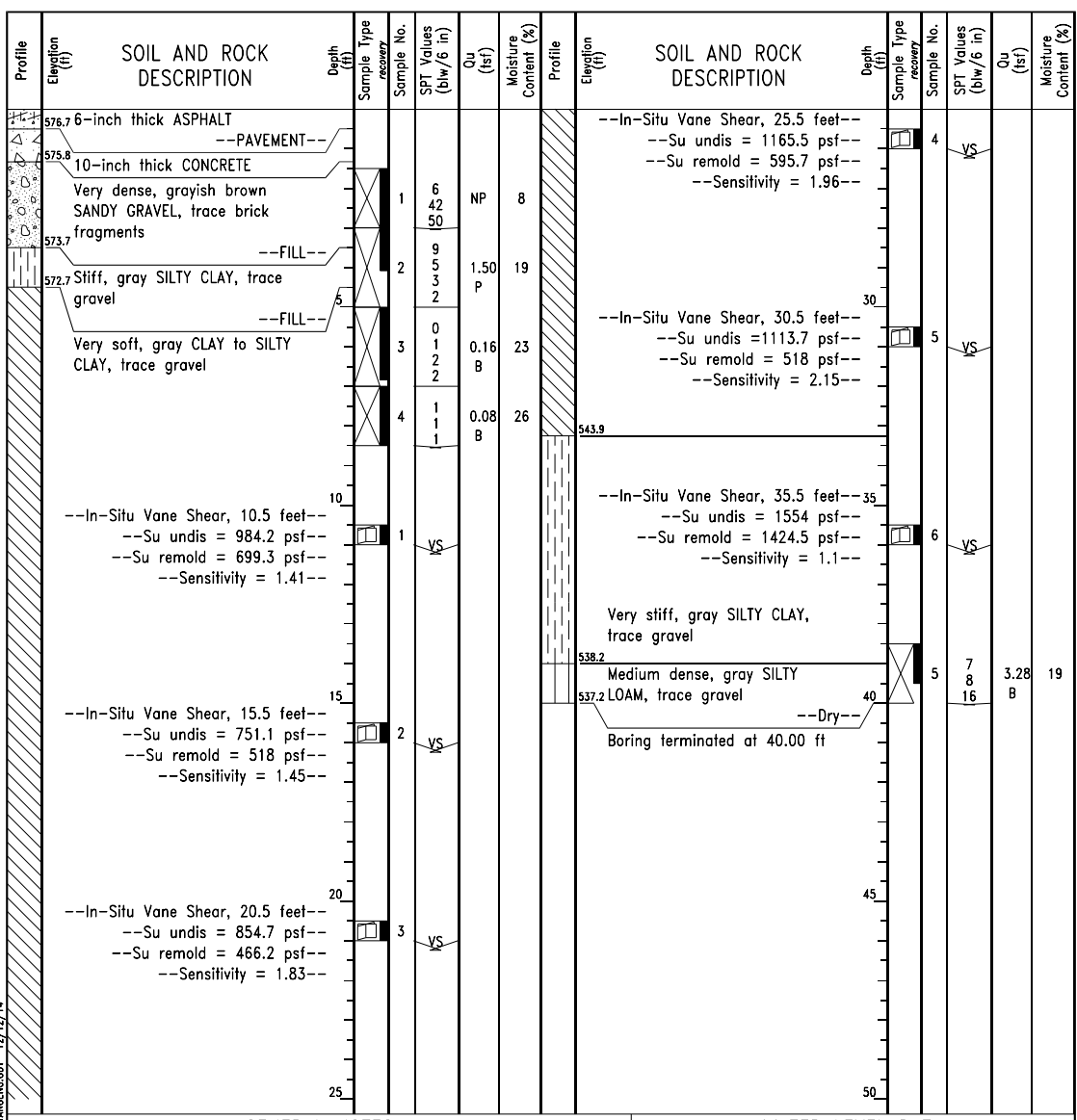
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90/94/290	2016-066T	COOK	83	53
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

Wang Engineering
 wangeng@wangeng.com
 1145 N Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG 06-VST-01
 WEI Job No.: 1100-04-01
 Client: AECOM
 Project: Circle Interchange Reconstruction
 Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD
 Elevation: 577.16 ft
 North: 1898079.60 ft
 East: 1170397.33 ft
 Station: 5228+61.74
 Offset: 26.95 RT

Page 1 of 1



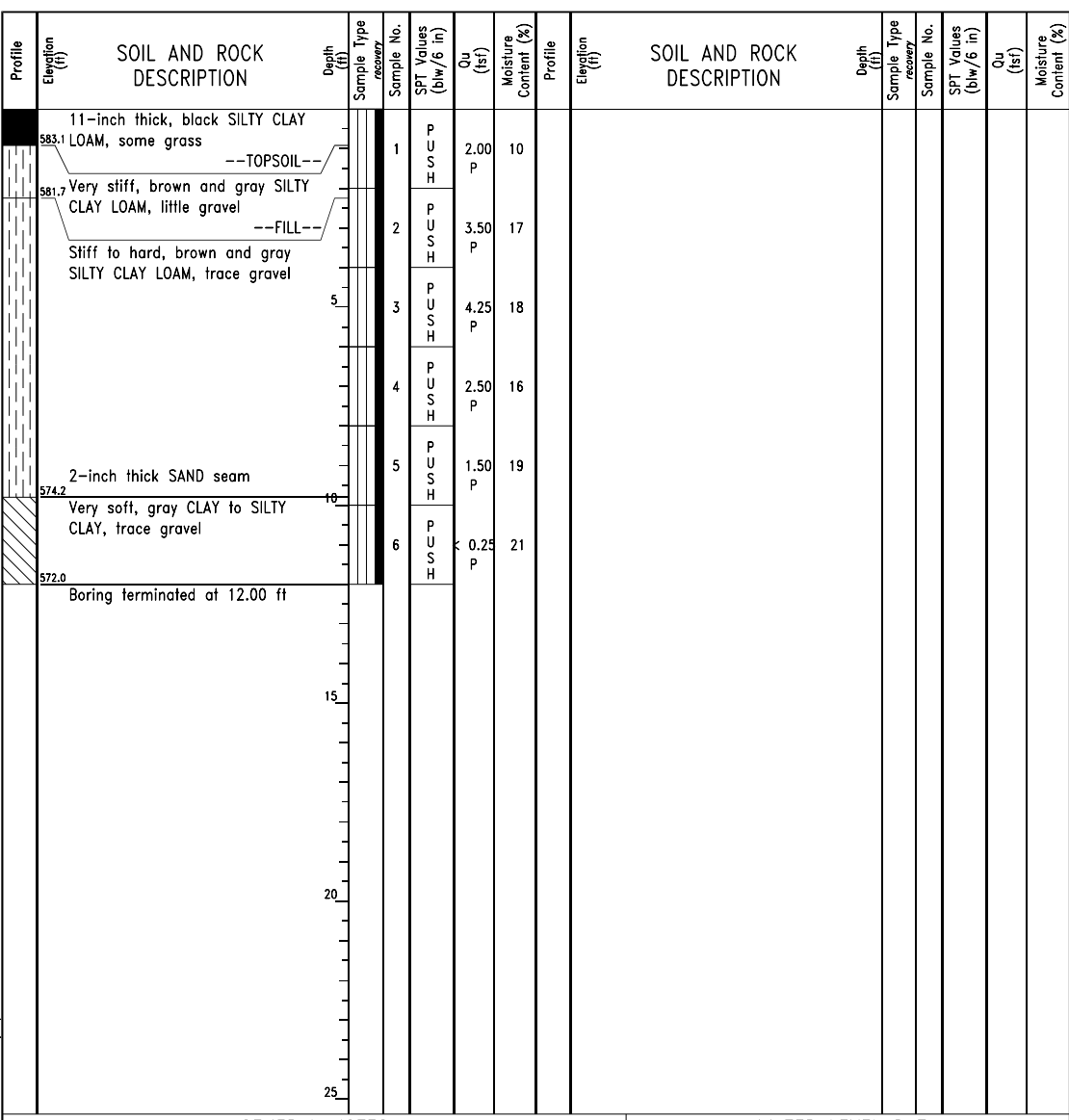
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-18-2014	Complete Drilling	08-18-2014	While Drilling	Rotary wash		
Drilling Contractor	Wang Testing Services	Drill Rig	CME-55 TMR	At Completion of Drilling	unable to measure		
Driller	R&J	Logger	S. Woods	Checked by	CLM (-coord)		
Drilling Method	3.25" HSA, boring backfilled upon completion			Time After Drilling	NA		
				Depth to Water	NA		
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

Wang Engineering
 wangeng@wangeng.com
 1145 N Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG 06-RWB-01
 WEI Job No.: 1100-04-01
 Client: AECOM
 Project: Circle Interchange Reconstruction
 Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
 Elevation: 583.99 ft
 North: 1898106.36 ft
 East: 1170373.84 ft
 Station: 5228+84.58
 Offset: 53.62 RT

Page 1 of 1



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-15-2013	Complete Drilling	04-15-2013	While Drilling	DRY		
Drilling Contractor	Wang Testing Services	Drill Rig	Geoprobe HA	At Completion of Drilling	DRY		
Driller	F&R	Logger	R. Gorlagunta	Checked by	C. Marin		
Drilling Method	1" IDA Pneumatic Geoprobe LB Sampler			Time After Drilling	NA		
				Depth to Water	NA		
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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DESIGNED - AFC
 DRAWN - AFC
 CHECKED - MJE
 DATE - 5/4/2017

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 REVISE...
 REVISE...
 REVISE...

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BORING LOGS II

SCALE: SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	55
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

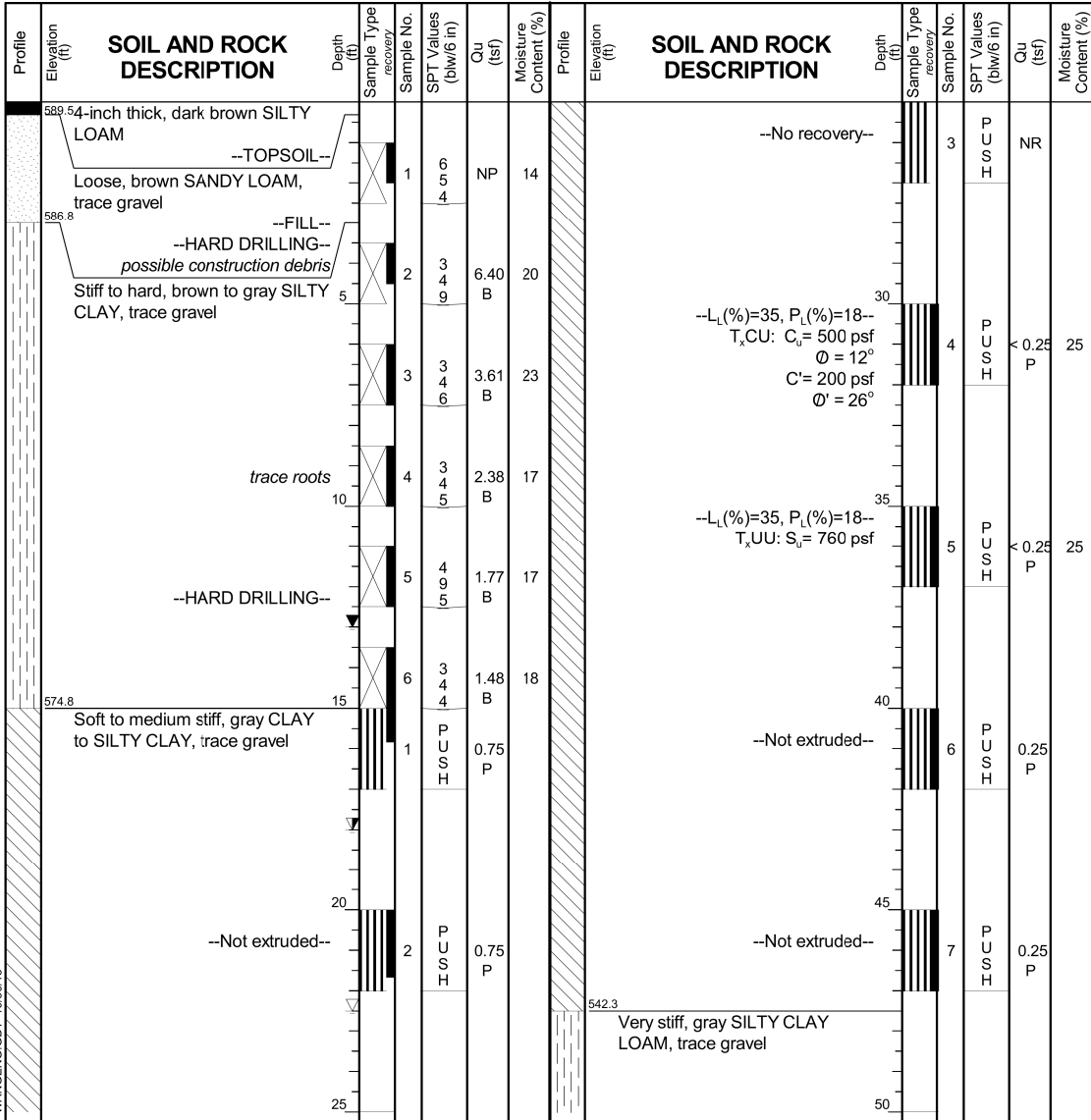
Wang Engineering
 wangeng@wangeng.com
 1145 N Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG 1725-VST-01
 WEI Job No.: 1100-04-01

Datum: NAVD 88
 Elevation: 589.80 ft
 North: 1898133.08 ft
 East: 1170265.54 ft
 Station: NA
 Offset: NA

Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Page 1 of 2



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	09-30-2015	Complete Drilling	09-30-2015	While Drilling	▽ 22.50 ft
Drilling Contractor	Wang Testing Services	Drill Rig	D-25 ATV	At Completion of Drilling	▼ 13.00 ft
Driller	N&R	Logger	F. Bozga	Time After Drilling	24 hours
Checked by	C. Marin	Drilling Method	3.25" HSA, boring backfilled upon completion		
				Depth to Water	▼ 18.00 ft
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

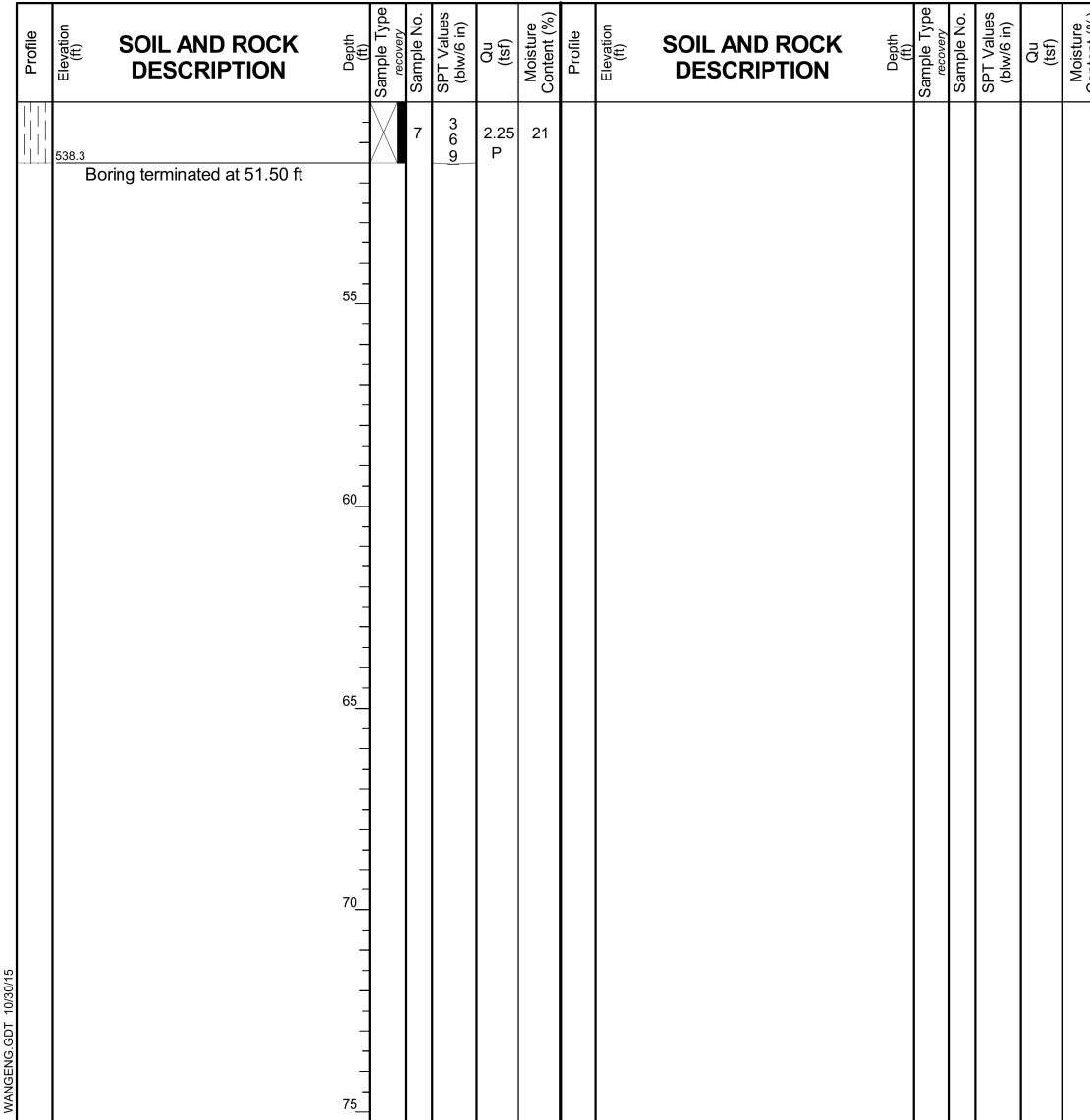
Wang Engineering
 wangeng@wangeng.com
 1145 N Main Street
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 Telephone: 630 953-9928
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BORING LOG 1725-VST-01
 WEI Job No.: 1100-04-01

Datum: NAVD 88
 Elevation: 589.80 ft
 North: 1898133.08 ft
 East: 1170265.54 ft
 Station: NA
 Offset: NA

Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Page 2 of 2



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	09-30-2015	Complete Drilling	09-30-2015	While Drilling	▽ 22.50 ft
Drilling Contractor	Wang Testing Services	Drill Rig	D-25 ATV	At Completion of Drilling	▼ 13.00 ft
Driller	N&R	Logger	F. Bozga	Time After Drilling	24 hours
Checked by	C. Marin	Drilling Method	3.25" HSA, boring backfilled upon completion		
				Depth to Water	▼ 18.00 ft
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

FILE PATH = P:\62088727\020_CAD\006_Roadway\Printing\62078\Final_20170606\0162078-sht-SoilBoring-03.dgn



D162078-sht-SoilBoring-03.dgn	DESIGNED - AFC	REVISED -
USER NAME = dishevoz	DRAWN - AFC	REVISED -
PLOT SCALE = 1:3333	CHECKED - MJE	REVISED -
PLOT DATE = 5/2/2017	DATE - 5/4/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS III

SCALE: SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	56
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

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BORING LOG 1725-PMT-01
 WEI Job No.: 1100-04-01

Datum: NAVD 88
 Elevation: 592.77 ft
 North: 1898132.33 ft
 East: 1170332.71 ft
 Station: NA
 Offset: NA

Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Page 1 of 2

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
589.8	Medium dense, dark brown GRAVELLY LOAM, some construction debris --FILL--	1	1	13	NP	7			4	M			
		2	2	13	NP	7			8	M	0.41	26	
585.5	Loose, brown, fine to medium SAND; dry to moist	3	3	5	NP	7			5	P			
		4	4	3	NP	20			9	M	0.16	27	
	Stiff to very stiff, brown and gray SILTY CLAY, trace gravel	5	5	3	NP	20			10	M	0.33	25	
		6	6	3	NP	25			11	M	0.49	27	
		7	7	3	NP	24			12	M	1.00	N/6	
578.0	Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel	8	8	3	NP	20			13	M			
		9	9	3	NP	24			14	M			
		10	10	3	NP	24			15	M			
		11	11	3	NP	24			16	M			
		12	12	3	NP	24			17	M			
548.0	Stiff, gray SILTY CLAY, trace gravel	13	13	3	NP	24			18	M			
		14	14	3	NP	24			19	M			
		15	15	3	NP	24			20	M			
		16	16	3	NP	24			21	M			
		17	17	3	NP	24			22	M			
		18	18	3	NP	24			23	M			
		19	19	3	NP	24			24	M			
		20	20	3	NP	24			25	M			

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-01-2015	Complete Drilling	10-01-2015	While Drilling	▼	Rotary wash	
Drilling Contractor	Wang Testing Services	Drill Rig	D-25 ATV	At Completion of Drilling	▼	Mud at 5 ft	
Driller	N&R	Logger	F. Bozga	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	NA				
Drilling Method	3.25" HSA to 13', mud rotary thereafter, boring backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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BORING LOG 1725-PMT-01
 WEI Job No.: 1100-04-01

Datum: NAVD 88
 Elevation: 592.77 ft
 North: 1898132.33 ft
 East: 1170332.71 ft
 Station: NA
 Offset: NA

Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Page 2 of 2

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
539.8		9	9	13					9	M			
		10	10	5					13	M	1.97	20	
	Boring terminated at 53.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-01-2015	Complete Drilling	10-01-2015	While Drilling	▼	Rotary wash	
Drilling Contractor	Wang Testing Services	Drill Rig	D-25 ATV	At Completion of Drilling	▼	Mud at 5 ft	
Driller	N&R	Logger	F. Bozga	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	NA				
Drilling Method	3.25" HSA to 13', mud rotary thereafter, boring backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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D162078-sht-SoilBoring-04.dgn
 USER NAME = dshevoz
 PLOT SCALE = 1:3333
 PLOT DATE = 5/2/2017

DESIGNED - AFC
 DRAWN - AFC
 CHECKED - MJE
 DATE - 5/4/2017

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BORING LOGS IV

SCALE: SHEET 4 OF 9 SHEETS STA. TO STA.

