

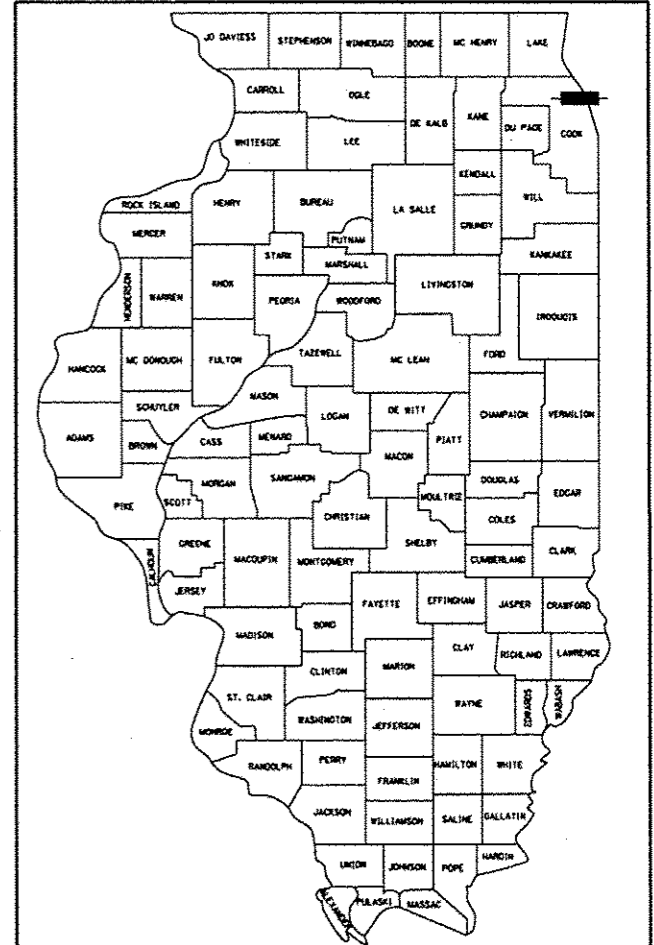
FOR INDEX OF SHEETS AND STANDARDS SEE SHEET NO. 2 AND 3

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PROPOSED  
HIGHWAY PLANS**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	1
ILLINOIS			CONTRACT NO. 60X61	

PROJECT LOCATED IN CITY OF CHICAGO

D-91-227-13



LOCATION OF SECTION INDICATED THUS: -

CIRCLE INTERCHANGE - I-290 MAINLINE  
OUTBOUND LANES (WB)  
(PEORIA ST TO RACINE AVE)  
SECTION 2013-077R  
RETAINING WALL CONSTRUCTION,  
ROADWAY RECONSTRUCTION,  
AND LIGHTING  
PROJECT: ACNHPP-0290 (201)  
COOK COUNTY  
C-91-149-14

NPDES PERMIT INFORMATION	
NPDES Disturbed	
Area =	3.59 Acres
Approximate Location of Roadway is:	
Longitude	87° 39' 15.85" W
Latitude	41° 52' 32.99" N

**DESIGN DESIGNATIONS:**  
WB I-290  
MORGAN STREET EXIT RAMP  
RAMP NW  
RAMP SW

**POSTED /DESIGN SPEEDS:**  
45 /50 MPH  
30 /30 MPH  
35 /35 MPH  
35 /35 MPH



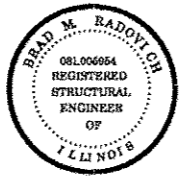
*D.B. Manojlovski* 10/17/14  
DANNY B. MANOJLOVSKI DATE  
LICENSE EXPIRES 11/30/2015  
SHEET RANGE 1-90, 95-108  
256-265, 269-317



*Moussa A. Issa* 10/17/14  
MOUSSA A. ISSA DATE  
LICENSE EXPIRES 11/30/2016  
SHEET RANGE 134-169, 198-199



*William D. Stermer* 10/17/14  
WILLIAM D. STERMER DATE  
LICENSE EXPIRES 11/30/2015  
SHEET RANGE 111-133



*Brad M. Radovich* 10/17/2014  
BRAD M. RADOVICH DATE  
LICENSE EXPIRES 11/30/2016  
SHEET RANGE 170-197

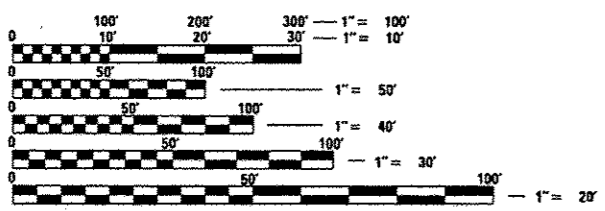


*Oranit P. Sanchez* 10/17/14  
ORANIT P. SANCHEZ DATE  
LICENSE EXPIRES 11/30/2015  
SHEET RANGE 1-90, 95-108  
256-265, 269-317



*Christopher Krueger* 10/17/14  
CHRISTOPHER L. KRUEGER DATE  
LICENSE EXPIRES 11/30/2015  
SHEET RANGE 109-110

03-06-2015 LETTING ITEM 195



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

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

PROJECT ENGINEER: LISA CHRZASC  
PROJECT MANAGER: BRIAN KUTTAB

CONTRACT NO. 60X61

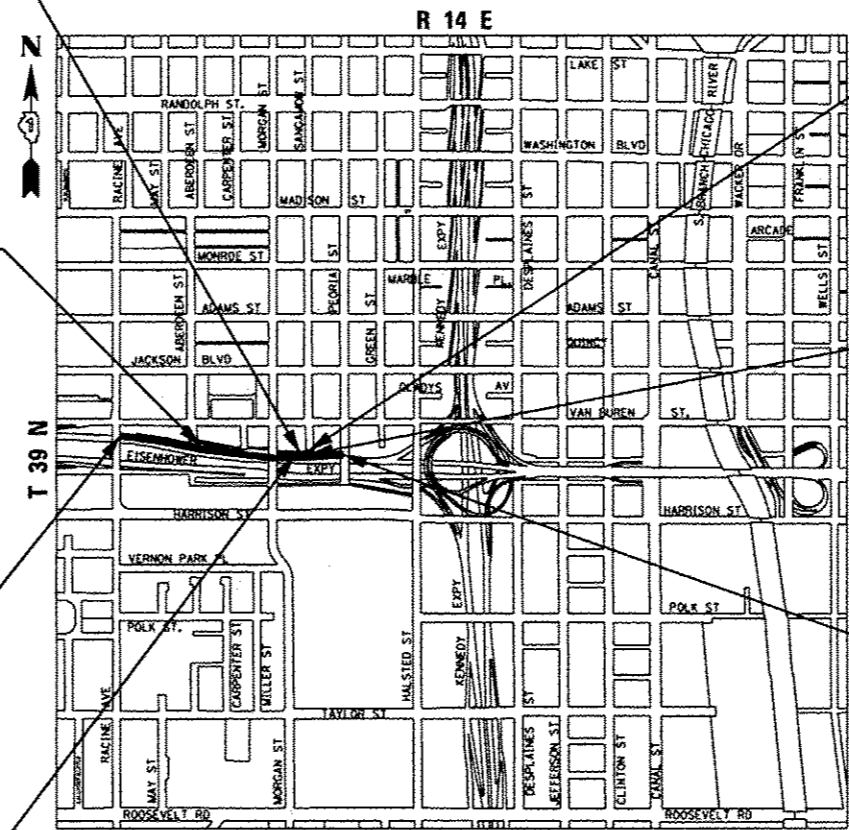
RETAINING WALL 6  
SN 016-1725  
STA 5228 + 28.92 TO  
STA 5233 + 21.45

PROPOSED BARRIER WALL  
SN 016-2030  
STA 5239 + 00.00 TO  
STA 5240 + 10.00

RETAINING WALL 7  
SN 016-1726  
STA 5239 + 76.00 TO  
STA 5246 + 20.00

END PROJECT  
LIMIT  
STA 5247 + 80.00

RETAINING WALL 5  
SN 016-1724  
STA 5231 + 26.49 TO  
STA 5233 + 84.58



LOCATION MAP

NOT TO SCALE

GROSS LENGTH = 2,573.78 FT (0.489 MILES)  
NET LENGTH = 2,573.78 FT (0.489 MILES)

PROPOSED NOISE  
ABATEMENT WALL  
STA 3644 + 18.98 TO  
STA 3644 + 04.97

MORGAN STREET  
EXIT RAMP  
STA 3641 + 51.91 TO  
STA 3647 + 39.87

BEGIN PROJECT  
LIMIT  
STA 5227 + 94.18

**AECOM**

**HBM**  
ENGINEERING GROUP, LLC.

**CEM**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED OCTOBER 17, 2014

*[Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Jan 30 2015  
*John D. Baranzelli, P.E.*  
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 30 2015  
*Chris Osmon, 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





**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. THE CONTRACTOR SHALL PROVIDE AN ENGINEERS FIELD OFFICE FOR THIS CONTRACT. SEE ENGINEERS FIELD OFFICE TYPE A (SPECIAL) SPECIAL PROVISION FOR ADDITIONAL INFORMATION.
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. EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND THE SUE SURVEYS. ALL UNDERGROUND UTILITIES MUST BE CONSIDERED APPROXIMATE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN IN THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE AT THE CONTRACTORS EXPENSE.
12. THE CONTRACTOR SHALL COORDINATE WORK WITH RAILROADS AND UTILITIES IN ADVANCE OF WORKING IN THE VICINITY OF THEIR FACILITIES, AND ALLOW SUFFICIENT TIME FOR THEM TO PERFORM ADJUSTMENTS TO THEIR FACILITIES IN ACCORDANCE WITH THE CONTRACTOR'S SCHEDULE. COORDINATION EFFORTS SHALL BE INCLUDED IN THE COST OF THE CONTRACT BID PRICE.
13. THE CONTRACTOR MUST CALL THE IDOT ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT FACILITY CABLES.
14. CHICAGO TRANSIT AUTHORITY (CTA) REPRESENTATIVE WILL BE MR. ABDIN CARRILLO, PROJECT MANAGER, CONSTRUCTION OVERSIGHT. THE CONTRACTOR SHALL NOTIFY CTA REPRESENTATIVE AT 312-681-3933, 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.
15. THE PROPOSED EMBANKMENT SHALL BE BENCHED INTO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER. SEE DISTRICT 1 DETAILS FOR BENCHING DETAIL.
16. ALL ROADWAY WIDTHS AND RADII SHOWN ON THE PLANS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
17. STORM SEWER (WATER MAIN REQUIREMENTS) IS TO BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10 FT AND THE VERTICAL SEPARATION IS LESS THAN 1.5 FT. DUCTILE IRON PIPE WITH RUBBER GASKET JOINTS SHALL BE USED FOR ALL STORM SEWER (WATER MAIN REQUIREMENTS).
18. THE OFFSETS AND TOP OF FRAME OR LID ELEVATIONS FOR DRAINAGE STRUCTURES WERE DETERMINED USING THE CRITERIA LISTED BELOW UNLESS OTHERWISE NOTED:
  - A. THE OFFSETS TO ALL INLETS AND CATCH BASINS IN ROADWAYS WITH BARRIER WALL ARE TO THE EDGE OF SHOULDER.
  - B. THE OFFSETS TO ALL INLETS AND CATCH BASINS IN CURBED ROADWAYS ARE TO THE EDGE OF PAVEMENT OR EDGE OF SHOULDER. STRUCTURES LOCATED IN THE GUTTER SHALL BE TURNED SO THAT THE FRAME IS FURTHEST FROM THE CENTER LINE OF THE ROAD UNLESS OTHERWISE NOTED ON THE PLANS.

- C. THE OFFSETS TO MANHOLES, STRUCTURES IN CORE AREAS, AND STRUCTURES IN INFIELD AREAS ARE TO THE CENTER OF THE STRUCTURE.
- D. THE OFFSETS TO INLETS AND CATCH BASINS IN CONCRETE CUTTER ARE TO BE THE FLOWLINE.
19. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
20. 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.
21. 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.
22. ALL REINFORCEMENT BARS, DWEL BARS, AND TIE BARS SHOULD BE EPOXY COATED UNLESS OTHERWISE NOTED IN THE PLANS.
23. 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.
24. DRAINAGE GRADES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF DRAINAGE ITEMS.
25. CONNECTING EXISTING DRAINAGE SYSTEMS TO PROPOSED DRAINAGE SYSTEMS SHALL BE INCLUDED IN THE COST OF THE PROPOSED DRAINAGE ITEMS. CARE SHALL BE TAKEN BY THE CONTRACTOR TO NOT DAMAGE THE EXISTING DRAINAGE SYSTEMS. ANY DAMAGE CAUSED BY THE CONTRACTOR TO THE EXISTING DRAINAGE SYSTEMS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THE CONTRACTORS OWN EXPENSE AND TO THE SATISFACTION OF THE ENGINEER. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED.
26. ALL PROPOSED PIPE CONNECTIONS INTO AN EXISTING DRAINAGE STRUCTURE SHALL BE CORE DRILLED AND INCLUDED IN THE COST OF STORM SEWERS. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
27. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON JOB SITE DURING CONSTRUCTION.
28. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING PLANT MATERIAL.
29. 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.
30. 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.
31. REMOVAL 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).
32. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.
33. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY ACCORDING TO ART. 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
34. SAW CUT (FULL DEPTH) SHALL BE REQUIRED AT THE JOINT BETWEEN PAVEMENT, SIDEWALK, CURB AND CUTTER, 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.
35. UNLESS OTHERWISE NOTED, ALL COMBINATION CONCRETE CURB AND CUTTER, TYPE B-6.24 ALONG THE MAINLINE AND MAINLINE RAMPS SHALL BE DEPRESSED.

36. 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 (BOE 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.

**NOTE:**  
BOXED ITEMS ARE INCLUDED IN THE COST OF THE CONTRACT OR ITEM SPECIFIED.

FILE PATH: C:\Users\Gibbavez\OneDrive\Documents\BDE\Print\10142814\01\BDE\1-sh-Connote-03.dgn



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 PLOT DATE: 10/14/2014

DESIGNED - OPS	REVISED -
DRAWN - OPS	REVISED -
CHECKED - OBM	REVISED -
DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES**

SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	F.A.T. R.T.E. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 4
						CONTRACT NO. 60X61	
ILLINOIS FED. AID PROJECT							



① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				1	1	2	3	4	5	6	1	2	
				ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	MINOR STRUCTURES	NOISE ABATEMENT WALL	MINOR STRUCTURES	HIGHWAY LIGHTING	TRAFFIC SIGNALS	
				0004	0040	0040	0040	0040	0040	0040	0040	0021	0021
				URBAN	016-1724	016-1725	016-1726	016-2030	NONE	016-2113	URBAN	URBAN	URBAN
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	138	138									
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	50	50									
20100500	TREE REMOVAL, ACRES	ACRE	0.25	0.25									
20101100	TREE TRUNK PROTECTION	EACH	24	24									
20200100	EARTH EXCAVATION	CU YD	11,495	11,495									
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1560	1560									
20700220	POROUS GRANULAR EMBANKMENT	CU YD	598	598									
20600200	GRANULAR EMBANKMENT, SPECIAL	CU YD	146					146					
20800150	TRENCH BACKFILL	CU YD	6455.1	6455.1									
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	50 YD	8196	8196									
21101615	TOPSOIL FURNISH AND PLACE, 4"	50 YD	8001	8001									
21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	100	100									
25000210	SEEDING, CLASS 2A	ACRE	1.75	1.75									
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	149	149									
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	149	149									
25100115	MULCH, METHOD 2	ACRE	5.25	5.25									
25100630	EROSION CONTROL BLANKET	50 YD	8001	8001									

URBAN  
90% FED.  
10% STATE

\* DENOTES SPECIALTY ITEM

\*\* DENOTES NON-PARTICIPATING ITEM



DESIGNED - AFC  
DRAWN - AFC  
CHECKED - DBM  
DATE - 10/17/14

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	2013-07TR	COOK	317	5
CONTRACT NO. 60X61			ILLINOIS FED. AID PROJECT	

Rev.

