

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	1
ILLINOIS			CONTRACT NO. 60X77	

* 431 + 10 = 441 TOTAL SHEETS

FOR INDEX OF SHEETS AND STANDARDS SEE SHEET NO. 2 AND 3

DESIGN DESIGNATIONS: WB I-290 RAMP SW
 POSTED /DESIGN SPEEDS: 88,000(2040) INTERSTATE 45 /50 MPH
 23,000(2040) INTERSTATE RAMP 35 /35 MPH

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

PROJECT LOCATED IN CITY OF CHICAGO

D-91-227-13

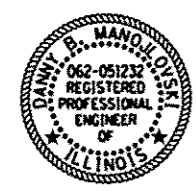
06-10-2016 LETTING ITEM 015

PROPOSED HIGHWAY PLANS

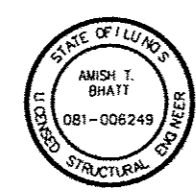
FAI ROUTE 90/94 AT I-290/CONGRESS PARKWAY
 (JANE BYRNE INTERCHANGE)
 WB MAINLINE CONGRESS PKWY TO RACINE
 SECTION 2014-003R&B
 WALL MODIFICATION,
 ROADWAY RECONSTRUCTION,
 AND LIGHTING
 PROJECT: ACNHPP-000V(064)
 COOK COUNTY
 C-91-188-14



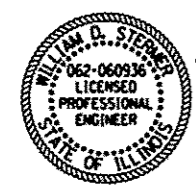
NPDES PERMIT INFORMATION	
NPDES Disturbed	
Area =	6.15 Acres
Approximate Location of Roadway is :	
Longitude	87° 39' 6" W
Latitude	41° 52' 32" N



D.B.M. 3/14/16
 DANINY B. MANOJLOVSKI
 LICENSE EXPIRES 11/30/2017
 SHEET RANGE



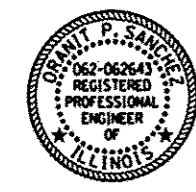
Amish T. Bhatt 3/14/16
 AMISH T. BHATT
 LICENSE EXPIRES 11/30/2016
 SHEET RANGE



William D. Stermer 3/14/16
 WILLIAM D. STERMER
 LICENSE EXPIRES 11/30/2017
 SHEET RANGE



Matthew S. Cooper 3/14/16
 MATTHEW S. COOPER
 LICENSE EXPIRES 11/30/2017
 SHEET RANGE

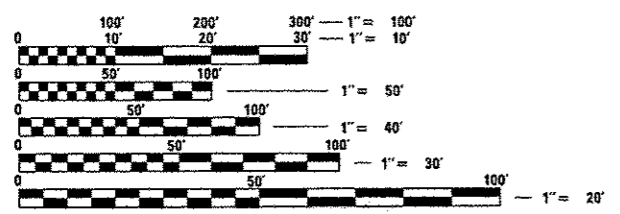


Granit P. Sanchez 3/14/16
 GRANIT P. SANCHEZ
 LICENSE EXPIRES 11/30/2017
 SHEET RANGE

RAMP SW PROJECT LIMIT
 STA 1320 + 60.00 TO
 STA 1330 + 93.79

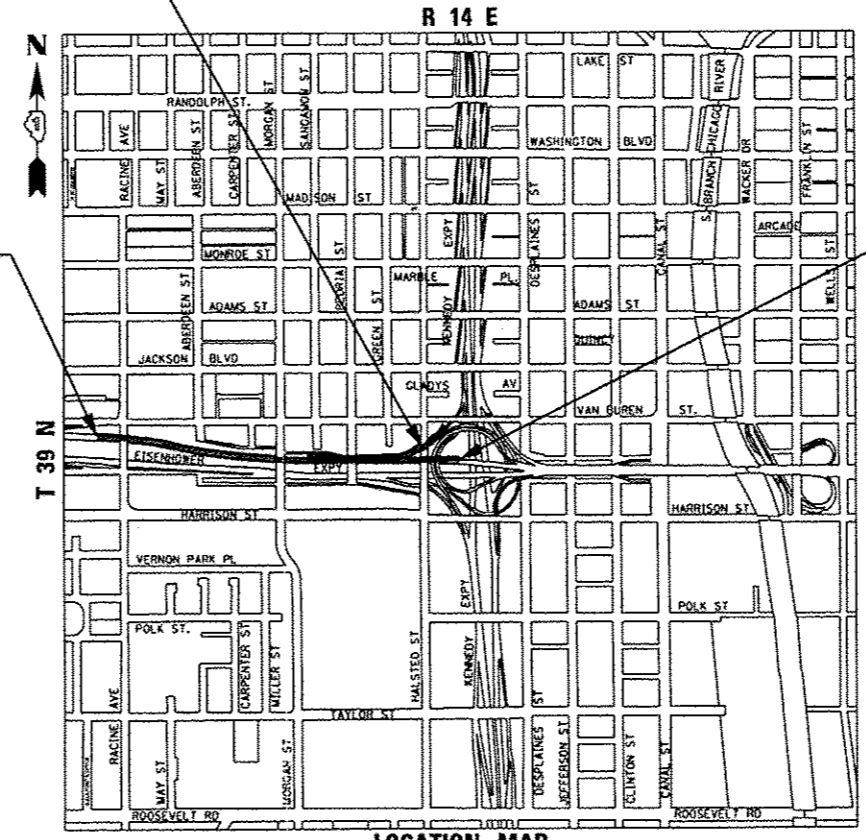
WB CONGRESS PARKWAY/
 WB I-290 PROJECT LIMIT
 END STA 5250 + 40.00

WB CONGRESS PARKWAY/
 WB I-290 PROJECT LIMIT
 BEGIN STA 5218 + 33.89



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 ULTILITY ALERT NETWORK
 1-312-744-7000



GROSS LENGTH = 4,239.90 FT (0.806 MILES)
 NET LENGTH = 4,239.90 FT (0.806 MILES)

PROJECT ENGINEER: LISA CHRZASC
 PROJECT MANAGER: BRIAN KUTTAB

CONTRACT NO. 60X77

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED *March 9* 20 *16*
John Fortman
 REGIONAL ENGINEER

May 6 20 *16*
Marwan M. Adis P.E.
 ENGINEER OF DESIGN AND ENVIRONMENT

May 6 20 *16*
Omer Osman P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

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

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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
420001-08	PAVEMENT JOINTS
420101-05	24' (7.2m) JOINTED PCC PAVEMENT
420106-05	36' (10.8m) JOINTED PCC PAVEMENT
420111-03	PCC PAVEMENT ROUNDOUTS
420201-09	ENTRANCE RAMP TERMINAL (JOINTED PCC RAMP PAVEMENT ADJACENT TO JOINTED PCC MAINLINE PAVEMENT)
420401-12	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
483001-04	PCC SHOULDER
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602301-04	INLET - TYPE A
602401-03	MANHOLE TYPE A
602406-07	MANHOLE TYPE A 6' (1.8 m) DIAMETER
602601-04	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604071-05	FRAME AND GRATE TYPE 20
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND CUTTER
630001-10	STEEL PLATE BEAM GUARDRAIL
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
642001-02	SHOULDER RUMBLE STRIPS, 161n.
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701400-08	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-09	LANE CLOSURE, FREEWAY / EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL, FREEWAY / EXPRESSWAY
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701901-05	TRAFFIC CONTROL DEVICES
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782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
814001-03	HANDHOLES

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0160X77-sht-Cannota-B1.dgn
 USER NAME = PJMSARND
 PLOT SCALE = 100.0000 ' / 1"
 PLOT DATE = 4/28/2016

DESIGNED - OPS
 DRAWN - OPS
 CHECKED - DBM
 DATE - 4/27/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

INDEX OF DRAWINGS AND HIGHWAY STANDARDS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	2
CONTRACT NO. 60X77				
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 60X77 WILL USE THE DES PLAINES FIELD OFFICE WHICH WILL BE PROVIDED UNDER CONTRACT 60X78. CONTRACTOR WILL NOT NEED TO PROVIDE THE 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. CHICAGO TRANSIT AUTHORITY (CTA) REPRESENTATIVE WILL BE MR. ABDIN CARRILLO, PROJECT MANAGER, AND CONSTRUCTION OVERSIGHT. THE CONTRACTOR SHALL NOTIFY CTA REPRESENTATIVE AT 312-681-3913, 72 HOURS IN ADVANCE OF THE TIME HE INTENDS TO ENTER UPON THE CTA RIGHT-OF-WAY FOR THE PERFORMANCE OF ANY WORK. SEE CTA FLAGGING AND COORDINATION SPECIAL PROVISION FOR ADDITIONAL INFORMATION.
11. THE PROPOSED EMBANKMENT SHALL BE BENCHED INTO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER. SEE DISTRICT 1 DETAILS FOR BENCHING DETAIL.
12. ALL ROADWAY WIDTHS AND RADII SHOWN ON THE PLANS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
13. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
14. 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.
15. 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 701.17(c) OF THE STANDARD SPECIFICATIONS AND UNTIL THE JOINTS HAVE BEEN SEALED.
16. ALL REINFORCEMENT BARS, DOWEL BARS, AND TIE BARS SHOULD BE EPOXY COATED UNLESS OTHERWISE NOTED IN THE PLANS.
17. 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.
18. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING PLANT MATERIAL.
19. AN ESTIMATED QUANTITY OF 250 TONS OF AGGREGATE FOR TEMPORARY ACCESS HAS BEEN INCLUDED IN THIS CONTRACT FOR THE PURPOSE OF MAINTAINING CONSTRUCTION POINTS OF ACCESS IN THE CIRCLE INTERCHANGE AREA AND FOR MAINTAINING ANY NECESSARY ACCESS TO PRIVATE PROPERTIES AND SIDE STREETS DURING THIS CONTRACT.
20. 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.
21. REMOVAL OF COVERING OF EXISTING REGULATORY, WARNING, AND/OR TRAFFIC SIGNS WHICH INTERFERE WITH CONSTRUCTION AND/OR CONFLICT WITH CONSTRUCTION TRAFFIC PATTERNS DESCRIBED IN THE MAINTENANCE OF TRAFFIC PLANS OR DIRECTED BY THE ENGINEER SHALL BE INCLUDED IN THE LUMP SUM CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
22. SAW CUT (FULL DEPTH) SHALL BE REQUIRED AT THE JOINT BETWEEN PAVEMENT, SIDEWALK, CURB AND GUTTER, MEDIAN, DRIVEWAY PAVEMENT, HOT-MIX ASPHALT SURFACES TO BE REMOVED AND THAT LEFT IN PLACE OR AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEMS.
23. UNLESS OTHERWISE NOTED, ALL COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 ALONG THE MAINLINE AND MAINLINE RAMPS SHALL BE DEPRESSED.
24. 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.
25. 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.
26. THE CONTRACTOR SHALL COORDINATE AND/OR MODIFY THE WORK SCHEDULE AS DIRECTED BY THE DEPARTMENT TO ACCOMMODATE SPECIAL EVENTS.
27. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 (01/01/2016) AND THE IDOT SUBGRADE STABILITY MANUAL (05/01/2015). IF UNSTABLE AND/OR UNSUITABLE SOIL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

ANY AGGREGATE SUBGRADE DAMAGED BY THE CONTRACTOR VEHICLE AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.

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0160X77-003R-001.dgn
 USER NAME : dshveas
 PLOT SCALE : 1/8"=1'-0"
 PLOT DATE : 3/15/2016

DESIGNED - OPS	REVISED -
DRAWN - OPS	REVISED -
CHECKED - DBM	REVISED -
DATE - 3/14/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94/280	2014-003R&B	COOK	431	4
CONTRACT NO. 60X77			ILLINOIS FED. AID PROJECT	

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

URBAN
90% FED
10% STATE

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY	HIGHWAY LIGHTING	MINOR STRUCTURES
				0004 URBAN	0021 URBAN	0044 S. N. 016-2027
20101000	TEMPORARY FENCE	FOOT	630	630		
20101100	TREE TRUNK PROTECTION	EACH	21	21		
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	10	10		
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	11	11		
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	168	168		
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	168	168		
20200100	EARTH EXCAVATION	CU YD	7760	7760		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1305	1305		
20800150	TRENCH BACKFILL	CU YD	1829.2	1829.2		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1628	1628		
21101615	TOPSOIL FURNISH AND PLACE. 4"	SQ YD	9980	9980		
21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	100	100		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	168	168		
25000210	SEEDING, CLASS 2A	ACRE	2	2		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	168	168		
25100115	MULCH, METHOD 2	ACRE	3.75	3.75		
25100630	EROSION CONTROL BLANKET	SQ YD	9005	9005		

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM



303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-3076
PHONE (312) 375-7700 FAX (312) 373-6400

DESIGNED - AFC
DRAWN - AFC
CHECKED - DBM
DATE - 3/14/2016

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	CODK	431	5
CONTRACT NO. 60X77			Rev.	

ILLINOIS FED. AID PROJECT

FILE PATH: \\nas01f001\proj\60x77\000\000\005_Plan\60x77.dwg

URBAN
90% FED
10% STATE

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY	HIGHWAY LIGHTING	MINOR STRUCTURES
				0004 URBAN	0021 URBAN	0044 S. N. 016-2027
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	7283	7283		
28000400	PERIMETER EROSION BARRIER	FOOT	10272	10272		
28000510	INLET FILTERS	EACH	70	70		
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1276	1276		
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	19,873	19,873		
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1487	1487		
31102100	SUBBASE GRANULAR MATERIAL, TYPE C 4"	SQ YD	1523	1523		
31200500	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"	SQ YD	15,848	15,848		
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	250	250		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8010	8010		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	115	115		
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	2914	2914		
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	80	80		
42000511	PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)	SQ YD	730	730		
42000521	PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)	SQ YD	14,394	14,394		

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM

Rev.

FILE PATH: \\nas0101\c\2016\Road\088_CoDA\088_Roadway\Planning\60X77\2016-02-11-60X77_FINAL_PLOT\60X77.dwg



D:\60X77\shh-500.dgn
 USER NAME = dshh500
 PLOT SCALE = 2.0000 1/1
 PLOT DATE = 3/15/2016

DESIGNED - AFC
 DRAWN - AFC
 CHECKED - DBM
 DATE - 3/14/2016
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 17 SHEETS STA. TO STA.

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
30/94/290	2014-003R&B	COOK	431	6
CONTRACT NO. 60X77			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY	HIGHWAY LIGHTING	MINOR STRUCTURES
				0004 URBAN	0021 URBAN	0044 S. N. 016-Z027
550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	97	97		
55100400	STORM SEWER REMOVAL 10"	FOOT	299	299		
55100500	STORM SEWER REMOVAL 12"	FOOT	1345	1345		
55100700	STORM SEWER REMOVAL 15"	FOOT	196	196		
55100900	STORM SEWER REMOVAL 18"	FOOT	171	171		
55101100	STORM SEWER REMOVAL 21"	FOOT	196	196		
59000200	EPOXY CRACK INJECTION	FOOT	187			187
<i>60108100</i>	<i>PIPE UNDERDRAINS 4" (SPECIAL)</i>	<i>FOOT</i>	<i>161</i>	<i>161</i>		
60108108	PIPE UNDERDRAINS, TYPE 1, 8"	FOOT	100	100		
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	368	368		
<i>60108204</i>	<i>PIPE UNDERDRAINS, TYPE 2, 4"</i>	<i>FOOT</i>	<i>1311</i>	<i>1311</i>		
60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	3861	3861		
60200105	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	6	6		
60200205	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3		
60201310	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 20 FRAME AND GRATE	EACH	20	20		
60203905	CATCH BASINS, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM

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 DATE - 3/14/2016
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	8
CONTRACT NO. 60X77			ILLINOIS FED. AID PROJECT	

Rev.

URBAN
90% FED
10% STATE

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0004 URBAN	HIGHWAY LIGHTING 0021 URBAN	MINOR STRUCTURES 0044 S. N. 016-2027
60208210	CATCH BASINS, TYPE C, TYPE 20 FRAME AND GRATE	EACH	3	3		
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	7	7		
60221100	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4		
60223800	MANHOLES, TYPE A, 6' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
60237420	INLETS, TYPE A, TYPE 20 FRAME AND GRATE	EACH	8	8		
60250200	CATCH BASINS TO BE ADJUSTED	EACH	6	6		
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	5	5		
60255410	CATCH BASINS TO BE CLEANED	EACH	11	11		
60255500	MANHOLES TO BE ADJUSTED	EACH	3	3		
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	5	5		
60500040	REMOVING MANHOLES	EACH	25	25		
60500050	REMOVING CATCH BASINS	EACH	24	24		
60500060	REMOVING INLETS	EACH	2	2		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6. 24	FOOT	47.5	47.5		

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM



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DATE - 3/14/2016

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 5 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X77	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY	HIGHWAY LIGHTING	MINOR STRUCTURES
				0004 URBAN	0021 URBAN	0044 S. N. 016-Z027
			URBAN 90% FED 10% STATE			
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	10	10		
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	3	3		
* / ** 72000100	SIGN PANEL - TYPE 1	SO FT	17	17		
* / ** 72000200	SIGN PANEL - TYPE 2	SO FT	68	68		
* 72600100	MILE POST MARKER ASSEMBLY	EACH	1	1		
* 73000100	WOOD SIGN SUPPORT	FOOT	64	64		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2453	2453		
* 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	1016	1016		
* 78003110	<i>PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"</i>	<i>FOOT</i>	<i>773</i>	<i>773</i>		
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	1758	1758		
* 78003120	<i>PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 5"</i>	<i>FOOT</i>	<i>4431</i>	<i>4431</i>		
* 78005120	EPOXY PAVEMENT MARKING - LINE 5"	FOOT	352	352		
* 78009000	<i>MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS</i>	<i>SQ FT</i>	<i>97</i>	<i>97</i>		
* 78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	1435	1435		
* 78009004	<i>MODIFIED URETHANE PAVEMENT MARKING - LINE 4"</i>	<i>FOOT</i>	<i>13,890</i>	<i>13,890</i>		
* 78008200	POLYUREA PAVEMENT MARKING - TYPE I - LETTERS AND SYMBOLS	SO FT	97	97		
* 78008210	POLYUREA PAVEMENT MARKING - TYPE I - LINE 4"	FOOT	7740	7740		
* 78008220	POLYUREA PAVEMENT MARKING - TYPE I - LINE 5"	FOOT	3133	3133		

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM

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 PLOT SCALE: 2.0000 1/16"
 PLOT DATE: 3/15/2016

DESIGNED - AFC
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 7 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	11
CONTRACT NO. 60X77			ILLINOIS FED. AID PROJECT	

Rev.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY	HIGHWAY LIGHTING	MINOR STRUCTURES
				0004 URBAN	0021 URBAN	0044 S. N. 016-Z027
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	8491	8491		
/ * 78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	4743	4743		
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	672	672		
/ * 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	433	433		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	388	388		
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	58	58		
/ * 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	1980	1980		
/ 78300100	PAVEMENT MARKING REMOVAL	50 FT	53,361	53,361		
/ 78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	446	446		
* 81028170	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.	FOOT	6	6		
/ * 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	143	143		
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	12	12		
/ * 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	424	424		
* 81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	140	140		
/ * 81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	71	71		
* 81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	160	160		
/ * 81100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	758	758		
* 81100805	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	185	185		

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM

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 USER NAME: dishvoz
 PLOT SCALE: 2.0000 1" = 10'
 PLOT DATE: 3/15/2016

DESIGNED - AFC
 DRAWN - AFC
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 DATE - 3/14/2016
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 8 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	12
CONTRACT NO. 60X77			ILLINOIS FED. AID PROJECT	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY	HIGHWAY LIGHTING	MINOR STRUCTURES
				0004 URBAN	0021 URBAN	0044 S. N. 016-2027
* 81101005	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., PVC COATED GALVANIZED STEEL	FOOT	400		400	
* 81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	4087		4087	
* 81200250	CONDUIT EMBEDDED IN STRUCTURE, 3" DIA., PVC	FOOT	50		50	
* 81200270	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	2553		2553	
* 81300830	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	4		4	
* 81400200	HEAVY-DUTY HANDHOLE	EACH	6		6	
* 81400300	DOUBLE HANDHOLE	EACH	2		2	
* 81603081	UNIT DUCT, 600V, 3-1C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	535		535	
* 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	660		660	
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	170		170	
* 81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	5850		5850	
* 81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	16040		16040	
* 81702220	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 350MCM	FOOT	3330		3330	
* 81800300	AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	190		190	

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM



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 USER NAME: dshavez
 PLOT SCALE: 2.0000 1/1
 PLOT DATE: 3/15/2016

DESIGNED - AFC
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 DATE - 3/14/2016

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 9 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/34/290	2014-003R&B	COOK	431	13
CONTRACT NO. 60X77			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY	HIGHWAY LIGHTING	MINOR STRUCTURES
				0004 URBAN	0021 URBAN	0044 S. N. 016-Z027
* 82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	12		12	
* 82105600	LUMINAIRE, SODIUM VAPOR, HIGH MAST, HORIZONTAL MOUNT, 400 WATT	EACH	6		6	
* 83050715	LIGHT POLE, ALUMINUM, 47.5 FT. M. H., 6 FT. DAVIT ARM	EACH	12		12	
* 83505400	LIGHT TOWER, 130 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 6	EACH	1		1	
* 83700350	LIGHT TOWER FOUNDATION, 54" DIAMETER	FOOT	54		54	
* 84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	3		3	
* 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	10		10	
* 87000885	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC) 2/C NO. 6 AND NO. 8	FOOT	1968		1968	
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1044		1044	
* 87301900	<i>ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 IC.</i>	<i>FOOT</i>	<i>10</i>		<i>10</i>	
* 87900205	DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	3		3	
* 87800200	<i>CONCRETE FOUNDATION, TYPE D</i>	<i>FOOT</i>	<i>5</i>		<i>5</i>	
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1098		1098	
Z0002300	BALLAST	CU YD	157	157		
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	278			278
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	11			11

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM



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 DATE - 3/14/2016

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 10 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	14
CONTRACT NO. 60X77				

[ILLINOIS] FED. AID PROJECT

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY	HIGHWAY LIGHTING	MINOR STRUCTURES
				0004 URBAN	0021 URBAN	0044 S. N. 016-Z027
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1		
Z0018913	DRILL AND GROUT #8 TIE BARS	EACH	1093	1093		
Z0019600	DUST CONTROL WATERING	UNIT	35.3	35.3		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	488	488		
* Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	12		12	
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	24		24	
Z0037300	PAVEMENT GROOVING	SQ YD	15,123	15,123		
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1	1		
Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	120	120		
Z0062456	TEMPORARY PAVEMENT	SQ YD	1439	1439		
Z0062458	TEMPORARY PAVEMENT (VARIABLE DEPTH)	TON	181	181		
∅ Z0076600	TRAINEES	HOUR	1500	1500		
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1500	1500		
* X0322141	REMOVE TEMPORARY WOOD POLE	EACH	2		2	

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 11 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	15
CONTRACT NO. 60X77			ILLINOIS FED. AID PROJECT	

Rev

URBAN
90% FED
10% STATE

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0004 URBAN	HIGHWAY LIGHTING 0021 URBAN	MINOR STRUCTURES 0044 S. N. 016-2027
* X0322433	LIGHT TOWER, SERVICE PAD	EACH	1		1	
* X0322441	DIGITAL LOOP DETECTOR SENSOR UNIT (4 CHANNEL)	EACH	3		3	
* X0322442	TONE EQUIPMENT - 3 FREQUENCY RECEIVER PROGRAMMABLE	EACH	9		9	
* X0322443	TONE EQUIPMENT - 3 FREQUENCY TRANSMITTER PROGRAMMABLE	EACH	9		9	
* X0322444	TONE EQUIPMENT - POWER SUPPLY	EACH	4		4	
* X0322445	TONE EQUIPMENT - MOUNTING FRAME	EACH	2		2	
* X0323710	REMOVE CONDUIT ATTACHED TO STRUCTURE	FOOT	160		160	
* X0324597	CLOSED CIRCUIT TELEVISION CABINET	EACH	1		1	
* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	624		624	
* X0324911	REPLACE EXISTING DECAL WITH NEW LUMINAIRE NUMBERING DECAL	EACH	5		5	
* X0325040	FIBER OPTIC INNERDUCT 1 1/4" DIA.	FOOT	12976		12976	
X0325087	VIDEO TAPING OF MAIN DRAIN	FOOT	6108	6108		
X0325155	REMOVE ABANDONED GAS MAIN	FOOT	16	16		
X0325207	TELEVISION INSPECTION OF SEWER	FOOT	1048	1048		
X0325349	TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)	FOOT	275	275		

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM

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300 EAST WACKER DRIVE, SUITE 3400
CHICAGO, IL 60601-5678
PHONE (312) 375-7700 FAX (312) 375-6800

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PLOT SCALE: 2.0000 1" = 10'
PLOT DATE: 3/10/2016

DESIGNED - AFC
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DATE - 3/14/2016

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 12 OF 17 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-003R&B	COUNTY COOK	TOTAL SHEETS 431	SHEET NO. 16
CONTRACT NO. 60X77			ILLINOIS FED. AID PROJECT	

Rev.

URBAN
90% FED
10% STATE

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0004 URBAN	HIGHWAY LIGHTING 0021 URBAN	MINOR STRUCTURES 0044 S. N. 016-2027
* X0325815	REMOVE EXISTING CABLE	FOOT	460		460	
* X0326461	CLOSED CIRCUIT TELEVISION EQUIPMENT, FIBER OPTIC DISTRIBUTION	EACH	1		1	
X0326694	PLUG EXISTING STORM SEWERS	CU YD	2.3	2.3		
* X0327004	TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	2		2	
* X0327117	ATMS SYSTEM INTEGRATION	LSUM	1		1	
X0327357	CONSTRUCTION VIBRATION MONITORING	LSUM	1	1		
* X0327561	BUDGETARY ALLOWANCE FOR CCTV INTEGRATION	LSUM	1		1	
* X0327606	FIBER OPTIC SPLICE-LATERAL	EACH	1		1	
* X0327607	FIBER OPTIC SPLICE-MAINLINE	EACH	1		1	
* X0327616	MAINTAINING ITS DURING CONSTRUCTION	CAL MO	24		24	
X0327649	SOIL RETENTION SYSTEM	SQ FT	1130	1130		
* X0327683	CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE, GALVANIZED STEEL, 100 FT. MOUNTING HEIGHT	EACH	1		1	
X0327751	LIGHTNING PROTECTION FOR INDUCTION LOOP DETECTOR	EACH	3		3	
X0327755	CABINET HOUSING EQUIPMENT, ESP3, CONCRETE FOUNDATION MOUNTED	EACH	1		1	
X0327757	FOUNDATION CONSTRUCTION AT EXISTING OBSTRUCTIONS	EACH	1	1		

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM

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USER NAME: dishawor
PLOT SCALE: 2.0000 1/16"
PLOT DATE: 3/15/2016

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 13 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003RAB	COOK	431	17
CONTRACT NO. 60X77			ILLINOIS FED. AID PROJECT	

Rev.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY	HIGHWAY LIGHTING	MINOR STRUCTURES
				0004 URBAN	0021 URBAN	0044 S. N. 016-Z027
* X1400002	THERMAL MAGNETIC CIRCUIT BREAKER	EACH	1		1	
* X1700001	DRILL EXISTING MANHOLE, HEAVY DUTY HANDHOLE, OR MEDIAN WALL JUNCTION BOX	EACH	1		1	
X2011000	TEMPORARY FENCE (SPECIAL)	FOOT	2759	2759		
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	50	50		
X4060002	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80	TON	219	219		
X4060006	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80	TON	219	219		
X5509900	ABANDON AND FILL EXISTING STORM SEWER	FOOT	2006	2006		
* * X5537500	STORM SEWERS TO BE CLEANED 6"	FOOT	204	204		
* * X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	220	220		
* * X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	93	93		
* * X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	167	167		
* * X5538300	STORM SEWERS TO BE CLEANED 27"	FOOT	92	92		
* * X5538500	STORM SEWERS TO BE CLEANED 33"	FOOT	38	38		
X6022712	CATCH BASINS, TYPE A, 4' -DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	4	4		

* DENOTES SPECIALTY ITEM

* * DENOTES NON-PARTICIPATING ITEM

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 CHECKED - DBM
 DATE - 3/14/2016
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 SCALE: SHEET 14 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	18
CONTRACT NO. 60X77			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY	HIGHWAY LIGHTING	MINOR STRUCTURES
				0004 URBAN	0021 URBAN	0044 S. N. 016-Z027
X6022900	CATCH BASINS TO BE RECONSTRUCTED (SPECIAL)	EACH	1	1		
X6050110	FILLING MANHOLES, SPECIAL	EACH	3	3		
X6050210	FILLING CATCH BASINS, SPECIAL	EACH	3	3		
X6370050	CONCRETE BARRIER WALL (SPECIAL)	FOOT	465	465		
X6370279	<i>CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)</i>	<i>FOOT</i>	<i>3354</i>	<i>3354</i>		
X6370700	CONCRETE BARRIER TRANSITION (SPECIAL)	FOOT	19	19		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1		
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	1	1		
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	<i>609</i>	<i>609</i>		
X7035104	TEMPORARY EPOXY PAVEMENT MARKING - LINE 4"	FOOT	<i>47,829</i>	<i>47,829</i>		
X7035105	TEMPORARY EPOXY PAVEMENT MARKING - LINE 5"	FOOT	5508	5508		
X7035108	TEMPORARY EPOXY PAVEMENT MARKING - LINE 8"	FOOT	<i>14,870</i>	<i>14,870</i>		
X7035112	TEMPORARY EPOXY PAVEMENT MARKING - LINE 12"	FOOT	<i>1504</i>	<i>1504</i>		
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	<i>4938</i>	<i>4938</i>		
X7040650	REMOVE TEMPORARY CONCRETE BARRIER	FOOT	2125	2125		

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM

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CHECKED - DBM	REVISED -
DATE - 3/14/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 15 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	18A

CONTRACT NO. 60X77
 ILLINOIS FED. AID PROJECT

Rev.

URBAN
90% FED
10% STATE

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0004 URBAN	HIGHWAY LIGHTING 0021 URBAN	MINOR STRUCTURES 0044 S. N. 016-Z027
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	344	344		
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	773	773		
* X8100863	INTERCEPT EXISTING CONDUIT	EACH	16		16	
* X7830072	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	4431	4431		
* X8102845	UNDERGROUND CONDUIT, PVC, 4" DIA., SCHEDULE 80	FOOT	906		906	
* X8130112	JUNCTION BOX TYPE J	EACH	12		12	
* X8130115	DRILL EXISTING JUNCTION BOX	EACH	8		8	
* X8131168	JUNCTION BOX, NON-METALLIC, EMBEDDED IN STRUCTURE. 21" X 11" X 08"	EACH	7		7	
* X8360103	LIGHT POLE FOUNDATION, INTEGRAL WITH BARRIER WALL	EACH	12		12	
* X8710035	FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	4448		4448	
* X8710036	FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	739		739	
* X8730246	ELECTRIC CABLE IN CONDUIT, NO. 19 25 PAIR	FOOT	3561		3561	
* X8730249	ELECTRIC CABLE IN CONDUIT, NO. 19 6/C	FOOT	1506		1506	
* X8730312	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	FOOT	693		693	
* X8850102	INDUCTION LOOP	FOOT	800		800	
* X8950425	REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT	LSUM	1		1	

16

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM



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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 16 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	188
CONTRACT NO. 60X77			ILLINOIS FED. AID PROJECT	

Rev.

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URBAN
90% FED
10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	HIGHWAY LIGHTING	MINOR STRUCTURES
				0004	0021	0044
				URBAN	URBAN	S. N. 016-Z027
* X0323905	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 36" X 24" X 8"	EACH	2		2	
* X1400161	ELECTRICAL WORK FOR CTA PUMP ROOM	L SUM	1		1	
* X0323899	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	2		2	
* X0323901	ETHERNET MANAGE SWITCH	EACH	1		1	
X0323902	CTA FENCE	FOOT	1273	1273		
X0323903	FILLING CATCH BASINS, SPECIAL (CTA)	EACH	4	4		
X0370077	LOCATE TUNNEL, CHICAGO	EACH	5	5		

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 17 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X77	

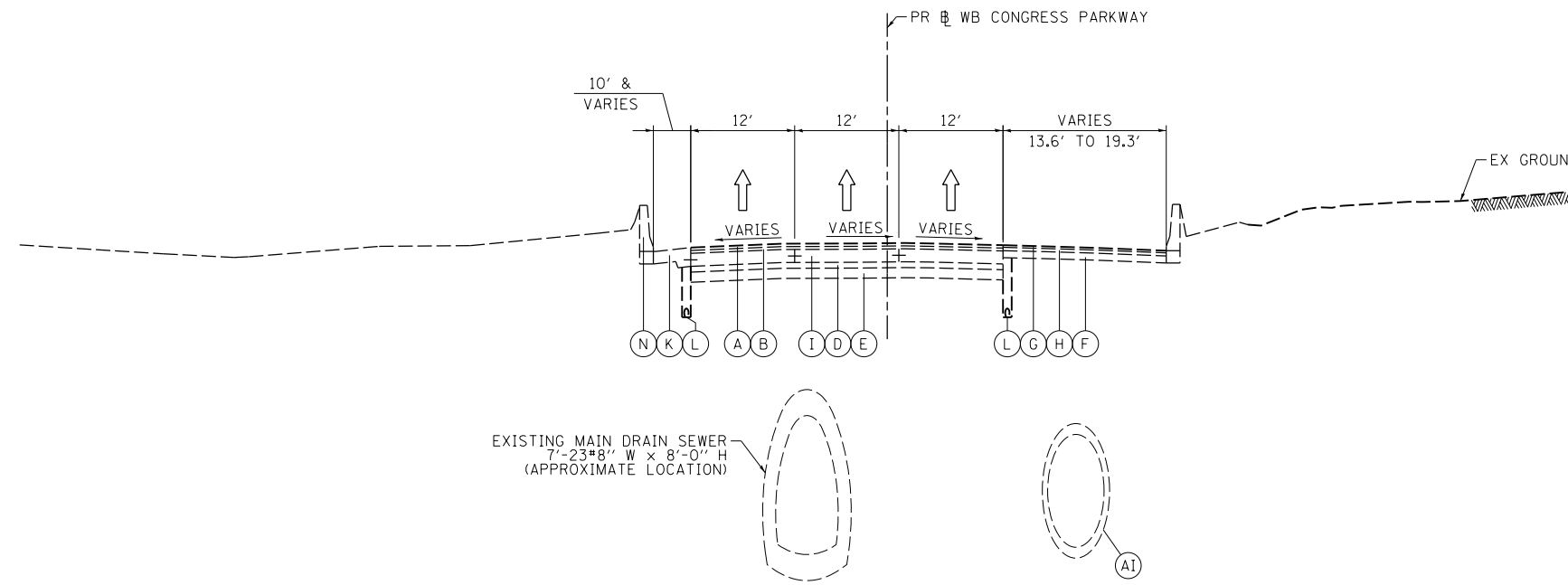
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EXISTING

- (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) PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- (F) BITUMINOUS SHOULDER
- (G) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (H) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- (I) PCC PAVEMENT, 10"
- (J) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (K) PCC SHOULDER
- (L) PIPE UNDERDRAIN
- (M) RETAINING WALL
- (N) CONCRETE BARRIER
- (O) FENCE
- (P) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- (Q) STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- (R) AGGREGATE SUBGRADE IMPROVEMENT 24"
- (S) PORTLAND CEMENT CONCRETE SHOULDERS 11"
- (T) PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
- (U) PORTLAND CEMENT CONCRETE SHOULDER, 9"
- (V) SUBBASE GRANULAR MATERIAL, TYPE C 4"
- (W) TEMPORARY PAVEMENT
- (X) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (Y) TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A
- (Z) CONCRETE BARRIER, SINGLE FACE, 42" HEIGHT
- (AA) CONCRETE BARRIER WALL (SPECIAL)
- (AB) CONCRETE BARRIER BASE
- (AC) TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- (AD) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (AE) LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 30" CENTERS
- (AF) LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 24" CENTERS
- (AG) TIE BARS, #6 EPOXY COATED BARS AT 24" CENTERS
- (AH) PIPE UNDERDRAINS 6"
- (AI) STORM SEWERS, 78" OR 84"
- (AJ) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (AK) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (AL) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, (IL-9.5 MM): 1 3/4"
- (AM) PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- (AN) PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"
- (AO) ANCHOR SLAB
- (AP) PARAPET

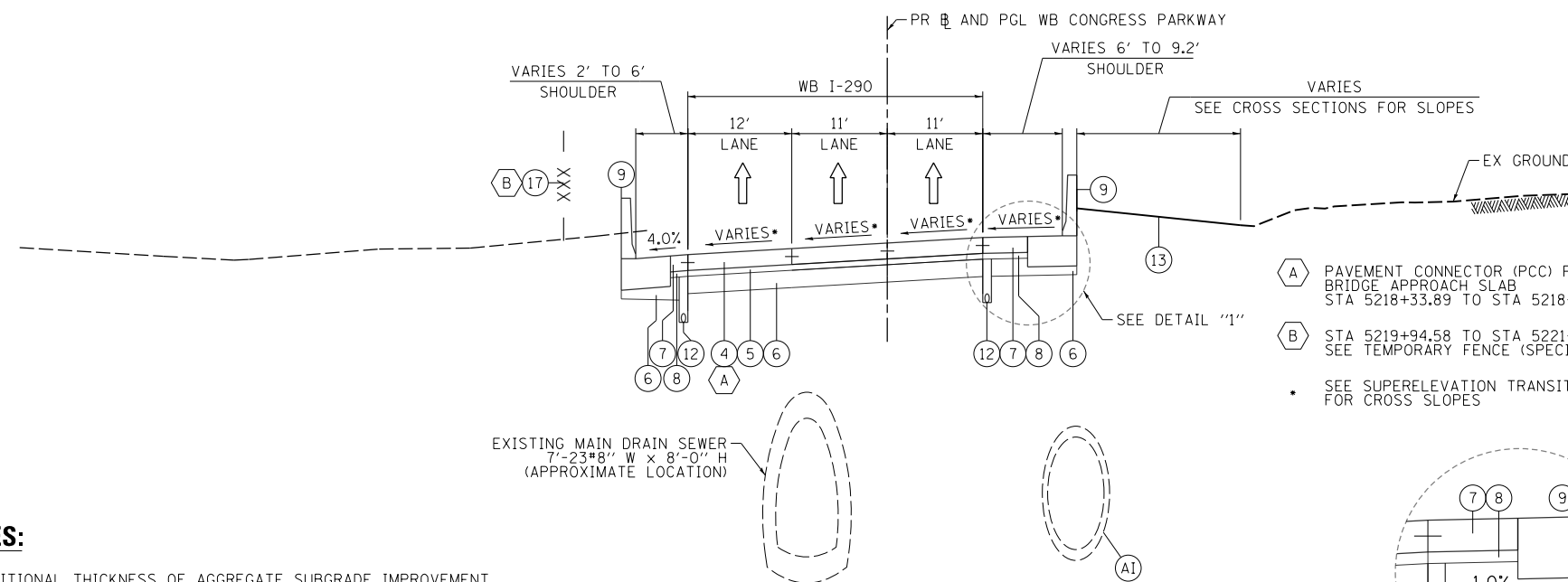
PROPOSED

- (1) HOT-MIX ASPHALT SURFACE REMOVAL 4"
- (2) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 2"
- (3) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80 2"
- (4) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- (5) STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- (6) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (7) PORTLAND CEMENT CONCRETE SHOULDERS 11"
- (8) SUBBASE GRANULAR MATERIAL, TYPE C 4"
- (9) CONCRETE BARRIER (SEE BARRIER DETAILS FOR LIMITS OF VARIOUS TYPES)
- (10) PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- (11) PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"
- (12) PIPE UNDERDRAINS 4" OR 6" (SEE DRAINAGE PLANS)
- (13) TOPSOIL FURNISH AND PLACE, 4" AND SEEDING, CLASS 2A (SEE EROSION CONTROL PLANS)
- (14) TEMPORARY PAVEMENT
- (15) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (16) TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- (17) TEMPORARY FENCE (SPECIAL), SEE TEMPORARY FENCE (SPECIAL) PLANS FOR LOCATIONS



**1 EXISTING TYPICAL SECTION
WB I-290 (LOOKING WEST)**

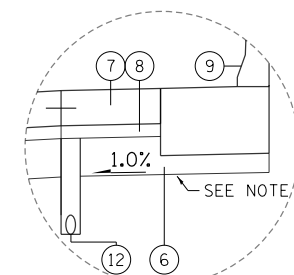
STA 5218+33.89 TO STA 5221+04.38
PR WB CONGRESS PARKWAY



**2 PROPOSED TYPICAL SECTION
WB I-290 (LOOKING WEST)**

STA 5218+33.89 TO STA 5221+04.38
PR WB CONGRESS PARKWAY

- (A) PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB STA 5218+33.89 TO STA 5218+50.05
- (B) STA 5219+94.58 TO STA 5221+04.38, SEE TEMPORARY FENCE (SPECIAL) DETAILS
- SEE SUPERELEVATION TRANSITION DETAILS FOR CROSS SLOPES



NOTES:

1. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE IMPROVEMENT UNDER THE SHOULDER TO DRAIN TO UNDERDRAINS SHALL BE INCLUDED IN THE COST PER SQ. YD. OF AGGREGATE SUBGRADE IMPROVEMENT 12".
2. THE MAXIMUM ROLLOVER BETWEEN THE PAVEMENT AND THE SHOULDER ON THE HIGH SIDE OF THE SUPERELEVATION IS 8.0%.
3. FOR PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED) DETAILS, SEE JOINTING AND PCC PAVEMENT DETAIL PLAN.
4. SEE ROADWAY DETAILS FOR ADDITIONAL INFORMATION AND LIMITS OF VARIOUS TYPES OF CONCRETE BARRIERS.

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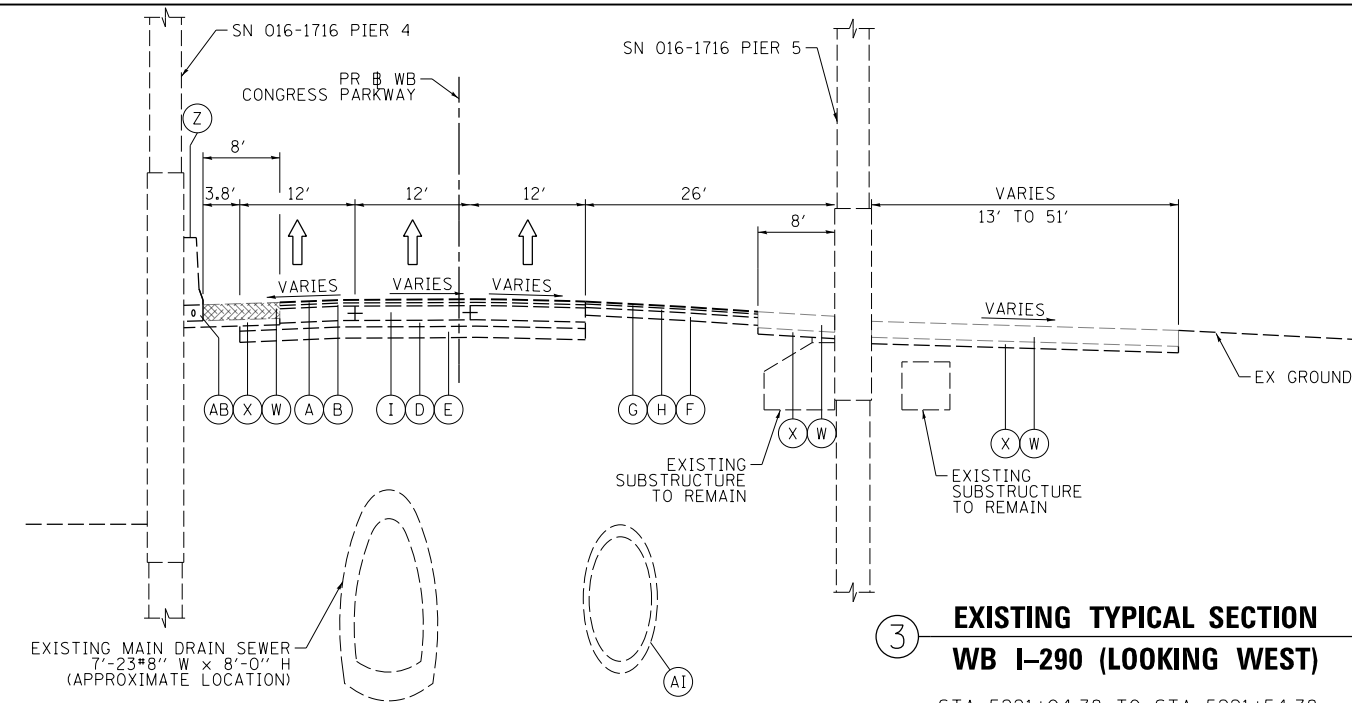
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

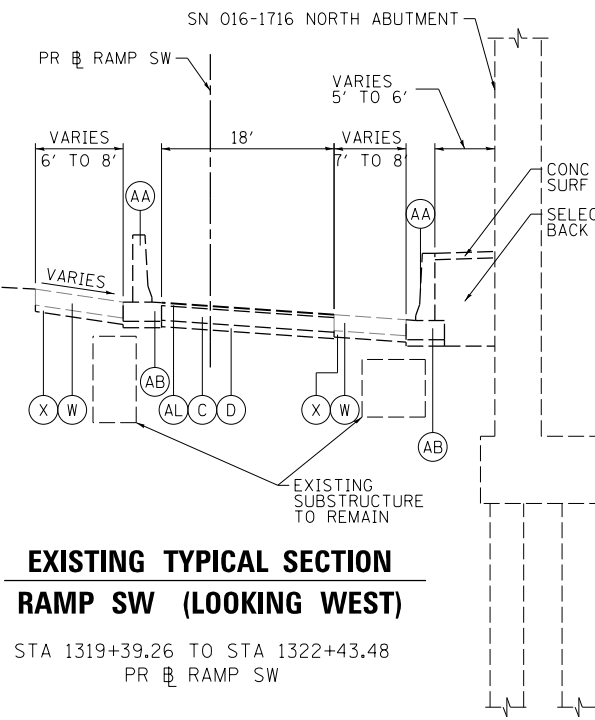
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	19
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				



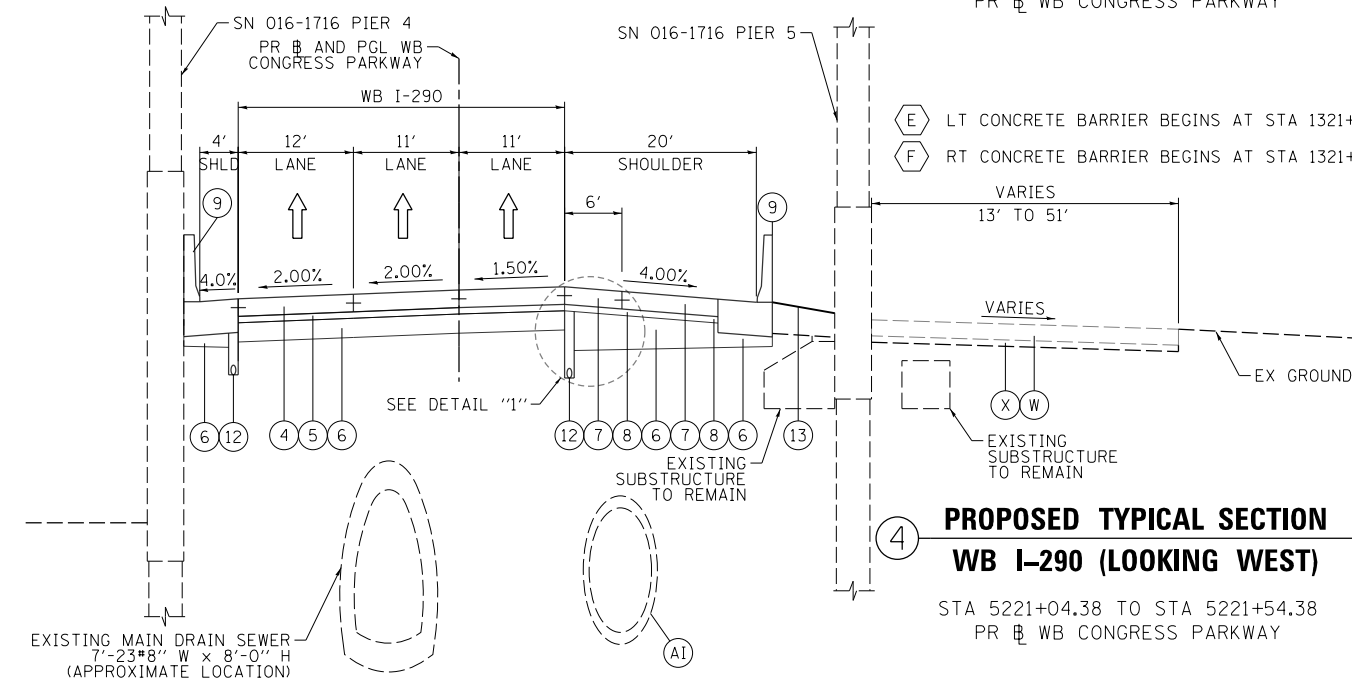
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WB I-290 (LOOKING WEST)**

STA 5221+04.38 TO STA 5221+54.38
PR WB CONGRESS PARKWAY



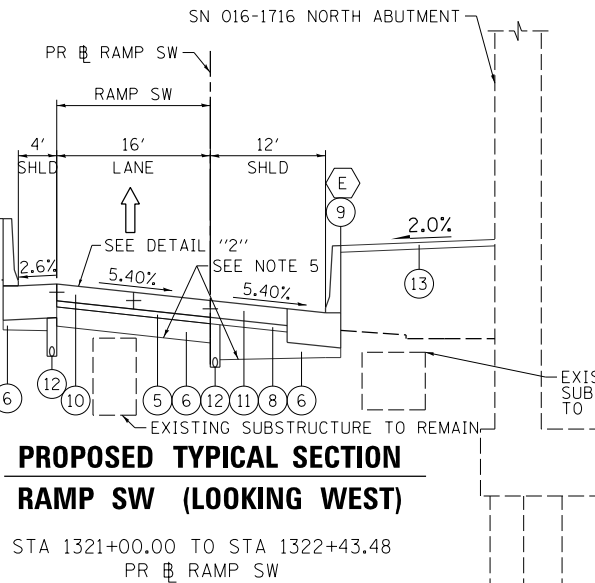
**EXISTING TYPICAL SECTION
RAMP SW (LOOKING WEST)**

STA 1319+39.26 TO STA 1322+43.48
PR RAMP SW



**PROPOSED TYPICAL SECTION
WB I-290 (LOOKING WEST)**

STA 5221+04.38 TO STA 5221+54.38
PR WB CONGRESS PARKWAY

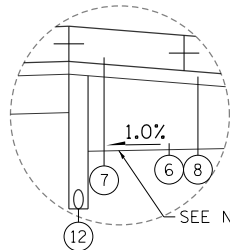


**PROPOSED TYPICAL SECTION
RAMP SW (LOOKING WEST)**

STA 1321+00.00 TO STA 1322+43.48
PR RAMP SW

NOTES:

1. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE IMPROVEMENT UNDER THE SHOULDER TO DRAIN TO UNDERDRAINS SHALL BE INCLUDED IN THE COST PER SQ. YD. OF AGGREGATE SUBGRADE IMPROVEMENT 12".
2. THE MAXIMUM ROLLOVER BETWEEN THE PAVEMENT AND THE SHOULDER ON THE HIGH SIDE OF THE SUPERELEVATION IS 8.0%.
3. FOR PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED) DETAILS, SEE JOINTING AND PCC PAVEMENT DETAIL PLAN.
4. SEE ROADWAY DETAILS FOR ADDITIONAL INFORMATION AND LIMITS OF VARIOUS TYPES OF CONCRETE BARRIERS.
5. ADDITIONAL UNDERCUT (UP TO 12") BELOW RAMP SW MAY BE REQUIRED AS DETERMINED BY THE ENGINEER. THIS ADDITIONAL EXCAVATION SHALL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL". THE EXCAVATION SHALL BE REPLACED WITH "AGGREGATE SUBGRADE IMPROVEMENT (CU YD)".



DETAIL "1"
SCALE: NONE

SEE SUPERELEVATION TRANSITION DETAILS FOR CROSS SLOPES

- A LT TEMP CON BAR (PERM) FROM STA 1319+52.93 TO STA 1321+00.00
- B RT TEMP CON BAR (PERM) FROM STA 1320+24.22 TO STA 1321+52.90
- C LT TEMPORARY PAVEMENT (SHLD) FROM STA 1319+53.01 TO STA 1321+00.00
- D RT TEMPORARY PAVEMENT (SHLD) FROM STA 1320+24.40 TO STA 1321+52.90

DETAIL "2"

RAMP SW FROM STA 1320+60.00 TO STA 1321+52.90
SCALE: NONE

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 PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- F BITUMINOUS SHOULDER
- G HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- H HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- I PCC PAVEMENT, 10"
- J COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- K PCC SHOULDER
- L PIPE UNDERDRAIN
- M RETAINING WALL
- N CONCRETE BARRIER
- O FENCE
- P PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- Q STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- R AGGREGATE SUBGRADE IMPROVEMENT 24"
- S PORTLAND CEMENT CONCRETE SHOULDERS 11"
- T PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
- U PORTLAND CEMENT CONCRETE SHOULDER, 9"
- V SUBBASE GRANULAR MATERIAL, TYPE C 4"
- W TEMPORARY PAVEMENT
- X SUBBASE GRANULAR MATERIAL, TYPE B 4"
- Y TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A
- Z CONCRETE BARRIER, SINGLE FACE, 42" HEIGHT
- AA CONCRETE BARRIER WALL (SPECIAL)
- AB CONCRETE BARRIER BASE
- AC TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- AD COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- AE LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 30" CENTERS
- AF LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 24" CENTERS
- AG TIE BARS, #6 EPOXY COATED BARS AT 24" CENTERS
- AH PIPE UNDERDRAINS 6"
- AI STORM SEWERS, 78" OR 84"
- AJ AGGREGATE SUBGRADE IMPROVEMENT 12"
- AK GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- AL POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, (IL-9.5 MM): 1 3/4"
- AM PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- AN PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"
- AO ANCHOR SLAB
- AP PARAPET

PROPOSED

- 1 HOT-MIX ASPHALT SURFACE REMOVAL 4"
- 2 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 2"
- 3 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80 2"
- 4 PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- 5 STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- 6 AGGREGATE SUBGRADE IMPROVEMENT 12"
- 7 PORTLAND CEMENT CONCRETE SHOULDERS 11"
- 8 SUBBASE GRANULAR MATERIAL, TYPE C 4"
- 9 CONCRETE BARRIER (SEE BARRIER DETAILS FOR LIMITS OF VARIOUS TYPES)
- 10 PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- 11 PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"
- 12 PIPE UNDERDRAINS 4" OR 6" (SEE DRAINAGE PLANS)
- 13 TOPSOIL FURNISH AND PLACE, 4" AND SEEDING, CLASS 2A (SEE EROSION CONTROL PLANS)
- 14 TEMPORARY PAVEMENT
- 15 SUBBASE GRANULAR MATERIAL, TYPE B 4"
- 16 TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- 17 TEMPORARY FENCE (SPECIAL), SEE TEMPORARY FENCE (SPECIAL) PLANS FOR LOCATIONS



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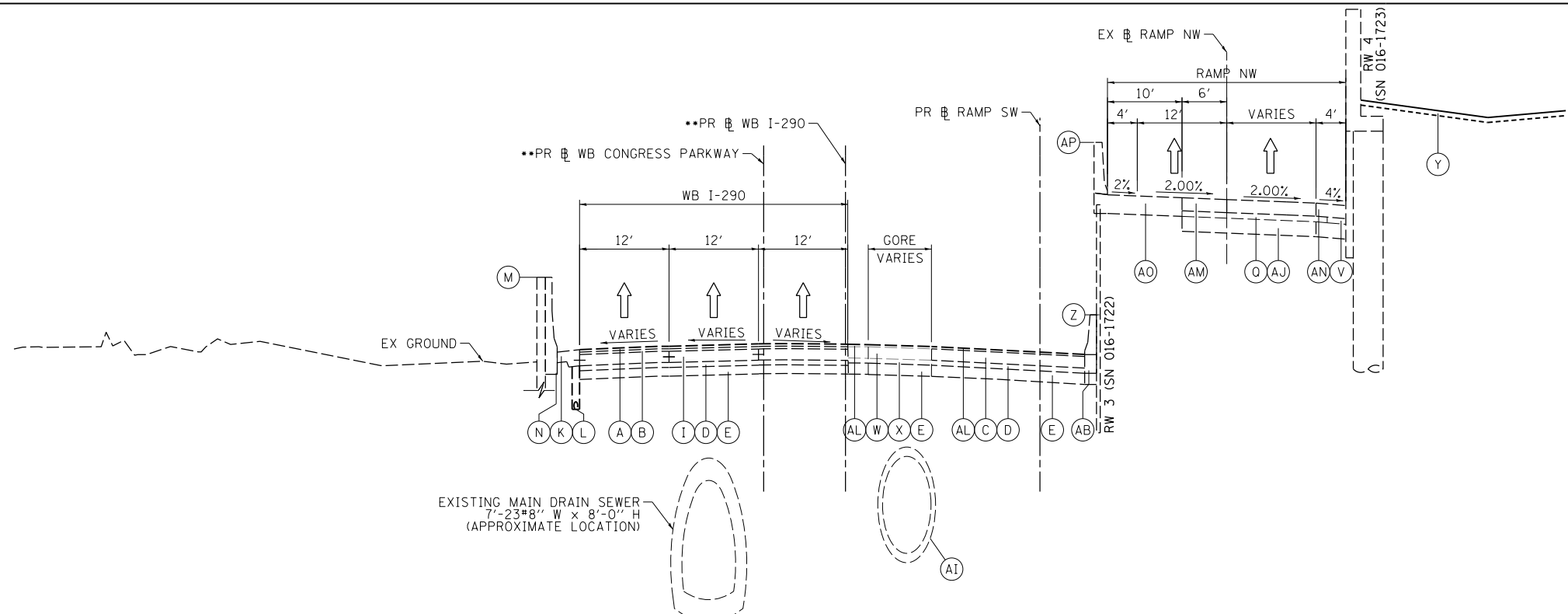
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NONE SHEET 2 OF 9 SHEETS STA. TO STA.

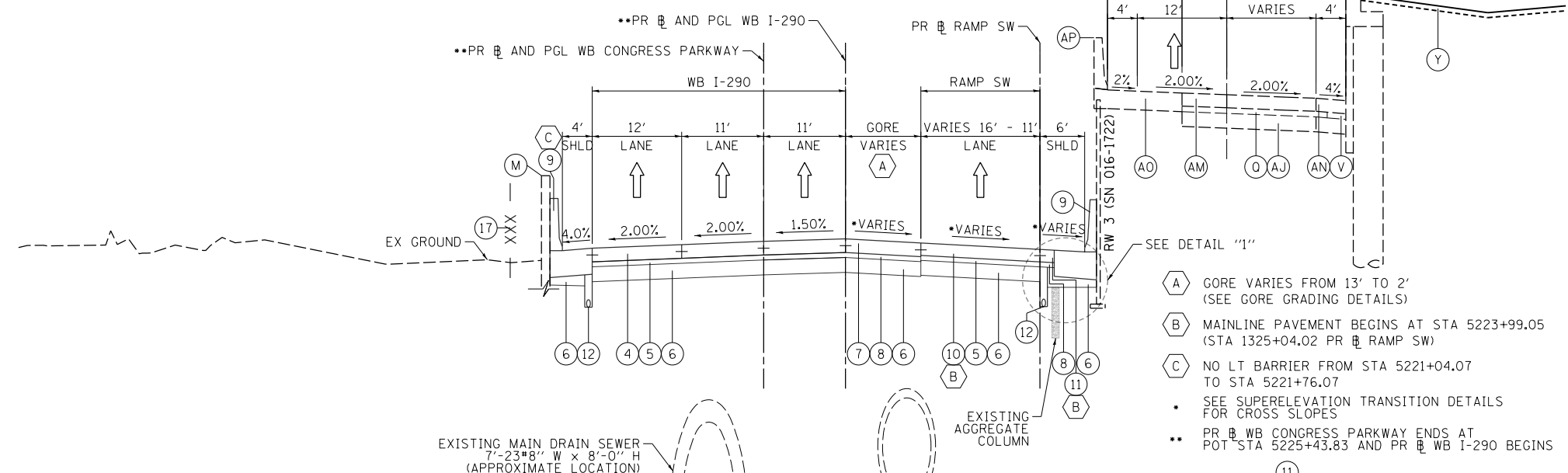
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	20
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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**5 EXISTING TYPICAL SECTION
WB I-290 (LOOKING WEST)**

STA 5221+54.38 PR WB CONGRESS PARKWAY
TO STA 5227+94.18 PR WB I-290



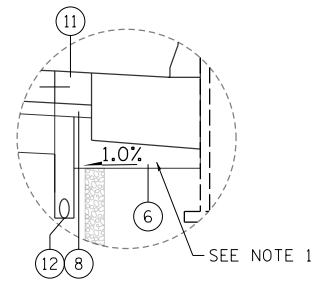
**6 PROPOSED TYPICAL SECTION
WB I-290 (LOOKING WEST)**

STA 5221+54.38 PR WB CONGRESS PARKWAY
TO STA 5227+94.18 PR WB I-290

NOTES:

1. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE IMPROVEMENT UNDER THE SHOULDER TO DRAIN TO UNDERDRAINS SHALL BE INCLUDED IN THE COST PER SQ. YD. OF AGGREGATE SUBGRADE IMPROVEMENT 12".
2. THE MAXIMUM ROLLOVER BETWEEN THE PAVEMENT AND THE SHOULDER ON THE HIGH SIDE OF THE SUPERELEVATION IS 8.0%.
3. FOR PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED) DETAILS, SEE JOINTING AND PCC PAVEMENT DETAIL PLAN.
4. SEE ROADWAY DETAILS FOR ADDITIONAL INFORMATION AND LIMITS OF VARIOUS TYPES OF CONCRETE BARRIERS.