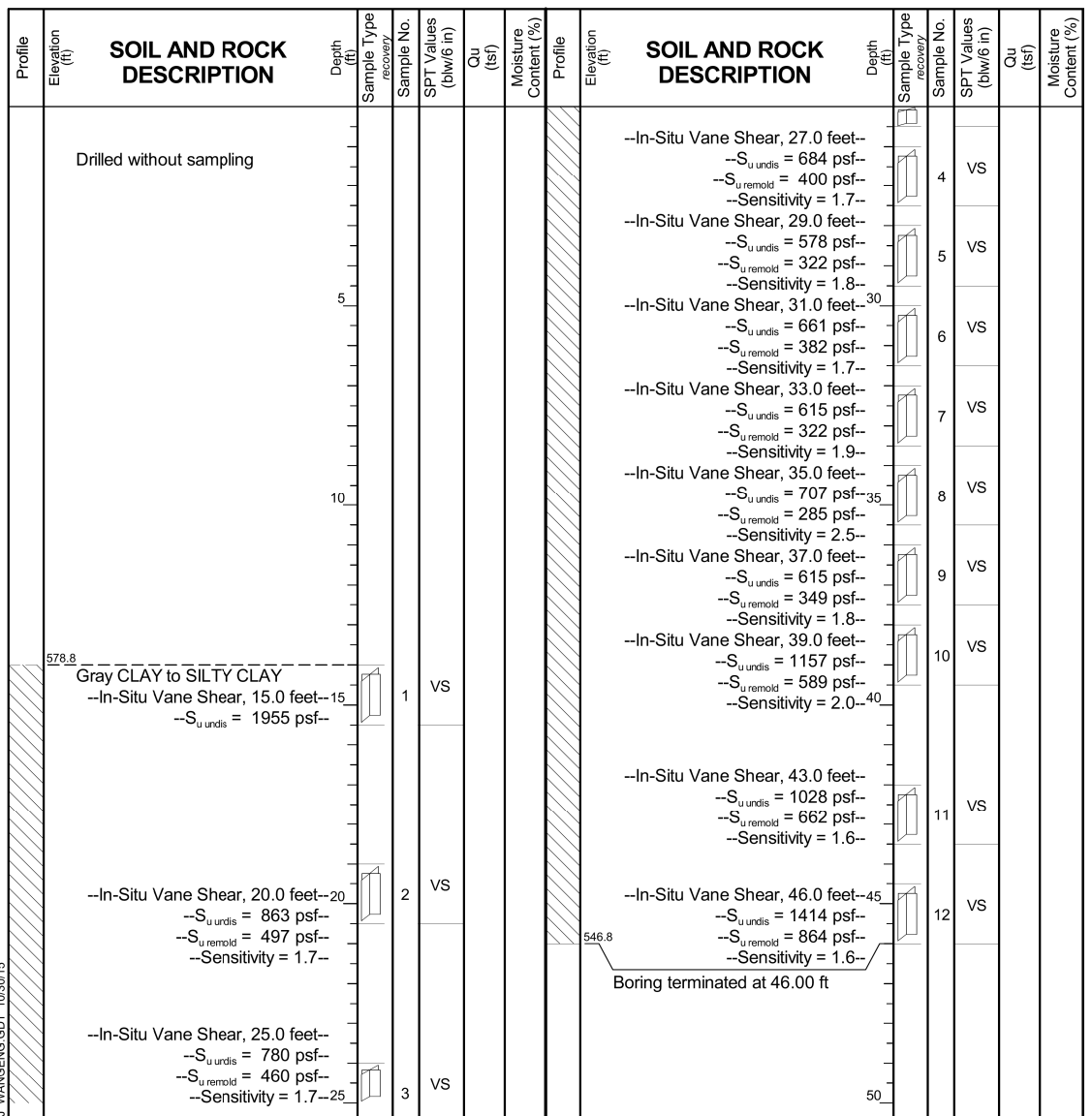
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	57
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

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BORING LOG 1725-VST-02
 WEI Job No.: 1100-04-01

Datum: NAVD 88
 Elevation: 592.78 ft
 North: 1898132.35 ft
 East: 1170353.71 ft
 Station: NA
 Offset: NA

Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**



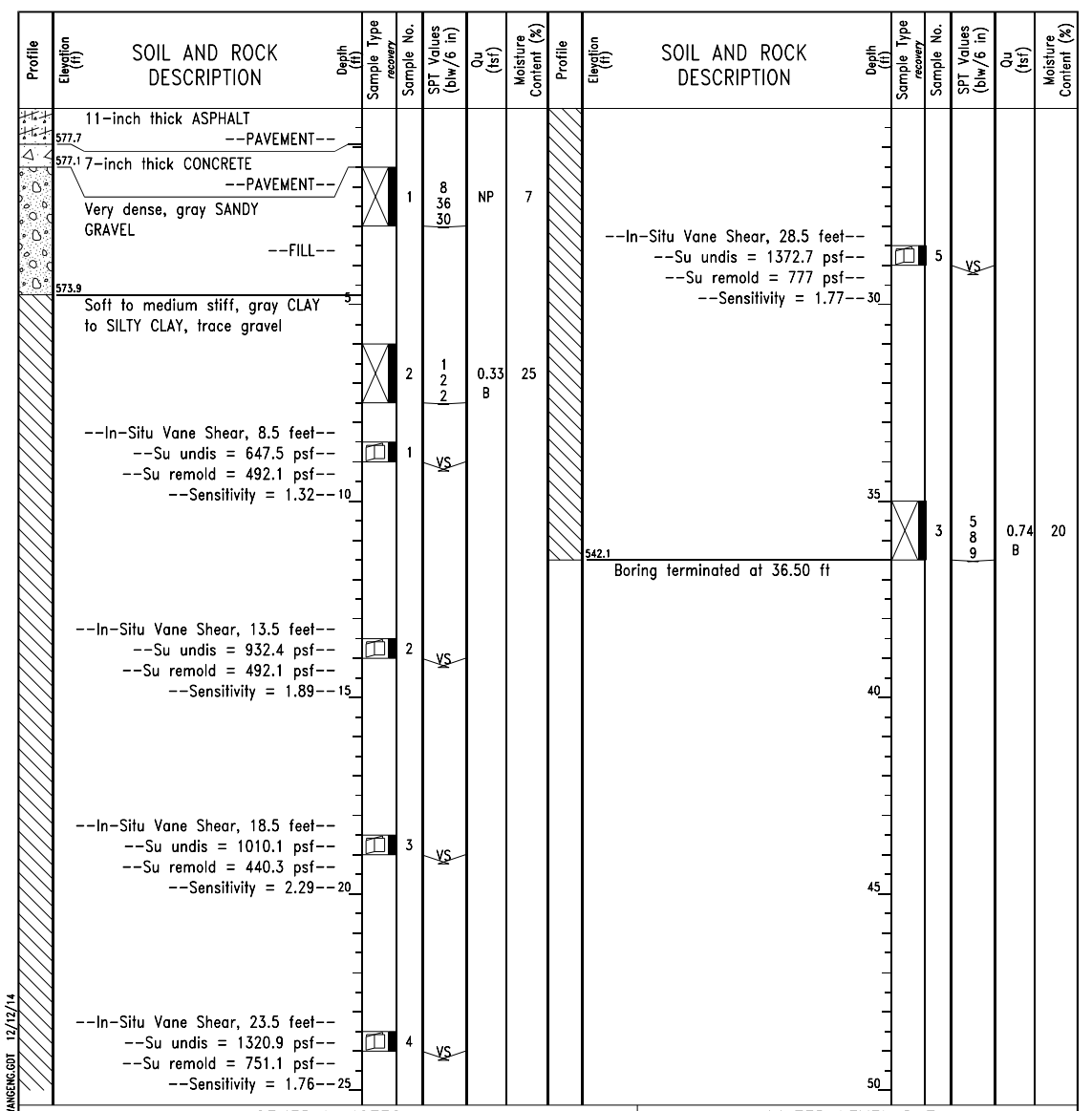
GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	10-02-2015	Complete Drilling	10-02-2015
Drilling Contractor	Wang Testing Services	Drill Rig	D-25 ATV
Driller	N&R	Logger	F. Bozga
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	2.25" IDA HSA to 10', mud rotary thereafter, boring backfilled upon completion	Depth to Water	NA
		While Drilling	Rotary wash
		At Completion of Drilling	Mud at 3 ft

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BORING LOG 06-VST-02
 WEI Job No.: 1100-04-01

Datum: NAVD
 Elevation: 578.62 ft
 North: 1898096.47 ft
 East: 1170221.79 ft
 Station: 5230+36.61
 Offset: 49.78 RT

Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**



GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	08-17-2014	Complete Drilling	08-17-2014
Drilling Contractor	Wang Testing Services	Drill Rig	CME-55 TMR
Driller	R&J	Logger	S. Woods
Checked by	CLM (-coord)	Time After Drilling	NA
Drilling Method	3.25" HSA, boring backfilled upon completion	Depth to Water	NA
		While Drilling	Rotary wash
		At Completion of Drilling	unable to measure

FILE PATH = P:\62078\27\020_CAD\006_Roadway\Printing\62078\Final_20170606\10162078-sht-SoilBoring-05.dgn



DESIGNED - AFC	REVISED -
DRAWN - AFC	REVISED -
CHECKED - MJE	REVISED -
DATE - 5/4/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS V

SCALE: SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	58
CONTRACT NO. 62D78				
ILLINOIS FED. AID PROJECT				

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BORING LOG 06-RWB-02 Page 1 of 2

WEI Job No.: 1100-04-01

Datum: NAVD 88
Elevation: 579.17 ft
North: 1898097.14 ft
East: 1170215.28 ft
Station: 3644+00.68 (5230+43.49)
Offset: 14.27 LT (49.80 RT)

Client: _____ AECOM
Project: _____ Circle Interchange Reconstruction
Location: _____ Section 17, T39N, R14E of 3rd PM

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	
578.5	7.5-inch thick ASPHALT --PAVEMENT--													
577.7	10-inch thick CONCRETE --PAVEMENT--													
577.0	9-inch thick, gray CRUSHED STONE --BASE COURSE--		1	8 12 19	NP	11				11	0 1 2	0.49 B	25	
575.4	Dense, brown GRAVELLY SAND, trace slag and asphalt, brick fragments --FILL--		2	4 2 3	0.74 B	15				12	0 2 3	0.49 B	25	
573.7	Medium stiff, gray SILTY CLAY LOAM, trace gravel		3	1 2 2	0.16 B	25	547.4	Very stiff, gray SILTY CLAY, trace gravel						
	Very soft to soft, gray CLAY to SILTY CLAY, trace gravel		4	2 3 2	0.33 B	26				13	2 2 4	1.00 N/6		
			5	0 0 1	0.08 B	29								
			6	0 1 2	0.16 B	27				14	7 11 12	2.38 B	22	
			7	0 0 1	0.08 B	28	537.4	Dense, gray SILTY LOAM, trace gravel						
			8	0 0 2	0.16 B	27				15	11 15 21	NP	16	
			9	0 1 1	0.08 B	25	532.4	Very stiff, gray SILTY CLAY LOAM, trace gravel						
			10	0 1 3	0.49 B	25				16	5 8 11	3.61 B	20	

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	04-14-2013	Complete Drilling	04-15-2013
Drilling Contractor	Wang Testing Services	Drill Rig	CME-55 TMR
Driller	R&J	Logger	F. Bozga
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	2.25" SSA to 10', mud rotary thereafter, boring 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 06-RWB-02 Page 2 of 2

WEI Job No.: 1100-04-01

Datum: NAVD 88
Elevation: 579.17 ft
North: 1898097.14 ft
East: 1170215.28 ft
Station: 3644+00.68 (5230+43.49)
Offset: 14.27 LT (49.80 RT)

Client: _____ AECOM
Project: _____ Circle Interchange Reconstruction
Location: _____ Section 17, T39N, R14E of 3rd PM

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
527.4	--HARD DRILLING-- --Possible Cobbles--												
	Dense, gray SILT		17	7 15 20	NP	19				22	47 36/2"	NP	12
522.4	Very dense, gray SILTY LOAM, trace gravel and rock fragments		18	23 29 42	5.74 S	12	496.2	--HARD DRILLING-- --Possible Cobbles--					
	--LL%=26, PL%=14-- --%Gravel=1.8-- --%Sand=7.7-- --%Silt=74.8-- --%Clay=15.7-- --A-6 (9)--		19	12 21 29	7.46 B	15	--SAMPLER REFUSAL-- Boring terminated at 83.00 ft			23	50/0"	NR	
	--%Gravel=5.1-- --%Sand=24.4-- --%Silt=62.7-- --%Clay=7.8-- --A-4 (0)--		20	18 28 30	NP	13							
	--HARD DRILLING-- --Possible Cobbles--		21	76/4"	NP	14							

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	04-14-2013	Complete Drilling	04-15-2013
Drilling Contractor	Wang Testing Services	Drill Rig	CME-55 TMR
Driller	R&J	Logger	F. Bozga
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	2.25" SSA to 10', mud rotary thereafter, boring 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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DISEGNER - AFC	DESIGNED - AFC	REVISED -
DRAWN - AFC	DRAWN - AFC	REVISED -
CHECKED - MJE	CHECKED - MJE	REVISED -
DATE - 5/4/2017	DATE - 5/4/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BORING LOGS VI

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BORING LOG 05-RWB-01
 WEI Job No.: 1100-04-01

Datum: NAVD 88
 Elevation: 581.24 ft
 North: 1898082.68 ft
 East: 1170171.79 ft
 Station: 3644+44.36 (5230+87.43)
 Offset: 28.16 LT (36.81 RT)

Client: AECOM
 Project: Circle Interchange Reconstruction
 Location: Section 17, T39N, R14E of 3rd PM

Page 1 of 2

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 (%)
580.9	4-inch thick, ASPHALT														
580.1	10-inch thick, CONCRETE														
579.4	8-inch thick, white CRUSHED STONE														
	Stiff to very stiff, dark gray SILTY CLAY LOAM, trace gravel	5		2	4 13 13	1.64 B						12	0 2 2	0.41 B	28
575.7	Very dense, black GRAVELLY SANDY LOAM			3	50/5"	NP									
573.7	Stiff (1.25P), gray SILTY CLAY LOAM, trace gravel														
572.5	Very soft to medium stiff, gray CLAY to SILTY CLAY	10		4	2 2 3	0.25 P						13	0 3 2	0.25 P	27
				5	0 0 1	0.25 P									
		15		6	0 0 3	0.25 P									
		20		7	1 2 1	0.25 P		539.5	Very stiff, gray SILTY CLAY LOAM, trace gravel	22					
				8	0 0 2	0.25 P						15	5 10 22	3.28 B	14
				9	0 0 2	0.25 P									
				10	0 0 1	0.25 P							6 11 14	3.85 B	18

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-14-2013	Complete Drilling	04-14-2013	White Drilling	<input checked="" type="checkbox"/>	Rotary wash	
Drilling Contractor	Wang Testing Services	Drill Rig	D-50 TMR	At Completion of Drilling	<input checked="" type="checkbox"/>	unable to measure	
Driller	R&N	Logger	A. Happel	Time After Drilling		NA	
Drilling Method	2.25" SSA to 10', mud rotary thereafter, boring backfilled upon completion			Depth to Water	<input checked="" type="checkbox"/>	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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BORING LOG 05-RWB-01
 WEI Job No.: 1100-04-01

Datum: NAVD 88
 Elevation: 581.24 ft
 North: 1898082.68 ft
 East: 1170171.79 ft
 Station: 3644+44.36 (5230+87.43)
 Offset: 28.16 LT (36.81 RT)

Client: AECOM
 Project: Circle Interchange Reconstruction
 Location: Section 17, T39N, R14E of 3rd PM

Page 2 of 2

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 (%)
524.5	Hard, gray SILTY LOAM, trace gravel and seams of fine sand														
	--LL%=24, PL%=14-- --%Gravel=4.0-- --%Sand=26.3-- --%Silt=56.5--60 --%Clay=13.2-- --A-4 (4)--														
519.5	Very stiff to hard, gray SILTY CLAY LOAM, trace gravel														
	--LL%=26, PL%=14-- --%Gravel=1.5-- --%Sand=9.5-- --%Silt=68.0--70 --%Clay=21.0-- --A-6 (9)--														
		55		17	6 8 11	3.20 B									
				18	23 40 50/5"	4.92 B									
		65		19	17 27 30	7.67 B									
				20	14 20 21	4.50 P									
				21	37 60/5"	2.21 S									

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-14-2013	Complete Drilling	04-14-2013	White Drilling	<input checked="" type="checkbox"/>	Rotary wash	
Drilling Contractor	Wang Testing Services	Drill Rig	D-50 TMR	At Completion of Drilling	<input checked="" type="checkbox"/>	unable to measure	
Driller	R&N	Logger	A. Happel	Time After Drilling		NA	
Drilling Method	2.25" SSA to 10', mud rotary thereafter, boring backfilled upon completion			Depth to Water	<input checked="" type="checkbox"/>	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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DISEGNER	- AFC	REVISED	-
DRAWN	- AFC	REVISED	-
CHECKED	- MJE	REVISED	-
DATE	- 5/4/2017	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BORING LOGS VII			
SCALE:	SHEET 7	OF 9 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	60
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

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BORING LOG 06-RWB-03
 WEI Job No.: 1100-04-01

Datum: NAVD 88
 Elevation: 586.59 ft
 North: 1898100.64 ft
 East: 1170077.33 ft
 Station: 3645+38.58 (5231+82.15)
 Offset: 8.968 LT (57.03 RT)

Client: _____ AECOM _____
 Project: Circle Interchange Reconstruction
 Location: Section 17, T39N, R14E of 3rd PM

Page 1 of 2

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 (%)
588.3	4-inch thick ASPHALT														
585.3	11-inch thick CONCRETE														
584.7	8-inch thick CRUSHED STONE														
583.4	Brown SILTY LOAM			1	8 6 3	NP						11	0 0 0	0.25 P	27
	Medium stiff, gray SILTY CLAY, trace gravel			2	2 2 3	0.98 B	19					12	0 0 2	0.25 P	27
581.1	Soft, gray CLAY, trace gravel			3	1 1 1	0.41 B	26					13	0 0 0	0.25 P	27
578.6	Very soft, gray SILTY CLAY LOAM, trace gravel			4	0 0 1	0.25 P	34					14	0 2 3	0.25 P	26
576.1	Very soft to soft, gray CLAY to SILTY CLAY, trace gravel			5	0 1 1	0.25 P	26					15	0 1 5	0.49 B	20
				6	0 0 0	0.25 P	26					16	5 7 17	3.69 B	13
				7	0 0 0	0.25 P	28								
				8	0 0 0	0.17 N/6									
				9	0 0 0	0.25 P	28								
				10	0 1 1	0.33 N/6		539.8	Very stiff to hard, gray SILTY CLAY LOAM, trace gravel						

GENERAL NOTES

Begin Drilling: 04-15-2013
 Complete Drilling: 04-16-2013
 Drilling Contractor: Wang Testing Services
 Driller: R&N
 Drilling Method: 2.25" SSA to 10', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA

While Drilling: Rotary wash
 At Completion of Drilling: unable to measure
 Depth to Water: NA

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

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 Telephone: 630 953-9928
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BORING LOG 06-RWB-03
 WEI Job No.: 1100-04-01

Datum: NAVD 88
 Elevation: 586.59 ft
 North: 1898100.64 ft
 East: 1170077.33 ft
 Station: 3645+38.58 (5231+82.15)
 Offset: 8.968 LT (57.03 RT)

Client: _____ AECOM _____
 Project: Circle Interchange Reconstruction
 Location: Section 17, T39N, R14E of 3rd PM

Page 2 of 2

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 (%)
	--LL(%)=26, PL(%)=14--														
	--%Gravel=5.1--														
	--%Sand=22.4--														
	--%Silt=50.0-55														
	--%Clay=22.5--														
	--A-6 (6)--														
				17	7 12 13	3.94 B	15					18	7 10 15	3.94 B	23
				19	22 36 52	5.25 B	12					20	18 26 35	4.67 B	17
				21	14 21 25	4.84 B	25								

GENERAL NOTES

Begin Drilling: 04-15-2013
 Complete Drilling: 04-16-2013
 Drilling Contractor: Wang Testing Services
 Driller: R&N
 Drilling Method: 2.25" SSA to 10', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA

While Drilling: Rotary wash
 At Completion of Drilling: unable to measure
 Depth to Water: NA

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

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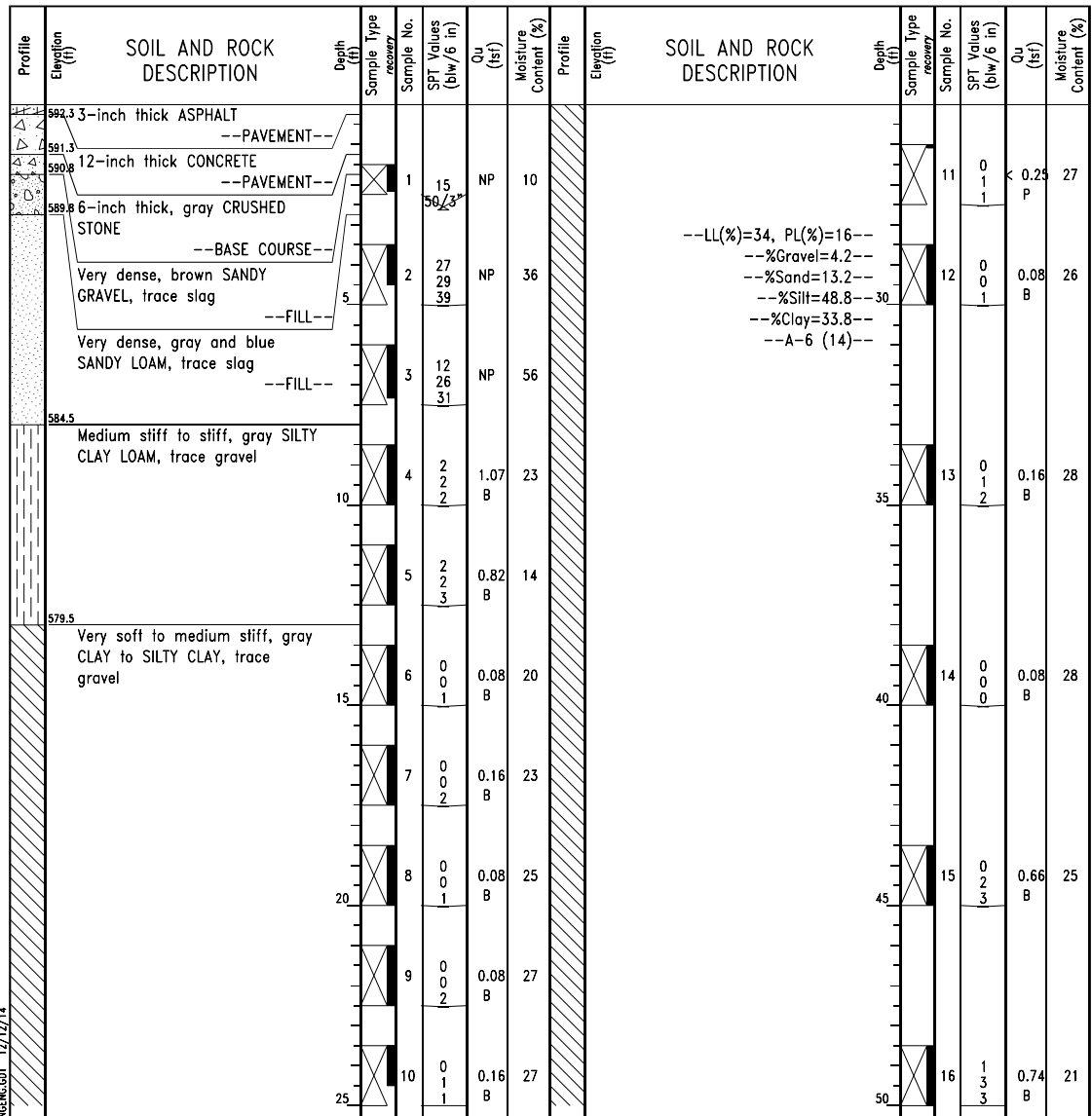
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