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	MINOR STRUCTURES	NOISE ABATEMENT WALL	MINOR STRUCTURES	HIGHWAY LIGHTING	TRAFFIC SIGNALS	
				0004 URBAN	0040 016-1724	0040 016-1725	0040 016-1726	0040 016-2030	0040 NONE	0040 016-2113	0021 URBAN	0021 URBAN	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1023	1023									
28000400	PERIMETER EROSION BARRIER	FOOT	4937	4937									
28000510	INLET FILTERS	EACH	57	57									
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	500	500									
30300124	AGGREGATE SUBGRADE IMPROVEMENT 24"	SO YD	8196	8196									
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SO YD	1118	1118									
31102100	SUBBASE GRANULAR MATERIAL, TYPE C 4"	SO YD	2110	2110									
31200500	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"	SO YD	6605	6605									
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	250	250									
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	3986	3986									
42000401	PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SO YD	899	899									
42000521	PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)	SO YD	5222	5222									
42001300	PROTECTIVE COAT	SO YD	12474	12474									
44000100	PAVEMENT REMOVAL	SO YD	3050	3050									

URBAN  
90% FED.  
10% STATE

\* DENOTES SPECIALTY ITEM      \*\* DENOTES NON-PARTICIPATING ITEM

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PLOT DATE - 10/20/2014

DESIGNED - AFC	REVISED -
DRAWN - AFC	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/17/14	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	6
CONTRACT NO. 60X61			ILLINOIS FED. AID PROJECT	

Rev.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	MINOR STRUCTURES	NOISE ABATEMENT WALL	MINOR STRUCTURES	HIGHWAY LIGHTING	TRAFFIC SIGNALS	
				0004 URBAN	0040 016-1724	0040 016-1725	0040 016-1726	0040 016-2030	0040 NONE	0040 016-2113	0021 URBAN	0021 URBAN	
44000500	COMBINATION CURB AND CUTTER REMOVAL	FOOT	2165	2165									
44004250	PAVED SHOULDER REMOVAL	SO YD	2245	2245									
48300400	PORTLAND CEMENT CONCRETE SHOULDERS 9"	SO YD	159	159									
48300600	PORTLAND CEMENT CONCRETE SHOULDERS 11"	SO YD	1608	1608									
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1		1								
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1							1			
50200100	STRUCTURE EXCAVATION	CU YD	2230		534	609	956	131					
50300225	CONCRETE STRUCTURES	CU YD	917.7		185	344.7	326	62					
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	146					146					
50300255	CONCRETE SUPERSTRUCTURE	CU YD	173.8		35	118.8		20					
50300300	PROTECTIVE COAT	SO YD	834		220	567		47					
50500505	STUD SHEAR CONNECTORS	EACH	2756		318	1167	1271						
50800105	REINFORCEMENT BARS	POUND	502,760	650	296,520	265,590							
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	154,212	1281	32,740	48631	61060	10,500					
50800530	MECHANICAL SPLICERS	EACH	760		448	312							

URBAN  
98% FED,  
10% STATE

\* DENOTES SPECIALTY ITEM      \*\* DENOTES NON-PARTICIPATING ITEM

Rev.



DESIGNED - AFC	REVISED -
DRAWN - AFC	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/17/14	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 17 SHEETS STA. TO STA.

F.A.I. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-07TR	COOK	317	7
CONTRACT NO. 60X61			ILLINOIS FED. AID PROJECT	

FILE PATH: I:\WORK\PROJECTS\Interchange\60X61\Draw\60X61.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	MINOR STRUCTURES	NOISE ABATEMENT WALL	MINOR STRUCTURES	HIGHWAY LIGHTING	TRAFFIC SIGNALS
				0004 URBAN	0040 016-1724	0040 016-1725	0040 016-1726	0040 016-2030	0040 NONE	0040 016-2113	0021 URBAN	0021 URBAN
51500100	NAME PLATES	EACH	4		1	1	1	1				
51602000	PERMANENT CASING	FOOT	1412			1412						
* 51603000	DRILLED SHAFT IN SOIL	CU YD	903		526	377						
54248510	CONCRETE COLLAR	CU YD	6.5	6.5								
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	743	743								
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	396	396								
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	294	294								
550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	219	219								
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	93	93								
550A0640	STORM SEWERS, CLASS A, TYPE 3 12"	FOOT	159	159								
550A0660	STORM SEWERS, CLASS A, TYPE 3 15"	FOOT	225	225								
550A0680	STORM SEWERS, CLASS A, TYPE 3 18"	FOOT	10	10								
<del>550A0730</del>	<del>STORM SEWERS, CLASS A, TYPE 3 30"</del>	<del>FOOT</del>	<del>362</del>	<del>362</del>								
550A0830	STORM SEWERS, CLASS A, TYPE 3 78"	FOOT	16	16								
550A0940	STORM SEWERS, CLASS A, TYPE 4 12"	FOOT	9	9								
15 550A1010	STORM SEWERS, CLASS A, TYPE 4, 24"	FOOT	215	215								

URBAN  
90% FED.  
10% STATE

\* DENOTES SPECIALTY ITEM

\*\* DENOTES NON-PARTICIPATING ITEM



DWGNO: 411-500.dgn  
USER NAME: ChiuA  
PLOT SCALE: 1:0000 1/8" = 1'-0"  
PLOT DATE: 10/20/2014

DESIGNED - AFC  
DRAWN - AFC  
CHECKED - DBM  
DATE - 10/17/14

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

Rev.  
F.A.T. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.  
90/94/290 2013-077R COOK 317 8  
CONTRACT NO. 60X61  
ILLINOIS FED. AID PROJECT

FILE PATH: F:\WORK\Projects\Interchange16265\Draw\Layers\Production\2014\2014-08-06\1500-01-01.dwg

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE										
				ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	MINOR STRUCTURES	NOISE ABATEMENT WALL	MINOR STRUCTURES	HIGHWAY LIGHTING	TRAFFIC SIGNALS		
				0004 URBAN	0040 016-1724	0040 016-1725	0040 016-1726	0040 016-Z030	0040 NONE	0040 016-2113	0021 URBAN	0021 URBAN		
550A1030	STORM SEWERS, CLASS A, TYPE 4 30"	FOOT	362	362										
550A1130	STORM SEWERS, CLASS A, TYPE 4 78"	FOOT	1930	1930										
550A1640	STORM SEWERS, CLASS A, TYPE 6 42"	FOOT	50	50										
550A1700	STORM SEWERS, CLASS A, TYPE 6 78"	FOOT	158	158										
55100400	STORM SEWER REMOVAL 10"	FOOT	264	264										
55100500	STORM SEWER REMOVAL 12"	FOOT	641	641										
55100900	STORM SEWER REMOVAL 18"	FOOT	7	7										
58700300	CONCRETE SEALER	SO FT	18117		2837	6551	8729							
59100100	GEOCOMPOSITE WALL DRAIN	SO YD	776		159	397	220							
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	330.1	330.1										
60107700	PIPE UNDERDRAINS 6"	FOOT	2347	2347										
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	425	425										
60201005	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 10 FRAME AND GRATE	EACH	1	1										
60201310	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 20 FRAME AND GRATE	EACH	26	26										
60201340	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1										
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	3	3										

URBAN  
90% FED.  
10% STATE

\* DENOTES SPECIALTY ITEM      \*\* DENOTES NON-PARTICIPATING ITEM

FILE PATH: F:\WORK\60X61\60X61.dwg    User: Lee    Plot: 20140828-60X61.dwg    Plot Date: 10/20/2014



DESIGNED - AFC	REVISED -
DRAWN - AFC	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/17/14	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-07TR	COOK	317	9
CONTRACT NO. 60X61			ILLINOIS FED. AID PROJECT	

Rev.



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	MINOR STRUCTURES	NOISE ABATEMENT WALL	MINOR STRUCTURES	HIGHWAY LIGHTING	TRAFFIC SIGNALS	
				0004 URBAN	0040 016-1724	0040 016-1725	0040 016-1726	0040 016-Z030	0040 NONE	0040 016-2113	0021 URBAN	0021 URBAN	
60207805	CATCH BASINS, TYPE C, TYPE 10 FRAME AND GRATE	EACH	4	4									
60208210	CATCH BASINS, TYPE C, TYPE 20 FRAME AND GRATE	EACH	1	1									
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4									
60221100	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	12	12									
60223800	MANHOLES, TYPE A, 6' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1									
60224469	MANHOLES, TYPE A, 9' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4									
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1	1									
60500040	REMOVING MANHOLES	EACH	7	7									
60500050	REMOVING CATCH BASINS	EACH	19	19									
60500060	REMOVING INLETS	EACH	1	1									
60602800	CONCRETE GUTTER, TYPE B	FOOT	1904	1904									
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6, 24	FOOT	61.5	61.5									
63700175	CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT	FOOT	533	533									
63700805	CONCRETE BARRIER TRANSITION	FOOT	64	64									
63700900	CONCRETE BARRIER BASE	FOOT	951	951									

URBAN  
90% FED.  
10% STATE

\* DENOTES SPECIALTY ITEM

\*\* DENOTES NON-PARTICIPATING ITEM

Rev.



303 EAST WACKER DRIVE, SUITE 1400  
CHICAGO, IL 60601-5271  
PHONE (312) 313-1100 FAX (312) 313-6800

DIGITAL - 10/15/14  
USER NAME - Chua  
PLOT SCALE - 1:8000  
PLOT DATE - 10/20/2014

DESIGNED - AFC  
DRAWN - AFC  
CHECKED - DBM  
DATE - 10/17/14

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-07TR	COOK	317	10
SCALE:			CONTRACT NO. 60X61	
SHEET 6 OF 17 SHEETS		ILLINOIS FED. AID PROJECT		

FILE PATH: F:\WORK\GIS\Interchange\60X61\_Aur\_Land\Printing\2014\BBB-60X61-Final-5000-DIGITAL-10-15-14.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	MINOR STRUCTURES	NOISE ABATEMENT WALL	MINOR STRUCTURES	HIGHWAY LIGHTING	TRAFFIC SIGNALS	
				0004 URBAN	0040 016-1724	0040 016-1725	0040 016-1726	0040 016-2030	0040 NONE	0040 016-2113	0021 URBAN	0021 URBAN	
			<i>URBAN 90% FED. 10% STATE</i>										
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	1019	1019									
64300370	IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 3	EACH	1	1									
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	24,700	24,700									
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1									
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	8	8									
* 20007510	ENGINEERED BARRIER	SQ YD	11,000	11,000									
67100100	MOBILIZATION	L SUM	1	1									
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	427	427									
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	14	14									
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	5275	5275									
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	9769	9769									
70400100	TEMPORARY CONCRETE BARRIER	FOOT	3575	3575									
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2862.5	2862.5									
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	8	8									
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	10	10									

\* DENOTES SPECIALTY ITEM

\*\* DENOTES NON-PARTICIPATING ITEM

Rev.



DESIGNED - AFC  
 DRAWN - AFC  
 CHECKED - DBM  
 DATE - 10/17/14

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	11
CONTRACT NO. 60X61			ILLINOIS FED. AID PROJECT	

FILE PATH: I:\A\WORK\60X61\60X61.dwg

FILE PATH: F:\WORK\CRASH Interchange\60X61\Draw\Layout\60X61-1-500-018061-1-11-1500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE										
				ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	MINOR STRUCTURES	NOISE ABATEMENT WALL	MINOR STRUCTURES	HIGHWAY LIGHTING	TRAFFIC SIGNALS		
				0004 URBAN	0040 016-1724	0040 016-1725	0040 016-1726	0040 016-Z030	0040 NONE	0040 016-2113	0021 URBAN	0021 URBAN		
* / * * 72000100	SIGN PANEL - TYPE 1	SO FT	68	68										
* / * * 72000200	SIGN PANEL - TYPE 2	SO FT	55.5	55.5										
* / * * 72000300	SIGN PANEL - TYPE 3	SO FT	456	456										
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2										
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	2										
* 72400320	REMOVE SIGN PANEL - TYPE 2	SO FT	20	20										
* 72400330	REMOVE SIGN PANEL - TYPE 3	SO FT	488	488										
* 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1										
* 72600100	MILE POST MARKER ASSEMBLY	EACH	1	1										
* 72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	4089	4089										
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	15	15										
* 73000100	WOOD SIGN SUPPORT	FOOT	54	54										
* 73400100	CONCRETE FOUNDATIONS	CU YD	9	9										
* 73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	4	4										

\* DENOTES SPECIALTY ITEM      \* \* DENOTES NON-PARTICIPATING ITEM



DESIGNED - AFC  
 DRAWN - AFC  
 CHECKED - DBM  
 DATE - 10/17/14

REVISED -  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F&I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X61	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	MINOR STRUCTURES	NOISE ABATEMENT WALL	MINOR STRUCTURES	HIGHWAY LIGHTING	TRAFFIC SIGNALS	
				0004 URBAN	0040 016-1724	0040 016-1725	0040 016-1726	0040 016-Z030	0040 NONE	0040 016-2113	0021 URBAN	0021 URBAN	
			URBAN 90% FED. 10% STATE										
* 73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	4	4									
* 78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	92	92									
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	9856	9856									
* 78005120	EPOXY PAVEMENT MARKING - LINE 5"	FOOT	2806	2806									
* 78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	5810	5810									
* 78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	1442	1442									
* 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SO FT	109	109									
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1062	1062									
* 78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	210	210									
* 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	72	72									
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	286	286									
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	278	278									
78300100	PAVEMENT MARKING REMOVAL	SO FT	3985	3985									
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	97	97									

\* DENOTES SPECIALTY ITEM

\*\* DENOTES NON-PARTICIPATING ITEM

FILE PATH: F:\WORK\Projects\Interchange\60X61\Draw\Layout\60X61-1028-06061-Final-500-DIMEN.dwg