- A GORE VARIES FROM 13' TO 2' (SEE GORE GRADING DETAILS)
- B MAINLINE PAVEMENT BEGINS AT STA 5223+99.05 (STA 1325+04.02 PR RAMP SW)
- C NO LT BARRIER FROM STA 5221+04.07 TO STA 5221+76.07
 - SEE SUPERELEVATION TRANSITION DETAILS FOR CROSS SLOPES
- ** PR WB CONGRESS PARKWAY ENDS AT POT STA 5225+43.83 AND PR WB I-290 BEGINS



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 PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- F BITUMINOUS SHOULDER
- G HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- H HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- I PCC PAVEMENT, 10"
- J COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- K PCC SHOULDER
- L PIPE UNDERDRAIN
- M RETAINING WALL
- N CONCRETE BARRIER
- O FENCE
- P PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- Q STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- R AGGREGATE SUBGRADE IMPROVEMENT 24"
- S PORTLAND CEMENT CONCRETE SHOULDERS 11"
- T PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
- U PORTLAND CEMENT CONCRETE SHOULDER, 9"
- V SUBBASE GRANULAR MATERIAL, TYPE C 4"
- W TEMPORARY PAVEMENT
- X SUBBASE GRANULAR MATERIAL, TYPE B 4"
- Y TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A
- Z CONCRETE BARRIER, SINGLE FACE, 42" HEIGHT
- AA CONCRETE BARRIER WALL (SPECIAL)
- AB CONCRETE BARRIER BASE
- AC TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- AD COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- AE LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 30" CENTERS
- AF LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 24" CENTERS
- AG TIE BARS, #6 EPOXY COATED BARS AT 24" CENTERS
- AH PIPE UNDERDRAINS 6"
- AI STORM SEWERS, 78" OR 84"
- AJ AGGREGATE SUBGRADE IMPROVEMENT 12"
- AK GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- AL POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, (IL-9.5 MM): 1 3/4"
- AM PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- AN PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"
- AO ANCHOR SLAB
- AP PARAPET

PROPOSED

- 1 HOT-MIX ASPHALT SURFACE REMOVAL 4"
- 2 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 2"
- 3 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80 2"
- 4 PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- 5 STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- 6 AGGREGATE SUBGRADE IMPROVEMENT 12"
- 7 PORTLAND CEMENT CONCRETE SHOULDERS 11"
- 8 SUBBASE GRANULAR MATERIAL, TYPE C 4"
- 9 CONCRETE BARRIER (SEE BARRIER DETAILS FOR LIMITS OF VARIOUS TYPES)
- 10 PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- 11 PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"
- 12 PIPE UNDERDRAINS 4" OR 6" (SEE DRAINAGE PLANS)
- 13 TOPSOIL FURNISH AND PLACE, 4" AND SEEDING, CLASS 2A (SEE EROSION CONTROL PLANS)
- 14 TEMPORARY PAVEMENT
- 15 SUBBASE GRANULAR MATERIAL, TYPE B 4"
- 16 TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- 17 TEMPORARY FENCE (SPECIAL), SEE TEMPORARY FENCE (SPECIAL) PLANS FOR LOCATIONS

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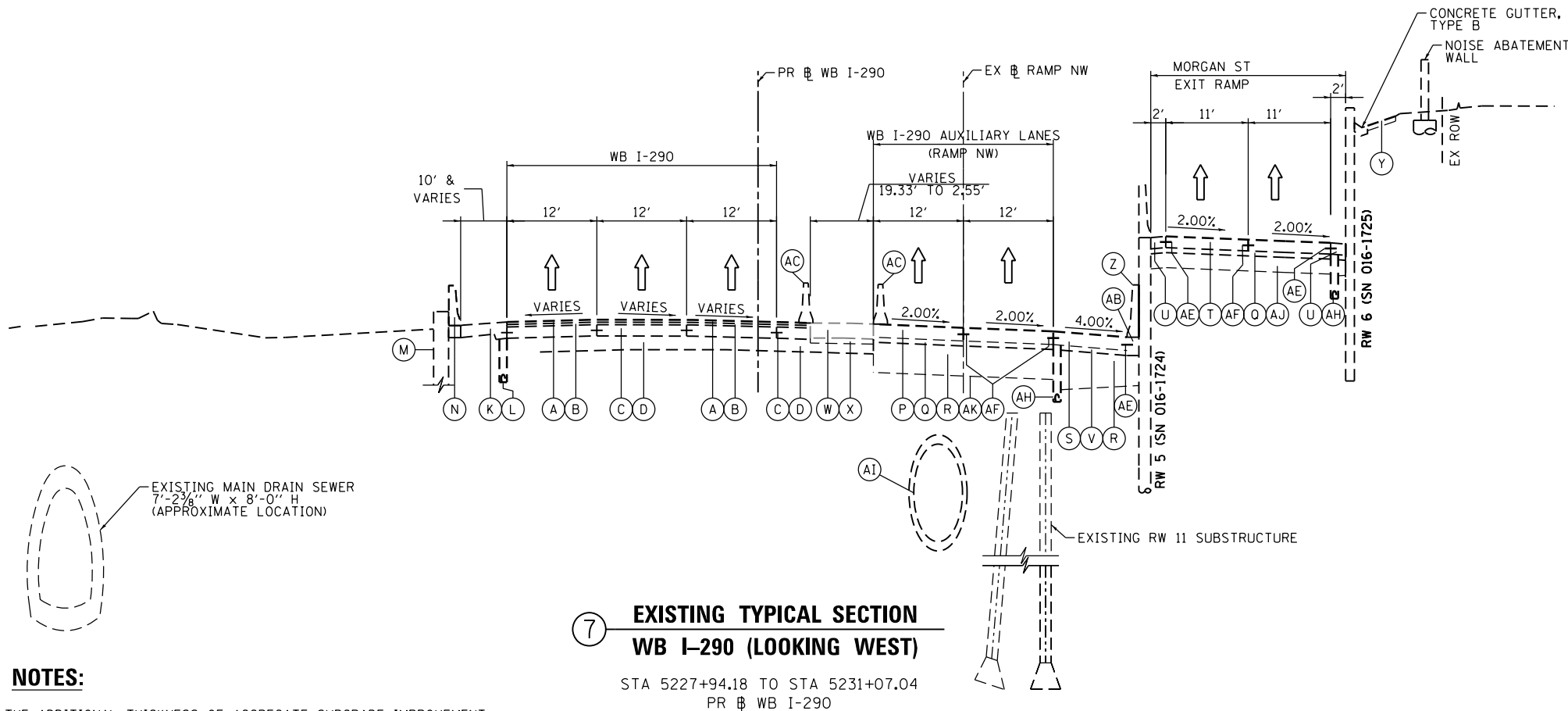
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NONE SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	21
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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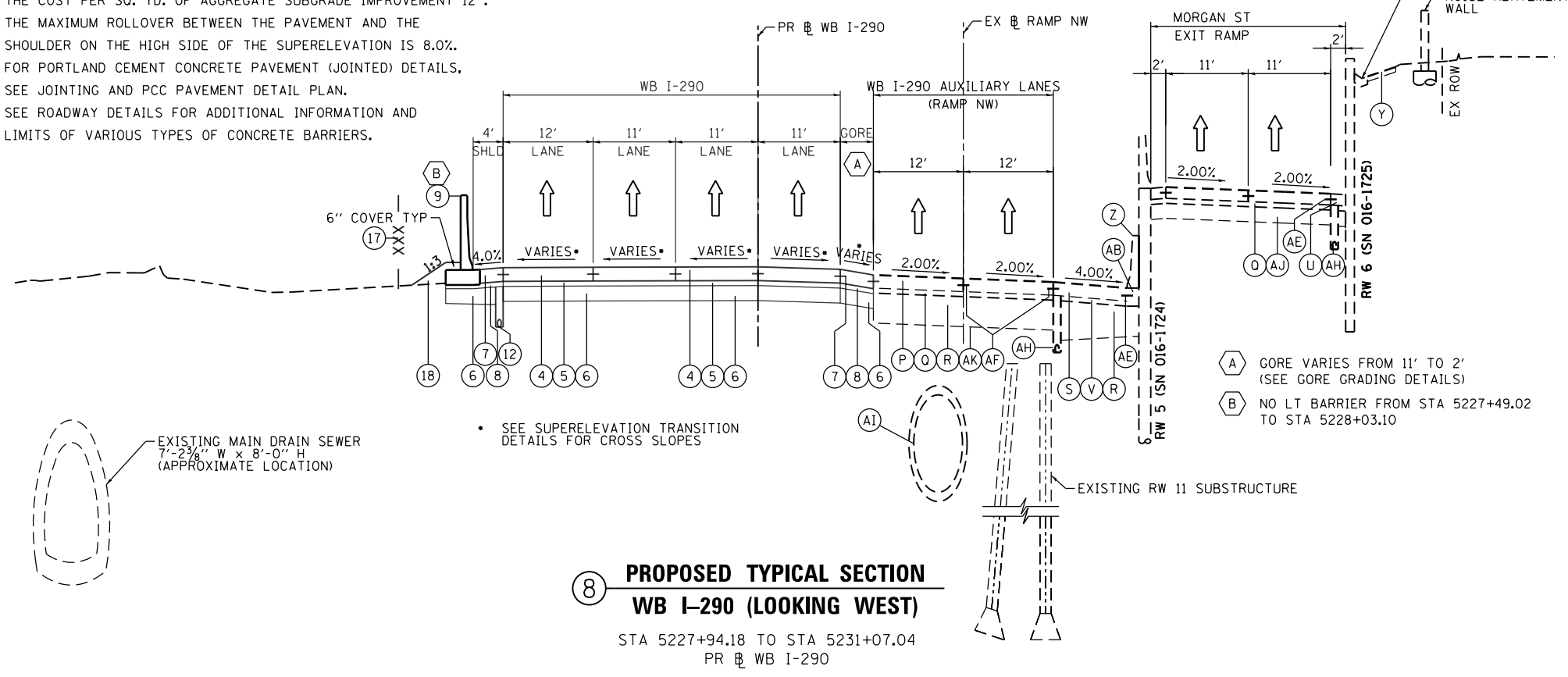


7 EXISTING TYPICAL SECTION
WB I-290 (LOOKING WEST)

STA 5227+94.18 TO STA 5231+07.04
PR WB I-290

NOTES:

1. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE IMPROVEMENT UNDER THE SHOULDER TO DRAIN TO UNDERDRAINS SHALL BE INCLUDED IN THE COST PER SQ. YD. OF AGGREGATE SUBGRADE IMPROVEMENT 12".
2. THE MAXIMUM ROLLOVER BETWEEN THE PAVEMENT AND THE SHOULDER ON THE HIGH SIDE OF THE SUPERELEVATION IS 8.0%.
3. FOR PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED) DETAILS, SEE JOINTING AND PCC PAVEMENT DETAIL PLAN.
4. SEE ROADWAY DETAILS FOR ADDITIONAL INFORMATION AND LIMITS OF VARIOUS TYPES OF CONCRETE BARRIERS.



8 PROPOSED TYPICAL SECTION
WB I-290 (LOOKING WEST)

STA 5227+94.18 TO STA 5231+07.04
PR WB I-290

SEE SUPERELEVATION TRANSITION DETAILS FOR CROSS SLOPES

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) PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- (F) BITUMINOUS SHOULDER
- (G) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (H) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- (I) PCC PAVEMENT, 10"
- (J) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (K) PCC SHOULDER
- (L) PIPE UNDERDRAIN
- (M) RETAINING WALL
- (N) CONCRETE BARRIER
- (O) FENCE
- (P) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- (Q) STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- (R) AGGREGATE SUBGRADE IMPROVEMENT 24"
- (S) PORTLAND CEMENT CONCRETE SHOULDERS 11"
- (T) PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
- (U) PORTLAND CEMENT CONCRETE SHOULDER, 9"
- (V) SUBBASE GRANULAR MATERIAL, TYPE C 4"
- (W) TEMPORARY PAVEMENT
- (X) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (Y) TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A
- (Z) CONCRETE BARRIER, SINGLE FACE, 42" HEIGHT
- (AA) CONCRETE BARRIER WALL (SPECIAL)
- (AB) CONCRETE BARRIER BASE
- (AC) TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- (AD) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (AE) LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 30" CENTERS
- (AF) LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 24" CENTERS
- (AG) TIE BARS, #6 EPOXY COATED BARS AT 24" CENTERS
- (AH) PIPE UNDERDRAINS 6"
- (AI) STORM SEWERS, 78" OR 84"
- (AJ) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (AK) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (AL) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, (IL-9.5 MM): 1 3/4"
- (AM) PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- (AN) PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"
- (AO) ANCHOR SLAB
- (AP) PARAPET

PROPOSED

- (1) HOT-MIX ASPHALT SURFACE REMOVAL 4"
- (2) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 2"
- (3) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80 2"
- (4) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- (5) STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- (6) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (7) PORTLAND CEMENT CONCRETE SHOULDERS 11"
- (8) SUBBASE GRANULAR MATERIAL, TYPE C 4"
- (9) CONCRETE BARRIER (SEE BARRIER DETAILS FOR LIMITS OF VARIOUS TYPES)
- (10) PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- (11) PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"
- (12) PIPE UNDERDRAINS 4" OR 6" (SEE DRAINAGE PLANS)
- (13) TOPSOIL FURNISH AND PLACE, 4" AND SEEDING, CLASS 2A (SEE EROSION CONTROL PLANS)
- (14) TEMPORARY PAVEMENT
- (15) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (16) TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- (17) TEMPORARY FENCE (SPECIAL), SEE TEMPORARY FENCE (SPECIAL) PLANS FOR LOCATIONS
- (18) BALLAST



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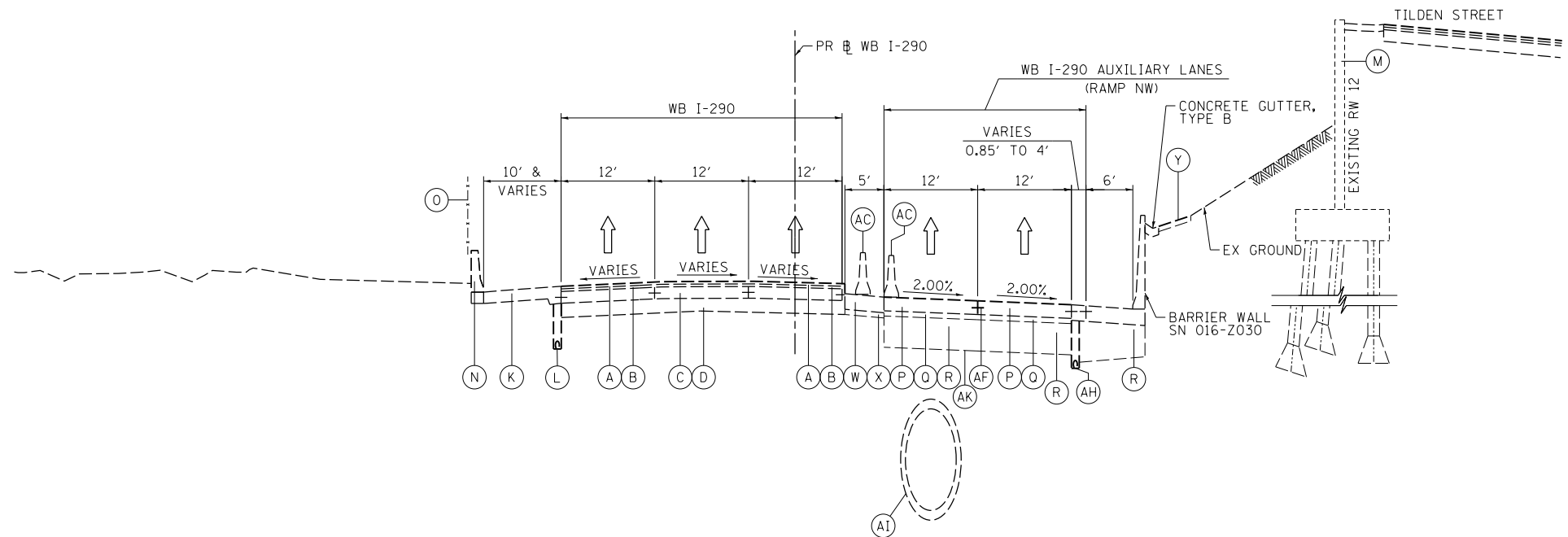
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

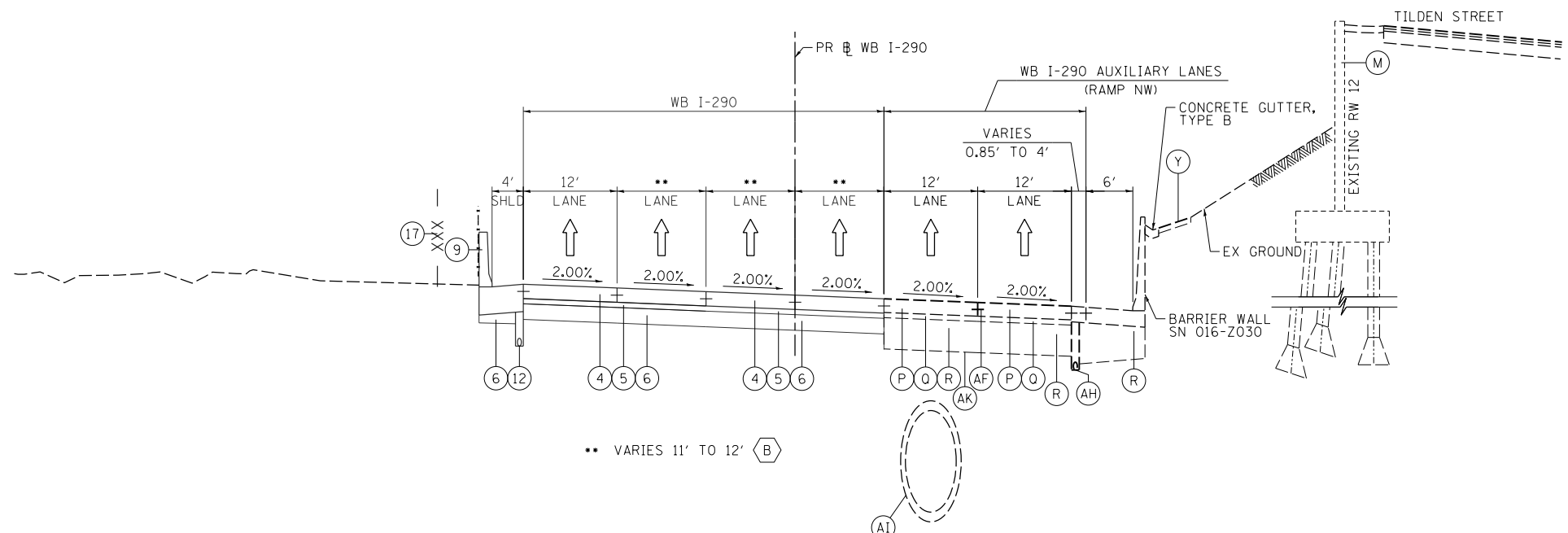
TYPICAL SECTIONS

SCALE: NONE SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	22
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				



**9 EXISTING TYPICAL SECTION
WB I-290 (LOOKING WEST)**
STA 5231+07.04 TO STA 5237+55.79



**10 PROPOSED TYPICAL SECTION
WB I-290 (LOOKING WEST)**
STA 5231+07.04 TO STA 5237+55.79

NOTES:

1. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE IMPROVEMENT UNDER THE SHOULDER TO DRAIN TO UNDERDRAINS SHALL BE INCLUDED IN THE COST PER SQ. YD. OF AGGREGATE SUBGRADE IMPROVEMENT 12".
2. THE MAXIMUM ROLLOVER BETWEEN THE PAVEMENT AND THE SHOULDER ON THE HIGH SIDE OF THE SUPERELEVATION IS 8.0%.
3. FOR PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED) DETAILS, SEE JOINTING AND PCC PAVEMENT DETAIL PLAN.
4. SEE ROADWAY DETAILS FOR ADDITIONAL INFORMATION AND LIMITS OF VARIOUS TYPES OF CONCRETE BARRIERS.

- A NO LT BARRIER FROM STA 5233+87.39 TO STA 5234+35.15
- B FOR JOINTING SPACING TRANSITION SEE JOINTING PLANS

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 PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- F BITUMINOUS SHOULDER
- G HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- H HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- I PCC PAVEMENT, 10"
- J COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- K PCC SHOULDER
- L PIPE UNDERDRAIN
- M RETAINING WALL
- N CONCRETE BARRIER
- O FENCE
- P PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- Q STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- R AGGREGATE SUBGRADE IMPROVEMENT 24"
- S PORTLAND CEMENT CONCRETE SHOULDERS 11"
- T PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
- U PORTLAND CEMENT CONCRETE SHOULDER, 9"
- V SUBBASE GRANULAR MATERIAL, TYPE C 4"
- W TEMPORARY PAVEMENT
- X SUBBASE GRANULAR MATERIAL, TYPE B 4"
- Y TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A
- Z CONCRETE BARRIER, SINGLE FACE, 42" HEIGHT
- AA CONCRETE BARRIER WALL (SPECIAL)
- AB CONCRETE BARRIER BASE
- AC TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- AD COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- AE LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 30" CENTERS
- AF LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 24" CENTERS
- AG TIE BARS, #6 EPOXY COATED BARS AT 24" CENTERS
- AH PIPE UNDERDRAINS 6"
- AI STORM SEWERS, 78" OR 84"
- AJ AGGREGATE SUBGRADE IMPROVEMENT 12"
- AK GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- AL POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, (IL-9.5 MM): 1 3/4"
- AM PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- AN PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"
- AO ANCHOR SLAB
- AP PARAPET

PROPOSED

- 1 HOT-MIX ASPHALT SURFACE REMOVAL 4"
- 2 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 2"
- 3 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80 2"
- 4 PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- 5 STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- 6 AGGREGATE SUBGRADE IMPROVEMENT 12"
- 7 PORTLAND CEMENT CONCRETE SHOULDERS 11"
- 8 SUBBASE GRANULAR MATERIAL, TYPE C 4"
- 9 CONCRETE BARRIER (SEE BARRIER DETAILS FOR LIMITS OF VARIOUS TYPES)
- 10 PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- 11 PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"
- 12 PIPE UNDERDRAINS 4" OR 6" (SEE DRAINAGE PLANS)
- 13 TOPSOIL FURNISH AND PLACE, 4" AND SEEDING, CLASS 2A (SEE EROSION CONTROL PLANS)
- 14 TEMPORARY PAVEMENT
- 15 SUBBASE GRANULAR MATERIAL, TYPE B 4"
- 16 TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- 17 TEMPORARY FENCE (SPECIAL), SEE TEMPORARY FENCE (SPECIAL) PLANS FOR LOCATIONS

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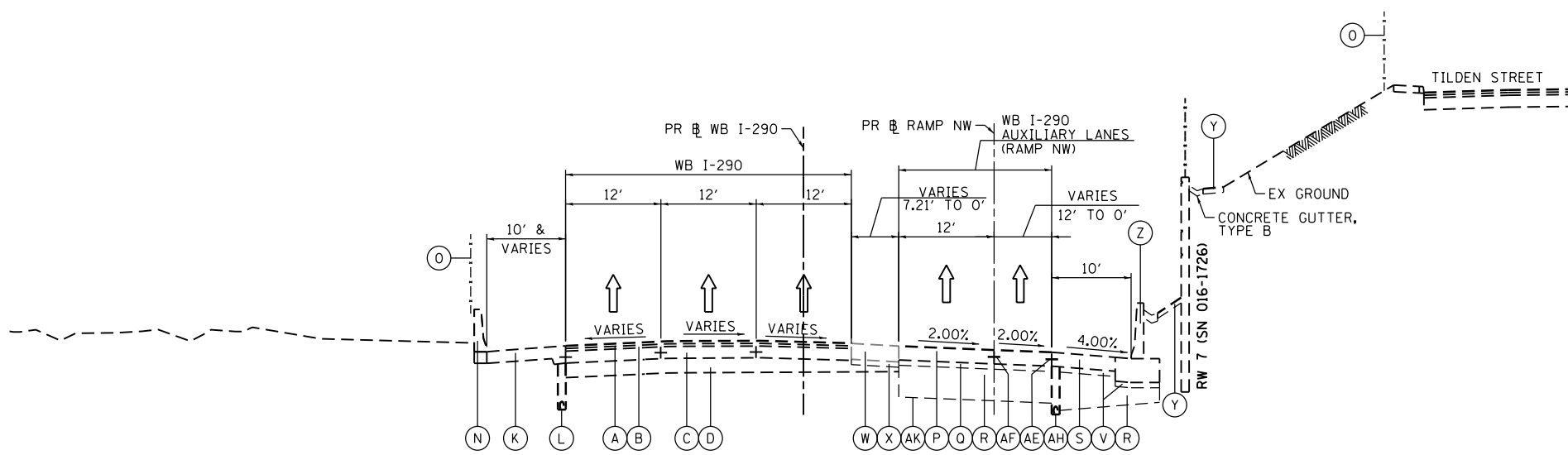
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: NONE SHEET 5 OF 9 SHEETS STA. TO STA.

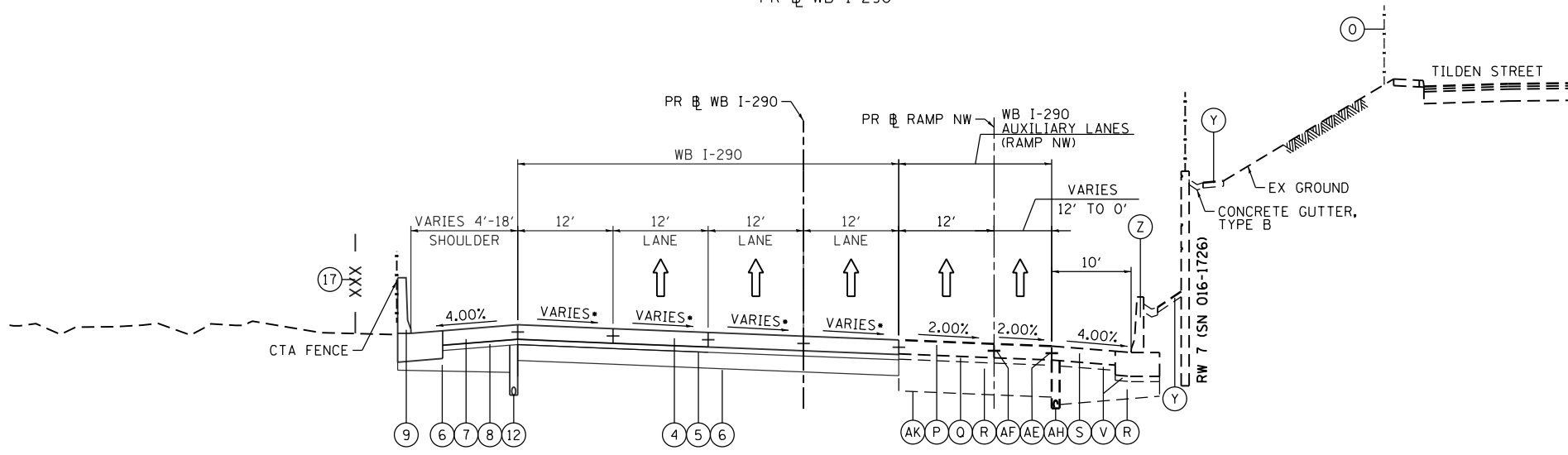
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	23
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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**11 EXISTING TYPICAL SECTION
WB I-290 (LOOKING WEST)**

STA 5237+55.79 TO STA 5245+40.00
PR WB I-290



**12 PROPOSED TYPICAL SECTION
WB I-290 (LOOKING WEST)**

STA 5237+55.79 TO STA 5245+40.00
PR WB I-290

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) PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- (F) BITUMINOUS SHOULDER
- (G) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (H) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- (I) PCC PAVEMENT, 10"
- (J) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (K) PCC SHOULDER
- (L) PIPE UNDERDRAIN
- (M) RETAINING WALL
- (N) CONCRETE BARRIER
- (O) FENCE
- (P) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- (Q) STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- (R) AGGREGATE SUBGRADE IMPROVEMENT 24"
- (S) PORTLAND CEMENT CONCRETE SHOULDERS 11"
- (T) PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
- (U) PORTLAND CEMENT CONCRETE SHOULDER, 9"
- (V) SUBBASE GRANULAR MATERIAL, TYPE C 4"
- (W) TEMPORARY PAVEMENT
- (X) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (Y) TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A
- (Z) CONCRETE BARRIER, SINGLE FACE, 42" HEIGHT
- (AA) CONCRETE BARRIER WALL (SPECIAL)
- (AB) CONCRETE BARRIER BASE
- (AC) TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- (AD) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (AE) LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 30" CENTERS
- (AF) LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 24" CENTERS
- (AG) TIE BARS, #6 EPOXY COATED BARS AT 24" CENTERS
- (AH) PIPE UNDERDRAINS 6"
- (AI) STORM SEWERS, 78" OR 84"
- (AJ) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (AK) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (AL) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, (IL-9.5 MM): 1 3/4"
- (AM) PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- (AN) PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"
- (AO) ANCHOR SLAB
- (AP) PARAPET

PROPOSED

- (1) HOT-MIX ASPHALT SURFACE REMOVAL 4"
- (2) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 2"
- (3) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80 2"
- (4) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- (5) STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- (6) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (7) PORTLAND CEMENT CONCRETE SHOULDERS 11"
- (8) SUBBASE GRANULAR MATERIAL, TYPE C 4"
- (9) CONCRETE BARRIER (SEE BARRIER DETAILS FOR LIMITS OF VARIOUS TYPES)
- (10) PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- (11) PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"
- (12) PIPE UNDERDRAINS 4" OR 6" (SEE DRAINAGE PLANS)
- (13) TOPSOIL FURNISH AND PLACE, 4" AND SEEDING, CLASS 2A (SEE EROSION CONTROL PLANS)
- (14) TEMPORARY PAVEMENT
- (15) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (16) TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- (17) TEMPORARY FENCE (SPECIAL), SEE TEMPORARY FENCE (SPECIAL) PLANS FOR LOCATIONS

NOTES:

1. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE IMPROVEMENT UNDER THE SHOULDER TO DRAIN TO UNDERDRAINS SHALL BE INCLUDED IN THE COST PER SQ. YD. OF AGGREGATE SUBGRADE IMPROVEMENT 12".
2. THE MAXIMUM ROLLOVER BETWEEN THE PAVEMENT AND THE SHOULDER ON THE HIGH SIDE OF THE SUPERELEVATION IS 8.0%.
3. FOR PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED) DETAILS, SEE JOINTING AND PCC PAVEMENT DETAIL PLAN.
4. SEE ROADWAY DETAILS FOR ADDITIONAL INFORMATION AND LIMITS OF VARIOUS TYPES OF CONCRETE BARRIERS.

• SEE SUPERELEVATION TRANSITION DETAILS FOR CROSS SLOPES



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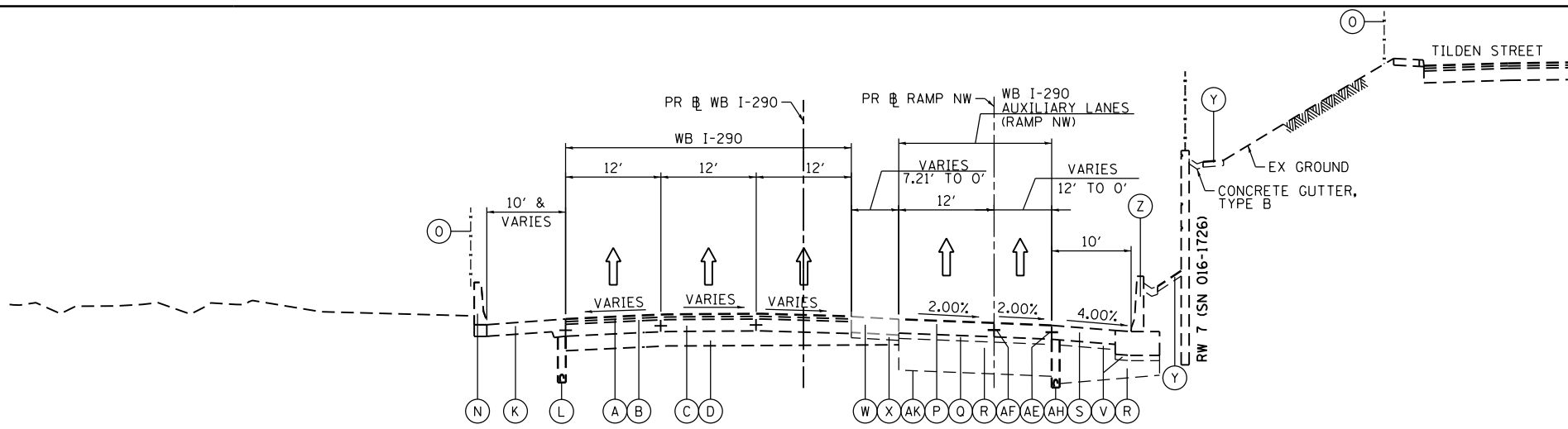
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

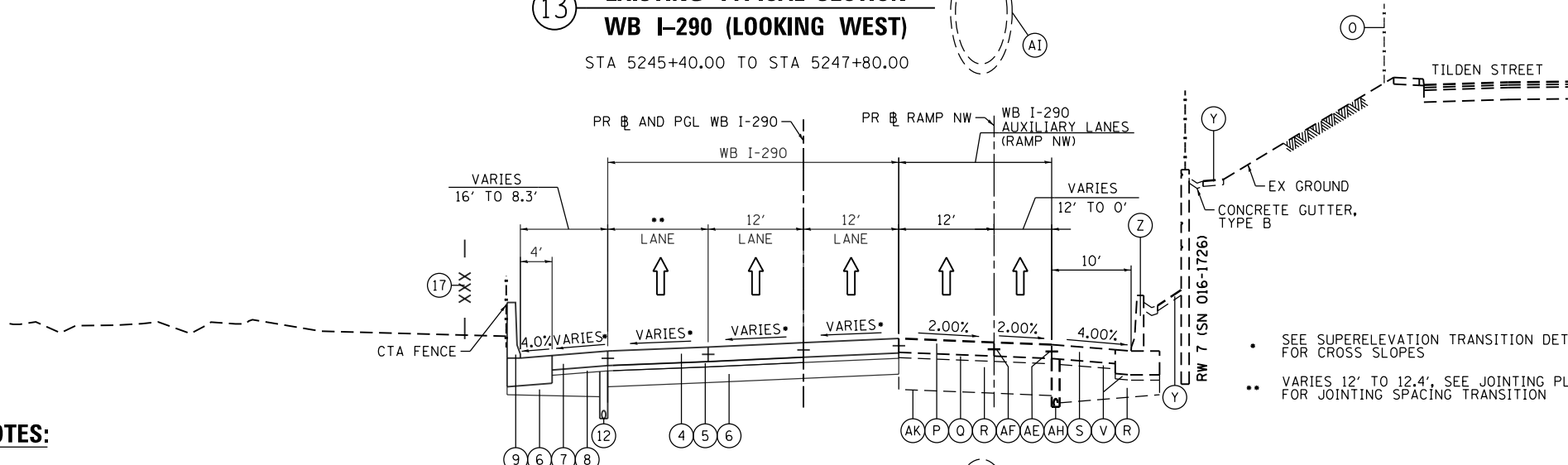
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	24
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

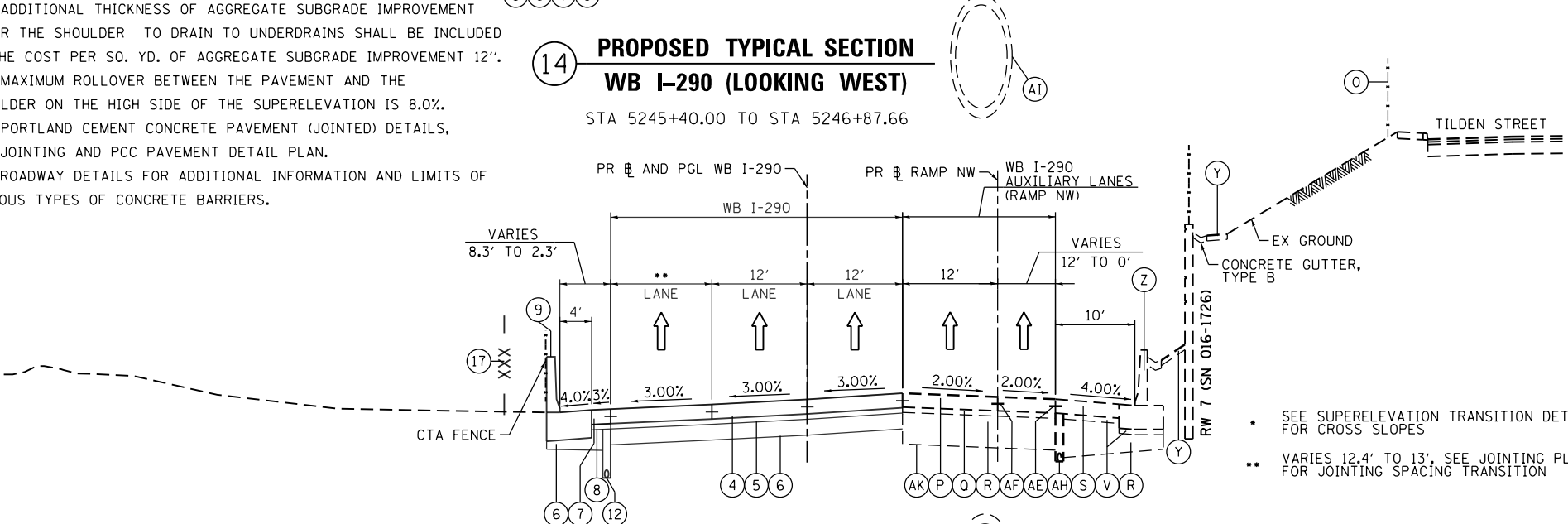
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**13 EXISTING TYPICAL SECTION
WB I-290 (LOOKING WEST)**
STA 5245+40.00 TO STA 5247+80.00



**14 PROPOSED TYPICAL SECTION
WB I-290 (LOOKING WEST)**
STA 5245+40.00 TO STA 5246+87.66



**15 PROPOSED TYPICAL SECTION
WB I-290 (LOOKING WEST)**
STA 5246+87.66 TO STA 5247+80.00

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) PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- (F) BITUMINOUS SHOULDER
- (G) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (H) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- (I) PCC PAVEMENT, 10"
- (J) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (K) PCC SHOULDER
- (L) PIPE UNDERDRAIN
- (M) RETAINING WALL
- (N) CONCRETE BARRIER
- (O) FENCE
- (P) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- (Q) STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- (R) AGGREGATE SUBGRADE IMPROVEMENT 24"
- (S) PORTLAND CEMENT CONCRETE SHOULDERS 11"
- (T) PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
- (U) PORTLAND CEMENT CONCRETE SHOULDER, 9"
- (V) SUBBASE GRANULAR MATERIAL, TYPE C 4"
- (W) TEMPORARY PAVEMENT
- (X) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (Y) TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A
- (Z) CONCRETE BARRIER, SINGLE FACE, 42" HEIGHT
- (AA) CONCRETE BARRIER WALL (SPECIAL)
- (AB) CONCRETE BARRIER BASE
- (AC) TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- (AD) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (AE) LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 30" CENTERS
- (AF) LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 24" CENTERS
- (AG) TIE BARS, #6 EPOXY COATED BARS AT 24" CENTERS
- (AH) PIPE UNDERDRAINS 6"
- (AI) STORM SEWERS, 78" OR 84"
- (AJ) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (AK) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (AL) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, (IL-9.5 MM): 1 3/4"
- (AM) PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- (AN) PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"
- (AO) ANCHOR SLAB
- (AP) PARAPET

PROPOSED

- (1) HOT-MIX ASPHALT SURFACE REMOVAL 4"
- (2) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 2"
- (3) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80 2"
- (4) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- (5) STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- (6) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (7) PORTLAND CEMENT CONCRETE SHOULDERS 11"
- (8) SUBBASE GRANULAR MATERIAL, TYPE C 4"
- (9) CONCRETE BARRIER (SEE BARRIER DETAILS FOR LIMITS OF VARIOUS TYPES)
- (10) PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- (11) PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"
- (12) PIPE UNDERDRAINS 4" OR 6" (SEE DRAINAGE PLANS)
- (13) TOPSOIL FURNISH AND PLACE, 4" AND SEEDING, CLASS 2A (SEE EROSION CONTROL PLANS)
- (14) TEMPORARY PAVEMENT
- (15) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (16) TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- (17) TEMPORARY FENCE (SPECIAL), SEE TEMPORARY FENCE (SPECIAL) PLANS FOR LOCATIONS

NOTES:

1. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE IMPROVEMENT UNDER THE SHOULDER TO DRAIN TO UNDERDRAINS SHALL BE INCLUDED IN THE COST PER SQ. YD. OF AGGREGATE SUBGRADE IMPROVEMENT 12".
2. THE MAXIMUM ROLLOVER BETWEEN THE PAVEMENT AND THE SHOULDER ON THE HIGH SIDE OF THE SUPERELEVATION IS 8.0%.
3. FOR PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED) DETAILS, SEE JOINTING AND PCC PAVEMENT DETAIL PLAN.
4. SEE ROADWAY DETAILS FOR ADDITIONAL INFORMATION AND LIMITS OF VARIOUS TYPES OF CONCRETE BARRIERS.

- SEE SUPERELEVATION TRANSITION DETAILS FOR CROSS SLOPES
- VARIES 12' TO 12.4', SEE JOINTING PLANS FOR JOINTING SPACING TRANSITION

- SEE SUPERELEVATION TRANSITION DETAILS FOR CROSS SLOPES
- VARIES 12.4' TO 13', SEE JOINTING PLANS FOR JOINTING SPACING TRANSITION



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: NONE SHEET 7 OF 9 SHEETS STA. TO STA.

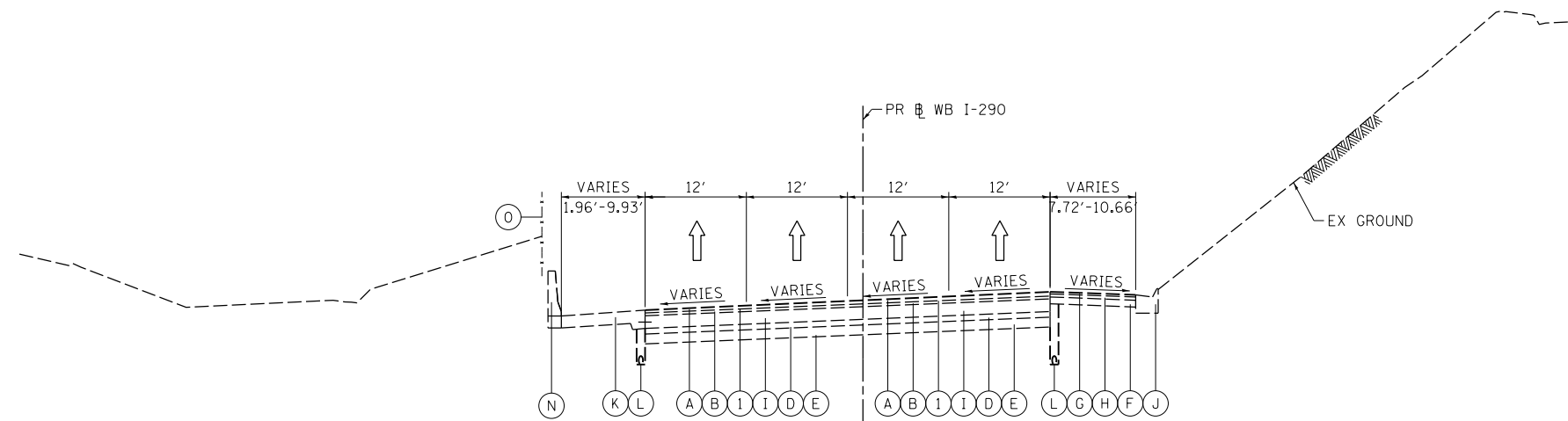
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	25
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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) PGE WRAPPED IN FABRIC (VARIOUS LOCATIONS)
- (F) BITUMINOUS SHOULDER
- (G) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (H) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- (I) PCC PAVEMENT, 10"
- (J) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (K) PCC SHOULDER
- (L) PIPE UNDERDRAIN
- (M) RETAINING WALL
- (N) CONCRETE BARRIER
- (O) FENCE
- (P) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- (Q) STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- (R) AGGREGATE SUBGRADE IMPROVEMENT 24"
- (S) PORTLAND CEMENT CONCRETE SHOULDERS 11"
- (T) PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
- (U) PORTLAND CEMENT CONCRETE SHOULDER, 9"
- (V) SUBBASE GRANULAR MATERIAL, TYPE C 4"
- (W) TEMPORARY PAVEMENT
- (X) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (Y) TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A
- (Z) CONCRETE BARRIER, SINGLE FACE, 42" HEIGHT
- (AA) CONCRETE BARRIER WALL (SPECIAL)
- (AB) CONCRETE BARRIER BASE
- (AC) TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- (AD) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (AE) LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 30" CENTERS
- (AF) LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 24" CENTERS
- (AG) TIE BARS, #6 EPOXY COATED BARS AT 24" CENTERS
- (AH) PIPE UNDERDRAINS 6"
- (AI) STORM SEWERS, 78" OR 84"
- (AJ) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (AK) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (AL) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, (IL-9.5 MM): 1 3/4"
- (AM) PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- (AN) PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"
- (AO) ANCHOR SLAB
- (AP) PARAPET

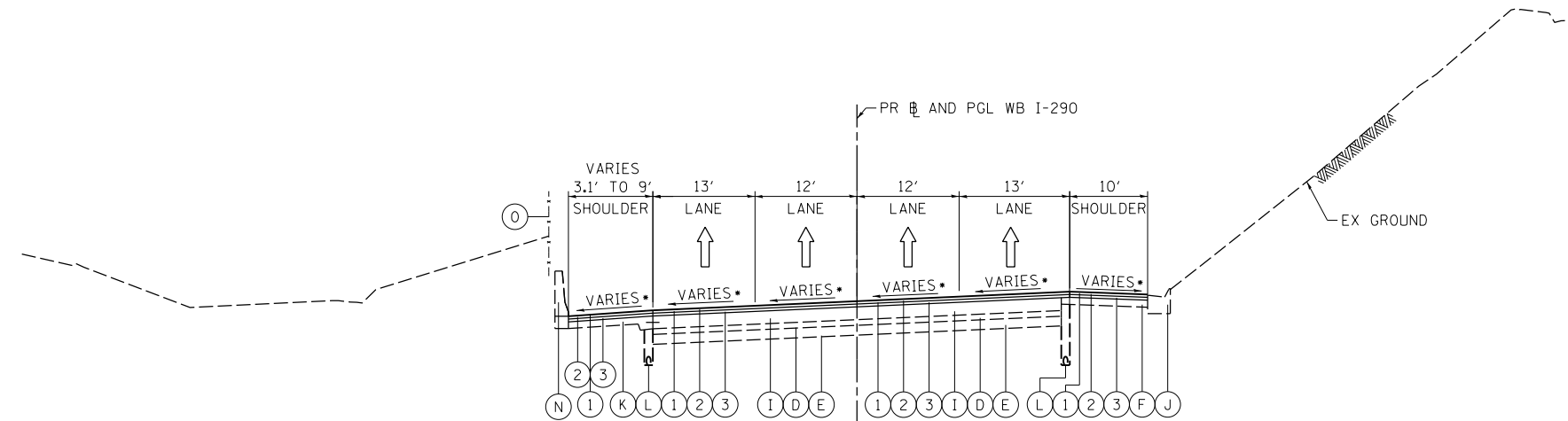
PROPOSED

- (1) HOT-MIX ASPHALT SURFACE REMOVAL 4"
- (2) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80 2"
- (3) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80 2"
- (4) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- (5) STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- (6) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (7) PORTLAND CEMENT CONCRETE SHOULDERS 11"
- (8) SUBBASE GRANULAR MATERIAL, TYPE C 4"
- (9) CONCRETE BARRIER (SEE BARRIER DETAILS FOR LIMITS OF VARIOUS TYPES)
- (10) PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)
- (11) PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"
- (12) PIPE UNDERDRAINS 4" OR 6" (SEE DRAINAGE PLANS)
- (13) TOPSOIL FURNISH AND PLACE, 4" AND SEEDING, CLASS 2A (SEE EROSION CONTROL PLANS)
- (14) TEMPORARY PAVEMENT
- (15) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (16) TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- (17) TEMPORARY FENCE (SPECIAL), SEE TEMPORARY FENCE (SPECIAL) PLANS FOR LOCATIONS



**16 EXISTING TYPICAL SECTION
WB I-290 (LOOKING WEST)**

STA 5247+80.00 TO STA 5250+40.00
PR WB I-290



SEE SUPERELEVATION TRANSITION DETAILS FOR CROSS SLOPES

**17 PROPOSED TYPICAL SECTION
WB I-290 (LOOKING WEST)**

STA 5247+80.00 TO STA 5250+40.00
PR WB I-290

NOTES:

1. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE IMPROVEMENT UNDER THE SHOULDER TO DRAIN TO UNDERDRAINS SHALL BE INCLUDED IN THE COST PER SQ. YD. OF AGGREGATE SUBGRADE IMPROVEMENT 12".
2. THE MAXIMUM ROLLOVER BETWEEN THE PAVEMENT AND THE SHOULDER ON THE HIGH SIDE OF THE SUPERELEVATION IS 8.0%.
3. FOR PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED) DETAILS, SEE JOINTING AND PCC PAVEMENT DETAIL PLAN.
4. SEE ROADWAY DETAILS FOR ADDITIONAL INFORMATION AND LIMITS OF VARIOUS TYPES OF CONCRETE BARRIERS.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

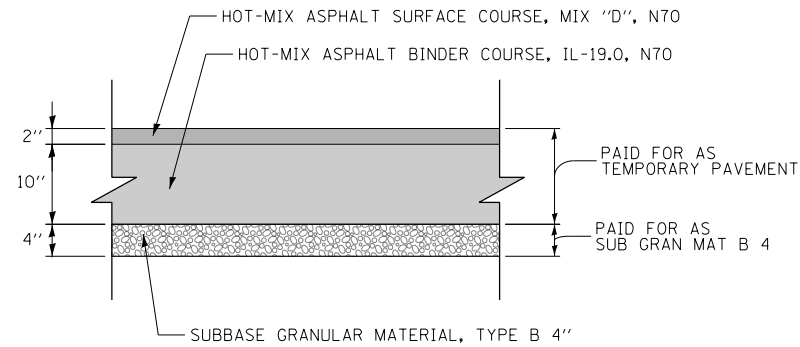
TYPICAL SECTIONS

SCALE: NONE SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	26
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

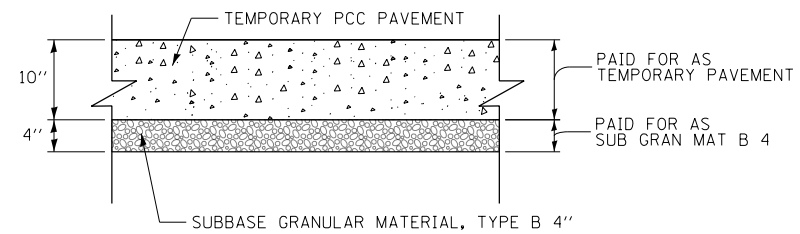
TEMPORARY PAVEMENT DETAILS:

DETAIL A: FULL DEPTH TEMPORARY HMA PAVEMENT



**TEMPORARY HMA PAVEMENT FOR
TEMPORARY WB I-290/RAMP NW/RAMP SW**

DETAIL B: TEMPORARY PCC PAVEMENT



**TEMPORARY PCC PAVEMENT FOR
TEMPORARY WB I-290/RAMP NW/RAMP SW**

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 (%) @NDES	OMP
TEMPORARY PAVEMENT (IF HMA OPTION IS SELECTED BY CONTRACTOR)		
WB I-290/ RAMP NW/ RAMP SW		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, (IL-9.5 MM): 2"	4% @ 70 GYR	QC/OA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70: 10" (IN 4 LIFTS)	4% @ 70 GYR	QC/OA
WB I-290		
STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" (HMA BINDER IL-19 MM)	3% @ 50 GYR	QCP
WB I-290 RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80	3.5% @ 80 GYR	QC/OA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80	3.5% @ 80 GYR	QC/OA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QCP)		

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXTURES SHALL BE "SBS/SBR PG 76-22" AND 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 (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS - TEMPORARY PAVEMENT

SCALE: NONE SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X77	

REMOVAL SCHEDULE

SHEET	ROADWAY/STATION	PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	CONCRETE BARRIER REMOVAL	PAVED SHOULDER REMOVAL	GUARDRAIL REMOVAL	REMOVE TEMPORARY CONCRETE BARRIER
		SQ YD	SQ YD	FOOT	SQ YD	FOOT	FOOT
1	5250+40 TO 5237+25	5,621	1,991	1,059	1,185	-	50
2	5237+25 TO 5223+00	7,402	-	1,175	1,239	51	2,075
3	5223+00 TO 5218+33	1,899	-	688	1,159	-	-
4	1325+00 TO 1319+40	764	-	197	598	-	-
TOTALS		15,686	1,991	3,119	4,181	51	2,125

SAFETY SCHEDULE

SHEET	ROADWAY	CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT	CONCRETE BARRIER TRANSITION	CONCRETE BARRIER BASE	SHOULDER RUMBLE STRIPS, 16 INCH	BARRIER WALL REFLECTORS, TYPE C	TEMPORARY FENCE (SPECIAL)	CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)	CONCRETE BARRIER WALL (SPECIAL)	CONCRETE BARRIER TRANSITION (SPECIAL)	CTA FENCE	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)	TEMPORARY PAVEMENT MARKING - LINE 6"	PINNING TEMPORARY CONCRETE BARRIER
		FOOT	FOOT	FOOT	FOOT	EACH	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH
1	5250+40 TO 5237+25	40	26	26	-	84	1,140	939	-	-	1,066	-	-	-	-
2	5237+25 TO 5223+00	-	34	53	881	124	1,490	996	465	19	207	50	-	-	-
3	5223+00 TO 5218+33	-	28	28	830	64	129	746	-	-	-	-	-	-	-
4	1325+00 TO 1319+40	98	-	-	-	84	-	673	-	-	-	-	275	275	66
ROUNDED TOTALS		138	88	107	1,711	356	2,759	3,354	465	19	1,273	50	275	275	66

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 CHECKED - DBM
 DATE - 4/27/2016

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	28
CONTRACT NO. 60X77			ILLINOIS FED. AID PROJECT	

ROADWAY SCHEDULE

SHEET	ROADWAY	AGGREGATE SUBGRADE IMPROVEMENT	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	AGGREGATE SUBGRADE IMPROVEMENT 12"	SUBBASE GRANULAR MATERIAL, TYPE C 4"	SUBBASE GRANULAR MATERIAL, TYPE B 4"	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"	BITUMINOUS MATERIALS (TACK COAT)	BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, 12.5, N80	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	PORTLAND CEMENT CONCRETE PAVEMENT 10 1/2" (JOINTED)	PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"	PORTLAND CEMENT CONCRETE SHOULDERS 11"	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	PAVEMENT GROOVING	TEMPORARY PAVEMENT	BALLAST	DRILL AND GROUT #8 TIE BARS
		CU YD	SQ YD	SO YD	SO YD	SO YD	SO YD	POUND	POUND	TON	TON	SO YD	SO YD	SO YD	SO YD	SO YD	SO YD	SO YD	FOOT	SO YD	SO YD	CU YD
1	5250+40 TO 5237+25	655	-	6,882	625	40	5,619	3,406	-	219	219	-	-	5,470	7,640	-	765	-	5,471	-	99	528
2	5237+25 TO 5223+00		263	8,860	387	-	7,563	3,404	-	-	-	-	-	-	7,225	10,204	-	698	-	7,233	-	58
3	5223+00 TO 5218+33	621	1,365	2,751	353	-	1,865	839	-	-	-	80	2	1,699	3,739	1	453	-	1,691	-	-	-
4	1325+00 TO 1319+40		-	1,380	158	432	801	361	780	-	-	-	728	-	2,041	220	-	47.5	728	432	-	-
ALLOWANCE					95															87		100
TOTAL WITH ALLOWANCE			1,628	19,873		567														519		1,093

ROUNDED TOTALS	1,276	1,628	19,873	1,523	567	15,848	8,010	780	219	219	80	730	14,394	23,624	221	1,916	47.5	15,123	519	157	1,093
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NOTE:

- ① ADDED FOR ALLOWANCE FOR FIELD ADJUSTMENT.
- ② SEE GENERAL NOTE 28.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	29
CONTRACT NO. 60X77			ILLINOIS FED. AID PROJECT	

EXISTING DRAINAGE STRUCTURE SCHEDULE (IDOT)

STATION	OFFSET	CATCH BASINS TO BE ADJUSTED	CATCH BASINS TO BE RECONSTRUCTED	MANHOLES TO BE ADJUSTED	MANHOLES TO BE RECONSTRUCTED	REMOVING MANHOLES	REMOVING CATCH BASINS	REMOVING INLETS	CATCH BASINS TO BE RECONSTRUCTED (SPECIAL)	FILLING MANHOLES, SPECIAL	FILLING CATCH BASINS, SPECIAL	COMMENTS
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
WB I-290 MAINLINE AND WB CONGRESS PARKWAY												
5249+64	34.2' LT	1										EX RIM EL = 575.63 ± PR RIM EL = 575.68
5249+60	30.1' LT			1								EX RIM EL = 575.84 ± PR RIM EL = 575.81
5248+83	32.3' LT	1										EX RIM EL = 575.23 ± PR RIM EL = 575.25
5248+83	33.1' RT	1										EX RIM EL = 576.33 ± PR RIM EL = 576.33
5247+61	27.6' LT						1					
5247+12	29.0' LT						1					
5246+97	28.7' LT				1							EX RIM EL = 574.87 ± PR RIM EL = 574.85
5246+58	33.5' LT						1					
5245+79	32.6' LT					1						
5245+74	30.7' LT					1						
5245+72	37.5' LT						1					
5244+69	36.9' LT					1						
5244+64	42.9' LT						1					
5242+55	8.7' RT					1						
5241+29	4.3' RT					1						
5236+90	38.9' LT						1					
5236+84	32.6' LT					1						
5236+78	34.8' LT					1						
5235+73	38.8' LT						1					
5235+34	31.0' LT					1						
5235+33	39.0' LT					1						
5235+29	35.9' LT					1						
5235+16	36.4' LT						1					
5234+75	39.8' LT						1					
5233+71	34.6' LT					1						
5233+70	37.1' LT						1					
5232+71	37.6' LT					1						
5232+64	35.8' LT					1						
5232+62	38.6' LT						1					
5230+16	37.6' LT						1					
5230+10	36.8' LT					1						
5229+73	12.5' RT			1								EX RIM EL = 578.38 ± PR RIM EL = 578.87
5229+06	37.8' LT						1					
5229+02	36.3' LT					1						
5228+95	37.6' LT					1						
5228+68	37.6' LT						1					
5228+30	37.8' LT				1							EX RIM EL = 577.22 ± PR RIM EL = 577.61
5228+22	37.2' LT						1					
5228+27	12.3' RT			1								EX RIM EL = 577.43 ± PR RIM EL = 578.19
5227+11	16.7' RT		1									EX RIM EL = 576.98 ± PR RIM EL = 577.51
5226+89	36.4' LT										1	
5226+80	35.9' LT									1		
SUBTOTAL		3	1	3	2	16	15	0	0	1	1	

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D160X77-sht-Drain-Schedule-01
 USER NAME = chiue
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 4/28/2016

DESIGNED - AFC
 DRAWN - AFC
 CHECKED - EEE
 DATE - 4/27/2016

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

DRAINAGE AND UTILITY SCHEDULES

SCALE: NTS SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	32
CONTRACT NO. 60X77			ILLINOIS FED. AID PROJECT	

EXISTING DRAINAGE STRUCTURE SCHEDULE (IDOT)

STATION	OFFSET	CATCH BASINS TO BE ADJUSTED	CATCH BASINS TO BE RECONSTRUCTED	MANHOLES TO BE ADJUSTED	MANHOLES TO BE RECONSTRUCTED	REMOVING MANHOLES	REMOVING CATCH BASINS	REMOVING INLETS	CATCH BASINS TO BE RECONSTRUCTED (SPECIAL)	FILLING MANHOLES, SPECIAL	FILLING CATCH BASINS, SPECIAL	COMMENTS
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
WB I-290 MAINLINE AND WB CONGRESS PARKWAY												
5225+96	17.6' RT		1									EX RIM EL = 576.58 ± PR RIM EL = 576.88
5225+56	35.6' LT									1		
5225+56	18.6' RT				1							EX RIM EL = 576.44 ± PR RIM EL = 576.66
5225+51	36.2' LT									1		
5224+33	25.9' LT										1	
5224+30	33.2' RT		1									EX RIM EL = 575.93 ± PR RIM EL = 575.57
5224+00	32.3' RT		1									EX RIM EL = 575.68 ± PR RIM EL = 575.31
5224+02	66.3' RT	1										EX RIM EL = 583.19 ± PR RIM EL = 583.19 ±
5223+52	23.4' LT						1					
5222+84	25.4' LT								1			EX RIM EL = 575.33 ± PR RIM EL = 574.95
5222+80	24.1' LT				1							EX RIM EL = 575.28 ± PR RIM EL = 574.95
5222+80	27.3' LT						1					
5222+76	20.3' RT					1						
5220+95	32.1' RT						1					
5220+89	31.4' RT						1					
5220+83	28.8' RT					1						
5220+83	24.7' LT										1	
5220+84	51.8' RT					1						
5219+96	30.1' RT						1					
5219+49	26.0' LT						1					
5219+50	27.7' RT					1						
5219+65	17.9' RT				1							EX RIM EL = 584.39 ± PR RIM EL = 584.48
SUBTOTAL		1	3	0	3	4	6	0	1	2	2	
RAMP SW												
1320+61	19.1' RT						1					
1320+60	9.3' RT					1						
1321+39	28.5' RT							1				
1321+39	20.9' RT	1										EX RIM EL = 574.03 ± PR RIM EL = 574.03 ±
1321+35	13.3' RT					1						
1321+16	40.3' LT						1					
1322+51	17.5' LT							1				
1322+50	34.6' LT		1									EX RIM EL = 574.59 ± PR RIM EL = 574.59
1322+88	13.6' LT					1						
1323+25	20.2' RT	1										EX RIM EL = 575.87 ± PR RIM EL = 575.87
1323+20	8.5' RT						1					
1323+30	39.6' LT						1					
1323+41	4.2' RT					1						
1323+81	21.0' LT					1						
1324+01	23.2' LT						1					
SUBTOTAL		2	1	0	0	5	5	2	0	0	0	
TOTALS		6	5	3	5	25	26	2	1	3	3	

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D160X77-sht-Drain-Schedule-02
 USER NAME = chiue
 PLOT SCALE = 100.0000' / 1"
 PLOT DATE = 4/28/2016

DESIGNED - AFC
 DRAWN - AFC
 CHECKED - EEY
 DATE - 4/27/2016

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

DRAINAGE AND UTILITY SCHEDULES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	33
CONTRACT NO. 60X77			ILLINOIS FED. AID PROJECT	

EXISTING PIPE SCHEDULE (IDOT)

STATION	TRENCH BACKFILL	STORM SEWER REMOVAL					VIDEO TAPING OF MAIN DRAIN	REMOVE ABANDONED GAS MAIN	TELEVISION INSPECTION OF SEWER	PLUG EXISTING STORM SEWERS	ABANDON AND FILL EXISTING STORM SEWER	STORM SEWERS TO BE CLEANED				
		10"	12"	15"	18"	21"						12"	18"	24"	27"	33"
		FOOT										FOOT	FOOT	FOOT	CU YD	FOOT
STA 5250+40.00 TO STA 5237+25.00	100.8	14	129	-	141	-	-	-	334	0.7	379	13	-	167	-	-
STA 5237+25.00 TO STA 5223+50.00	128.2	94	336	-	-	-	6108	16	378	1.0	901	74	93	-	-	-
STA 5223+50.00 TO STA 5218+33.89	109.2	119	-	96	-	161	-	-	216	0.6	318	-	-	-	92	38
STA 1324+40.00 TO STA 1319+39.26 (RAMP SW)	187.4	22	380	-	-	-	-	-	-	-	348	-	-	-	-	-
SUBTOTAL	525.6	249	845	96	141	161	6108	16	928	2.3	1946	87	93	167	92	38
ALLOWANCE	250.0	50	500	100	30	35	-	-	120	-	-	50	-	-	-	-
ROUNDED TOTAL	775.6	299	1345	196	171	196	6108	16	1048	2.3	1946	137	93	167	92	38

NOTES:

- ADDITIONAL TRENCH BACKFILL QUANTITY PROVIDED ON THE DRAINAGE AND UTILITY SCHEDULE FOR THE PROPOSED STORM SEWER, CTA DRAINAGE WORK AND TEMPORARY DRAINAGE FOR STAGING SHOWN ON THE DRAINAGE DETAIL SHEET NO. 276.
- ALLOWANCE IS ADDED FOR SOME OF THE DRAINAGE ITEMS TO ALLOW FOR FIELD ADJUSTMENT. USE OF THESE QUANTITIES IS AT THE DISCRETION OF THE ENGINEER.