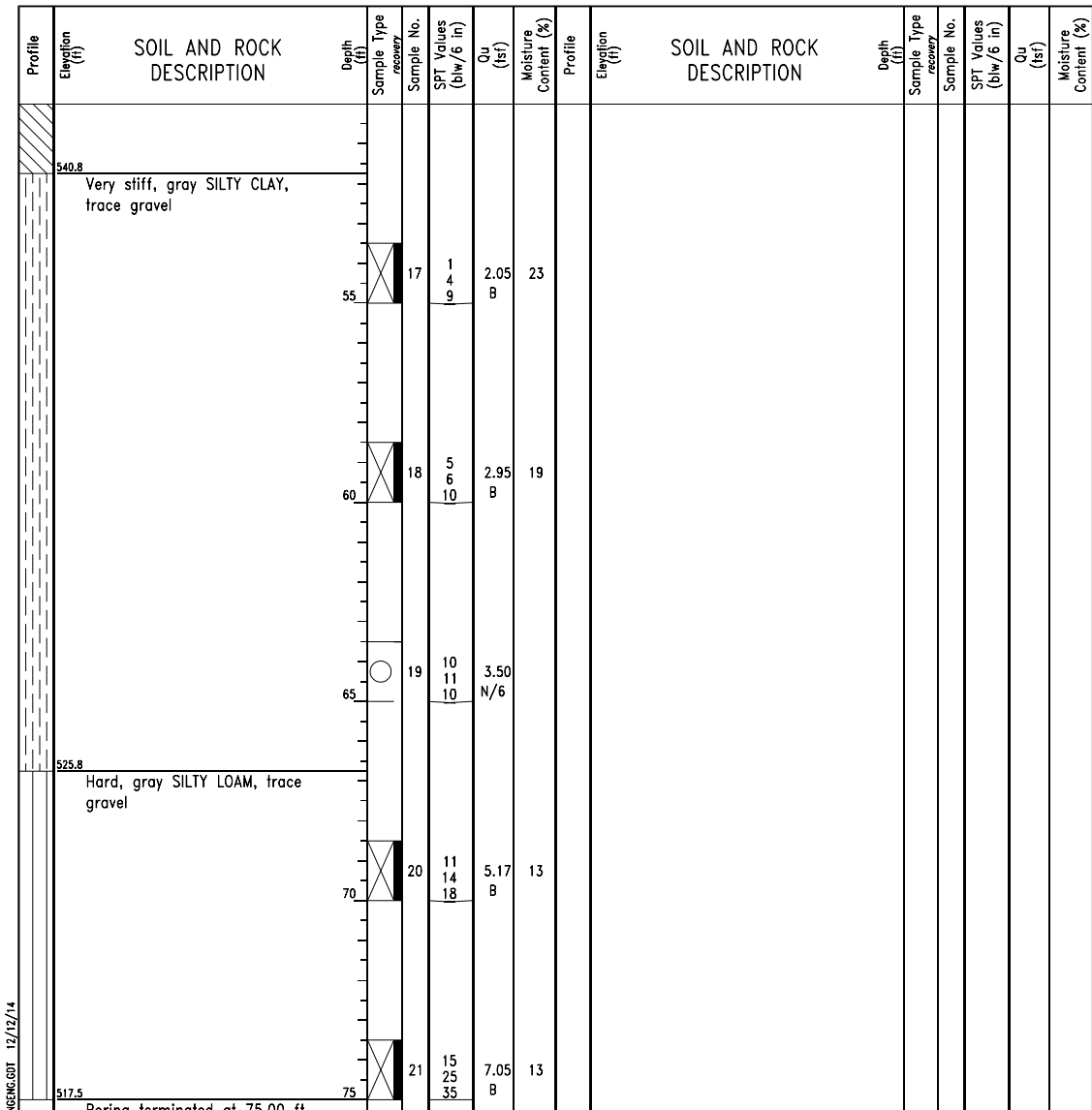
BORING LOGS VIII

SCALE: SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	61
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	04-15-2013	Complete Drilling	04-16-2013
Drilling Contractor	Wang Testing Services	Drill Rig	CME-55 TMR
Driller	R&J	Logger	F. Bozga
Checked by	C. Marin		
Drilling Method	2.25" SSA to 11', mud rotary thereafter, boring backfilled upon completion		
		While Drilling	Rotary wash
		At Completion of Drilling	unable to measure
		Time After Drilling	NA
		Depth to Water	NA
		The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	



GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	04-15-2013	Complete Drilling	04-16-2013
Drilling Contractor	Wang Testing Services	Drill Rig	CME-55 TMR
Driller	R&J	Logger	F. Bozga
Checked by	C. Marin		
Drilling Method	2.25" SSA to 11', mud rotary thereafter, boring backfilled upon completion		
		While Drilling	Rotary wash
		At Completion of Drilling	unable to measure
		Time After Drilling	NA
		Depth to Water	NA
		The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

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DESIGNED - AFC
 DRAWN - AFC
 CHECKED - MJE
 DATE - 5/4/2017

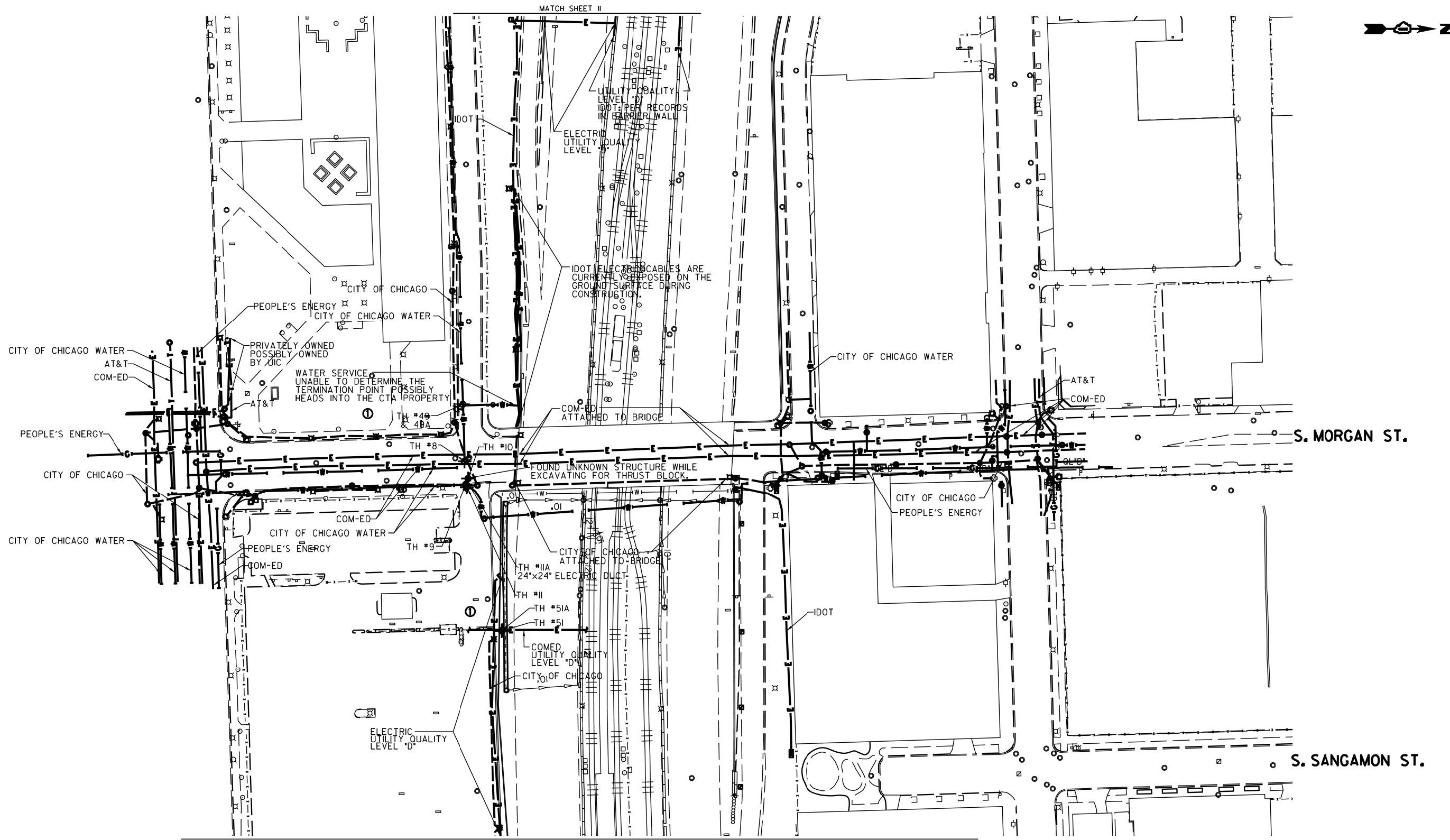
REVISER -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS IX

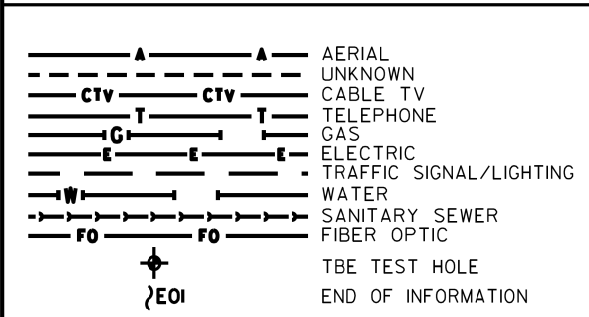
SCALE: SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	62
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				



MATCH SHEET II

MATCH SHEET 2

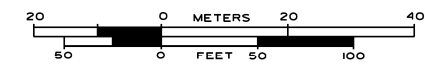


UTILITY OWNERS	
AT&T	= TELEPHONE
COM-ED	= ELECTRIC
CITY OF CHICAGO	= ELECTRIC
CITY OF CHICAGO WATER	= WATER
IDOT	= ELECTRIC
PEOPLE'S ENERGY	= GAS

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 3/14/13 THROUGH 7/25/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 11/17/16 THROUGH 12/09/16 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

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



LICENSED PROFESSIONAL ENGINEER
KENNETH F. SLANINKA, Jr.
062-055488
STATE OF ILLINOIS
3-13-17
license expires 11-30-17

Cardno TBE

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
12 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60438
(815) 744-3723 clausenwhitecwa.com

Dynasty Group
Engineers & Surveyors
#90/94/290 TBE Job No. IL09510531, 563, 647, 737
SUE Plan Page 1 of 12

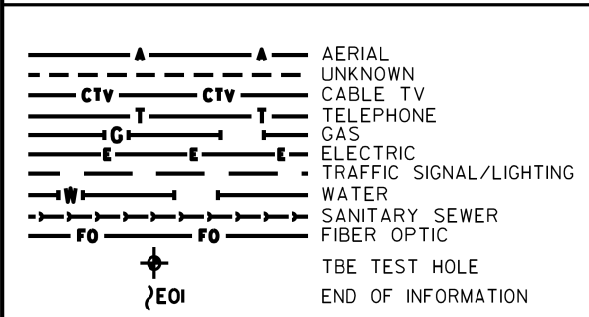
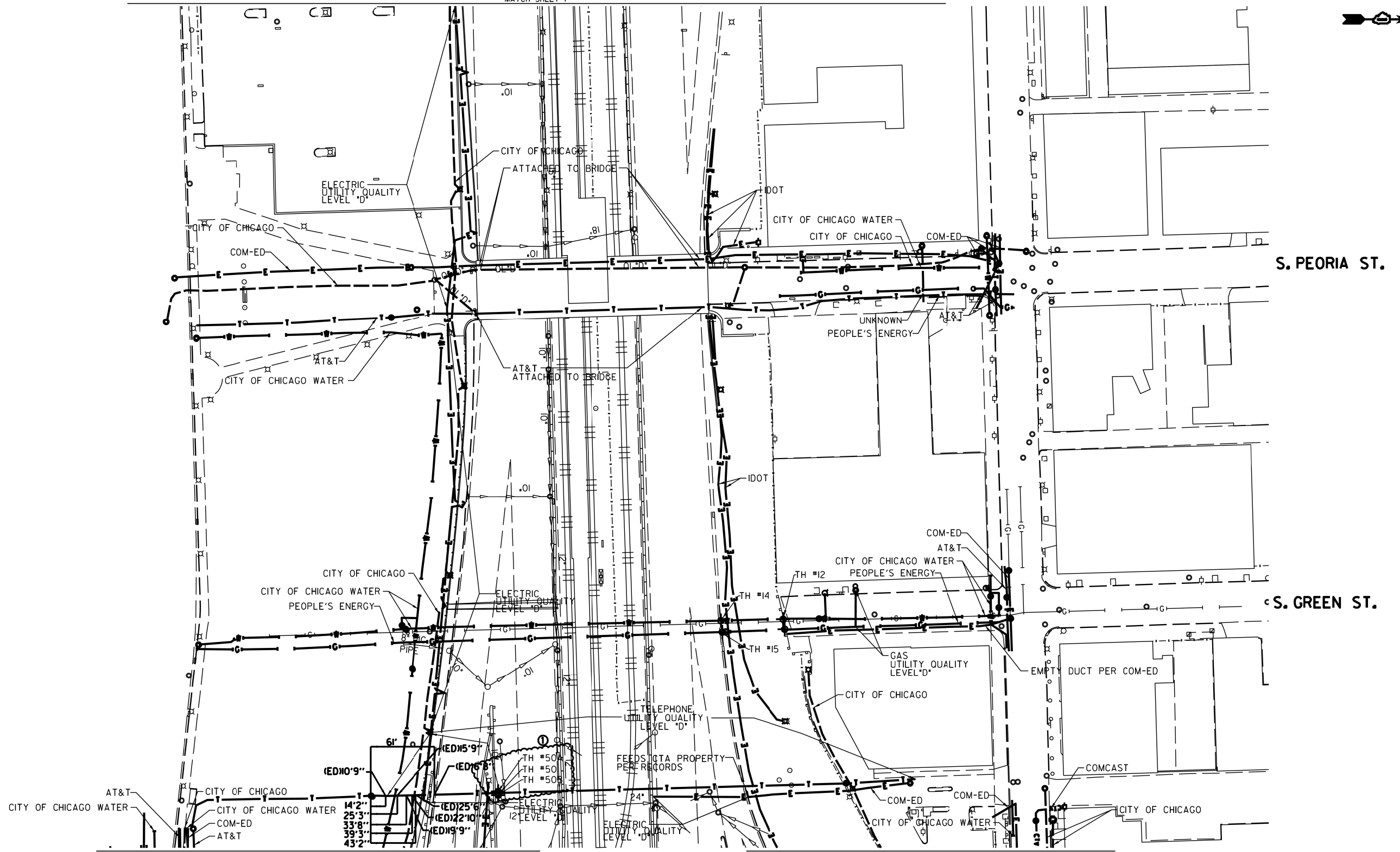
Utility Quality Level "A": Visually Verified Test Hole
Utility Quality Level "B": Designating/non Visually Verified Test Hole
Utility Quality Level "C": Research with Survey
Utility Quality Level "D": Records Research

DESIGNED	JP	REVISED	12/20/16
DRAWN	SRK	REVISED	
CHECKED	MGR	REVISED	
DATE	12/18/15	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-94-901-290 (Circle Interchange)
Chicago, Illinois

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-066T	Cook	83	63
FED. ROAD DIST. NO. ILLINOIS IDOT Project No. P-91-259-12			Contract No. 62D78	



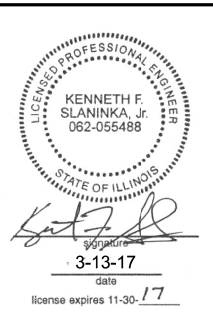
UTILITY OWNERS	
AT&T	= TELEPHONE
COMCAST	= CABLE TV
COM-ED	= ELECTRIC
CITY OF CHICAGO	= ELECTRIC
CITY OF CHICAGO WATER	= WATER
IDOT	= ELECTRIC
PEOPLE'S ENERGY	= GAS

NOTE: ALL ELECTRONIC DEPTHS MARKED AS (ED) WERE OBTAINED UTILIZING A SONDE DEVICE. DEPTHS ON THE AT&T DUCT WERE RECORDED FROM AN AT&T CONTRACTOR. DEPTHS ON THE COMED DUCT WERE RECORDED BY A CARDNO CREW. CARDNO CAN NOT VERIFY THE ACCURACY OF THESE DEPTHS AND SHOULD BE USED AS APPROXIMATE AND AS INFORMATION ONLY.

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 3/14/13 THROUGH 7/25/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

ADDITIONAL CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 11/17/16 THROUGH 12/09/16 AND SURVEYED BY CLAASSEN, WHITE & ASSOCIATES.

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



CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
12 AIRPORT DRIVE, SUITE 1, JOLIET, ILLINOIS 60438
(815) 744-3723 clausenwhite@cwasurevey.com

Dynasty Group
Engineers & Surveyors
*90/94/290 TBE Job No. IL09510531, 563, 647, 737
SUE Plan Pages 2 of 12

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

DESIGNED	JP	REVISED	12/20/16
DRAWN	SRK	REVISED	
CHECKED	MGR	REVISED	
DATE	12/18/15	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-941-901-290 (Circle Interchange)
Chicago, Illinois

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-066T	Cook	83	64
FED. ROAD DIST. NO.			ILLINOIS IDOT Project No. P-91-259-12	

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	EXISTING TOP ELEVATION	EXISTING CUT	REFERENCE ELEVATION	SUE QUALITY LEVEL	COMMENTS
1	N/A TUNNEL	1897611.31	1171790.60	573.30'	7.17'	580.47'	A	NORTH EDGE
2	N/A TUNNEL	1897605.50	1171792.00	573.36'	6.92'	580.28'	A	SOUTH EDGE
3	N/A TUNNEL	1897600.91	1171359.65	573.15'	3.86'	577.01'	A	NORTH EDGE
4	N/A TUNNEL	1897595.46	1171360.49	573.09'	3.90'	576.99'	A	SOUTH EDGE
5	N/A THRUST BLOCK	1897513.66	1171678.90	589.72'	6.56'	596.28'	A	
5A	N/A THRUST BLOCK	1897513.63	1171676.05	589.64'	7.20'	596.84'	A	
6	N/A THRUST BLOCK	1897522.75	1171594.74	589.37'	6.68'	596.05'	A	
6A	N/A THRUST BLOCK	1897524.90	1171593.77	589.37'	6.76'	596.13'	A	
6B	N/A THRUST BLOCK	1897525.17	1171595.71	589.38'	6.73'	596.11'	A	
7	N/A THRUST BLOCK	1897506.19	1171582.40	589.21'	6.36'	595.57'	A	
7A	N/A THRUST BLOCK	1897505.10	1171584.54	589.20'	6.42'	595.62'	A	
8	8" WATER	1897811.64	1169853.98	586.86'	7.31'	594.17'	A	
9	N/A THRUST BLOCK	1897812.80	1169876.49	588.42'	4.88'	593.30'	A	
10	N/A THRUST BLOCK	1897815.06	1169870.75	588.64'	5.09'	593.73'	A	
11	SEE NOTE WATER	1897813.75	1169879.18	588.06'	5.49'	593.55'	A	
11A	24"x24" ELECTRIC	1897814.13	1169877.49	591.41'	2.03'	593.44'	A	
12	16" WATER	1898158.45	1170801.96	586.95'	6.60'	593.55'	A	
13	24" GAS	1898159.98	1170811.42	590.55'	3.22'	593.77'	A	
14	16" WATER	1898098.96	1170803.32	570.59'	5.30'	575.89'	A	
15	20" GAS	1898100.29	1170814.06	569.38'	6.45'	575.83'	A	
16	N/A TUNNEL	1898000.74	1171597.17	569.79'	8.10'	577.89'	A	
17	N/A TUNNEL	1897991.35	1171521.95	572.07'	4.11'	576.18'	A	
18	N/A TUNNEL	1897921.01	1171524.66	572.02'	3.99'	576.01'	A	
19	60" SIPHON	1898449.22	1171402.46	572.68'	7.88'	580.56'	A	
20	60" SIPHON	1898448.41	1171318.35	572.62'	6.12'	578.74'	B	
21	2-(4") FIBER OPTIC	1898798.52	1171364.87	581.80'	6.04'	587.84'	A	
22	60" SIPHON	1898456.60	1171716.09	571.31'	11.07'	582.38'	A	
23	2-(4") FIBER OPTIC	1898807.90	1171637.47	574.87'	9.02'	583.89'	A	
24	SEE NOTE WATER	1898820.21	1171602.72	571.87'	4.71'	576.58'	A	
25	SEE NOTE WATER	1898820.37	1171608.33	571.65'	5.80'	577.45'	B	

NOTES

TH #1 - Found North edge of what appears to be a 6' wide wooden frame around utility tunnel. Frame has appearance of wooden railroad ties.
 TH #2 - Found South edge of what appears to be a 6' wide wooden frame around utility tunnel. Frame has appearance of wooden railroad ties.
 TH #3 - Found North edge of what appears to be a 6' wide wooden frame around utility tunnel. Frame has appearance of wooden railroad ties. Wooden frame is 5" thick.
 TH #4 - Found South edge of what appears to be a 6' wide wooden frame around utility tunnel. Frame has appearance of wooden railroad ties.
 TH #5 - Found North edge of Thrust Block.
 TH #5A - Found North edge of Thrust Block. Reference point placed on east curb of driveway.
 TH #6 - Found West edge of Thrust Block.
 TH #6A - Found a 90 degree bend on Thrust Block. Reference point placed in line with bend.
 TH #6B - Found North edge of Thrust Block.
 TH #7 - Found North edge of Thrust Block.
 TH #7A - Found North edge of Thrust Block.
 TH #9 - Found what is believed to be the southern edge of thrust block.
 TH #10 - Found what is believed to be the southern edge of thrust block. Also found a vertical concrete structure that the thrust block seemed to go around. Reference point was placed where edge of thrust block met this structure.
 TH #11 - Found the east edge of water main at the bend. Water main was directly under City of Chicago electric duct and could not verify a size. Records show that this main is a 30". Reference point was placed directly in line with the eastern edge of pipe at the center of bend.
 TH #11A - Found a 24x24 concrete electric duct while excavating for water main.
 TH #13 - Exposed fitting connecting steel gas main to cast iron gas main. (Per Joe People's Energy Inspector)
 TH #14 - Did not find bend. Water main was still on slight downward slope.
 TH #15 - Gas main was still on slight downward slope. Exposed pipe at a weld but could not determine if this was part of the bend.
 TH #16 - Exposed Northern edge of CTA Tunnel.
 TH #17 - Top of CTA Tunnel.
 TH #18 - Top of CTA Tunnel.
 TH #19 - Exposed what we believe to be the crown of the concrete pipe. Records indicate the utility size to be 60".
 TH #20 - Unable to visually verify utility due to back fill infiltrating the test hole. However, by utilizing the air lance we were able to feel what is believed to be the edges and top of the pipe. Records indicate utility to be a 60" pipe.
 TH #22 - Exposed what we believe to be the crown of the concrete pipe. Records indicate the utility to be a 60" pipe.
 TH #24 - Briefly had a visual of the utility until sand and ground water infiltrated the test hole. By utilizing the air lance we were able to feel what is believed to be the edges and top of pipe. Records indicate the utility to be a 16" pipe.
 TH #25 - Unable to visually verify utility due to back fill infiltrating the test hole. However, by utilizing the air lance we were able to feel what is believed to be the edges and top of the pipe. Records indicate utility to be a 16" pipe.

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.



CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
 PLANNING * UTILITY ENGINEERING/LOCATING

Checked By: *[Signature]*
 Date: 3/13/17 TBE Job No. IL095053L 563, 647, 737 SHEET 1 OF 3

DESIGNED EG	REVISED			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-941-901-290 (Circle Interchange) Chicago, Illinois	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN SRK	REVISED					*	2016-066T	Cook	83	65	
CHECKED MGR	REVISED					Contract 62078					
DATE 12/18/15	REVISED					SHEET NO.	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS	Job No. P-91-259-12

VERIFIED UTILITY INFORMATION

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	EXISTING TOP ELEVATION	EXISTING CUT	REFERENCE ELEVATION	SUE QUALITY LEVEL	COMMENTS
44	SEE NOTE GAS	1897941.863	1167859.669	572.26'	8.14'	580.40'	B	
45	18"x4" ELECTRIC	1897934.185	1168300.312	574.30'	5.26'	579.56'	A	
46	6" UNKOWN	1897935.218	1168302.972	577.15'	2.31'	579.46'	A	
47	60" SANITARY	1897000.917	1171469.596	582.85'	9.84'	592.69'	A	
48	SEE NOTE WATER	1900713.310	1171605.295	571.30'	8.18'	579.48'	B	
49	2" WATER	1897809.914	1169798.544	588.83'	4.92'	593.75'	A	
49A	8" WATER	1897809.914	1169798.544	587.83'	5.92'	593.75'	A	
50	42" TELEPHONE	1897887.300	1170967.618	568.18'	7.04'	575.22'	A	
50A	2" TELEPHONE	1897887.267	1170965.824	570.40'	4.81'	575.21'	A	
50B	42" TELEPHONE	1897887.404	1170969.381	568.18'	7.04'	575.22'	A	
51	(2) 4" ELECTRIC	1897848.317	1170019.373	573.62'	3.71'	577.33'	A	
51A	(2) 4" ELECTRIC	1897848.348	1170018.630	573.73'	3.63'	577.36'	A	
52	16" WATER	1898832.110	1171343.510	587.38'	5.02'	592.40'	A	
52A	(2) 4" FIBER OPTIC	1898829.974	1171344.221	589.65'	2.92'	592.57'	A	
53	16" WATER	1898840.107	1171675.502	587.67'	5.08'	592.75'	A	
54	12" WATER	1900715.908	1171642.460	586.55'	7.00'	593.55'	A	
54A	12" WATER	1900715.908	1900715.908	570.95'	22.60'	593.55'	A	

NOTES

TH #44 - Unable to visually verify utility due to back fill infiltrating the test hole. However, by utilizing the air lance we were able to feel what is believed to be the edges and top of the pipe. Records indicate utility to be a 18" pipe.

TH #48 - Unable to visually verify utility due to back fill infiltrating the test hole. However, by utilizing the air lance we were able to feel what is believed to be the edges and top of the pipe. Records indicate utility to be a 12" pipe.

TH #51 - Found (2) 4" conduits side by side. Reference placed in the center of Eastern pipe.

TH #51A - Found (2) 4" conduits side by side. Reference placed in the center of Western pipe.

TH #52A - Found (2) 4" conduits side by side. Reference placed in the center of the two pipes.

TH #54 - Claassen, White & Associates obtained an elevation of 586.55 on the 90 degree bend on the water main inside the manhole. The approximate manual depth of 7' was also obtained by Claassen, White & Associates.

TH #54A - Claassen, White & Associates obtained an elevation of 570.95 on the water main near the bottom of the manhole as it heads West. The approximate manual depth of 22.6' was also obtained by Claassen, White & Associates.

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
 LAND SURVEYORS
 121 AIRPORT DRIVE, UNIT 1, JOLETT, ILLINOIS 60431
 (815) 744-3120 claassenwhitecosurvey.com



CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
 PLANNING * UTILITY ENGINEERING/LOCATING

Checked By: *[Signature]*
 Date: 3/13/17 TBE Job No. IL0950531, 563, 647, 737
 SHEET 3 OF 3

DESIGNED EJ	REVISED 3/07/17 ADDED TH#52-54
DRAWN KLC	REVISED 3/13/17 ADDED TH#54A
CHECKED KS	REVISED
DATE 12/20/16	REVISED

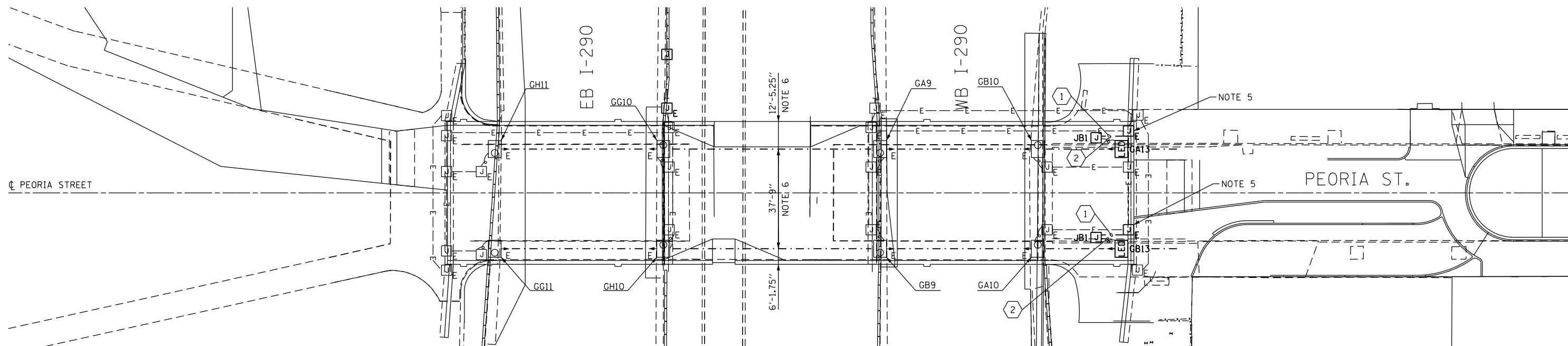
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-941-901-290 (Circle Interchange)
 Chicago, Illinois

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-066T	Cook	83	66
FED. ROAD DIST. NO. ILLINOIS			Contract 62D78 Job No. P-91-259-12	

SHEET NO. STA. TO STA.

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PROPOSED UNDERPASS LIGHTING PLAN

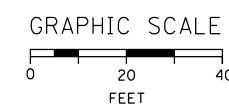
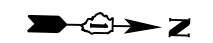
NOTES:

1. SEE THIS SHEET FOR IDOT ELECTRICAL SYMBOLS AND ABBREVIATIONS.
2. EXISTING ELECTRICAL SYSTEMS, WHEN DEPICTED ON THE PLANS, ARE INTENDED TO INDICATE THE GENERAL EQUIPMENT INSTALLATIONS INVOLVED AND SHALL NOT BE CONSTRUED AS AN EXACT REPRESENTATION OF THE FIELD CONDITIONS. IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE TO CONFIRM AND ASCERTAIN THE EXACT CONDITION, SIZE, TYPE, QUANTITY AND LOCATION OF THE EXISTING ELECTRICAL EQUIPMENT. ANY DISCREPANCIES BETWEEN THE EXISTING ELECTRICAL EQUIPMENT IN THE FIELD AND THE DEPICTION OF THE EXISTING ELECTRICAL EQUIPMENT SHOWN ON THE PLANS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER FOR RESOLUTION. FAILURE TO VERIFY THE CONDITIONS, DIMENSIONS AND DETAILS OF THE EXISTING ELECTRICAL EQUIPMENT TO CONFIRM THAT THE NEW EQUIPMENT IS COMPATIBLE WITH THE EXISTING EQUIPMENT AND CAN BE PROPERLY INSTALLED AND CONNECTED AS SHOWN ON THE PLANS WILL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR PROVIDING A SAFE, COMPLETE AND FULLY FUNCTIONAL ELECTRICAL SYSTEM.
3. SEE IDOT STANDARD DRAWING BE-900 FOR ADDITIONAL INSTALLATION DETAILS FOR PROPOSED SUSPENDED MOUNT UNDERPASS LUMINAIRES.
4. ALL PROPOSED UNDERPASS LIGHTING UNITS SHOWN ON THIS DRAWING WILL BE FED FROM EXISTING IDOT LIGHTING CONTROLLER "G".
5. DRILL THE EXISTING JUNCTION BOX AND CONNECT THE NEW LIGHTING CABLES TO THE EXISTING LIGHTING CIRCUIT CABLES WITHIN THAT JUNCTION BOX.
6. DIMENSIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL CENTER THE UNDERPASS LUMINAIRES BETWEEN THE BRIDGE GIRDERS AND SHALL BE SET BACK 2 FEET FROM EDGE OF PAVEMENT. ALL UNDERPASS LIGHTING WORK MUST BE COORDINATED WITH THE CONDUITS ATTACHED TO STRUCTURE INSTALLED BETWEEN THE BRIDGE GIRDERS AND AS DIRECTED BY THE ENGINEER.
7. THE CONTRACTOR SHALL DESIGN AND PROVIDE AN UNDERPASS LUMINAIRE HANGER SYSTEM MOUNTED BETWEEN AND ATTACHED TO THE EXISTING PEORIA BRIDGE DIAPHRAGMS. THE UNDERPASS LUMINAIRES WILL BE ATTACHED TO THE BRIDGE STRUCTURE WITHOUT DRILLING INTO THE EXISTING DECK AND THE STEEL MEMBERS. THE LUMINAIRE AND THE ASSOCIATED HANGER SYSTEM SHALL BE INSTALLED AT AN ELEVATION ABOVE THE BOTTOM FLANGE OF THE I-BEAMS. THE DESIGN OF THE LUMINAIRE HANGER SYSTEM AND ALL RELEVANT CUT SHEETS SHALL BE SUBMITTED TO AND APPROVED BY IDOT PRIOR TO INSTALLATION. THE COST TO DESIGN, FURNISH AND INSTALL THE HANGER SYSTEM SHALL BE INCLUDED IN THE COST OF THE LED UNDERPASS LUMINAIRE PAY ITEM.

- EXISTING JUNCTION BOX TO REMAIN
- UNDERPASS LUMINAIRE, LED, TYPE C SUSPENDED MOUNT. NOTES 3 AND 7

JUNCTION BOX SCHEDULE		
NO.	SIZE	DESCRIPTION
JB1	6"X6"X4"	STAINLESS STEEL, ATTACHED TO STRUCTURE, UNDERPASS LIGHTING

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



E-01



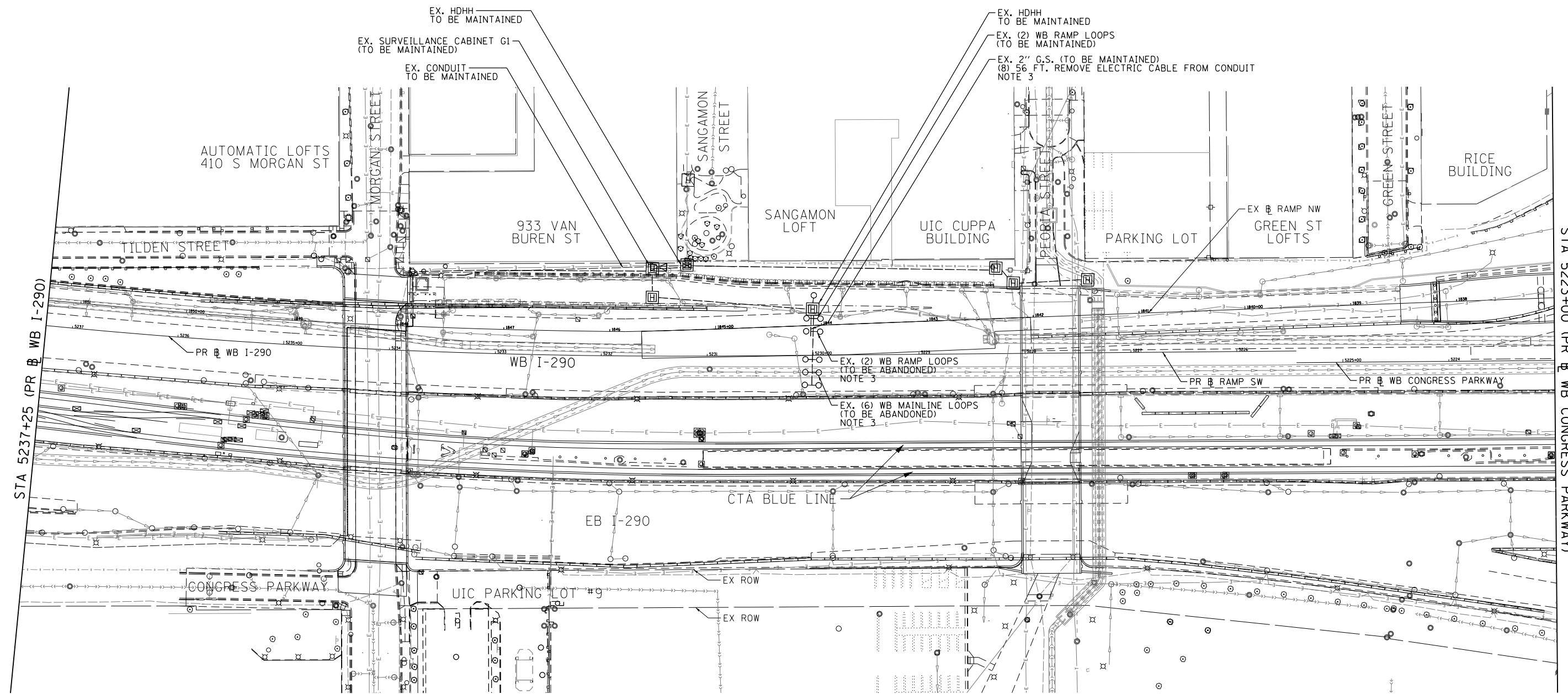
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PLOT DATE = 5/4/2017	DATE - 5/4/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

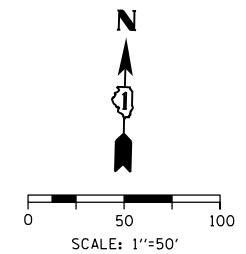
PEORIA STREET UNDERPASS LIGHTING PLAN

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	67
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				



- NOTES:**
1. HANDHOLES, CONDUITS, LOOPS AND SURVEILLANCE CABINET SHOWN IN THIS PLAN ARE TO BE INSTALLED UNDER CONTRACT 60X61.
 2. WB MAINLINE LOOPS ARE TEMPORARY UNDER CONTRACT 60X61 AND ARE TO BE ABANDONED UNDER THIS CONTRACT.
 3. DISCONNECT THE NO. 18 4/C WIRES FROM THE EXISTING LOOPS. PULL BACK TO THE EXISTING HDHH IN INSIDE SHOULDER. CUT CABLES LEAVING SUFFICIENT LENGTH FOR NEW SPLICES WITHIN THIS HDHH. PROTECT CABLES FOR FUTURE USE. THIS WORK IS INCLUDED IN THE COST OF THE PREFORMED INDUCTION LOOP.



STA 5223+00 (PR WB CONGRESS PARKWAY)

STA 5237+25 (PR WB I-290)

ITS-01

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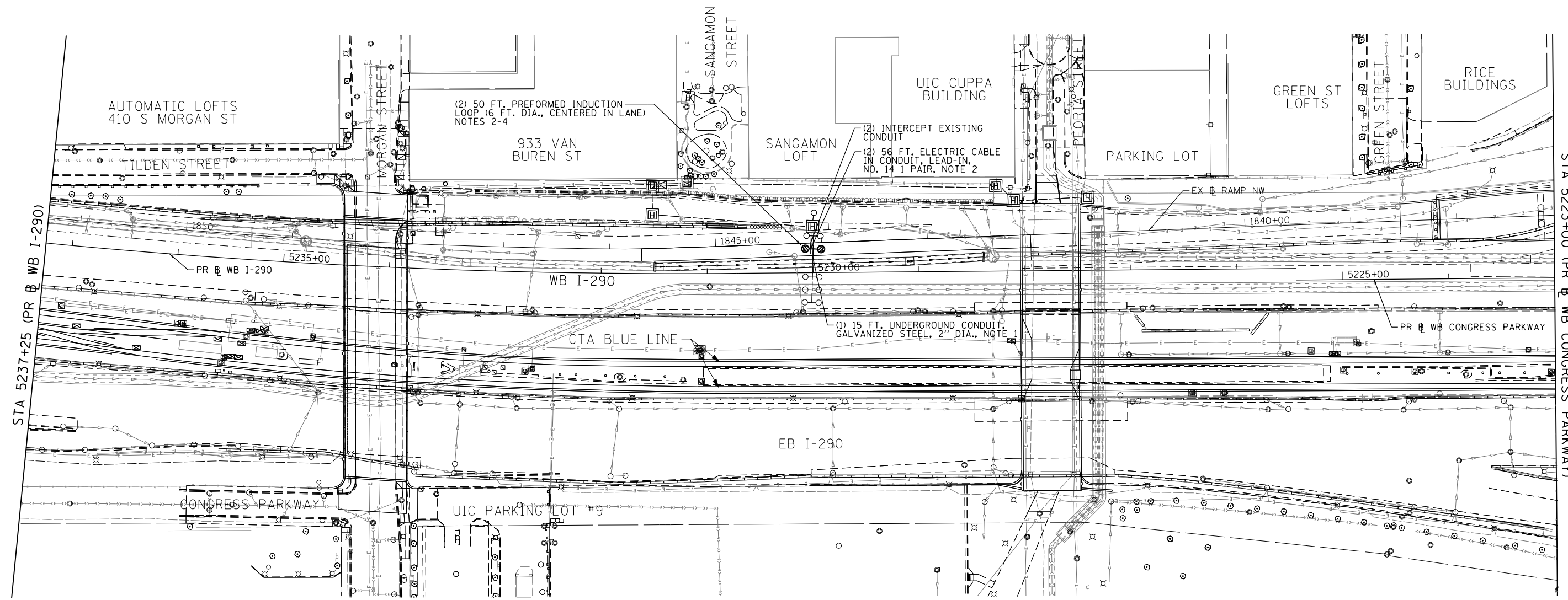
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DRAWN - MJL	REVISED -
CHECKED - ME	REVISED -
DATE - 5/4/2017	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING/MAINTAINING ITS PLAN
 WB I-290 MAINLINE**

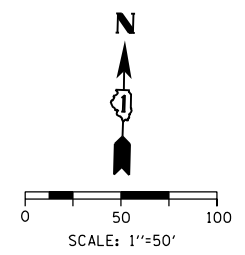
SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 5237+25 TO STA. 5223+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	68
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				



NOTES:

1. UNDERGROUND CONDUIT TO BE INSTALLED PER ROADWAY CONSTRUCTION PLANS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE "UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA." PAY ITEM. STUB AND CAP CONDUIT FOR FUTURE CONNECTION.
2. SPLICE NO. 14 LOOP CABLES TO EXISTING NO. 18 CABLES IN THE EXISTING HDHH IN THE NORTH SHOULDER.
3. INDUCTION LOOPS TO BE CENTERED IN MARKED I-290 WB TRAVEL LANES.
4. REFER TO IDOT STANDARD DRAWING TY-ITSC-418*1.
5. LOCATIONS OF EXISTING IDOT ELECTRICAL/ITS EQUIPMENT SHOWN ON THIS SHEET ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
6. ALL WORK SHOWN ON THIS SHEET MUST BE COORDINATED WITH THIS CONTRACT'S CONSTRUCTION WORK AND STAGING.



ITS-02

FILE PATH = P:\62078\27\000_CAD\006_Roadway\Printung\62078\Final_20170606.dwg



D162078-sht-ITS-02.dgn
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 PLOT DATE = 5/2/2017

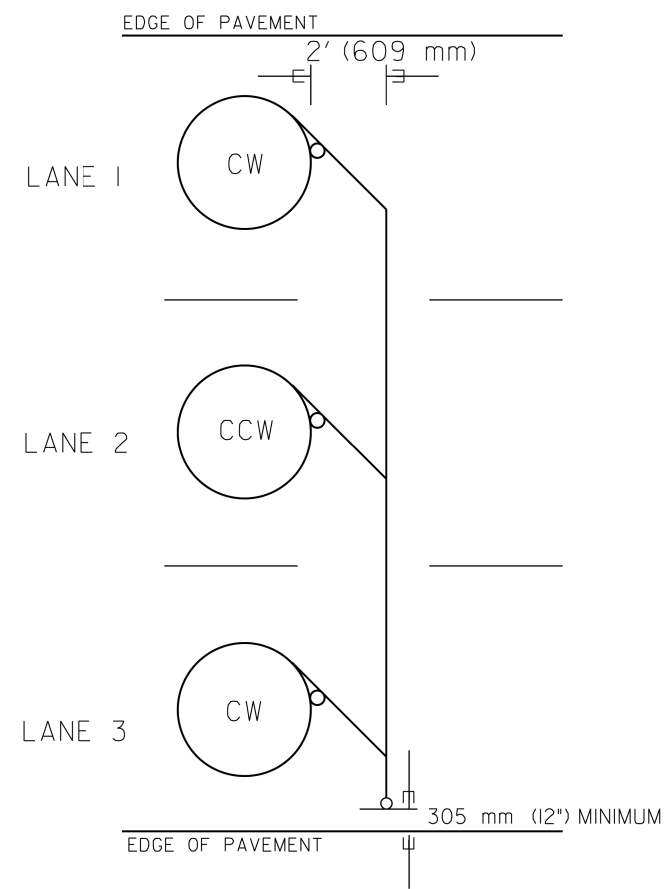
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CHECKED - ME	REVISED -
DATE - 5/4/2017	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

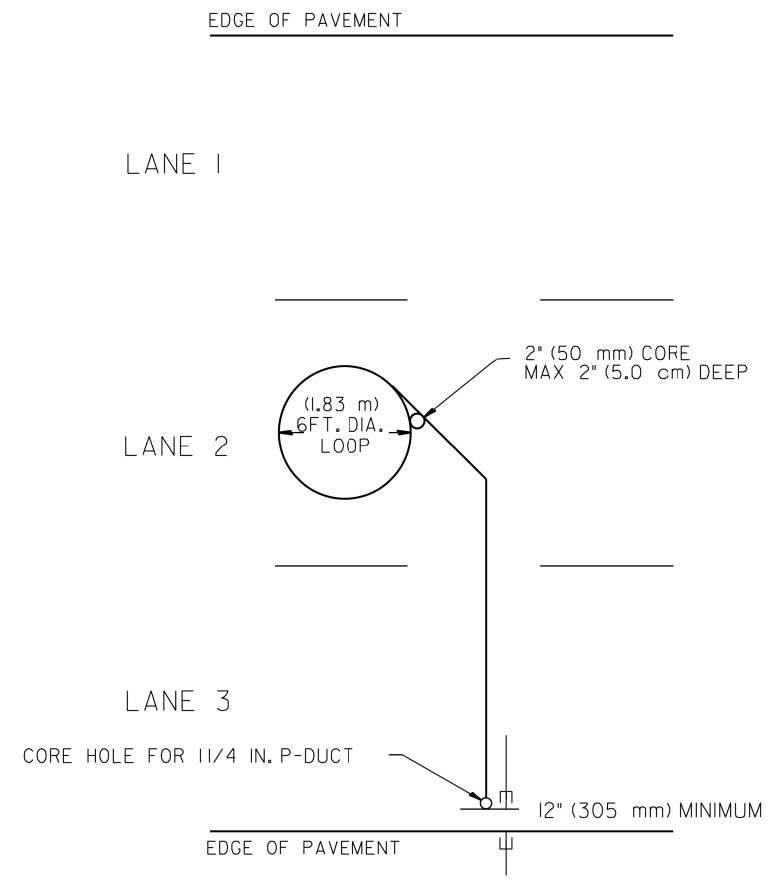
**PROPOSED ITS PLAN
 WB I-290 MAINLINE**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 5237+25 TO STA. 5223+00