DIGITAL - 500.dgn  
 USER NAME - ChiuA  
 PLOT SCALE - 1:8000  
 PLOT DATE - 10/20/2014

DESIGNED - AFC  
 DRAWN - AFC  
 CHECKED - DBM  
 DATE - 10/17/14

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.
90/94/290	2013-077R	COOK	317	13
CONTRACT NO. 60X61			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							HIGHWAY LIGHTING	TRAFFIC SIGNALS
				ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	MINOR STRUCTURES	NOISE ABATEMENT WALL	MINOR STRUCTURES		
				0004 URBAN	0040 016-1724	0040 016-1725	0040 016-1726	0040 016-Z030	0040 NONE	0040 016-2113		
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	2								2	
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1								1	
* 81028170	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.	FOOT	75								75	
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	127								127	
* 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	714								714	
* 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	765								765	
<del>* 81028390</del>	<del>UNDERGROUND CONDUIT, PVC, 4" DIA.</del>	<del>FOOT</del>	<del>15</del>								<del>15</del>	
* 81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	14								14	
<del>* 81100605</del>	<del>CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL</del>	<del>FOOT</del>	<del>85</del>								<del>85</del>	
* 81100805	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	125								125	
* 81300830	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	2								2	
* 81400200	HEAVY-DUTY HANDHOLE	EACH	10								10	
* 81603050	UNIT DUCT, 600V, 3-1C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1430								1430	
* 81603081	UNIT DUCT, 600V, 3-1C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	565								565	
* 82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	12								12	

URBAN  
90% FED.  
10% STATE

\* DENOTES SPECIALTY ITEM      \*\* DENOTES NON-PARTICIPATING ITEM

FILE PATH: F:\WORK\Projects\Interchange\60X61\Drawings\2014\20141228-60X61-Final\500\0160X61.dgn



DIGITAL: wht-500.dgn  
USER NAME: Chisua  
PLOT SCALE: 1:8000 / in.  
PLOT DATE: 10/28/2014

DESIGNED - AFC  
DRAWN - AFC  
CHECKED - DBM  
DATE - 10/17/14

REVISED -  
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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

Rev.  
F.A.I. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.  
90/94/290 2013-07TR COOK 317 14  
CONTRACT NO. 60X61  
[ILLINOIS] FED. AID PROJECT



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE										
				ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	MINOR STRUCTURES	NOISE ABATEMENT WALL	MINOR STRUCTURES	HIGHWAY LIGHTING	TRAFFIC SIGNALS		
				0004 URBAN	0040 016-1724	0040 016-1725	0040 016-1726	0040 016-Z030	0040 NONE	0040 016-2113	0021 URBAN	0021 URBAN		
* 83050825	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. DAVIT ARM	EACH	12										12	
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	156										156	
* 83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	5										5	
* 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	4										4	
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	3										3	
* 87000885	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (XLP-TYPE TC) 2/C NO. 6 AND NO. 8	FOOT	1343										1343	
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	95										95	
* 87800200	CONCRETE FOUNDATION, TYPE D	FOOT	10										10	
* 87900200	DRILL EXISTING HANDHOLE	EACH	2										2	
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1073										1073	
* 89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	750										750	
* 89502500	REMOVE TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1											1
* Z0007118	UNTREATED TIMBER LAGGING	SO FT	14068		1851	5423	6794							
* Z0010614	CLEANING EXISTING MANHOLE OR HANDHOLE	EACH	1										1	

URBAN  
90% FED.  
10% STATE

\* DENOTES SPECIALTY ITEM      \*\* DENOTES NON-PARTICIPATING ITEM (100% STATE)



DISKING: aht-500.dgn  
 USER NAME: \* CHIA  
 PLOT SCALE: 1:8000 "/>

DESIGNED - AFC      REVISED -  
 DRAWN - AFC      REVISED -  
 CHECKED - DBM      REVISED -  
 DATE - 10/17/14      REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.I. RTE. 90/94/290      SECTION 2013-07TR      COUNTY CDOK      TOTAL SHEETS 317      SHEET NO. 15  
 CONTRACT NO. 60X61  
 ILLINOIS FED. AID PROJECT

Rev.

FILE PATH: I:\WORK\Circle Interchange\60X61\Draw\Layout\2014\2013-07TR-60X61.dwg

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	MINOR STRUCTURES	NOISE ABATEMENT WALL	MINOR STRUCTURES	HIGHWAY LIGHTING	TRAFFIC SIGNALS	
				0004 URBAN	0040 016-1724	0040 016-1725	0040 016-1726	0040 016-Z030	0040 NONE	0040 016-2113	0021 URBAN	0021 URBAN	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1									
Z0019600	DUST CONTROL WATERING	UNIT	66	66									
Z0022800	FENCE REMOVAL	FOOT	68	68									
Z0026404	FURNISHING SOLDIER PILES (W SECTION)	FOOT	9468		1180	3642	4646						
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	100	100									
* Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	12								12		
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	14								14		
Z0037300	PAVEMENT GROOVING	SO YD	6121	6121									
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	1387		234	494	659						
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1									
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	70	70									
Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	215	215									
Z0062456	TEMPORARY PAVEMENT	SO YD	1118	1118									
Z0073002	TEMPORARY SOIL RETENTION SYSTEM	SO FT	5719		2628			2710			381		
Z0076600	TRAINEES	HOUR	1000	1000									

URBAN  
90% FED.  
10% STATE

FILE PATH: F:\WORK\Civil\Interchange\606151.dwg User: LeeM\Printing\20141028-606151.dwg Final:500\01606151-INT-500.dwg

00042

\* DENOTES SPECIALTY ITEM      \*\* DENOTES NON-PARTICIPATING ITEM



DIGITAL - 500.dgn  
USER NAME - Chiu  
PLOT SCALE - 1:8000 1/4" = 1'-0"  
PLOT DATE - 10/20/2014

DESIGNED - AFC  
DRAWN - AFC  
CHECKED - DBM  
DATE - 10/17/14

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-07TR	COOK	317	16
CONTRACT NO. 60X61			Rev.	

ILLINOIS FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE										
				ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	MINOR STRUCTURES	NOISE ABATEMENT WALL	MINOR STRUCTURES	HIGHWAY LIGHTING	TRAFFIC SIGNALS		
				0004 URBAN	0040 016-1724	0040 016-1725	0040 016-1726	0040 016-2030	0040 NONE	0040 016-2113	0021 URBAN	0021 URBAN		
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000										
X0301423	NOISE ABATEMENT WALL, GROUND MOUNTED	SO FT	470							470				
* X0322441	DIGITAL LOOP DETECTOR SENSOR UNIT (4 CHANNEL)	EACH	4									4		
* X0322442	TONE EQUIPMENT - 3 FREQUENCY RECEIVER PROGRAMMABLE	EACH	14									14		
* X0322443	TONE EQUIPMENT - 3 FREQUENCY TRANSMITTER PROGRAMMABLE	EACH	14									14		
* X0322444	TONE EQUIPMENT - POWER SUPPLY	EACH	6									6		
* X0322445	TONE EQUIPMENT - MOUNTING FRAME	EACH	3									3		
* X0323898	CLOSED CIRCUIT TELEVISION DOME CAMERA	EACH	1									1		
* X0324455	DRILLING AND SETTING SOLDIER PILES ( IN SOIL)	CU FT	82,211		7168	29,798	45245							
<del>* X0324597</del>	<del>CLOSED CIRCUIT TELEVISION CABINET</del>	<del>EACH</del>	<del>1</del>									<del>1</del>		
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	320									320		
X0325087	VIDEO TAPING OF MAIN DRAIN	FOOT	5514	5514										
* X0325040	FIBER OPTIC INNERDUCT 1/4" DIA.	FOOT	1490									1490		
X0325349	TEMPORARY CONCRETE BARRIER ( TO REMAIN PERMANENTLY)	FOOT	1700	1700										
* X0326133	TEMPORARY WOOD POLE, 45 FEET, CLASS 5	EACH	1									1		

URBAN  
90% FED.  
10% STATE

FILE PATH : F:\WORK\Projects\Interchange 60X61\Draw\Land\instr02\20141228-60X61\Final\500\0168261-ht-500.dgn

Ø 0042 \* DENOTES SPECIALTY ITEM

\*\* DENOTES NON-PARTICIPATING ITEM



DIGITAL - aht-500.dgn  
 USER NAME - Chuah  
 PLOT SCALE - 1:8000  
 PLOT DATE - 10/20/2014

DESIGNED - AFC  
 DRAWN - AFC  
 CHECKED - DBM  
 DATE - 10/17/14

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

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 2013-07TR COOK 317 17  
 CONTRACT NO. 60X61  
 ILLINOIS FED. AID PROJECT

Rev.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	MINOR STRUCTURES	NOISE ABATEMENT WALL	MINOR STRUCTURES	HIGHWAY LIGHTING	TRAFFIC SIGNALS	
				0004 URBAN	0040 016-1724	0040 016-1725	0040 016-1726	0040 016-Z030	0040 NONE	0040 016-2113	0021 URBAN	0021 URBAN	
* X0326461	CLOSED CIRCUIT TELEVISION EQUIPMENT, FIBER OPTIC DISTRIBUTION	EACH	1									1	
X0326694	PLUG EXISTING STORM SEWERS	CU YD	4.3	4.3									
* X0326935	CROSSHOLE SONIC LOGGING	EACH	5		3	2							
* X0327117	ATMS SYSTEM INTEGRATION	L SUM	1									1	
X0327267	SLOPE INCLINOMETER	EACH	4	4									
X0327357	CONSTRUCTION VIBRATION MONITORING	L SUM	1	1									
* X0327561	BUDGETARY ALLOWANCE FOR CCTV INTEGRATION	L SUM	1									1	
* X0327606	FIBER OPTIC SPLICE-LATERAL	EACH	2									2	
* X0327616	MAINTAINING ITS DURING CONSTRUCTION	CAL MO	14									14	
X0327682	CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT ENGINEERING SERVICES	L SUM	1	1									
X0327750	FOUNDATION REMOVAL	CU YD	189			189							
* X0327751	LIGHTNING PROTECTION FOR INDUCTION LOOP DETECTOR	EACH	11									11	
X0327754	TEMPORARY BULKHEAD	EACH	2	2									
* X0327755	CABINET HOUSING EQUIPMENT, ESP 3, CONCRETE FOUNDATION MOUNTED	EACH	1									1	
X0327757	FOUNDATION CONSTRUCTION AT EXISTING OBSTRUCTIONS	EACH	40			40							

URBAN  
90% FED.  
10% STATE

\* DENOTES SPECIALTY ITEM      \*\* DENOTES NON-PARTICIPATING ITEM

FILE PATH: F:\WORK\Chicago Interchange\60X61\Draw\Plan\Quantity\2014\02\60X61.dwg



DESIGNED - AFC  
DRAWN - AFC  
CHECKED - DBM  
DATE - 10/17/14

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

F.A.I. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-07TR	COOK	317	18
CONTRACT NO. 60X61				

Rev.

ILLINOIS FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE										
				ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	MINOR STRUCTURES	NOISE ABATEMENT WALL	MINOR STRUCTURES	HIGHWAY LIGHTING	TRAFFIC SIGNALS		
				0004 URBAN	0040 016-1724	0040 016-1725	0040 016-1726	0040 016-2030	0040 NONE	0040 016-2113	0021 URBAN	0021 URBAN		
* X0328502	CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE, GALVANIZED STEEL, 50 FT. MOUNTING HEIGHT	EACH	1										1	
X0370077	LOCATE TUNNEL, CHICAGO	EACH	2	2										
X0370078	BULKHEAD TUNNEL, CHICAGO	EACH	2	2										
X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	147	147										
X5012502	CONCRETE REMOVAL (SPECIAL)	CU YD	5	5										
X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	203		67	196								
X5610730	WATER MAIN REMOVAL, 36"	FOOT	18	18										
X6022110	MANHOLES, TYPE A, 10' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2										
X6061305	CONCRETE MEDIAN SURFACE, SPECIAL	SO FT	625	625										
X6370050	CONCRETE BARRIER WALL (SPECIAL)	FOOT	56	56										
X6370250	CONCRETE BARRIER, VARIABLE CROSS-SECTION 42" HEIGHT	FOOT	298	298										
X6370279	CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)	FOOT	735	735										
X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	1	1										
X6640050	CHAIN LINK FENCE, 42" ATTACHED TO STRUCTURE (SPECIAL)	FOOT	644			644								
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1										
X7010410	SPEED DISPLAY TRAILER	CAL MO	14	14										

\* DENOTES SPECIALTY ITEM      \*\* DENOTES NON-PARTICIPATING ITEM



D:\60X61\shc-500.dgn  
 USER NAME: ChiuH  
 PLOT SCALE: 1,0000' / 1"  
 PLOT DATE: 10/20/2014

DESIGNED - AFC    REVISED -  
 DRAWN - AFC      REVISED -  
 CHECKED - DBM    REVISED -  
 DATE - 10/17/14    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	2013-077R	COOK	317	19
CONTRACT NO. 60X61			ILLINOIS FED. AID PROJECT	

Rev.

FILE PATH: F:\WORK\Projects\Interchange\60X61\shc-500.dgn



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	MINOR STRUCTURES	NOISE ABATEMENT WALL	MINOR STRUCTURES	HIGHWAY LIGHTING	TRAFFIC SIGNALS	
				0004 URBAN	0040 016-1724	0040 016-1725	0040 016-1726	0040 016-2030	0040 NONE	0040 016-2113	0021 URBAN	0021 URBAN	
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1									
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	427	427									
X7040650	REMOVE TEMPORARY CONCRETE BARRIER	FOOT	50	50									
* X7280105	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)	FOOT	21	21									
* X8100863	INTERCEPT EXISTING CONDUIT	EACH	3								3		
* X8710036	FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	1025								1025		
* X8730312	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	FOOT	3466								3466		
* X8730249	ELECTRIC CABLE IN CONDUIT, NO. 19 6/C	FOOT	820								820		
* X8850102	INDUCTION LOOP	FOOT	472								472		
* X8850109	PREFORMED INDUCTION LOOP	FOOT	275								275		
* X8950425	REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT	L SUM	1								1		
X1200028	REMOVING TEMPORARY BULKHEAD	EACH	2	2									
X0325409	PILE REMOVAL	FOOT	3750	3750									
X7035104	TEMPORARY EPOXY PAVEMENT MARKING - LINE 4"	FOOT	14962	14962									
X7035105	TEMPORARY EPOXY PAVEMENT MARKING - LINE 5"	FOOT	3712	3712									

URBAN  
90% FED.  
10% STATE

\* DENOTES SPECIALTY ITEM      \*\* DENOTES NON-PARTICIPATING ITEM

Rev.