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D160X77-sht-Drain-Schedule-03.dgn	DESIGNED - AFC	REVISED -
USER NAME = dshevoz	DRAWN - AFC	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - EEY	REVISED -
PLOT DATE = 3/15/2016	DATE - 3/14/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY SCHEDULES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	34
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X77	

PROPOSED DRAINAGE STRUCTURE SCHEDULE (IDOT)

Table with columns: STRUCTURE, LOCATION, OFFSET, OFFSET LOCATION (EDGE OF SHOULDER OR CENTER OF STRUCTURE), RIM (ELEV), N. INVERT (ELEV), W. INVERT (ELEV), E. INVERT (ELEV), S. INVERT (ELEV), NE. INVERT (ELEV), NW. INVERT (ELEV), SE. INVERT (ELEV), SW. INVERT (ELEV), CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID, CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE, CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID, CATCH BASINS, TYPE C, TYPE 20 FRAME AND GRATE, MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID, MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID, MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID, INLETS, TYPE A, TYPE 20 FRAME AND GRATE.

NOTES:

- 1. WHERE THE STRUCTURE IS DENOTED WITH AN ASTERISK (*), THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF EXISTING PIPE AND ITS INVERT ELEVATION PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
2. WHERE THE PROPOSED DRAINAGE STRUCTURE IS DENOTED WITH DOUBLE ASTERISKS (**), THESE STRUCTURES ARE IN CLOSE PROXIMITY TO THE EXISTING RETAINING WALL 8 (SN 016-2027). FIELD ADJUSTMENTS MAY BE NECESSARY FOR THE WORK TO AVOID ANY IMPACTS TO THE EXISTING RETAINING WALL. THE CONTRACTOR SHALL USE ALL PRECAUTION TO INSTALL THESE STRUCTURES AND NOT IMPACT THE EXISTING RETAINING WALL. ANY DAMAGE TO THE EXISTING WALL SHALL BE REPAIR OR REPLACE AT THE CONTRACTOR'S EXPENSE.
3. WHERE THE STRUCTURE IS ABBREVIATED FST, THE PROPOSED STRUCTURE SHALL BE A FLAT SLAB TOP.

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Table with 4 columns: DESIGNED - AFC, DRAWN - AFC, CHECKED - EBY, DATE - 4/27/2016; REVISED - , REVISED - , REVISED - , REVISED - .

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY SCHEDULES

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

Table with 5 columns: F.A.I. REV., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Values: 90/94/290, 2014-003R&B, COOK, 431, 35. Includes CONTRACT NO. 60X77 and ILLINOIS FED. AID PROJECT.

PROPOSED DRAINAGE STRUCTURE SCHEDULE (IDOT)

STRUCTURE	LOCATION	OFFSET	OFFSET LOCATION (EDGE OF SHOULDER OR CENTER OF STRUCTURE)	RIM (ELEV)	N. INVERT (ELEV)	W. INVERT (ELEV)	E. INVERT (ELEV)	S. INVERT (ELEV)	NE. INVERT (ELEV)	NW. INVERT (ELEV)	SE. INVERT (ELEV)	SW. INVERT (ELEV)	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	CATCH BASINS, TYPE C, TYPE 20 FRAME AND GRATE	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	INLETS, TYPE A, TYPE 20 FRAME AND GRATE			
RAMP SW																								
S-40 (FST)	1324+30.00	17.0' LT	COS	575.62		570.76				570.18		570.18							1					
S-41 (FST)	1324+40.00	6.0' RT	EOS	574.53							570.28			1										
S-43 (FST)	1325+35.00	16.1' LT	COS	576.37	571.35		571.10	571.55 ± (EX) *										1						
S-48 (FST)	1323+07.98	1.0' RT	COS	574.28					568.78	568.78	568.78							1						
S-49 (FST)	1323+08.02	11.5' RT	EOS	573.71						570.04	568.81			1										
S-50	1323+58.00	8.8' RT	EOS	573.93							569.47										1			
S-52 (FST)	1323+08.02	20.0' LT	EOS	575.09			570.62				568.73	568.73		1										
S-52A (FST)	1323+10.74	37.3' LT	COS	575.43							568.67	568.67						1						
S-53	1323+58.00	20.0' LT	EOS	575.17							569.36	569.36						1						
S-54	1322+58.00	20.0' LT	EOS	575.17								570.84									1			
S-55 (FST)	1321+45.00	3.0' RT	COS	574.78					569.29			569.29						1						
S-56 (FST)	1321+35.00	12.0' RT	EOS	574.34								569.33		1										
SUBTOTALS													0	0	4	0	1	4	1	0	2			
ALLOWANCE													5	-	-	-	-	-	-	-	-	-		
TOTALS													6	3	20	1	3	6	3	1	8			

NOTES:

- WHERE THE STRUCTURE IS DENOTED WITH AN ASTERISK (*), THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF EXISTING PIPE AND ITS INVERT ELEVATION PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- WHERE THE STRUCTURE IS ABBREVIATED FST, THE PROPOSED STRUCTURE SHALL BE A FLAT SLAB TOP.
- ALLOWANCE IS ADDED FOR SOME OF THE DRAINAGE ITEMS TO ALLOW FOR FIELD ADJUSTMENT. USE OF THESE QUANTITIES IS AT THE DISCRETION OF THE ENGINEER.

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D160X77-sht-Drain-Schedule-05
 USER NAME = chitua
 PLOT SCALE = 100.0000' / 1" =
 PLOT DATE = 4/28/2016

DESIGNED - AFC
 DRAWN - AFC
 CHECKED - EY
 DATE - 4/27/2016

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

DRAINAGE AND UTILITY SCHEDULES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	36
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

PROPOSED DRAINAGE PIPE SCHEDULE (IDOT)

PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	UPSTREAM INVERT ELEVATION	DOWNSTREAM INVERT ELEVATION	PIPE SLOPE (%)	STORM SEWERS, CLASS A, TYPE 1			STORM SEWERS, CLASS A, TYPE 2				STORM SEWER (WATER MAIN REQUIREMENTS)	TRENCH BACKFILL
						12"	15"	18"	12"	15"	18"	21"		
						FOOT			FOOT					
WB I-290 AND WB CONGRESS PARKWAY														
P-01	S-01 (FST)	EX STUB (BY OTHERS)	568.56	568.44 (EX)	0.32%					37				24.1
P-02	S-02 (FST)	S-01 (FST)	569.78	569.64	0.44%				32					11.0
P-03	S-03	EX STUB (BY OTHERS)	569.09	568.95 (EX)	0.32%					44				28.9
P-04	S-04 (FST)	S-03	569.52	569.32	0.45%				44					20.5
P-05	S-05	S-04 (FST)	570.66	570.52	0.50%	28								6.1
P-06	S-06 (FST)	EX STUB (BY OTHERS)	570.29	570.04 (EX)	0.50%					50				30.4
P-07	S-07 (FST)	S-06 (FST)	572.06	571.48	0.58%				100					31.8
P-08	S-08	S-07 (FST)	573.29	572.06	1.05%				117					37.0
P-10	S-10 (FST)	EX STUB (BY OTHERS)	570.84	570.68 (EX)	0.33%					48				36.3
P-11	S-11 (FST)	S-10 (FST)	574.78	573.92	0.87%				99					29.3
P-12	S-12 (FST)	EX STUB (BY OTHERS)	569.46	569.31 (EX)	0.33%					46				36.3
P-13	S-13 (FST)	S-12 (FST)	572.75	572.65	0.48%				21					6.2
P-14	S-14	EX STUB (BY OTHERS)	571.09	570.94 (EX)	0.33%					45				26.5
P-14A	S-14A (FST)	EX STUB (BY OTHERS)	570.93	570.75 (EX)	0.33%					54				35.7
P-15	S-15 (FST)	S-14A (FST)	573.06	572.85	0.50%				42					13.6
P-16	S-16 (FST)	EX MH	572.94	572.70	4.00%				6					1.8
P-16A	S-16A (FST)	EX MH (BY OTHERS)	573.23	573.18	0.45%				11					3.6
** P-18	S-18 (FST)	S-27 (FST)	570.08	569.99	0.21%							42		14.2
** P-19	S-19	S-18 (FST)	571.87	571.67	4.00%	5								0.5
** P-21	S-21 (FST)	S-18 (FST)	571.19	570.93	0.26%			99						23.0
** P-22	S-22	S-21 (FST)	572.33	572.13	4.00%	5								0.6
** P-23	S-23 (FST)	S-21 (FST)	571.50	571.19	0.26%							120		34.1
** P-24	S-24	S-23 (FST)	572.99	572.87	2.40%	5								0.5
P-25	EX MH (BY OTHERS)	S-23 (FST)	572.48	572.04	1.00%		44							9.8
** P-26	S-26	S-26A (FST)	573.48	573.35	2.17%	6								0.6
** P-26A	S-26A (FST)	S-23 (FST)	571.98	571.50	0.50%				96					32.5
** P-27	S-27 (FST)	EX CB	568.25	568.23	0.40%							5		3.3
** P-28	S-28	S-31 (FST)	571.58	571.24	0.44%	78								10.3
** P-30	S-30 (FST)	S-27 (FST)	568.51	568.25	0.26%						100			69.0
** P-31	S-31 (FST)	S-30 (FST)	571.24	571.12	2.40%		5							1.2
P-34	S-34 (FST)	S-34A (FST)	571.27	571.21	0.50%				12					3.1
P-34A	S-34A (FST)	S-30 (FST)	568.59	568.51	0.29%						28			20.5
P-35	S-35 (FST)	S-34A (FST)	569.26	569.05	0.44%				48					26.9
P-36	S-36	EX MH (BY OTHERS)	575.00	574.93	0.54%				13					16.9
P-37	S-37	S-36	579.35	579.01	0.71%				48					21.1
SUBTOTALS						127	49	99	689	324	128	47	120	667.2

NOTES:

- ADDITIONAL TRENCH BACKFILL QUANTITY PROVIDED ON THE DRAINAGE AND UTILITY SCHEDULE FOR THE EXISTING STORM SEWER REMOVAL. CTA DRAINAGE WORK AND TEMPORARY DRAINAGE FOR STAGING SHOWN ON THE DRAINAGE DETAIL SHEET NO. 276.
- WHERE THE PROPOSED PIPE IS DENOTED WITH DOUBLE ASTERISKS (**), THESE PIPES ARE IN CLOSE PROXIMITY TO THE EXISTING RETAINING WALL 8 (SN 016-2027). THE CONTRACTOR SHALL USE ALL PRECAUTION TO INSTALL THESE PIPES AND NOT IMPACT THE EXISTING RETAINING WALL. ANY DAMAGE TO THE EXISTING RETAINING WALL SHALL BE REPAIR OR REPLACE AT THE CONTRACTOR'S EXPENSE.

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D160X77-sht-Drain-Schedule-06
 USER NAME = chiuw
 PLOT SCALE = 100.0000' / 1" =
 PLOT DATE = 4/28/2016

DESIGNED - AFC
 DRAWN - AFC
 CHECKED - EEY
 DATE - 4/27/2016

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY SCHEDULES

SCALE: NTS SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	37
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

PROPOSED DRAINAGE PIPE SCHEDULE (IDOT)

PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	UPSTREAM INVERT ELEVATION	DOWNSTREAM INVERT ELEVATION	PIPE SLOPE (%)	STORM SEWERS, CLASS A, TYPE 1				STORM SEWERS, CLASS A, TYPE 2				STORM SEWER (WATER MAIN REQUIREMENTS)	TRENCH BACKFILL
						12"	15"	18"		12"	15"	18"	21"		
						FOOT				FOOT					
RAMP SW															
P-40	S-40 (FST)	S-18 (FST)	570.18	570.08	0.26%							39			14.7
P-41	S-41 (FST)	S-40 (FST)	570.28	570.18	0.45%	22									7.0
P-42	EX CB (BY OTHERS)	S-43 (FST)	571.41	571.35	0.37%		16								4.0
P-43	S-43 (FST)	S-40 (FST)	571.10	570.76	0.33%					104					35.8
P-48	S-48 (FST)	S-52 (FST)	568.78	568.73	0.33%					15					7.4
P-49	S-49 (FST)	S-48 (FST)	568.81	568.78	0.60%				5						1.9
P-49A	EX CB (BY OTHERS)	S-49 (FST)	570.49	570.04	2.50%	18									4.8
P-50	S-50	S-53	569.47	569.36	0.44%				25						9.1
P-52	S-52 (FST)	S-52A (FST)	568.73	568.67	0.35%						17				17.1
P-52A	S-52A (FST)	S-34A (FST)	568.67	568.59	0.29%						28				25.1
P-53	S-53	S-35 (FST)	569.36	569.26	0.45%				22						10.5
P-54	S-54	S-52 (FST)	570.84	570.62	0.45%				49						12.1
P-55	S-55 (FST)	S-48 (FST)	569.29	568.78	0.32%					159					94.7
P-56	S-56 (FST)	S-55 (FST)	569.33	569.29	0.50%				8						4.4
P-57	EX CB (BY OTHERS)	S-56 (FST)	569.90 (EX)	569.85	0.62%	8									4.7
SUBTOTALS						48	16	0	109	278	84	0	0	253.3	
TOTAL						175	65	99	798	602	212	47	120	920.5	
ALLOWANCE						100	-	-	250	-	-	50	-	100.0	
ROUNDED TOTAL						275	65	99	1048	602	212	97	120	1020.6	

NOTES:

- ADDITIONAL TRENCH BACKFILL QUANTITY PROVIDED ON THE DRAINAGE AND UTILITY SCHEDULE FOR THE EXISTING STORM SEWER REMOVAL, CTA DRAINAGE WORK AND TEMPORARY DRAINAGE FOR STAGING SHOWN ON DRAINAGE DETAIL SHEET NO. 276.
- ALLOWANCE IS ADDED FOR SOME OF THE DRAINAGE ITEMS TO ALLOW FOR FIELD ADJUSTMENT. USE OF THESE QUANTITIES IS AT THE DISCRETION OF THE ENGINEER.

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DI60X77-sht-Drain-Schedule-07
 USER NAME = chitua
 PLOT SCALE = 100.0000' / 1in.
 PLOT DATE = 4/28/2016

DESIGNED - AFC
 DRAWN - AFC
 CHECKED - EEY
 DATE - 4/27/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY SCHEDULES

SCALE: NTS SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	38
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

EXISTING DRAINAGE STRUCTURE SCHEDULE (CTA)

STATION	OFFSET	CATCH BASINS TO BE CLEANED	FILLING CATCH BASINS, SPECIAL (CTA)
		EACH	EACH
WB I-290 MAINLINE AND WB CONGRESS PARKWAY			
5246+97	40.7' LT	1	
5244+66	54.9' LT		1
5233+77	45.9' LT	1	
5233+71	43.8' LT	1	
5228+22	47.2' LT	1	
5227+10	41.5' LT	1	
5225+60	42.2' LT	1	
5224+09	31.7' LT	1	
5222+59	32.5' LT	1	
SUBTOTAL		8	1
ALLOWANCE		3	3
TOTALS		11	4

EXISTING PIPE SCHEDULE (CTA)

STATION	ABANDON AND FILL EXISTING STORM SEWER	STORM SEWERS TO BE CLEANED	
		6"	12"
	FOOT	FOOT	FOOT
STA 5250+40.00 TO STA 5240+00.00	10	-	13
STA 5240+00.00 TO STA 5224+00.00	-	116	20
STA 5224+00.00 TO STA 5218+33.89	-	38	-
SUBTOTAL	10	154	33
ALLOWANCE	50	50	50
ROUNDED TOTAL	60	204	83

- NOTES:**
- ALLOWANCE IS ADDED FOR SOME OF THE DRAINAGE ITEMS TO ALLOW FOR FIELD ADJUSTMENT. USE OF THESE QUANTITIES IS AT THE DISCRETION OF THE ENGINEER.
 - ALL PROPOSED RIM ELEVATIONS ARE APPROXIMATED TO THE TOP OF BALLAST SCREEN. SEE DRAINAGE DETAILS.

PROPOSED DRAINAGE STRUCTURE SCHEDULE (CTA)

STRUCTURE	LOCATION	OFFSET	OFFSET LOCATION (EDGE OF SHOULDER OR CENTER OF STRUCTURE)	RIM (ELEV)	N. INVERT (ELEV)	W. INVERT (ELEV)	E. INVERT (ELEV)	S. INVERT (ELEV)	NE. INVERT (ELEV)	NW. INVERT (ELEV)	SE. INVERT (ELEV)	SW. INVERT (ELEV)	CATCH BASINS, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE
CTA BLUE LINE													
CS-01	5246+13.06	43.4' LT	COS	576.23 ±	569.57 ±								1
CS-02	5244+75.11	50.3' LT	COS	577.75 ±					571.08 ±				1
CS-03	5236+45.00	47.1' LT	COS	578.70 ±	572.61 ±								1
CS-04	5229+05.00	45.1' LT	COS	577.90 ±	571.78 ±								1
TOTALS													4

PROPOSED PIPE SCHEDULE (CTA)

PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	UPSTREAM INVERT ELEVATION	DOWNSTREAM INVERT ELEVATION	PIPE SLOPE (%)	STORM SEWERS, CLASS A, TYPE 2	TRENCH BACKFILL
						12"	
						FOOT	CU YD
CTA BLUE LINE							
CP-01	CS-01	S-03	569.57 ±	569.51 ±	1.00%	6	3.2
CP-02	CS-02	S-06	571.08 ±	571.00 ±	1.00%	8	4.0
CP-03	CS-03	S-10	572.61 ±	572.55 ±	1.00%	6	3.1
CP-04	CS-04	S-14A	571.78 ±	571.72 ±	1.00%	6	3.1
TOTAL						26	13.4
ROUNDED TOTAL						26	13.4

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 PLOT DATE = 3/15/2016

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 DRAWN - AFC
 CHECKED - EY
 DATE - 3/14/2016

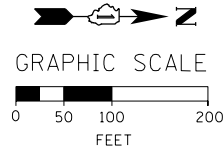
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY SCHEDULES

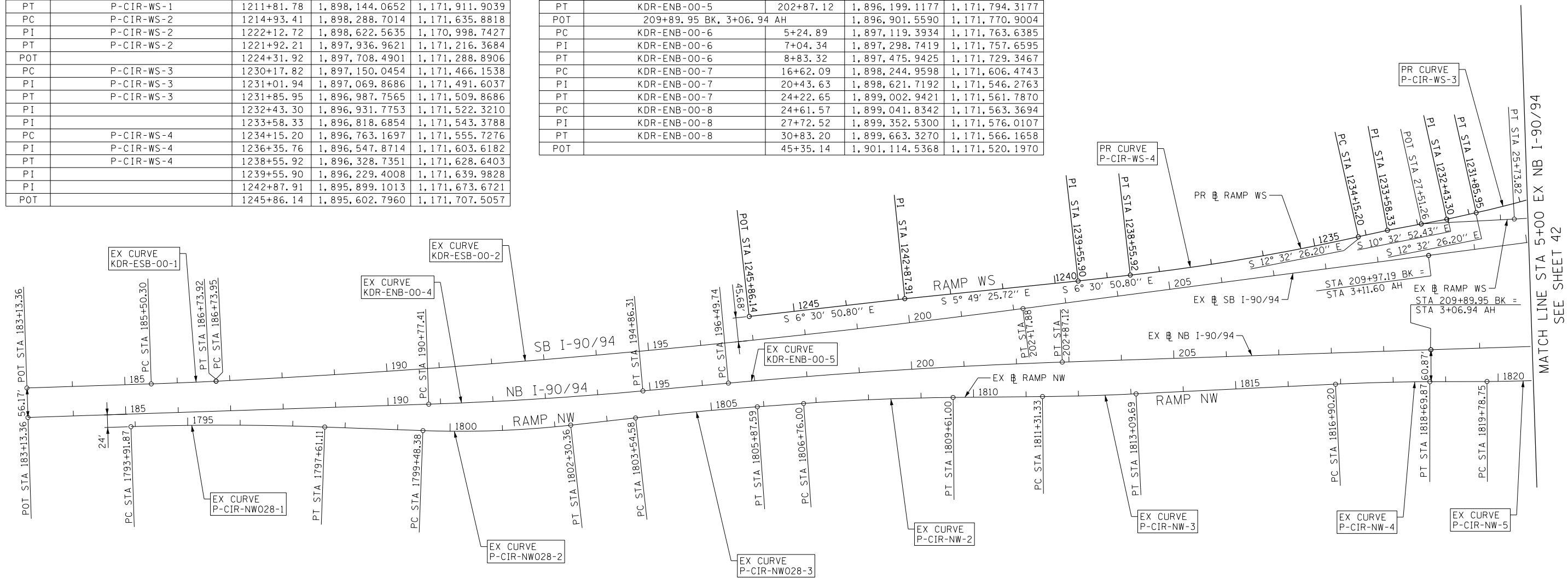
SCALE: NTS SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	39
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				



PR RAMP WS				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		1199+31.39	1,898,090.9472	1,173,149.4167
PI		1202+42.54	1,898,083.0859	1,172,838.3707
PI		1203+54.39	1,898,072.0202	1,172,727.0678
PI		1206+74.04	1,898,063.9440	1,172,407.5197
PC	P-CIR-WS-1	1208+86.80	1,898,070.0806	1,172,194.8475
PI	P-CIR-WS-1	1210+36.88	1,898,074.4092	1,172,044.8348
PT	P-CIR-WS-1	1211+81.78	1,898,144.0652	1,171,911.9039
PC	P-CIR-WS-2	1214+93.41	1,898,288.7014	1,171,635.8818
PI	P-CIR-WS-2	1222+12.72	1,898,622.5635	1,170,998.7427
PT	P-CIR-WS-2	1221+92.21	1,897,936.9621	1,171,216.3684
POT		1224+31.92	1,897,708.4901	1,171,288.8906
PC	P-CIR-WS-3	1230+17.82	1,897,150.0454	1,171,466.1538
PI	P-CIR-WS-3	1231+01.94	1,897,069.8686	1,171,491.6037
PT	P-CIR-WS-3	1231+85.95	1,896,987.7565	1,171,509.8686
PI		1232+43.30	1,896,931.7753	1,171,522.3210
PI		1233+58.33	1,896,818.6854	1,171,543.3788
PC	P-CIR-WS-4	1234+15.20	1,896,763.1697	1,171,555.7276
PI	P-CIR-WS-4	1236+35.76	1,896,547.8714	1,171,603.6182
PT	P-CIR-WS-4	1238+55.92	1,896,328.7351	1,171,628.6403
PI		1239+55.90	1,896,229.4008	1,171,639.9828
PI		1242+87.91	1,895,899.1013	1,171,673.6721
POT		1245+86.14	1,895,602.7960	1,171,707.5057

EX NB I-90/94 (KENNEDY EXPY)				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
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



EX SB I-90/94 (KENNEDY EXPY)				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		183+13.36	1,894,228.6347	1,171,899.8969
PC	KDR-ESB-00-1	185+50.30	1,894,463.5855	1,171,835.9008
PI	KDR-ESB-00-1	186+12.11	1,894,525.3637	1,171,833.8503
PT	KDR-ESB-00-1	186+73.92	1,894,587.1007	1,171,830.8004
PC	KDR-ESB-00-2	186+73.95	1,894,587.1274	1,171,830.7991
PI	KDR-ESB-00-2	194+46.34	1,895,358.5739	1,171,792.6885
PT	KDR-ESB-00-2	202+17.88	1,896,124.4241	1,171,692.4111
POT	209+97.19 BK, 3+11.60 AH		1,896,897.1317	1,171,591.2358
TS	KDR-ESB-00-3B	5+79.29	1,897,162.5525	1,171,556.4826
PIS	KDR-ESB-00-3B	6+79.30	1,897,261.7152	1,171,543.4986
SC	KDR-ESB-00-3	7+29.29	1,897,311.5276	1,171,539.0772
PI	KDR-ESB-00-3	8+34.32	1,897,416.1453	1,171,529.7912
CS	KDR-ESB-00-3	9+39.11	1,897,521.1330	1,171,532.7356
PIS	KDR-ESB-00-3A	9+89.11	1,897,571.1183	1,171,534.1374
ST	KDR-ESB-00-3A	10+89.10	1,897,670.8779	1,171,541.1020

EX SB I-90/94 (KENNEDY EXPY)				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
TS	KDR-ESB-00-4B	10+95.19	1,897,676.9607	1,171,541.5267
PIS	KDR-ESB-00-4B	12+28.55	1,897,809.9894	1,171,550.8139
SC	KDR-ESB-00-4	12+95.19	1,897,876.6634	1,171,551.9707
PI	KDR-ESB-00-4	13+66.51	1,897,947.9712	1,171,553.2078
CS	KDR-ESB-00-4	14+37.76	1,898,019.1728	1,171,549.1239
PIS	KDR-ESB-00-4A	15+04.45	1,898,085.7441	1,171,545.3056
ST	KDR-ESB-00-4A	16+37.75	1,898,218.2892	1,171,530.7143
PC	KDR-ESB-00-5	16+76.77	1,898,257.0735	1,171,526.4446
PI	KDR-ESB-00-5	19+84.85	1,898,563.3008	1,171,492.7332
PT	KDR-ESB-00-5	22+92.78	1,898,870.8971	1,171,475.5242
PC	KDR-ESB-00-6	25+30.01	1,899,107.7534	1,171,462.2729
PI	KDR-ESB-00-6	28+07.67	1,899,384.9870	1,171,446.7626
PT	KDR-ESB-00-6	30+85.31	1,899,662.5150	1,171,437.9735
POT		45+34.00	1,901,110.4797	1,171,392.1175



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 PLOT SCALE = 200.0000' / in.
 PLOT DATE = 3/15/2016

DESIGNED - SDH
 DRAWN - ZND
 CHECKED - DBM
 DATE - 3/14/2016

REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

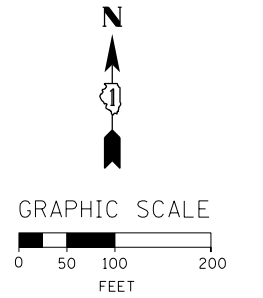
SCALE: 1" = 100' SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	41
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 22+50 EX NB I-90/94
SEE SHEET 44

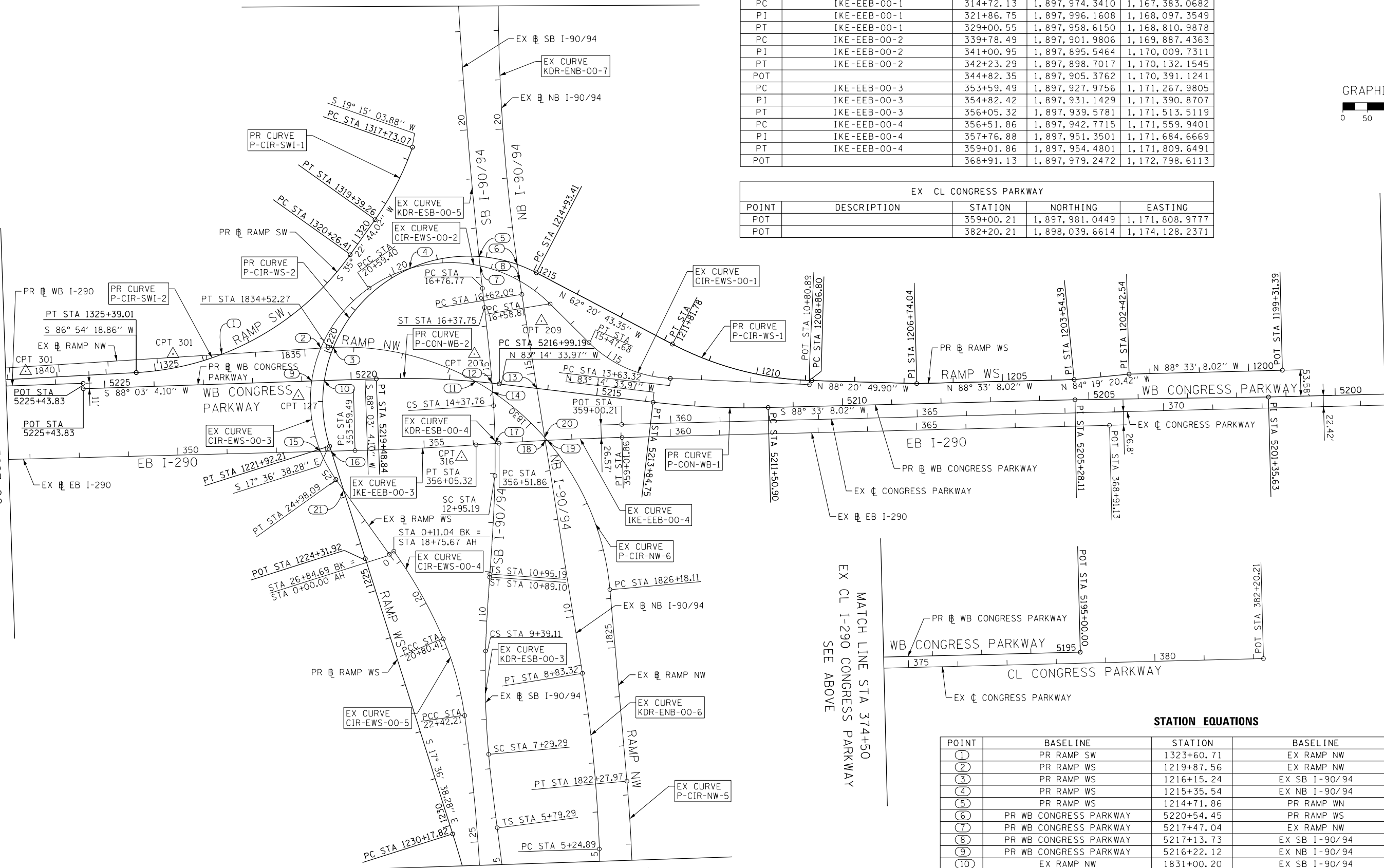
EX EB I-290 (EISENHOWER EXPY)				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		293+88.84	1,897,910.7311	1,165,300.7513
PC	IKE-EEB-00-1	314+72.13	1,897,974.3410	1,167,383.0682
PI	IKE-EEB-00-1	321+86.75	1,897,996.1608	1,168,097.3549
PT	IKE-EEB-00-1	329+00.55	1,897,958.6150	1,168,810.9878
PC	IKE-EEB-00-2	339+78.49	1,897,901.9806	1,169,887.4363
PI	IKE-EEB-00-2	341+00.95	1,897,895.5464	1,170,009.7311
PT	IKE-EEB-00-2	342+23.29	1,897,898.7017	1,170,132.1545
POT		344+82.35	1,897,905.3762	1,170,391.1241
PC	IKE-EEB-00-3	353+59.49	1,897,927.9756	1,171,267.9805
PI	IKE-EEB-00-3	354+82.42	1,897,931.1429	1,171,390.8707
PT	IKE-EEB-00-3	356+05.32	1,897,939.5781	1,171,513.5119
PC	IKE-EEB-00-4	356+51.86	1,897,942.7715	1,171,559.9401
PI	IKE-EEB-00-4	357+76.88	1,897,951.3501	1,171,684.6669
PT	IKE-EEB-00-4	359+01.86	1,897,954.4801	1,171,809.6491
POT		368+91.13	1,897,979.2472	1,172,798.6113

EX CL CONGRESS PARKWAY				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		359+00.21	1,897,981.0449	1,171,808.9777
POT		382+20.21	1,898,039.6614	1,174,128.2371



MATCH LINE STA 5227+00
PROPOSED WB CONGRESS PARKWAY
SEE SHEET 43

MATCH LINE STA 374+50
EX CL I-290 CONGRESS PARKWAY
SEE BELOW



MATCH LINE STA 5+00 EX NB I-90/94
SEE SHEET 41

MATCH LINE STA 374+50
EX CL I-290 CONGRESS PARKWAY
SEE ABOVE

STATION EQUATIONS

POINT	BASELINE	STATION	BASELINE	STATION
(1)	PR RAMP SW	1323+60.71	EX RAMP NW	1836+68.34
(2)	PR RAMP WS	1219+87.56	EX RAMP NW	1834+41.60
(3)	PR RAMP WS	1216+15.24	EX SB I-90/94	17+41.84
(4)	PR RAMP WS	1215+35.54	EX NB I-90/94	17+23.37
(5)	PR RAMP WS	1214+71.86	PR RAMP WN	1106+92.11
(6)	PR WB CONGRESS PARKWAY	5220+54.45	PR RAMP WS	1220+57.58
(7)	PR WB CONGRESS PARKWAY	5217+47.04	EX RAMP NW	1831+40.71
(8)	PR WB CONGRESS PARKWAY	5217+13.73	EX SB I-90/94	14+83.48
(9)	PR WB CONGRESS PARKWAY	5216+22.12	EX NB I-90/94	14+68.78
(10)	EX RAMP NW	1831+00.20	EX SB I-90/94	14+65.49
(11)	PR RAMP WS	1222+02.95	EX EB I-290	353+11.11
(12)	EX EB I-290	356+43.88	EX SB I-90/94	13+60.76
(13)	EX EB I-290	357+45.94	EX NB I-90/94	13+61.83
(14)	EX EB I-290	357+49.92	EX RAMP NW	1829+51.94

ALIGNMENT, TIES AND BENCHMARKS				F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: 1" = 100'	SHEET 2	OF 6 SHEETS	STA.	TO STA.	90/94/290	2014-003R&B	COOK	431 42
								CONTRACT NO. 60X77
								ILLINOIS FED. AID PROJECT

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PLOT DATE = 3/15/2016

DESIGNED - SDH
DRAWN - ZND
CHECKED - DBM
DATE - 3/14/2016

REVISED -
REVISED -
REVISED -
REVISED -

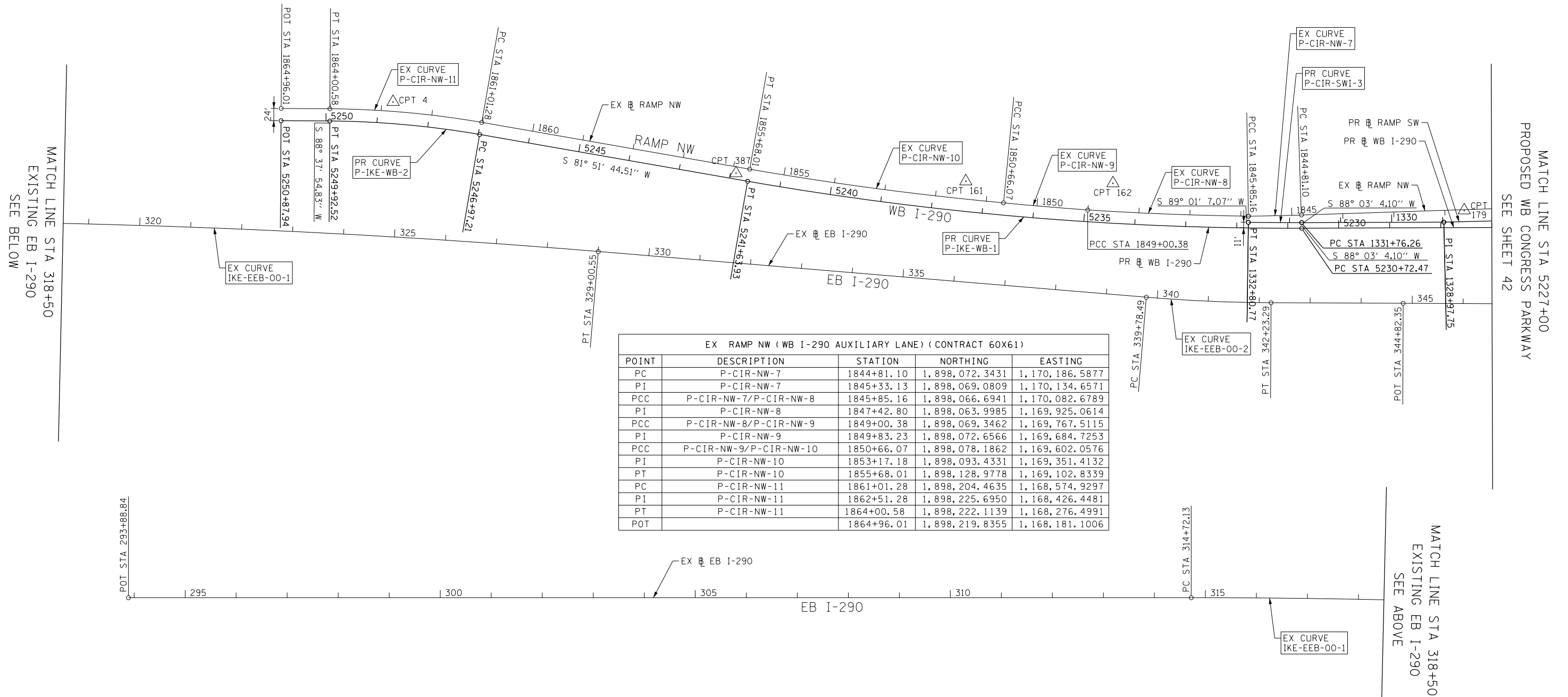
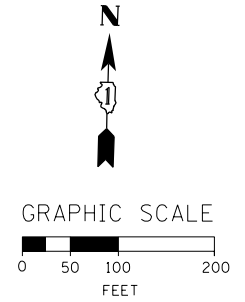
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

F.A.I. R.E. SECTION COUNTY TOTAL SHEETS SHEET NO.
90/94/290 2014-003R&B COOK 431 42
CONTRACT NO. 60X77
ILLINOIS FED. AID PROJECT

EX RAMP NW (BY OTHERS - CONTRACT 60W28)				
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

EX RAMP NW (BY OTHERS - CONTRACT 60W28)				
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
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



EX RAMP NW (WB I-290 AUXILIARY LANE) (CONTRACT 60X61)				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
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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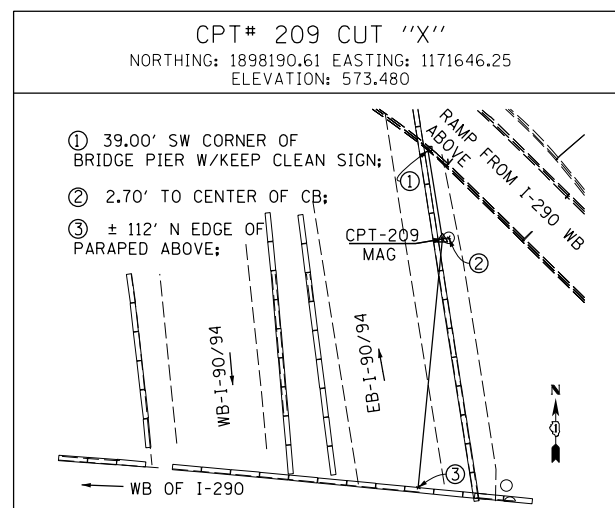
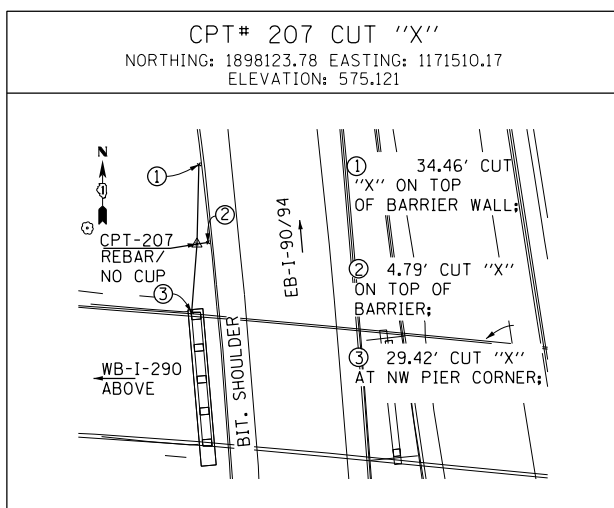
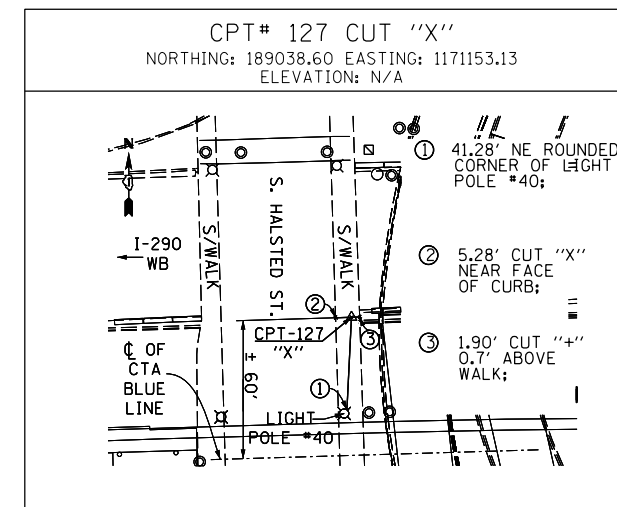
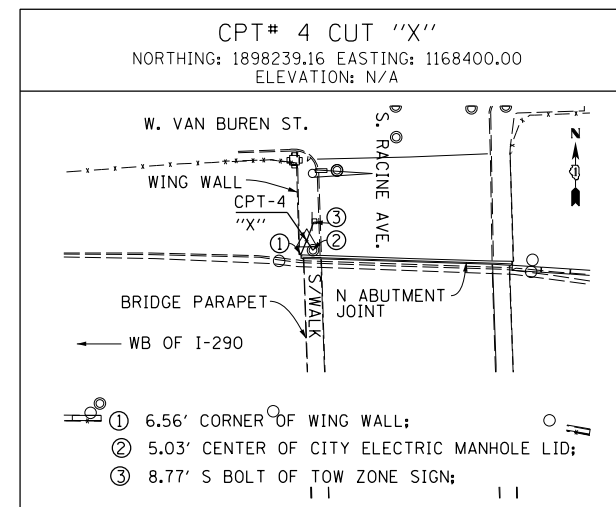
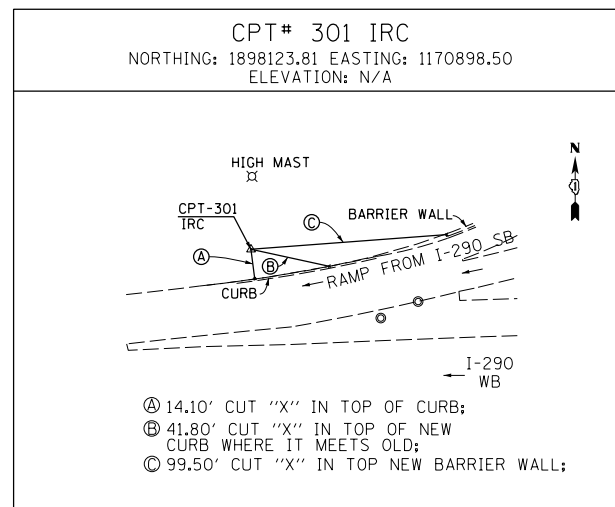
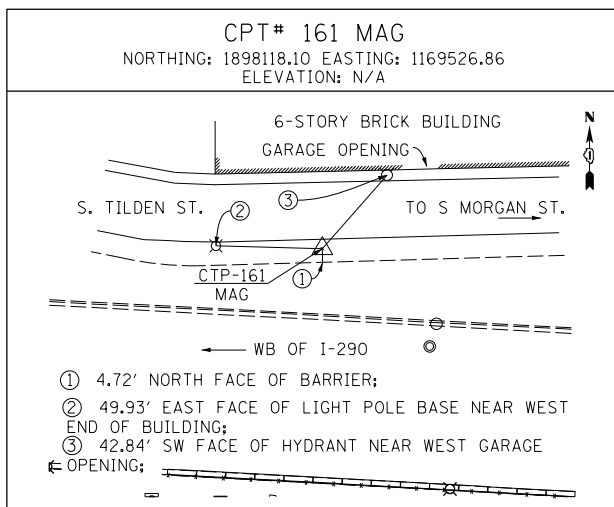
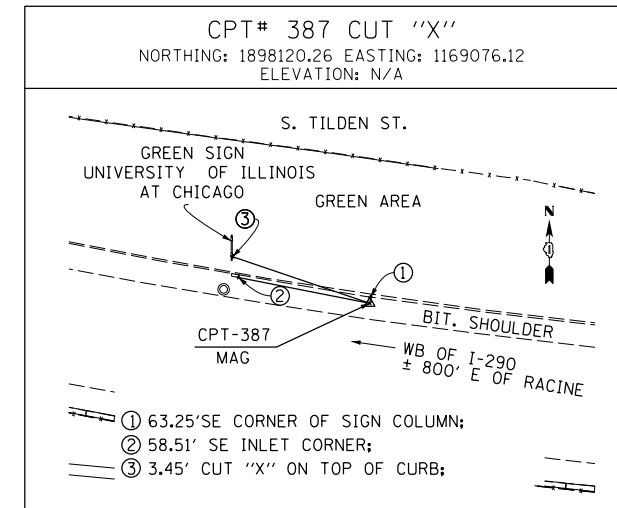
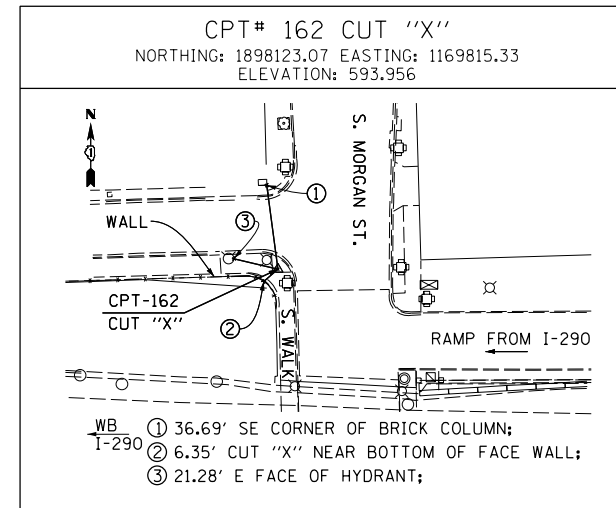
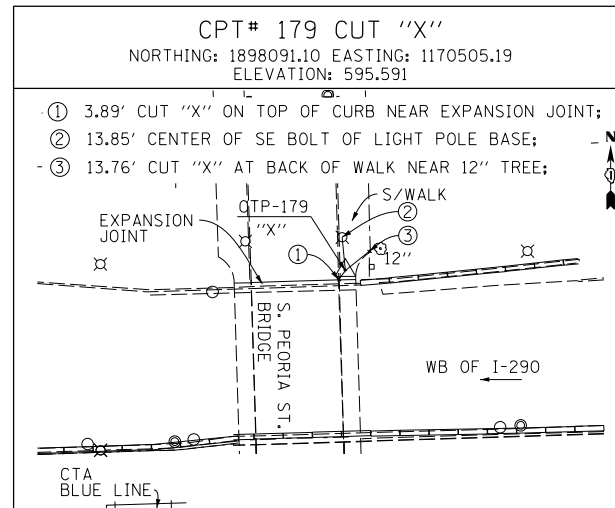
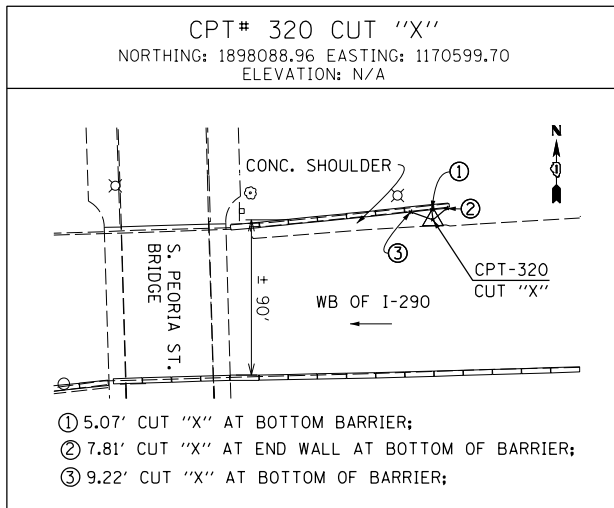
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DRAWN - ZND	REVISED -
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DATE - 3/14/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1" = 100' SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	43
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				



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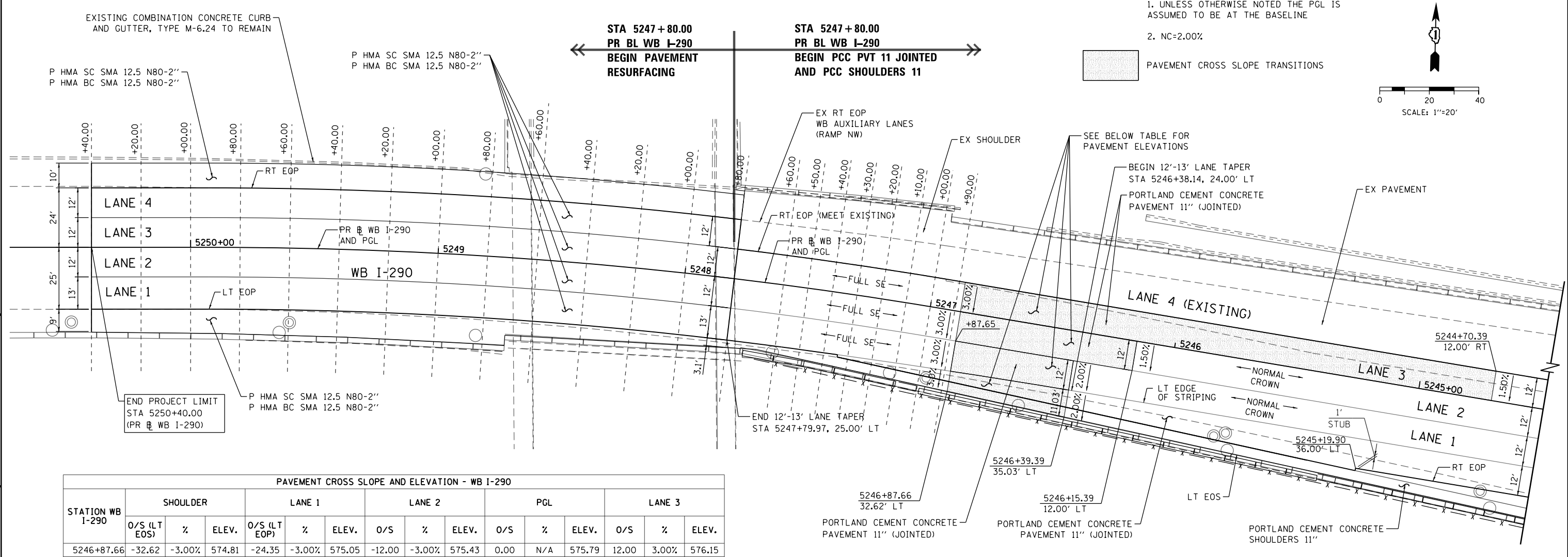
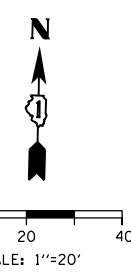
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	46
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

- NOTES:**
- UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE
 - NC=2.00%



PAVEMENT CROSS SLOPE AND ELEVATION - WB I-290

STATION WB I-290	SHOULDER			LANE 1			LANE 2			PGL			LANE 3		
	O/S (LT EOS)	%	ELEV.	O/S (LT EOP)	%	ELEV.	O/S	%	ELEV.	O/S	%	ELEV.	O/S	%	ELEV.
5246+87.66	-32.62	-3.00%	574.81	-24.35	-3.00%	575.05	-12.00	-3.00%	575.43	0.00	N/A	575.79	12.00	3.00%	576.15
5246+80.00	-33.00	-2.84%	574.88	-24.25	-2.84%	575.13	-12.00	-2.84%	575.48	0.00	N/A	575.82	12.00	2.84%	576.16
5246+70.00	-33.50	-2.63%	574.98	-24.15	-2.63%	575.23	-12.00	-2.63%	575.55	0.00	N/A	575.86	12.00	2.63%	576.18
5246+60.00	-34.00	-2.43%	575.09	-24.07	-2.43%	575.33	-12.00	-2.43%	575.63	0.00	N/A	575.92	12.00	2.43%	576.21
5246+50.00	-34.50	-2.22%	575.21	-24.02	-2.22%	575.44	-12.00	-2.22%	575.71	0.00	N/A	575.98	12.00	2.22%	576.24
5246+40.00	-35.00	-2.01%	575.34	-24.00	-2.01%	575.56	-12.00	-2.01%	575.80	0.00	N/A	576.04	12.00	2.01%	576.28
5246+39.39	-35.03	-2.00%	575.35	-24.00	-2.00%	575.57	-12.00	-2.00%	575.81	1.00	N/A	576.05	12.00	2.00%	576.29
5246+30.00	-	-	-	-	-	-	-12.00	-1.80%	575.90	0.00	N/A	576.11	12.00	1.81%	576.33
5246+20.00	-	-	-	-	-	-	-12.00	-1.60%	576.00	0.00	N/A	576.19	12.00	1.60%	576.38
5246+15.39	-	-	-	-	-	-	-12.00	-1.50%	576.04	1.00	N/A	576.22	12.00	1.50%	576.40
5246+10.00	-	-	-	-	-	-	-	-	-	0.00	N/A	576.27	12.00	1.39%	576.43
5246+00.00	-	-	-	-	-	-	-	-	-	0.00	N/A	576.34	12.00	1.18%	576.48
5245+90.00	-	-	-	-	-	-	-	-	-	0.00	N/A	576.42	12.00	0.98%	576.54
5245+80.00	-	-	-	-	-	-	-	-	-	0.00	N/A	576.50	12.00	0.77%	576.59
5245+70.00	-	-	-	-	-	-	-	-	-	0.00	N/A	576.57	12.00	0.56%	576.64
5245+60.00	-	-	-	-	-	-	-	-	-	0.00	N/A	576.65	12.00	0.36%	576.69
5245+50.00	-	-	-	-	-	-	-	-	-	0.00	N/A	576.73	12.00	0.15%	576.75
5245+40.00	-	-	-	-	-	-	-	-	-	0.00	N/A	576.80	12.00	-0.06%	576.80
5245+30.00	-	-	-	-	-	-	-	-	-	0.00	N/A	576.88	12.00	-0.27%	576.85
5245+20.00	-	-	-	-	-	-	-	-	-	0.00	N/A	576.96	12.00	-0.47%	576.90
5245+10.00	-	-	-	-	-	-	-	-	-	0.00	N/A	577.04	12.00	-0.68%	576.95
5245+00.00	-	-	-	-	-	-	-	-	-	0.00	N/A	577.11	12.00	-0.89%	577.01
5244+90.00	-	-	-	-	-	-	-	-	-	0.00	N/A	577.19	12.00	-1.09%	577.06
5244+80.00	-	-	-	-	-	-	-	-	-	0.00	N/A	577.27	12.00	-1.30%	577.11
5244+70.39	-	-	-	-	-	-	-	-	-	0.00	N/A	577.34	12.00	-1.50%	577.16

**CURVE P-IKE-WB-2
SUPERELEVATION TRANSITION FROM
EXISTING SE TO NORMAL CROWN**

PAVEMENT RESURFACING

PAVEMENT RECONSTRUCTION

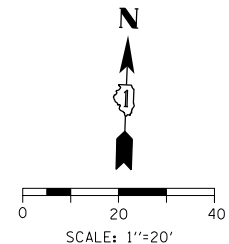
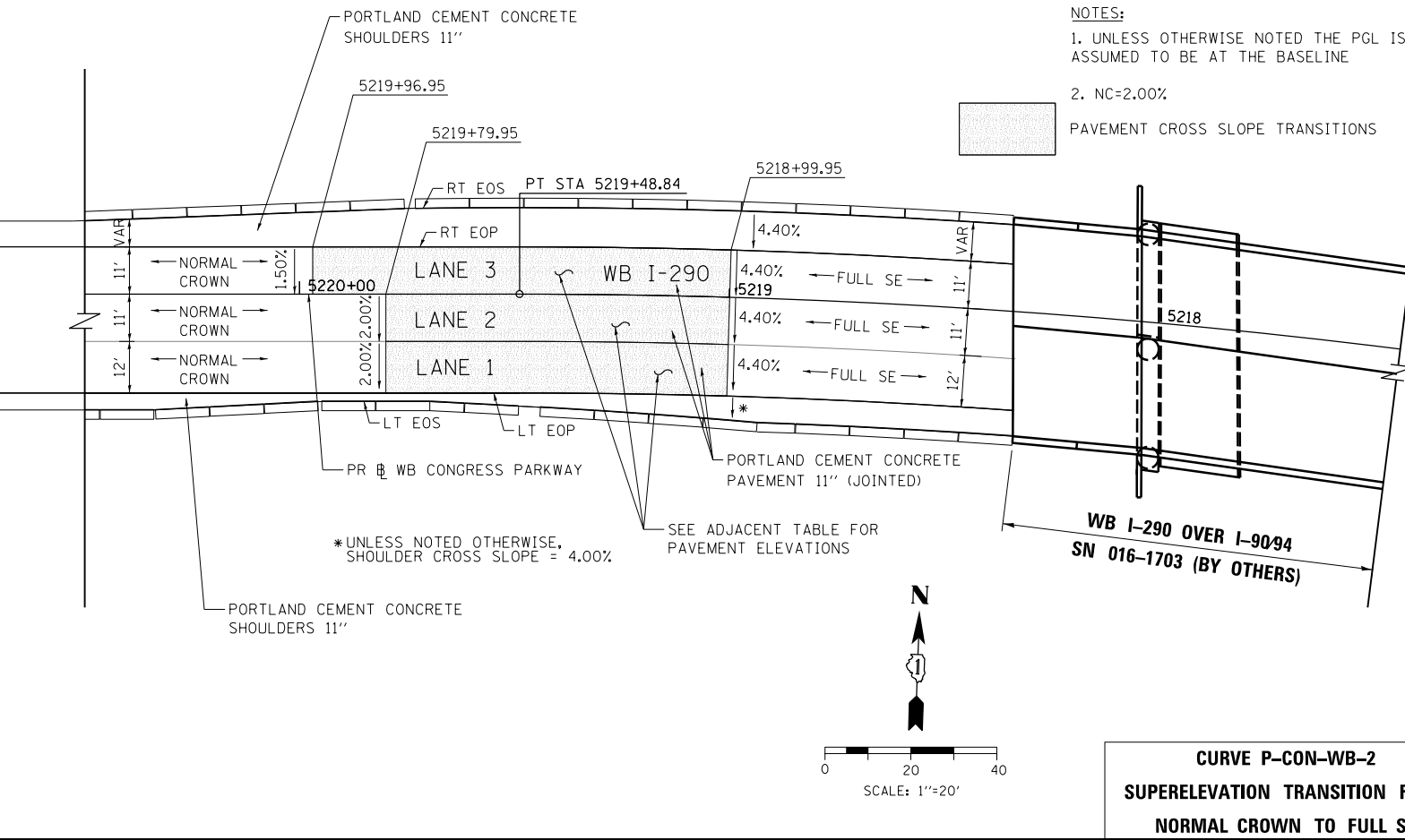
PAVEMENT CROSS SLOPE AND ELEVATION - WB I-290 (RESURFACING)

STATION WB I-290	LANE 1			LANE 2			PGL			LANE 3			LANE 4		
	O/S (LT EOP)	%	ELEV.	O/S	%	ELEV.	O/S	%	ELEV.	O/S	%	ELEV.	O/S (RT EOP)	%	ELEV.
5250+40.00	-25.00	-1.74%	576.52	-12.00	-1.45%	576.74	0.00	N/A	576.92	12.00	2.13%	577.17	24.00	1.29%	577.33
5250+20.00	-25.00	-1.83%	576.39	-12.00	-1.56%	576.63	0.00	N/A	576.82	12.00	2.19%	577.08	24.00	1.36%	577.24
5250+00.00	-25.00	-1.91%	576.27	-12.00	-1.66%	576.52	0.00	N/A	576.71	12.00	2.25%	576.98	24.00	1.42%	577.16
5249+80.00	-25.00	-2.00%	576.14	-12.00	-1.77%	576.40	0.00	N/A	576.61	12.00	2.31%	576.89	24.00	1.49%	577.07
5249+60.00	-25.00	-2.09%	576.01	-12.00	-1.88%	576.29	0.00	N/A	576.51	12.00	2.37%	576.80	24.00	1.55%	576.98
5249+40.00	-25.00	-2.17%	575.89	-12.00	-1.98%	576.17	0.00	N/A	576.41	12.00	2.43%	576.70	24.00	1.62%	576.90
5249+20.00	-25.00	-2.26%	575.76	-12.00	-2.09%	576.06	0.00	N/A	576.31	12.00	2.49%	576.61	24.00	1.69%	576.81
5249+00.00	-25.00	-2.35%	575.64	-12.00	-2.20%	575.94	0.00	N/A	576.21	12.00	2.55%	576.51	24.00	1.75%	576.72
5248+80.00	-25.00	-2.44%	575.51	-12.00	-2.31%	575.83	0.00	N/A	576.10	12.00	2.61%	576.42	24.00	1.82%	576.64
5248+60.00	-25.00	-2.52%	575.39	-12.00	-2.41%	575.71	0.00	N/A	576.00	12.00	2.67%	576.32	24.00	1.89%	576.55
5248+40.00	-25.00	-2.61%	575.26	-12.00	-2.52%	575.60	0.00	N/A	575.90	12.00	2.73%	576.23	24.00	1.95%	576.46
5248+20.00	-25.00	-2.70%	575.14	-12.00	-2.63%	575.49	0.00	N/A	575.81	12.00	2.79%	576.14	24.00	2.02%	576.38
5248+00.00	-25.00	-2.78%	575.05	-12.00	-2.73%	575.41	0.00	N/A	575.73	12.00	2.85%	576.08	24.00	2.08%	576.33
5247+80.00	-25.00	-2.87%	574.97	-12.00	-2.84%	575.35	0.00	N/A	575.69	12.00	2.91%	576.04	24.00	2.15%	576.30
5247+60.00	-25.00	-2.96%	574.93	-12.00	-2.95%	575.31	0.00	N/A	575.67	12.00	2.97%	576.02	24.00	2.32%	576.30
5247+50.00	-25.00	-3.00%	574.91	-12.00	-3.00%	575.30	0.00	N/A	575.66	12.00	3.00%	576.02	24.00	2.40%	576.31
5247+40.00	-24.96	-3.00%	574.92	-12.00	-3.00%	575.31	0.00	N/A	575.67	12.00	3.00%	576.03	-	-	-
5247+30.00	-24.90	-3.00%	574.93	-12.00	-3.00%	575.32	0.00	N/A	575.68	12.00	3.00%	576.04	-	-	-
5247+20.00	-24.81	-3.00%	574.95	-12.00	-3.00%	575.33	0.00	N/A	575.69	12.00	3.00%	576.05	-	-	-
5247+10.00	-24.69	-3.00%	574.97	-12.00	-3.00%	575.36	0.00	N/A	575.72	12.00	3.00%	576.08	-	-	-
5247+00.00	-24.54	-3.00%	575.01	-12.00	-3.00%	575.38	0.00	N/A	575.74	12.00	3.00%	576.10	-	-	-
5246+90.00	-24.38	-3.00%	575.05	-12.00	-3.00%	575.42	0.00	N/A	575.78	12.00	3.00%	576.14	-	-	-
5246+87.66	-24.35	-3.00%	575.06	-12.00	-3.00%	575.43	0.00	N/A	575.79	12.00	3.00%	576.15	-	-	-