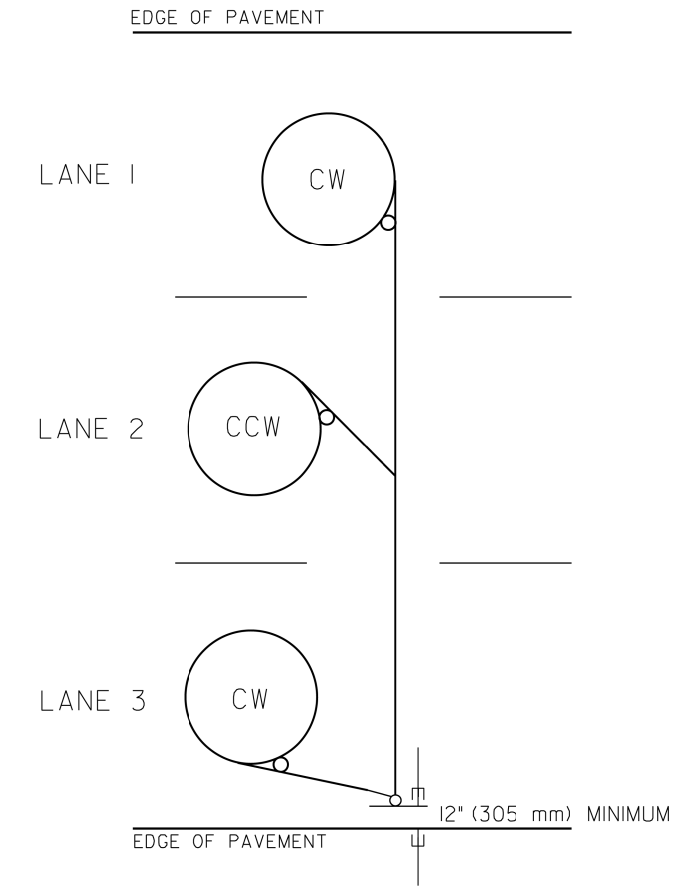
F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 69
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				



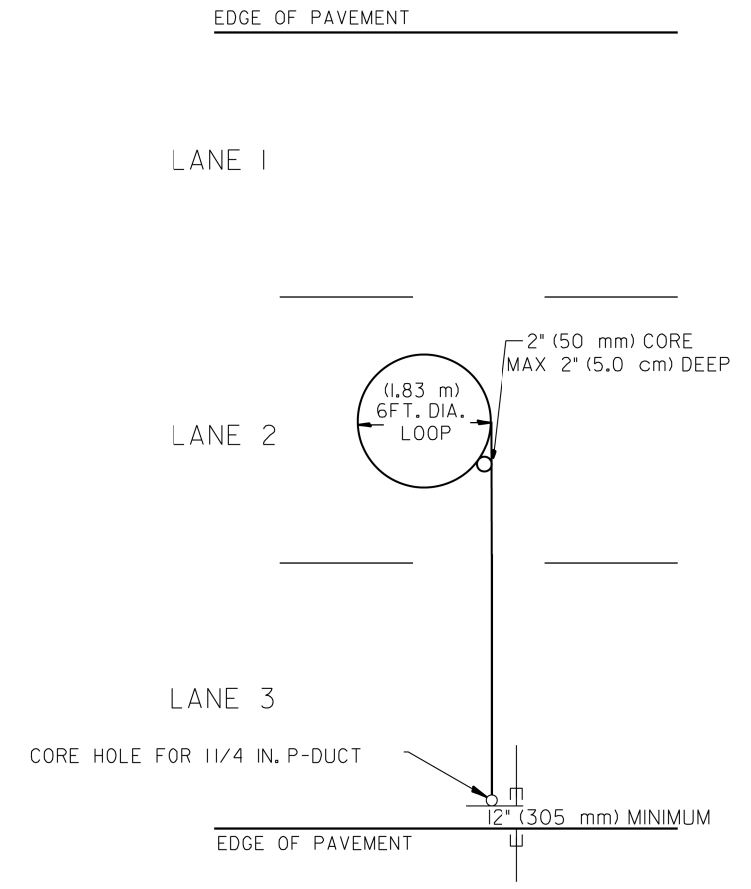
TYPICAL 6' (1.83 m) DIA. INDUCTION LOOP CORE DRILL
LAYOUT FOR MULTIPLE LANE ROADWAY



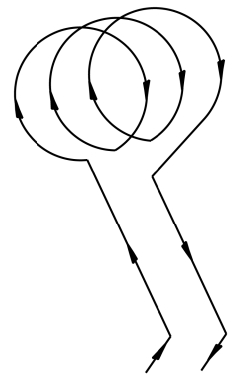
TYPICAL 6' (1.83 m) DIA. INDUCTION LOOP
LAYOUT FOR LANE 2



TYPICAL 6' (1.83 m) DIA. INDUCTION LOOP CORE DRILL
LAYOUT FOR MULTIPLE LANE ROADWAY



TYPICAL 6' (1.83 m) DIA. INDUCTION LOOP
LAYOUT FOR LANE 2



WIRING DETAILS

NOTES

1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 150' (45 m) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

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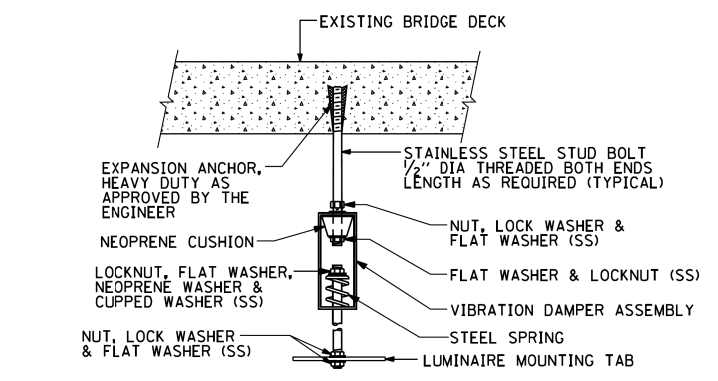
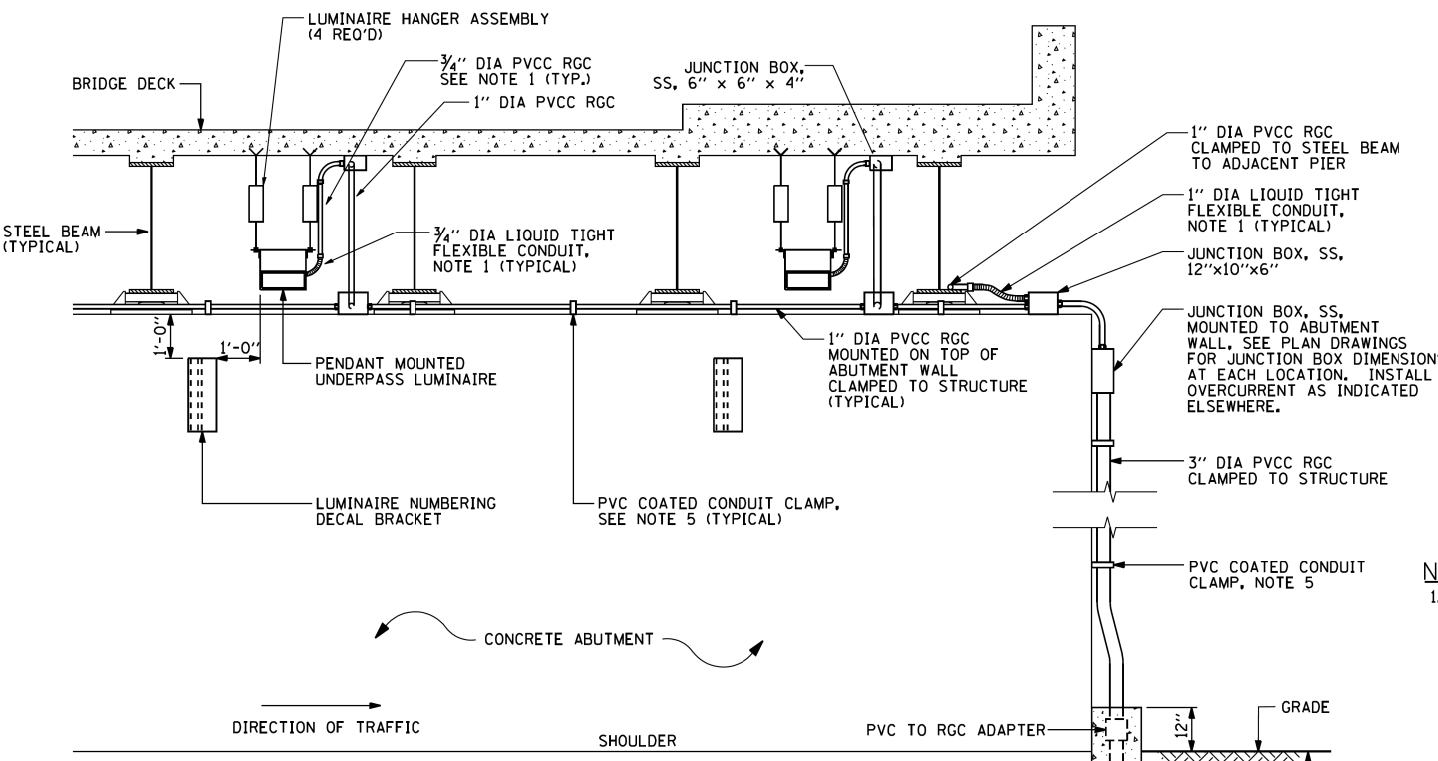
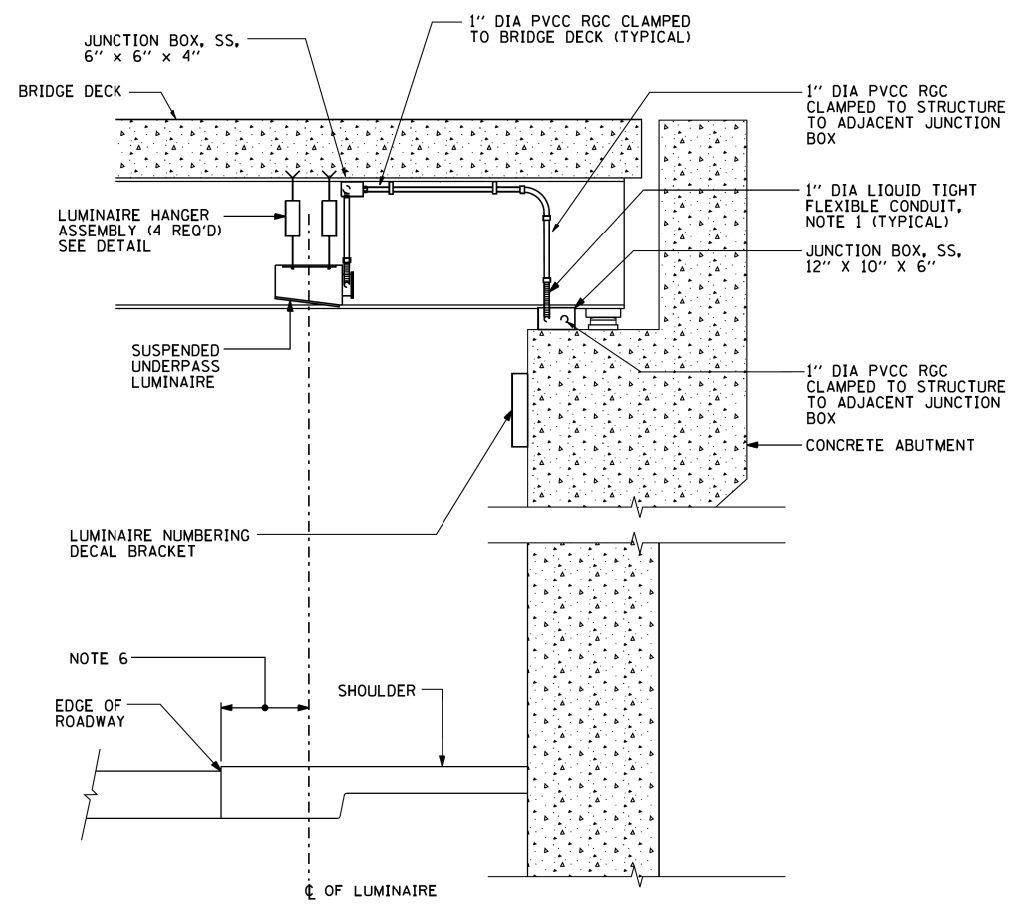
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

EXISTING ROUND LOOP
INSTALLATION

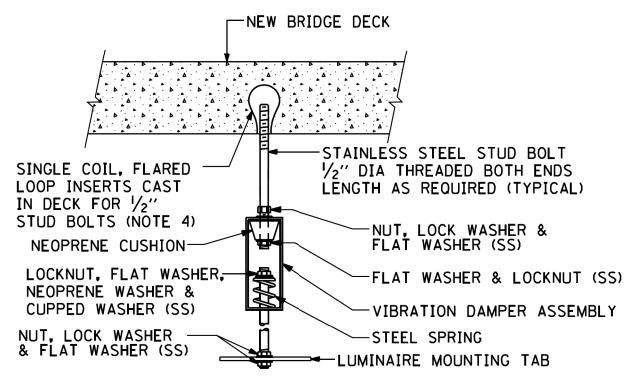
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* 90/94/290			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	2016-066T	COOK	83
			SHEET NO. 70
CONTRACT NO. 62078			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

TRAFFIC SYSTEMS CENTER (TY-ITSC-418#1)

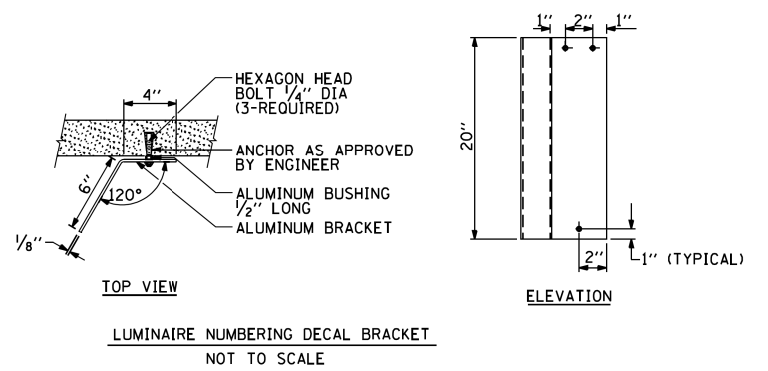


EXISTING BRIDGE DECK INSTALLATION

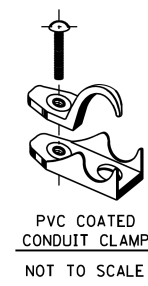
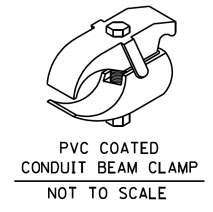


NEW BRIDGE DECK INSTALLATION

TYPICAL LUMINAIRE HANGER ASSEMBLY DETAILS



LUMINAIRE NUMBERING DECAL BRACKET NOT TO SCALE



NOTES:

- LIQUID TIGHT FLEXIBLE METAL CONDUIT, MAXIMUM LENGTH 6'-0", TYPICAL FOR EACH INSTANCE AS SHOWN, PROVIDE PVC COATED RIGID GALVANIZED STEEL CONDUIT AS REQUIRED NOT TO EXCEED 6'-0" OF FLEXIBLE LIQUID TIGHT METAL CONDUIT. LIQUID TIGHT FLEXIBLE METAL CONDUIT WILL BE INCLUDED IN THE COST OF THE CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED PAY ITEM EXCEPT THAT 3/4" DIA. CONDUIT AND 3/4" DIA. FLEXIBLE CONDUIT SHALL BE INCLUDED IN THE COST OF UNDERPASS LUMINAIRE INSTALLATION.
- SEE UNDERPASS LIGHTING PLANS FOR INSTALLATION LOCATION OF UNDERPASS LIGHTING LUMINAIRES.
- THE CONTRACTOR SHALL USE APPROVED SINGLE COIL FLARED LOOP INSERTS WHEN SUSPENDED MOUNTING AN UNDERPASS LUMINAIRE TO A NEW BRIDGE DECK. THE FLARED LOOP INSERTS MUST BE CAST INTO THE CONCRETE DECK. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND COORDINATING THE INSERT LOCATIONS FOR MOUNTING THE UNDERPASS LIGHTING SYSTEM AS SHOWN ON THE PLANS WITH THE BRIDGE DECK CONTRACTOR. SEE DETAIL.
- THE UNDERPASS LUMINAIRE HANGER ASSEMBLY COMPLETE WITH HEAVY DUTY ANCHORS/INSERTS AND ALL APPLICABLE HARDWARE SHALL BE INCLUDED IN THE COST OF THE UNDERPASS LUMINAIRE PAY ITEM.
- SECURE THE CONDUIT WITH PVC COATED CONDUIT CLAMPS OR CONDUIT BEAM CLAMPS AS SHOWN AT 5'-0" INTERVALS FOR LATERALS AND WITHIN 2'-0" MAXIMUM FROM ANY JUNCTION BOX, FLEXIBLE CONDUIT, OR CHANGE IN DIRECTION. ALL PVC COATED CONDUIT CLAMPS OR BEAM CLAMPS SHALL BE INCLUDED WITH THE COST OF THE "CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED" PAY ITEM.
- ALL UNDERPASS LUMINAIRES MUST BE CENTERED IN THE BEAM SPACE AS INDICATED ON THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGR. LUMINAIRE SETBACK SHALL BE AS INDICATED IN PLANS FOR EACH SPECIFIC UNDERPASS
- THE CONCRETE ENCASED CONDUIT TRANSITION SHALL BE INCLUDED IN THE COST OF THE GALVANIZED RIGID STEEL CONDUIT PAY ITEMS.
- ALL CONDUIT ATTACHED TO STRUCTURE SHALL BE PVC COATED RIGID STEEL CONDUIT (PVCC RGC) TYPICAL.

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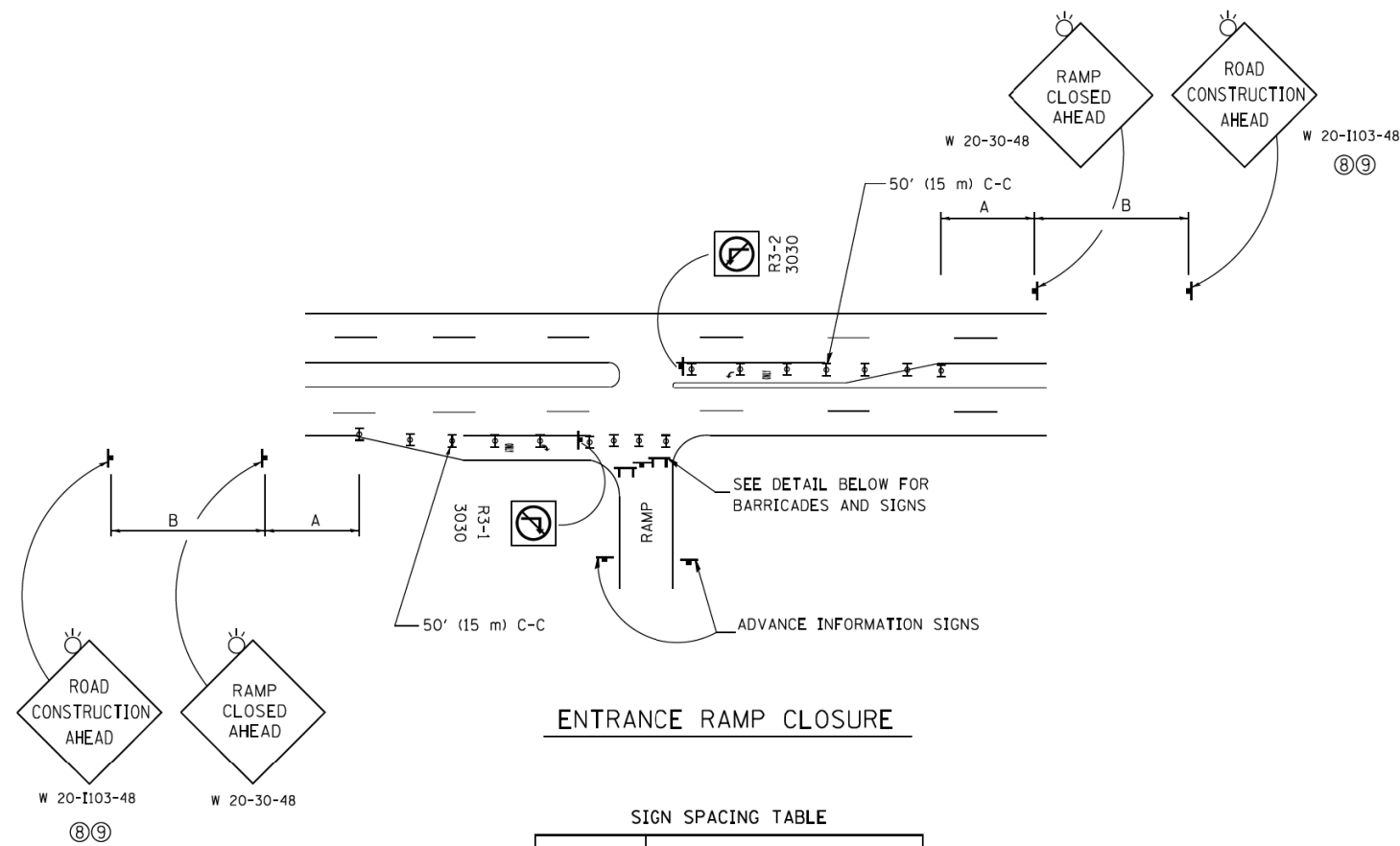
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DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: NONE				SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	
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* 90/94/290					
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*	2016-066T	COOK	83	71	
BE-900			CONTRACT NO. 62D78		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

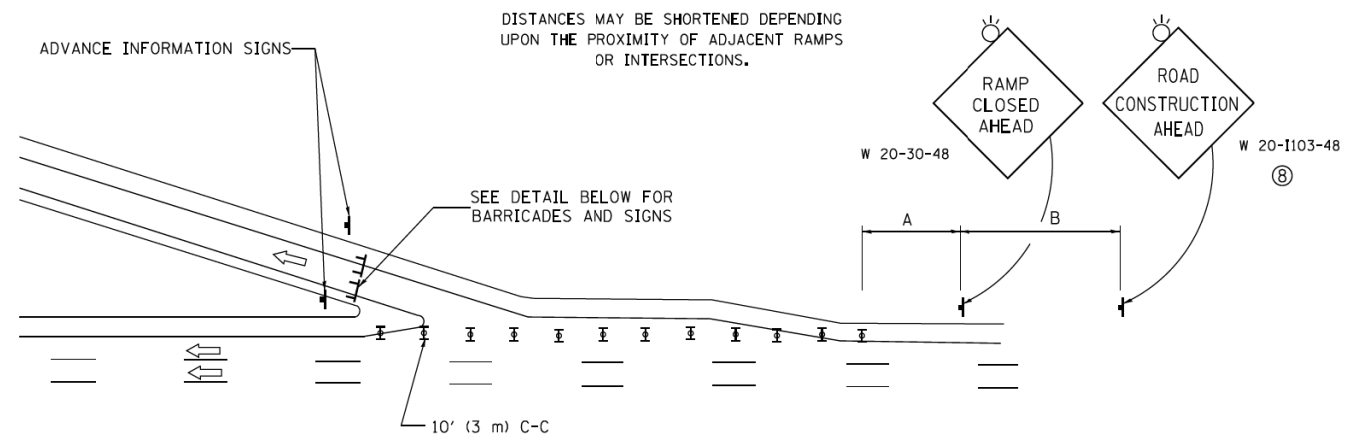


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

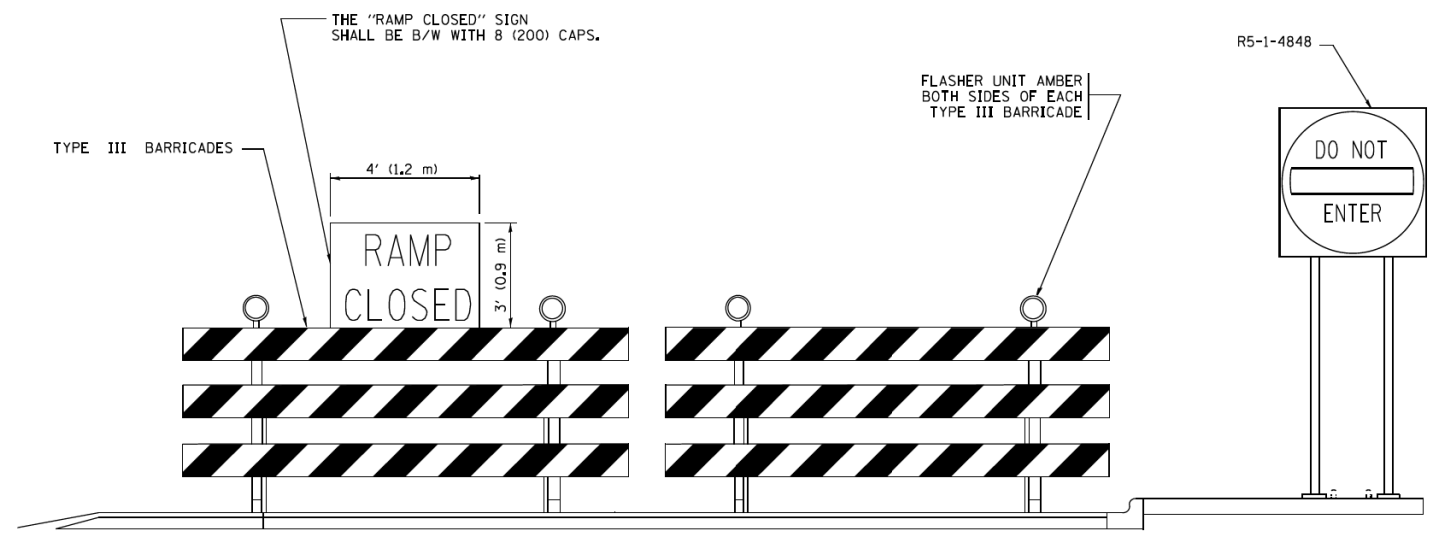
FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