FILE PATH : F:\A\B\A\Projects\Interchange\188161\_Acc\_Lane\Printing\20141028\68161-Final\_SDD\016851-11-500.dgn



DIGITAL - 11-500.dgn  
 USER NAME \* ChiuA  
 PLOT SCALE = 1:8000 1/4" = 1"  
 PLOT DATE \* 10/20/2014

DESIGNED - AFC      REVISED -  
 DRAWN - AFC      REVISED -  
 CHECKED - DBM      REVISED -  
 DATE - 10/17/14      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	2013-077R	COOK	317	19A
CONTRACT NO. 60X61			ILLINOIS FED. AID PROJECT	

2-32-17

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE																
				ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	MINOR STRUCTURES	NOISE ABATEMENT WALL	MINOR STRUCTURES	HIGHWAY LIGHTING	TRAFFIC SIGNALS								
				0004 URBAN	0040 016-1724	0040 016-1725	0040 016-1726	0040 016-Z030	0040 NONE	0040 016-2113	0021 URBAN	0021 URBAN								
X7035108	TEMPORARY EPOXY PAVEMENT MARKING - LINE 8"	FOOT	1390	1390																
* X1400032	RADAR VEHICLE SENSING DEVICE	EACH	1																	1
<del>X</del>	<del>THERMAL MAGNETIC CIRCUIT BREAKER, 1-POLE, 120V, 20-AMP</del>	<del>EACH</del>	<del>1</del>																	<del>1</del>
X0100001	TEMPORARY SOIL RETENTION SYSTEM FOR FOUNDATION REMOVAL	EACH	8			8														
* X1400033	CABINET HOUSING EQUIPMENT, ESP 4, CONCRETE FOUNDATION MOUNTED	EACH	1																	1
56104336	DUCTILE IRON WATER MAIN, MECHANICAL JOINT 36"	FOOT	18	18																

URBAN  
90% FED.  
10% STATE

5  
241

\* DENOTES SPECIALTY ITEM      \*\* DENOTES NON-PARTICIPATING ITEM

FILE PATH: F:\WORK\CURVE\Interchange\ASB\B1\Curv\Plan\Printing\20141228-ASB\B1-Final-5201016\61-h-1500.dgn



0160X61-sh-500.dgn  
USER NAME = ChiuA  
PLOT SCALE = 1:8000 / in.  
PLOT DATE = 10/20/2014

DESIGNED - AFC    REVISED -  
DRAWN - AFC        REVISED -  
CHECKED - DBM      REVISED -  
DATE - 10/17/14    REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

F.A.J. RTE. 90/94/290  
SECTION 2013-077R  
COUNTY COOK  
TOTAL SHEETS 317  
SHEET NO. 198  
CONTRACT NO. 60X61  
ILLINOIS FED. AID PROJECT

Rev

FILE PATH = p:\388035-P\INTL\ecommon\lms\local\p\VAECD\000\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_1\000\_CAD\006\_Roadway\Sheets\60X61\_Contract\0160X61-shr-Typical-01.dgn

**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) PCC SHOULDER
- (H) HMA PAVEMENT 2 3/4" - 5"
- (I) PCC PAVEMENT 10"
- (J) PIPE UNDERDRAIN
- (K) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- (L) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (M) RETAINING WALL
- (N) CONCRETE BARRIER
- (O) FENCE
- (P) PCC SIDEWALK

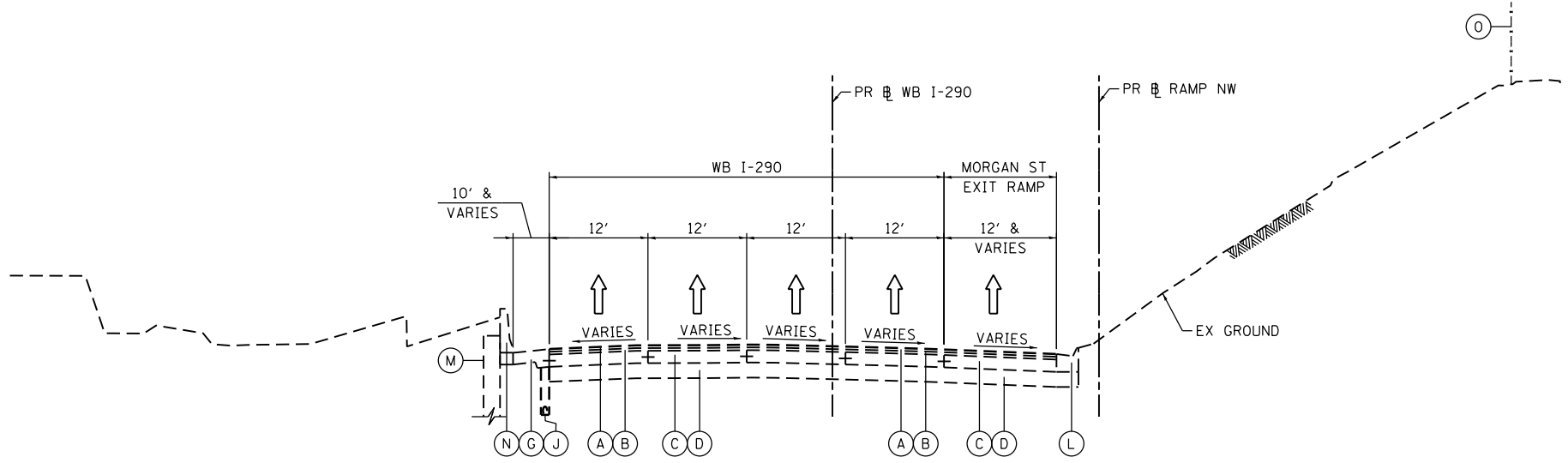
**PROPOSED**

- (1) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- (2) STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- (3) AGGREGATE SUBGRADE IMPROVEMENT 24"
- (4) PORTLAND CEMENT CONCRETE SHOULDERS 11"
- (5) PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
- (6) PORTLAND CEMENT CONCRETE SHOULDER, 9"
- (7) SUBBASE GRANULAR MATERIAL, TYPE C 4"
- (8) TEMPORARY PAVEMENT
- (9) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (10) TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A
- (11) CONCRETE BARRIER, SINGLE FACE, 42" HEIGHT
- (12) CONCRETE BARRIER WALL (SPECIAL)
- (13) CONCRETE BARRIER BASE
- (14) TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- (15) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (16) POROUS GRANULAR EMBANKMENT
- (17) LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 30" CENTERS, INCLUDED IN COST OF PCC ITEMS
- (18) LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 24" CENTERS, INCLUDED IN COST OF PCC ITEMS
- (19) TIE BARS, #6 EPOXY COATED BARS AT 24" CENTERS, INCLUDED IN COST OF COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- (20) PIPE UNDERDRAINS 6"
- (21) STORM SEWERS, 78" (SEE DRAINAGE PLANS)
- (22) CONCRETE GUTTER, TYPE B
- (23) CHAIN LINK FENCE, 42" ATTACHED TO STRUCTURE (SPECIAL) (SEE STRUCTURAL PLANS)
- (24) RETAINING WALL / PROPOSED BARRIER WALL (SN 016-2030)
- (25) PARAPET (SEE STRUCTURAL PLANS)
- (26) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (27) PROPOSED NOISE ABATEMENT WALL
- (28) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

**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 24".
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 SE TRANSITION DATA TABLE FOR SUPERELEVATION TRANSITIONS.
5. SEE CROSS SECTIONS FOR GRADING LIMITS AND SLOPES.
6. SEE ROADWAY DETAILS FOR ADDITIONAL INFORMATION AND LIMITS OF VARIOUS TYPES OF CONCRETE BARRIERS.
7. TIE BARS FOR BARRIER WALLS ARE NOT SHOWN ON THE TYPICAL SECTIONS FOR CLARITY.

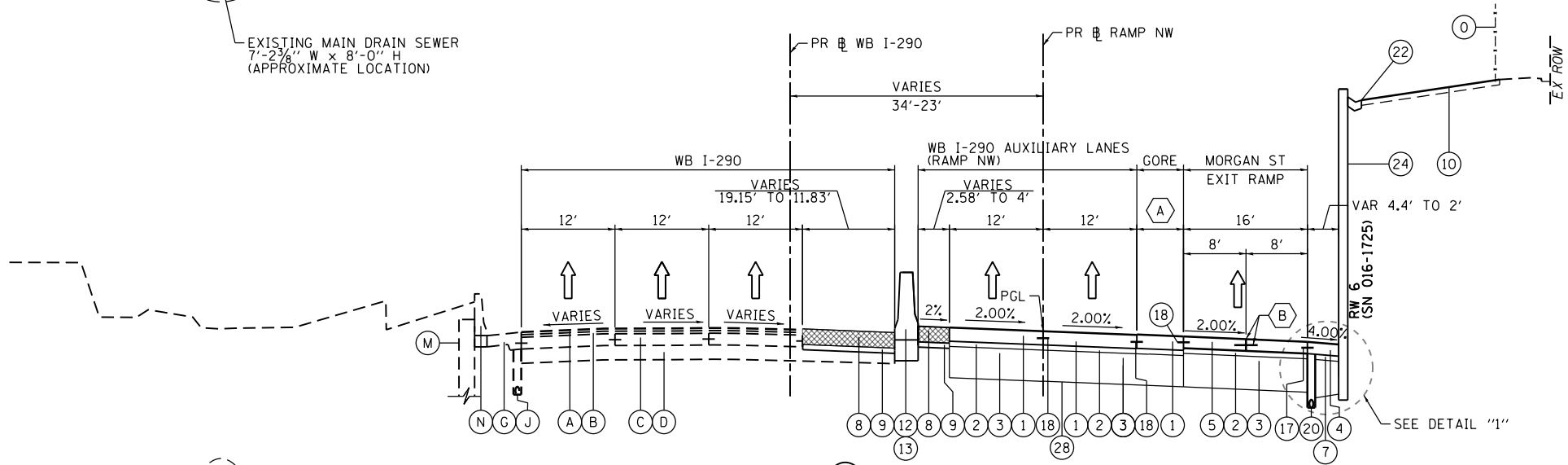
BOXED ITEMS ARE INCLUDED IN THE COST OF THE CONTRACT.



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

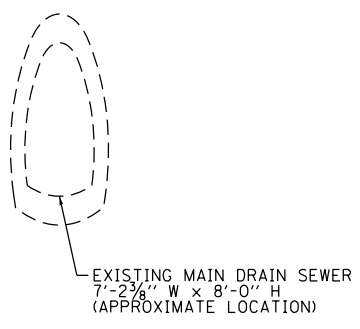
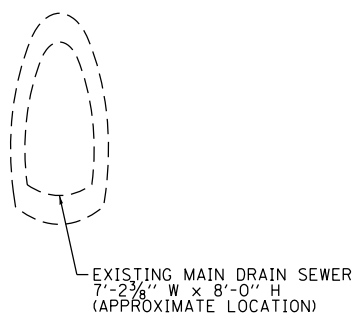
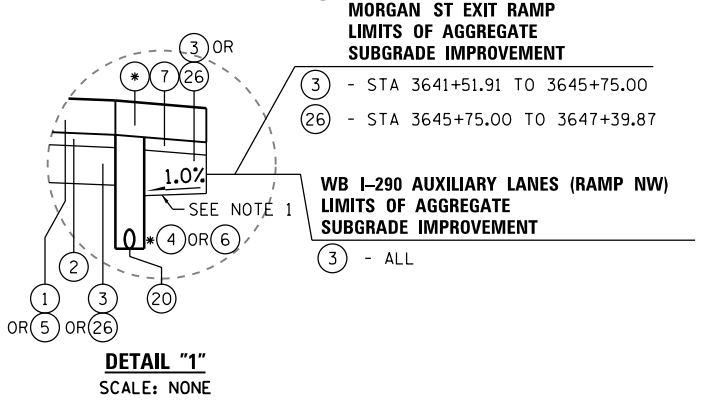
STA 5227+94.18 TO STA 5228+87.77

- (A) GORE VARIES FROM 12" TO 6'-4"
- (B) SAWED LONGITUDINAL JOINT PER BD 49 WITH #6 EPOXY COATED BARS AT 36" LONG AND 18" CENTERS, INCLUDED IN COST OF PCC ITEMS



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

STA 5227+94.18 TO STA 5228+87.77



D160X61-shr-Typical-01.dgn  
 USER NAME = pimsarno  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 12/5/2014

DESIGNED - OPS  
 DRAWN - OPS  
 CHECKED - DBM  
 DATE - 12/05/14

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
 SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	20
CONTRACT NO. 60X61				
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) PCC SHOULDER
- (H) HMA PAVEMENT 2 3/4" - 5"
- (I) PCC PAVEMENT 10"
- (J) PIPE UNDERDRAIN
- (K) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- (L) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (M) RETAINING WALL
- (N) CONCRETE BARRIER
- (O) FENCE
- (P) PCC SIDEWALK

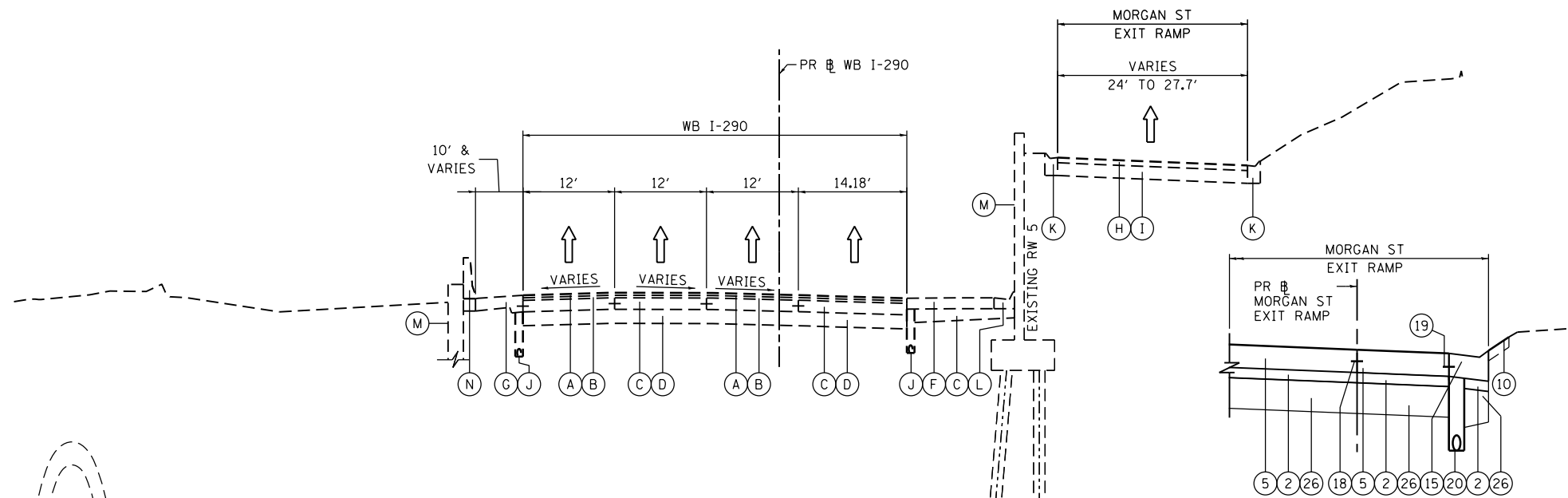
**PROPOSED**

- (1) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- (2) STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- (3) AGGREGATE SUBGRADE IMPROVEMENT 24"
- (4) PORTLAND CEMENT CONCRETE SHOULDERS 11"
- (5) PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
- (6) PORTLAND CEMENT CONCRETE SHOULDER, 9"
- (7) SUBBASE GRANULAR MATERIAL, TYPE C 4"
- (8) TEMPORARY PAVEMENT
- (9) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (10) TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A
- (11) CONCRETE BARRIER, SINGLE FACE, 42" HEIGHT
- (12) CONCRETE BARRIER WALL (SPECIAL)
- (13) CONCRETE BARRIER BASE
- (14) TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- (15) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (16) POROUS GRANULAR EMBANKMENT
- (17) LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 30" CENTERS, INCLUDED IN COST OF PCC ITEMS
- (18) LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 24" CENTERS, INCLUDED IN COST OF PCC ITEMS
- (19) TIE BARS, #6 EPOXY COATED BARS AT 24" CENTERS, INCLUDED IN COST OF COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- (20) PIPE UNDERDRAINS 6"
- (21) STORM SEWERS, 78" (SEE DRAINAGE PLANS)
- (22) CONCRETE GUTTER, TYPE B
- (23) CHAIN LINK FENCE, 42" ATTACHED TO STRUCTURE (SPECIAL) (SEE STRUCTURAL PLANS)
- (24) RETAINING WALL / PROPOSED BARRIER WALL (SN 016-Z030)
- (25) PARAPET (SEE STRUCTURAL PLANS)
- (26) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (27) PROPOSED NOISE ABATEMENT WALL
- (28) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

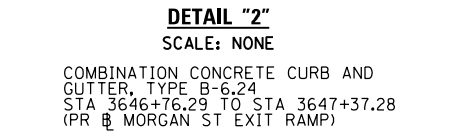
**NOTES:**

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 24".
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 SE TRANSITION DATA TABLE FOR SUPERELEVATION TRANSITIONS.
5. SEE CROSS SECTIONS FOR GRADING LIMITS AND SLOPES.
6. SEE ROADWAY DETAILS FOR ADDITIONAL INFORMATION AND LIMITS OF VARIOUS TYPES OF CONCRETE BARRIERS.
7. TIE BARS FOR BARRIER WALLS ARE NOT SHOWN ON THE TYPICAL SECTIONS FOR CLARITY.