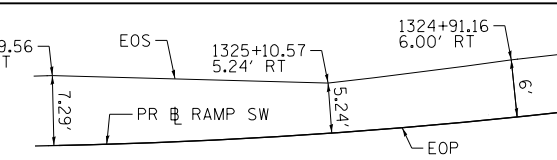
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STATION WB CONGRESS PARKWAY	PAVEMENT CROSS SLOPE AND ELEVATION - WB CONGRESS PARKWAY											
	LANE 1			LANE 2			PGL			LANE 3		
	O/S (LT EOP)	%	ELEV.	O/S	%	ELEV.	O/S	%	ELEV.	O/S (RT EOP)	%	ELEV.
5219+96.95	-	-	-	-	-	-	0.00	N/A	582.36	11.00	1.50%	582.53
5219+90.00	-	-	-	-	-	-	0.00	N/A	582.73	11.00	1.71%	582.92
5219+80.00	-	-	-	-	-	-	0.00	N/A	583.28	11.00	2.01%	583.50
5219+79.95	-23.00	-2.00%	582.82	-11.00	-2.00%	583.06	0.00	N/A	583.28	11.00	2.01%	583.50
5219+70.00	-23.00	-2.30%	583.32	-11.00	-2.30%	583.60	0.00	N/A	583.85	11.00	2.31%	584.10
5219+60.00	-23.00	-2.60%	583.84	-11.00	-2.60%	584.15	0.00	N/A	584.44	11.00	2.60%	584.72
5219+50.00	-23.00	-2.90%	584.36	-11.00	-2.90%	584.71	0.00	N/A	585.03	11.00	2.90%	585.35
5219+40.00	-23.00	-3.20%	584.88	-11.00	-3.20%	585.27	0.00	N/A	585.62	11.00	3.20%	585.97
5219+30.00	-23.00	-3.50%	585.40	-11.00	-3.50%	585.82	0.00	N/A	586.21	11.00	3.50%	586.59
5219+20.00	-23.00	-3.80%	585.92	-11.00	-3.80%	586.38	0.00	N/A	586.80	11.00	3.80%	587.22
5219+10.00	-23.00	-4.10%	586.44	-11.00	-4.10%	586.94	0.00	N/A	587.39	11.00	4.10%	587.84
5219+00.00	-23.00	-4.40%	586.96	-11.00	-4.40%	587.49	0.00	N/A	587.98	11.00	4.40%	588.46
5218+99.95	-23.00	-4.40%	586.97	-11.00	-4.40%	587.50	0.00	N/A	587.98	11.00	4.40%	588.46

NOTES:
 1. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE
 2. NC=2.00%
 PAVEMENT CROSS SLOPE TRANSITIONS

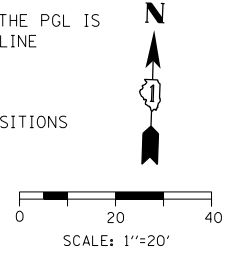


CURVE P-CON-WB-2
SUPERELEVATION TRANSITION FROM
NORMAL CROWN TO FULL SE

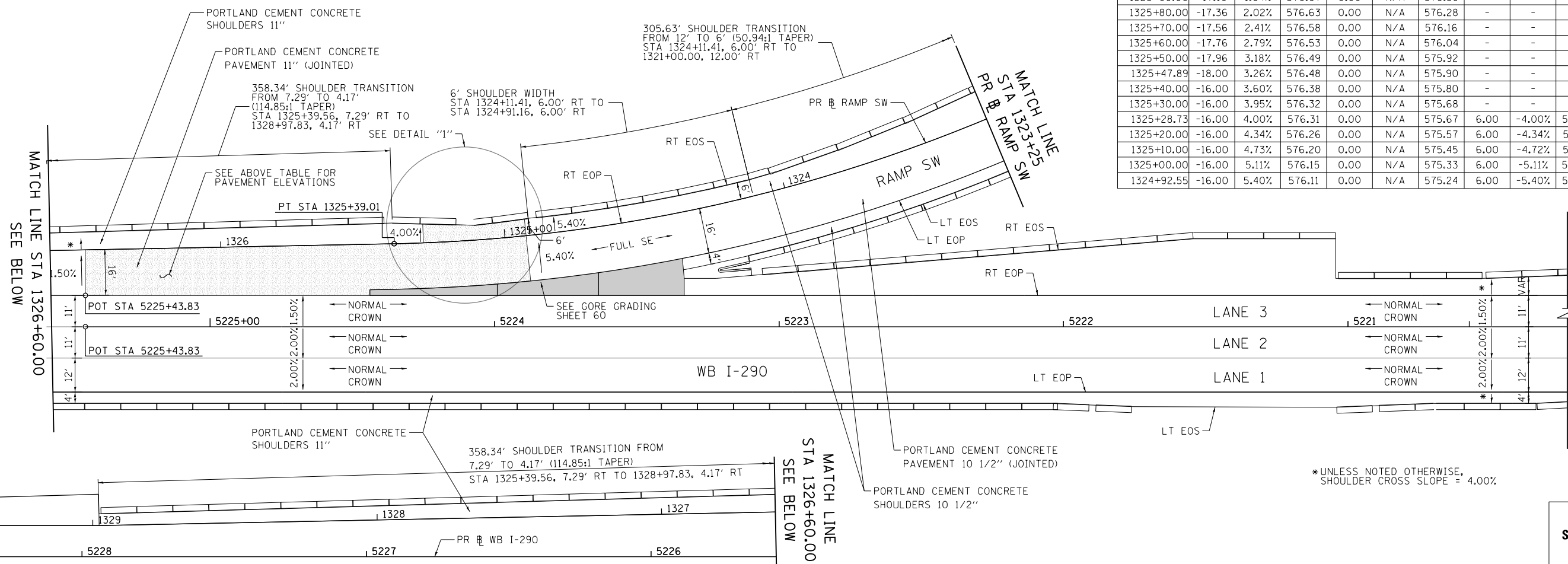


DETAIL "1": SHOULDER TRANSITION
 SCALE: NONE

NOTES:
 1. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE
 2. NC=2.00%
 PAVEMENT CROSS SLOPE TRANSITIONS



STATION RAMP SW	PAVEMENT CROSS SLOPE AND ELEVATION - RAMP SW - INTERIM								
	LT EOP			PGL (RT EOP)			RT EOS		
	O/S	%	ELEV.	O/S	%	ELEV.	O/S	%	ELEV.
1325+93.56	-17.09	1.50%	576.69	0.00	N/A	576.44	-	-	-
1325+90.00	-17.16	1.64%	576.67	0.00	N/A	576.39	-	-	-
1325+80.00	-17.36	2.02%	576.63	0.00	N/A	576.28	-	-	-
1325+70.00	-17.56	2.41%	576.58	0.00	N/A	576.16	-	-	-
1325+60.00	-17.76	2.79%	576.53	0.00	N/A	576.04	-	-	-
1325+50.00	-17.96	3.18%	576.49	0.00	N/A	575.92	-	-	-
1325+47.89	-18.00	3.26%	576.48	0.00	N/A	575.90	-	-	-
1325+40.00	-16.00	3.60%	576.38	0.00	N/A	575.80	-	-	-
1325+30.00	-16.00	3.95%	576.32	0.00	N/A	575.68	-	-	-
1325+28.73	-16.00	4.00%	576.31	0.00	N/A	575.67	6.00	-4.00%	575.43
1325+20.00	-16.00	4.34%	576.26	0.00	N/A	575.57	6.00	-4.34%	575.31
1325+10.00	-16.00	4.73%	576.20	0.00	N/A	575.45	6.00	-4.72%	575.16
1325+00.00	-16.00	5.11%	576.15	0.00	N/A	575.33	6.00	-5.11%	575.02
1324+92.55	-16.00	5.40%	576.11	0.00	N/A	575.24	6.00	-5.40%	574.92



* UNLESS NOTED OTHERWISE, SHOULDER CROSS SLOPE = 4.00%

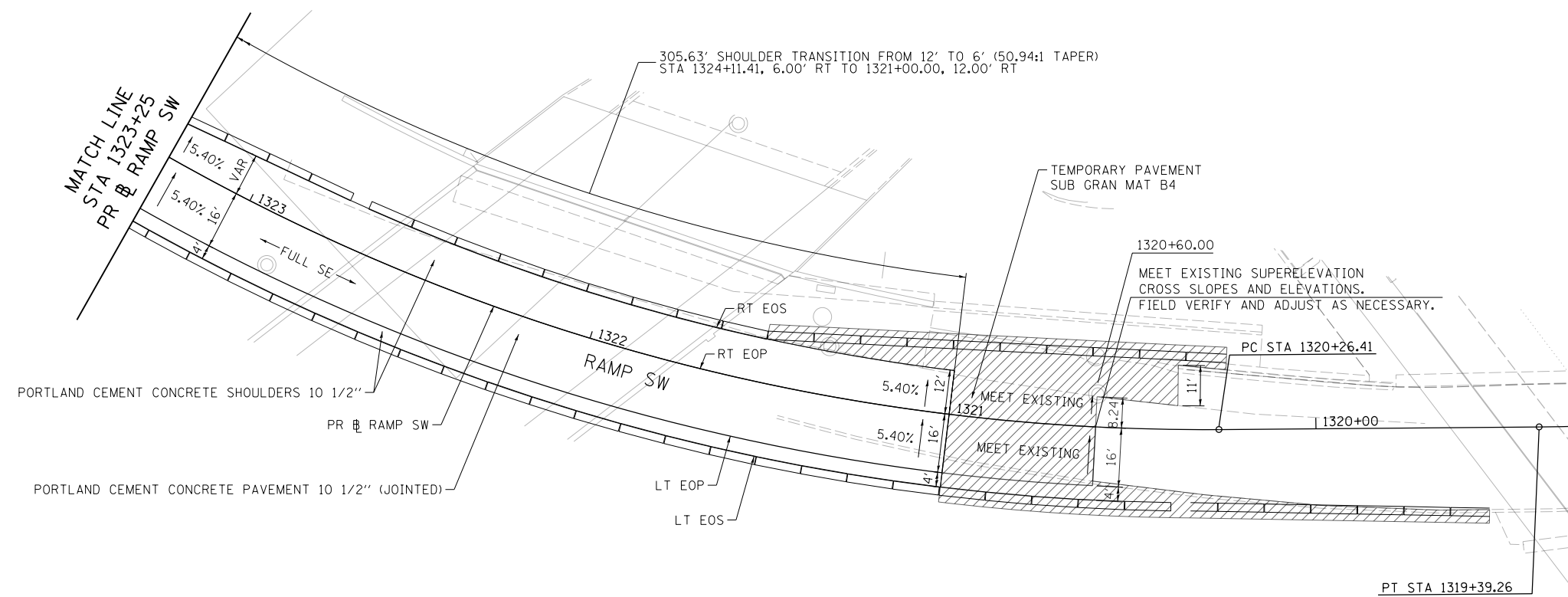
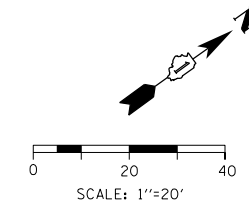
CURVE P-CIR-SWI-3
SUPERELEVATION TRANSITION FROM
NORMAL CROWN TO FULL SE

<p>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-1700 FAX: (312) 373-6800</p>	D160X77-SHT-SE-02.dgn	DESIGNED - OPS	REVISED -
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	PLOT DATE = 3/15/2016	DATE - 3/14/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERELEVATION TRANSITION DETAILS			
WB I-290 AND RAMP SW			
SCALE: 1"=20'	SHEET 2 OF 3 SHEETS	STA.	TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	49
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				



NOTES:

1. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE
2. NC=2.00%

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D160X77-SHT-SE-03.dgn	DESIGNED - OPS	REVISED -
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PLOT SCALE = 40.0000' / in.	CHECKED - DBM	REVISED -
PLOT DATE = 3/15/2016	DATE - 3/14/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERELEVATION TRANSITION DETAILS
RAMP SW**

SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. TO STA.

**CURVE P-CIR-SW-3
SUPERELEVATION TRANSITION FROM
EXISTING TO FULL SE**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	50
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				



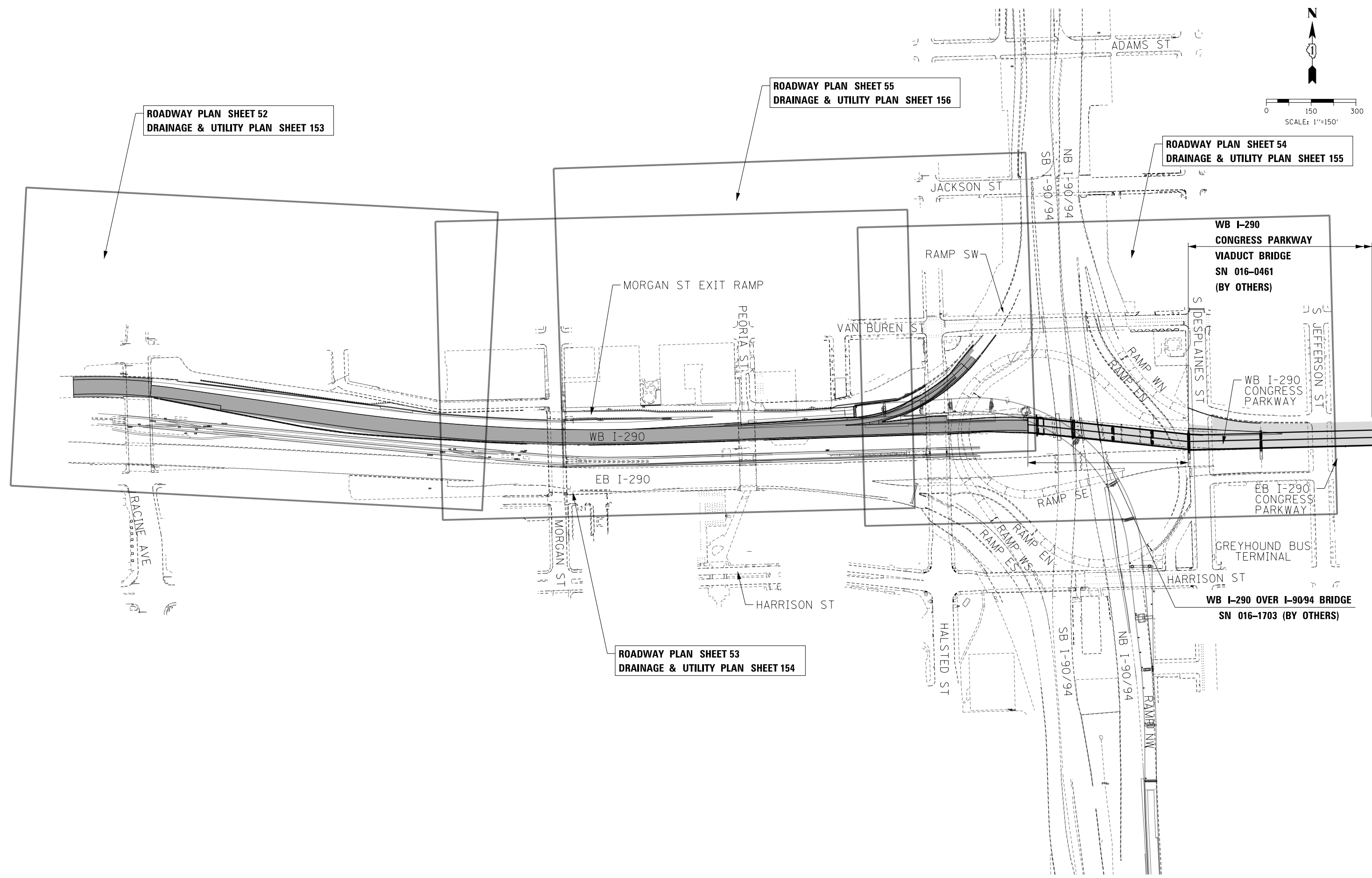
0 150 300
SCALE: 1"=150'

ROADWAY PLAN SHEET 52
DRAINAGE & UTILITY PLAN SHEET 153

ROADWAY PLAN SHEET 55
DRAINAGE & UTILITY PLAN SHEET 156

ROADWAY PLAN SHEET 54
DRAINAGE & UTILITY PLAN SHEET 155

ROADWAY PLAN SHEET 53
DRAINAGE & UTILITY PLAN SHEET 154



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D160x77-SHT-Key Plan.dgn
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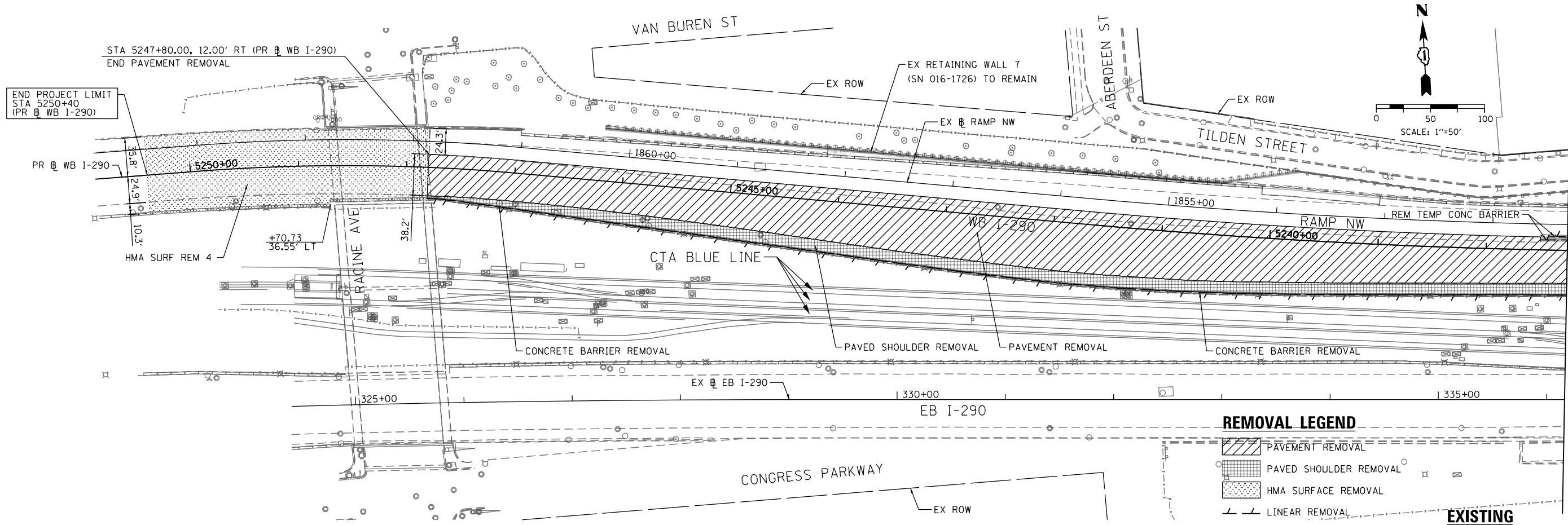
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DRAWN - OPS
CHECKED - DBM
DATE - 3/14/2016
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY KEY PLAN

SCALE: 1"=150' SHEET 1 OF 1 SHEETS STA. TO STA.

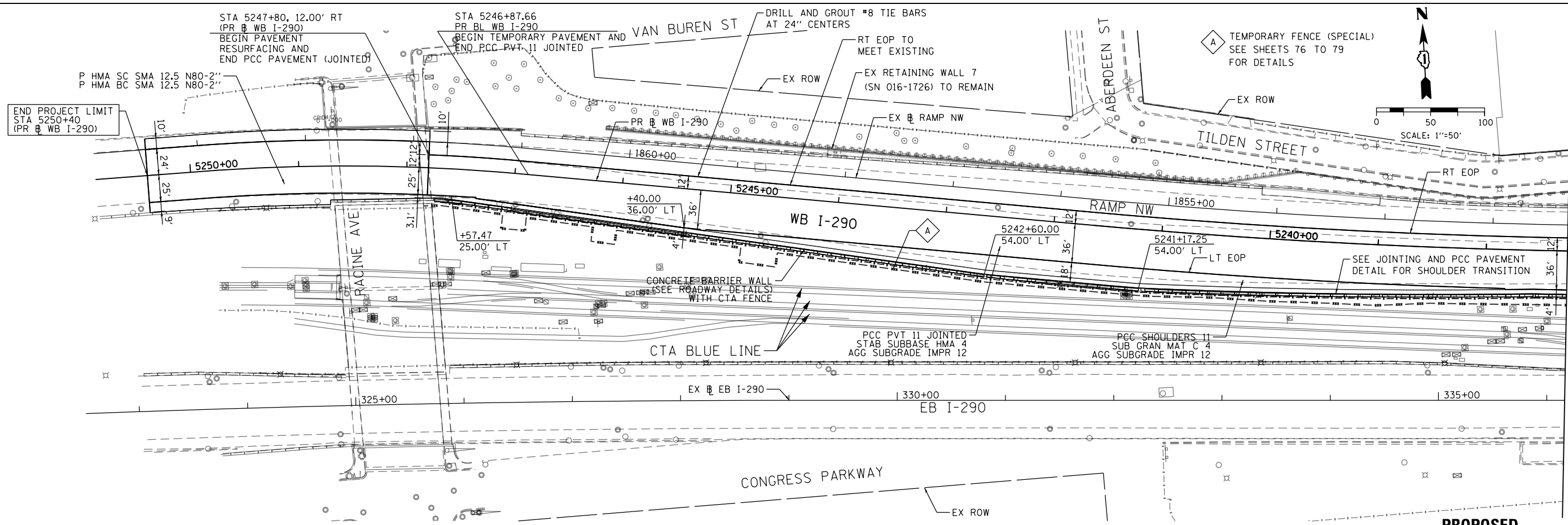
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	51
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HMA SURFACE REMOVAL
- LINEAR REMOVAL

EXISTING



PROPOSED

- TEMPORARY FENCE (SPECIAL) SEE SHEETS 76 TO 79 FOR DETAILS
- RT EOP
- LT EOP

SEE JOINTING AND PCC PAVEMENT DETAIL FOR SHOULDER TRANSITION

FILE PATH = p:\617479-PM\INT\pcc\plan\01.dgn
 I:\000_CAD\006_Roadway\Sheets\60X77_Contract\0160X77-SHT-PLAN-01.dgn

MATCH LINE STA 5237+25
 (PR WB CONGRESS PARKWAY)
 SEE SHEET NO. 53

MATCH LINE STA 5237+25
 (PR WB CONGRESS PARKWAY)
 SEE SHEET NO. 53



D160X77-SHT-PLAN-01.dgn	DESIGNED - OPS	REVISED -
USER NAME = PIMSARNO	DRAWN - OPS	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - DBM	REVISED -
PLOT DATE = 4/28/2016	DATE - 4/27/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED PLAN WB I-290 MAINLINE			
SCALE: 1"=50'	SHEET 1 OF 3 SHEETS	STA. 5250+87.94 TO STA. 5237+25	

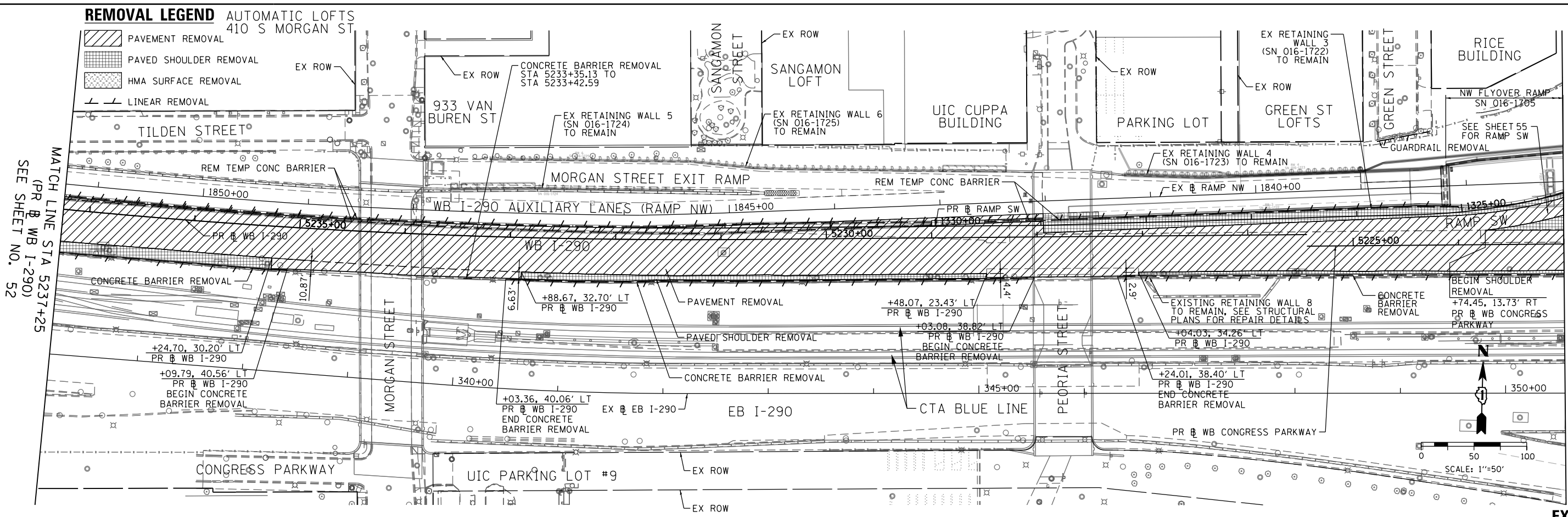
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	52
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

REMOVAL LEGEND AUTOMATIC LOFTS
410 S MORGAN ST

- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HMA SURFACE REMOVAL
- LINEAR REMOVAL

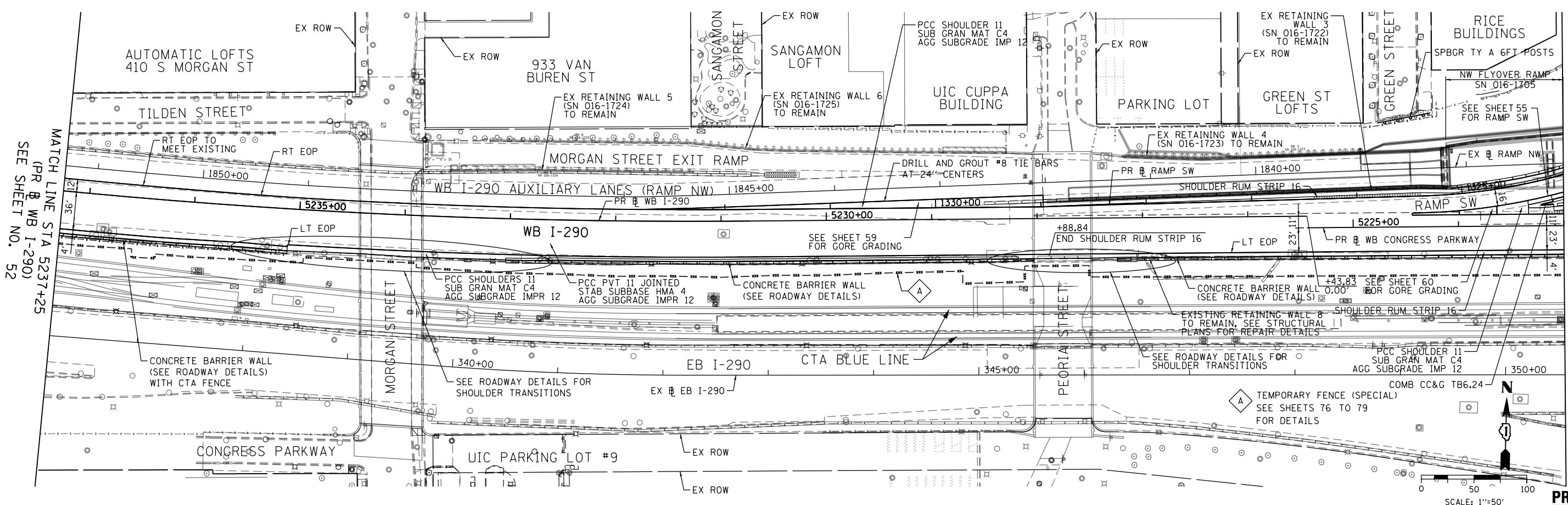
MATCH LINE STA 5237+25
(PR & WB I-290)
SEE SHEET NO. 52

MATCH LINE STA 5223+00
(PR & WB CONGRESS PARKWAY)
SEE SHEET NO. 54



MATCH LINE STA 5237+25
(PR & WB I-290)
SEE SHEET NO. 52

MATCH LINE STA 5223+00
(PR & WB CONGRESS PARKWAY)
SEE SHEET NO. 54



D160X77-SHT-PLAN-02.dgn
 USER NAME = PIMSARN0
 PLOT SCALE = 100.0000' / 1" =
 PLOT DATE = 4/28/2016

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DRAWN - OPS	REVISED -
CHECKED - DBM	REVISED -
DATE - 4/27/2016	REVISED -

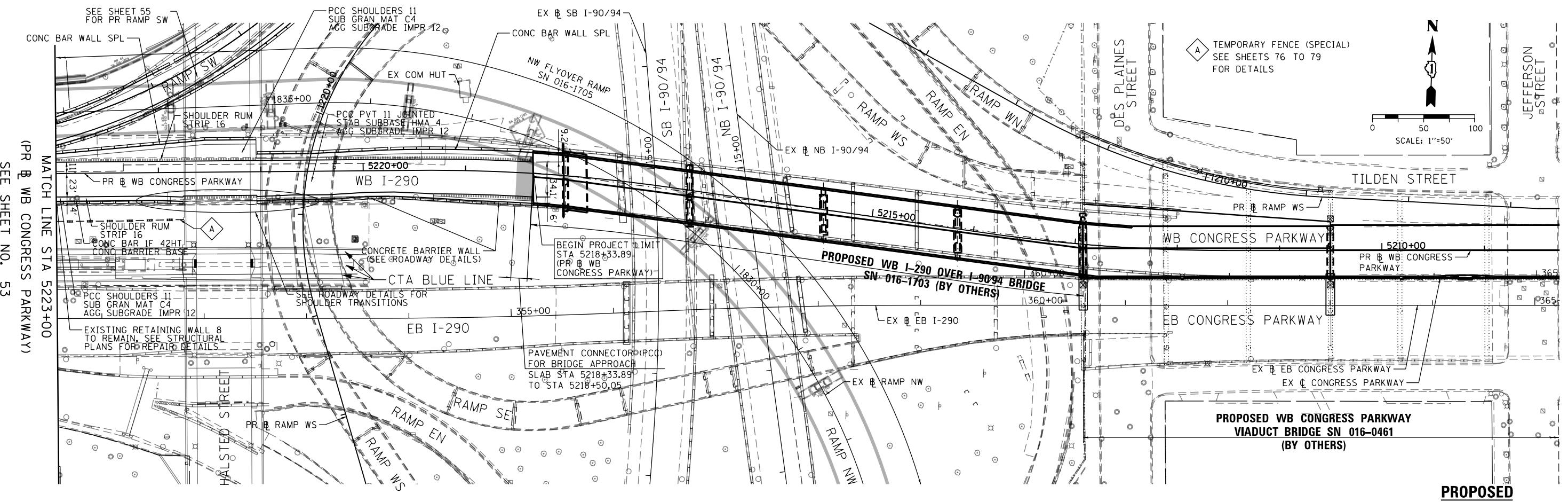
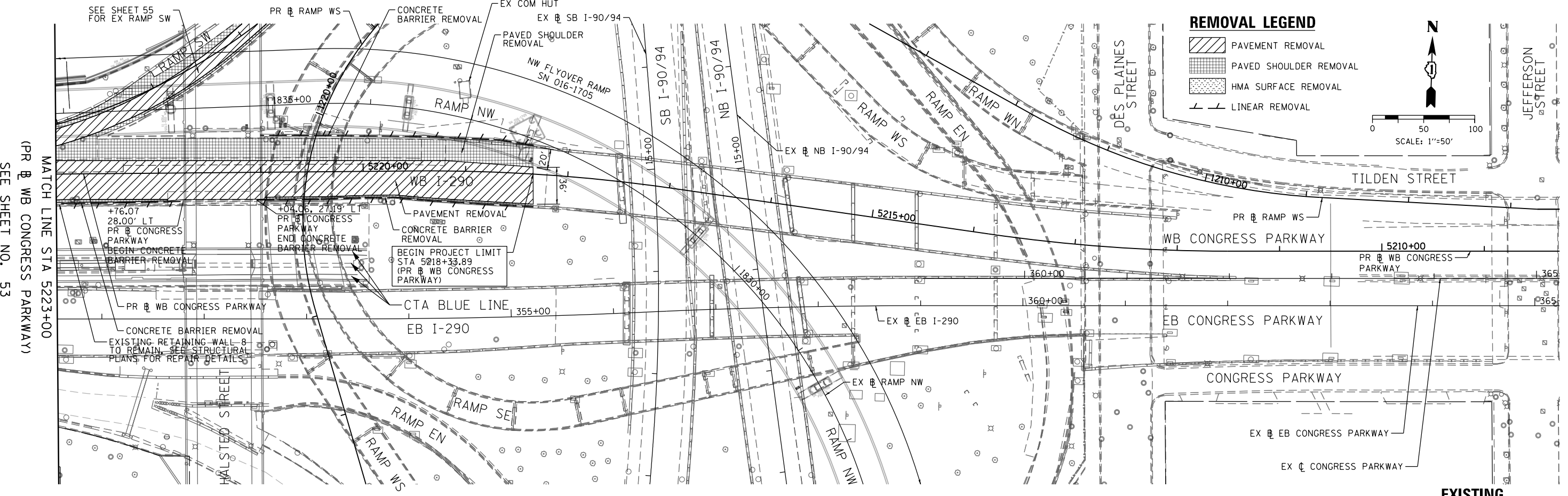
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED PLAN
WB I-290 MAINLINE**

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 5237+25 TO STA. 5223+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	53
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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MATCH LINE STA 5223+00
 (PR & WB CONGRESS PARKWAY)
 SEE SHEET NO. 53

MATCH LINE STA 5223+00
 (PR & WB CONGRESS PARKWAY)
 SEE SHEET NO. 53



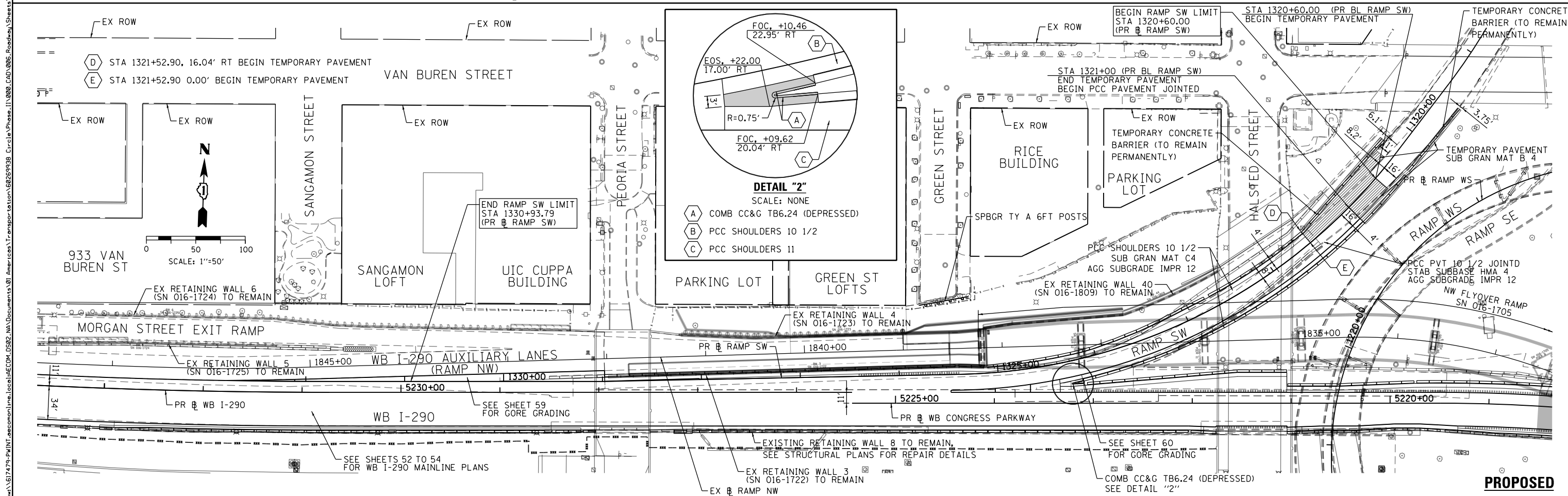
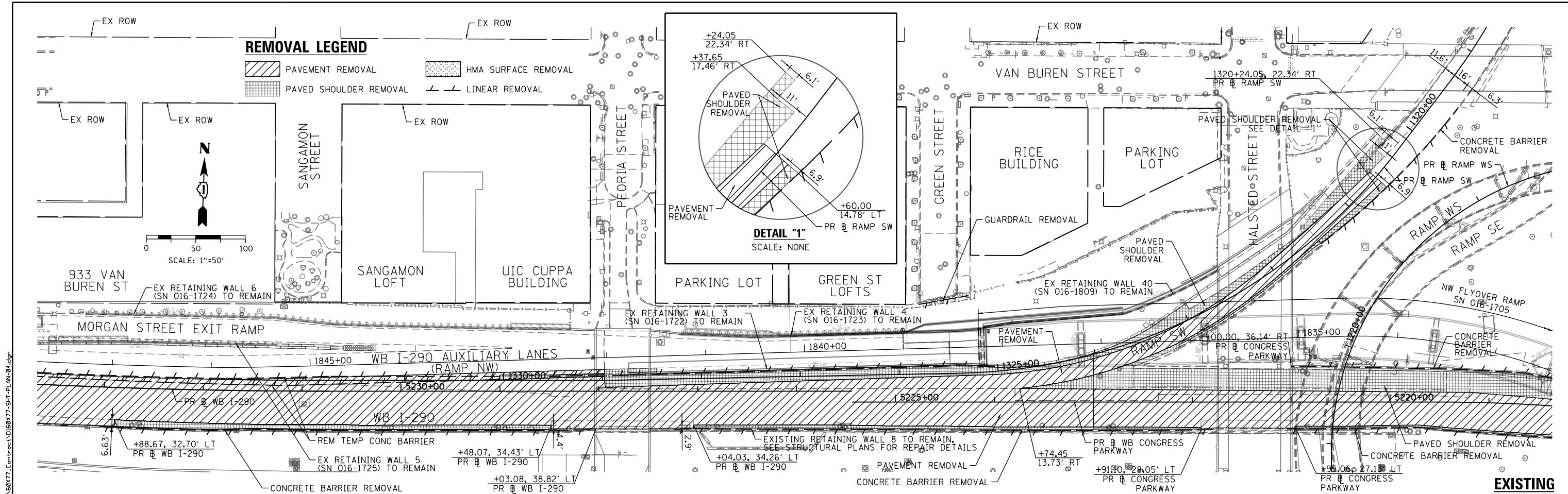
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 PLOT DATE = 4/28/2016

DESIGNED - OPS	REVISED -
DRAWN - OPS	REVISED -
CHECKED - DBM	REVISED -
DATE - 4/27/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED PLAN	
WB I-290 MAINLINE	
SCALE: 1"=50'	SHEET 3 OF 3 SHEETS
STA. 5223+00	TO STA. 5208+26.55

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	54
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				



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 PLOT DATE = 4/28/2016

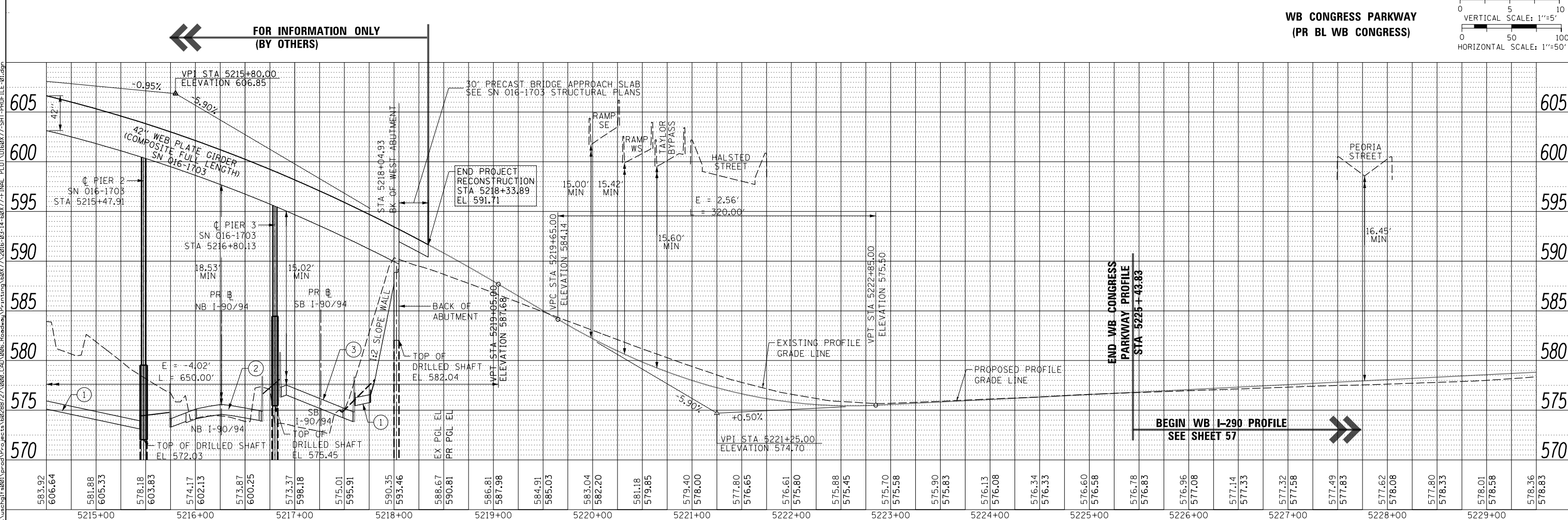
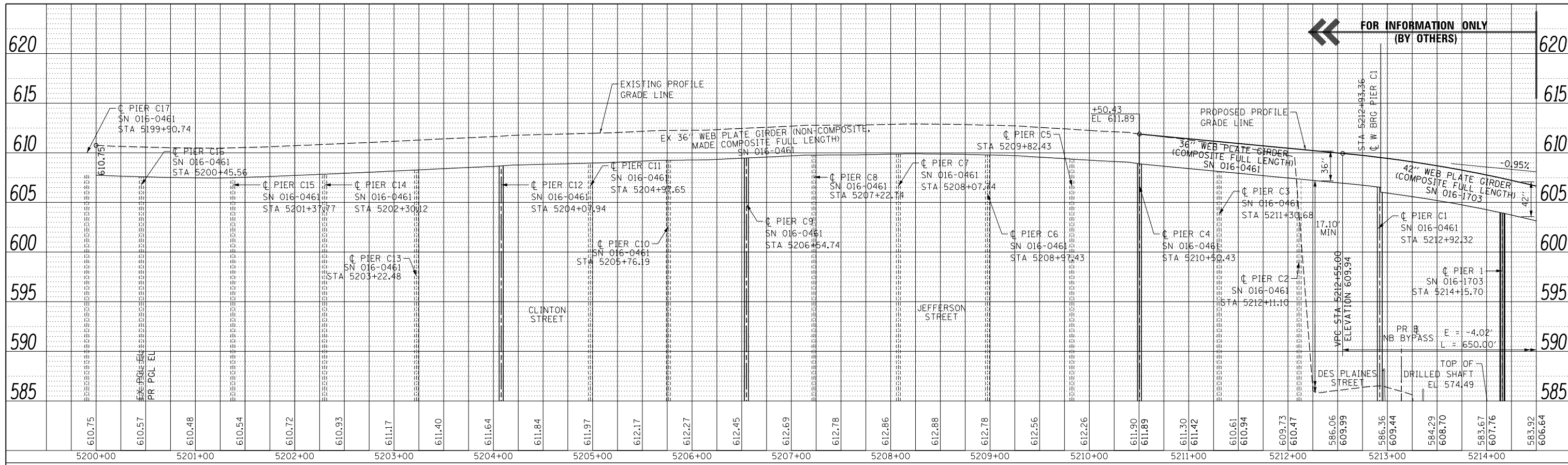
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DRAWN - OPS	REVISED -
CHECKED - DBM	REVISED -
DATE - 4/27/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED PLAN
 RAMP SW
 SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 5238+25 TO STA. 5220+75

F.A.I. RTE. 90/94/290	SECTION 2014-003R&B	COUNTY COOK	TOTAL SHEETS 431	SHEET NO. 55
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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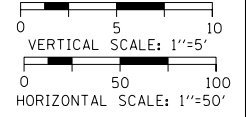
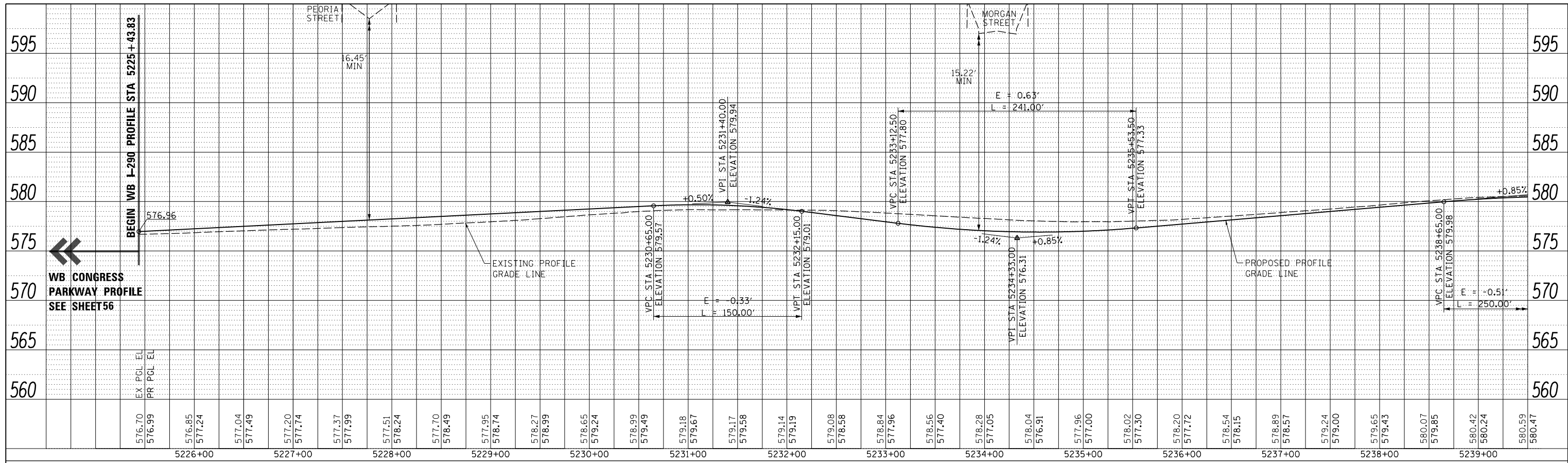
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PLOT DATE = 3/15/2016	DATE - 3/14/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

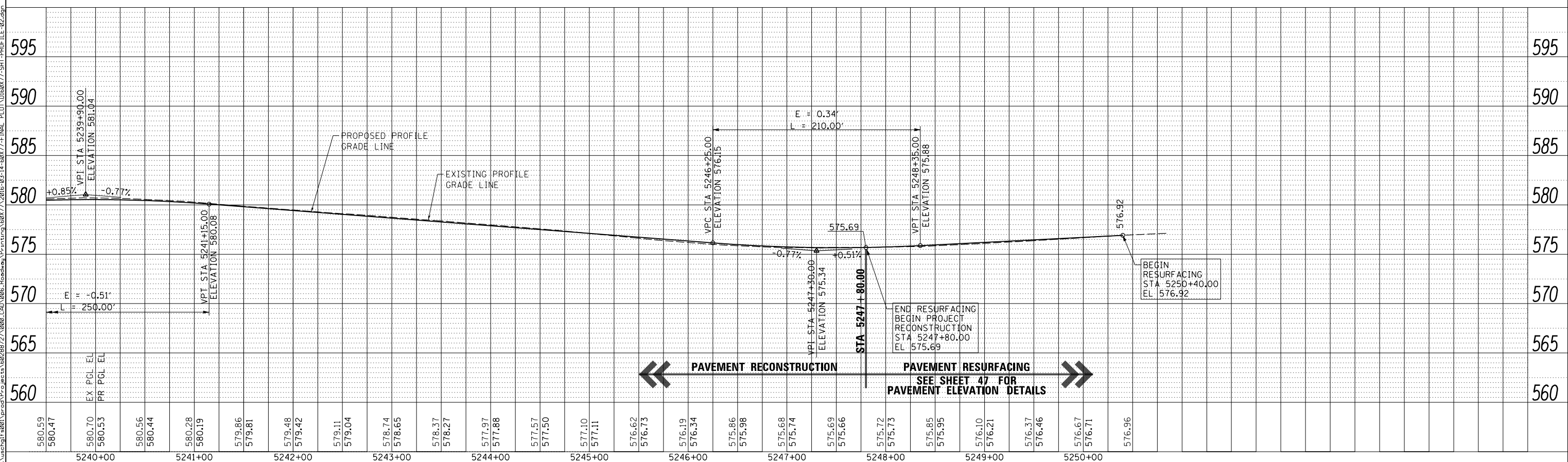
**ROADWAY PROFILE
WB CONGRESS PARKWAY (PR BL WB CONGRESS)**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 5200+00 TO STA. 5229+00

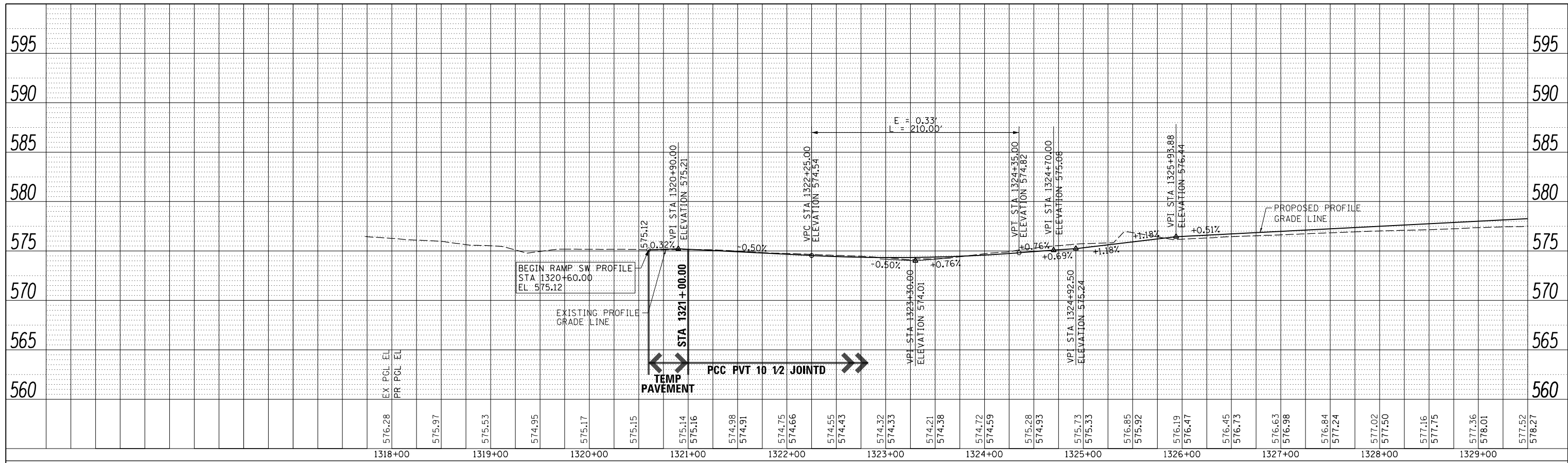
F.A.I. RTE. 90/94/290	SECTION 2014-003R&B	COUNTY COOK	TOTAL SHEETS 431	SHEET NO. 56
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				



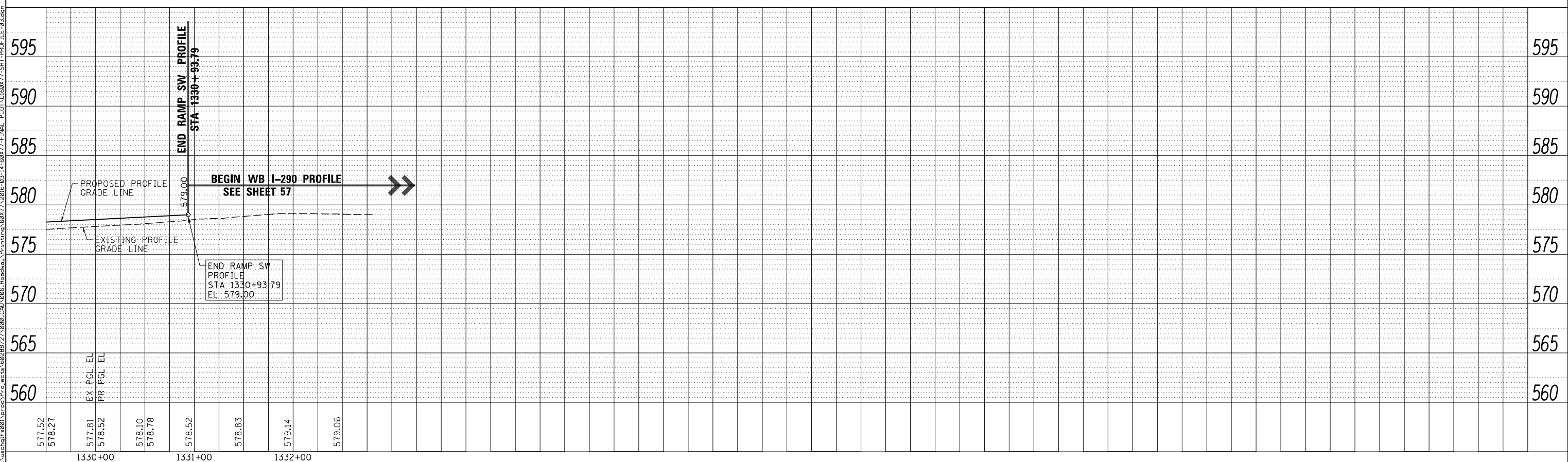
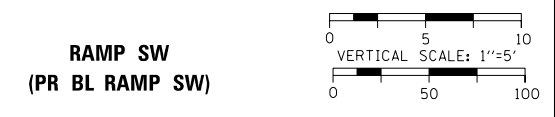
WB I-290
(PR BL WB I-290)



<p>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-1700 FAX: (312) 373-6800</p>	D160X77-SHT-PROFILE-02.dgn	DESIGNED - SDH	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">ROADWAY PROFILE WB I-290 (PR BL WB I-290)</p> <p>SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 5225+44 TO STA. 5250+02</p>	F.A.I. RTE. 90/94/290	SECTION 2014-003R&B	COUNTY COOK	TOTAL SHEETS 431	SHEET NO. 57
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	PLOT SCALE = 100.0000' / 1"	CHECKED - DBM	REVISED -		ILLINOIS FED. AID PROJECT				
	PLOT DATE = 3/15/2016	DATE = 3/14/2016	REVISED -						



Station	EX PCL EL	PR PCL EL
1318+00	576.28	
1319+00	575.97	
1320+00	575.53	
1321+00	574.95	
1322+00	574.98	
1323+00	574.32	
1324+00	574.28	
1325+00	575.28	
1326+00	576.19	
1327+00	576.45	
1328+00	577.02	
1329+00	577.52	



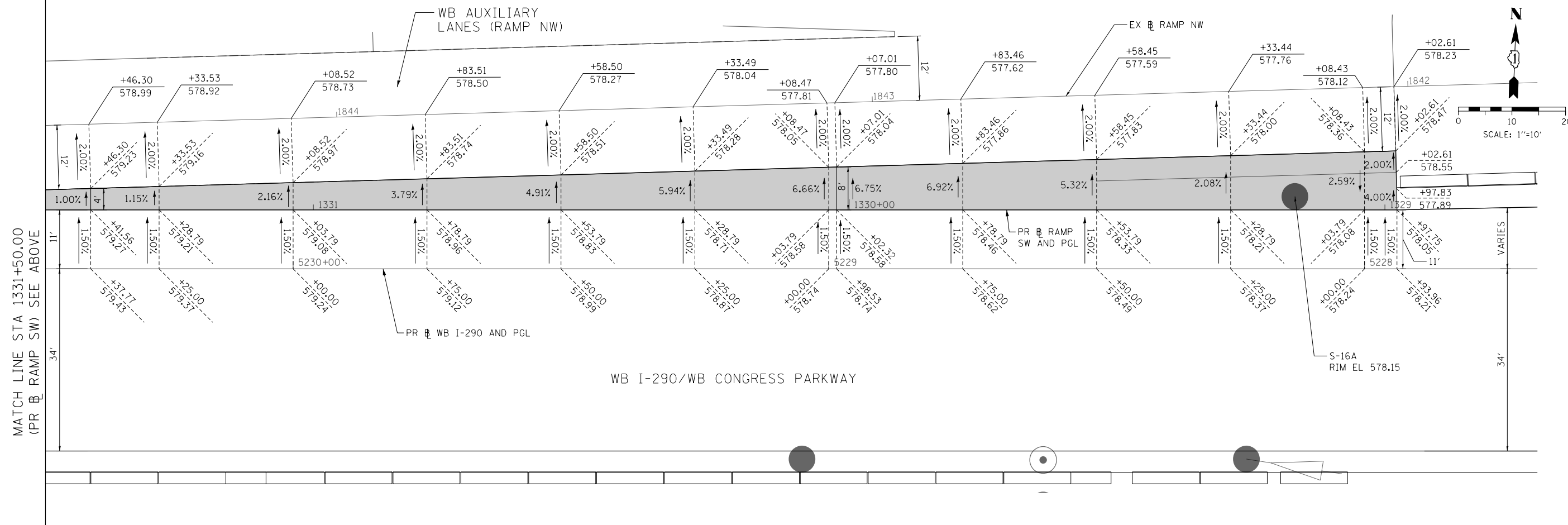
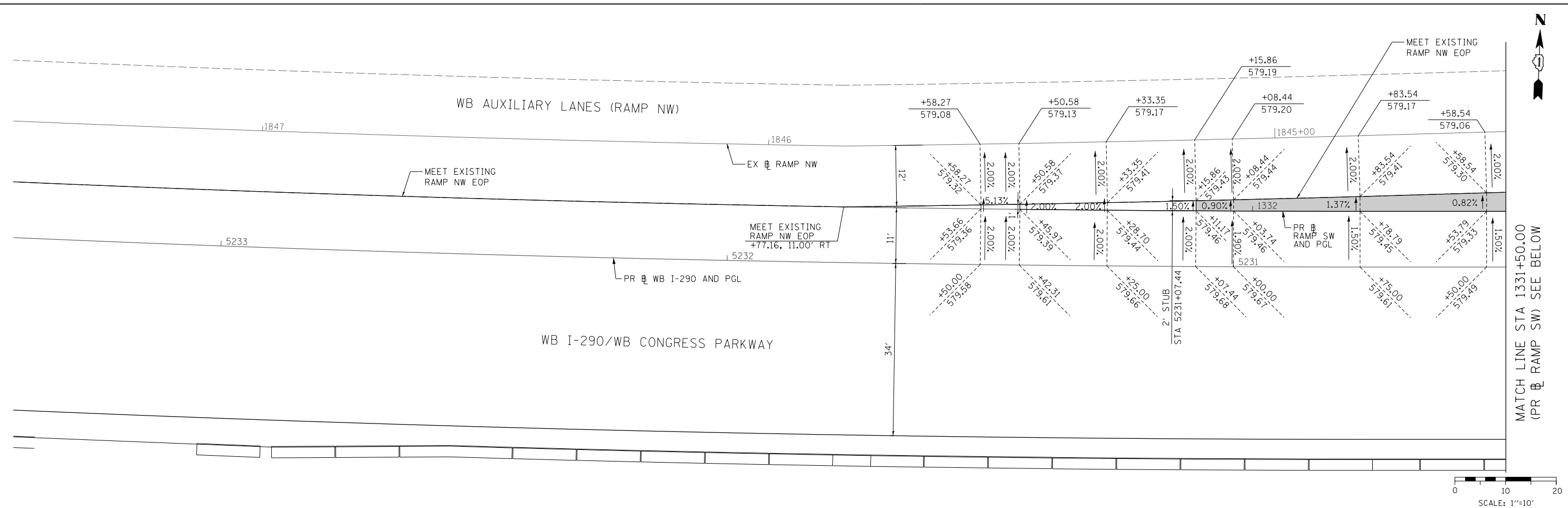
<p>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-1700 FAX: (312) 373-6800</p>	D160X77-SHT-PROFILE-03.dgn	DESIGNED - SDH	REVISED -
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	PLOT SCALE = 100.0000' / in.	CHECKED - DBM	REVISED -
	PLOT DATE = 3/15/2016	DATE = 3/14/2016	REVISED -

STATE OF ILLINOIS		ROADWAY PROFILE	
DEPARTMENT OF TRANSPORTATION		RAMP SW (PR BL RAMP SW)	
SCALE: 1"=50'	SHEET 1 OF 1 SHEETS	STA. 1319+39.75 TO STA. 1330+93.79	

F.A.I. RTE. 90/94/290	SECTION 2014-003R&B	COUNTY COOK	TOTAL SHEETS 431	SHEET NO. 58
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X77	

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D16077-sht-GoreDetail-01.dgn
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 DATE - 3/14/2016

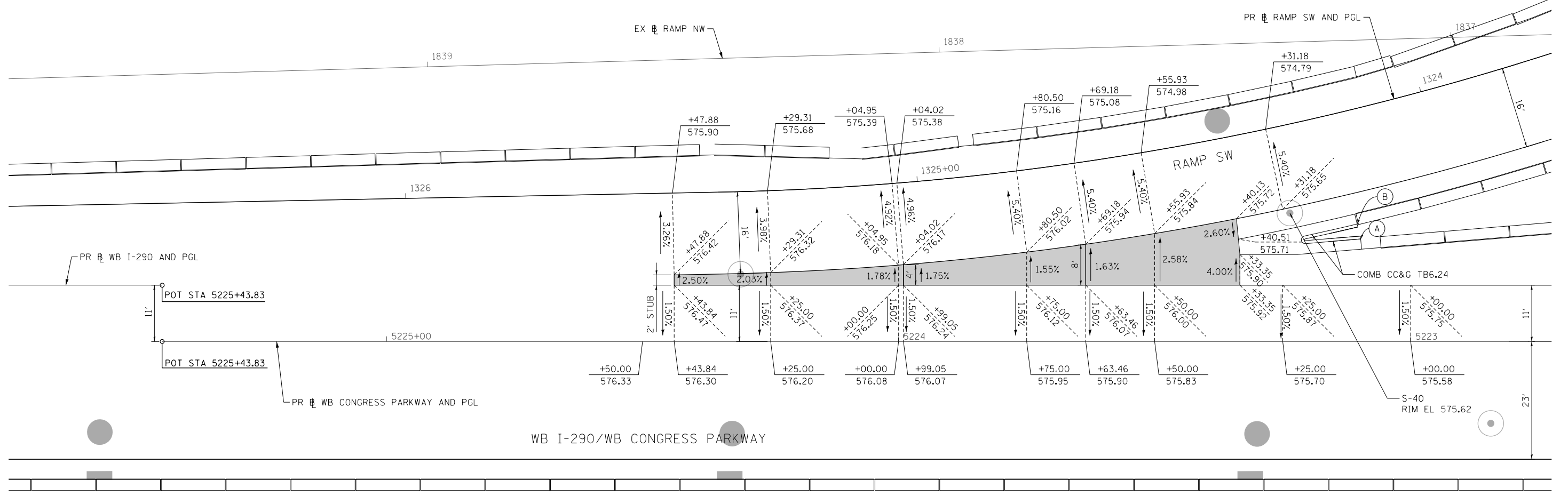
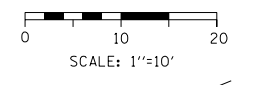
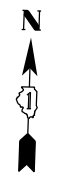
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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GORE GRADING DETAILS
 WB I-290 AND WB AUXILIARY LANES (RAMP NW)**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	59
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				



- (A) STA 5223+09.77
(PR WB CONGRESS PARKWAY)
BEGIN COMB CC&G TB6.24
- (B) STA 1324+18.06
(PR RAMP SW)
BEGIN COMB CC&G TB6.24

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D160X77-sht-GoreDetail-02.dgn
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 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 3/15/2016

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DATE - 3/14/2016	REVISED -

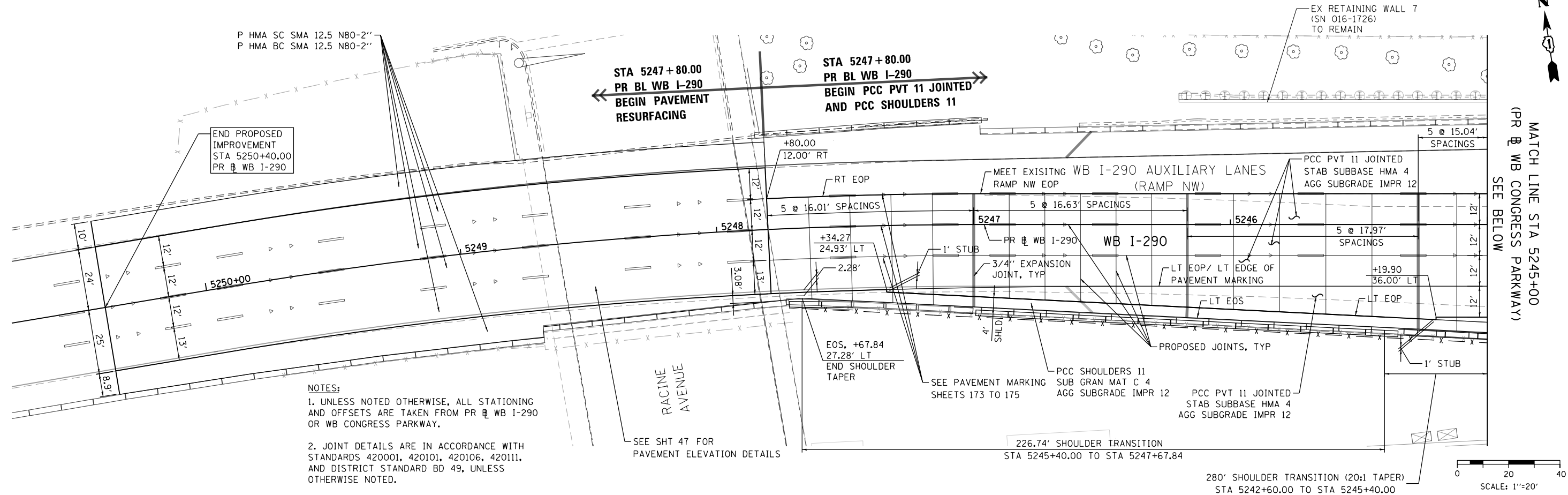
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GORE GRADING DETAILS
RAMP SW AND WB I-290

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

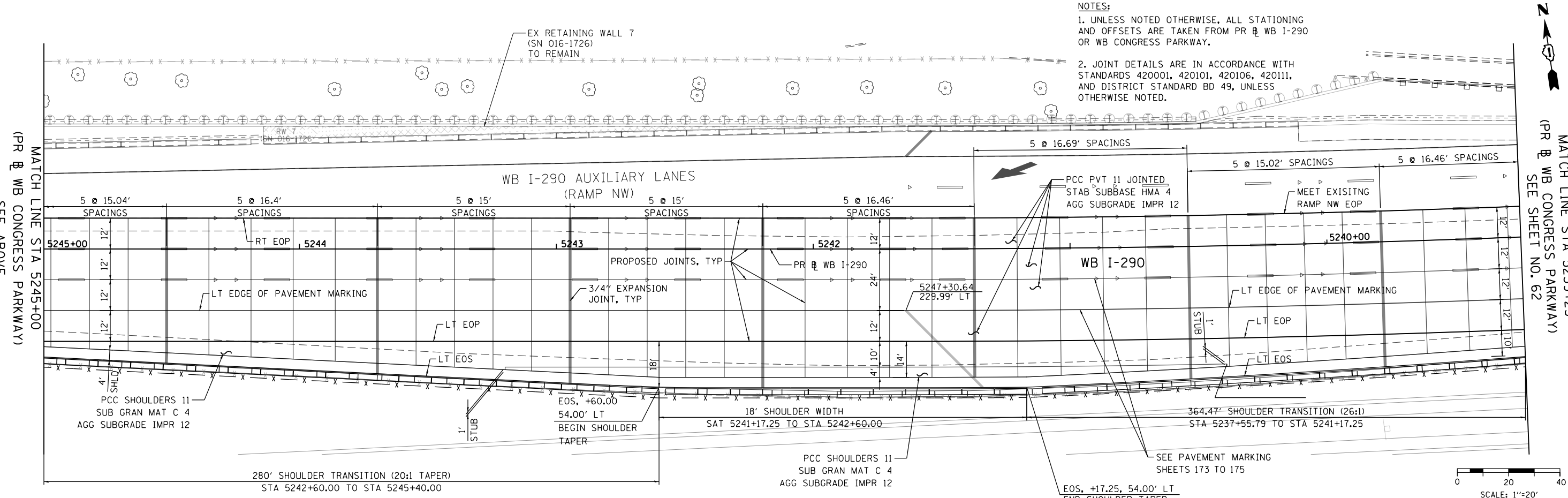
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	60
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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NOTES:
 1. UNLESS NOTED OTHERWISE, ALL STATIONING AND OFFSETS ARE TAKEN FROM PR & WB I-290 OR WB CONGRESS PARKWAY.
 2. JOINT DETAILS ARE IN ACCORDANCE WITH STANDARDS 420001, 420101, 420106, 420111, AND DISTRICT STANDARD BD 49, UNLESS OTHERWISE NOTED.