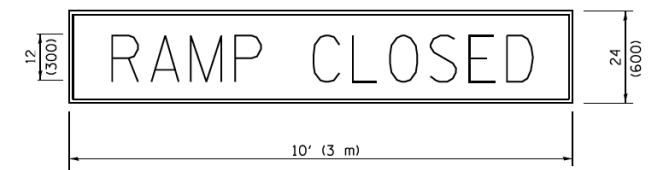
EXIT RAMP CLOSURE

- SYMBOLS**
- ▬ TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
 - ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS

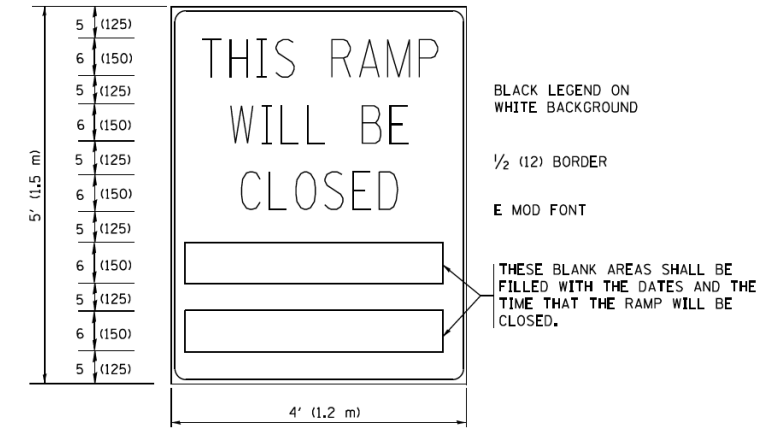
RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND
1/2 (12) BORDER
E MOD FONT

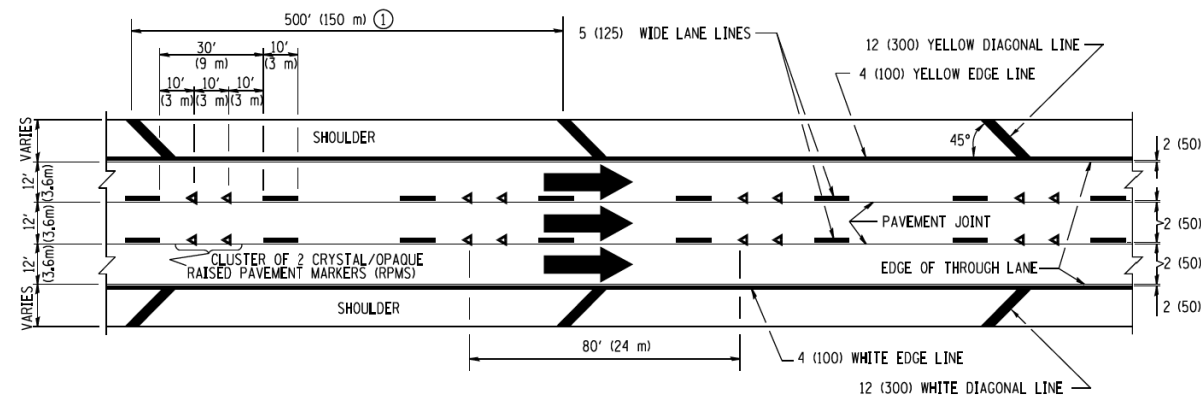
THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

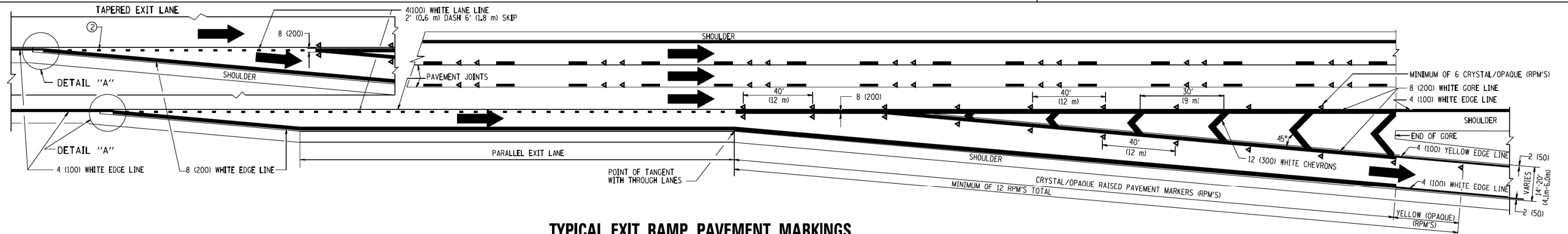
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
* 90/94/290



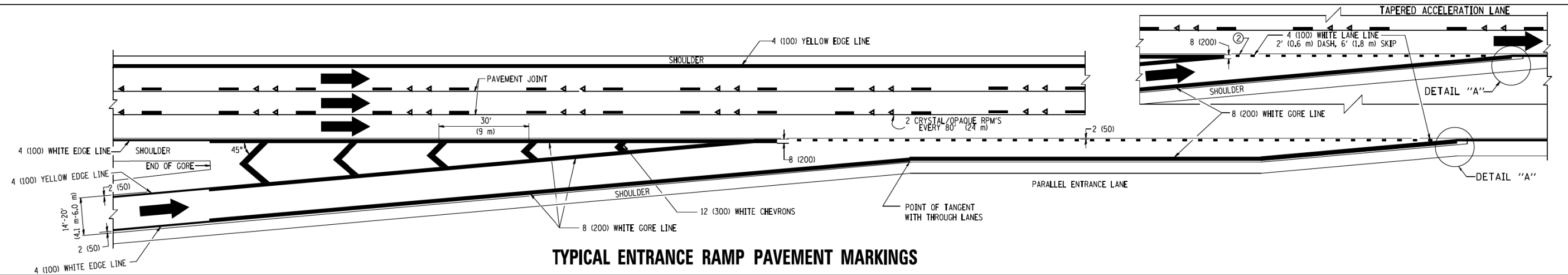
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

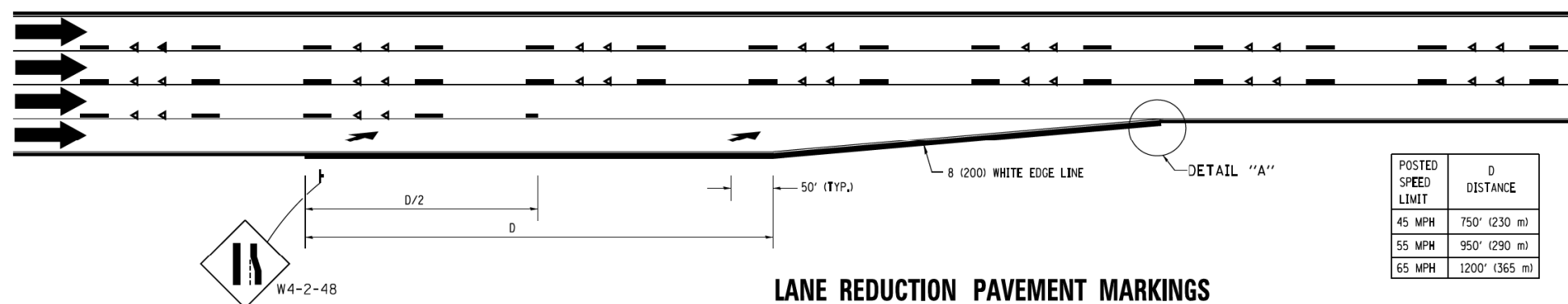
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE; INLAID OR GROOVED IN SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENT PROJECTS.
3. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC PROJECTS.



TYPICAL EXIT RAMP PAVEMENT MARKINGS

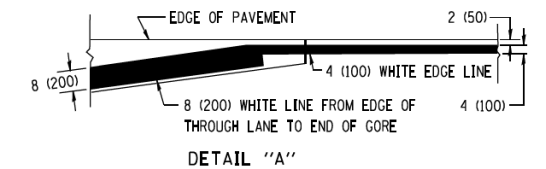


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)



- NOTES:**
- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
 - ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

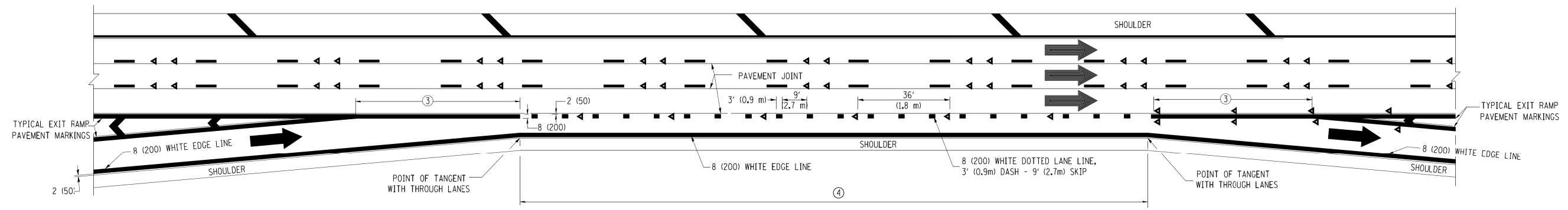
**MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS**

* 90/94/290

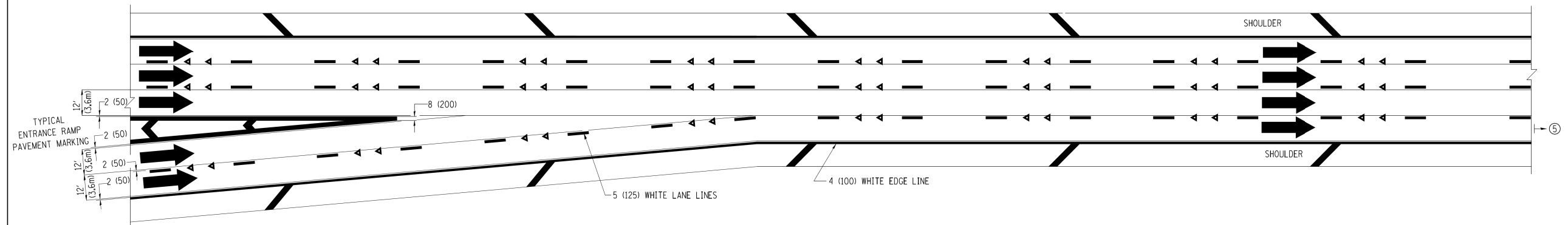
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SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. TO STA.

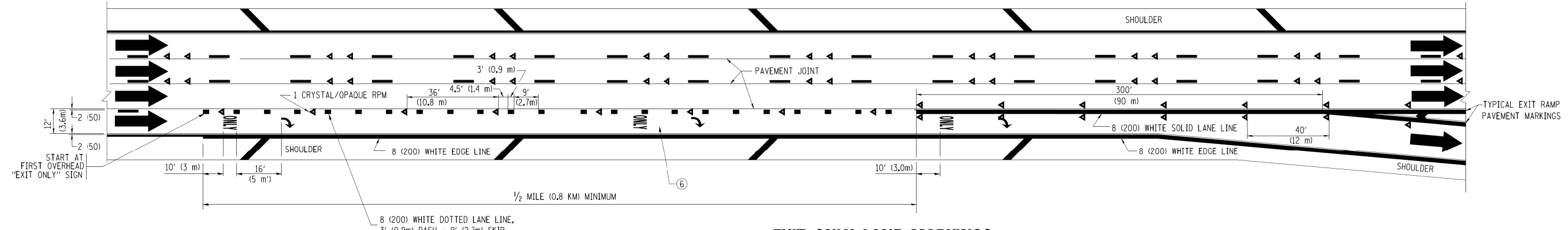
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-066T	COOK	83	73
TC-12		CONTRACT NO. 62D78		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



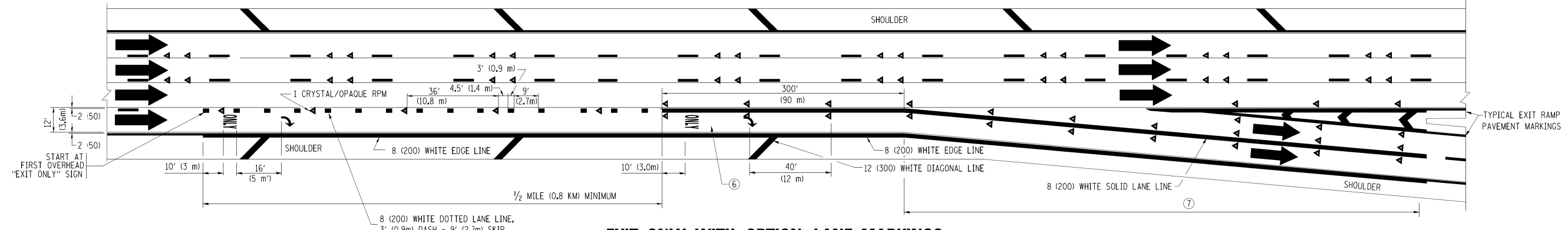
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

- NOTES**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

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c:\pwwork\pwwid\T\LEYSAN\d0108315\c12.dgn

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PLOT DATE = 1/22/2010

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DRAWN -
CHECKED -
DATE - 01-90

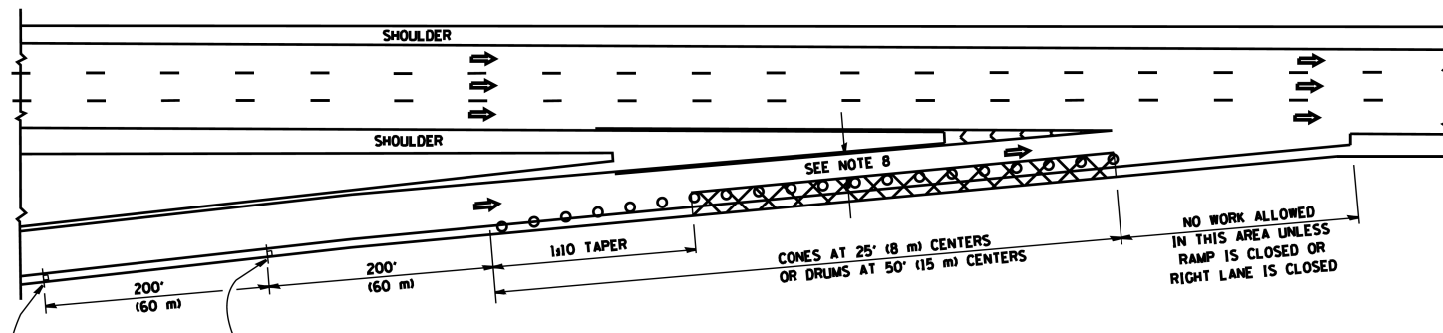
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REVISED - J.A.F. 02-06
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

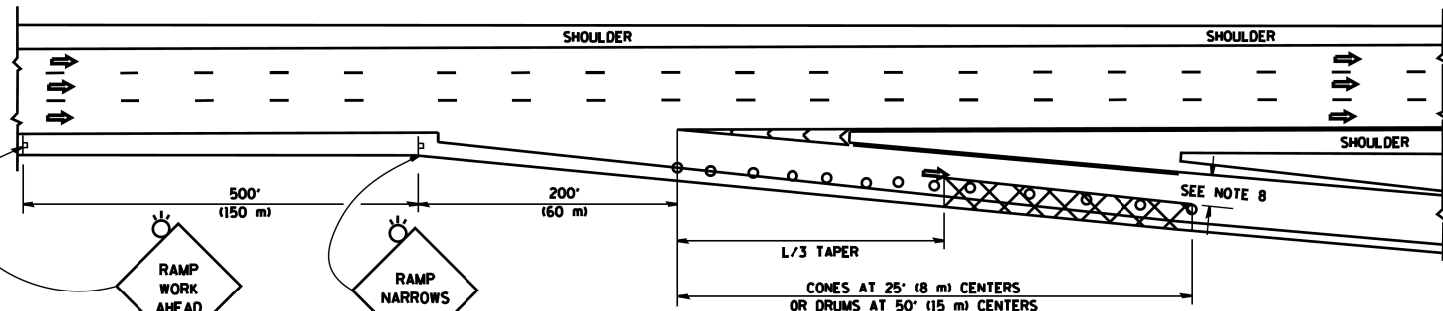
**MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS**
SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

* 90/94/290				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-066T	COOK	83	74
TC-12			CONTRACT NO. 62D78	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

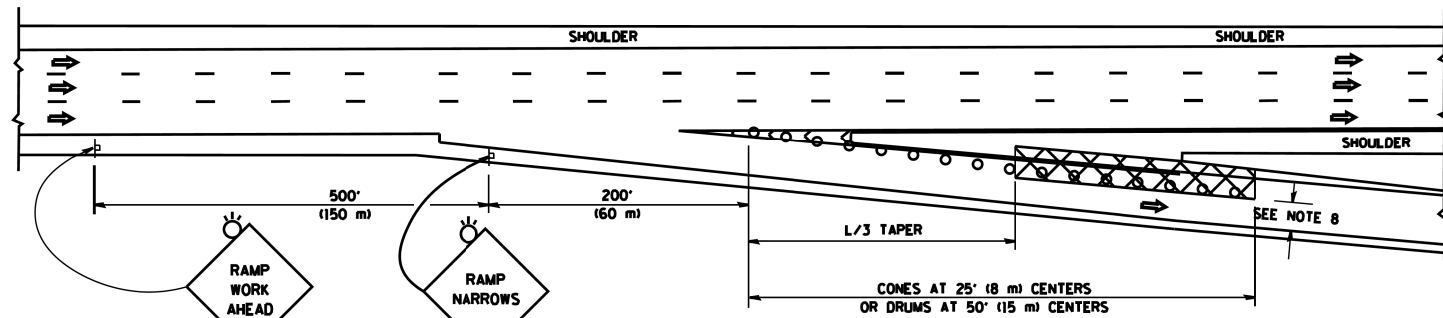
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

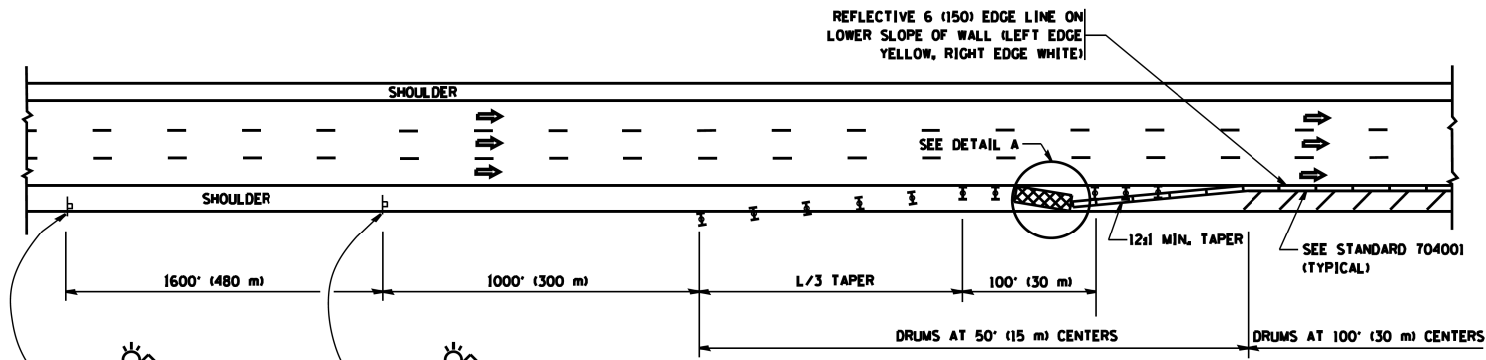
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

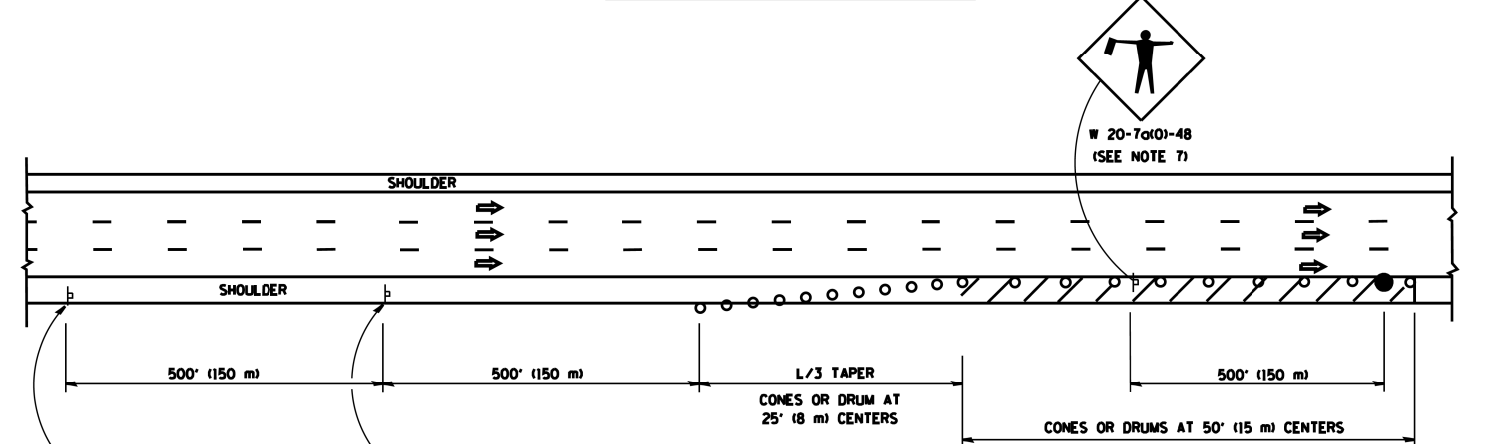
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH
	$L=0.65(WXS)$ $L=(WXS)$
	W = WIDTH OF OFFSET IN FEET (METERS)
	S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