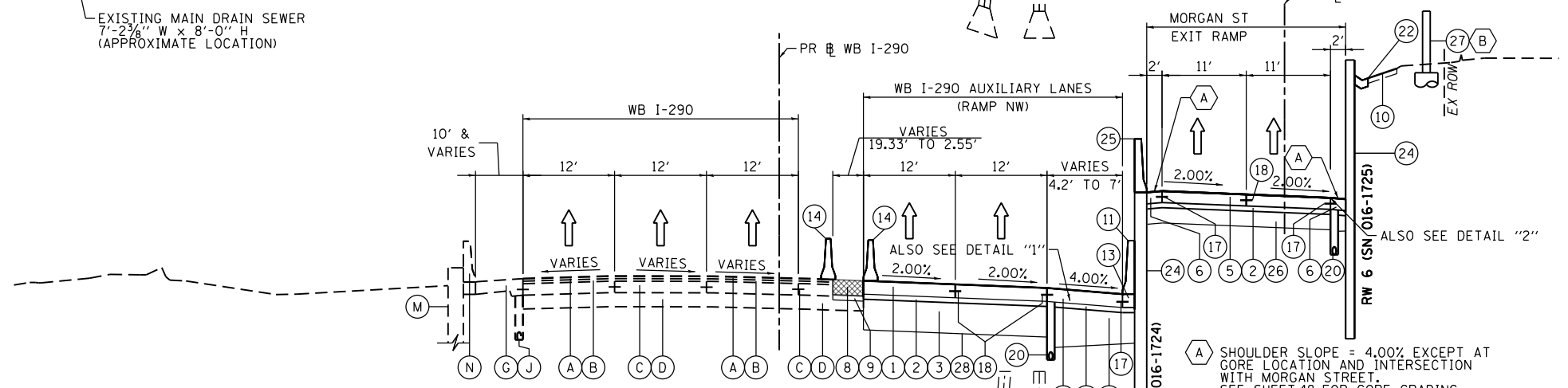
BOXED ITEMS ARE INCLUDED IN THE COST OF THE CONTRACT.



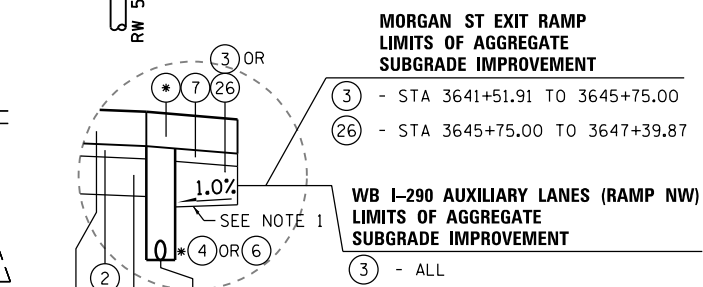
**3 EXISTING TYPICAL SECTION  
WB I-290 (LOOKING WEST)**  
STA 5228+87.77 TO STA 5231+26.49



**DETAIL "2"**  
SCALE: NONE  
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24  
STA 3646+76.29 TO STA 3647+37.28  
(PR WB MORGAN ST EXIT RAMP)



**4 PROPOSED TYPICAL SECTION  
WB I-290 (LOOKING WEST)**  
STA 5228+87.77 TO STA 5231+26.49



**DETAIL "1"**  
SCALE: NONE  
MORGAN ST EXIT RAMP LIMITS OF AGGREGATE SUBGRADE IMPROVEMENT  
3 - STA 3641+51.91 TO 3645+75.00  
26 - STA 3645+75.00 TO 3647+39.87  
WB I-290 AUXILIARY LANES (RAMP NW) LIMITS OF AGGREGATE SUBGRADE IMPROVEMENT  
3 - ALL

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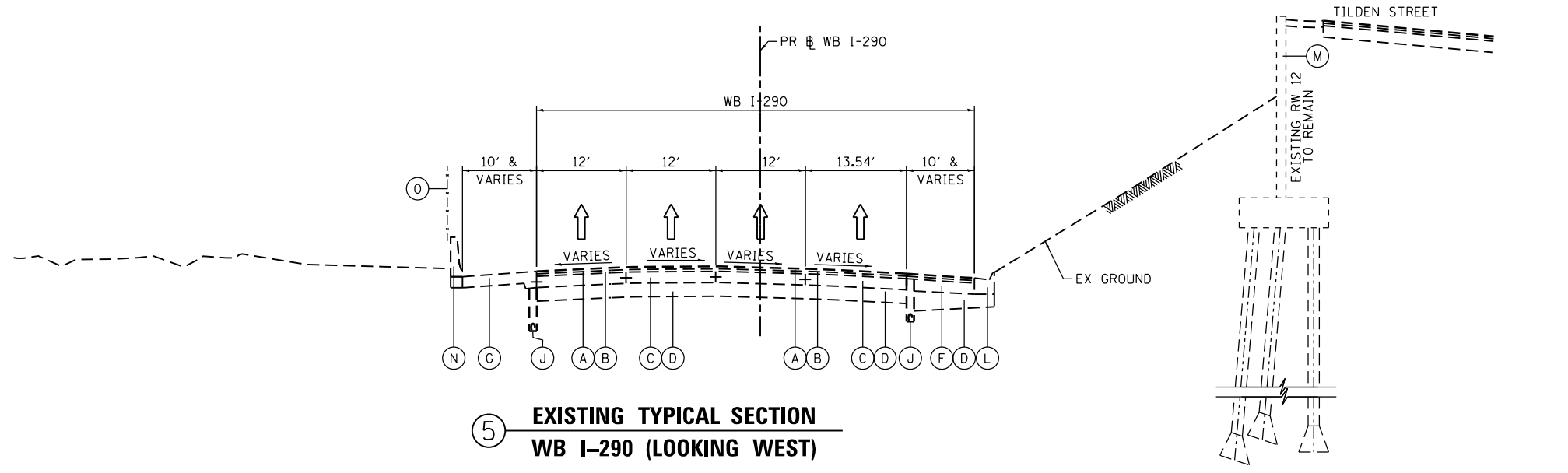
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TYPICAL SECTIONS

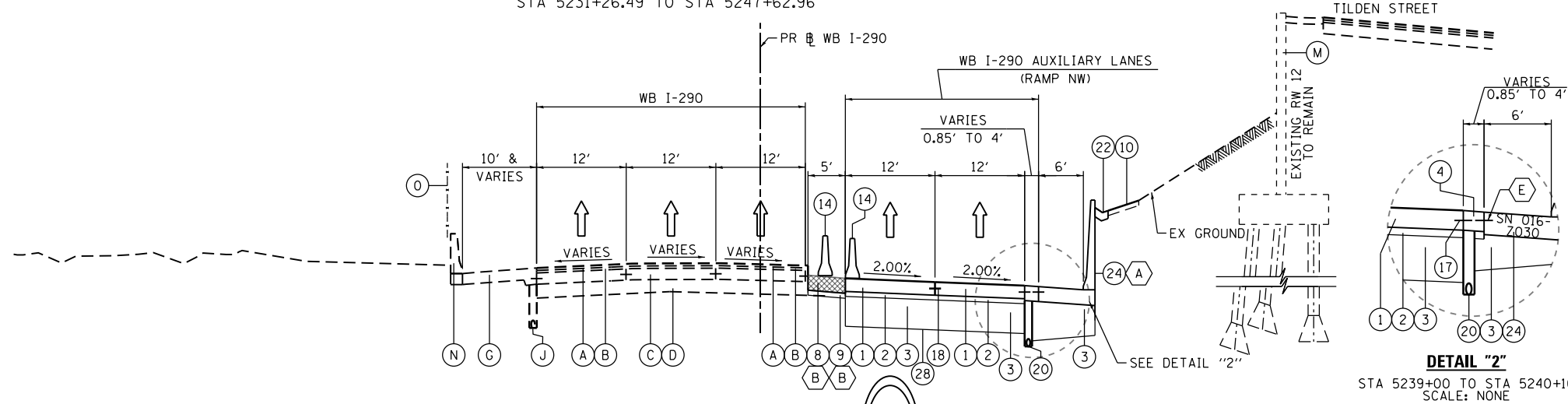
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	21
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

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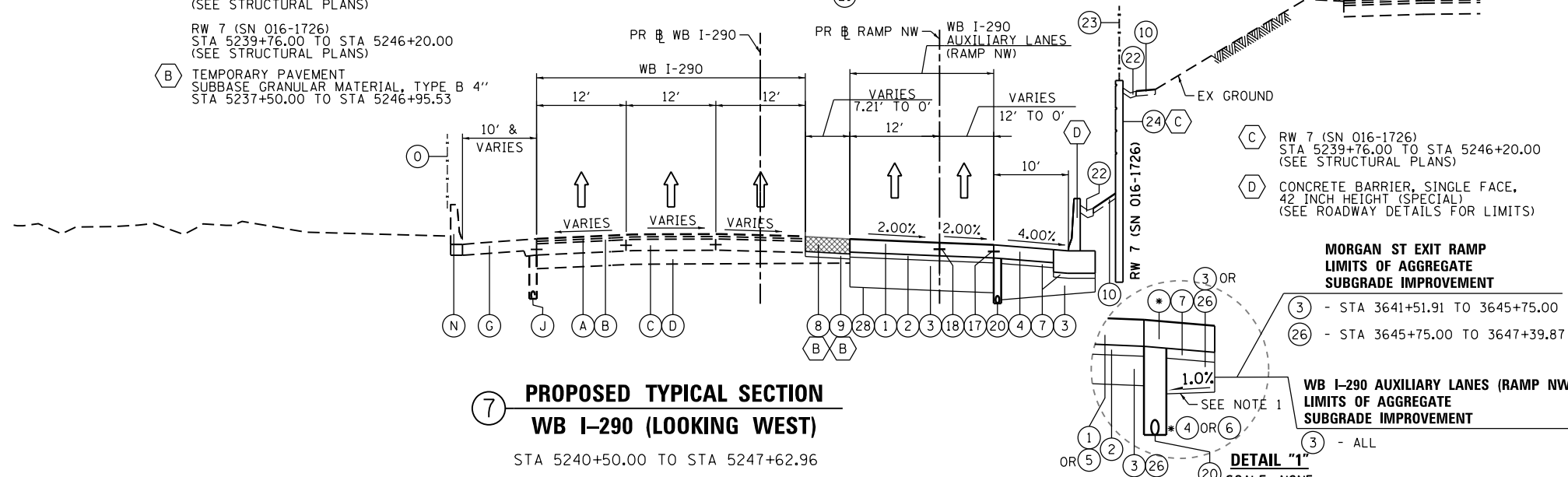


5 EXISTING TYPICAL SECTION  
WB I-290 (LOOKING WEST)  
STA 5231+26.49 TO STA 5247+62.96

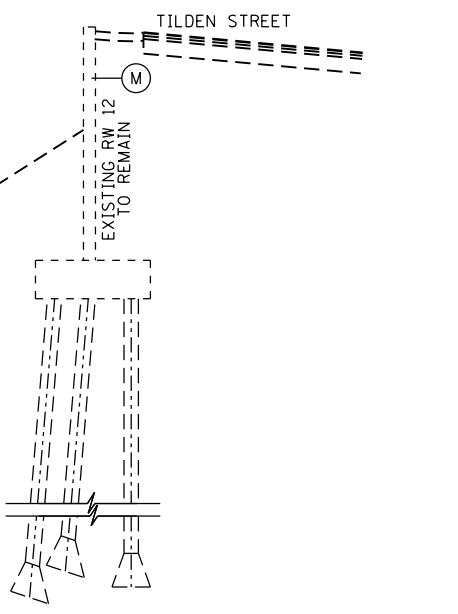


6 PROPOSED TYPICAL SECTION  
WB I-290 (LOOKING WEST)  
STA 5231+26.49 TO STA 5240+50.00

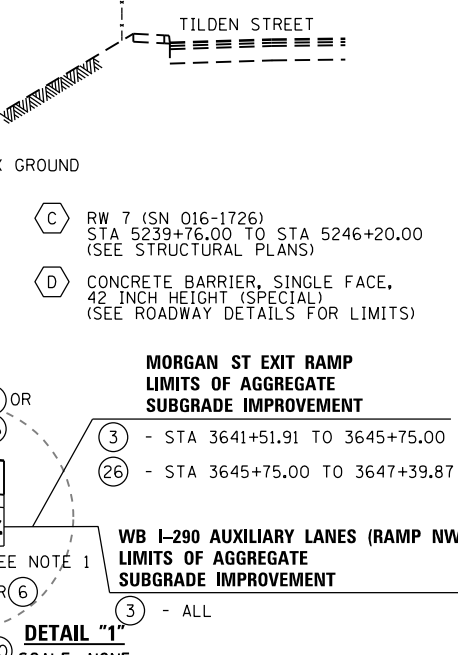
- A PROPOSED BARRIER WALL (SN 016-Z030) STA 5239+00.00 TO STA 5240+10.00 (SEE STRUCTURAL PLANS)
- RW 7 (SN 016-1726) STA 5239+76.00 TO STA 5246+20.00 (SEE STRUCTURAL PLANS)
- B TEMPORARY PAVEMENT SUBBASE GRANULAR MATERIAL, TYPE B 4" STA 5237+50.00 TO STA 5246+95.53