NOTES:
 1. UNLESS NOTED OTHERWISE, ALL STATIONING AND OFFSETS ARE TAKEN FROM PR & WB I-290 OR WB CONGRESS PARKWAY.
 2. JOINT DETAILS ARE IN ACCORDANCE WITH STANDARDS 420001, 420101, 420106, 420111, AND DISTRICT STANDARD BD 49, UNLESS OTHERWISE NOTED.



280' SHOULDER TRANSITION (20:1 TAPER)
 STA 5242+60.00 TO STA 5245+40.00

EOS, +17.25, 54.00' LT
 END SHOULDER TAPER



D168777-SHT-Jointing-01.dgn
 USER NAME = chtw
 PLOT SCALE = 48.0000' / in.
 PLOT DATE = 4/28/2016

DESIGNED - OPS	REVISED -
DRAWN - ZND	REVISED -
CHECKED - DBM	REVISED -
DATE - 4/27/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

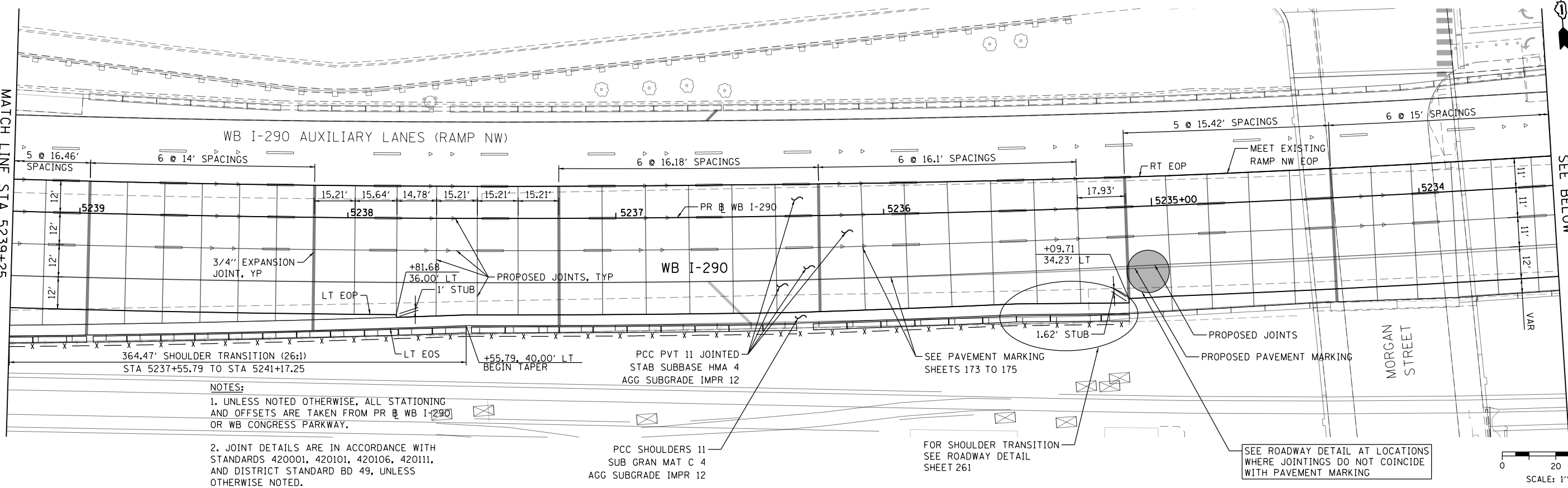
JOINTING AND PCC PAVEMENT DETAIL PLAN

SCALE: 1"=20' SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-003R&B	COUNTY COOK	TOTAL SHEETS 431	SHEET NO. 61
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

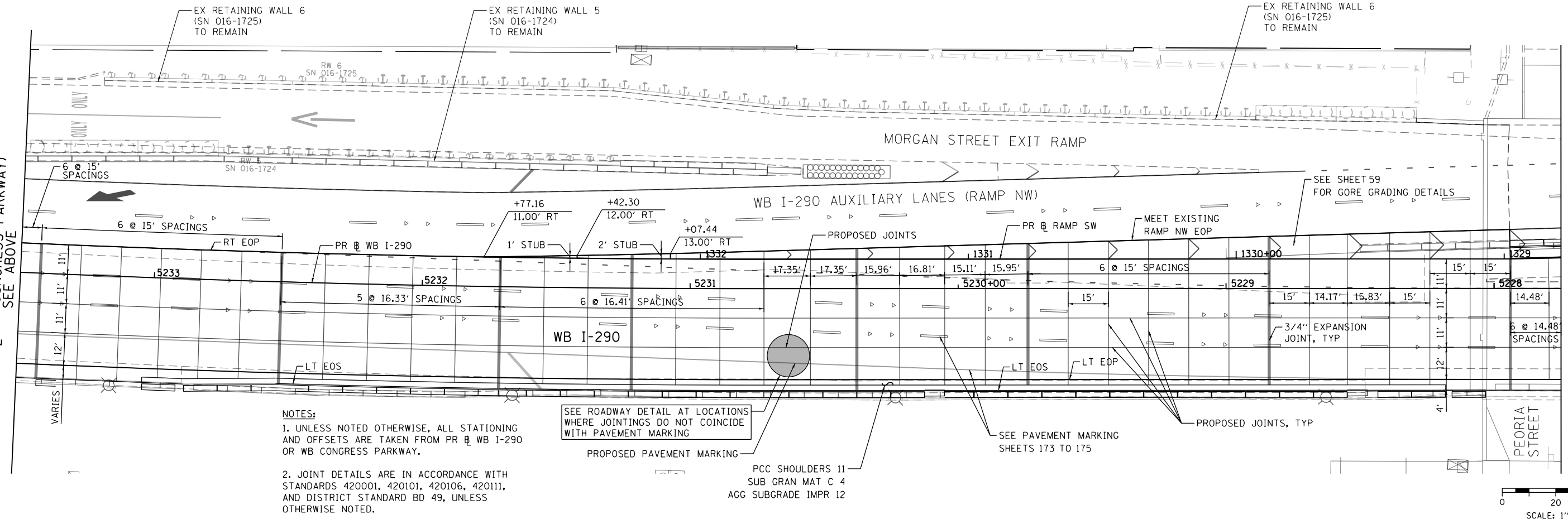
MATCH LINE STA 5239+25
(PR & WB CONGRESS PARKWAY)
SEE SHEET NO. 61

MATCH LINE STA 5233+50
(PR & WB CONGRESS PARKWAY)
SEE BELOW



MATCH LINE STA 5233+50
(PR & WB CONGRESS PARKWAY)
SEE ABOVE

MATCH LINE STA 5227+75
(PR & WB CONGRESS PARKWAY)
SEE SHEET NO. 63



D:\617479-PM\T\ascom\line\local\AECOM_D592_MN\Documents\01_Americas\T\ascom\station\60269938_Circle\Phase_11\006_CAD\006_Roadway\Sheets\60X77_Contract\0160X77-SHT-Jointing-02.dgn
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PLOT DATE = 4/28/2016

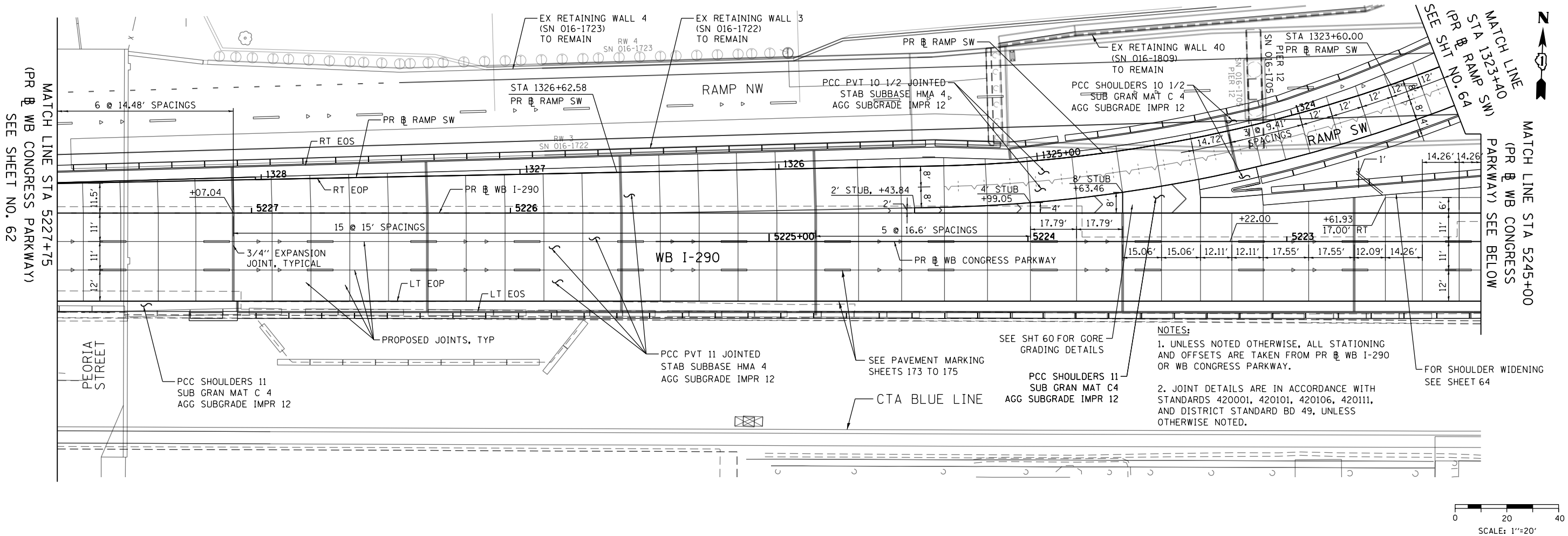
DESIGNED - OPS	REVISED -
DRAWN - ZND	REVISED -
CHECKED - DBM	REVISED -
DATE - 4/27/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

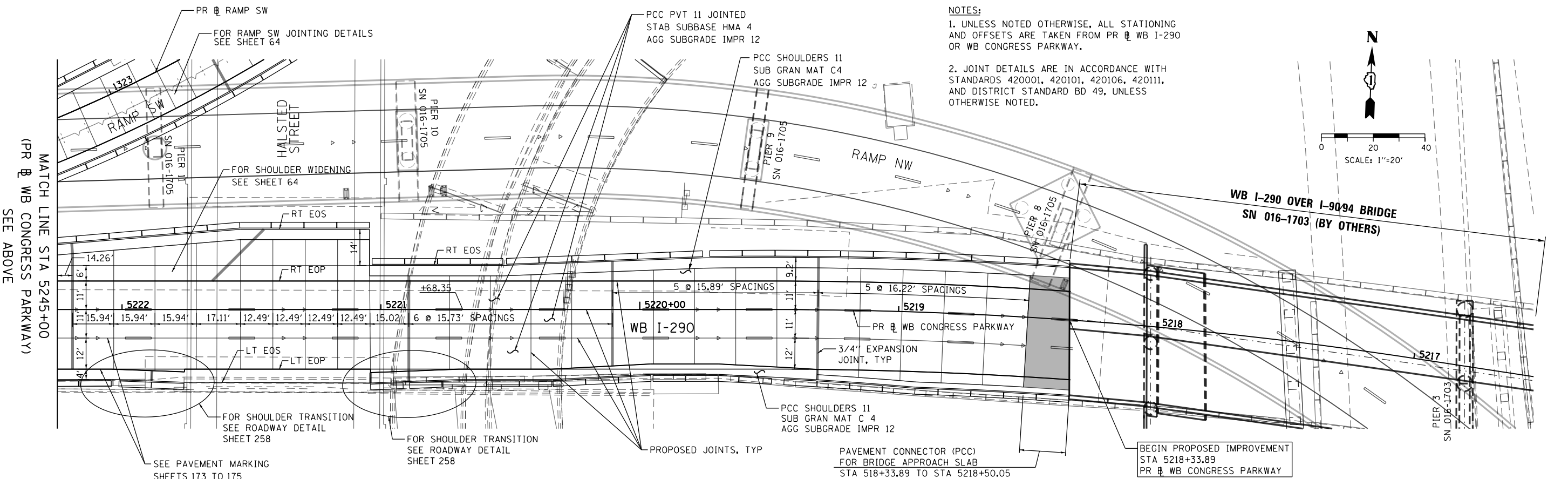
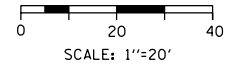
JOINTING AND PCC PAVEMENT DETAIL PLAN
SCALE: 1"=20' SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-003R&B	COUNTY COOK	TOTAL SHEETS 431	SHEET NO. 62
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

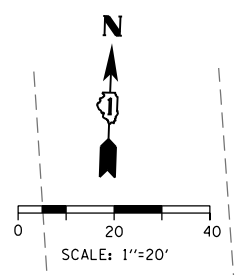
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NOTES:
 1. UNLESS NOTED OTHERWISE, ALL STATIONING AND OFFSETS ARE TAKEN FROM PR WB I-290 OR WB CONGRESS PARKWAY.
 2. JOINT DETAILS ARE IN ACCORDANCE WITH STANDARDS 420001, 420101, 420106, 420111, AND DISTRICT STANDARD BD 49, UNLESS OTHERWISE NOTED.



NOTES:
 1. UNLESS NOTED OTHERWISE, ALL STATIONING AND OFFSETS ARE TAKEN FROM PR WB I-290 OR WB CONGRESS PARKWAY.
 2. JOINT DETAILS ARE IN ACCORDANCE WITH STANDARDS 420001, 420101, 420106, 420111, AND DISTRICT STANDARD BD 49, UNLESS OTHERWISE NOTED.



D160X77-SHT-Jointing-03.dgn
 USER NAME = PIMSARN0
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 4/28/2016

DESIGNED - OPS	REVISED -
DRAWN - ZND	REVISED -
CHECKED - DBM	REVISED -
DATE - 4/27/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

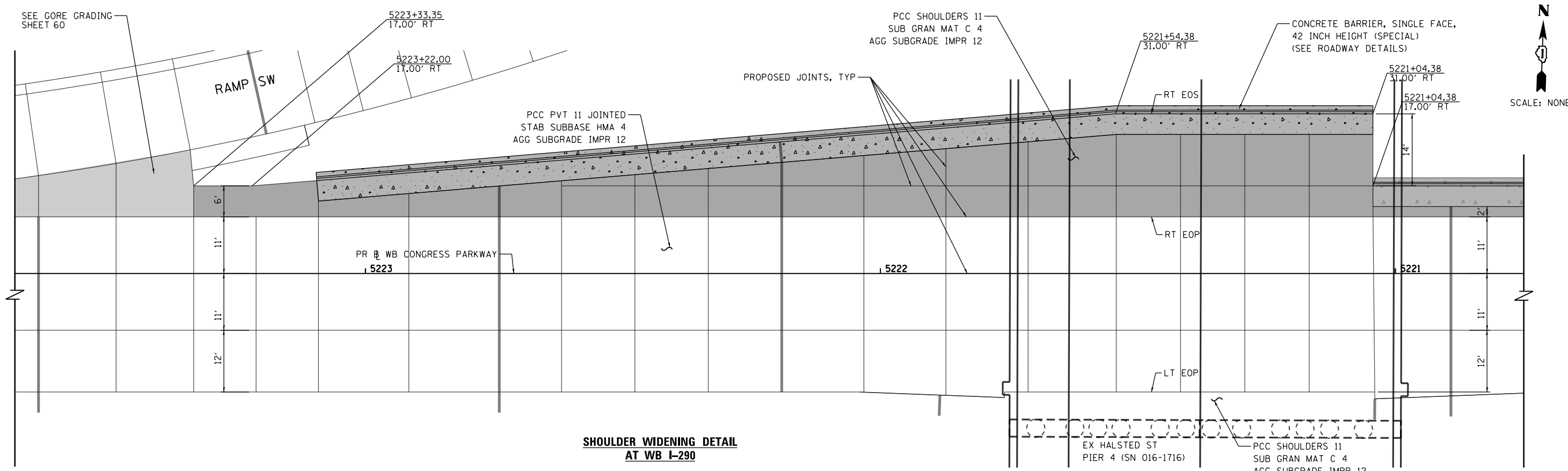
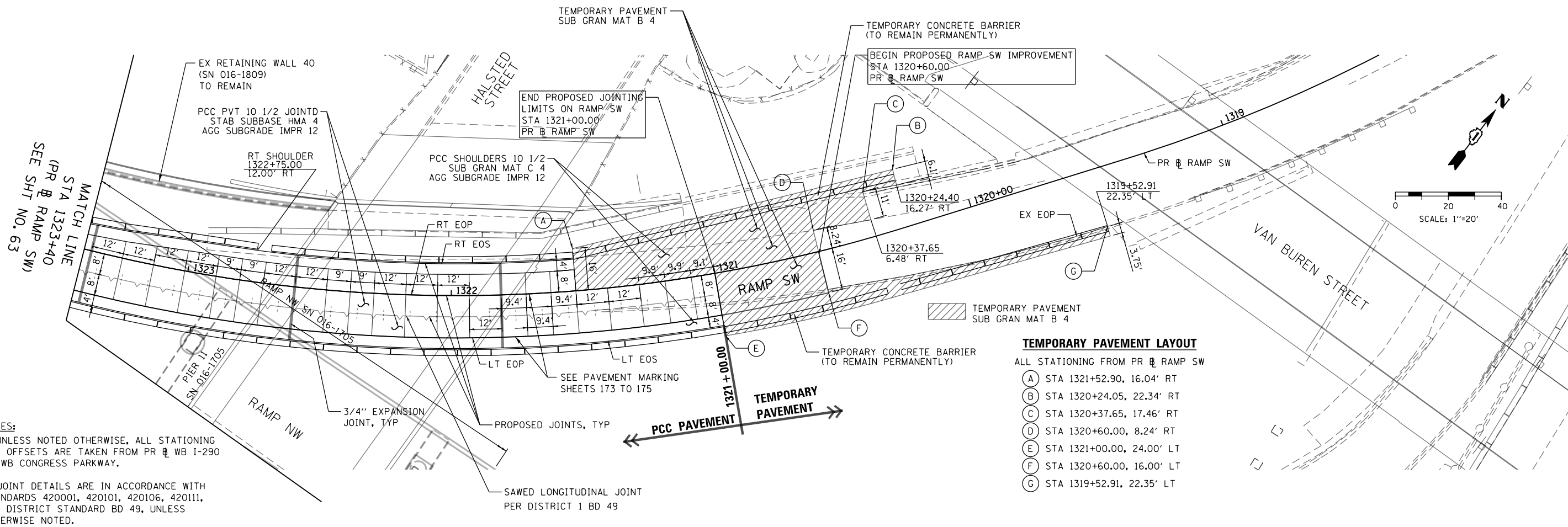
JOINTING AND PCC PAVEMENT DETAIL PLAN

SCALE: 1"=20' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	63
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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D160X77-SHT-Jointing-04.dgn
 USER NAME = PIMSARNQ
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 4/28/2016

DESIGNED - OPS
 DRAWN - ZND
 CHECKED - DBM
 DATE - 4/27/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

JOINTING AND PCC PAVEMENT DETAIL PLAN

SCALE: 1"=20' SHEET 4 OF 4 SHEETS STA. TO STA.

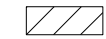


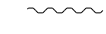
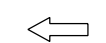
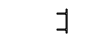
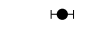
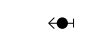

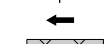


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	64
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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" × 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. 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.
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 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 OR 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. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND REPLACE ALL REFLECTORS FROM EXISTING RAISED REFLECTIVE PAVEMENT MARKERS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLANS. THIS WORK SHALL BE PAID FOR AS RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL.
22. 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.
23. ADDITIONAL ESTIMATED QUANTITIES FOR VARIOUS MAINTENANCE OF TRAFFIC ITEMS HAVE BEEN INCLUDED IN THE CONTRACT FOR THE PURPOSE OF SUPPLEMENTING MAINTENANCE OF TRAFFIC OPERATIONS AND FOR MAINTENANCE OF DETOUR ROUTES. 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.
24. 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, (SPECIAL). 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, (SPECIAL).
25. 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.
26. ALL TEMPORARY INFORMATION SIGNS SHALL HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.

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 |
|  | REMOVAL LIMITS |
|  | TEMPORARY PAVEMENT |

SIGN DETAIL



BORDER
R=1.5"
TH=0.63"
IN=0.47"


Panel Style: construction_guide.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	name
WIDTH x HGT.	5'-0" x 3'-0"
BORDER WIDTH	0.63"
CORNER RADIUS	1.5"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Orange
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)											LENGTH	SERIESIZE
E	X	I	T		2	B						C 2000
14.7	18.3	22.7	24.4	27.5	33.5	37.5	41.9				30.5	6
A	S	H	L	A	N	D		A	V	E		C 2000
6.3	10.7	15.1	19.7	23.2	27.8	32.5	35.9	41.9	46.1	50.6	47.4	6
K	E	E	P		R	I	G	H	T			C 2000
9.9	14.3	18.4	22.5	25.8	31.8	36.2	38.3	42.8	47		40.1	6

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - GENERAL NOTES AND LEGEND				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
SCALE: NONE				90/94/290	2014-003R&B	COOK	431	65	
SHEET 1 OF 1 SHEETS				CONTRACT NO. 60X77				ILLINOIS FED. AID PROJECT	

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SCHEDULE

SHEET	ROADWAY/STATION	TEMPORARY EPOXY PAVEMENT MARKING - LINE 4"	TEMPORARY EPOXY PAVEMENT MARKING - LINE 5"	TEMPORARY EPOXY PAVEMENT MARKING - LINE 8"	TEMPORARY EPOXY PAVEMENT MARKING - LINE 12"	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	PINNING TEMPORARY CONCRETE BARRIER	TEMPORARY PAVEMENT	TEMPORARY PAVEMENT (VARIABLE DEPTH)	SUBBASE GRANULAR MATERIAL, TYPE B 4"	BITUMINOUS MATERIALS (TACK COAT)	PROTECTIVE COAT	PAVEMENT REMOVAL	TEMPORARY INFORMATION SIGNING	BARRIER WALL REFLECTORS, TYPE C	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL
		FOOT	FOOT	FOOT	SO YD	FOOT	FOOT	FOOT	EACH	EACH	SO FT	EACH	SO YD	TON	SO YD	POUND	SO YD	SO YD	SO FT	EACH	SO YD	EACH
STAGE 1A																						
1	LOOMIS ST TO 318+50	353	53	759	40	0	0.0	0.0	0	0	267	0	0	0	0	0	0	0	0	0	0	22
2	318+50 TO 5240+00	4,780	379	1,266	287	2138	2137.5	0.0	0	0	3,399	513	0	0	0	0	0	0	32	171	0	99
3	5240+00 TO 5225+00	5,596	377	109	0	3125	3125.0	0.0	1	0	3,311	750	0	134	0	357	0	397	0	250	100	113
4	5225+00 TO 18+00	2,986	167	985	48	1075	1075.0	0.0	3	0	2,179	258	0	0	0	0	0	0	0	86	0	65
5	18+00 TO MONROE ST	461	0	0	0	100	100.0	0.0	1	0	154	24	0	0	0	0	0	0	0	8	0	0
9	188+00 TO 203+00	97	0	577	0	0	0.0	0.0	0	0	233	0	0	0	0	0	0	0	0	0	0	0
10	203+00 TO 11+00	512	0	1,040	0	0	0.0	0.0	0	0	683	0	0	0	0	0	0	0	0	0	0	0
STAGE 1B																						
1	LOOMIS ST TO 318+50	253	215	0	0	0	0.0	0.0	0	0	646	0	0	0	0	0	0	0	0	0	0	0
2	318+50 TO 5240+00	1,789	769	183	0	1075	0.0	1,075.0	0	0	2,231	258	0	0	0	0	0	0	32	86	0	0
3	5240+00 TO 5225+00	2,081	375	1,837	312	1513	0.0	1,512.5	0	0	1,320	363	0	23	0	59	0	66	0	121	0	0
4	5225+00 TO 18+00	287	60	127	0	200	0.0	200.0	0	0	191	48	0	0	0	0	0	0	0	16	0	0
5	18+00 TO MONROE ST	0	0	0	0	0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STAGE 1C																						
1	LOOMIS ST TO 318+50	628	64	550	28	0	0.0	0.0	0	0	175	0	0	0	0	0	0	0	0	0	0	0
2	318+50 TO 5240+00	5,106	356	845	276	1988	1075.0	912.5	1	0	1,251	477	0	0	0	0	0	0	32	159	0	0
3	5240+00 TO 5225+00	413	0	1,332	84	275	175.0	100.0	1	0	258	63	0	0	0	0	0	0	30	21	0	0
4	5225+00 TO 18+00	0	0	0	0	0	0.0	0.0	0	0	0	0	787	0	787	1,416	787	0	30	0	0	0
5	18+00 TO MONROE ST	0	0	0	0	0	0.0	0.0	0	0	0	0	13	0	13	23	13	0	0	0	0	0
STAGE 2A																						
1	LOOMIS ST TO 318+50	375	69	0	0	0	0.0	0.0	0	0	520	0	0	0	0	0	0	0	0	0	0	0
2	318+50 TO 5240+00	1,510	378	0	0	1850	0.0	1,075.0	0	0	2,067	258	0	0	0	0	0	0	32	86	0	0
3	5240+00 TO 5225+00	2,184	376	287	33	1838	775.0	1,200.0	0	0	1,824	474	0	0	0	0	0	66	0	158	0	0
4	5225+00 TO 18+00	1,940	171	467	0	1025	637.5	1,000.0	0	1	1,021	390	0	0	0	0	0	0	0	130	0	0
5	18+00 TO MONROE ST	215	0	0	0	100	25.0	100.0	1	0	79	27	0	0	0	0	0	0	0	9	0	0
STAGE 2B																						
1	LOOMIS ST TO 318+50	374	94	0	0	0	0.0	0.0	0	0	429	0	0	0	0	0	0	0	0	0	0	0
2	318+50 TO 5240+00	3,430	530	1,132	114	363	0.0	362.5	0	1	3,673	87	0	0	0	0	0	0	0	29	0	0
3	5240+00 TO 5225+00	4,456	356	1,434	85	113	0.0	112.5	0	0	5,502	27	0	0	0	0	0	0	0	9	0	0
4	5225+00 TO 18+00	1,458	0	0	0	800	0.0	800.0	0	0	2,105	192	0	0	0	0	0	787	0	64	0	0
5	18+00 TO MONROE ST	306	0	0	0	113	0.0	112.5	0	0	174	27	0	0	0	0	0	13	0	9	0	0
9	188+00 TO 203+00	0	0	0	0	0	0.0	0.0	0	0	417	0	0	0	0	0	0	0	0	0	0	0
10	203+00 TO 11+00	0	0	0	0	0	0.0	0.0	0	0	845	0	0	0	0	0	0	0	0	0	0	0
TOTALS		41,590	4,789	12,930	1,307	17,688	9125.0	8562.5	8	2	34,954	4,236	800	157	800	1,855	800	1,329	188	1,412	100	299
ALLOWANCE		6,239	719	1,940	197	2,654	1875.0	1287.5	2	1	5,244	636	120	24	120	279	120	200	300	212	15	45
TOTALS WITH ALLOWANCE		47,829	5,508	14,870	1,504	20,342	11,000.0	9850.0	10	3	40,198	4,872	920	181	920	2,134	920	1,529	488	1,624	115	344
ROUNDED TOTALS		47,829	5,508	14,870	1,504	20,342	11,000.0	9850.0	10	3	40,198	4,872	920	181	920	2,134	920	1,529	488	1,624	115	344

(1) (1)

- NOTE:
 (1) ADDED FOR ALLOWANCE FOR FIELD ADJUSTMENT.
 (1) SEE ROADWAY AND REMOVAL SCHEDULES FOR ADDITIONAL QUANTITIES.

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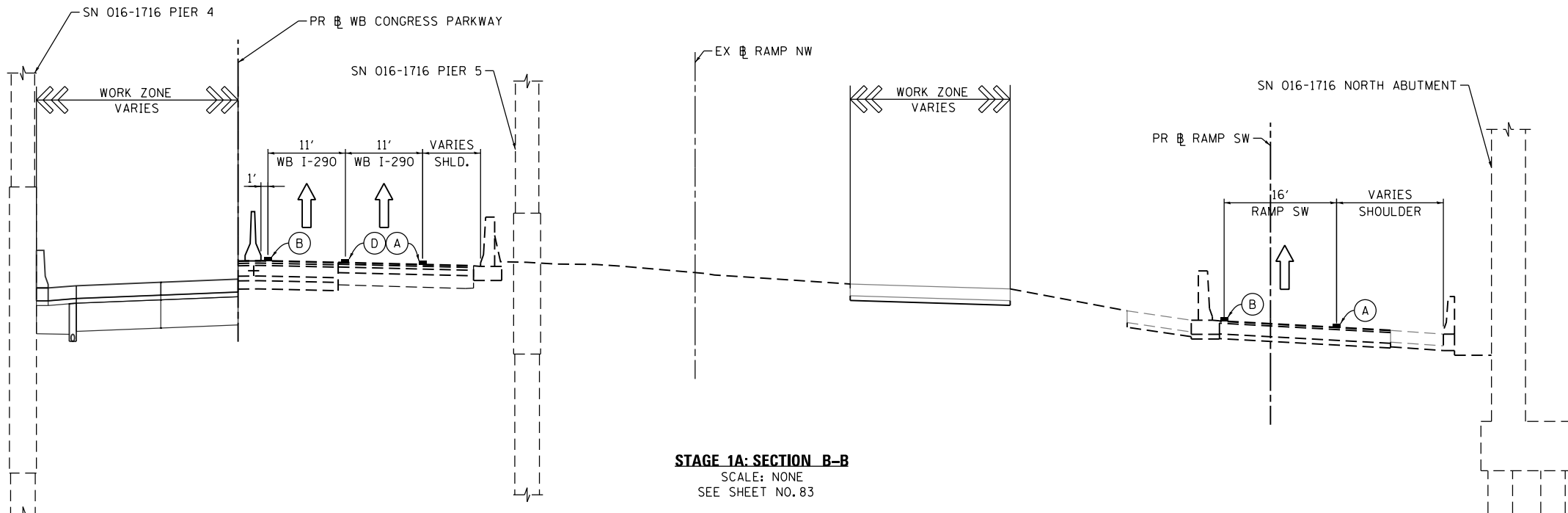
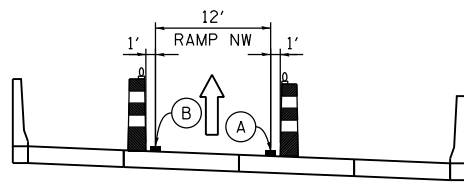
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 DEPARTMENT OF TRANSPORTATION**

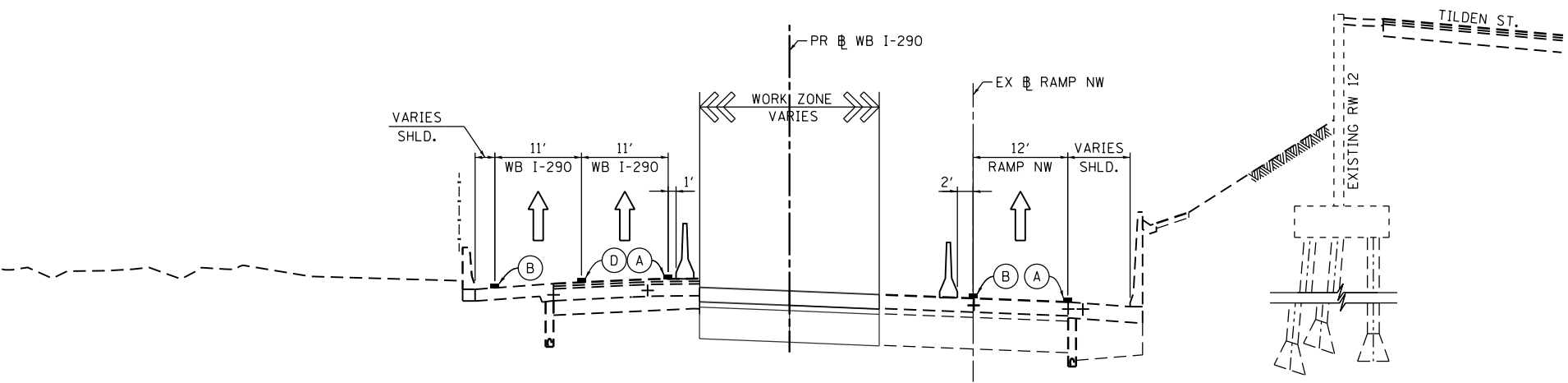
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SCHEDULE
 SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	66
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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STAGE 1A: SECTION B-B
SCALE: NONE
SEE SHEET NO. 83



STAGE 1A: SECTION A-A
SCALE: NONE
SEE SHEET NO. 82

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)

-  TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHT
-  TEMPORARY CONCRETE BARRIER
-  REMOVAL LIMITS
-  TEMPORARY PAVEMENT
- * FROM PREVIOUS STAGE TO REMAIN



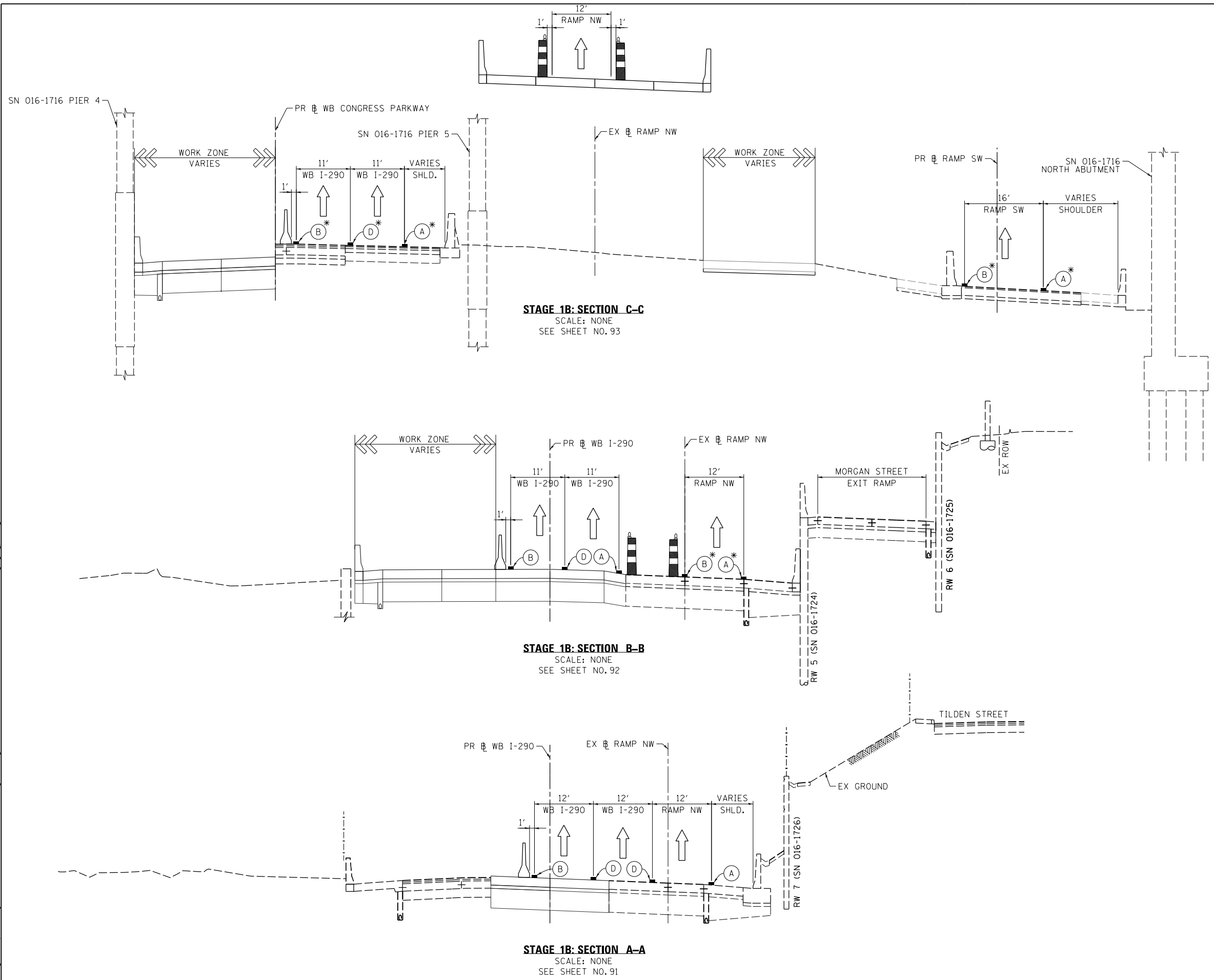
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN			
WB I-290 STAGE 1A TYPICAL SECTIONS			
SCALE: NONE	SHEET 1 OF 5 SHEETS	STA. TO STA.	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	68
CONTRACT NO. 60X77				
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 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)
-
- TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHT
 - TEMPORARY CONCRETE BARRIER
 - REMOVAL LIMITS
 - TEMPORARY PAVEMENT
 - * FROM PREVIOUS STAGE TO REMAIN



016077-Sht-Staging-Typ-02.dgn
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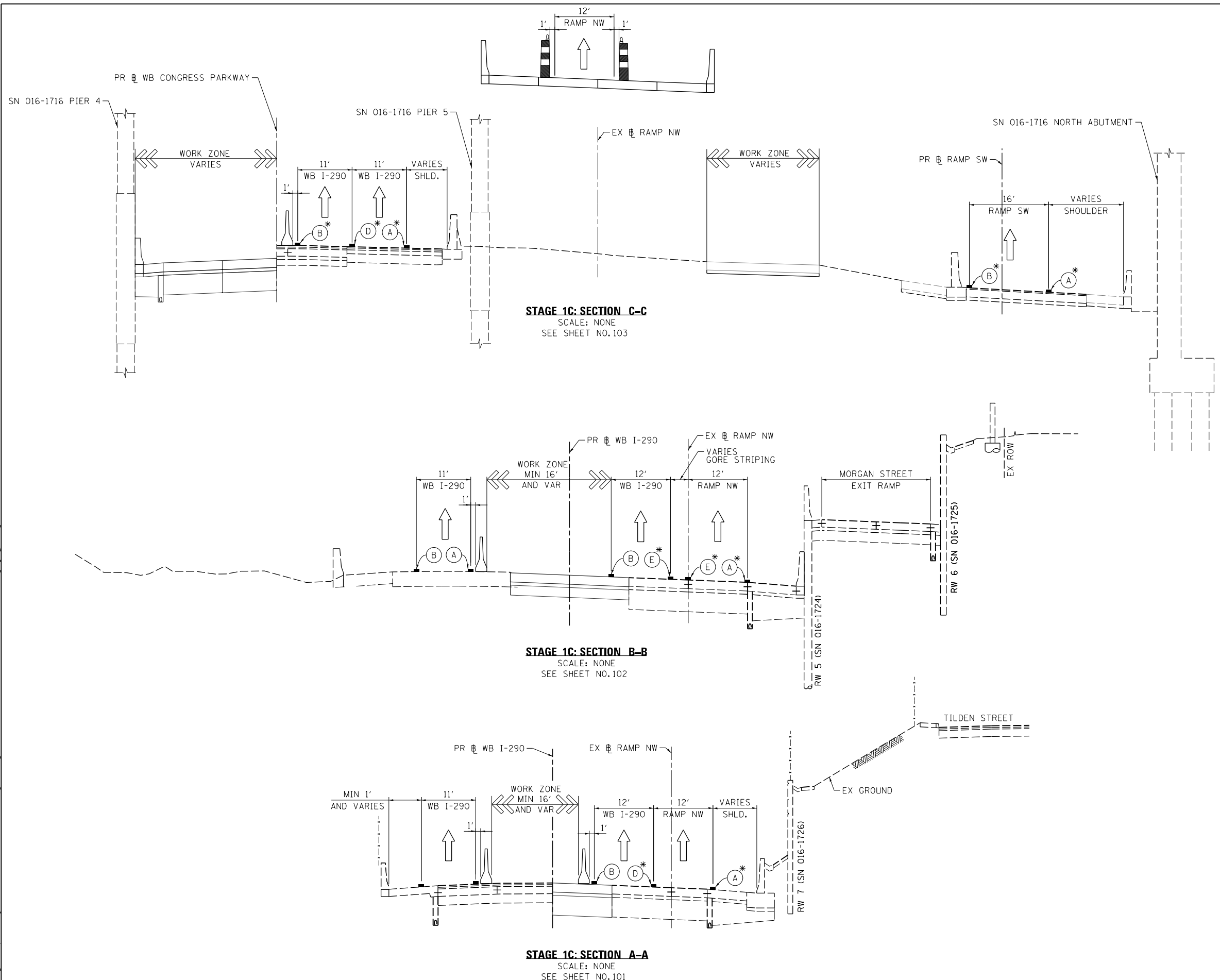
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
 WB I-290 STAGE 1B TYPICAL SECTIONS**

SCALE: NONE SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	69
CONTRACT NO. 60X77				
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 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)

- TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHT
- TEMPORARY CONCRETE BARRIER
- REMOVAL LIMITS
- TEMPORARY PAVEMENT
- * FROM PREVIOUS STAGE TO REMAIN

STAGE 1C: SECTION C-C
SCALE: NONE
SEE SHEET NO.103

STAGE 1C: SECTION B-B
SCALE: NONE
SEE SHEET NO.102

STAGE 1C: SECTION A-A
SCALE: NONE
SEE SHEET NO.101



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REVISED -

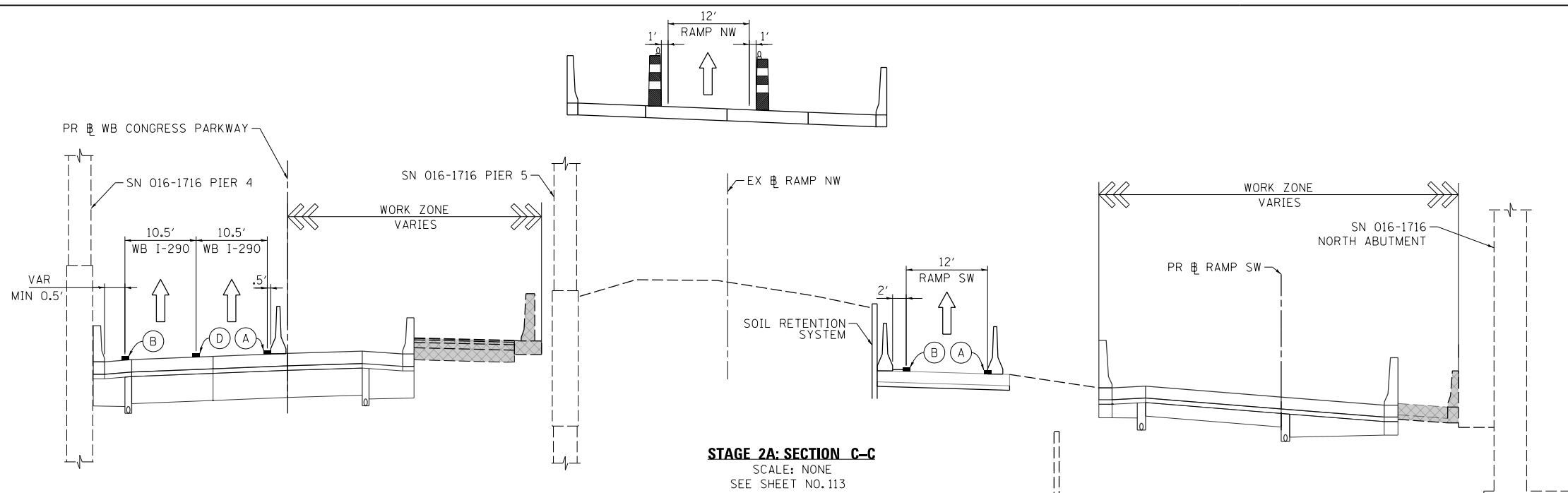
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
WB I-290 STAGE 1C TYPICAL SECTIONS**

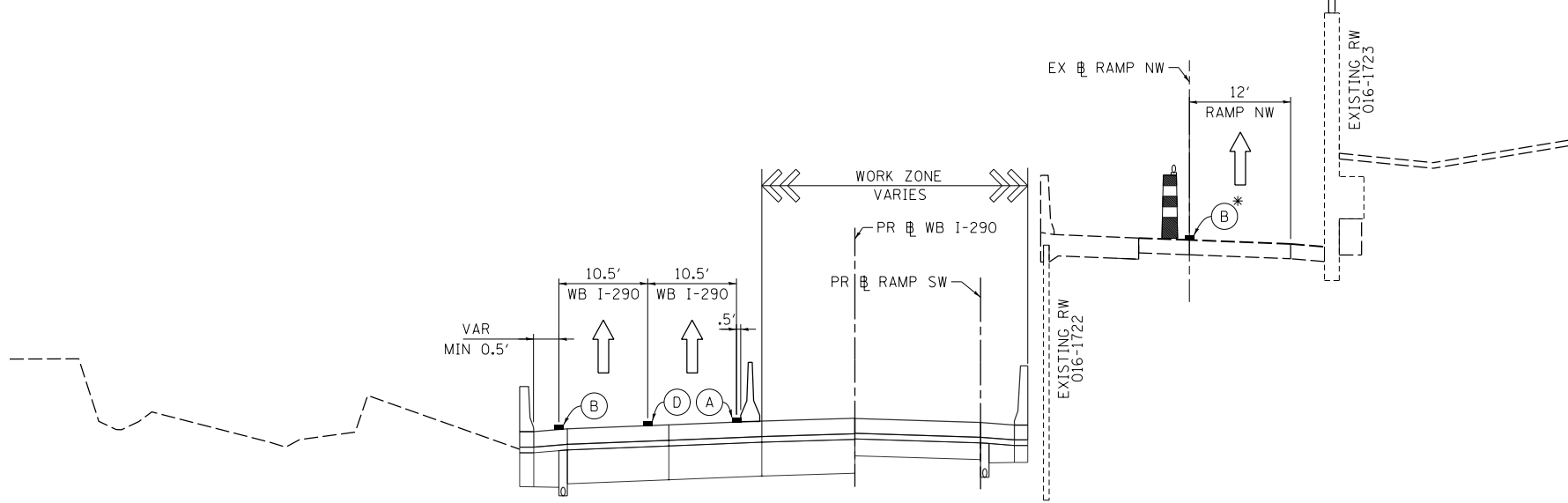
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	70
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

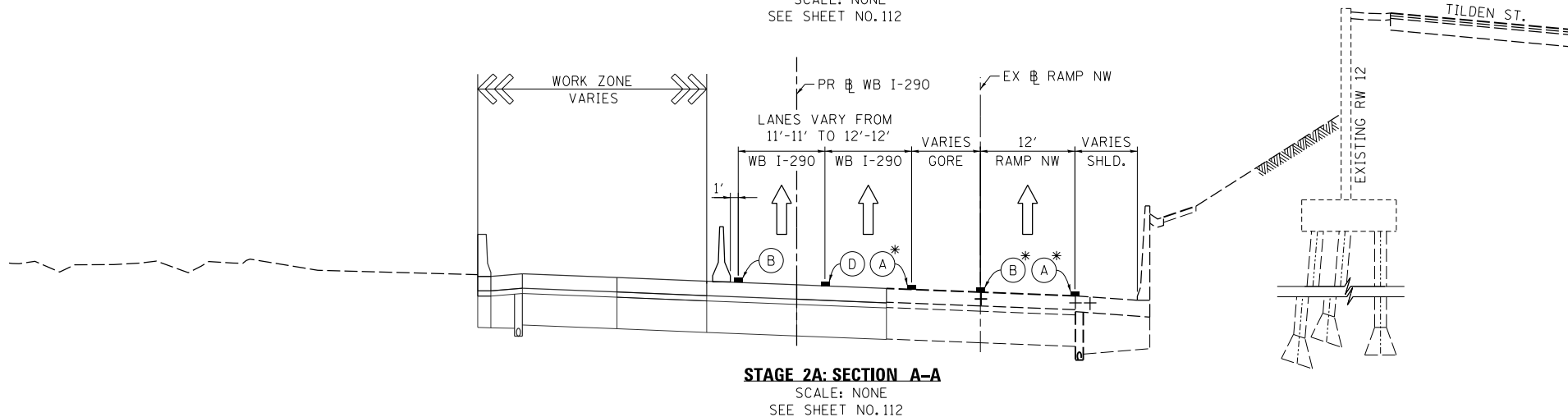
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STAGE 2A: SECTION C-C
SCALE: NONE
SEE SHEET NO. 113







STAGE 2A: SECTION B-B
SCALE: NONE
SEE SHEET NO. 112



STAGE 2A: SECTION A-A
SCALE: NONE
SEE SHEET NO. 112

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)

-  TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHT
-  TEMPORARY CONCRETE BARRIER
-  REMOVAL LIMITS
-  TEMPORARY PAVEMENT
- * FROM PREVIOUS STAGE TO REMAIN



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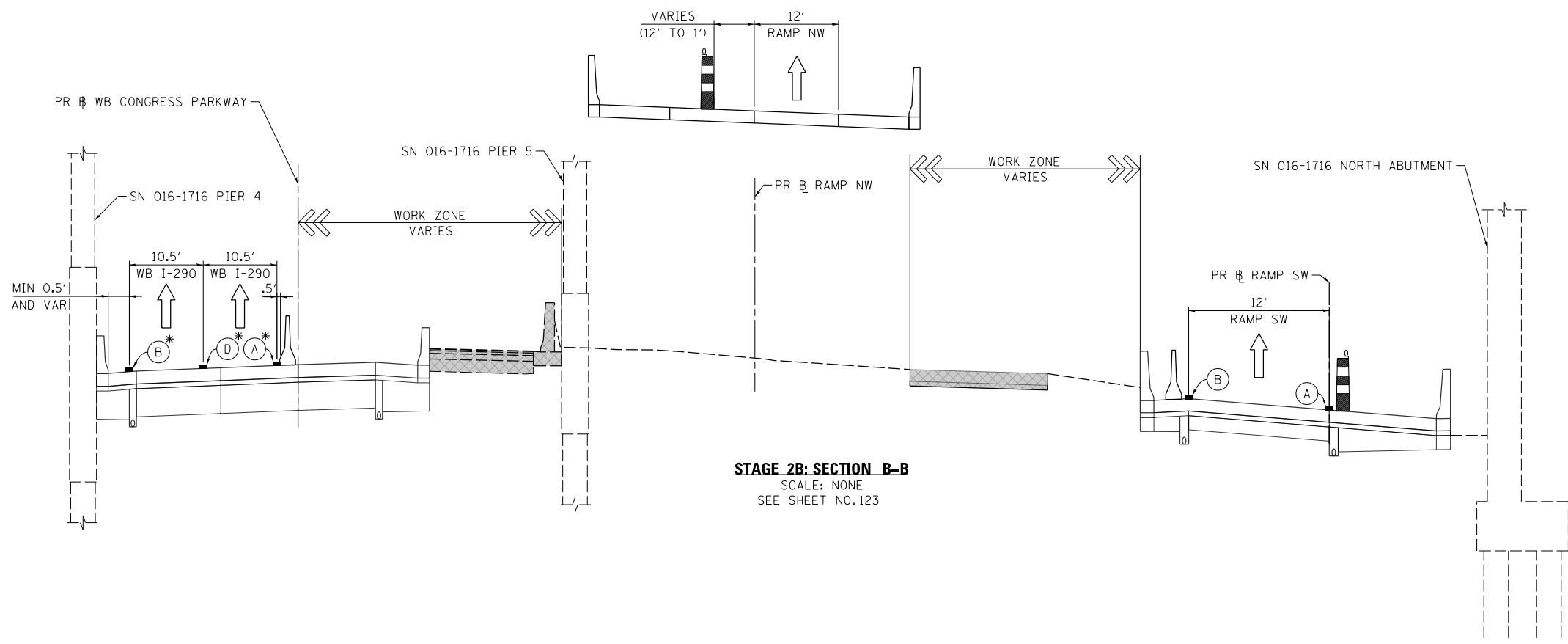
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
WB I-290 STAGE 2A TYPICAL SECTIONS**

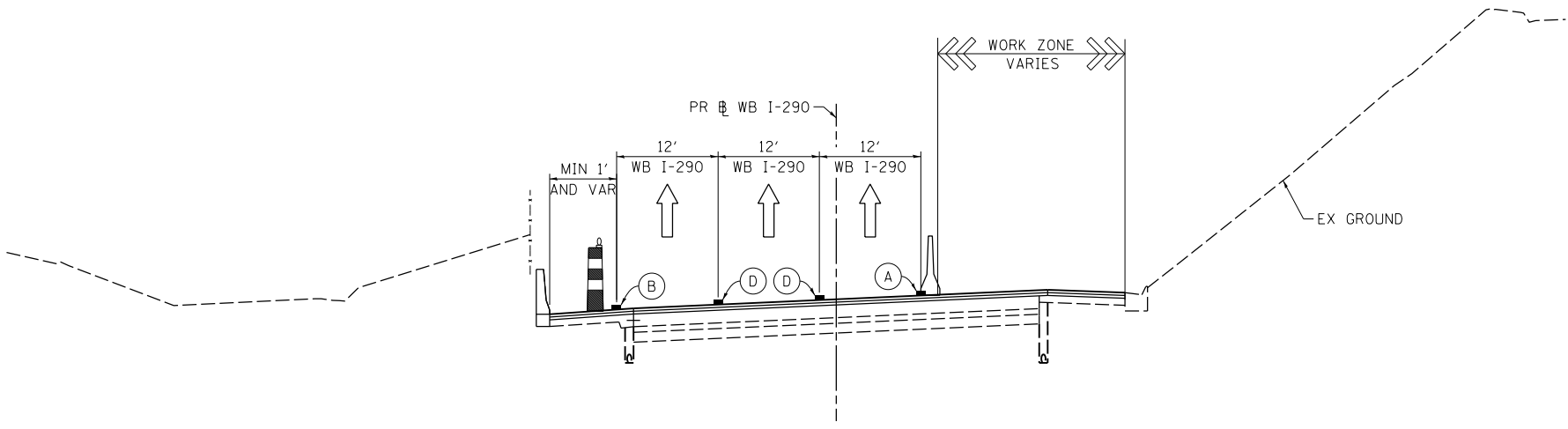
SCALE: NONE SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	71
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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STAGE 2B: SECTION B-B
SCALE: NONE
SEE SHEET NO. 123



STAGE 2B: SECTION A-A
SCALE: NONE
SEE SHEET NO. 121

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)

-  TYPE II BARRICADES OR DRUMS WITH STEADY BURN LIGHT
-  TEMPORARY CONCRETE BARRIER
-  REMOVAL LIMITS
-  TEMPORARY PAVEMENT
- * FROM PREVIOUS STAGE TO REMAIN



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

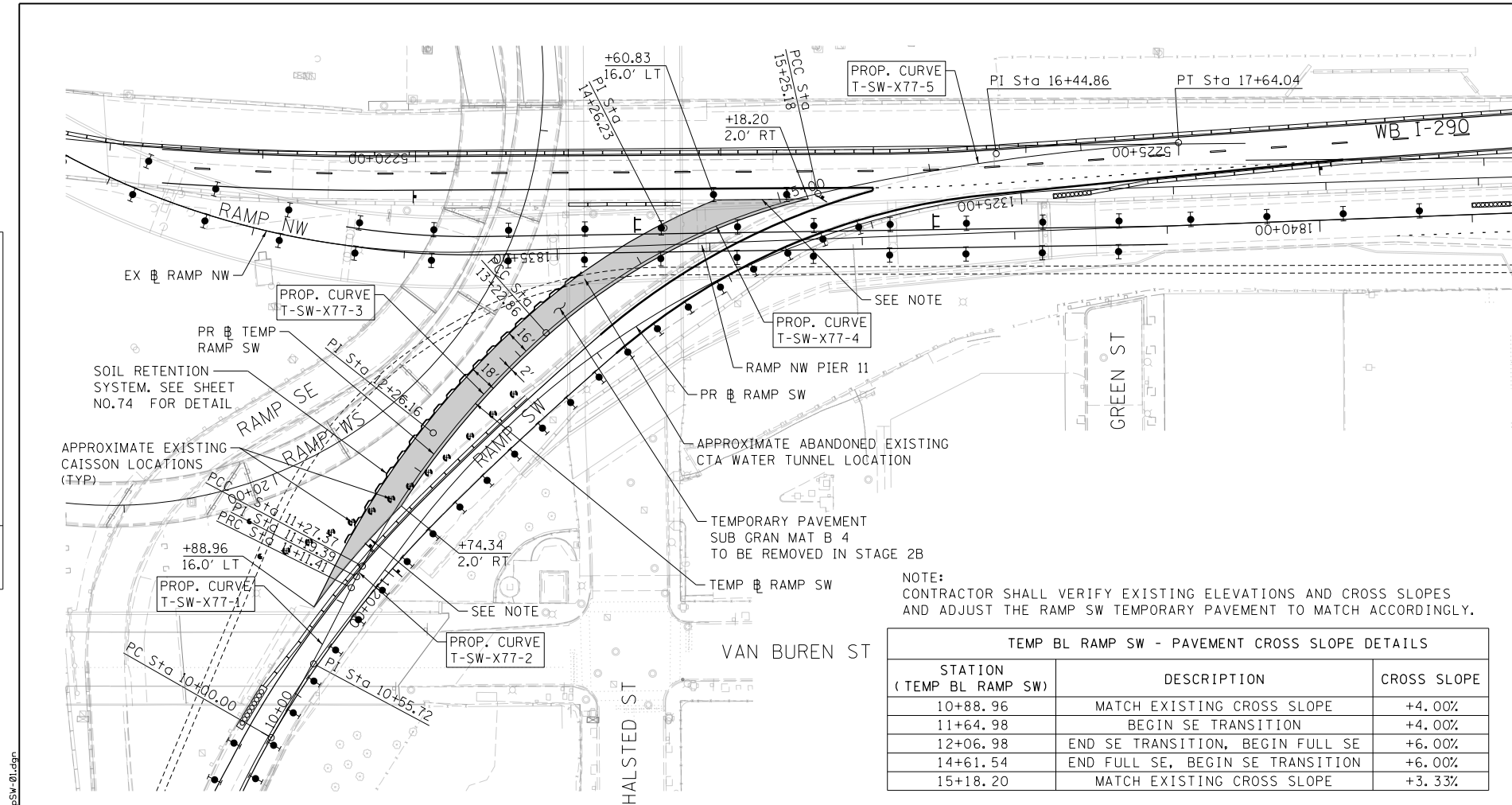
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
WB I-290 STAGE 2B TYPICAL SECTIONS**

SCALE: NONE	SHEET 5 OF 5 SHEETS	STA. TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	72
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	FILED
NOTE BOOK NO.	
CARD FILE NAME	

DATE	
BY	
PROFILE	SURVEYED
	GRADES CHECKED
	STRUCTURE NOTATIONS OK'D
NOTE BOOK NO.	
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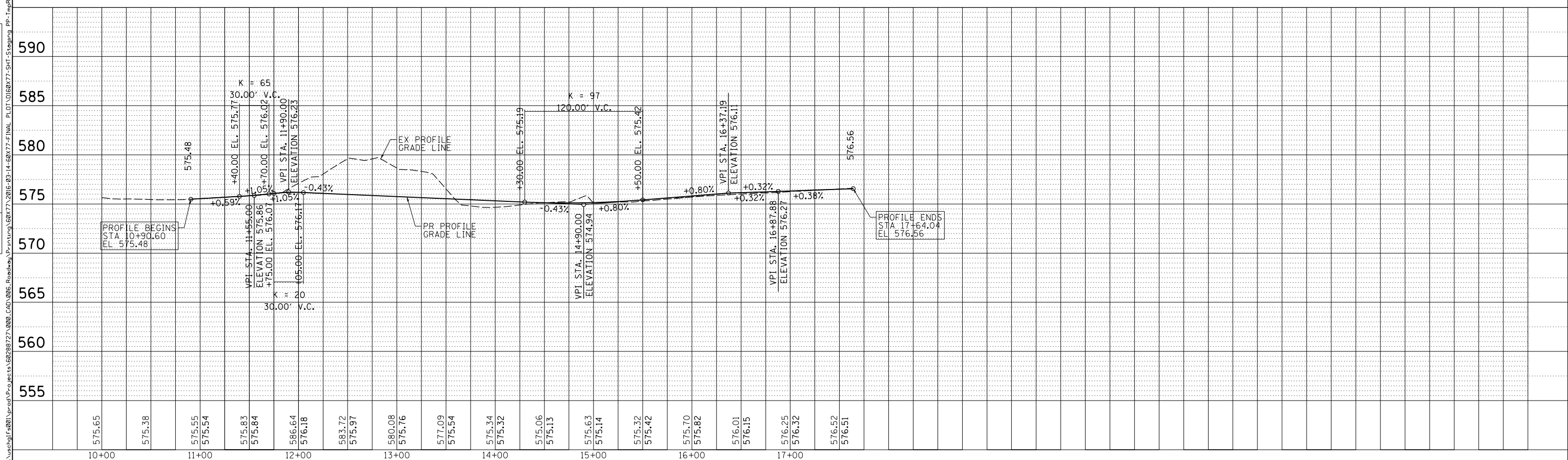
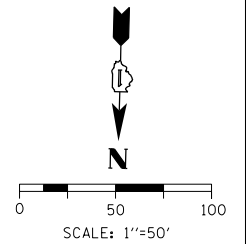
PROP. CURVE T-SW-X77-1 PI STA. = 10+55.72 $\Delta = 3^\circ 27' 40''$ (LT) $D = 3^\circ 06' 24''$ $R = 1,844.26'$ $T = 55.72'$ $L = 111.41'$ $E = 0.84'$ $e = 4.00\%$ $T.R. = N/A$ $S.E. RUN = N/A$ $P.C. STA = 10+00.00$ $P.T. STA = 11+11.41$	PROP. CURVE T-SW-X77-2 PI STA. = 11+19.39 $\Delta = 1^\circ 39' 52''$ (RT) $D = 10^\circ 25' 42''$ $R = 549.43'$ $T = 7.98'$ $L = 15.96'$ $E = 0.06'$ $e = 4.00\%$ $T.R. = N/A$ $S.E. RUN = N/A$ $P.C. STA = 11+11.41$ $P.T. STA = 11+27.37$	PROP. CURVE T-SW-X77-3 PI STA. = 12+26.16 $\Delta = 20^\circ 23' 11''$ (RT) $D = 10^\circ 25' 42''$ $R = 549.43'$ $T = 98.79'$ $L = 195.49'$ $E = 8.81'$ $e = 6.00\%$ $T.R. = N/A$ $S.E. RUN = 42'$ $P.C. STA = 11+27.37$ $P.T. STA = 13+22.86$	PROP. CURVE T-SW-X77-4 PI STA. = 14+26.23 $\Delta = 28^\circ 58' 45''$ (RT) $D = 14^\circ 19' 26''$ $R = 400.00'$ $T = 103.37'$ $L = 202.31'$ $E = 13.14'$ $e = 6.00\%$ $T.R. = 32$ $S.E. RUN = 127$ $P.C. STA = 13+22.86$ $P.T. STA = 15+25.18$
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PROP. CURVE T-SW-X77-5 PI STA. = 16+44.86 $\Delta = 9^\circ 07' 26''$ (RT) $D = 3^\circ 49' 11''$ $R = 1,500.00'$ $T = 119.69'$ $L = 238.87'$ $E = 4.77'$ $e = NC$ $T.R. = N/A$ $S.E. RUN = N/A$ $P.C. STA = 15+25.18$ $P.T. STA = 17+64.04$

NOTE:
CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS AND CROSS SLOPES AND ADJUST THE RAMP SW TEMPORARY PAVEMENT TO MATCH ACCORDINGLY.