SHOULDER CLOSURE DETAILS



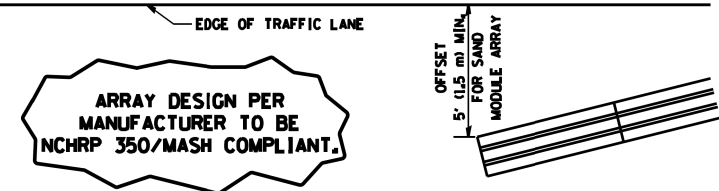
PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:

1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



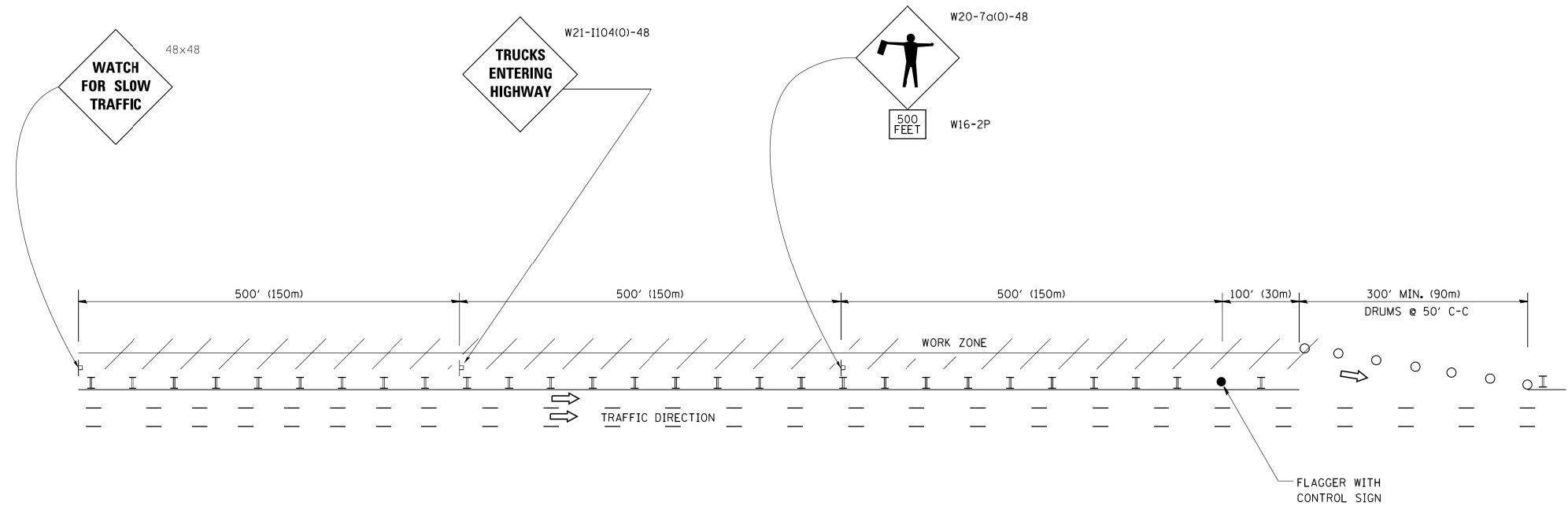
DETAIL "A" IMPACT ATTENUATOR, TEMPORARY (SEE NOTE 5)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

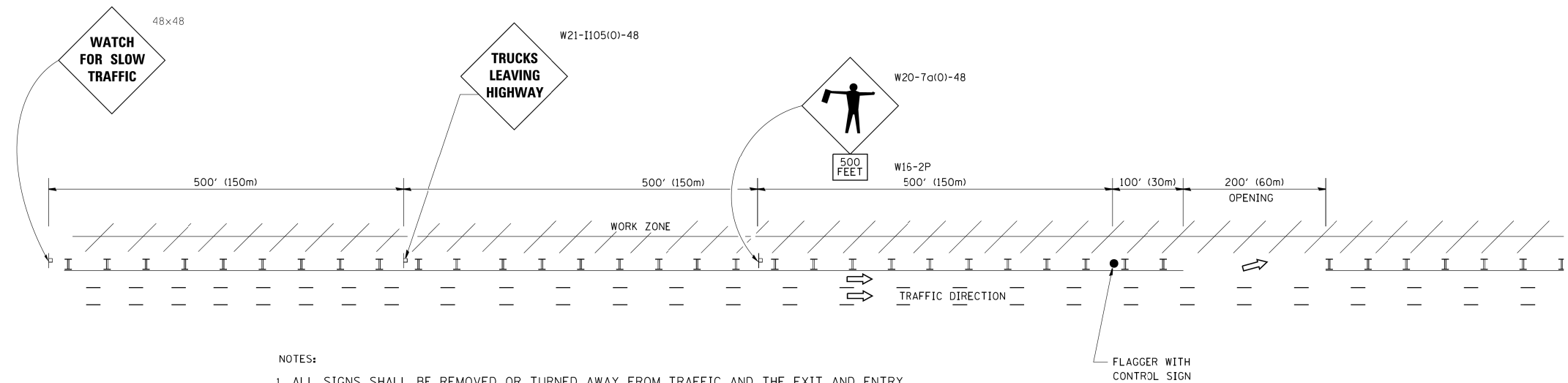
FILE NAME =	USER NAME = lcyso	DESIGNED -	REVISED - J.A.F. 12-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
es\pw_work\pilot\lcyso\d0188315\tcl7.dgn		DRAWN - D.W.S.	REVISED - S.P.B. 01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	*	2016-066T	COOK	83	75
		CHECKED -	REVISED - S.P.B. 12-09		STA.	TO STA.	*	TC-17	CONTRACT NO.	62D78	
		DATE - 11-96	REVISED - M.D. 06-13				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMP.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN
* 90/94/290

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

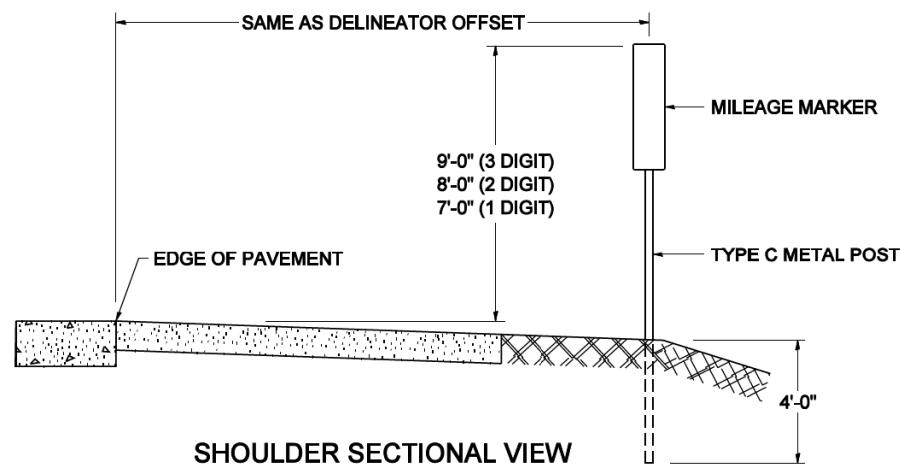
FREeway/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS ON FREeway/EXPRESSWAYS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2016-066T	COOK	83	76
TC-18		CONTRACT NO. 62D78		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

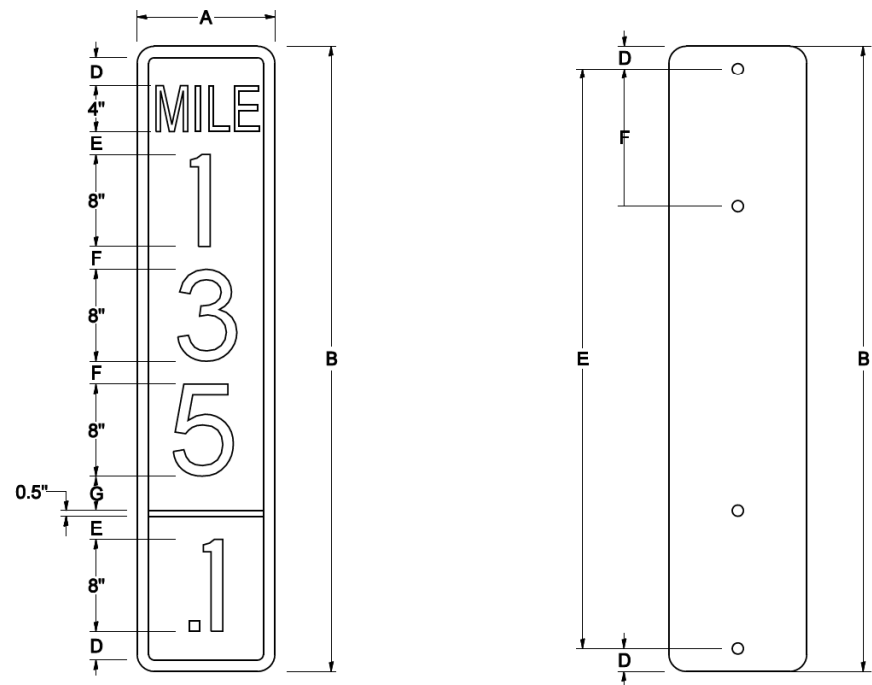
FILE NAME =	USER NAME = foatemj	DESIGNED -	REVISED - J.A.F. 02-06
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		CHECKED -	REVISED - S.P.B. 12-09
		DATE -	REVISED - M.D. 06-13

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

STANDARD DESIGN FOR MILE POST



SHOULDER SECTIONAL VIEW

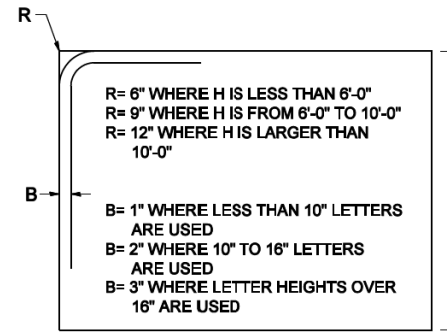


SIGN SIZE	DIMENSIONS							DIGIT
	A	B	C	D	E	F	G	
12 x 24	12.0	24.0	1.5	1.5	1.5	N/A	1.5	1
12 x 36	12.0	36.0	1.5	2.0	2.0	2.0	1.5	2
12 x 48	12.0	48.0	1.5	2.5	2.0	2.0	2.5	3

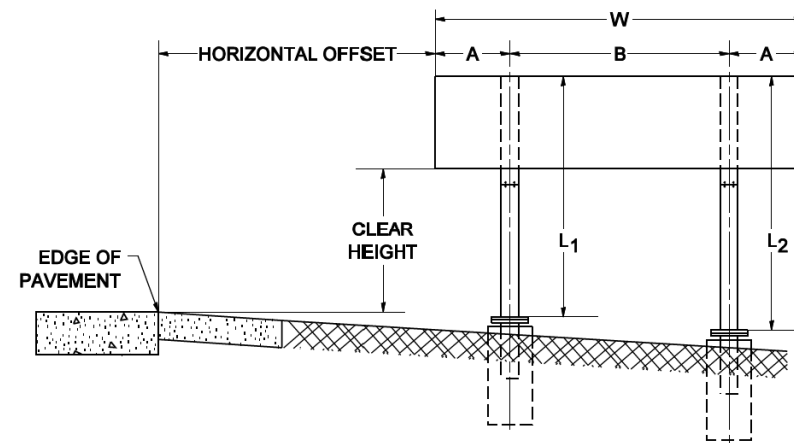
BLANK	A	B	C	D	E	F
B9-1224	12.0	24.0	1.5	2.0	20.0	N/A
B9-1236	12.0	36.0	1.5	2.0	32.0	12.0
B9-1248	12.0	48.0	1.5	2.0	44.0	12.0

SIGN SIZE	SERIES					BORDER	BLANK STD.
	LINES						
	1	2	3	4	5		
12 x 24	4C	8D	4C	N/A	N/A	0.5	B9-1224
12 x 36	4C	8D	8D	4C	N/A	0.5	B9-1236
12 x 48	4C	8D	8D	8D	4C	0.5	B9-1248

BORDER AND RADIUS LAYOUT



MAJOR GUIDE SIGN LAYOUT

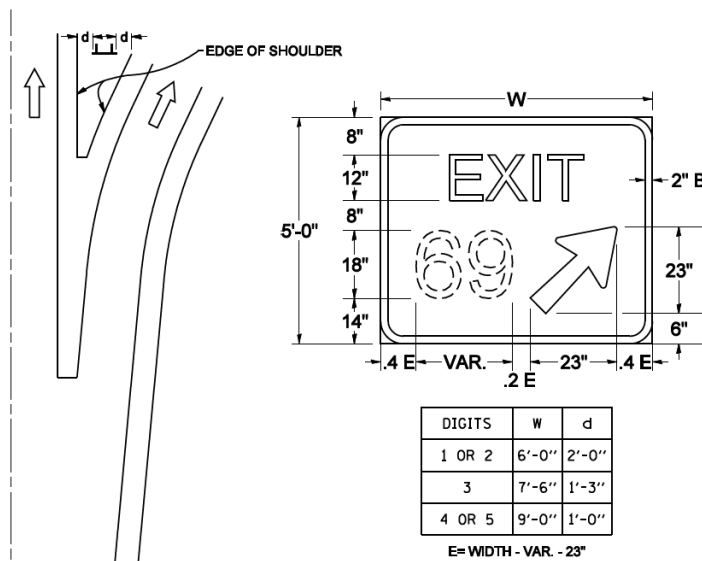


NUMBER OF STEEL SUPPORTS	A	B
2	.2 W	.6 W
3	.15 W	.35 W
4	.125 W	.25 W
5	.1 W	.2 W

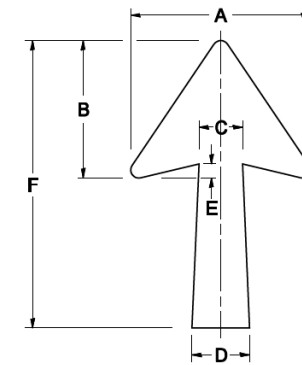
"L₁" IS THE LENGTH OF SUPPORT, NOT INCLUDING THE STUB PROJECTION, CLOSEST TO THE EDGE OF THE PAVEMENT.

"A" IS THE DISTANCE FROM THE SIGN EDGE TO THE CENTERLINE OF THE NEAREST SUPPORT. "B" IS THE DISTANCE BETWEEN CENTERLINES OF SUPPORTS.

GORE SIGNS

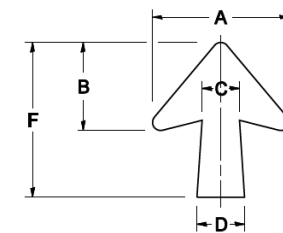


STANDARD ARROWS FOR INTERSTATE GUIDE SIGNS



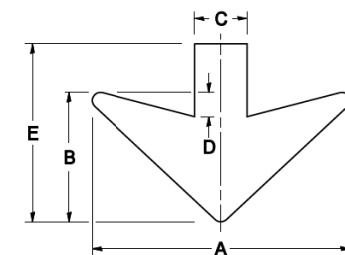
ARROW SYMBOL	A	B	C	D	E	F	R
24 1/4 x 15 1/8	15 1/8	11 3/16	3 3/4	5	1 5/8	24 1/4	1 1/16
29 1/4 x 18 1/4	18 1/4	14	4 1/2	6	1 1/2	29 1/4	3/4
35 5/8 x 22 1/4	22 1/4	17	5 3/8	7 1/8	1 3/4	35 5/8	1
18 1/4 x 11 1/4	11 1/4	8 3/4	3 1/8	3 3/8		18 1/4	

NOTE: D & F ARE RECOMMENDED DIMENSIONS. TAPER SHOULD BE HELD CONSTANT FOR LONGER OR SHORTER SHAFT LENGTHS



ARROW SYMBOL	A	B	C	D	E	F	R
17 1/4 x 14 1/4	14 1/4	9 9/16	3 3/8	4 1/2	1 5/8	17 1/4	3/4
20 1/4 x 17 1/4	17 1/4	11 3/4	4 3/8	5 5/8	1 1/2	20 1/4	
25 x 21 1/8	21 1/8	14 1/4	5	6 3/4	1 3/4	25	1
9 3/16 x 8 1/16	8 1/16	5 1/16	2 5/16	2 5/16		9 3/16	1/2

DOWN ARROWS



ARROW SYMBOL	A	B	C	D	E	R
16 1/2 x 24	24	12	5	1 1/2	16 1/2	3/4
22 x 32	32	16	6 1/2	3	22	1

* 90/94/290

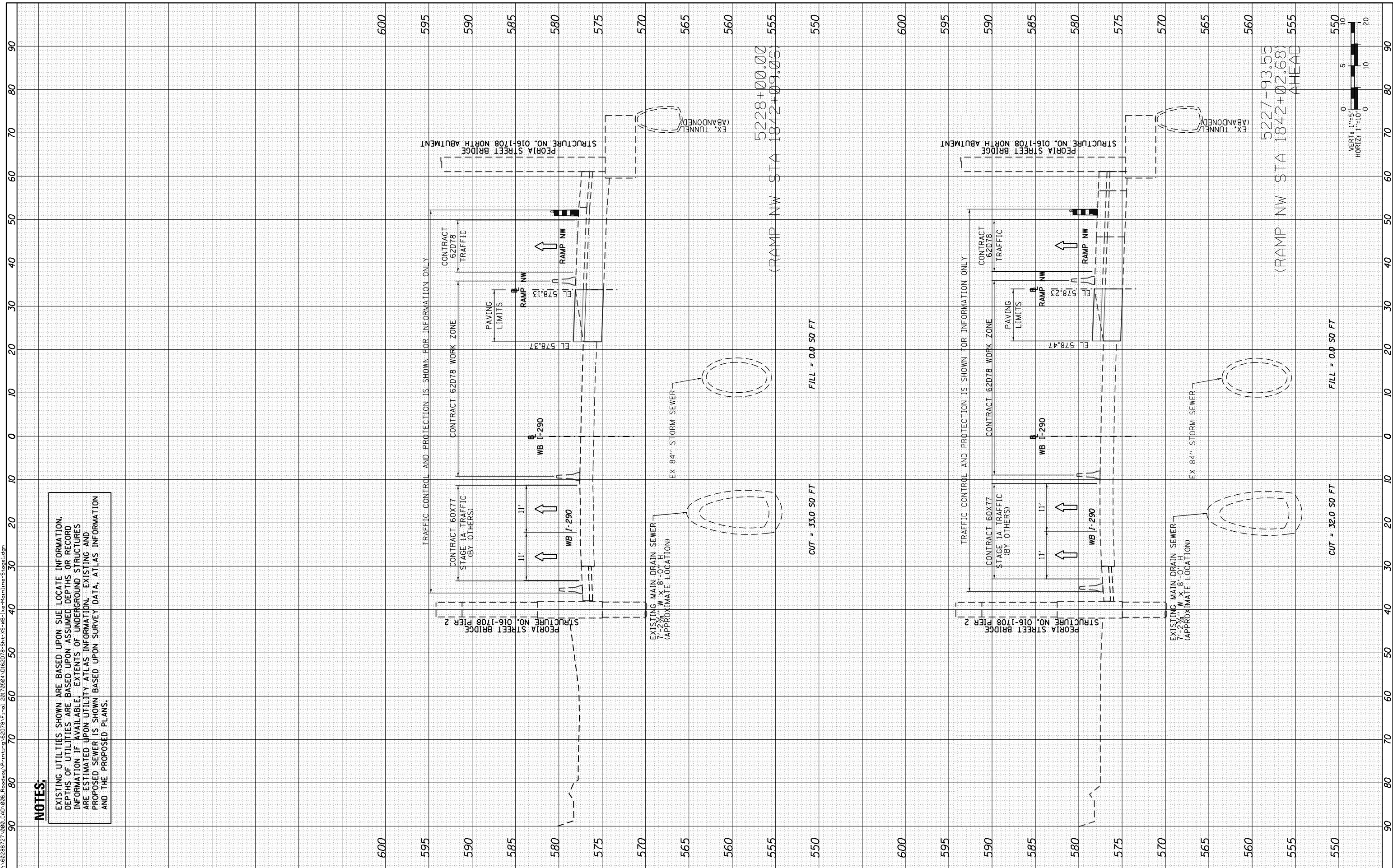
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NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

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NOTES:

EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



DI62078-Sht-XS-WB-Ike-Mainline-Stage1.dgn
 USER NAME = dishevoz
 PLOT SCALE = 20.00000 ' / in.
 PLOT DATE = 5/2/2017

DESIGNED - SDH
 DRAWN - AFC
 CHECKED - MJE
 DATE - 5/4/2017

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 WB I-290 MAINLINE**

SCALE: 1:5V, 1:10H SHEET 1 OF 7 SHEETS STA. 5228+00.00 TO STA. 5228+00.00

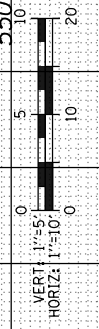
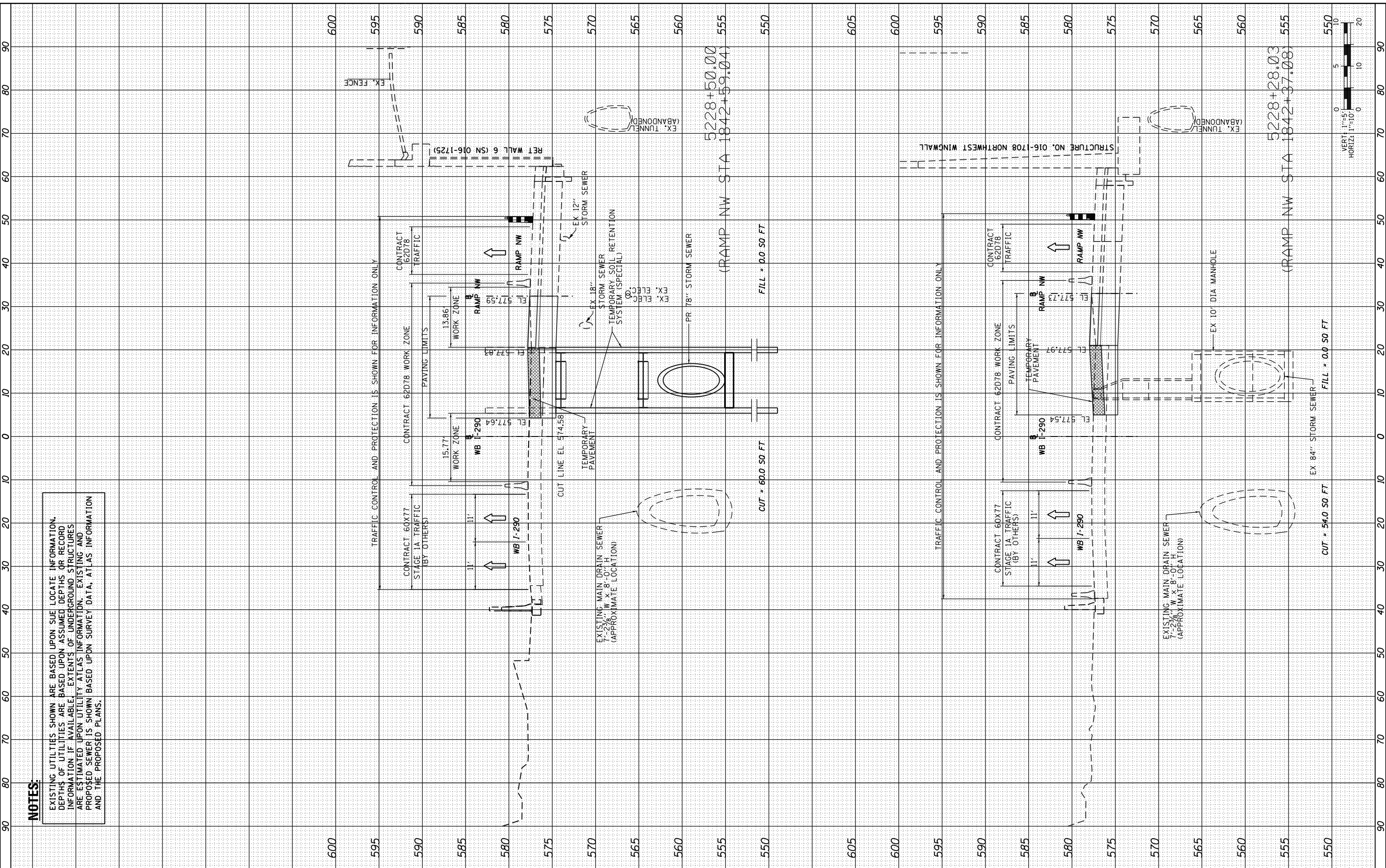
F.A.I RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 77
CONTRACT NO. 62D78				ILLINOIS FED. AID PROJECT

FINL	SURVEY	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
AREAS	CHECKED		
NO.			