7 PROPOSED TYPICAL SECTION  
WB I-290 (LOOKING WEST)  
STA 5240+50.00 TO STA 5247+62.96



DETAIL "2"  
STA 5239+00 TO STA 5240+10  
SCALE: NONE



DETAIL "1"  
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 PCC SHOULDER
- H HMA PAVEMENT 2 3/4" - 5"
- I PCC PAVEMENT 10"
- J PIPE UNDERDRAIN
- K COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- L COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- M RETAINING WALL
- N CONCRETE BARRIER
- O FENCE
- P PCC SIDEWALK

**PROPOSED**

- 1 PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- 2 STABILIZED SUBBASE-HOT MIX ASPHALT, 4"
- 3 AGGREGATE SUBGRADE IMPROVEMENT 24"
- 4 PORTLAND CEMENT CONCRETE SHOULDERS 11"
- 5 PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
- 6 PORTLAND CEMENT CONCRETE SHOULDER, 9"
- 7 SUBBASE GRANULAR MATERIAL, TYPE C 4"
- 8 TEMPORARY PAVEMENT
- 9 SUBBASE GRANULAR MATERIAL, TYPE B 4"
- 10 TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A
- 11 CONCRETE BARRIER, SINGLE FACE, 42" HEIGHT
- 12 CONCRETE BARRIER WALL (SPECIAL)
- 13 CONCRETE BARRIER BASE
- 14 TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- 15 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 16 POROUS GRANULAR EMBANKMENT
- 17 LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 30" CENTERS, INCLUDED IN COST OF PCC ITEMS
- 18 LONGITUDINAL CONSTRUCTION JOINT, #6 EPOXY COATED BARS AT 24" CENTERS, INCLUDED IN COST OF PCC ITEMS
- 19 TIE BARS, #6 EPOXY COATED BARS AT 24" CENTERS, INCLUDED IN COST OF COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- 20 PIPE UNDERDRAINS 6"
- 21 STORM SEWERS, 78" (SEE DRAINAGE PLANS)
- 22 CONCRETE GUTTER, TYPE B
- 23 CHAIN LINK FENCE, 42" ATTACHED TO STRUCTURE (SPECIAL) (SEE STRUCTURAL PLANS)
- 24 RETAINING WALL / PROPOSED BARRIER WALL (SN 016-Z030)
- 25 PARAPET (SEE STRUCTURAL PLANS)
- 26 AGGREGATE SUBGRADE IMPROVEMENT 12"
- 27 PROPOSED NOISE ABATEMENT WALL
- 28 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

**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 24".
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 SE TRANSITION DATA TABLE FOR SUPERELEVATION TRANSITIONS.
5. SEE CROSS SECTIONS FOR GRADING LIMITS AND SLOPES.
6. SEE ROADWAY DETAILS FOR ADDITIONAL INFORMATION AND LIMITS OF VARIOUS TYPES OF CONCRETE BARRIERS.
7. TIE BARS FOR BARRIER WALLS ARE NOT SHOWN ON THE TYPICAL SECTIONS FOR CLARITY.

BOXED ITEMS ARE INCLUDED IN THE COST OF THE CONTRACT.



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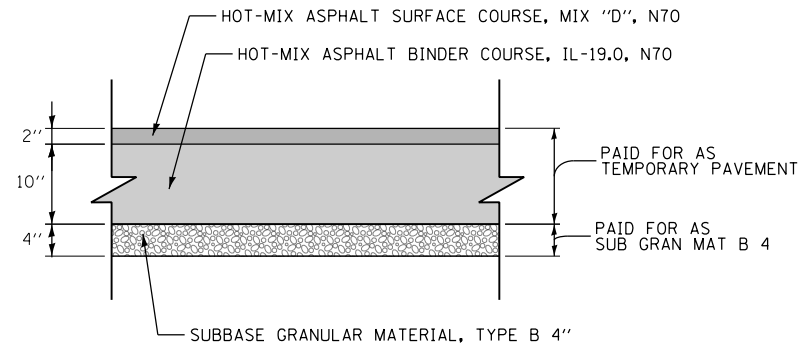
TYPICAL SECTIONS  
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	22
CONTRACT NO. 60X61				
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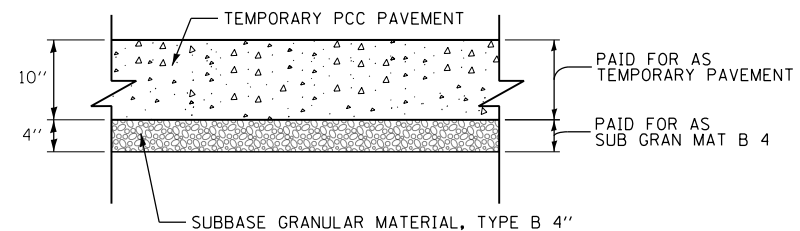
**TEMPORARY PAVEMENT DETAILS:**

**DETAIL A: FULL DEPTH TEMPORARY HMA PAVEMENT**



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

**DETAIL B: TEMPORARY PCC PAVEMENT**



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

**TEMPORARY PAVEMENT GENERAL NOTES:**

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

**HOT MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS (%) @NDENES	OMP
<b>TEMPORARY PAVEMENT ( IF HMA OPTION IS SELECTED BY CONTRACTOR)</b>		
<b>WB I-290</b>		
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
<b>WB I-290 AUXILIARY LANE ( RAMP NW)</b>		
STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" ( HMA BINDER IL-19 MM)	3% @ 50 GYR	QCP
OMP 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/SO YD/IN.
2. FOR NON-POLYMERIZED HMA THE AC TYPE SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.
3. QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

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DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS - TEMPORARY PAVEMENT**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	23
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

**REMOVAL SCHEDULE**

SHEET	STATION	TO	STATION	TREE REMOVAL, ACRES	PAVEMENT REMOVAL	PAVED SHOULDER REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	REMOVE TEMPORARY CONCRETE BARRIER	REMOVE IMPACT ATTENUATORS, NO SALVAGE	FENCE REMOVAL
				ACRE	SO YD	SO YD	FOOT	FOOT	EACH	FOOT
1	5227+94.18		5238+00.00	0.17	2443	1263	1,183	50	1	68
2	5238+00.00		5247+80.00		607	982	982			
TOTAL				0.17	3050	2245	2165	50	1	68
ROUNDED TOTAL				0.25	3050	2245	2165	50	1	68

**SAFETY SCHEDULE**

LOCATION	STATION	TO	STATION	SHOULDER RUMBLE STRIPS, 16 INCH	CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT	CONCRETE BARRIER TRANSITION	CONCRETE BARRIER BASE	IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 3	BARRIER WALL MARKERS, TYPE C	TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)	TEMPORARY PAVEMENT MARKING - LINE 6"	CONCRETE BARRIER WALL (SPECIAL)	CONCRETE BARRIER, VARIABLE CROSS-SECTION 42 INCH HEIGHT	CONCRETE BARRIER, SINGLE FACE 42 INCH HEIGHT (SPECIAL)
				FOOT	FOOT	FOOT	FOOT	EACH	EACH	FOOT	FOOT	FOOT	FOOT	FOOT
1	5227+94.18		5238+00.00	221	130	64	548	1	212	1700	1700	56	298	398
2	5238+00.00		5247+80.00	798	403		403		66					337
TOTAL				1019	533	64	951	1	278	1700	1700	56	298	735
ROUNDED TOTAL				1019	533	64	951	1	278	1700	1700	56	298	735

**CONCRETE GUTTER, TYPE B SCHEDULE**

START		END		CONCRETE GUTTER, TYPE B
STATION	OFFSET	STATION	OFFSET	
1842+36.04	31.52' RT	1845+35.66	51.70' RT	301
1845+35.66	51.70' RT	1847+28.80	52.40' RT	190
1848+52.81	18.58' RT	1852+30.79	18.58' RT	377
1852+30.79	18.58' RT	1854+51.56	24.21' RT	221
1854+54.62	25.58' RT	1860+24.08	26.33' RT	570
1858+18.06	19.58' RT	1860+62.84	14.69' RT	245
TOTAL				1,904

**TREE REMOVAL SCHEDULE**

SHEET	ALIGNMENT	LOCATION		TREE REMOVAL (6 TO 15 INCHES DIAMETER)	TREE REMOVAL (OVER 15 INCHES DIAMETER)
		STATION	OFFSET	UNIT	UNIT
1	EX WB I-290	338+13.61	65.41' LT	10	
	EX WB I-290	337+71.99	64.96' LT		18
	EX WB I-290	337+08.13	55.47' LT	12	
	EX WB I-290	335+92.82	51.21' LT	8	
2	EX WB I-290	333+94.30	60.99' LT	10	
	EX WB I-290	333+07.68	55.79' LT	8	
	EX WB I-290	333+09.20	75.06' LT		16
	EX WB I-290	332+74.81	76.83' LT		16
	EX WB I-290	332+40.83	54.97' LT	6	
	EX WB I-290	332+36.44	51.32' LT	6	
	EX WB I-290	332+30.70	59.02' LT	7	
	EX WB I-290	332+29.13	50.03' LT	6	
	EX WB I-290	331+85.25	55.54' LT	11	
	EX WB I-290	331+51.67	56.69' LT	6	
	EX WB I-290	330+37.54	56.18' LT	10	
	EX WB I-290	329+95.21	60.94' LT	12	
	EX WB I-290	328+91.66	63.13' LT	12	
EX WB I-290	328+70.53	59.48' LT	14		
TOTAL				138	50

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SCHEDULE OF QUANTITIES  
 SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	24
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

**ROADWAY SCHEDULE**

LOCATION	STATION	TO	STATION	••																	
				POROUS GRANULAR EMBANKMENT CU YD	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SQ YD	AGGREGATE SUBGRADE IMPROVEMENT, 12" SQ YD	AGGREGATE SUBGRADE IMPROVEMENT, 24" SQ YD	SUBBASE GRANULAR MATERIAL, TYPE C, 4" SQ YD	SUBBASE GRANULAR MATERIAL, TYPE B, 4" SQ YD	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" SQ YD	BITUMINOUS MATERIALS (PRIME COAT) POUND	PROTECTIVE COAT SQ YD	PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED) SQ YD	PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED) SQ YD	PORTLAND CEMENT CONCRETE SHOULDERS 9" SQ YD	PORTLAND CEMENT CONCRETE SHOULDERS 11" SQ YD	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6, 24 FOOT	CONCRETE MEDIAN SURFACE, SPECIAL SQ FT	TEMPORARY PAVEMENT SQ YD	PAVEMENT GROOVING SQ YD	
1	5227+94.18		5238+00.00		4724	500	4724	843	628	4252	2482	7586	899	3032	159	631	61.5		628	3931	
2	5238+00.00		5247+80.00	98	3472		3472	1267	490	2353	1504	4888		2190		977		625	490	2190	
TOTAL				98	8196	500	8196	2110	1118	6605	3986	12474	899	5222	159	1608	61.5	625	1118	6121	
ALLOWANCE				500																	
TOTAL WITH ALLOWANCE				598	8196	500	8196	2110	1118	6605	3986	12474	899	5222	159	1608	61.5	625	1118	6121	
ROUNDED TOTAL				598	8196	500	8196	2110	1118	6605	3986	12474	899	5222	159	1608	61.5	625	1118	6121	

•• GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE USED ONLY WITH AGGREGATE SUBGRADE IMPROVEMENT, 24".

**TREE TRUNK PROTECTION SCHEDULE**

SHEET	ALIGNMENT	LOCATION		TREE TRUNK PROTECTION EACH
		STATION	OFFSET	
2	EX WB I-290	332+38.66	82.26' LT	1
	EX WB I-290	332+00.37	83.37' LT	1
	EX WB I-290	331+68.07	83.58' LT	1
	EX WB I-290	331+38.09	82.45' LT	1
	EX WB I-290	330+99.72	79.68' LT	1
	EX WB I-290	330+56.64	80.39' LT	1
	EX WB I-290	329+99.34	77.40' LT	1
	EX WB I-290	329+57.18	75.14' LT	1
	EX WB I-290	328+97.60	75.40' LT	1
	EX WB I-290	328+77.80	75.05' LT	1
	EX WB I-290	328+06.42	70.23' LT	1
	EX WB I-290	327+87.32	71.67' LT	1
	EX WB I-290	327+68.23	70.67' LT	1
	EX WB I-290	327+48.53	70.47' LT	1
	EX WB I-290	327+28.61	70.42' LT	1
	EX WB I-290	326+46.94	102.37' LT	1
	EX WB I-290	326+41.82	79.91' LT	1
	EX WB I-290	326+34.00	88.33' LT	1
EX WB I-290	326+23.16	79.95' LT	1	
EX WB I-290	326+20.21	101.21' LT	1	
EX WB I-290	325+97.85	82.21' LT	1	
EX WB I-290	325+88.64	83.66' LT	1	
EX WB I-290	325+84.64	73.06' LT	1	
EX WB I-290	325+82.15	64.21' LT	1	
TOTAL				24

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 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: NONE SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	25
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

**EARTHWORK SCHEDULE**

STATION TO STATION	EARTH EXCAVATION CU YD	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS CU YD	EXCAVATION TO BE USED IN EMBANKMENT [ EARTH EXCAVATION X 0.85 ] CU YD	EMBANKMENT ( NOTE 2 ) CU YD	EARTHWORK BALANCE WASTE ( + ) OR SHORTAGE ( - ) NOTE ( 3 ) CU YD
5227+93.59 TO 5228+00.00	18	0	16	0	+16
5228+00.00 TO 5228+28.94	182	24	155	7	+148
5228+28.94 TO 5228+50.00	198	35	169	18	+151
5228+50.00 TO 5228+88.92	329	62	280	53	+227
5228+88.92 TO 5228+88.92	0	0	0	0	0
5228+88.92 TO 5229+00.00	85	17	73	15	+58
5229+00.00 TO 5229+50.00	311	71	265	70	+195
5229+50.00 TO 5230+00.00	229	60	195	78	+117
5230+00.00 TO 5230+50.00	221	48	188	81	+107
5230+50.00 TO 5231+00.00	319	43	272	59	+213
5231+00.00 TO 5231+26.49	231	23	197	17	+180
5231+26.49 TO 5231+50.00	229	17	195	0	+195
5231+50.00 TO 5232+00.00	523	29	445	7	+438
5232+00.00 TO 5232+50.00	551	26	469	6	+463
5232+50.00 TO 5232+77.62	306	14	261	1	+260
5232+77.62 TO 5232+77.62	0	0	0	0	0
5232+77.62 TO 5233+00.00	247	12	210	1	+209
5233+00.00 TO 5233+21.45	230	11	196	1	+195
5233+21.45 TO 5233+50.00	295	13	251	1	+250
5233+50.00 TO 5233+58.11	59	3	51	1	+50
5233+58.11 TO 5233+84.48	115	5	98	1	+97
5233+84.48 TO 5234+00.00	59	0	51	0	+51
5234+00.00 TO 5234+45.98	164	12	140	0	+140
5234+45.98 TO 5234+50.00	15	2	13	3	+10
5234+50.00 TO 5235+00.00	191	37	163	27	+136
5235+00.00 TO 5235+50.00	233	53	199	0	+199
5235+50.00 TO 5236+00.00	233	50	199	0	+199
5236+00.00 TO 5236+50.00	213	45	182	0	+182
5236+50.00 TO 5237+00.00	221	39	188	0	+188
5237+00.00 TO 5237+50.00	230	33	196	0	+196
5237+50.00 TO 5238+00.00	224	28	191	0	+191
5238+00.00 TO 5238+50.00	242	29	206	0	+206
5238+50.00 TO 5239+00.00	229	38	195	0	+195
5239+00.00 TO 5239+50.00	214	48	182	0	+182
5239+50.00 TO 5239+76.00	136	28	116	0	+116
5239+76.00 TO 5239+76.00	0	0	0	0	0
5239+76.00 TO 5240+00.00	127	27	108	1	+107
5240+00.00 TO 5240+10.00	50	12	43	1	+42
5240+10.00 TO 5240+50.00	233	43	199	3	+196
5240+50.00 TO 5241+00.00	355	51	302	3	+299