STATION (TEMP BL RAMP SW)	DESCRIPTION	CROSS SLOPE
10+88.96	MATCH EXISTING CROSS SLOPE	+4.00%
11+64.98	BEGIN SE TRANSITION	+4.00%
12+06.98	END SE TRANSITION, BEGIN FULL SE	+6.00%
14+61.54	END FULL SE, BEGIN SE TRANSITION	+6.00%
15+18.20	MATCH EXISTING CROSS SLOPE	+3.33%

POINT	DESCRIPTION	STATION	NORTHING	EASTING
PC	T-SW-X77-1	10+00.00	1,898,458.6647	1,171,344.8819
PI	T-SW-X77-1	10+55.72	1,898,409.6361	1,171,318.4060
PRC	T-SW-X77-1 / T-SW-X77-2	11+11.41	1,898,359.0986	1,171,294.9383
PI	T-SW-X77-2	11+19.39	1,898,351.8596	1,171,291.5768
PCC	T-SW-X77-2 / T-SW-X77-3	11+27.37	1,898,344.7213	1,171,288.0064
PI	T-SW-X77-3	12+26.16	1,898,256.3655	1,171,243.8134
PCC	T-SW-X77-3 / T-SW-X77-4	13+22.86	1,898,188.9387	1,171,171.6096
PI	T-SW-X77-4	14+26.23	1,898,118.3874	1,171,096.0599
PCC	T-SW-X77-4 / T-SW-X77-5	15+25.18	1,898,093.2726	1,170,995.7879
PI	T-SW-X77-5	16+44.86	1,898,064.1934	1,170,879.6880
PT	T-SW-X77-5	17+64.04	1,898,053.8923	1,170,760.4460

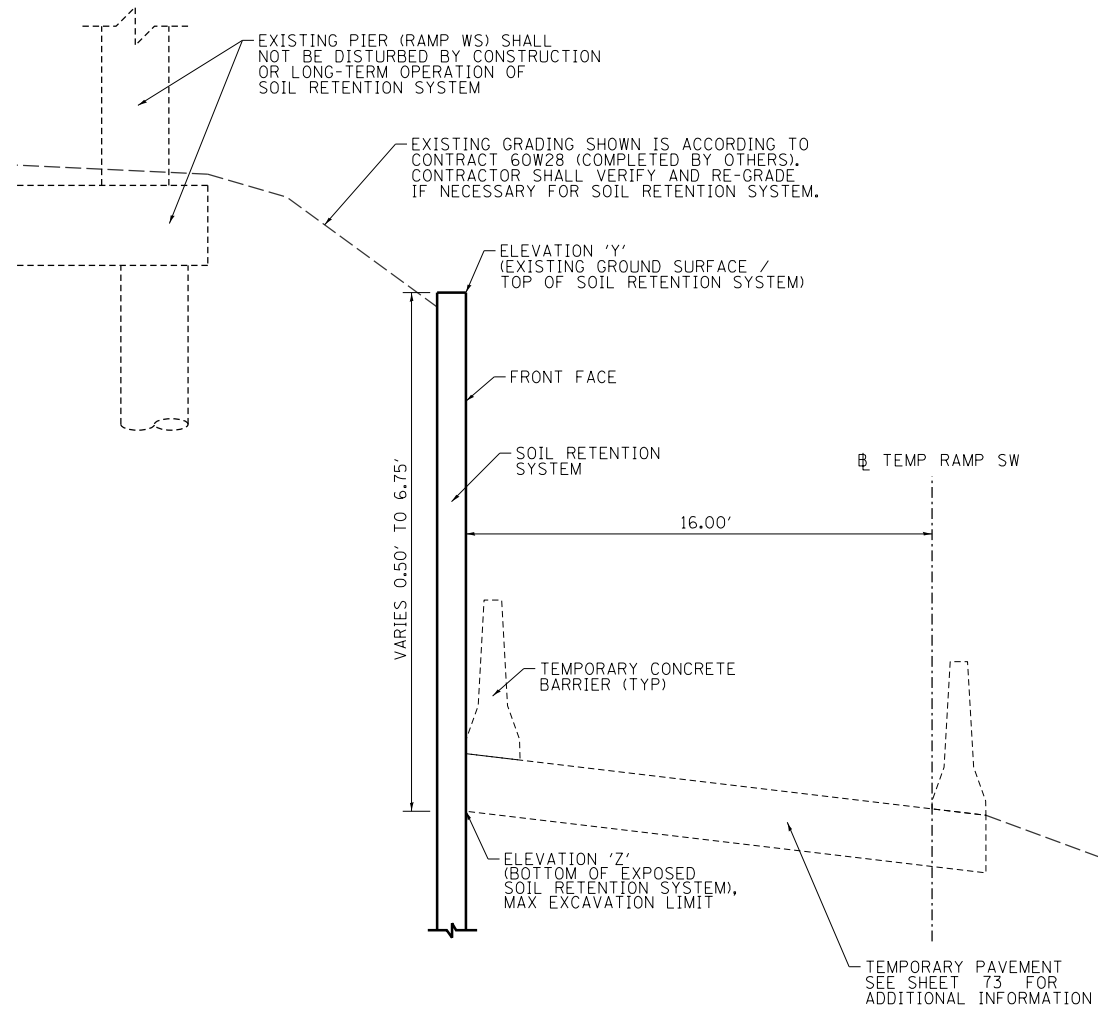


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ROADWAY PLAN AND PROFILE
TEMPORARY RAMP SW TIE IN AT WB I-290 (STAGE 1A-1C)
SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 10+00 TO STA. 17+64

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	73
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION
(LOOKING UPSTATION)

NOTES

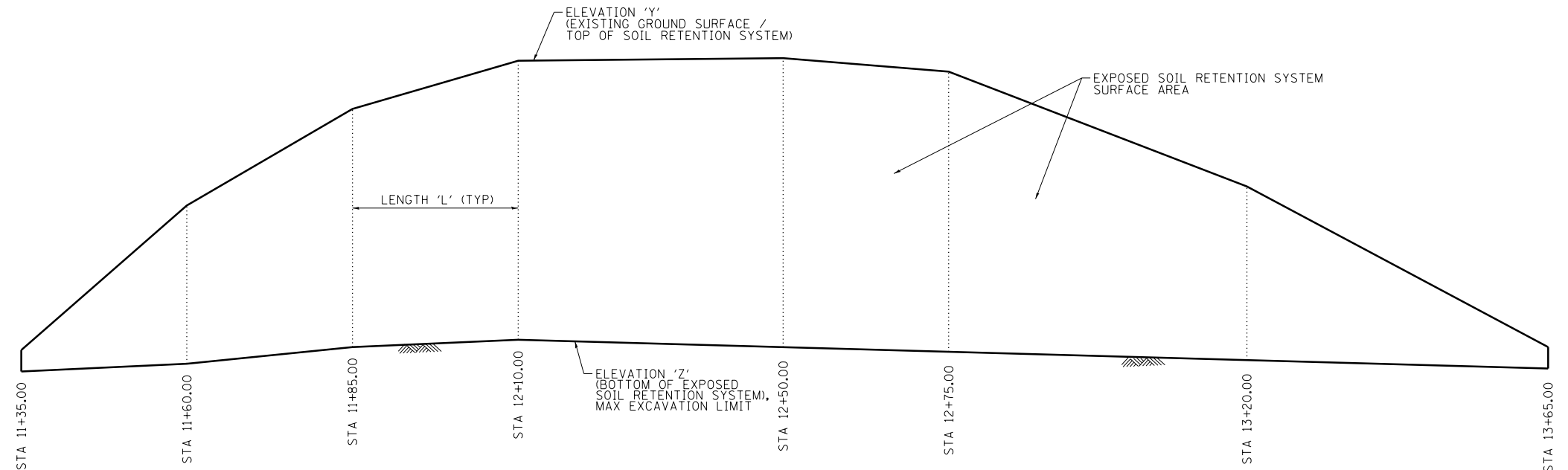
1. A CANTILEVERED SHEET PILING DESIGN DOES NOT APPEAR FEASIBLE AND ADDITIONAL MEMBERS OR OTHER RETENTION SYSTEMS MAY BE NECESSARY. THE CONTRACTOR SHALL SUBMIT A SOIL RETENTION SYSTEM DESIGN INCLUDING PLAN DETAILS AND CALCULATIONS FOR REVIEW AND ACCEPTANCE BY THE ENGINEER.
2. ALIGNMENT OF SOIL RETENTION SYSTEM TO BE ADJUSTED AS NEEDED TO AVOID ANY IDENTIFIED EXISTING SUBSTRUCTURE ELEMENTS.

TABLE 1

EXPOSED SOIL RETENTION SYSTEM SURFACE AREA					
STATION (TEMP RAMP SW)	OFFSET 'O' (TEMP RAMP SW)	ELEVATION		'L' (FT)	AREA (SF)
		'Y'	'Z'		
11+35.00	16.00'	± 576.68	± 576.18	-	-
11+60.00	16.00'	± 580.05	± 576.35	25.77	55
11+85.00	16.00'	± 582.31	± 576.75	25.77	120
12+10.00	16.00'	± 583.44	± 576.91	25.77	156
12+50.00	16.00'	± 583.49	± 576.74	41.24	274
12+75.00	16.00'	± 583.18	± 576.64	25.77	172
13+20.00	16.00'	± 580.50	± 576.44	46.39	246
13+65.00	16.00'	± 576.75	± 576.25	46.88	107

BILL OF MATERIAL

ITEM	UNIT	TOTAL
SOIL RETENTION SYSTEM	SQ FT	1130



SOIL RETENTION SYSTEM ELEVATION
(ALONG FRONT FACE)

FILE PATH = \\unc\glf\9001\p\ad\Projects\622877\000_CAD_006-Roadway\Printing\60X77\2016-03-14-60X77-FINAL_PLOT.D160X77-SHT-Staging Temp Soil Ret.dgn



D160X77-SHT-Staging Temp Soil Ret.dgn
USER NAME = dshevoz
PLOT SCALE = 100.0000' / in.
PLOT DATE = 3/15/2016

DESIGNED - ATB
DRAWN - WBS
CHECKED - DBM
DATE - 3/14/2016

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL RETENTION SYSTEM DETAILS

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	74
CONTRACT NO. 60X77			ILLINOIS FED. AID PROJECT	

BORING LOG 1705-B-11 Page 1 of 3

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

WEI Job No.: 1100-04-01

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

Datum: NAVD 88
Elevation: 580.50 ft
North: 1898132.10 ft
East: 1171174.95 ft
Station: 1834+91.02
Offset: 2.32 LT

BORING LOG 1705-B-11 Page 2 of 3

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

WEI Job No.: 1100-04-01

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

Datum: NAVD 88
Elevation: 580.50 ft
North: 1898132.10 ft
East: 1171174.95 ft
Station: 1834+91.02
Offset: 2.32 LT

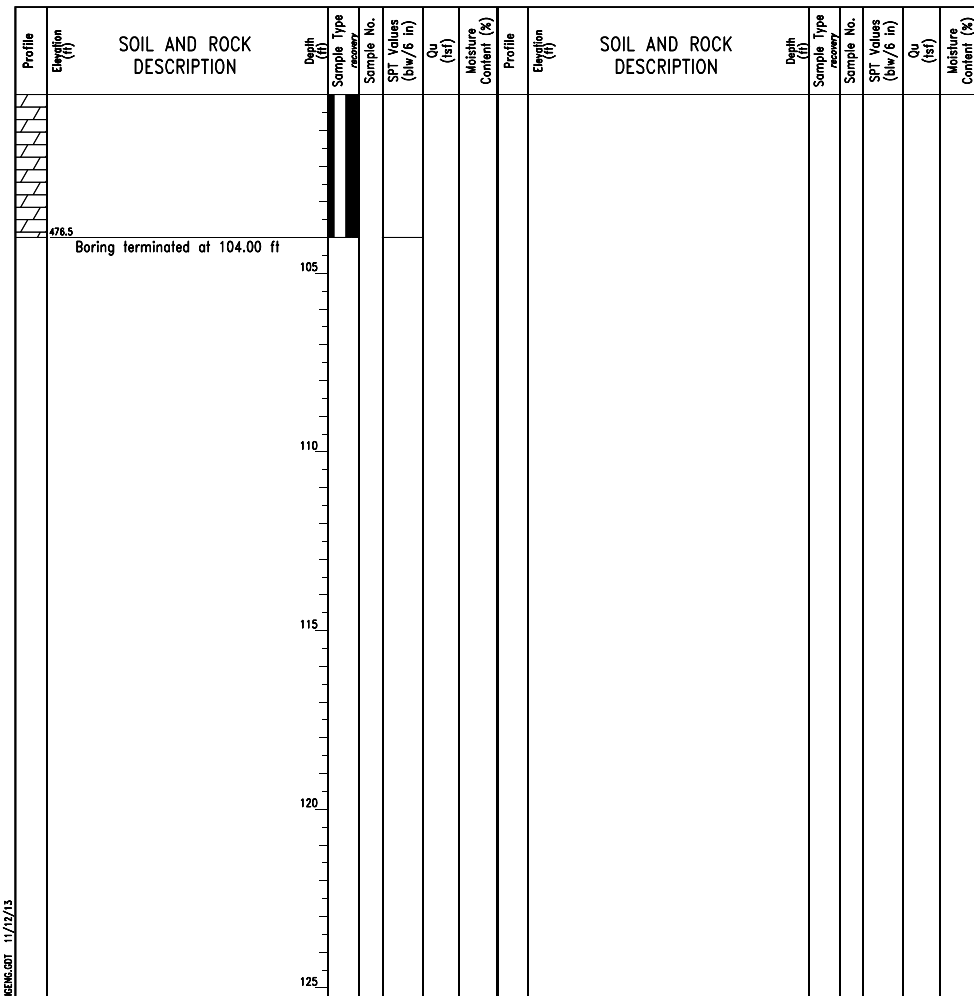
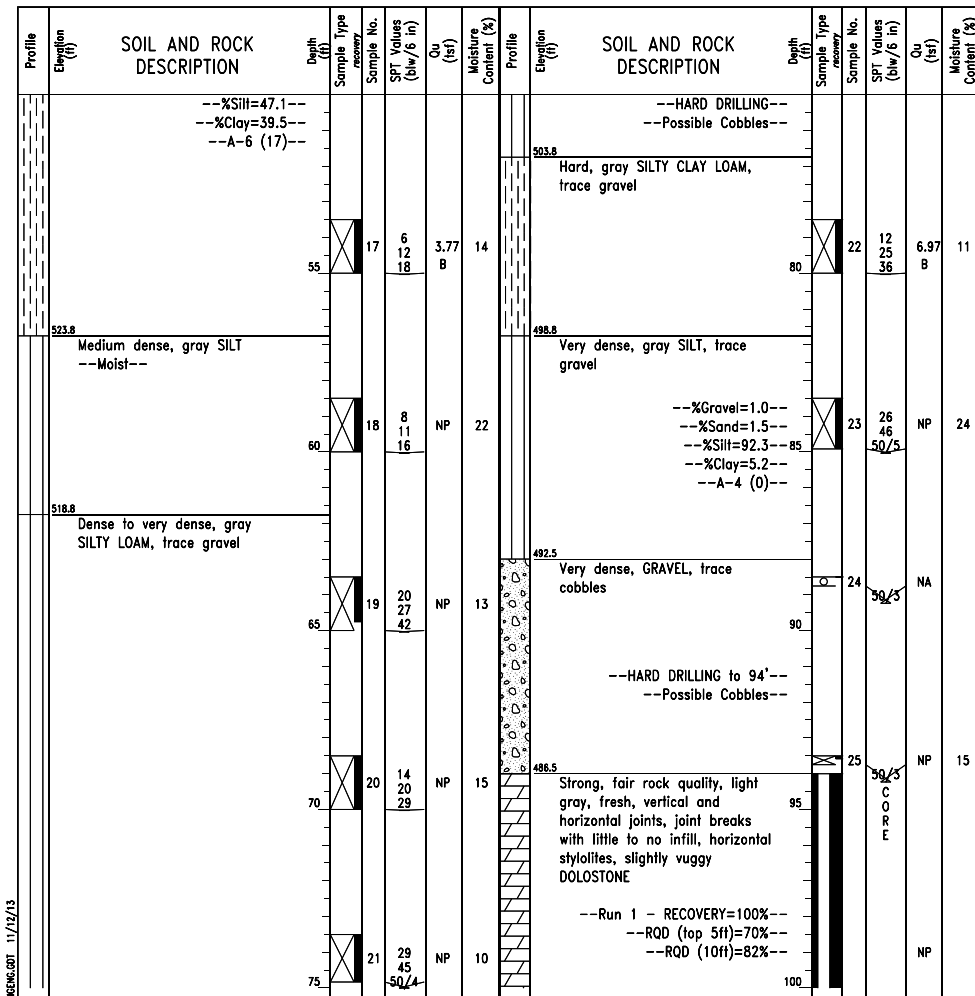
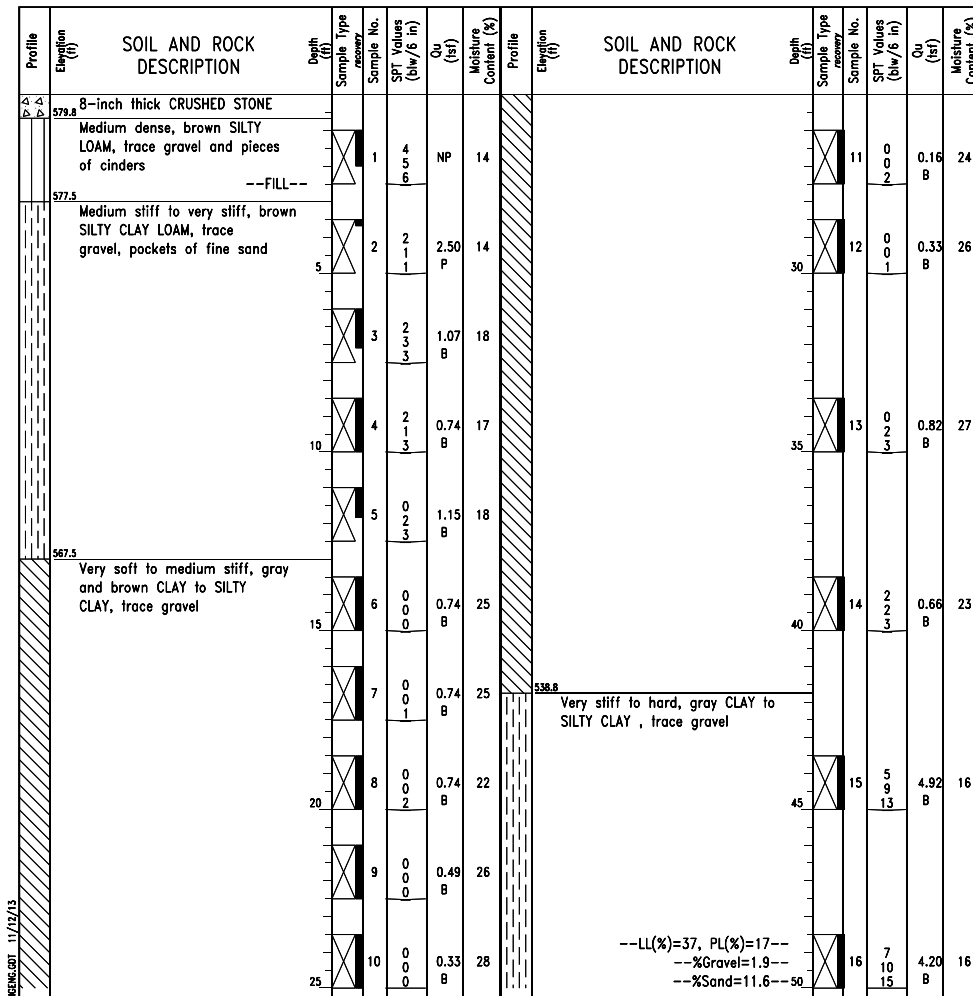
BORING LOG 1705-B-11 Page 3 of 3

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

WEI Job No.: 1100-04-01

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

Datum: NAVD 88
Elevation: 580.50 ft
North: 1898132.10 ft
East: 1171174.95 ft
Station: 1834+91.02
Offset: 2.32 LT



GENERAL NOTES

Begin Drilling 07-28-2013 Complete Drilling 07-29-2013

Drilling Contractor Wang Testing Services Drill Rig D-50 TMR

Driller R&N Logger A. Happel Checked by C. Marin

Drilling Method 2.25" SSA to 10', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA

While Drilling NA

At Completion of Drilling NA

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

Begin Drilling 07-28-2013 Complete Drilling 07-29-2013

Drilling Contractor Wang Testing Services Drill Rig D-50 TMR

Driller R&N Logger A. Happel Checked by C. Marin

Drilling Method 2.25" SSA to 10', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA

While Drilling NA

At Completion of Drilling NA

Time After Drilling NA

Depth to Water NA

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GENERAL NOTES

Begin Drilling 07-28-2013 Complete Drilling 07-29-2013

Drilling Contractor Wang Testing Services Drill Rig D-50 TMR

Driller R&N Logger A. Happel Checked by C. Marin

Drilling Method 2.25" SSA to 10', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA

While Drilling NA

At Completion of Drilling NA

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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D160x77-SHT-Staging Boring 01.dgn
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PLOT SCALE = 2.0000 ' / in.
PLOT DATE = 3/15/2016

DESIGNED - ATB
DRAWN - WBS
CHECKED - DBM
DATE - 3/14/2016

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SOIL RETENTION SYSTEM BORING LOG

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	74A
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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BORING LOG 1715-B-04 Page 2 of 3

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

WEI Job No.: 1100-04-01

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

Datum: NAVD 88
Elevation: 589.41 ft
North: 1898275.77 ft
East: 1171292.09 ft
Station: 6405+59.41
Offset: 6.1885' LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
537.7	Very stiff to hard, gray SILTY CLAY to SILTY CLAY LOAM, trace gravel	55	17	4 7 11	3.20 B	15	507.7	Dense to very dense, gray SILT, trace gravel	80	22	18 29 42	8.53 B	14
	--LL(%)=31, PL(%)=15-- --%Gravel=2.8-- --%Sand=19.7-- --%Silt=49.4-- --%Clay=28.0-- --A-6 (10)--	60	18	3 5 11	3.03 B	18		--LL(%)=NP, PL(%)=NP-- --%Gravel=1.1-- --%Sand=7.3-- --%Silt=83.5-- --%Clay=8.2-- --A-4 (0)-- --HARD DRILLING-- --Possible Cobbles--	85	23	17 22 26	NP	18
		65	19	4 10 12	4.10 B	23			90	24	50/5	NP	12
522.7	Medium dense, gray SILT, trace fine sand interbeds --Wet--	70	20	6 11 14	NP	17	498.2	Hard, gray SILTY CLAY, trace gravel	95	25	28 50/5	5.41 B	18
517.7	Hard, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel	75	21	13 17 30	10.25 B	14	492.7	Very dense, gray SILT --MOIST--	100	26	18 33 42	NP	22

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	03-17-2014	Complete Drilling	03-18-2014
Drilling Contractor	Wang Testing Services	Drill Rig	CME-55 TMR
Driller	R&N	Logger	F. Bozga
Checked by	C. Marin	Time After Drilling	24 hours
Drilling Method	2.25" SSA to 10', mud rotary thereafter, boring backfilled upon completion	Depth to Water	8.00 ft
		The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

BORING LOG 1715-B-04 Page 3 of 3

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

WEI Job No.: 1100-04-01

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

Datum: NAVD 88
Elevation: 589.41 ft
North: 1898275.77 ft
East: 1171292.09 ft
Station: 6405+59.41
Offset: 6.1885' LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
487.7	Very dense, gray GRAVELLY SANDY LOAM --MOIST--	105	27	30 50/4	NP	12		--HARD DRILLING-- --Possible Cobbles--	105	27	30 50/4	NP	12
		110	28	50/1	NA			--DIFFICULT DRILLING-- --WEATHERED BEDROCK-- --ROLLER BIT REFUSAL--	110	28	50/1	NA	
479.4	Boring terminated at 110.00 ft	115							115				
		120							120				
		125							125				

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	03-17-2014	Complete Drilling	03-18-2014
Drilling Contractor	Wang Testing Services	Drill Rig	CME-55 TMR
Driller	R&N	Logger	F. Bozga
Checked by	C. Marin	Time After Drilling	24 hours
Drilling Method	2.25" SSA to 10', mud rotary thereafter, boring backfilled upon completion	Depth to Water	8.00 ft
		The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	



D160X77-SHT-Staging Boring 02.dgn
USER NAME = dshevoz
PLOT SCALE = 2.0000' / in.
PLOT DATE = 3/15/2016

DESIGNED - ATB
DRAWN - WBS
CHECKED - DBM
DATE - 3/14/2016

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SOIL RETENTION SYSTEM BORING LOG

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	74B
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

BORING LOG 1705-B-11A

Page 1 of 1

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

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

Datum: NAVD 88
Elevation: 586.03 ft
North: 1898136.23 ft
East: 1171162.02 ft
Station: 1835+03.66
Offset: 2.61 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (ksf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (ksf)	Moisture Content (%)
	--Drilled without sampling--												
573.0	Hard, gray SILTY CLAY, trace gravel	15	1		4.50		546.0	--LL(%)=34, PL(%)=17-- --%Gravel=4.6-- --%Sand=13.0-- --%Silt=48.4-- --%Clay=34.0-- --A-6 (13)--	30	4		0.52	23
569.5	Soft to stiff, gray CLAY to SILTY CLAY, trace gravel	20	2		0.88	23		--LL(%)=37, PL(%)=17-- --%Gravel=2.6-- --%Sand=10.1-- --%Silt=48.2-- --%Clay=39.1-- --A-6 (17)--	35	5		1.12	24
	--LL(%)=34, PL(%)=17-- --%Gravel=2.6-- --%Sand=14.5-- --%Silt=48.2-- --%Clay=34.8-- --A-6 (13)--	25	3		0.62	24		--LL(%)=33, PL(%)=16-- --%Gravel=4.2-- --%Sand=11.8-- --%Silt=49.7-- --%Clay=34.4-- --A-6 (13)--	40	6		1.38	21
	--LL(%)=33, PL(%)=17-- --%Gravel=2.7-- --%Sand=14.4-- --%Silt=48.7-- --%Clay=34.3-- --A-6 (12)--	25	3		0.62	24							

Boring terminated at 40.00 ft

GENERAL NOTES

WATER LEVEL DATA

Begin Drilling 08-04-2013 Complete Drilling 08-05-2013
Drilling Contractor Wang Testing Services Drill Rig D-50 TMR
Driller R&K Logger A. Tomaras Checked by C. Marin
Drilling Method 3.25" HSA, boring backfilled upon completion

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

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



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PLOT DATE = 3/15/2016

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DRAWN - WBS
CHECKED - DBM
DATE - 3/14/2016

REVISED -
REVISED -
REVISED -
REVISED -

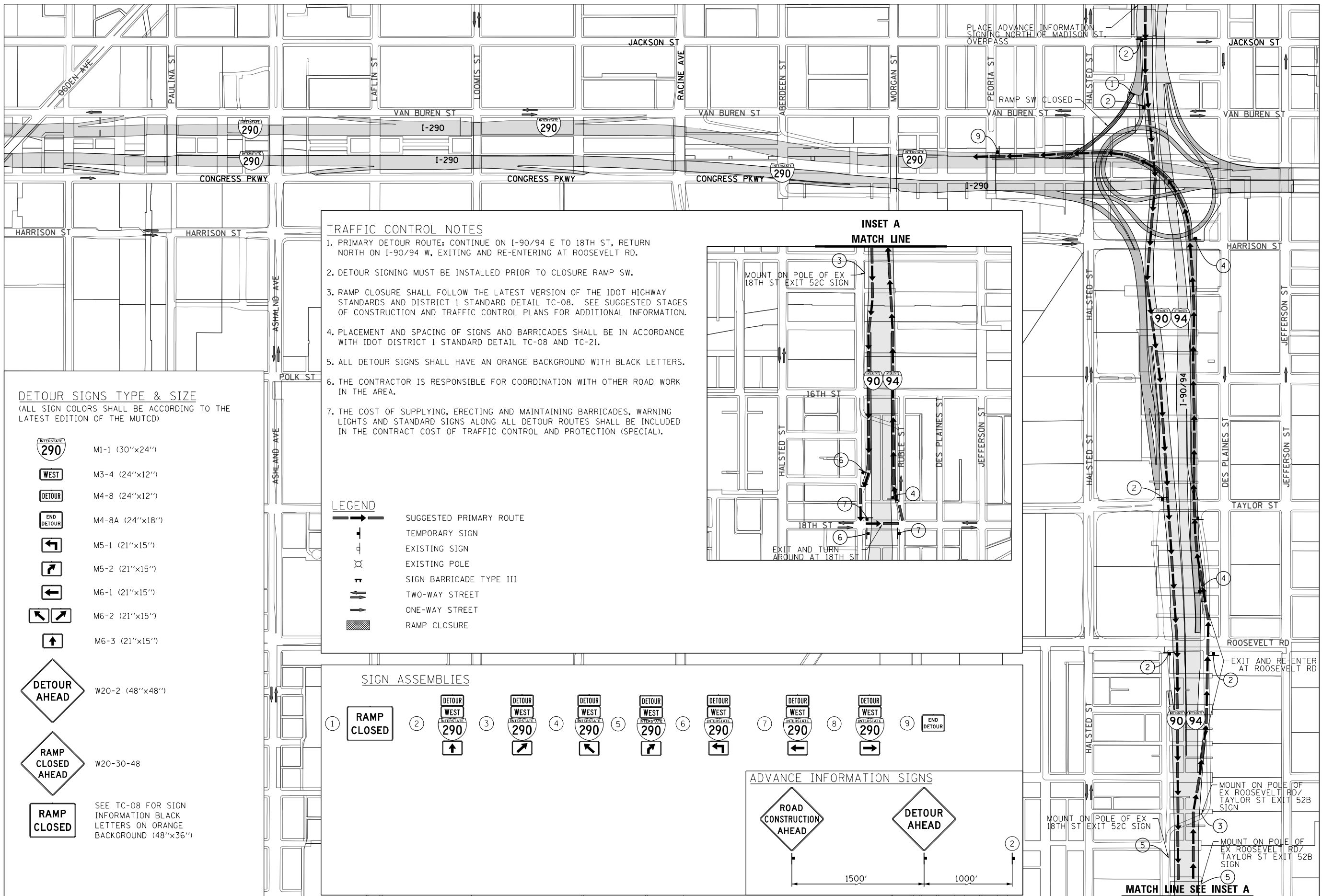
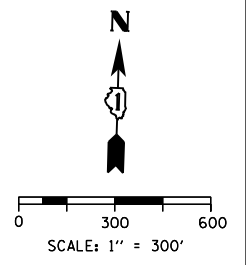
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL RETENTION SYSTEM BORING LOG

SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	74C
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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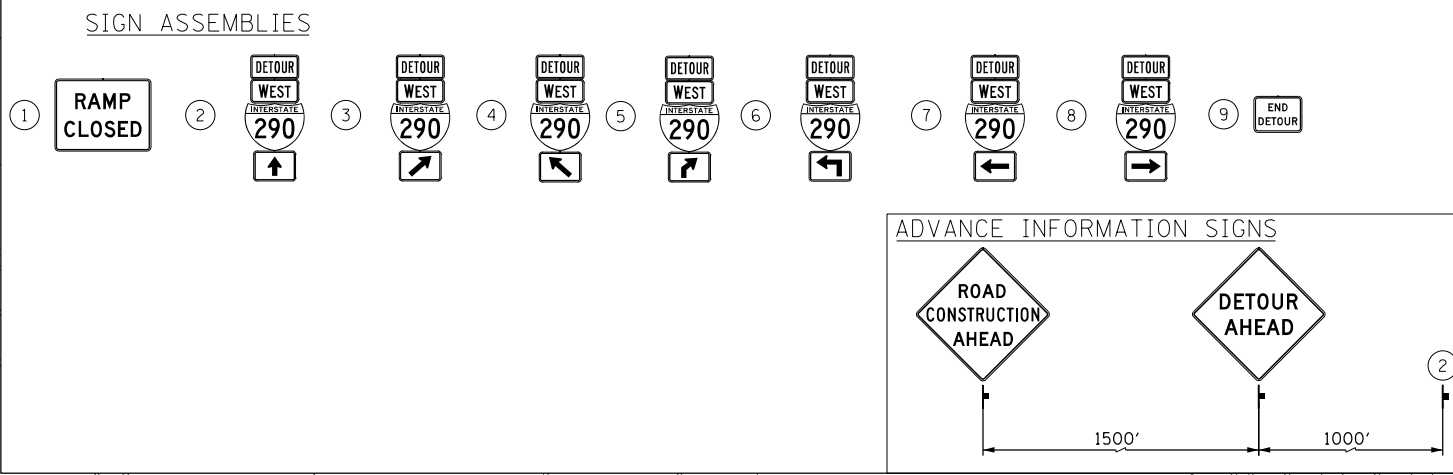
TRAFFIC CONTROL NOTES

1. PRIMARY DETOUR ROUTE: CONTINUE ON I-90/94 E TO 18TH ST, RETURN NORTH ON I-90/94 W, EXITING AND RE-ENTERING AT ROOSEVELT RD.
2. DETOUR SIGNING MUST BE INSTALLED PRIOR TO CLOSURE RAMP SW.
3. RAMP CLOSURE SHALL FOLLOW THE LATEST VERSION OF THE IDOT HIGHWAY STANDARDS AND DISTRICT 1 STANDARD DETAIL TC-08. SEE SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLANS FOR ADDITIONAL INFORMATION.
4. PLACEMENT AND SPACING OF SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH IDOT DISTRICT 1 STANDARD DETAIL TC-08 AND TC-21.
5. ALL DETOUR SIGNS SHALL HAVE AN ORANGE BACKGROUND WITH BLACK LETTERS.
6. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH OTHER ROAD WORK IN THE AREA.
7. THE COST OF SUPPLYING, ERECTING AND MAINTAINING BARRICADES, WARNING LIGHTS AND STANDARD SIGNS ALONG ALL DETOUR ROUTES SHALL BE INCLUDED IN THE CONTRACT COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).

DETOUR SIGNS TYPE & SIZE
(ALL SIGN COLORS SHALL BE ACCORDING TO THE LATEST EDITION OF THE MUTCD)

- | | |
|--|---|
| | M1-1 (30"x24") |
| | M3-4 (24"x12") |
| | M4-8 (24"x12") |
| | M4-8A (24"x18") |
| | M5-1 (21"x15") |
| | M5-2 (21"x15") |
| | M6-1 (21"x15") |
| | M6-2 (21"x15") |
| | M6-3 (21"x15") |
| | W20-2 (48"x48") |
| | W20-30-48 |
| | SEE TC-08 FOR SIGN INFORMATION BLACK LETTERS ON ORANGE BACKGROUND (48"x36") |

- LEGEND**
- SUGGESTED PRIMARY ROUTE
 - TEMPORARY SIGN
 - EXISTING SIGN
 - EXISTING POLE
 - SIGN BARRICADE TYPE III
 - TWO-WAY STREET
 - ONE-WAY STREET
 - RAMP CLOSURE



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D160X77-sht-Detour-01
 USER NAME = chitua
 PLOT SCALE = 600.0000' / in.
 PLOT DATE = 4/27/2016

DESIGNED - AFC	REVISED -
DRAWN - AFC	REVISED -
CHECKED - DBM	REVISED -
DATE - 4/27/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

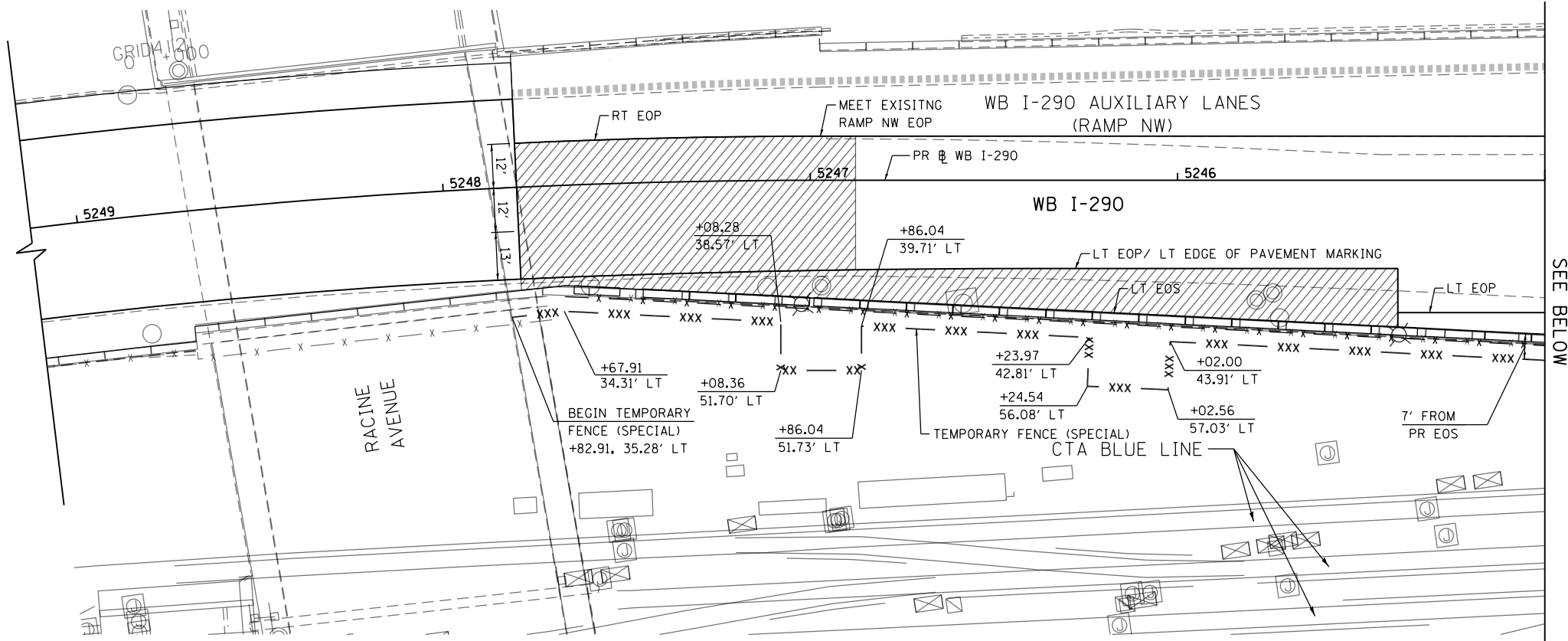
**DETOUR PLAN
 RAMP SW**

SCALE: 1" = 300' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-003R&B	COUNTY COOK	TOTAL SHEETS 431	SHEET NO. 75
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

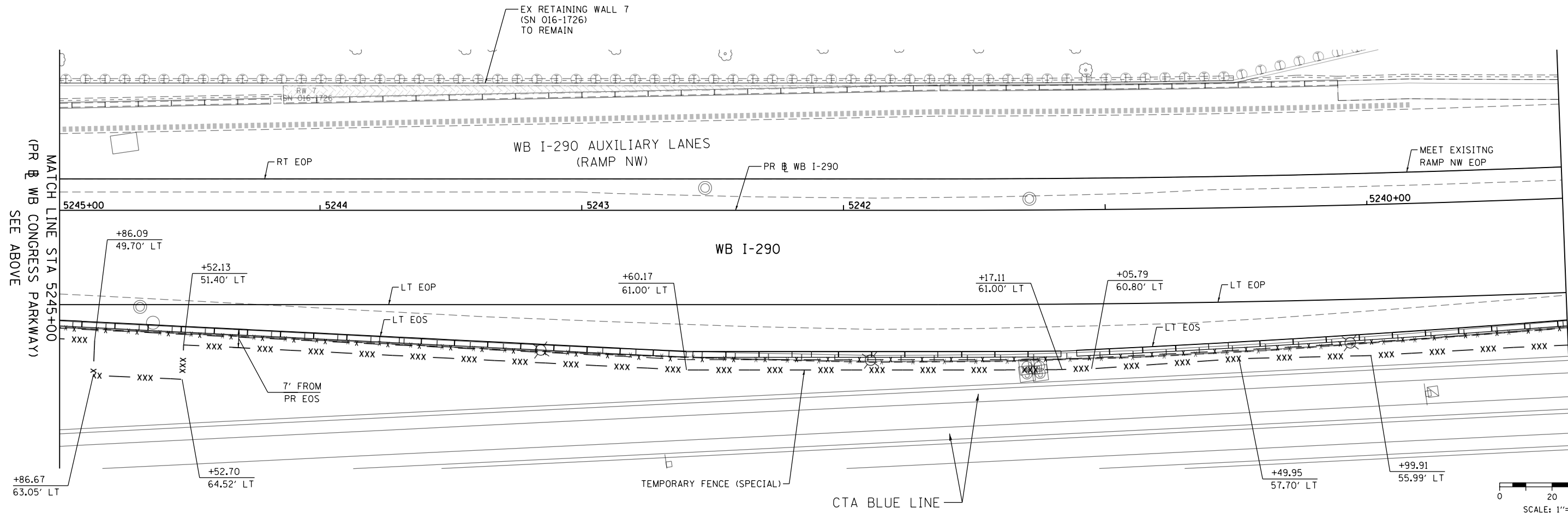
TEMPORARY FENCE (SPECIAL) NOTES:

1. INSTALLATION, MAINTENANCE AND REMOVAL OF TEMPORARY FENCE (SPECIAL) MUST MEET THE REQUIREMENTS OF THE CTA FLAGGING AND COORDINATION SPECIAL PROVISION.
2. THE FENCE TO THE NORTH OF THE WESTBOUND TRACK SHALL BE INSTALLED PRIOR TO REMOVAL OF ANY MEDIAN BARRIER WALL AND PRIOR TO THE START OF WORK AT THE BRIDGE PIER NORTH OF THE WESTBOUND TRACK. THE INSTALLATION SHALL BE COORDINATED WITH THE CTA.
3. THE FENCE INSTALLED ALONG THE WESTBOUND TRACKS SHALL BE INSTALLED IN COORDINATION WITH THE CTA. THIS FENCE PROVIDES A VISUAL SEPARATION BETWEEN THE OPERATING TRACK AND THE TEMPORARY WORK ZONE DURING A TRACK ACCESS OCCURRENCE. WITHOUT THIS FENCE IN PLACE, THE CTA MAY NOT ALLOW CONTRACTOR PERSONNEL TO BE PRESENT WITHIN THE TRACK AREAS UNDER THE CLOSURE GRANTED UNDER THE TRACK ACCESS OCCURRENCE.
4. THE CTA MAINTAINS UTILITIES WITHIN THEIR RIGHT-OF-WAY THAT MAY NOT BE INCLUDED ON SUE SHEETS OR OTHERWISE BE IDENTIFIED IN THE PLANS. THE FENCE INSTALLATION, SPECIFICALLY THE GROUND ANCHORS, MUST NOT DAMAGE OR CONFLICT WITH THE EXISTING UTILITIES.
5. THE CONTRACTOR SHALL MARK PROPOSED GROUND ANCHOR LOCATIONS PRIOR TO INSTALLATION. THE LOCATION SHALL BE REVIEWED WITH THE CTA AND USED IN CONJUNCTION WITH CTA AND DIGGER UTILITY LOCATES. MIKE PEREZ (312-681-4930) WILL COORDINATE CTA UTILITY LOCATES. THE ANCHOR LOCATIONS MAY REQUIRE ADJUSTMENT BASED UPON THE CTA REVIEW AND LOCATE.
6. ALL STATIONINGS ARE EITHER FROM PR @ WB I-290 OR WB CONGRESS PARKWAY UNLESS OTHERWISE NOTED. THE LOCATIONS IN THIS PLAN SHALL BE CONSIDERED PRELIMINARY. FIELD CONDITIONS AND THE LAYOUT REVIEW BY THE CTA SHALL WARRANT ADJUSTMENT.



MATCH LINE STA 5245+00
(PR @ WB CONGRESS PARKWAY)
SEE BELOW

SCALE: 1"=20'



MATCH LINE STA 5245+00
(PR @ WB CONGRESS PARKWAY)
SEE ABOVE

MATCH LINE STA 5239+25
(PR @ WB CONGRESS PARKWAY)
SEE SHEET NO. 77

SCALE: 1"=20'

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D160X77-SHT-Temp Fence-01.dgn
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PLOT SCALE = 40.0000' / in.
PLOT DATE = 3/15/2016

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DRAWN - ZND	REVISED -
CHECKED - DBM	REVISED -
DATE - 3/14/2016	REVISED -

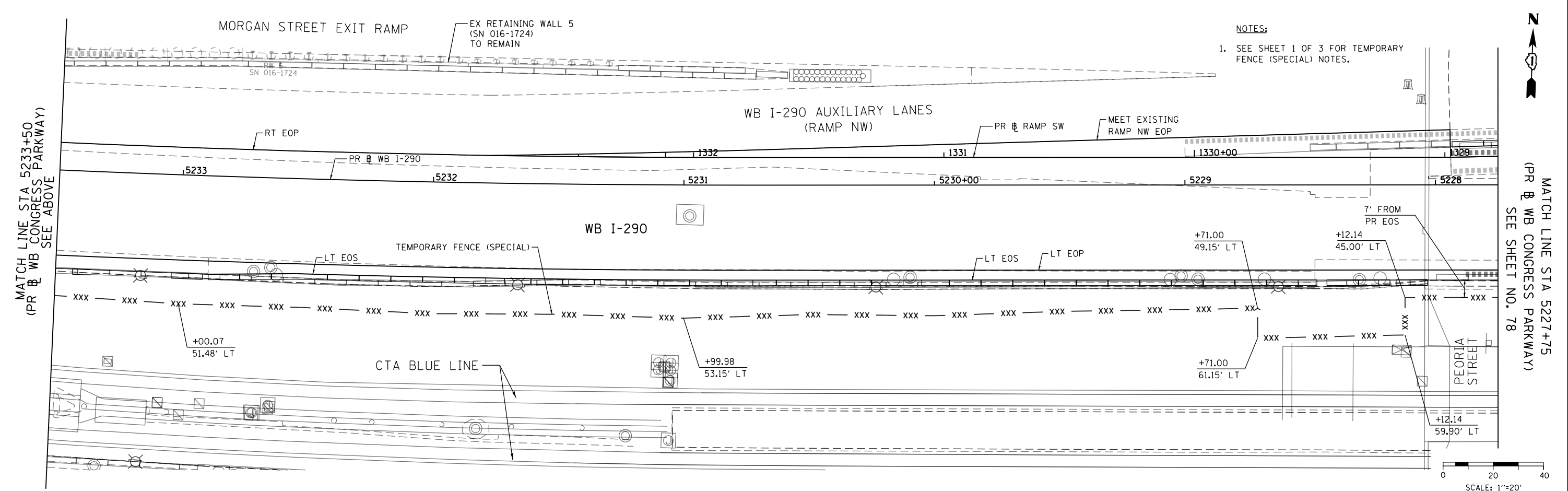
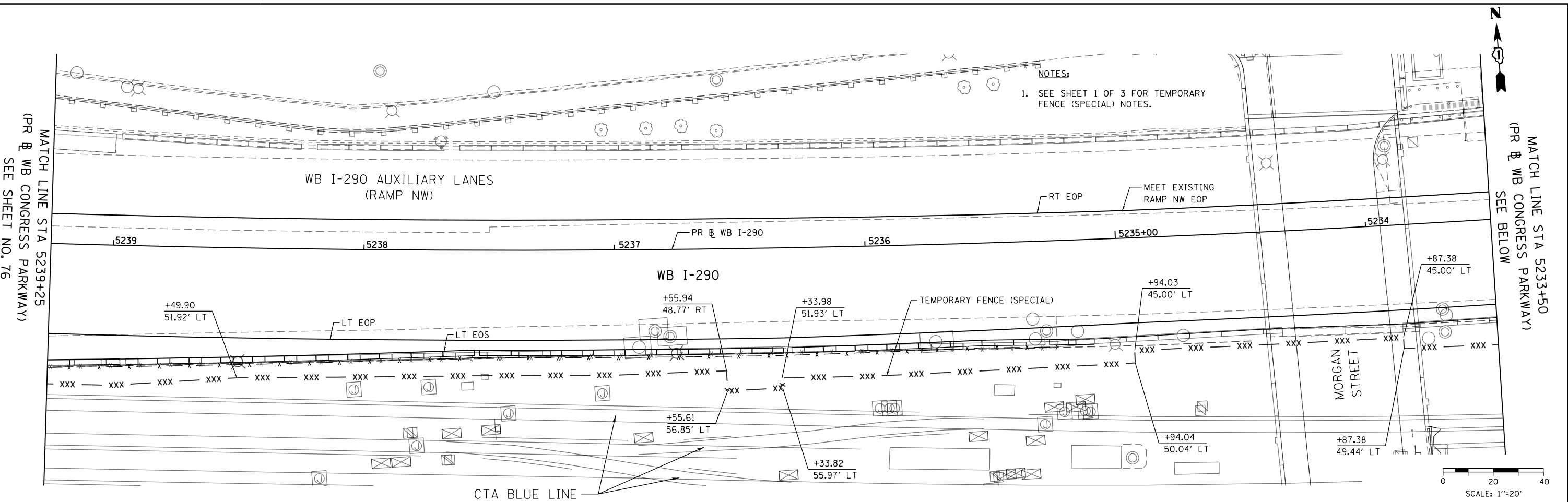
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY FENCE (SPECIAL) PLAN

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	76
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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D160X77-SHT-Temp Fence-02.dgn
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 PLOT DATE = 3/15/2016

DESIGNED - OPS
 DRAWN - ZND
 CHECKED - DBM
 DATE - 3/14/2016

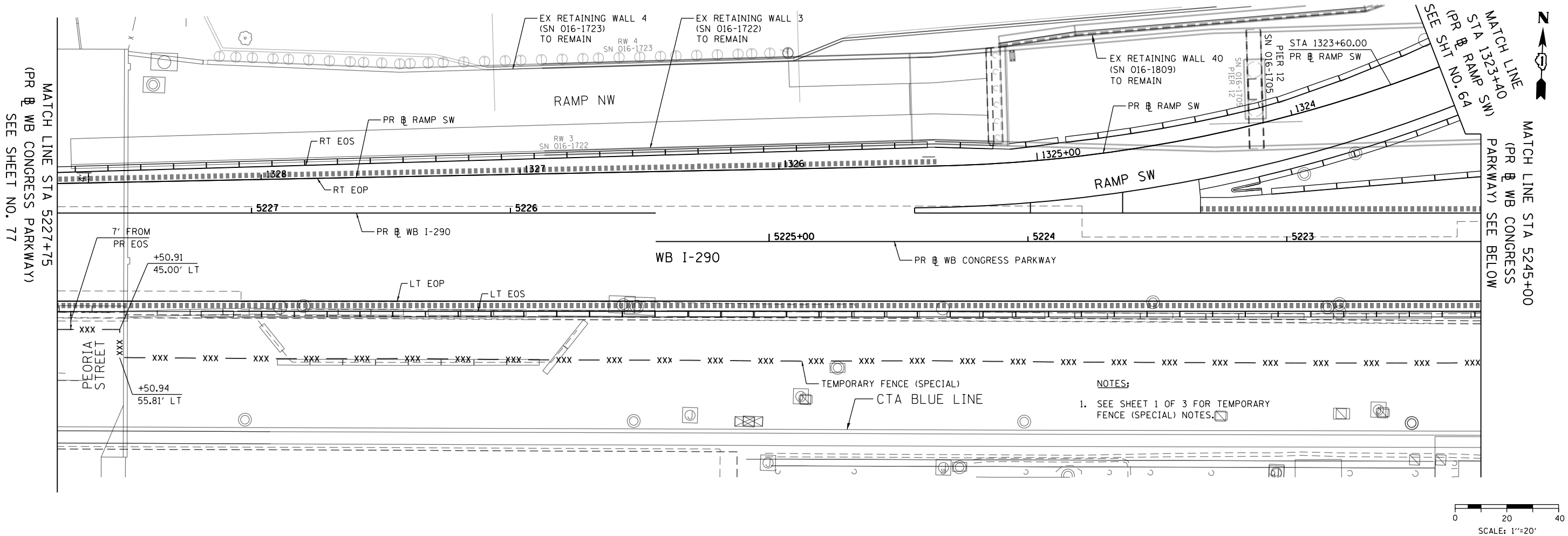
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

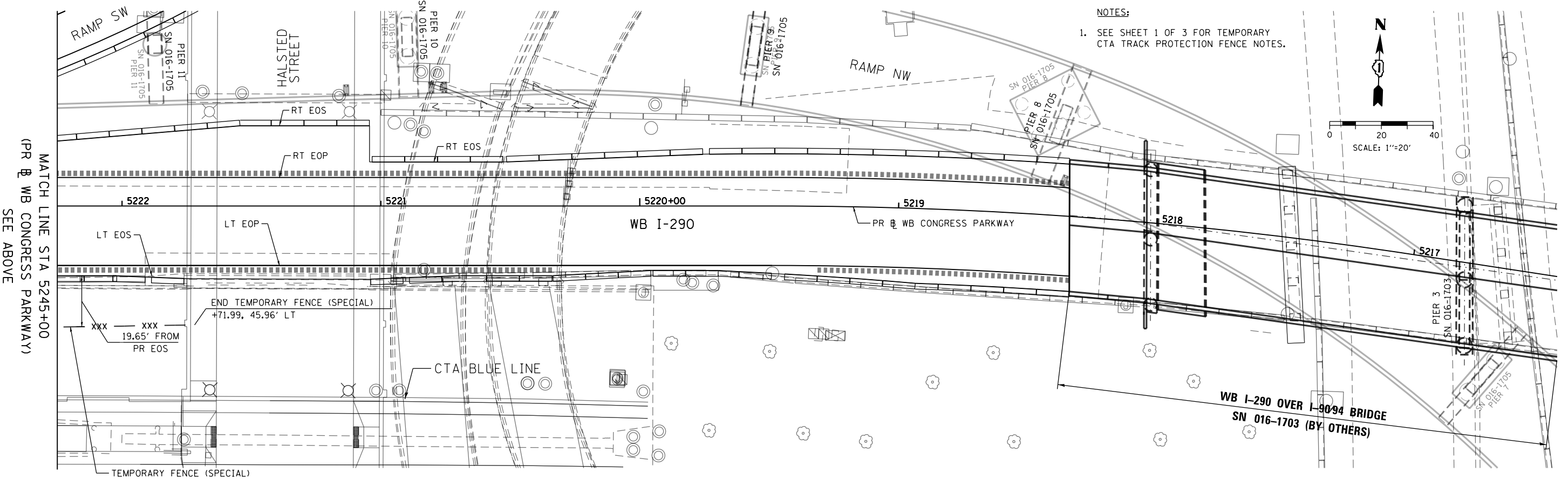
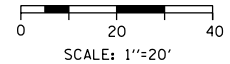
TEMPORARY FENCE (SPECIAL) PLAN

SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. TO STA.

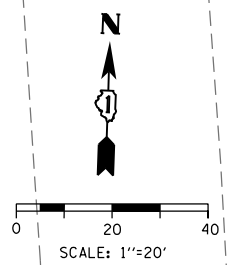
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	77
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				



NOTES:
 1. SEE SHEET 1 OF 3 FOR TEMPORARY FENCE (SPECIAL) NOTES.



NOTES:
 1. SEE SHEET 1 OF 3 FOR TEMPORARY CTA TRACK PROTECTION FENCE NOTES.