ORIGINAL	SURVEY	BY	DATE
NOTE BOOK	TEMPLATE		
AREAS	CHECKED		
NO.			

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NOTES:
 EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



D162D78-Sht-XS-WB-Ike-Mainline-Stage1	DESIGNED - SDH	REVISED -
USER NAME = ChiuA	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - MJE	REVISED -
PLOT DATE = 7/21/2017	DATE - 7/21/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 WB I-290 MAINLINE

SCALE: 1:5V, 1:10H SHEET 2 OF 7 SHEETS STA. 5228+28.03 TO STA. 5228+50.00

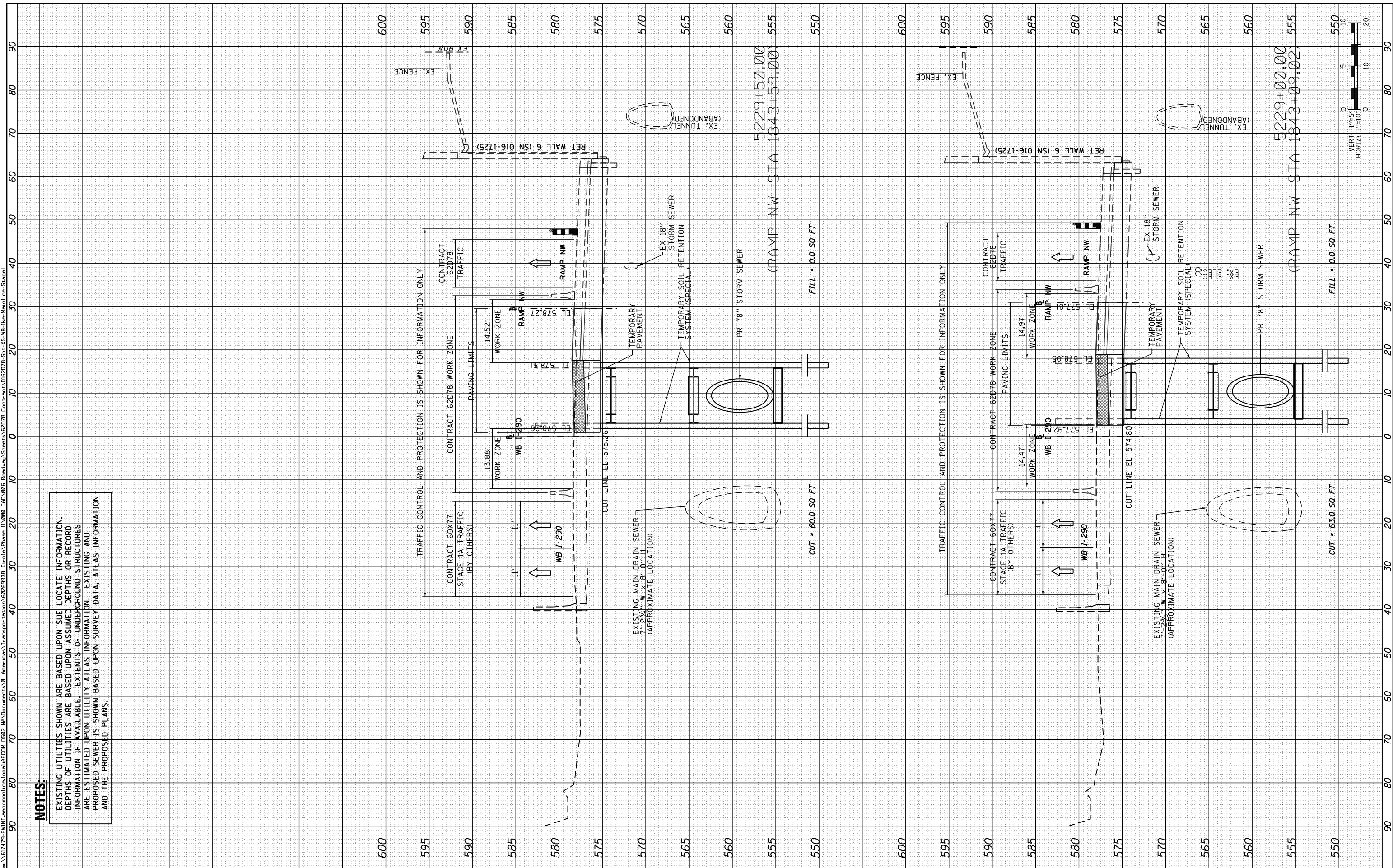
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	78
CONTRACT NO. 62D78				
ILLINOIS FED. AID PROJECT				

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		

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NOTES:
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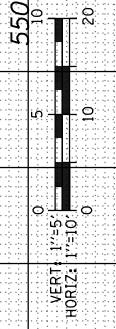


D162078-Sht-XS-WB-lke-Mainline-Stage1	DESIGNED - SDH	REVISED -
USER NAME = ChiuA	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - MJE	REVISED -
PLOT DATE = 7/21/2017	DATE - 7/21/2017	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS WB I-290 MAINLINE			
SCALE: 1:5V, 1:10H	SHEET 3	OF 7 SHEETS	STA. TO STA. 5229+50.00

F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 79
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

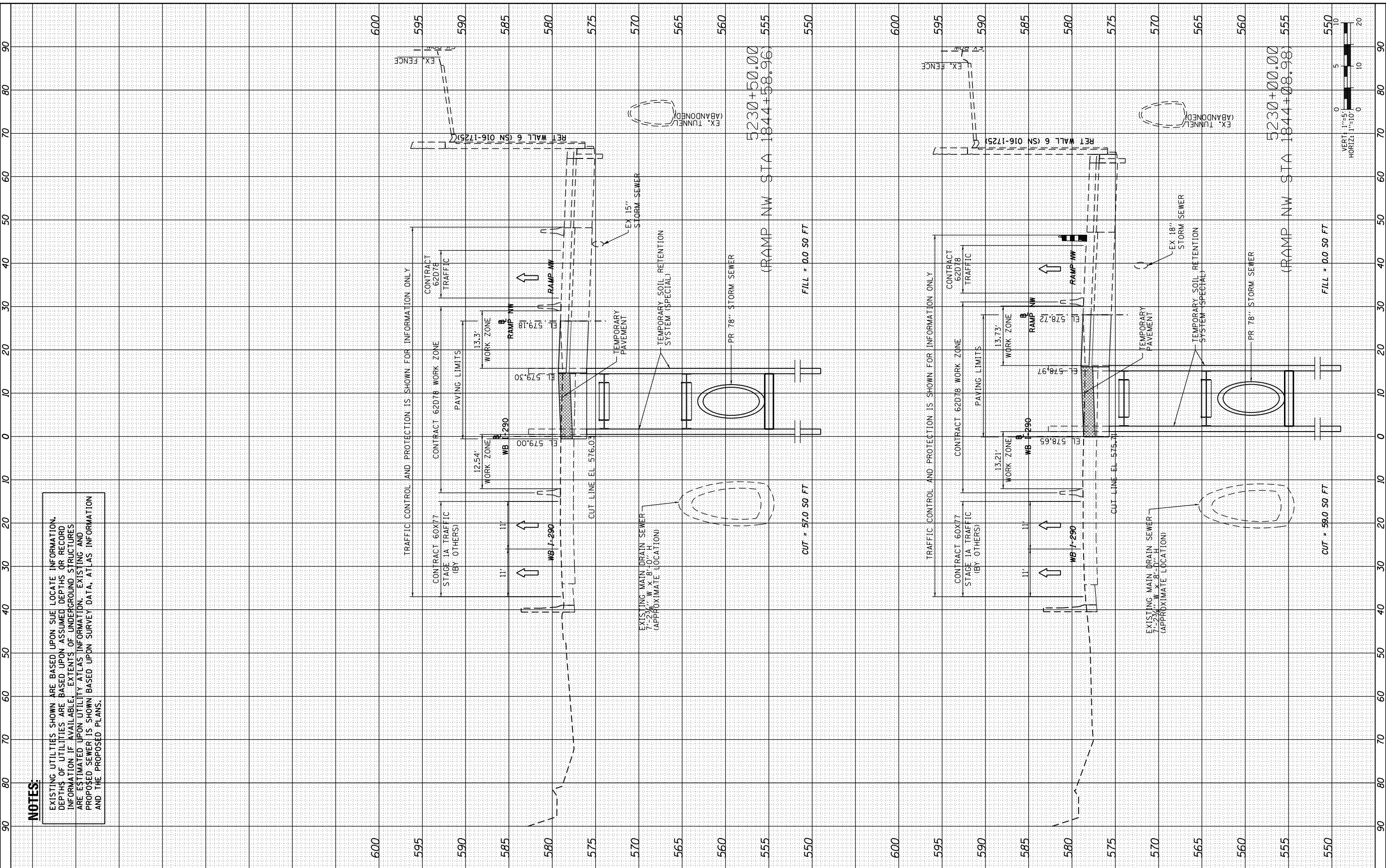


FINL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

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NOTES:
 EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



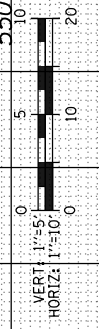
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USER NAME = ChiuA	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - MJE	REVISED -
PLOT DATE = 7/21/2017	DATE - 7/21/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
WB I-290 MAINLINE**

SCALE: 1:5V, 1:10H SHEET 4 OF 7 SHEETS STA. 5230+00.00 TO STA.

F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 80
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				



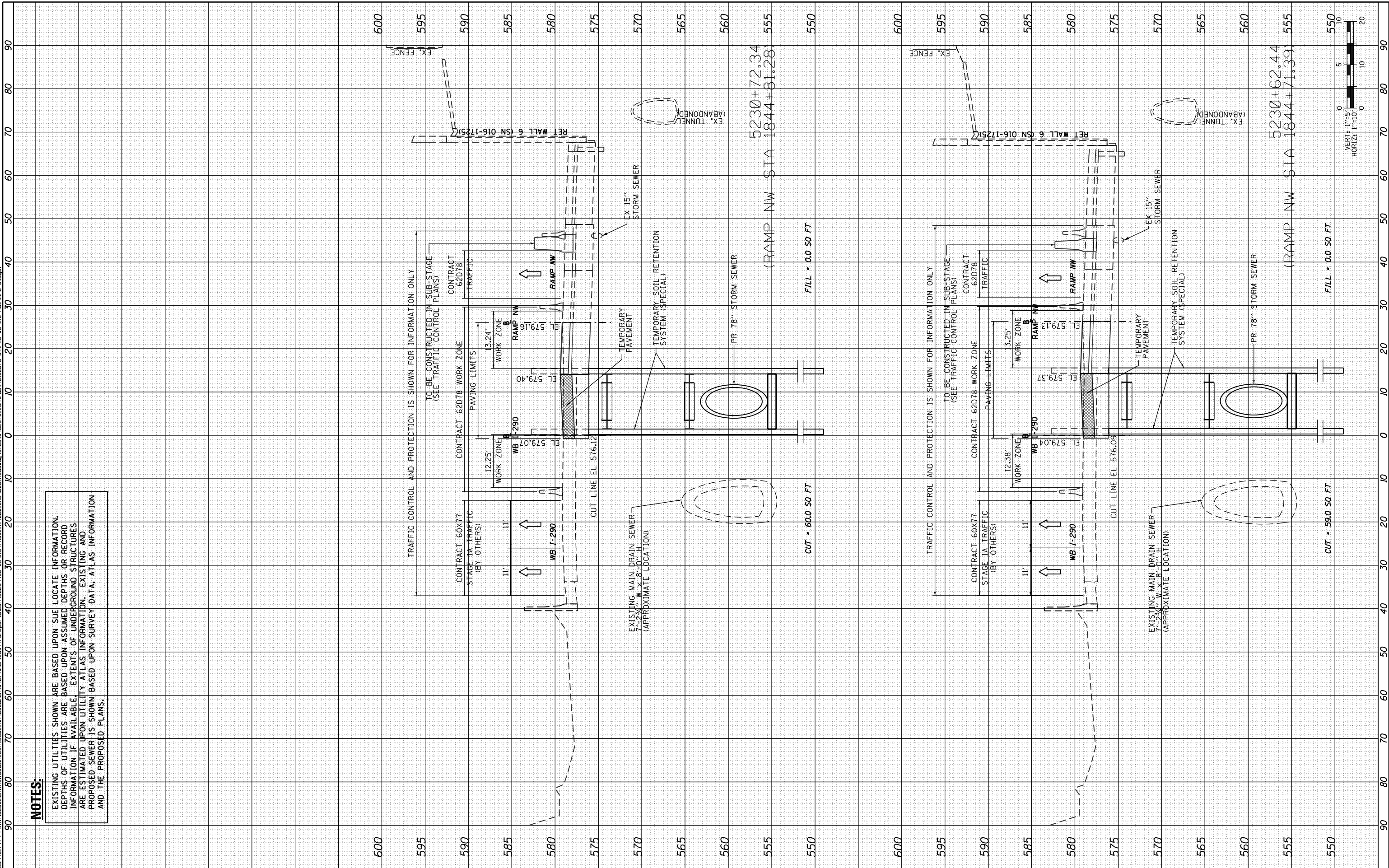
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SURVEY	PLOTTED	
NOTE BOOK	TEMPLATE	
AREAS	CHECKED	
NO.		

ORIGINAL	SURVEY	DATE
NOTE BOOK	PLOTTED	
AREAS	TEMPLATE	
CHECKED		
NO.		

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NOTES:

EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



D162078-Sht-XS-WB-lke-Mainline-Stage1
 USER NAME = ChiuA
 PLOT SCALE = 20.0009' / in.
 PLOT DATE = 7/21/2017

DESIGNED - SDH
 DRAWN - AFC
 CHECKED - MJE
 DATE - 7/21/2017

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 WB I-290 MAINLINE**

SCALE: 1:5V, 1:10H SHEET 5 OF 7 SHEETS STA. 5230+58.51 TO STA. 5230+72.34

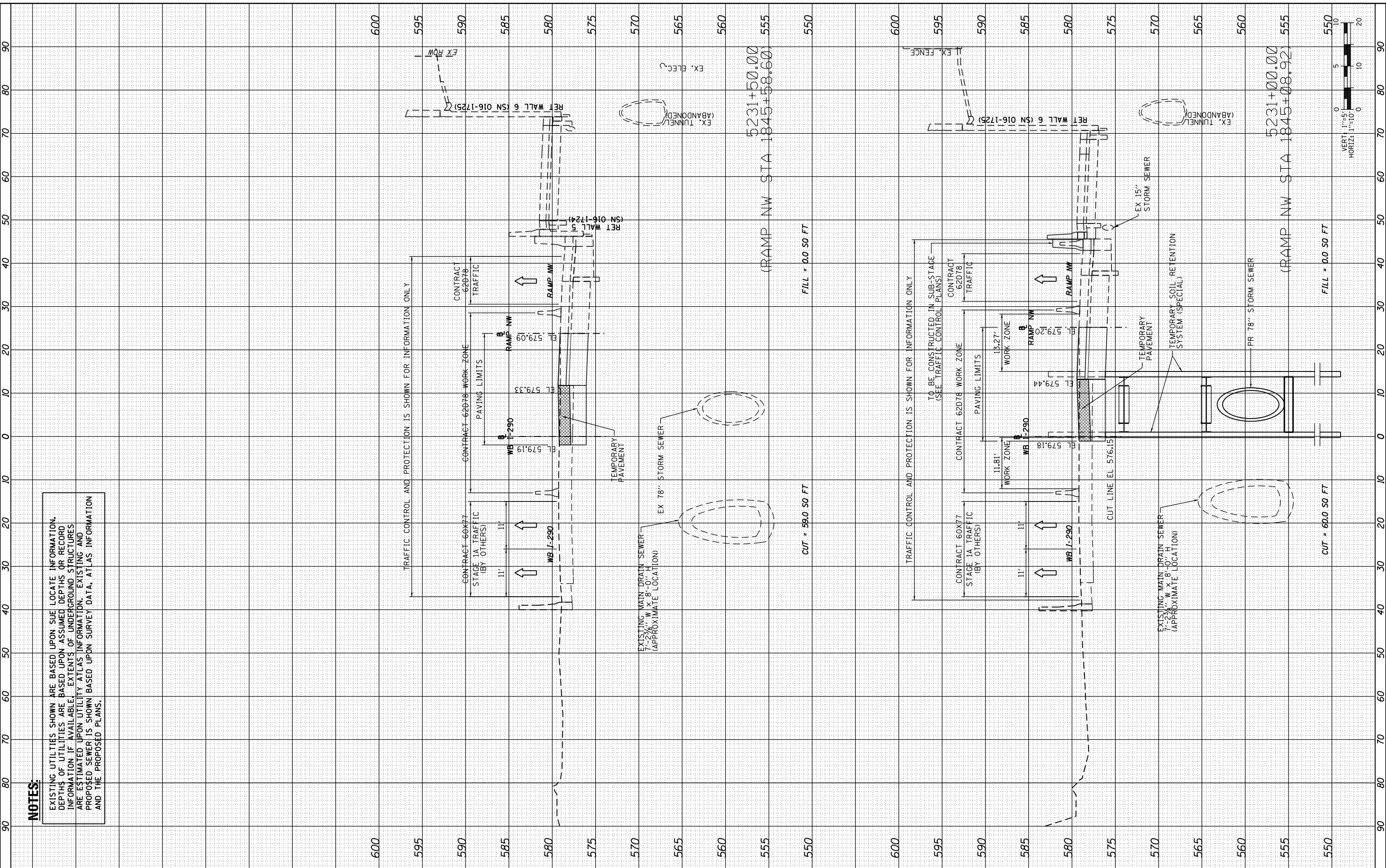
F.A.I R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	81
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				

FINL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

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NOTES:
 EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



D162078-Sht-XS-WB-lke-Mainline-Stage1	DESIGNED - SDH	REVISED -
USER NAME = ChiuA	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - MJE	REVISED -
PLOT DATE = 7/21/2017	DATE - 7/21/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
WB I-290 MAINLINE**

SCALE: 1:5V, 1:10H SHEET 6 OF 7 SHEETS STA. TO STA.

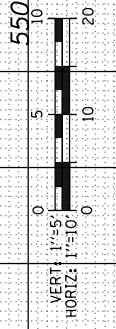
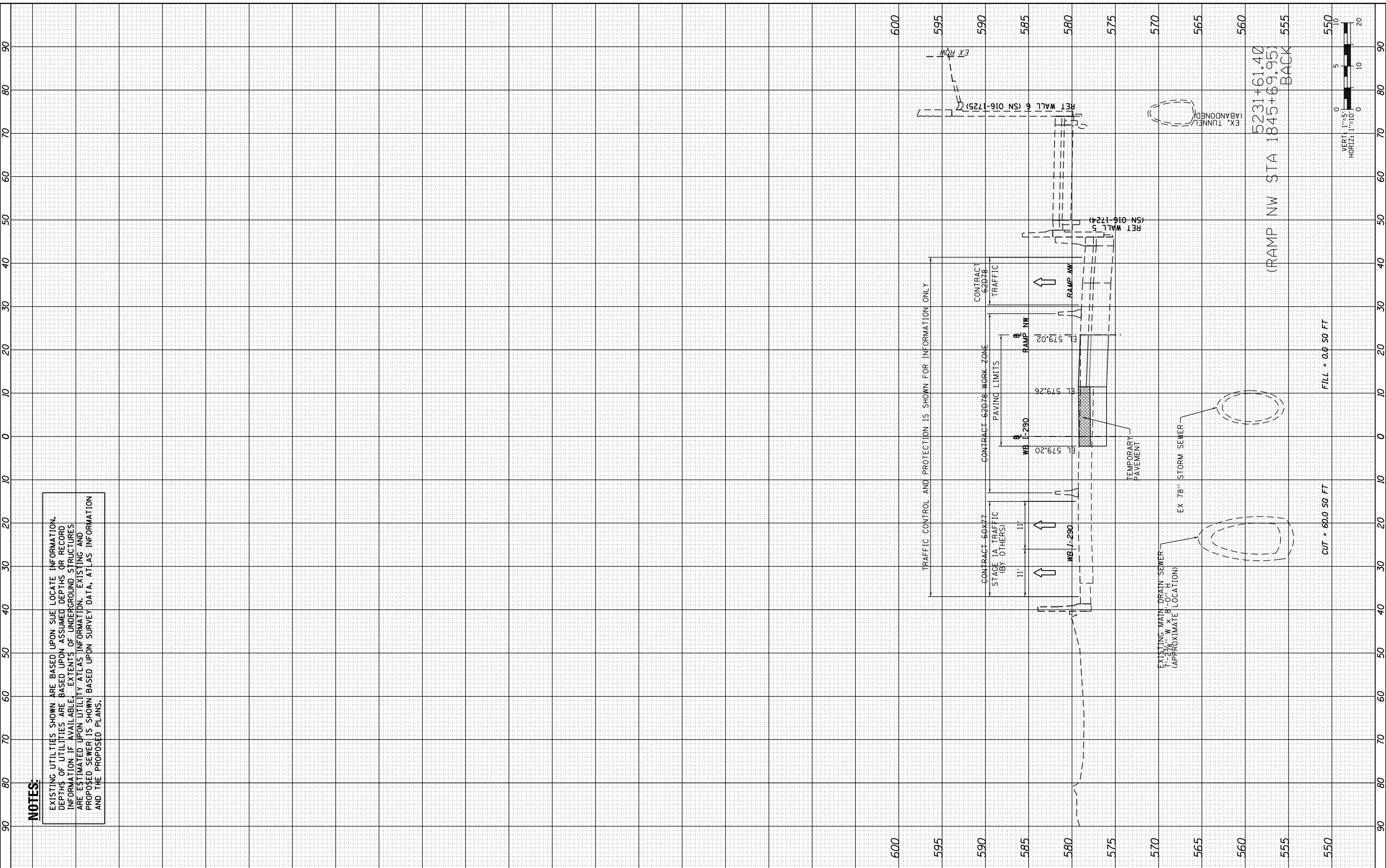
F.A.I. RTE. 90/94/290	SECTION 2016-066T	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 82
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62078	

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

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NOTES:
 EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



D162078-Stg-XS-WB-lke-Mainline-Stage1
 USER NAME = dishevo2
 PLOT SCALE = 20.0009' / in.
 PLOT DATE = 7/20/2017

DESIGNED - SDH
 DRAWN - AFC
 CHECKED - MJE
 DATE - 7/21/2017

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 WB I-290 MAINLINE**

SCALE: 1:5V, 1:10H SHEET 7 OF 7 SHEETS STA. 5231+61.40 TO STA. 5231+61.40

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2016-066T	COOK	83	83
CONTRACT NO. 62078				
ILLINOIS FED. AID PROJECT				