STATION TO STATION	EARTH EXCAVATION CU YD	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS CU YD	EXCAVATION TO BE USED IN EMBANKMENT [ EARTH EXCAVATION X 0.85 ] CU YD	EMBANKMENT ( NOTE 2 ) CU YD	EARTHWORK BALANCE WASTE ( + ) OR SHORTAGE ( - ) NOTE ( 3 ) CU YD
5241+00.00 TO 5241+50.00	371	50	316	4	+312
5241+50.00 TO 5242+00.00	373	53	318	4	+314
5242+00.00 TO 5242+50.00	381	54	324	3	+321
5242+50.00 TO 5243+00.00	374	50	318	3	+315
5243+00.00 TO 5243+50.00	350	45	298	3	+295
5243+50.00 TO 5244+00.00	326	47	278	5	+273
5244+00.00 TO 5244+50.00	296	43	252	5	+247
5244+50.00 TO 5245+00.00	260	33	221	4	+217
5245+00.00 TO 5245+50.00	212	30	181	4	+177
5245+50.00 TO 5246+00.00	161	35	137	4	+133
5246+00.00 TO 5246+20.00	51	13	44	3	+41
5246+20.00 TO 5246+50.00	68	10	58	3	+55
5246+50.00 TO 5246+75.00	54	4	46	1	+45
5246+75.00 TO 5247+00.00	48	2	41	0	+41
5247+00.00 TO 5247+50.00	79	0	68	0	+68
5247+50.00 TO 5247+80.00	44	0	38	0	+38
<b>TOTALS</b>	<b>11,495</b>	<b>1,557</b>	<b>9,797</b>	<b>501</b>	<b>+9,296</b>
<b>ROUNDED TOTAL (NOTE 4)</b>	<b>11,495</b>	<b>1,560</b>			

\* NOT A PAY ITEM

**NOTES:**

1. ESTIMATED SHRINKAGE FACTOR = 15%
2. APPROXIMATE EMBANKMENT QUANTITY IS SHOWN FOR INFORMATION ONLY.
3. APPROXIMATE EARTHWORK BALANCE IS SHOWN FOR INFORMATION ONLY.
4. EARTH EXCAVATION TOTAL IS ROUNDED UP TO THE NEAREST 5 CU YD.
5. REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS IS INTENDED FOR TOPSOIL. TOPSOIL DEPTH IS ESTIMATED AT A 9" THICKNESS.
6. THE END AREAS IDENTIFIED ON THE CROSS SECTIONS DO NOT DIFFERENTIATE THE REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FROM EARTH EXCAVATION.

FILE PATH = p:\388035-P\INTL\ecommon\ins\local\PIAECD\00\Documents\01\Americas\Transportation\60269938\Circle\Phase\_II\000\_CDD\_006\_Roadway\Sheets\60X61\_Contract\0160X61-sht-Schedule-03.dgn



D160X61-sht-Schedule-03.dgn  
 USER NAME = pimsarno  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 12/5/2014

DESIGNED - OPS  
 DRAWN - OPS  
 CHECKED - DBM  
 DATE - 12/05/14

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	26
<b>CONTRACT NO. 60X61</b>				
ILLINOIS FED. AID PROJECT				

**EXISTING DRAINAGE STRUCTURE SCHEDULE (IDOT)**

STATION	OFFSET	REMOVING MANHOLES	REMOVING CATCH BASINS	REMOVING INLETS	REMOVING TEMPORARY BULKHEAD
		EACH	EACH	EACH	EACH
1833+38.59	19.80' LT	1			
1833+52.12	32.87' LT	1			
1833+60.62	44.84' LT				1
1842+20.09	7.70' LT		1		
1842+38.78	29.04' LT				1
1844+25.99	11.67' LT		1		
1844+49.54	7.10' LT		1		
1846+68.89	2.63' RT	1			
1848+92.03	13.92' RT			1	
1849+02.25	10.47' RT		1		
1849+38.74	6.03' RT		1		
1849+77.37	6.18' RT		1		
1850+91.97	5.90' RT		1		
1850+94.40	4.34' LT	1			
1853+11.20	0.78' LT		1		
1853+13.04	10.27' LT	1			
1855+34.58	9.92' LT		1		
1856+52.85	8.90' LT		1		
1858+74.88	5.39' LT	1			
1858+76.55	1.58' RT		1		
1860+59.89	8.41' RT		1		
1861+00.98	8.88' RT		1		
1861+19.53	8.25' RT		1		
1861+80.49	11.79' RT		1		
1861+80.38	16.97' RT		1		
<b>TOTALS</b>		<b>6</b>	<b>16</b>	<b>1</b>	<b>2</b>

**EXISTING PIPE SCHEDULE (IDOT)**

STATION	TRENCH BACKFILL	STORM SEWER REMOVAL			VIDEO TAPING OF MAIN DRAIN	PLUG EXISTING STORM SEWERS
		10"	12"	18"		
		CU YD	FOOT			
1832+00.00 TO 1840+00.00	0.0	26	30	-	-	-
1840+00.00 TO 1852+00.00	40.1	228	165	-	5514	1.9
1852+00.00 TO 1861+85.19	56.6	10	307	7	-	2.4
<b>ROUNDED TOTAL</b>	<b>96.7</b>	<b>264</b>	<b>502</b>	<b>7</b>	<b>5514</b>	<b>4.3</b>

**NOTES:**

1. ADDITIONAL TRENCH BACKFILL QUANTITY PROVIDED ON THE DRAINAGE AND UTILITY SCHEDULE FOR THE PROPOSED STORM SEWER.
2. THE QUANTITY PROVIDED FOR VIDEO TAPING OF MAIN DRAIN CONSIST OF WORK BEFORE AND AFTER CONSTRUCTION.
3. COORDINATE WITH 60W28 CONTRACTOR ON WHETHER TEMPORARY BULKHEADS HAVE BEEN INSTALLED PRIOR TO CONSTRUCTION AND FOR CONNECTIONS TO THEIR PROPOSED SEWERS AND MANHOLES.

**EXISTING UTILITY STRUCTURE SCHEDULE (IDOT)**

STATION	OFFSET	FRAMES AND LIDS TO BE ADJUSTED	COMMENTS
		EACH	
<b>MORGAN STREET EXIT RAMP</b>			
3647+22.04	3.37' RT	1	CITY OF CHICAGO WATER MAIN STRUCTURE
<b>TOTALS</b>		<b>1</b>	

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D160X61-sht-Drain-Schedule-01  
 USER NAME = ChiuA  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 12/3/2014

DESIGNED - AFC  
 DRAWN - AFC  
 CHECKED - EEY  
 DATE - 12/05/14

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY SCHEDULES**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	27
<b>CONTRACT NO. 60X61</b>				
ILLINOIS FED. AID PROJECT				

**PROPOSED DRAINAGE STRUCTURE SCHEDULE (IDOT)**

STRUCTURE	LOCATION	OFFSET	(EDGE OF PAVEMENT, EDGE OF SHOULDER, FLOWLINE, 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 10 FRAME AND GRATE	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	CATCH BASINS, TYPE C, TYPE 10 FRAME AND GRATE	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	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	MANHOLES, TYPE A, 10'-DIAMETER, TYPE 1 FRAME, CLOSED LID	TEMPORARY BULKHEAD
													EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
<b>RAMP NW</b>																							
S-MD00	1842+38.78	29.04' LT	COS	577.55		555.98	555.98 (EX)															1	
S-MD01	1843+82.49	19.04' LT	COS	578.38	569.05	556.05	556.05															1	
** S-MD02	1848+86.70	2.66' LT	COS	576.53		556.31	556.31/570.38			569.31												1	
** S-MD03	1852+00.50	2.66' LT	COS	578.96		556.46	556.46			565.46												1	
** S-MD04	1861+64.93	1.77' LT	COS	576.39		556.95	556.95			566.95												1	
**	-	1861+80.91	2.78' LT	-	-	556.95																1	
S-MD07	1832+46.30	55.52' RT	COS	587.63					(555.46 - FUTURE)		557.30	555.46										1	
<b>SUBTOTALS</b>													0	0	0	0	0	0	0	0	4	2	2
S-01	1843+81.95	7.16' RT	COS	578.34	571.19		569.69	569.19		569.69								1					
S-02	1842+67.72	6.00' RT	COS	577.46	570.26	570.26		570.26										1					
S-03	1844+32.72	16.15' RT	COS	578.57	569.95	569.95				569.95								1					
S-04	1842+67.24	30.40' RT	EOS	576.91		570.37	570.37	570.37						1									
S-05	1842+39.26	29.11' RT	EOS	577.03		570.51								1									
S-06 (FST)	1843+18.57	32.67' RT	EOS	577.23	573.63		570.63							1									
S-06A	1843+18.47	38.17' RT	FL	590.68				573.99					1										
S-07	3643+31.63	2.00' RT	EOS	577.73				571.32						1									
S-08	3643+82.64	2.00' RT	EOS	578.15				570.05						1									
S-09	3644+80.00	18.00' LT	EOS	580.39	570.44		570.44							1									
S-10	3644+80.00	7.44' RT	EOS	579.71		574.04		570.54						1									
S-10A	3647+05.00	6.00' RT	EOP	593.56			580.79	587.79							1								
S-11	3647+05.07	19.46' LT	EOS	593.85	587.92											1							
<b>SUBTOTALS</b>													1	7	1	0	1	1	2	0	0	0	0
S-12	1846+72.50	6.00' LT	COS	578.05		571.45		571.45	571.45									1					
S-13	1846+67.52	17.00' RT	COS	577.55			571.57			571.57		571.57						1					
S-14	1846+02.76	21.29' RT	EOS	578.17								572.37		1									
S-16	1846+77.49	21.33' RT	EOS	577.26		571.63				571.63				1									
S-17 (FST)	1847+52.07	18.88' RT	EOS	576.47		572.00	572.00							1									
S-18 (FST)	1848+21.95	16.00' RT	EOS	576.13			572.35							1									
** S-19	1848+96.67	6.00' RT	COS	576.39	569.42	569.42				569.42								1					
** S-20	1850+51.12	6.00' RT	COS	577.51			570.74	570.74		570.74								1					
** S-21 (FST)	1848+96.67	16.00' RT	EOS	576.11		569.46	569.46	569.46	571.63					1									
S-21A	1848+89.78	19.33' RT	FL	578.53								571.68				1							
** S-22	1848+62.38	16.00' RT	EOS	576.05		569.64								1									
** S-23	1849+76.47	16.00' RT	EOS	576.60			570.14							1									
** S-24	1850+56.16	16.00' RT	EOS	577.27		570.79				570.59				1									
** S-25	1851+35.76	16.00' RT	EOS	577.96			571.47							1									
<b>SUBTOTALS</b>													0	9	0	1	0	2	2	0	0	0	0

**NOTES:**

- THE PROPOSED STRUCTURE SHALL BE A FLAT SLAB TOP WHEN IT IS ABBREVIATED FST.
- SEE SHEET NO. 29 FOR ADDITIONAL PROPOSED DRAINAGE STRUCTURE QUANTITIES.
- SEE SHEET NO. 32 FOR PIPE UNDERDRAIN DETAIL FOR CONNECTING TO THE PROPOSED DRAINAGE STRUCTURE.
- SEE DRAINAGE DETAILS SHEET NO. 263 AND 264 FOR THE PLACEMENT DETAILS OF THE FRAME AND LIDS.
- WHERE THE PROPOSED DRAINAGE STRUCTURE IS NOTED WITH DOUBLE ASTERISK (\*\*), THE CONTRACTOR SHALL INSTALL THE STRUCTURE PRIOR TO CONSTRUCTION OF RETAINING WALL 7 (SN 016-1726) AND BARRIER WALLS WEST OF MORGAN STREET BRIDGE. THE STRUCTURE SHALL BE PROTECTED WITH A COVER PLATE OR OTHER TEMPORARY MEASURE DURING INTERIM CONDITIONS. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
- ENGINEERED BARRIER IS REQUIRED FOR TRENCH LIMITS FOR CERTAIN LOCATIONS. SEE SPECIAL PROVISIONS FOR DETAILS.