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PLOT DATE = 3/15/2016	DATE - 3/14/2016	REVISED -

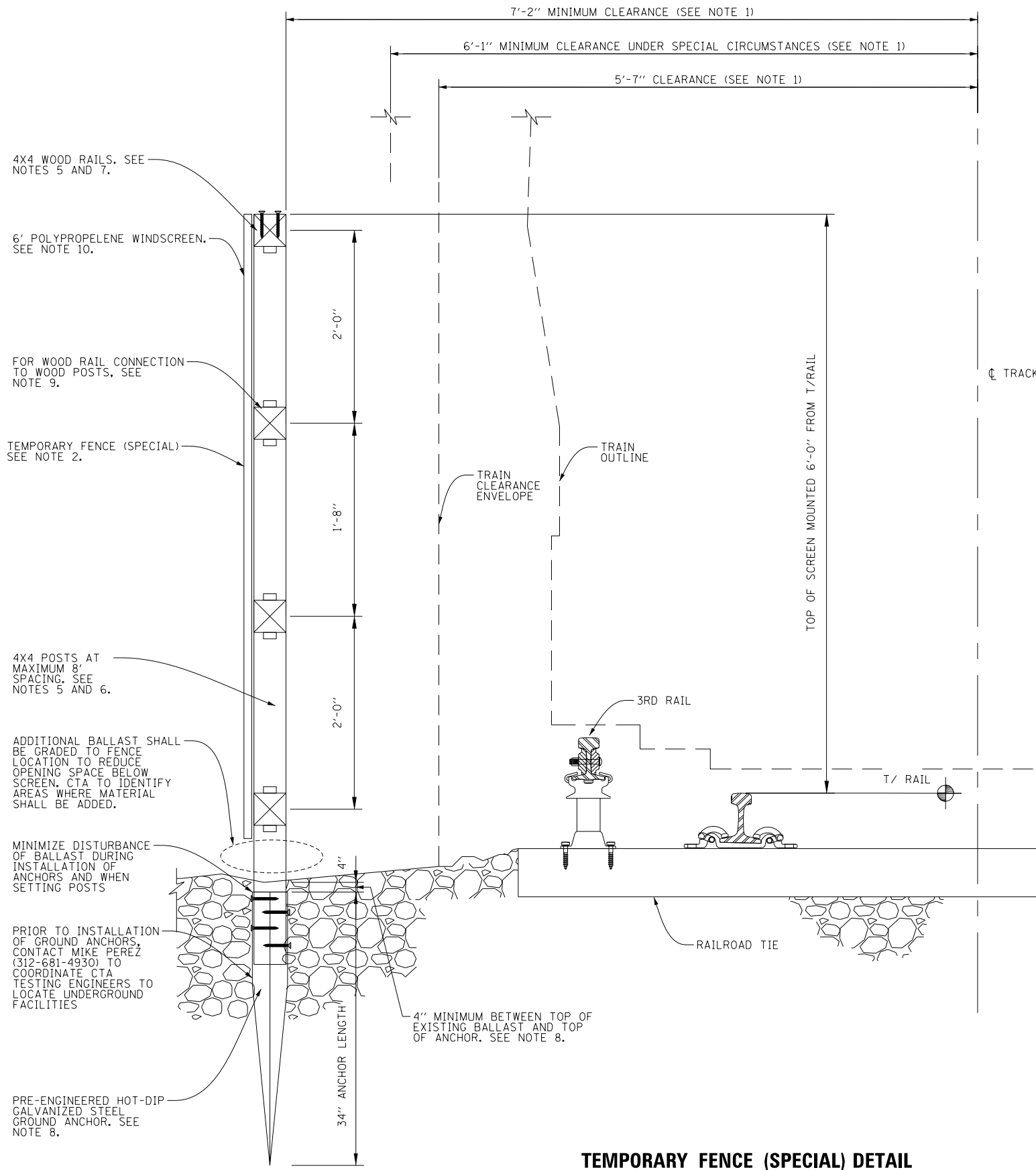
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY FENCE (SPECIAL) PLAN
 SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	78
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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TEMPORARY FENCE (SPECIAL) DETAIL

NOTES:

- 1. HORIZONTAL CLEARANCES LESS THAN 7'-2" CAN BE ALLOWED UNDER SPECIAL PERMISSION FROM THE CTA...
2. TEMPORARY FENCE (SPECIAL) IS DESIGNED TO RESIST A HORIZONTAL WIND PRESSURE OF NOT LESS THAN 30 POUNDS PER SQUARE FOOT...
3. TEMPORARY FENCE (SPECIAL) LAYOUT AND INSTALLATION PROCESS PLAN SHALL BE SUBMITTED FOR CTA REVIEW AND APPROVAL...
4. SUBMIT SHOP DRAWINGS INCLUDING, BUT NOT LIMITED TO, PRODUCT AND MATERIAL CERTIFICATES FOR ALL PRODUCTS AND MATERIALS USED PRIOR TO START OF INSTALLATION...
5. WOOD SHALL BE PRESSURE TREATED SOUTHERN YELLOW PINE, #2 OR BETTER, MINIMUM FB = 1500 PSI...
6. WOOD POST SIZE SHALL BE 4" X 4" SPACED A MAXIMUM OF 8 FEET ON CENTER...
7. WOOD RAIL SIZE SHALL BE MINIMUM 4" X 4" SPACED A MAXIMUM 24" CENTER TO CENTER...
8. TO MINIMIZE DISTURBANCE OF THE BALLAST AND SUBGRADE ALONG THE TRACKS, SUPPORT 4" X 4" POSTS WITH PRE-ENGINEERED HOT-DIP GALVANIZED STEEL GROUND ANCHORS...
9. WOOD RAIL TO WOOD POST CONNECTIONS SHALL BE MADE WITH HOT-DIP GALVANIZED OR STAINLESS STEEL NAILS OR HOT-DIP GALVANIZED OR STAINLESS STEEL FRAMING ANGLES...
10. WINDSCREEN AS MANUFACTURED BY CARRON NET CO. INC., TWO RIVERS, WISCONSIN OR APPROVED EQUAL SHALL BE 6 FEET HIGH...
11. ANY PROPOSED CONTRACTOR CHANGES SHALL BE SUBMITTED FOR REVIEW TO ENGINEER AND CTA...
12. ALL MAINTENANCE OF THE FENCE PRIOR TO REMOVAL IS THE RESPONSIBILITY OF THE CONTRACTOR...
13. AFTER THE NEED FOR THE TEMPORARY FENCE (SPECIAL) IS COMPLETE, ALL COMPONENTS OF THE FENCE INSTALLATION SHALL BE COMPLETELY REMOVED...



0160X77-sht-Temp Fence Detail.dgn
USER NAME = dshevoz
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 3/15/2016

DESIGNED - AAG REVISED -
DRAWN - MSC REVISED -
CHECKED - BMR REVISED -
DATE - 3/14/2016 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Table with project information: TEMPORARY FENCE (SPECIAL) DETAIL, SCALE: N.T.S., SHEET 1 OF 1 SHEETS, STA. TO STA., F.A.I. RT. 90/94/290, SECTION 2014-003R&B, COUNTY COOK, TOTAL SHEETS 431, SHEET NO. 79, CONTRACT NO. 60X77, ILLINOIS FED. AID PROJECT

NOTES:

- ALL TRAVEL LANES ON EB I-290, RAMP EN, AND RAMP ES SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X78 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.

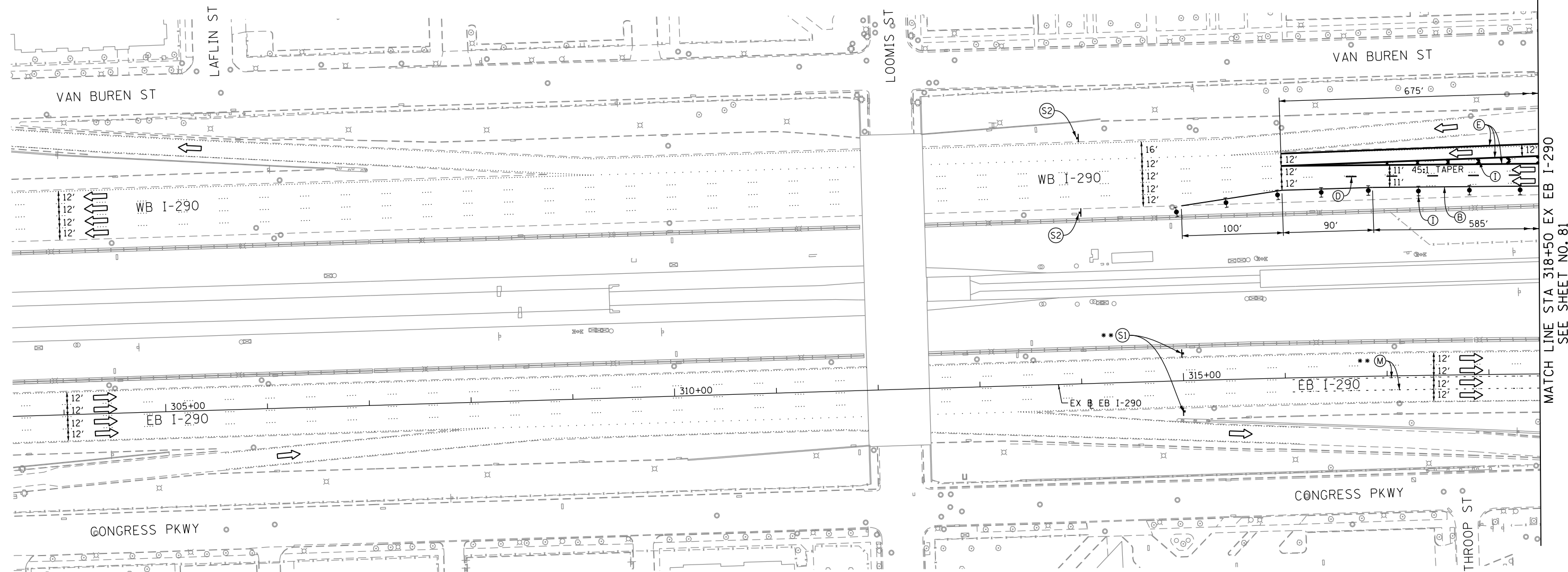
** FROM CONTRACT 60X78 TO REMAIN

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

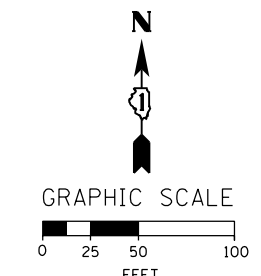
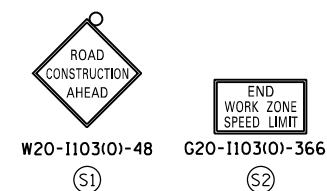
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 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)

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
- REMOVAL LIMITS
- TEMPORARY PAVEMENT



MATCH LINE STA 318+50 EX EB I-290 SEE SHEET NO. 81



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D160X77-Sht-Staging-ML-1A-00
 USER NAME = PATELP2
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 4/26/2016

DESIGNED - PHP	REVISED -
DRAWN - ZND	REVISED -
CHECKED - DBM	REVISED -
DATE - 4/27/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

SCALE: 1" = 50' SHEET 1 OF 10 SHEETS STA. 303+50 TO STA. 318+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	80
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL LAYOUT INFORMATION

POINT		STATION	OFFSET	LT/RT	BASELINE
1		1864+96.01	8.0'	LT	P-CIR-NW
2		1864+73.06	10.0'	LT	P-CIR-NW
3	PT	1863+92.25	8.0'	LT	P-CIR-NW
4	PC	1861+13.99	6.7'	LT	P-CIR-NW
5	PT	1854+96.35	0.0'	-	P-CIR-NW
6		5250+87.94	4.0'	LT	P-IKE-WB
7	PT	5249+92.52	4.0'	LT	P-IKE-WB
8	PCC	5248+33.30	4.0'	LT	P-IKE-WB
9	PC	5247+01.85	7.3'	LT	P-IKE-WB
10	PT	5242+58.29	28.1'	LT	P-IKE-WB
11	PT	1854+49.84	2.2'	LT	P-CIR-NW

NOTES:

1. ALL TRAVEL LANES ON EB I-290, RAMP EN, AND RAMP ES SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X78 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.

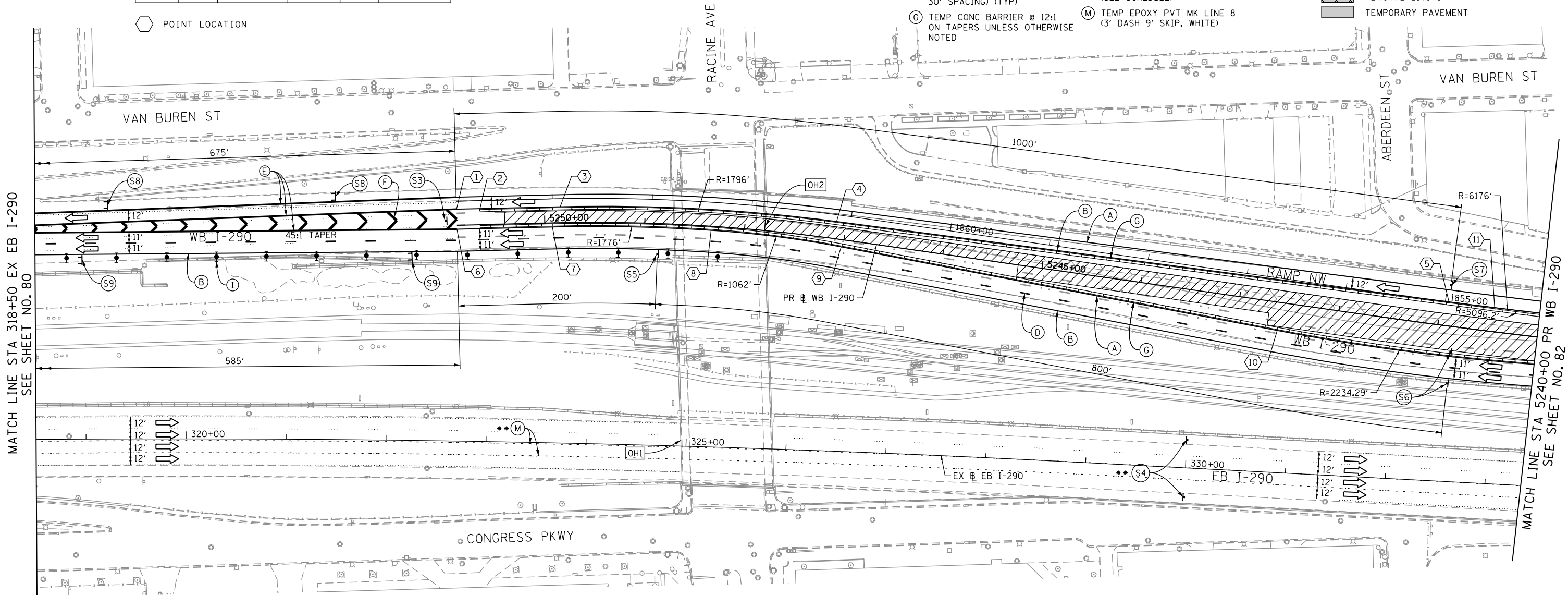
** FROM CONTRACT 60X78 TO REMAIN

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)

- 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
 - REMOVAL LIMITS
 - TEMPORARY PAVEMENT

POINT LOCATION

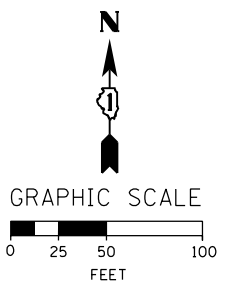
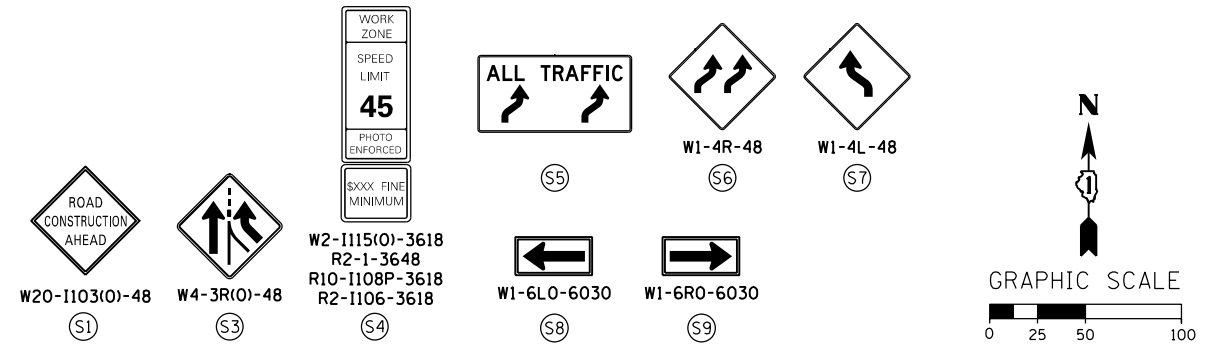
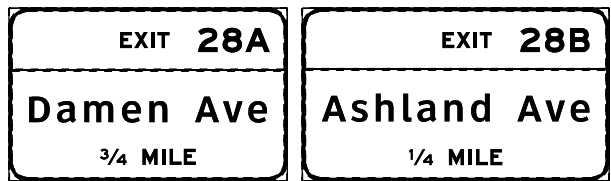


MATCH LINE STA 318+50 EX EB I-290 SEE SHEET NO. 80

MATCH LINE STA 5240+00 PR WB I-290 SEE SHEET NO. 82

[OH1] EXISTING OVERHEAD SIGNS TO REMAIN

[OH2] EXISTING OVERHEAD SIGNS TO REMAIN



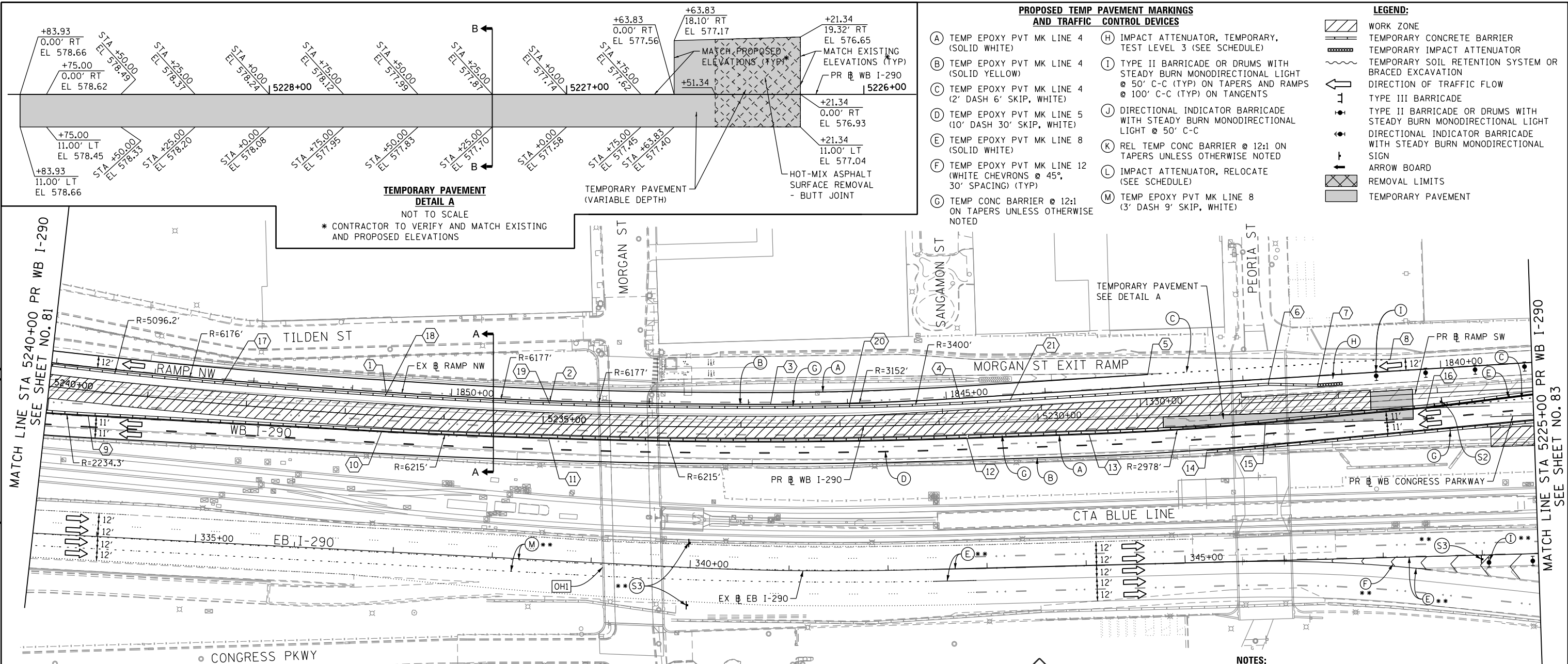
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PLOT DATE = 4/26/2016	DATE - 4/27/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
MAINLINE STAGING 1A**
SCALE: 1" = 50' SHEET 2 OF 10 SHEETS STA. 318+50 TO STA. 5240+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	81
CONTRACT NO. 60X77				

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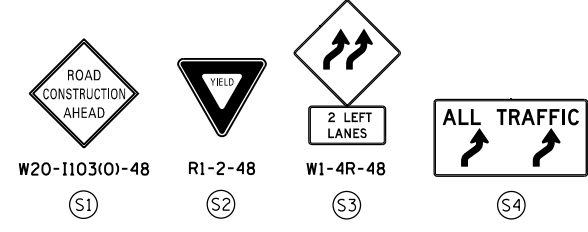


- PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
 - (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
 - (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
 - (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
 - (E) TEMP EPOXY PVT MK LINE 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
 - (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
 - REMOVAL LIMITS
 - TEMPORARY PAVEMENT

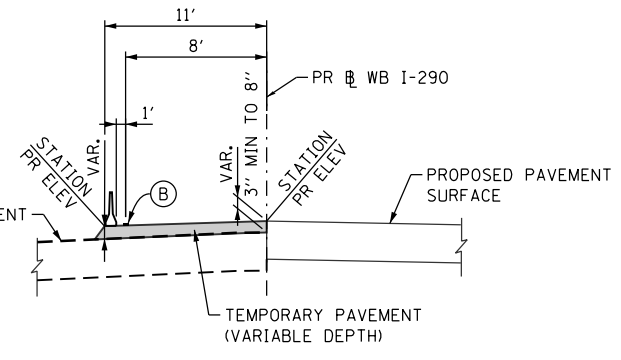
TEMPORARY PAVEMENT DETAIL A
 NOT TO SCALE
 * CONTRACTOR TO VERIFY AND MATCH EXISTING AND PROPOSED ELEVATIONS

TRAFFIC CONTROL LAYOUT INFORMATION

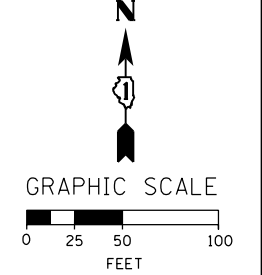
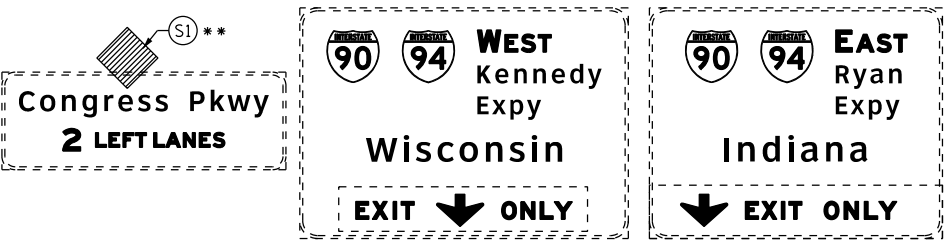
POINT		STATION	OFFSET	LT/RT	BASELINE
1	PC	1850+66.07	0.0'	-	P-CIR-NW
2	PCC	1849+00.34	0.0'	-	P-CIR-NW
3	PCC	1846+77.65	0.0'	-	P-CIR-NW
4	PT	1844+86.60	0.0'	-	P-CIR-NW
5		1842+95.52	12.0'	RT	P-CIR-NW
6		1841+75.00	2.0'	LT	P-CIR-NW
7		1841+25.17	6.2'	LT	P-CIR-NW
8		1840+50.33	12.0'	RT	P-CIR-NW
9	PC	5239+57.54	25.4'	LT	P-IKE-WB
10	PT	5236+62.09	16.2'	LT	P-IKE-WB
11	PCC	5234+93.76	15.0'	LT	P-IKE-WB
12	PC	5230+72.47	15.0'	LT	P-IKE-WB
13	PT	5229+49.12	15.0'	LT	P-IKE-WB
14		5228+31.11	36.7'	LT	P-IKE-WB
15	PC	5227+70.99	9.7'	LT	P-IKE-WB
16		5226+07.82	0.1'	RT	P-IKE-WB
17	PC	1852+30.89	3.0'	LT	P-CIR-NW
18		1850+66.13	3.0'	LT	P-CIR-NW
19		1849+00.41	3.0'	LT	P-CIR-NW
20		1845+98.26	3.0'	LT	P-CIR-NW
21		1844+36.08	5.4'	LT	P-CIR-NW



- NOTES:**
- ALL TRAVEL LANES ON EB I-290, RAMP EN, AND RAMP ES SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X78 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
 - PLACE TEMPORARY PAVEMENT SHOWN IN DETAIL A AT THE END OF STAGE 1A BEFORE SWITCHING TRAFFIC TO STAGE 1B.
- ** FROM CONTRACT 60X78 TO REMAIN



TEMPORARY PAVEMENT SECTION BB
 NOT TO SCALE



D160X77-Sht-Staging-ML-1A-02
 USER NAME = postelp2
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 4/28/2016

DESIGNED - PHP
 DRAWN - ZND
 CHECKED - DBM
 DATE - 4/27/2016

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
MAINLINE STAGING 1A
 SCALE: 1" = 50' SHEET 3 OF 10 SHEETS STA. 5255+00 TO STA. 5240+00

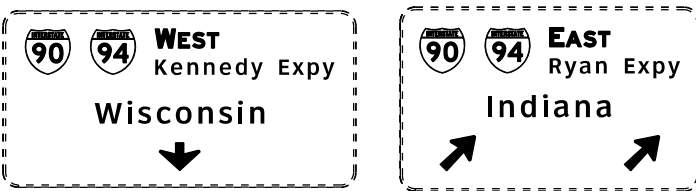
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	82

CONTRACT NO. 60X77
 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



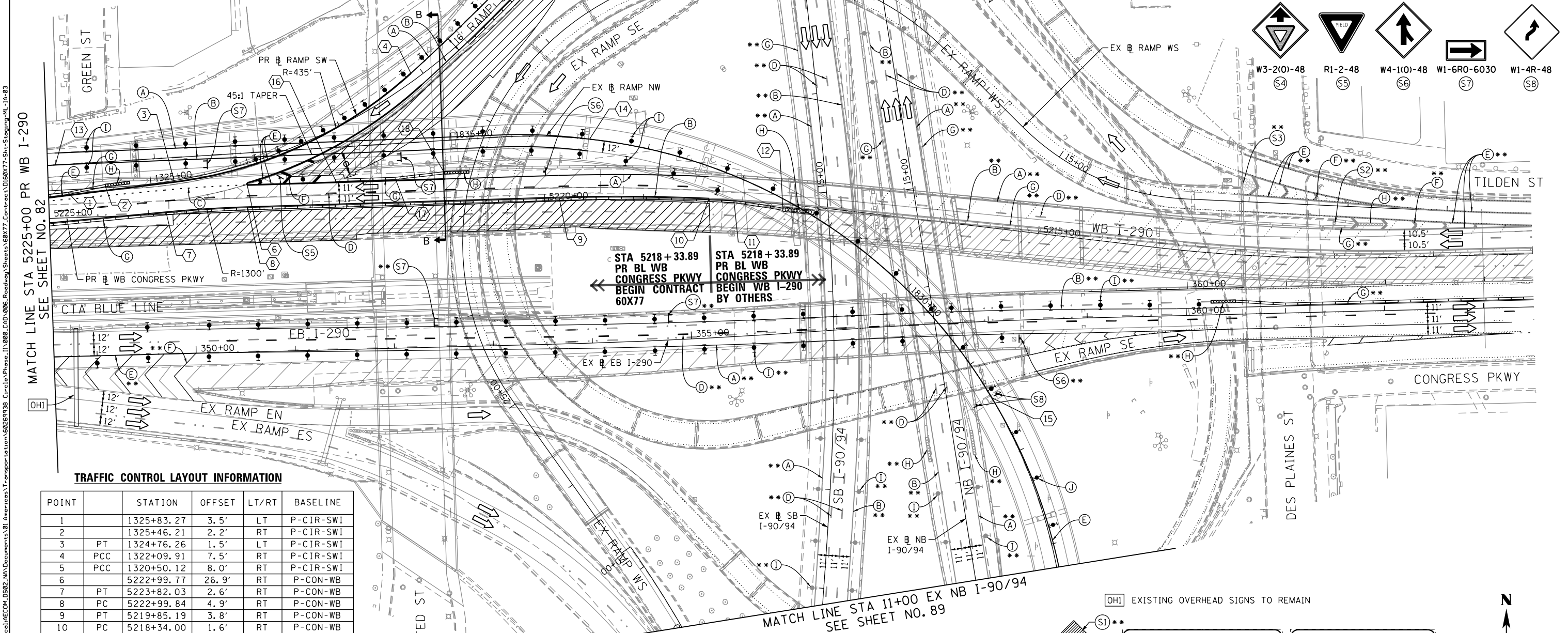
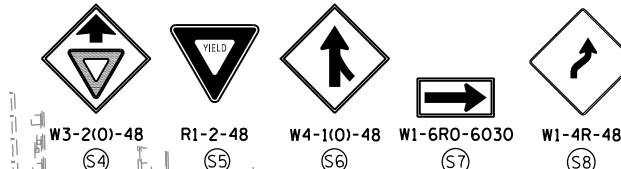
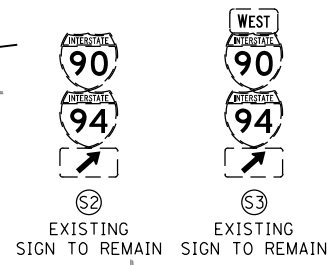
NOTES:

- 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.

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
- SIGN
- REMOVAL LIMITS
- TEMPORARY PAVEMENT

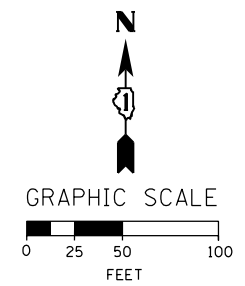
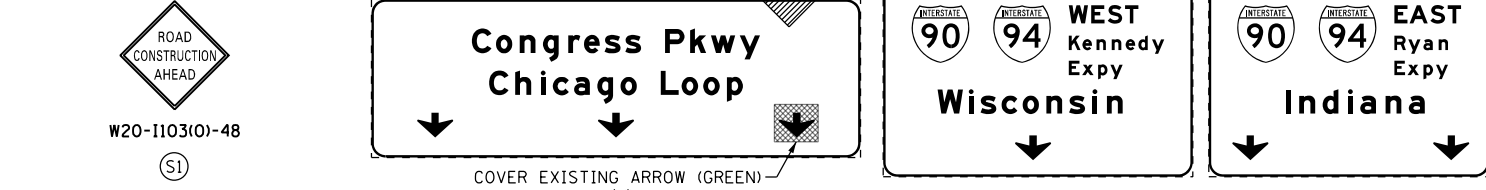
** FROM CONTRACT 60X78 TO REMAIN



TRAFFIC CONTROL LAYOUT INFORMATION

POINT	STATION	OFFSET	LT/RT	BASELINE
1	1325+83.27	3.5'	LT	P-CIR-SWI
2	1325+46.21	2.2'	RT	P-CIR-SWI
3	1324+76.26	1.5'	LT	P-CIR-SWI
4	1322+09.91	7.5'	RT	P-CIR-SWI
5	1320+50.12	8.0'	RT	P-CIR-SWI
6	5222+99.77	26.9'	RT	P-CON-WB
7	5223+82.03	2.6'	RT	P-CON-WB
8	5222+99.84	4.9'	RT	P-CON-WB
9	5219+85.19	3.8'	RT	P-CON-WB
10	5218+34.00	1.6'	RT	P-CON-WB
11	5218+08.77	0.6'	LT	P-CON-WB
12	5217+58.88	4.9'	LT	P-CON-WB
13	1839+00.00	0.0'	-	P-CIR-NW
14	1833+60.00	0.0'	-	P-CIR-NW
15	1828+60.00	0.0'	-	P-CIR-NW
16	5222+10.17	28.6'	RT	P-CON-WB
17	5221+49.87	28.4'	RT	P-CON-WB
18	5221+00.03	32.4'	RT	P-CON-WB

POINT LOCATION



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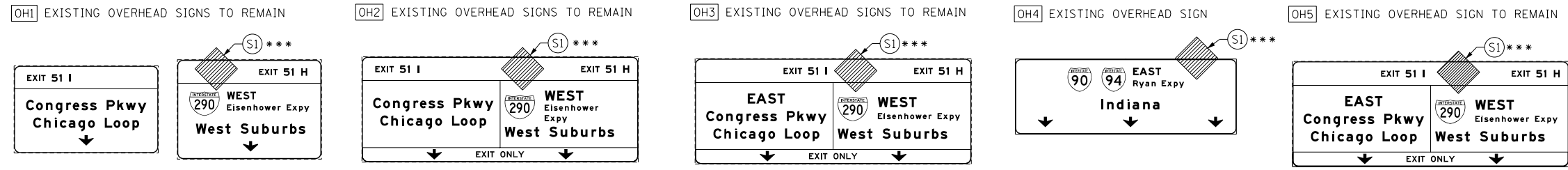
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 PLOT DATE = 4/26/2016

DESIGNED - PHP	REVISED -
DRAWN - ZND	REVISED -
CHECKED - DBM	REVISED -
DATE - 4/27/2016	REVISED -

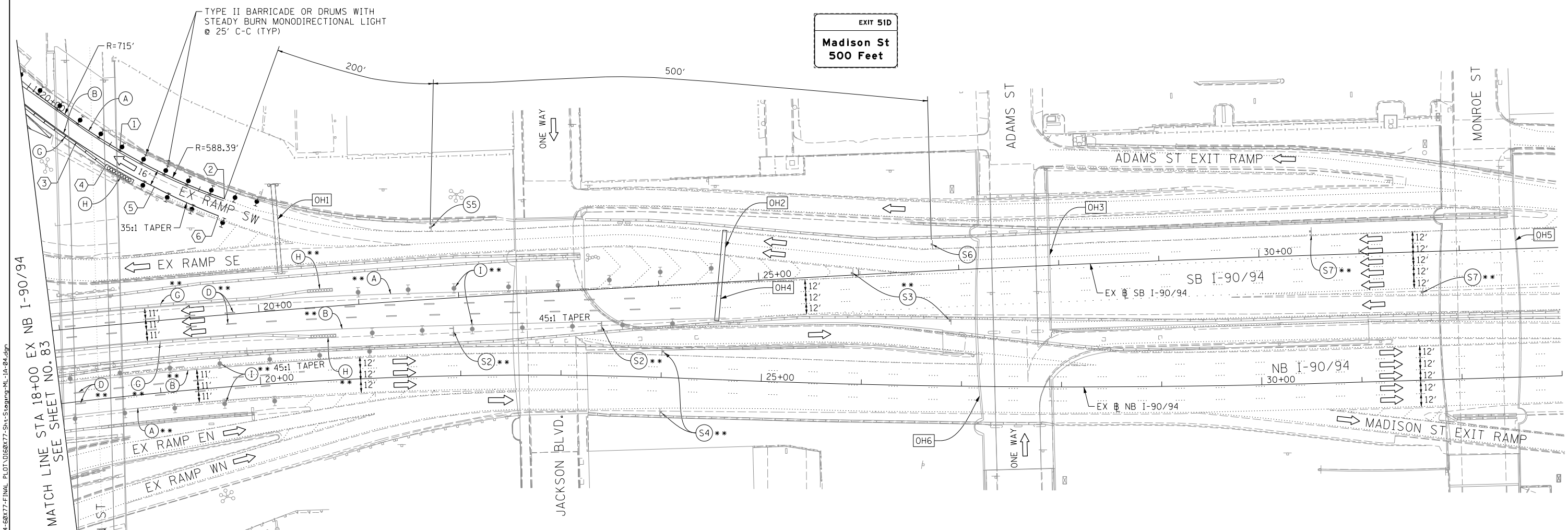
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
MAINLINE STAGING 1A
 SCALE: 1" = 50' SHEET 4 OF 10 SHEETS STA. 5225+00 TO STA. 5210+00

F.A.I. RTE. 90/94/290	SECTION 2014-003R&B	COUNTY COOK	TOTAL SHEETS 431	SHEET NO. 83
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				



- NOTES:**
1. ALL TRAVEL LANES ON SB AND NB I-90/94 SHALL BE MAINTAINED AS PER CONTRACTS 60W30 AND 60X78.
 2. ALL PAVEMENT MARKING AND SIGNINGS ON SB I-90/94, EXIT RAMP SW AND SE SHALL BE COORDINATED ON FIELD WITH CONTRACTS 60W30 AND 60X78 AND AS PER FIELD ENGINEER.
 3. COOPERATION BETWEEN CONTRACTORS WILL BE REQUIRED. SEE TRAFFIC CONTROL GENERAL NOTES FOR DETAIL.



- 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)

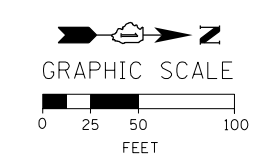
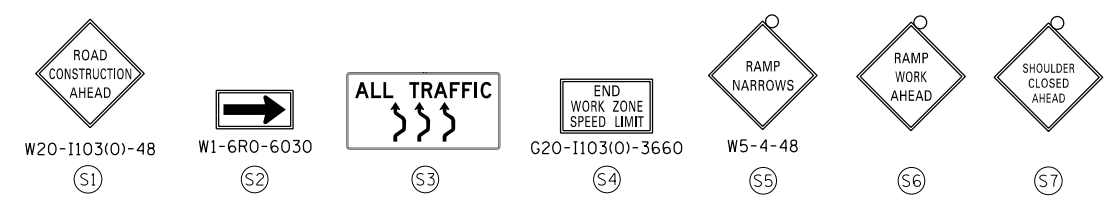
** FROM CONTRACT 60W78 TO REMAIN
 *** FROM CONTRACT 60X30 TO REMAIN

- 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
 - REMOVAL LIMITS
 - TEMPORARY PAVEMENT

TRAFFIC CONTROL LAYOUT INFORMATION

POINT		STATION	OFFSET	LT/RT	BASELINE
1	PCC	1318+88.77	2.0'	RT	P-CIR-SWI
2	PC	1317+73.07	2.0'	RT	P-CIR-SWI
3		1319+29.19	16.2'	LT	P-CIR-SWI
4		1318+92.87	19.0'	LT	P-CIR-SWI
5		1318+41.45	14.0'	LT	P-CIR-SWI
6		1317+73.07	16.0'	LT	P-CIR-SWI

POINT LOCATION



FILE PATH = \\unetg1\p001\proj\proj\60282877\000_CAD_006-Roadway\Printing\60282877-2016-03-14-60282877-FINAL_PLOT.DWG:77-Sht-Staging-ML-1A-04.dgn

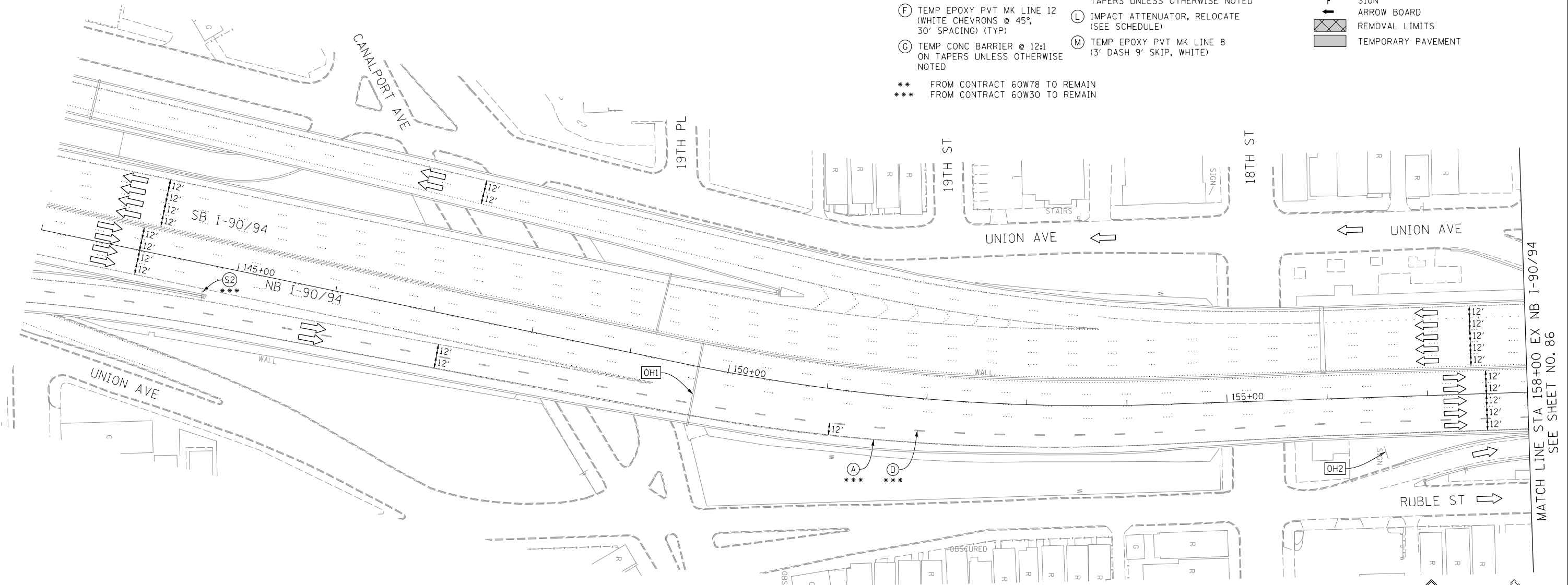
<p>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-1700 FAX: (312) 373-6800</p>	D160777-Sht-Staging-ML-1A-04.dgn USER NAME = dshevoz PLOT SCALE = 100.0000' / in. PLOT DATE = 3/15/2016	DESIGNED - OPS DRAWN - ZND CHECKED - DBM DATE - 3/14/2016	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN MAINLINE STAGING 1A	SCALE: 1" = 50' SHEET 4 OF 5 SHEETS STA. 18+00 TO STA. 33+00	F.A.I. R.E. 90/94/290	SECTION 2014-003R&B	COUNTY COOK	TOTAL SHEETS 431	SHEET NO. 84
	CONTRACT NO. 60X77 ILLINOIS FED. AID PROJECT										

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

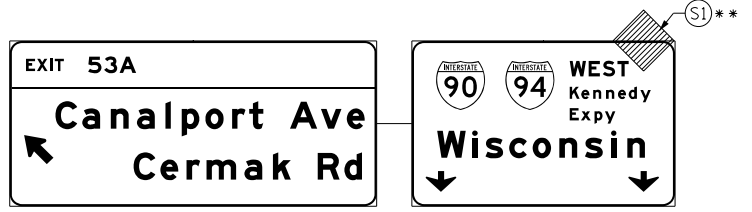
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 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
- (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
 - REMOVAL LIMITS
 - TEMPORARY PAVEMENT

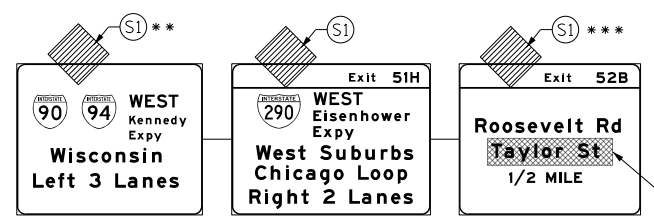
** FROM CONTRACT 60W78 TO REMAIN
 *** FROM CONTRACT 60W30 TO REMAIN



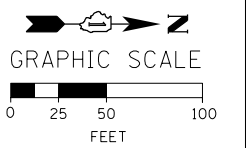
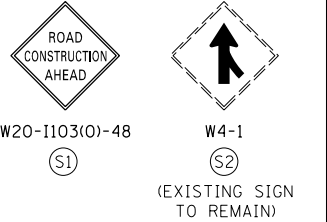
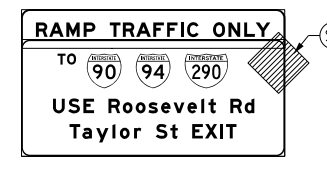
EXISTING OVERHEAD SIGN LOCATED APPROX AT STA 130+00 EX I-90/94 OVER I-55 TO NB I-90/94 RAMP



OH1 EXISTING OVERHEAD SIGNS



OH2 UNCOVER EXISTING GROUND MOUNTED SIGN



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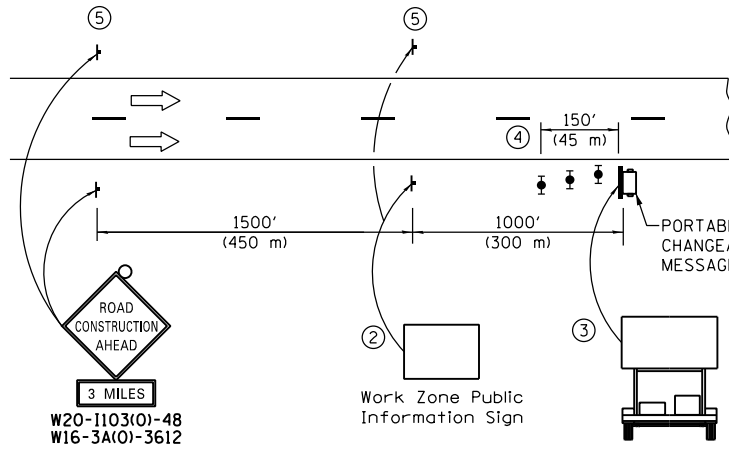
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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

SCALE: 1" = 50' SHEET 6 OF 10 SHEETS STA. 143+00 TO STA. 158+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	85
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

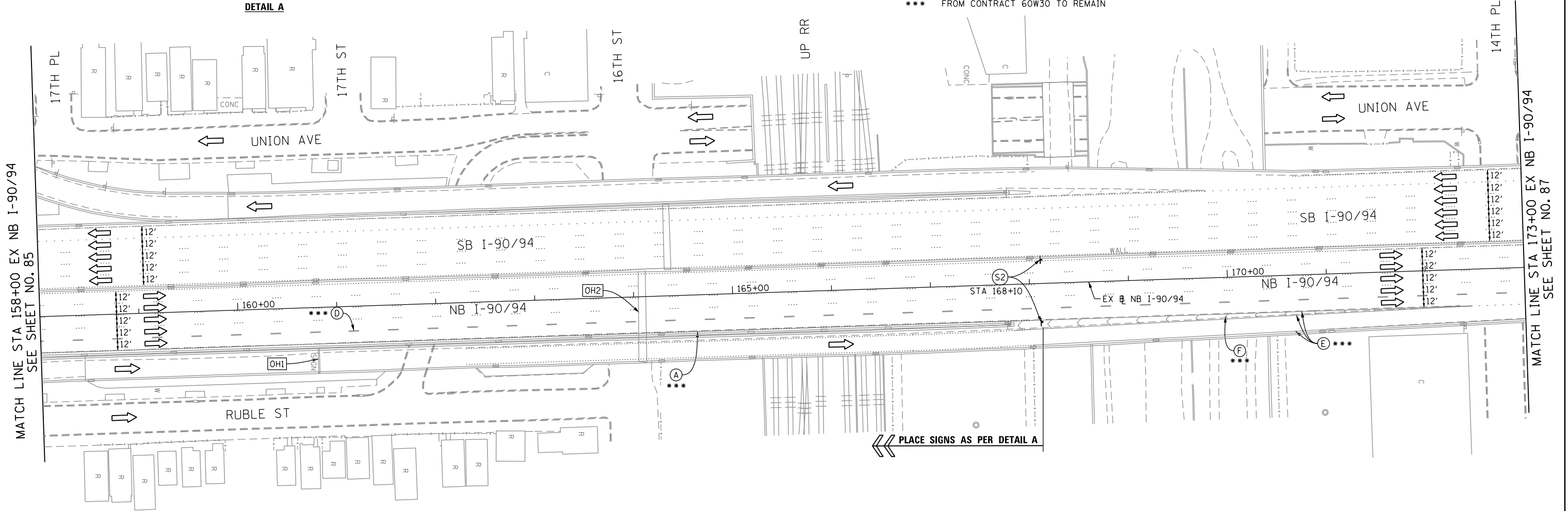


DETAIL A

- 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 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)
- ** FROM CONTRACT 60W78 TO REMAIN
 *** FROM CONTRACT 60W30 TO REMAIN

- 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
 - REMOVAL LIMITS
 - TEMPORARY PAVEMENT

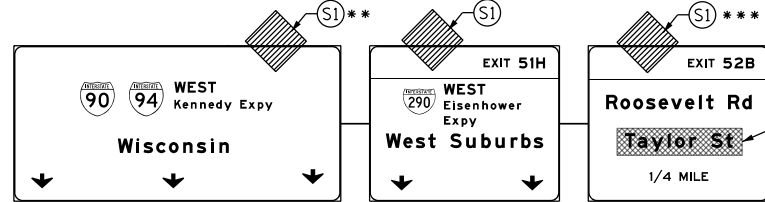
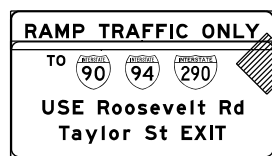


MATCH LINE STA 158+00 EX NB I-90/94
SEE SHEET NO. 85

MATCH LINE STA 173+00 EX NB I-90/94
SEE SHEET NO. 87

[OH1] EXISTING OVERHEAD SIGN

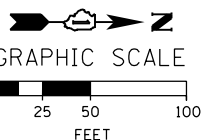
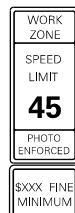
[OH2] EXISTING OVERHEAD SIGNS



COVER EXISTING SIGN ***



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



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 PLOT DATE = 4/28/2016

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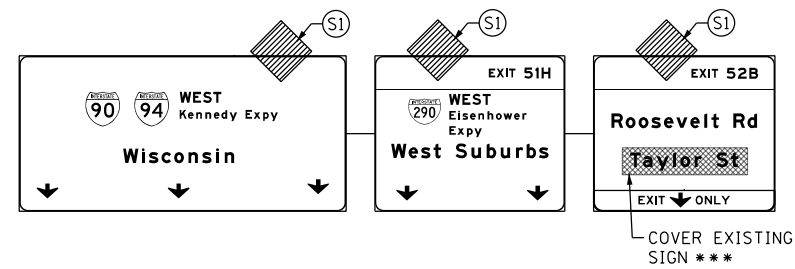
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

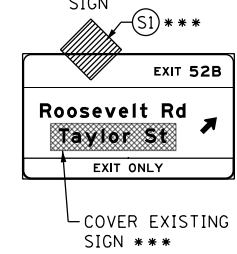
SCALE: 1" = 50' SHEET 7 OF 10 SHEETS STA. 158+00 TO STA. 173+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	86
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

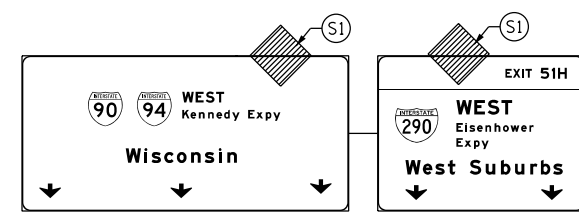
[OH1] EXISTING OVERHEAD SIGNS



[OH2] EXISTING OVERHEAD SIGN



[OH3] EXISTING OVERHEAD SIGNS TO REMAIN



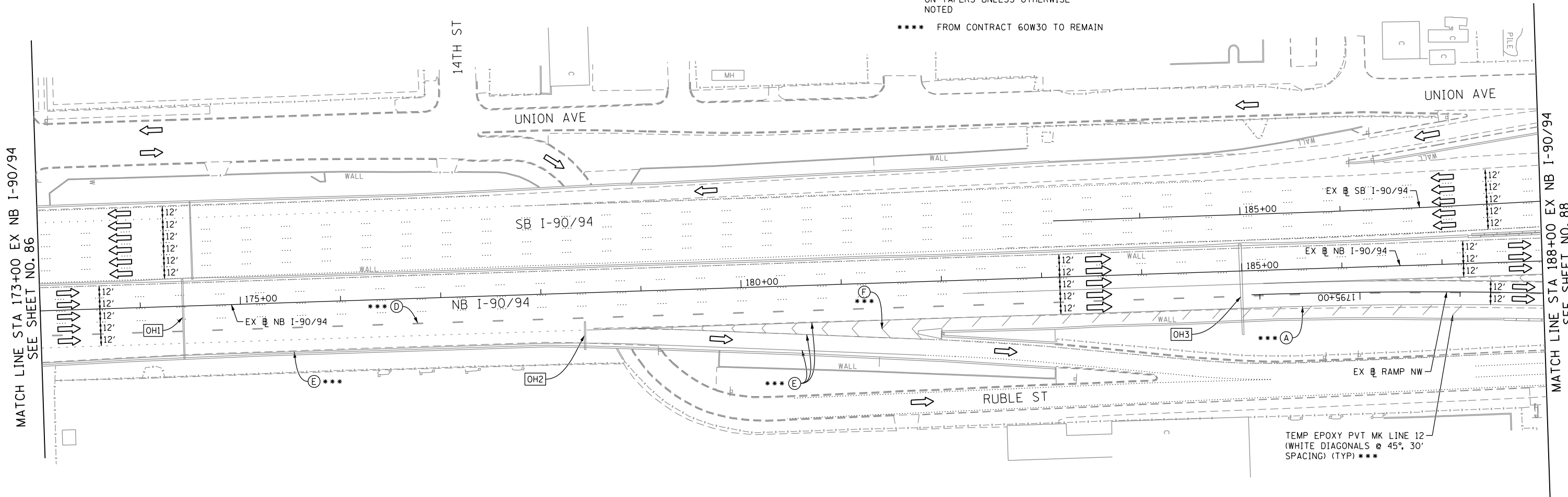
PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (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)

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
- REMOVAL LIMITS
- TEMPORARY PAVEMENT

**** FROM CONTRACT 60W30 TO REMAIN

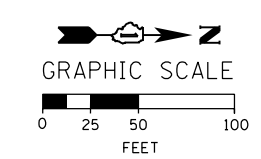


MATCH LINE STA 173+00 EX NB I-90/94 SEE SHEET NO. 86

MATCH LINE STA 188+00 EX NB I-90/94 SEE SHEET NO. 88



W20-1103(O)-48
(S1)



D160X77-Sht-Staging-ML-1A-07
USER NAME = PATELP2
PLOT SCALE = 100.0000' / in.
PLOT DATE = 4/26/2016

DESIGNED - OPS	REVISED -
DRAWN - PHP	REVISED -
CHECKED - MC	REVISED -
DATE - 4/27/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: 1" = 50' SHEET 8 OF 10 SHEETS STA. 173+00 TO STA. 188+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	87
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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NOTES:

- ALL NB I-90/94 LANE CONFIGURATION AND SIGNING TO REMAIN FROM CONTRACT 60W30.
- FOR RUBLE ST CLOSURE COORDINATE WITH CONTRACT 60W30. SEE TAYLOR STREET STAGING PLAN AND DETOUR PLAN FOR SIGNING.
- COOPERATION BETWEEN CONTRACTORS WILL BE REQUIRED. SEE TRAFFIC CONTROL GENERAL NOTES FOR DETAIL.

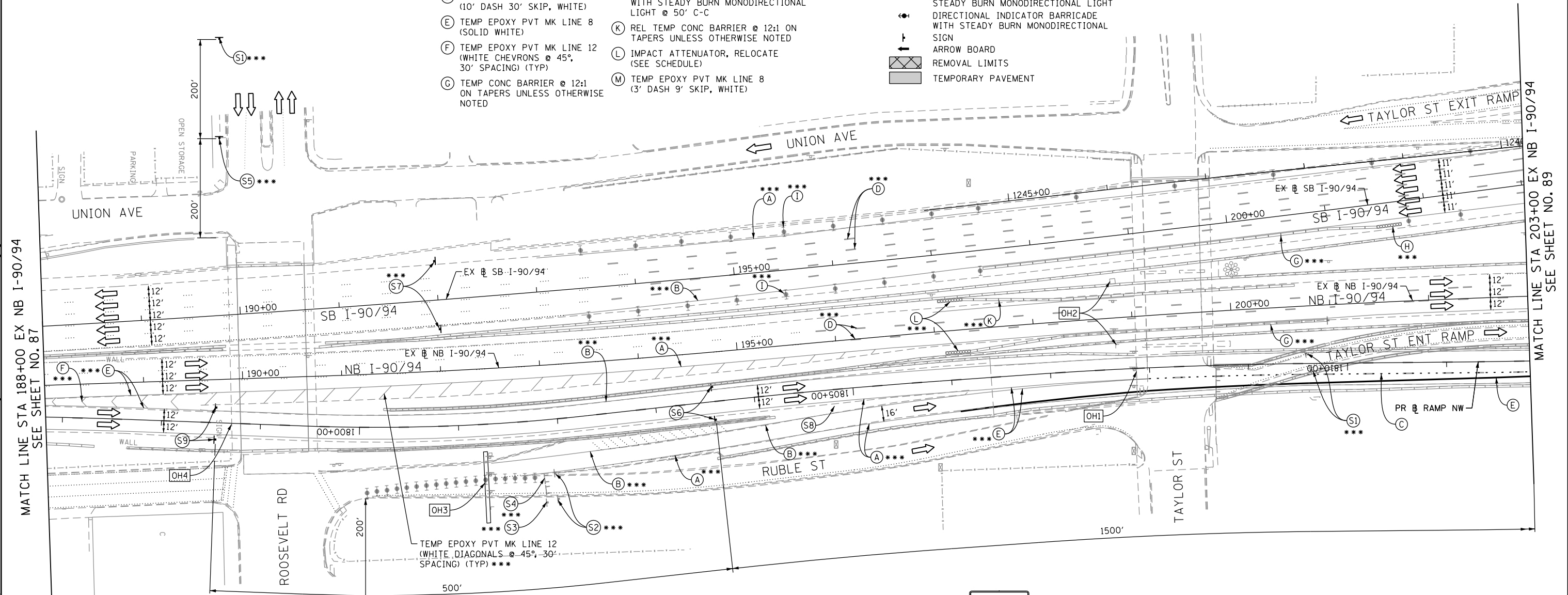
PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (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:

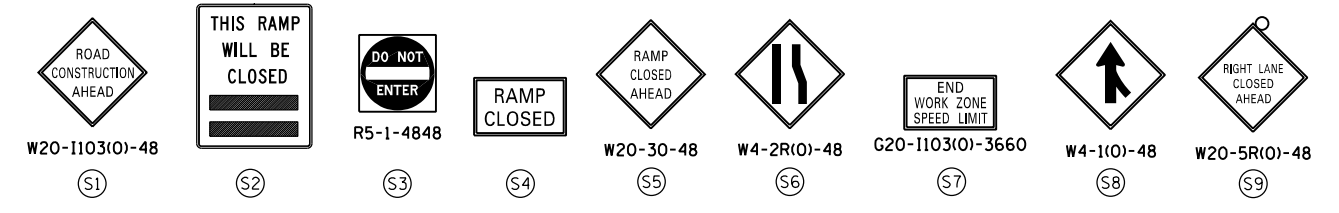
- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL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

** FROM CONTRACTS 60X78 TO REMAIN
 *** FROM CONTRACTS 60W30 TO REMAIN

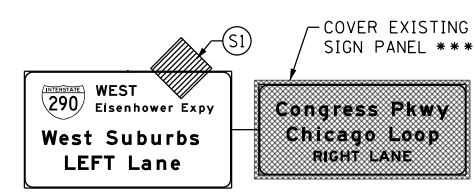


MATCH LINE STA 188+00 EX NB I-90/94 SEE SHEET NO. 87

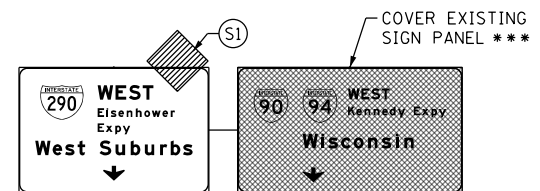
MATCH LINE STA 203+00 EX NB I-90/94 SEE SHEET NO. 89



OH4 EXISTING OVERHEAD SIGNS



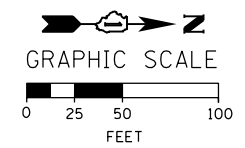
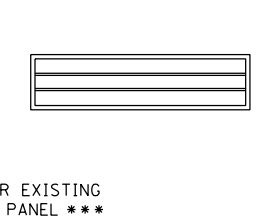
OH3 EXISTING OVERHEAD SIGNS



OH1 INSTALL BRIDGE MOUNTED SIGN PANELS



OH2 EXISTING DMS



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

SCALE: 1" = 50' SHEET 9 OF 10 SHEETS STA. 188+00 TO STA. 203+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	88
CONTRACT NO. 60X77				
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)

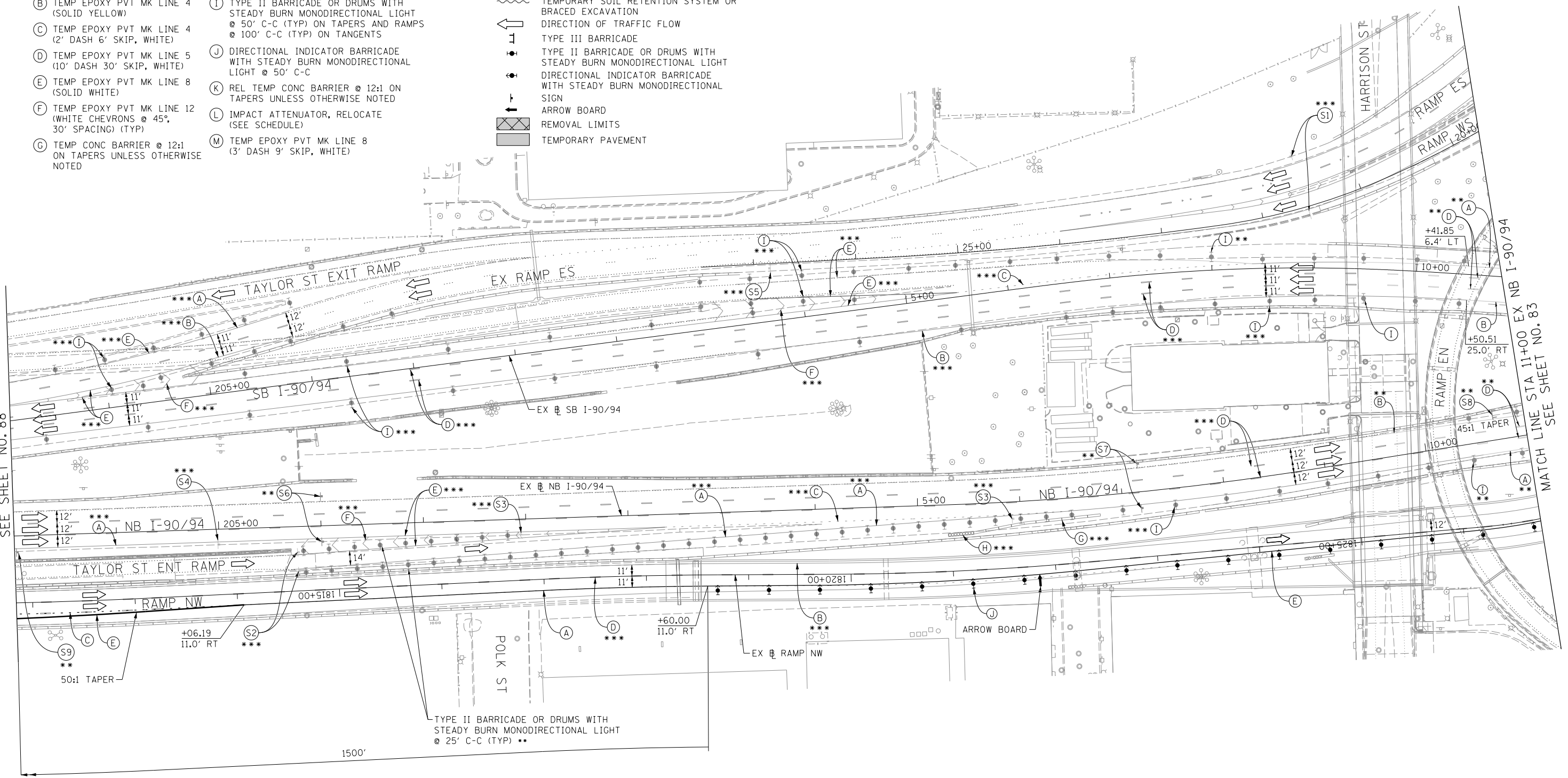
LEGEND:

- 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
- REMOVAL LIMITS
- TEMPORARY PAVEMENT

** FROM CONTRACT 60W78 TO REMAIN
 *** FROM CONTRACT 60W30 TO REMAIN

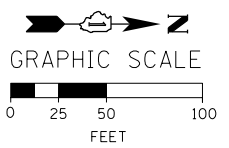
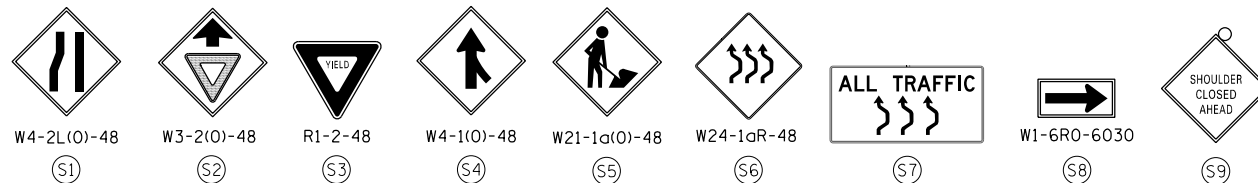
MATCH LINE STA 203+00 EX NB I-90/94 SEE SHEET NO. 88

MATCH LINE STA 11+00 EX NB I-90/94 SEE SHEET NO. 83



NOTES:

- ALL TRAVEL LANES ON NB AND SB I-90/94 AND STAGING SIGNS SHALL BE MAINTAINED AS PER CONTRACTS 60W30 AND 60X78.
- COOPERATION BETWEEN CONTRACTORS WILL BE REQUIRED. SEE TRAFFIC CONTROL GENERAL NOTES FOR DETAIL.
- STATION AND OFFSETS SHALL BE FROM THE EXISTING I-90/94 SB AND NB BASELINES.



FILE PATH = \\unetgl-fs001\prod\prod\Projects\60X77-2016-03-14-60X77-FINAL_PLOT\0160X77-Sht-Staging-ML-1A-09.dgn



D160X77-Sht-Staging-ML-1A-09.dgn
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 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 3/15/2016

DESIGNED - OPS	REVISED -
DRAWN - PHP	REVISED -
CHECKED - MC	REVISED -
DATE - 3/14/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
 MAINLINE STAGING 1A**
 SCALE: 1" = 50' SHEET 10 OF 10 SHEETS STA. 203+00 TO STA. 11+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	89
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\6179-P\INT\pacom\line\local\AECOM_D902_ML\Documents\01_Americas\T\enp\station\60269938_Circle\Phase_11\000_CAD\006_Roadway\Sheets\60X77_Contract\0160X77-Sht-Staging-ML-1B-00

NOTES:

- ALL TRAVEL LANES ON EB I-290, RAMP EN, AND RAMP ES SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X78 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.

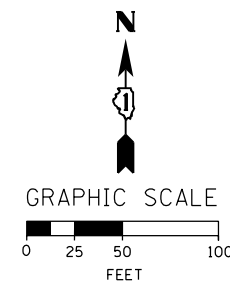
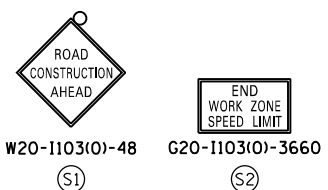
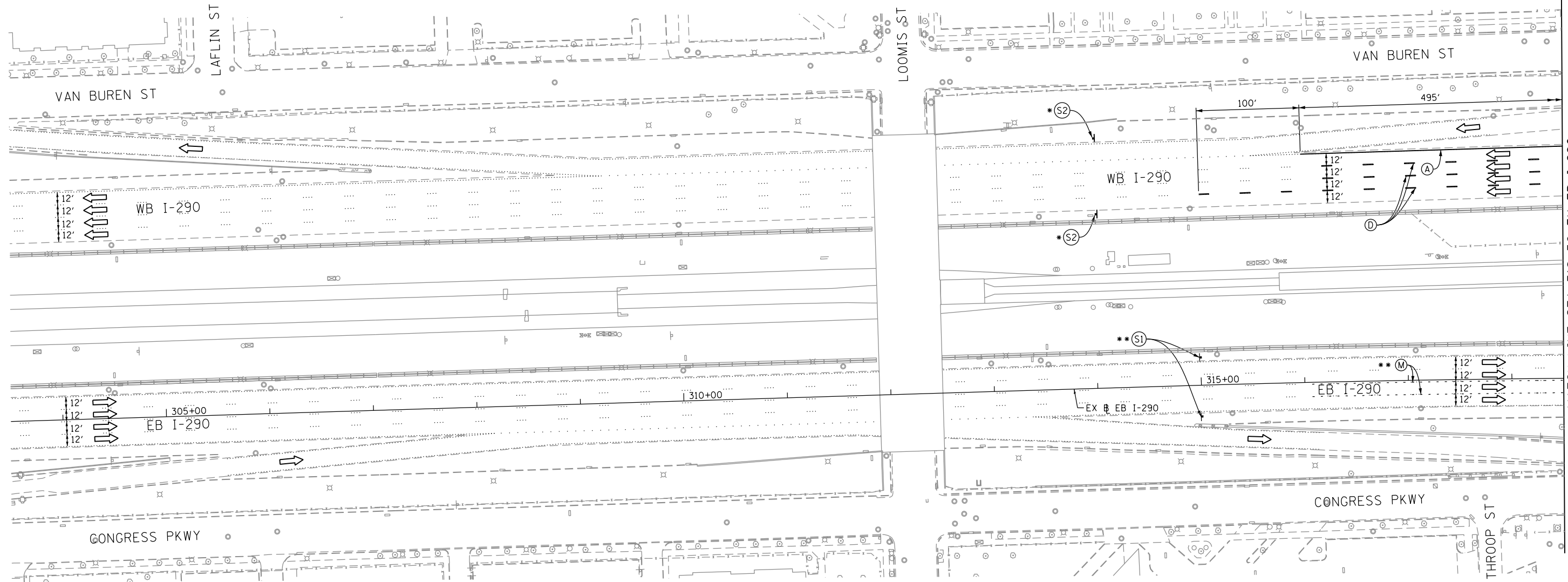
* FROM PREVIOUS STAGE TO REMAIN
 ** FROM CONTRACT 60X78 TO REMAIN

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)

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
- REMOVAL LIMITS
- TEMPORARY PAVEMENT



D160X77-Sht-Staging-ML-1B-00
 USER NAME = PATELP2
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 4/26/2016

DESIGNED - PHP	REVISED -
DRAWN - ZND	REVISED -
CHECKED - DBM	REVISED -
DATE - 4/27/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
 MAINLINE STAGING 1B**
 SCALE: 1" = 50' SHEET 1 OF 10 SHEETS STA. 303+50 TO STA. 318+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	90
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL LAYOUT INFORMATION

POINT		STATION	OFFSET	LT/RT	BASELINE
1		5250+87.94	8.0'	LT	P-IKE-WB
2		5250+65.00	10.0'	LT	P-IKE-WB
3	PT	5249+84.19	8.0'	LT	P-IKE-WB
4	PC	5247+09.63	6.7'	LT	P-IKE-WB
5		5240+91.99	24.0'	RT	P-IKE-WB

○ POINT LOCATION

NOTES:

- ALL TRAVEL LANES ON EB I-290, RAMP EN, AND RAMP ES SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X78 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.

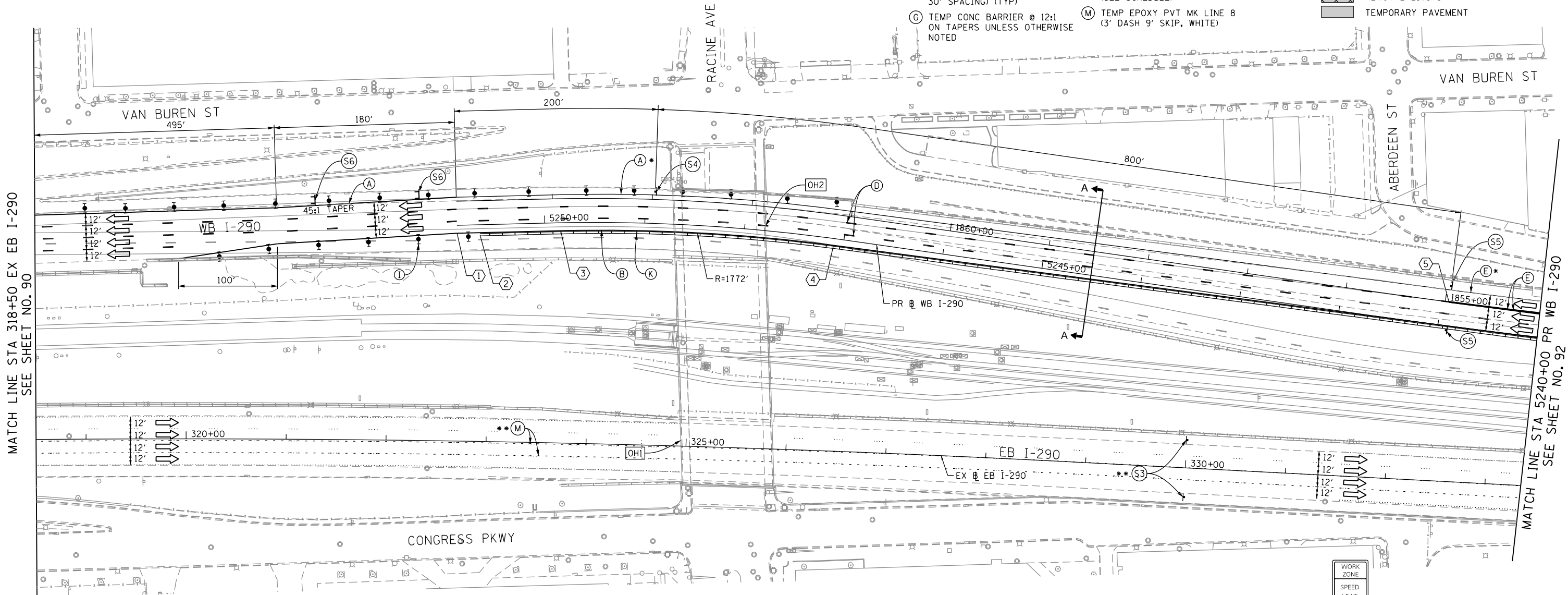
* FROM PREVIOUS STAGE TO REMAIN
 ** FROM CONTRACT 60X78 TO REMAIN

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 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
- REMOVAL LIMITS
- TEMPORARY PAVEMENT

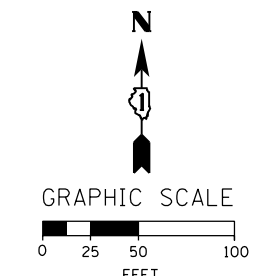
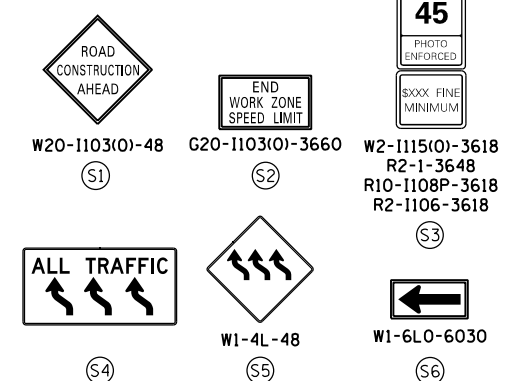
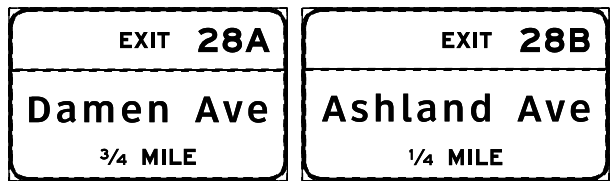
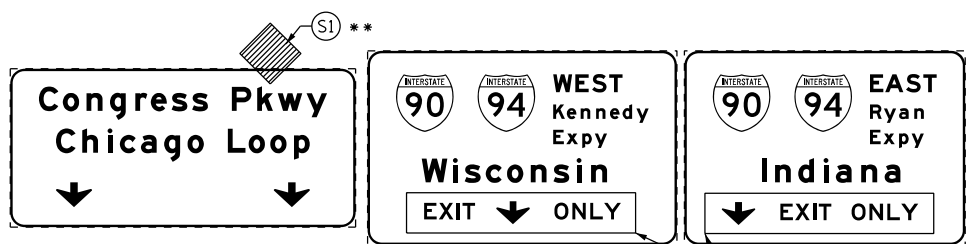


MATCH LINE STA 318+50 EX EB I-290 SEE SHEET NO. 90

MATCH LINE STA 5240+00 PR WB I-290 SEE SHEET NO. 92

(OH1) EXISTING OVERHEAD SIGNS TO REMAIN

(OH2) EXISTING OVERHEAD SIGNS TO REMAIN



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USER NAME = PATELP2	DRAWN - ZND	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - DBM	REVISED -
PLOT DATE = 4/26/2016	DATE - 4/27/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
 MAINLINE STAGING 1B
 SCALE: 1" = 50' SHEET 2 OF 10 SHEETS STA. 318+50 TO STA. 5240+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	91
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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NOTES:

- ALL TRAVEL LANES ON EB I-290, RAMP EN, AND RAMP ES SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X78 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.

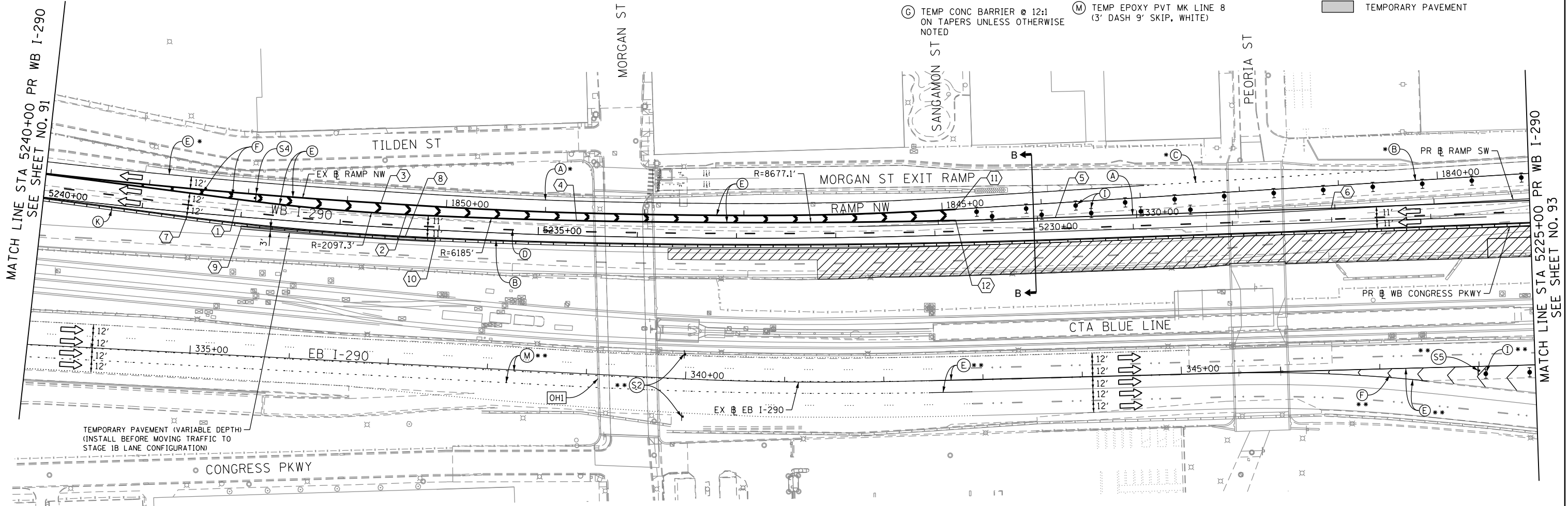
- * FROM PREVIOUS STAGE TO REMAIN
- ** FROM CONTRACT 60X78 TO REMAIN

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)

LEGEND:

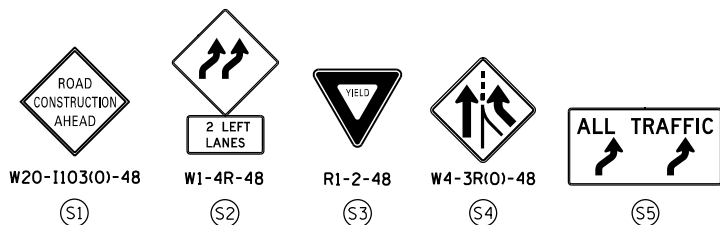
- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL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



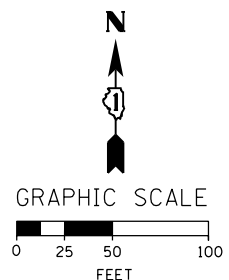
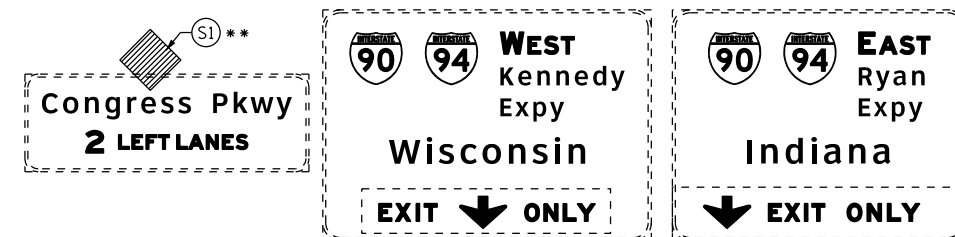
TRAFFIC CONTROL LAYOUT INFORMATION

POINT		STATION	OFFSET	LT/RT	BASELINE
1	PT	5238+04.12	17.3'	RT	P-IKE-WB
2	PCC	5236+33.70	14.0'	RT	P-IKE-WB
3		1850+66.04	0.0'	-	P-CIR-NW
4	PCC	5234+61.80	15.2'	RT	P-IKE-WB
5	PC	5229+78.20	14.0'	RT	P-IKE-WB
6	PI	5227+00.00	14.0'	RT	P-IKE-WB
7	PT	5238+54.45	4.6'	LT	P-IKE-WB
8	PC	5236+33.54	8.0'	LT	P-IKE-WB
9		5237+99.19	12.0'	LT	P-IKE-WB
10		5236+03.28	12.0'	LT	P-IKE-WB
11		1844+86.60	0.0'	-	P-CIR-NW
12		1844+87.04	11.3'	LT	P-CIR-NW

POINT LOCATION



EXISTING OVERHEAD SIGNS TO REMAIN



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D160X77-Sht-Staging-ML-1B-02
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 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 4/27/2016

DESIGNED - PHP
 DRAWN - ZND
 CHECKED - DBM
 DATE - 4/27/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

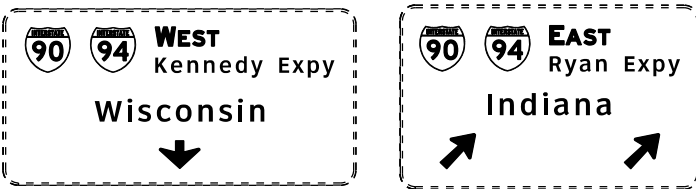
SCALE: 1" = 50' SHEET 3 OF 10 SHEETS STA. 5225+00 TO STA. 5240+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	92
CONTRACT NO. 60X77				
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

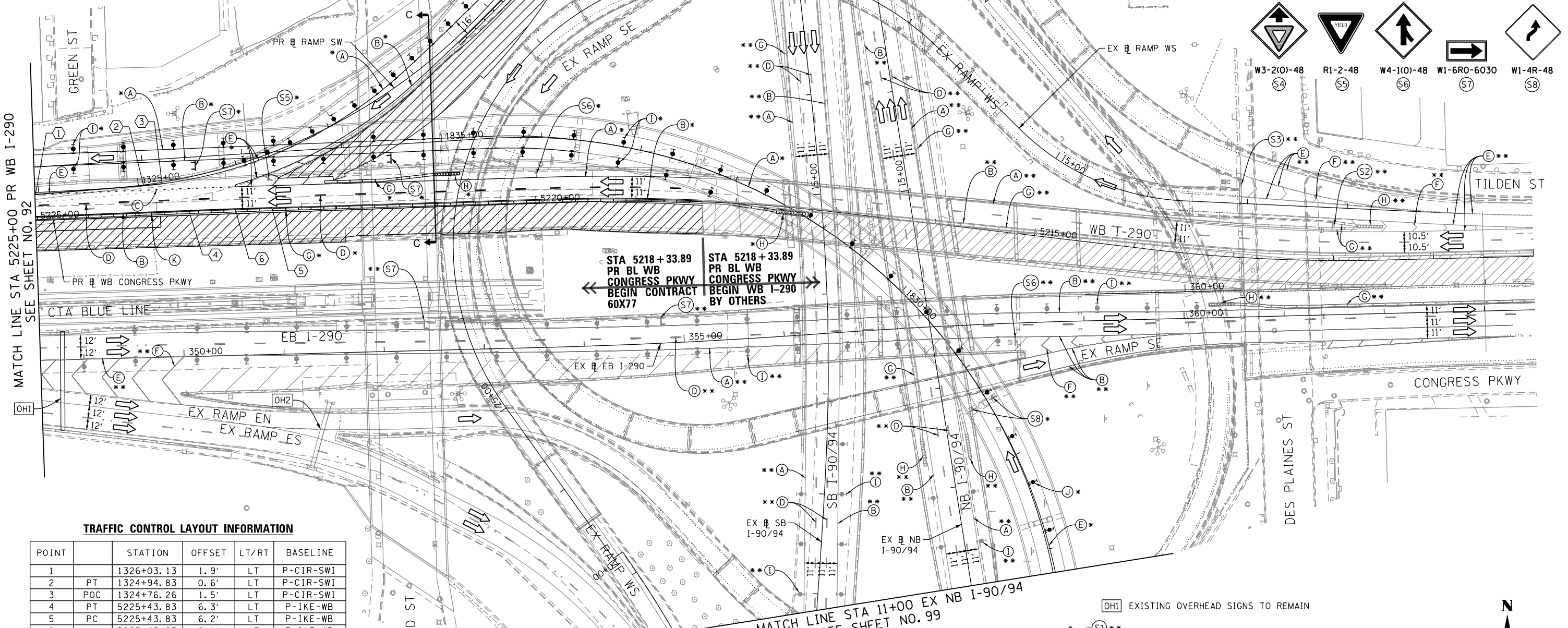
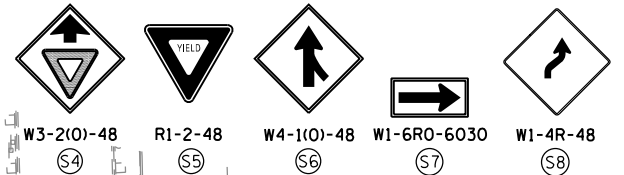
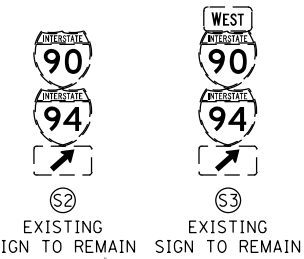


NOTES:

- 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.

LEGEND:

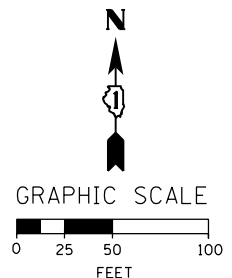
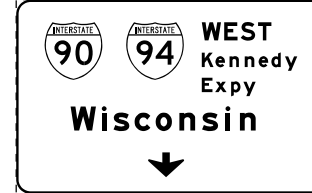
- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL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



TRAFFIC CONTROL LAYOUT INFORMATION

POINT	STATION	OFFSET	LT/RT	BASELINE
1	1326+03.13	1.9'	LT	P-CIR-SWI
2	1324+94.83	0.6'	LT	P-CIR-SWI
3	1324+76.26	1.5'	LT	P-CIR-SWI
4	5225+43.83	6.3'	LT	P-IKE-WB
5	5225+43.83	6.2'	LT	P-IKE-WB
6	5225+43.83	8.1'	LT	P-IKE-WB

POINT LOCATION



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D160X77-Sht-Staging-ML-1B-03
 USER NAME = PATELP2
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 PLOT DATE = 4/26/2016

DESIGNED - PHP
 DRAWN - ZND
 CHECKED - DBM
 DATE - 4/27/2016

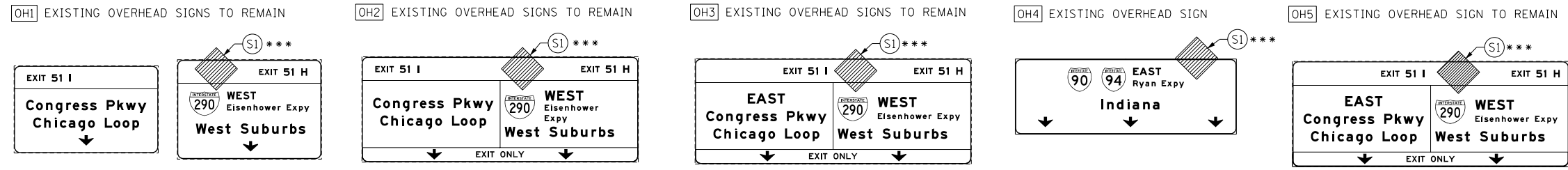
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

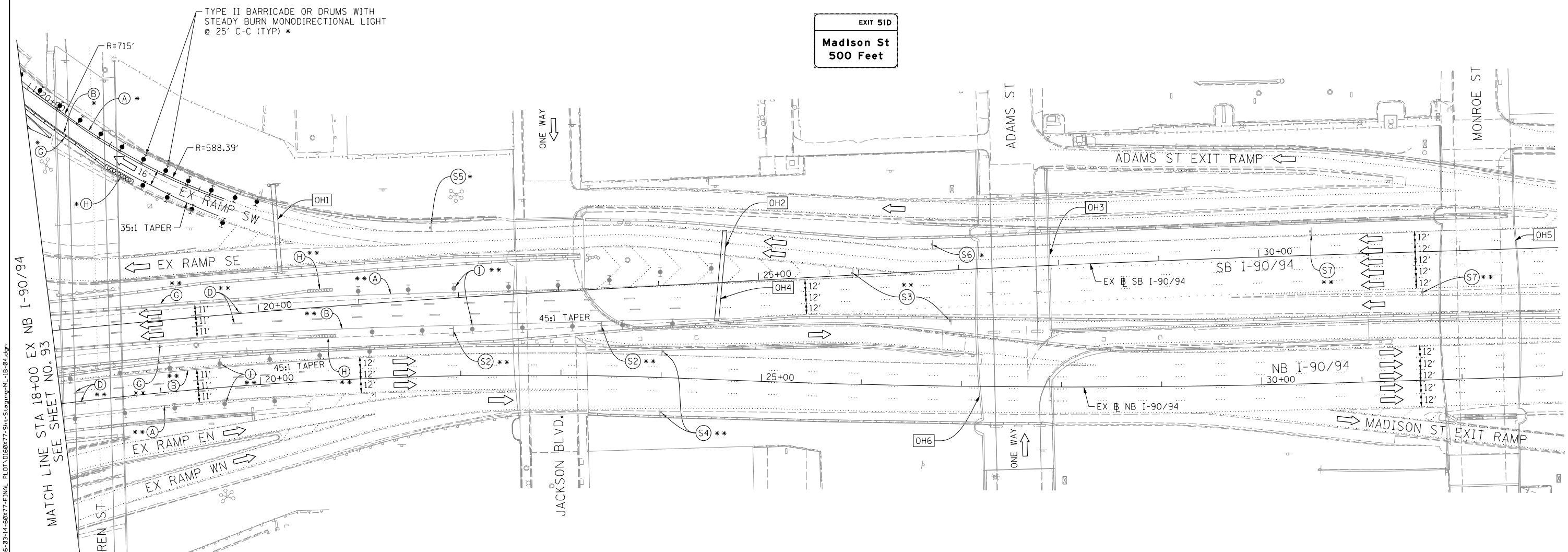
SCALE: 1" = 50' SHEET 4 OF 10 SHEETS STA. 5225+00 TO STA. 5210+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	93

CONTRACT NO. 60X77
 ILLINOIS FED. AID PROJECT



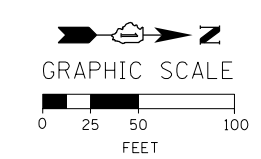
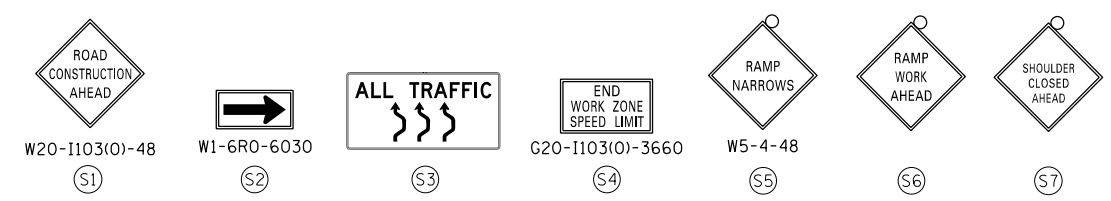
- NOTES:**
1. ALL TRAVEL LANES ON SB AND NB I-90/94 SHALL BE MAINTAINED AS PER CONTRACTS 60W30 AND 60X78.
 2. ALL PAVEMENT MARKING AND SIGNINGS ON SB I-90/94, EXIT RAMP SW AND SE SHALL BE COORDINATED ON FIELD WITH CONTRACTS 60W30 AND 60X78 AND AS PER FIELD ENGINEER.
 3. COOPERATION BETWEEN CONTRACTORS WILL BE REQUIRED. SEE TRAFFIC CONTROL GENERAL NOTES FOR DETAIL.



PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- | | | |
|---|--|-----------------------------------|
| (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE) | (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE) | * FROM PREVIOUS STAGE TO REMAIN |
| (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW) | (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP | ** FROM CONTRACT 60X78 TO REMAIN |
| (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE) | (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C | *** FROM CONTRACT 60W30 TO REMAIN |
| (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE) | (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED | |
| (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE) | (L) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE) | |
| (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP) | (M) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE) | |
| (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED | | |

- 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
 - REMOVAL LIMITS
 - TEMPORARY PAVEMENT



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DATE - 3/14/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
MAINLINE STAGING 1B
 SCALE: 1" = 50' SHEET 5 OF 10 SHEETS STA. 18+00 TO STA. 33+00

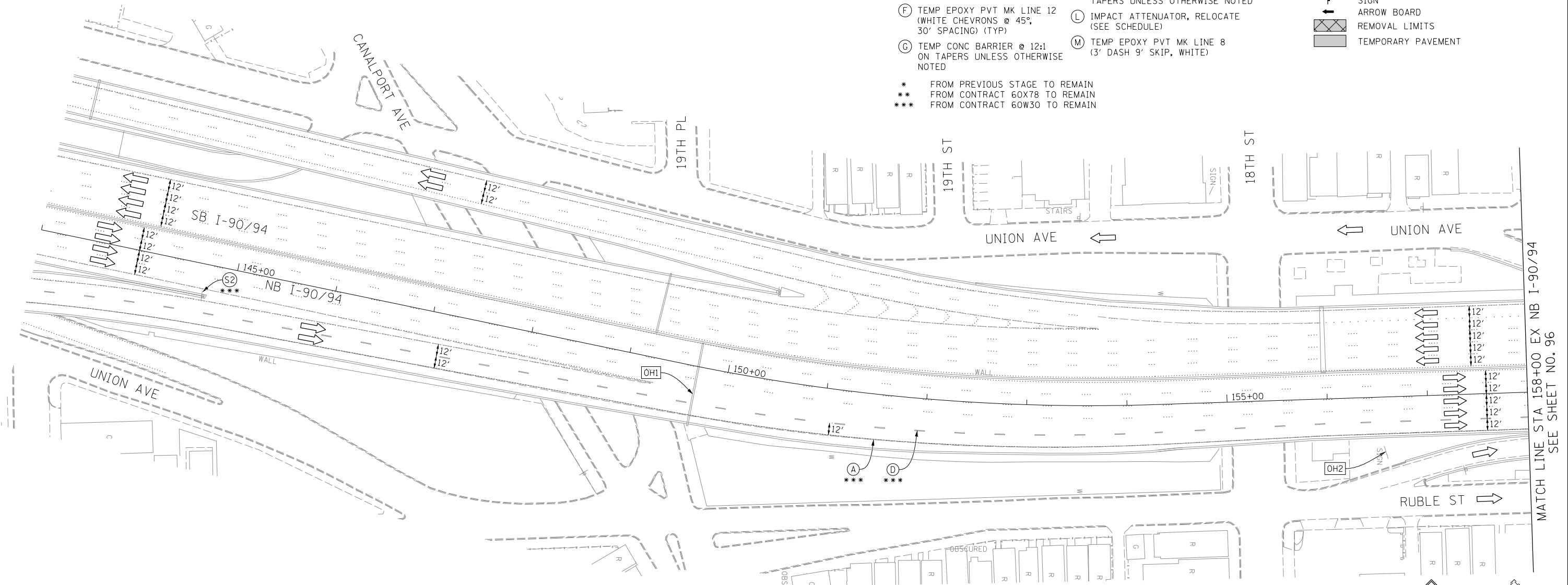
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	94
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

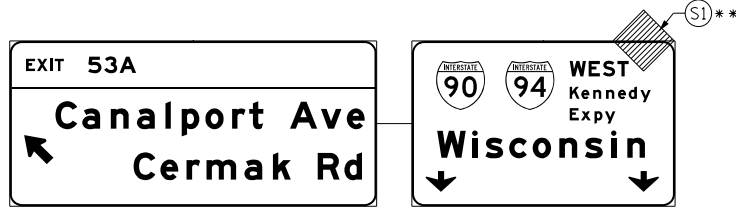
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 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
- (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 PREVIOUS STAGE TO REMAIN
 ** FROM CONTRACT 60X78 TO REMAIN
 *** FROM CONTRACT 60W30 TO REMAIN

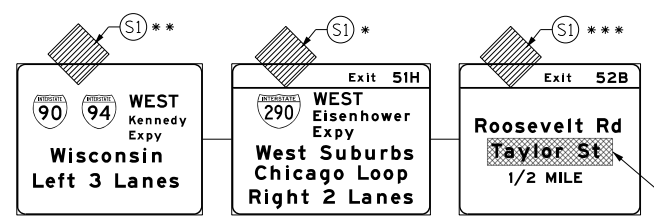
- LEGEND:**
- WORK ZONE
 - TEMPORARY CONCRETE BARRIER
 - TEMPORARY IMPACT ATTENUATOR
 - TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
 - DIRECTION OF TRAFFIC FLOW
 - TYPE III BARRICADE
 - TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
 - DIRECTIONAL INDICATOR BARRICADE WITH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



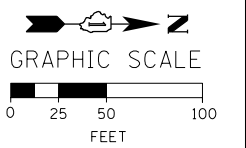
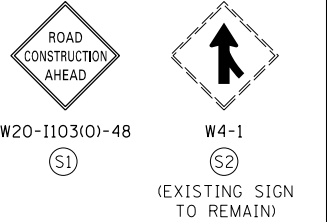
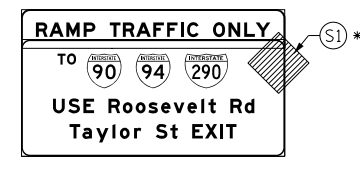
EXISTING OVERHEAD SIGN LOCATED APPROX AT STA 130+00 EX I-90/94 OVER I-55 TO NB I-90/94 RAMP



OH1 EXISTING OVERHEAD SIGNS



OH2 UNCOVER EXISTING GROUND MOUNTED SIGN



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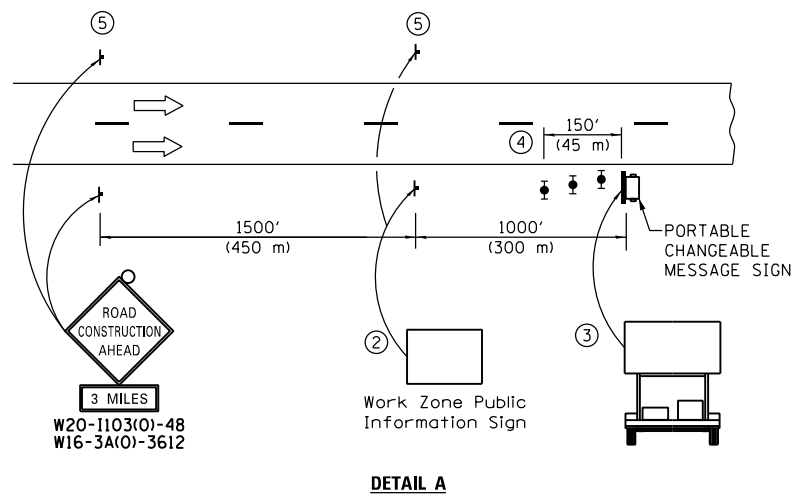
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: 1" = 50' SHEET 6 OF 10 SHEETS STA. 143+00 TO STA. 158+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	95
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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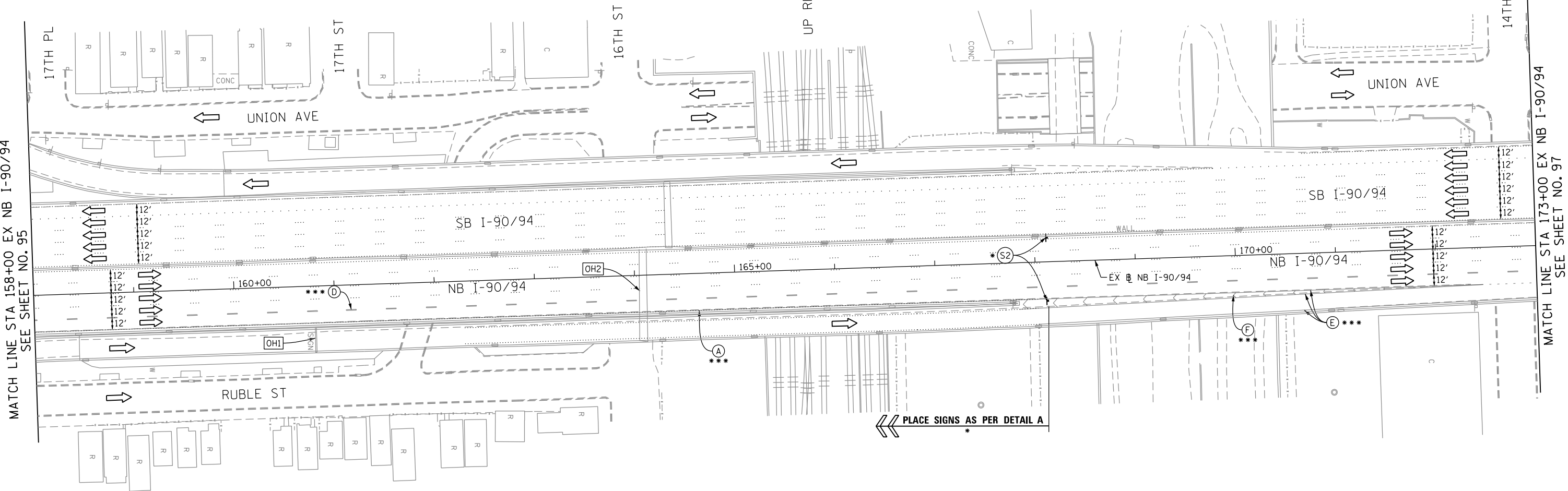
DETAIL A

- 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

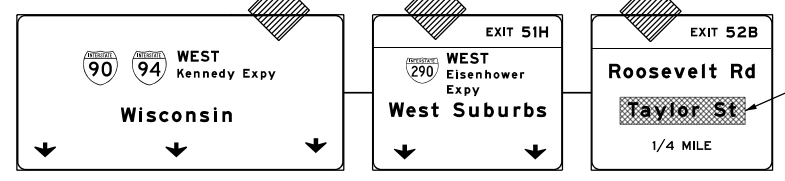
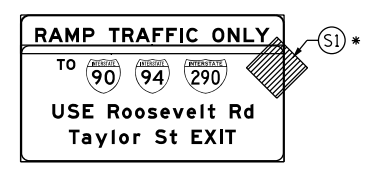
- | | |
|---|--|
| (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE) | (H) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3 (SEE SCHEDULE) |
| (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW) | (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP |
| (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE) | (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C |
| (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE) | (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED |
| (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE) | (L) IMPACT ATTENUATOR, RELOCATE (SEE SCHEDULE) |
| (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP) | (M) TEMP EPOXY PVT MK LINE 8 (3' DASH 9' SKIP, WHITE) |
| (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED | |
- * FROM PREVIOUS STAGE TO REMAIN
 ** FROM CONTRACT 60X78 TO REMAIN
 *** FROM CONTRACT 60W30 TO REMAIN

- 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
 - REMOVAL LIMITS
 - TEMPORARY PAVEMENT

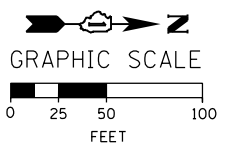
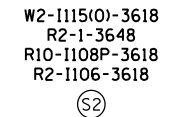


[OH1] EXISTING OVERHEAD SIGN

[OH2] EXISTING OVERHEAD SIGNS



COVER EXISTING SIGN ***



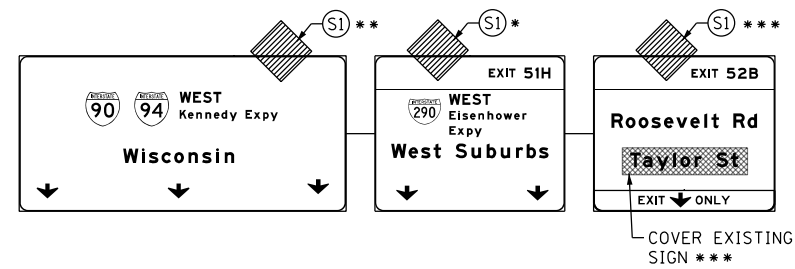
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

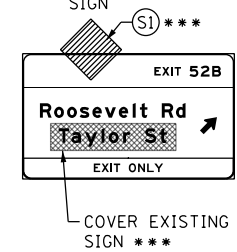
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN		
MAINLINE STAGING 1B		
SCALE: 1" = 50'	SHEET 7 OF 10 SHEETS	STA. 158+00 TO STA. 173+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	96
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

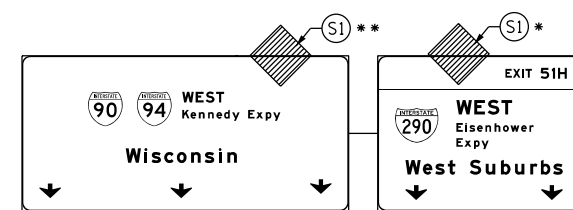
[OH1] EXISTING OVERHEAD SIGNS



[OH2] EXISTING OVERHEAD SIGN



[OH3] EXISTING OVERHEAD SIGNS TO REMAIN



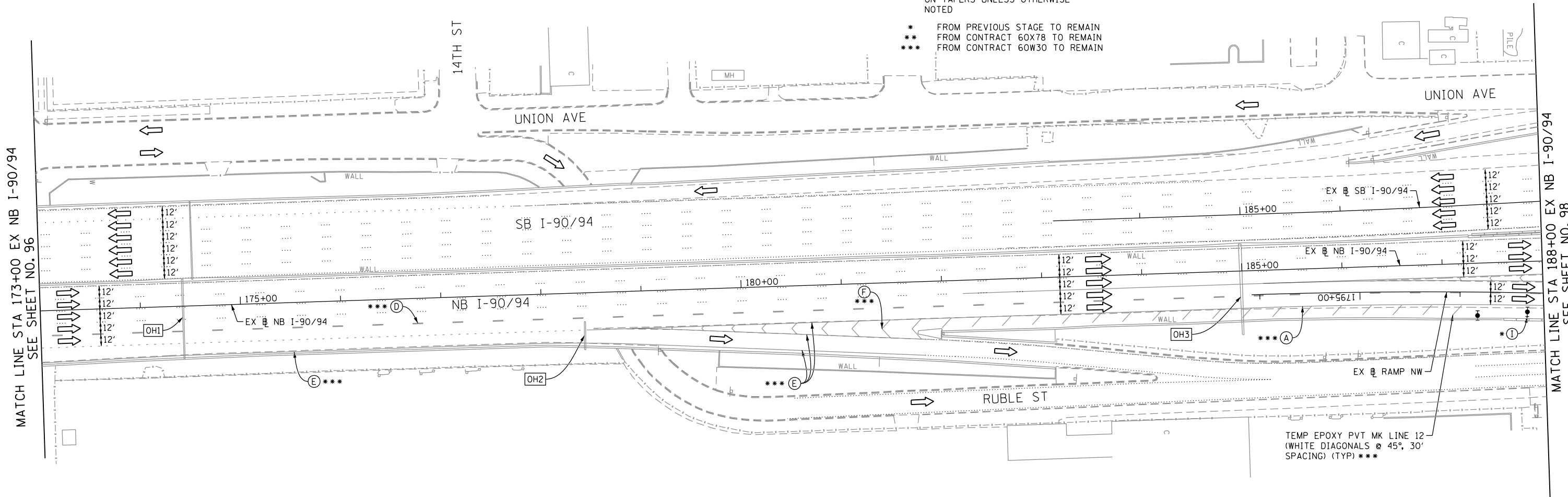
PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (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)

LEGEND:

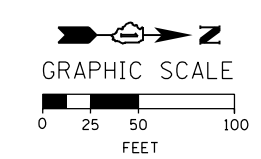
- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
- DIRECTION OF TRAFFIC FLOW
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL SIGN
- ARROW BOARD
- REMOVAL LIMITS
- TEMPORARY PAVEMENT

* FROM PREVIOUS STAGE TO REMAIN
 ** FROM CONTRACT 60X78 TO REMAIN
 *** FROM CONTRACT 60W30 TO REMAIN



MATCH LINE STA 173+00 EX NB I-90/94 SEE SHEET NO. 96

MATCH LINE STA 188+00 EX NB I-90/94 SEE SHEET NO. 98



D160X77-Sht-Staging-ML-18-07
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CHECKED - MC	REVISED -
DATE - 4/27/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
 MAINLINE STAGING 1B**
 SCALE: 1" = 50' SHEET 8 OF 10 SHEETS STA. 173+00 TO STA. 188+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	97
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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NOTES:

- ALL NB I-90/94 LANE CONFIGURATION AND SIGNING TO REMAIN FROM CONTRACT 60W30.
- FOR RUBLE ST CLOSURE COORDINATE WITH CONTRACT 60W30. SEE TAYLOR STREET STAGING PLAN AND DETOUR PLAN FOR SIGNING.
- COOPERATION BETWEEN CONTRACTORS WILL BE REQUIRED. SEE TRAFFIC CONTROL GENERAL NOTES FOR DETAIL.

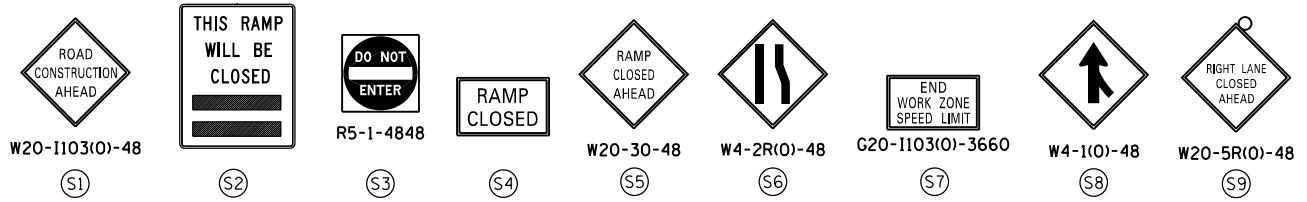
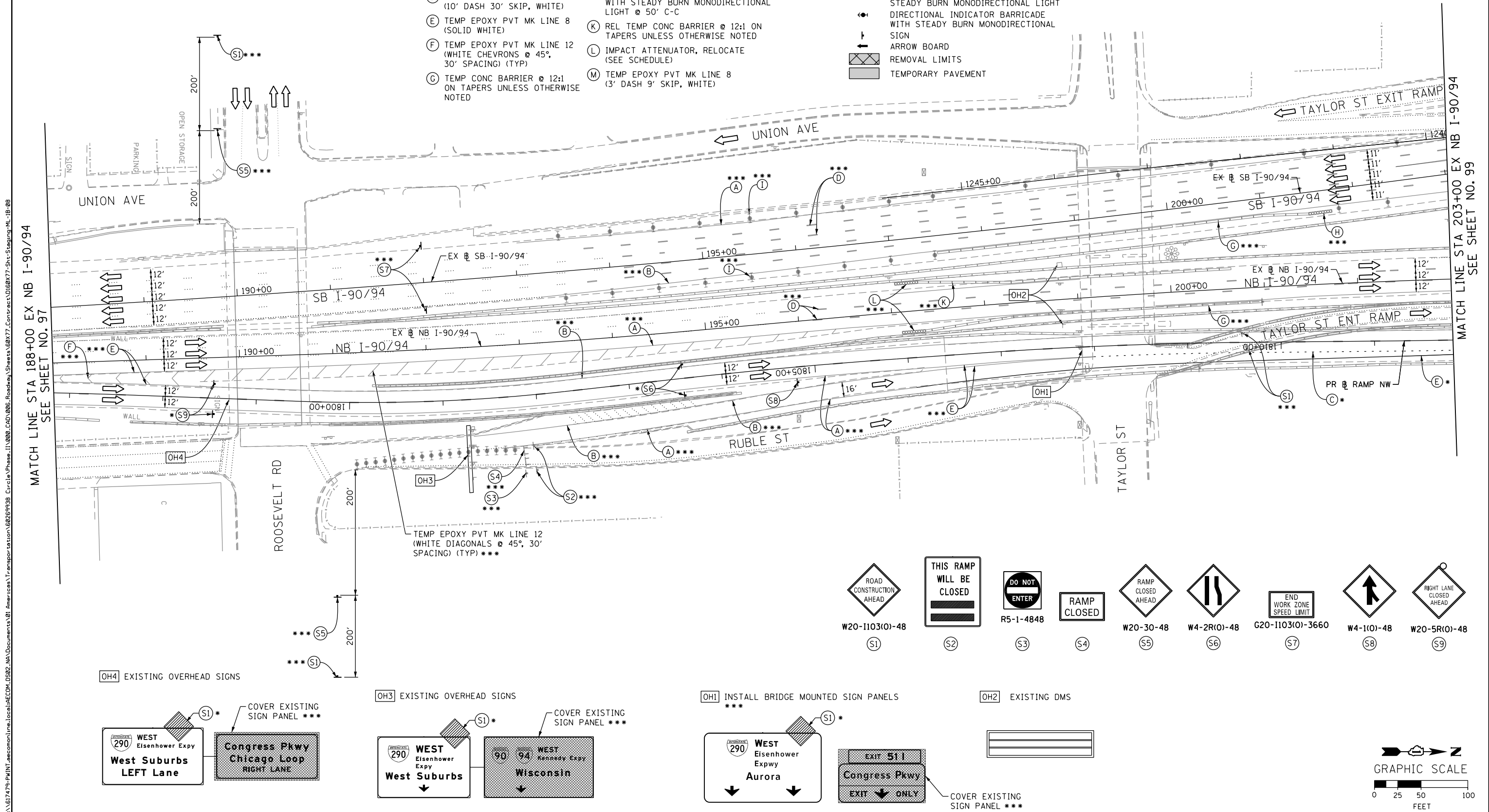
PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

- (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)

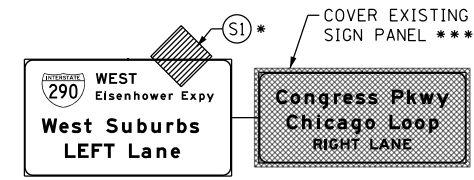
LEGEND:

- 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
- REMOVAL LIMITS
- TEMPORARY PAVEMENT

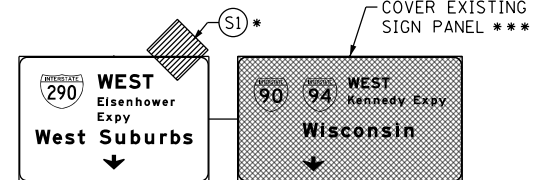
- * FROM PREVIOUS STAGE TO REMAIN
- ** FROM CONTRACTS 60X78 TO REMAIN
- *** FROM CONTRACTS 60W30 TO REMAIN



OH4 EXISTING OVERHEAD SIGNS



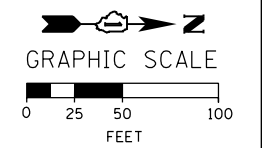
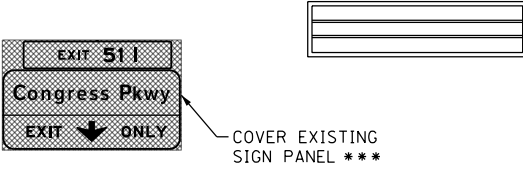
OH3 EXISTING OVERHEAD SIGNS



OH1 INSTALL BRIDGE MOUNTED SIGN PANELS



OH2 EXISTING DMS



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
MAINLINE STAGING 1B
SCALE: 1" = 50' SHEET 9 OF 10 SHEETS STA. 188+00 TO STA. 203+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	98
CONTRACT NO. 60X77				
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)

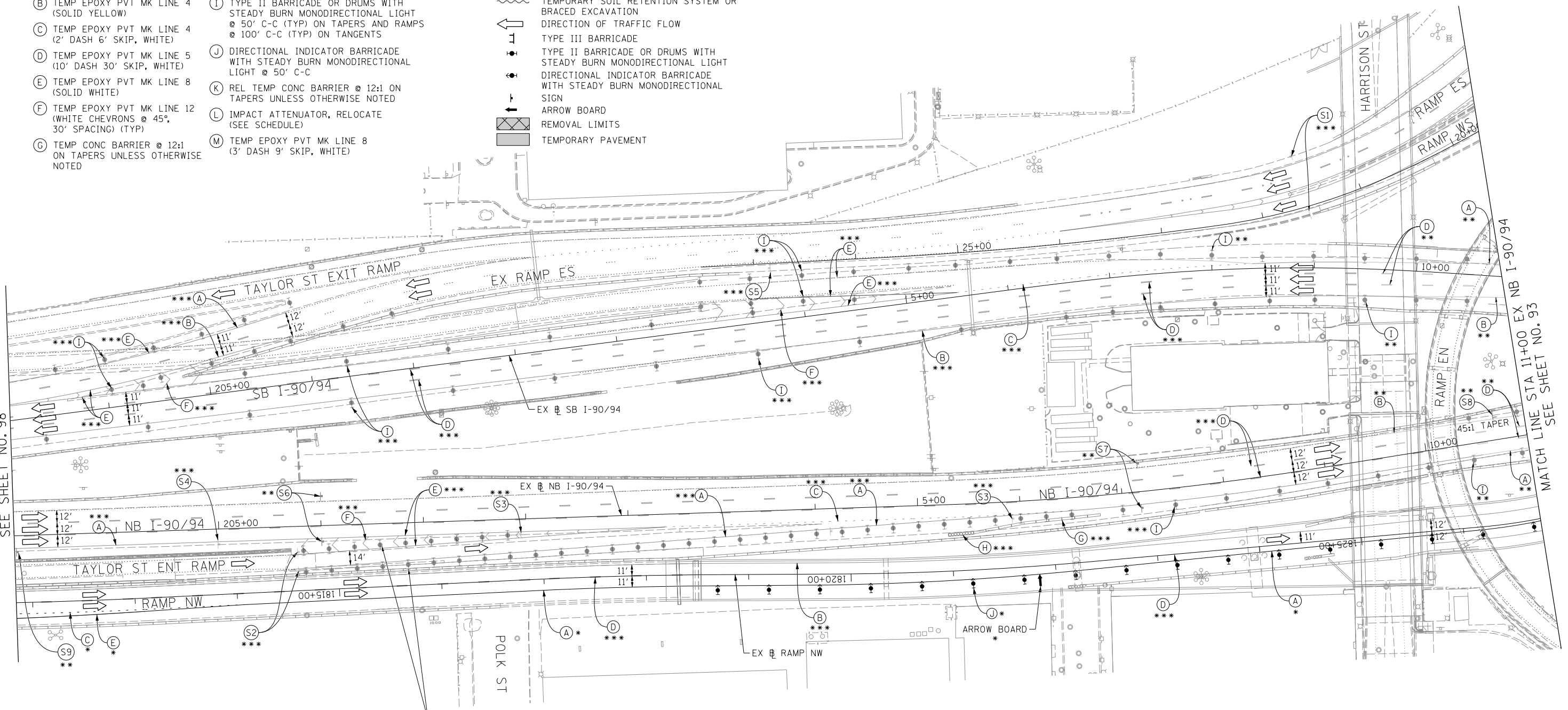
LEGEND:

- 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
- REMOVAL LIMITS
- TEMPORARY PAVEMENT

- * FROM PREVIOUS STAGE TO REMAIN
- ** FROM CONTRACT 60X78 TO REMAIN
- *** FROM CONTRACT 60W30 TO REMAIN

MATCH LINE STA 203+00 EX NB I-90/94 SEE SHEET NO. 98

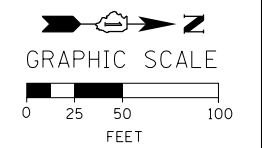
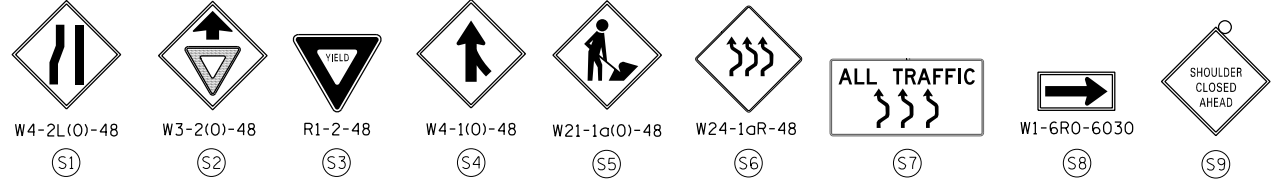
MATCH LINE STA 11+00 EX NB I-90/94 SEE SHEET NO. 93



TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 25' C-C (TYP) ***

NOTES:

- ALL TRAVEL LANES ON NB AND SB I-90/94 AND STAGING SIGNS SHALL BE MAINTAINED AS PER CONTRACTS 60W30 AND 60X78.
- COOPERATION BETWEEN CONTRACTORS WILL BE REQUIRED. SEE TRAFFIC CONTROL GENERAL NOTES FOR DETAIL.
- STATION AND OFFSETS SHALL BE FROM THE EXISTING I-90/94 SB AND NB BASELINES.



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 PLOT DATE = 3/15/2016

DESIGNED - OPS	REVISED -
DRAWN - PHP	REVISED -
CHECKED - MC	REVISED -
DATE - 3/14/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN
 MAINLINE STAGING 1B**
 SCALE: 1" = 50' SHEET 10 OF 10 SHEETS STA. 203+00 TO STA. 11+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	99
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				

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NOTES:

1. ALL TRAVEL LANES ON EB I-290, RAMP EN, AND RAMP ES SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X78 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.

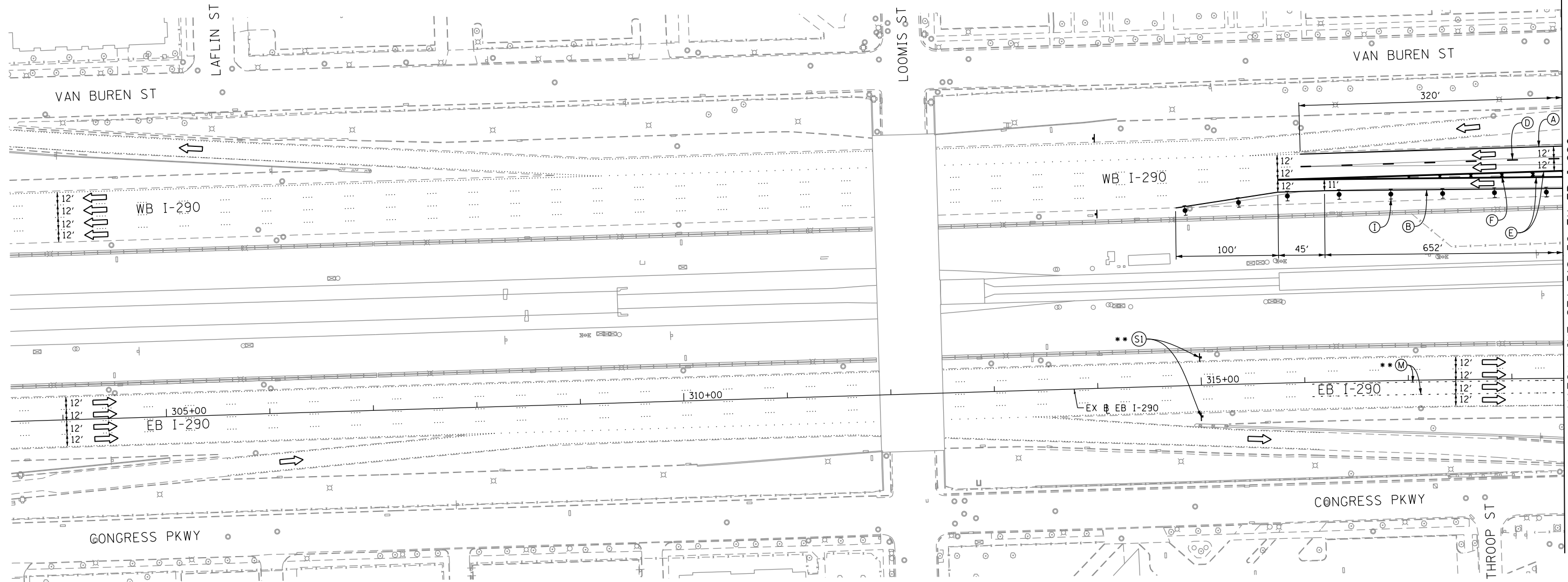
* FROM PREVIOUS STAGE TO REMAIN
 ** FROM CONTRACT 60X78 TO REMAIN

PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES

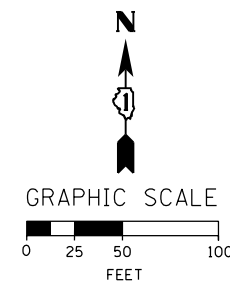
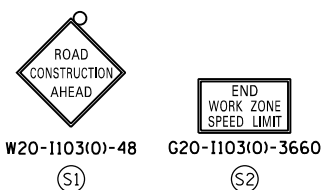
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 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)

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
- REMOVAL LIMITS
- TEMPORARY PAVEMENT



MATCH LINE STA 318+50 EX EB I-290 SEE SHEET NO. 101



D160X77-Sht-Staging-ML-1C-00	DESIGNED - PHP	REVISED -
USER NAME = PATELP2	DRAWN - ZND	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DBM	REVISED -
PLOT DATE = 4/26/2016	DATE - 4/27/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN		
MAINLINE STAGING 1C		
SCALE: 1" = 50'	SHEET 1 OF 10 SHEETS	STA. 303+50 TO STA. 318+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-003R&B	COOK	431	100
CONTRACT NO. 60X77				
ILLINOIS FED. AID PROJECT				