FILE PATH = p:\61779-PM\INT\pccom\line\loc\16061-1\000\_CAD\006\_Roadway\Sheets\6061-1\Contract\16061-1\16061-1-Drain-Schedule-02



D16061-1-Drain-Schedule-02  
 USER NAME = ChiuA  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 12/18/2014

DESIGNED - AFC  
 DRAWN - AFC  
 CHECKED - EYJ  
 DATE - 12/17/14

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY SCHEDULES**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	28
CONTRACT NO. 60X61				

ILLINOIS FED. AID PROJECT



**PROPOSED DRAINAGE STRUCTURE SCHEDULE (IDOT)**

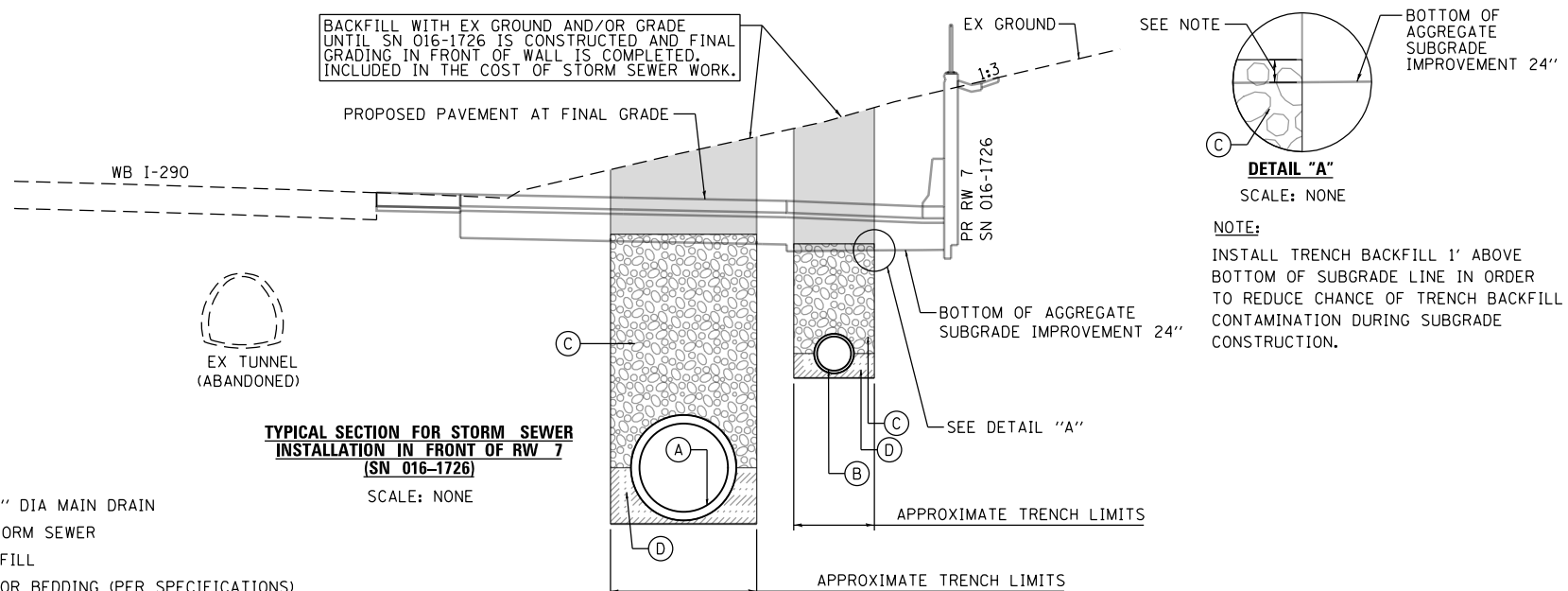
STRUCTURE	LOCATION	OFFSET	(EDGE OF PAVEMENT, EDGE OF SHOULDER, FLOWLINE, OR CENTER OF STRUCTURE)	RIM (ELEV)	N. INVERT (ELEV)	W. INVERT (ELEV)	E. INVERT (ELEV)	S. INVERT (ELEV)	NE. INVERT (ELEV)	NW. INVERT (ELEV)	SE. INVERT (ELEV)	SW. INVERT (ELEV)	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 10 FRAME AND GRATE	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	CATCH BASINS, TYPE C, TYPE 10 FRAME AND GRATE	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	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	MANHOLES, TYPE A, 10'-DIAMETER, TYPE 1 FRAME, CLOSED LID	TEMPORARY BULKHEAD
** S-26	1852+15.45	6.00' RT	COS	578.91	572.55	565.55						565.55						1					
** S-27	1854+29.62	15.00' RT	COS	579.67	574.12	566.62	566.62			573.12								1					
S-27A	1854+29.62	25.33' RT	FL	582.07				574.18								1							
** S-28	1855+59.11	15.00' RT	COS	578.99		567.27	567.27		571.77									1					
** S-29	1857+74.08	11.00' RT	COS	577.41		567.70	567.70	570.95	570.95									1					
** S-30	1858+74.08	9.00' RT	COS	576.68		567.91	567.91		570.91									1					
** S-31 (FST)	1859+84.08	7.00' RT	COS	576.31			568.14	571.14	571.14	571.14								1					
** S-32	1852+15.45	16.00' RT	EOS	578.63		572.59		572.59					1										
** S-33	1853+00.12	18.66' RT	EOS	579.22			573.02						1										
** S-35	1854+79.42	22.00' RT	EOS	579.22					573.37				1										
** S-36 (FST)	1855+54.13	22.00' RT	EOS	578.74		573.97						571.81	1										
** S-37 (FST)	1856+19.08	20.98' RT	EOS	578.47			574.30						1										
** S-38	1857+69.08	17.98' RT	EOS	577.42								570.99	1										
** S-39	1858+69.08	15.98' RT	EOS	576.64								570.95	1										
** S-40	1859+79.08	13.78' RT	EOS	575.91								571.18	1										
S-40B (FST)	1860+17.46	16.35' RT	FL	578.57	573.57										1								
S-40C	1860+17.46	26.30' RT	FL	582.60				573.97							1								
SUBTOTALS													0	8	0	3	0	0	6	0	0	0	0
** S-41	1861+70.01	5.50' RT	COS	576.23					569.98			566.98						1					
** S-42	1861+58.04	13.18' RT	EOS	575.74			570.05					570.05		1									
** S-43	1861+03.91	15.59' RT	EOS	575.94		570.33							1										
SUBTOTALS													0	2	0	0	0	0	1	0	0	0	0
S-44	1833+52.12	32.87' LT	COS	585.01		572.84 /578.51 *		579.01 *	574.78									1					
S-45	1833+38.59	19.80' LT	COS	586.98		574.86 (BY OTHERS)				580.10 (BY OTHERS)		574.86							1	1	0	0	0
SUBTOTALS													0	0	0	0	0	0	1	1	0	0	0
TOTALS													1	26	1	4	1	3	12	1	4	2	2

**NOTES:**

- THE PROPOSED STRUCTURE SHALL BE A FLAT SLAB TOP WHEN IT IS ABBREVIATED FST.
- SEE SHEET NO. 28 FOR ADDITIONAL PROPOSED DRAINAGE STRUCTURE QUANTITIES.
- SEE SHEET NO. 32 FOR PIPE UNDERDRAIN DETAIL FOR CONNECTING TO THE PROPOSED DRAINAGE STRUCTURE.
- SEE DRAINAGE DETAILS SHEET NO. 263 AND 264 FOR THE PLACEMENT DETAILS OF THE FRAME AND LIDS.
- WHERE AN INVERT ELEVATION IS NOTED BY OTHERS, THE CONTRACTOR IS REQUIRED TO COORDINATE WORK WITH CONTRACT 60W28. CONTRACTOR COOPERATION IS REQUIRED.
- WHERE AN INVERT ELEVATION IS NOTED WITH AN ASTERISK (\*), THE CONTRACTOR SHALL MATCH THE EXISTING PIPE INVERT ELEVATION. FIELD VERIFICATION IS REQUIRED PRIOR TO REMOVAL OF EXISTING DRAINAGE STRUCTURE.
- WHERE THE PROPOSED DRAINAGE STRUCTURE IS NOTED WITH DOUBLE ASTERISK (\*\*), THE CONTRACTOR SHALL INSTALL THE STRUCTURE PRIOR TO CONSTRUCTION OF RETAINING WALL 7 (SN 016-1726) AND BARRIER WALLS WEST OF MORGAN STREET BRIDGE. THE STRUCTURE SHALL BE PROTECTED WITH A COVER PLATE OR OTHER TEMPORARY MEASURE DURING INTERIM CONDITIONS. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK.
- ENGINEERED BARRIER IS REQUIRED FOR TRENCH LIMITS FOR CERTAIN LOCATIONS. SEE SPECIAL PROVISIONS FOR DETAILS.

**LEGEND**

- (A) PROPOSED 78" DIA MAIN DRAIN
- (B) PROPOSED STORM SEWER
- (C) TRENCH BACKFILL
- (D) AGGREGATE FOR BEDDING (PER SPECIFICATIONS)



D160X61-sht-Drain-Schedule-03  
USER NAME = CHIA  
PLOT SCALE = 100.0000' / in.  
PLOT DATE = 12/18/2014

DESIGNED - AFC  
DRAWN - AFC  
CHECKED - EY  
DATE - 12/17/14

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY SCHEDULES**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	29
CONTRACT NO. 60X61				
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 2				STORM SEWERS, CLASS A, TYPE 3			STORM SEWERS, CLASS A, TYPE 4				STORM SEWERS, CLASS A, TYPE 6		STORM SEWER (WATER MAIN REQUIREMENTS)	TRENCH BACKFILL	CONTROLLED LOW-STRENGTH MATERIAL				
						12"	15"	18"	21"	24"	12"	15"	18"	78"	12"	24"	30"	78"				42"	78"	12 INCH	24 INCH
						FOOT				FOOT			FOOT				FOOT					FOOT		CU YD	CU YD
P-MD01	S-MD01	S-MD00	556.05	555.98	0.05%																340.9				
P-MD02	S-MD02	S-MD01	556.31	556.05	0.05%																	1137.7			
** P-MD03	S-MD03	S-MD02	556.46	556.31	0.05%																	710.1			
** P-MD04	S-MD04	S-MD03	556.95	556.46	0.05%																	2271.7			
** P-MD05	-	S-MD04	556.95	556.95	0.05%								16									31.5			
P-MD06	PR MH (BY OTHERS )	S-MD07	555.54	555.46	0.05%													158				179.0			
P-MD07	S-MD07	-	557.30	557.20	0.20%												50					0.0			
<b>SUBTOTALS</b>						<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1930</b>	<b>50</b>	<b>158</b>	<b>0</b>	<b>0</b>	<b>4670.9</b>	<b>0.0</b>		
P-01	S-01	S-MD01	569.19	569.05	0.50%							27										24.2			
P-02	S-02	S-01	570.26	569.69	0.50%			115														50.8			
P-03	S-03	S-01	569.95	569.69	0.50%							52										40.9			
P-04	S-04	S-02	570.37	570.26	0.50%																	7.0			
P-04A	-	S-02	570.35	570.26	0.50%			22														18.4			
P-05	S-05	S-04	570.51	570.37	0.50%			28														-	8.9		
P-06	S-06	S-04	570.63	570.37	0.50%			52														-	16.7		
P-06A	S-06A	S-06	573.99	573.63	4.00%										9							8.9			
P-07	S-07	S-01	571.32	571.19	0.50%																	8.3			
P-08	S-08	S-03	570.05	569.95	0.50%																	18.3			
P-09	S-09	S-03	570.44	569.95	0.50%																	90.7			
P-10	S-10	S-09	570.54	570.44	0.50%																	20.4			
P-10A	S-10A	S-10	580.79	574.04	3.00%								225									-	271.9		
P-11	S-11	S-10A	587.92	587.79	0.50%																	8.4			
<b>SUBTOTALS</b>						<b>80</b>	<b>231</b>	<b>115</b>	<b>0</b>	<b>79</b>	<b>0</b>	<b>225</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>296.3</b>	<b>297.4</b>	
P-12	S-12	S-MD02	571.45	570.38	0.50%																	215	56.6		
P-12A	-	S-12	571.48	571.45	0.50%																	6	1.8		
P-13	S-13	S-12	571.57	571.45	0.50%																	24	6.2		
P-14	S-14	S-13	572.37	571.57	1.23%																	65	-		
P-16	S-16	S-13	571.63	571.57	0.50%																	11	2.6		
P-17	S-17	S-16	572.00	571.63	0.50%																	75	-		
P-18	S-18	S-17	572.35	572.00	0.50%																	70	11.0		
P-19	S-19	S-MD02	569.42	569.31	0.85%																	14	3.0		
** P-20	S-20	S-19	570.74	569.42	0.85%																	155	5.0		
P-20A	-	S-20	570.83	570.74	0.50%																	18	50.0		
** P-21	S-21	S-19	569.46	569.42	0.50%																	8	5.8		
** P-21A	S-21A	S-21	571.68	571.63	0.50%																	10	2.5		
** P-22	S-22	S-21	569.64	569.46	0.50%																	35	1.9		
** P-23	S-23	S-21	570.14	569.46	0.85%																	80	9.6		
** P-24	S-24	S-20	570.79	570.74	0.50%																	10	22.1		
** P-25	S-25	S-24	571.47	570.79	0.85%																	80	3.0		
<b>SUBTOTALS</b>						<b>291</b>	<b>107</b>	<b>179</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70</b>	<b>215</b>	<b>186.1</b>	<b>32.7</b>	

**NOTES:**

- ADDITIONAL TRENCH BACKFILL QUANTITY PROVIDED ON THE DRAINAGE AND UTILITY SCHEDULE FOR STORM SEWER REMOVAL.
- SEE SHEET NO. 31 FOR ADDITIONAL PROPOSED PIPE QUANTITIES.
- CONTROLLED LOW-STRENGTH MATERIAL (CLSM) SHALL BE USED FOR BACKFILLING STORM SEWERS RUNNING ADJACENT TO RETAINING WALLS 5 (SN 016-1724) AND 6 (SN 016-1725) AS IDENTIFIED IN THE SCHEDULE TO REDUCE THE TIME THAT THE TRENCH TO INSTALL THE PIPE IS OPEN. NO OPEN EXCAVATION CAN REMAIN FOR THESE SEWER TRENCHES MORE THAN 24 HOURS.
- WHERE THE PROPOSED DRAINAGE PIPE IS NOTED WITH DOUBLE ASTERISK (\*\*), THE CONTRACTOR SHALL INSTALL THE PIPE PRIOR TO CONSTRUCTION OF RETAINING WALL 7 (SN 016-1726) AND BARRIER WALLS WEST OF THE MORGAN STREET BRIDGE. THE TYPE OF STORM SEWER PIPE USED IS BASED ON THE ANTICIPATED AVERAGE FILL HEIGHT PRIOR TO WALL COMPLETION.

FILE PATH = p:\61779-PMINT\pacom\line\local\AECOM\_D902\_M\Documents\01\_Americas\T\engp\station\60269438\_Circle\Phase\_11\000\_CAD\006\_Roadway\Sheets\60X61\_Contract\0160X61-shr-Drain-Schedule-04



D160X61-shr-Drain-Schedule-04	DESIGNED - AFC	REVISED -
USER NAME = ChiuA	DRAWN - AFC	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - EY	REVISED -
PLOT DATE = 12/17/2014	DATE - 12/17/14	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY SCHEDULES**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-07TR	COOK	317	30
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

**PROPOSED DRAINAGE PIPE SCHEDULE (IDOT)**

FILE PATH = p:\61749-P\INT.dwg\AECOM\01\_Americas\T\eng\station\60269338 Circle\Phase\_1\1000\_CAD\006\_Roadway\Sheets\60X61\_Contract\0160X61-sh-Drain-Schedule-05

PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	UPSTREAM INVERT ELEVATION	DOWNSTREAM INVERT ELEVATION	PIPE SLOPE (%)	STORM SEWERS, CLASS A, TYPE 2				STORM SEWERS, CLASS A, TYPE 3				STORM SEWERS, CLASS A, TYPE 4				STORM SEWERS, CLASS A, TYPE 6		TRENCH BACKFILL	CONTROLLED LOW-STRENGTH MATERIAL			
						12"	15"	18"	21"	24"	12"	15"	18"	78"	12"	24"	30"	78"	42"			78"	12 INCH	24 INCH
						FOOT				FOOT				FOOT				FOOT				FOOT		CU YD
**	P-26	S-26	S-MD03	565.55	565.46	0.50%											18				33.6			
**	P-27	S-27	S-26	566.62	565.55	0.50%											214				389.5			
**	P-27A	S-27A	S-27	574.18	574.12	0.50%					11										4.3			
**	P-28	S-28	S-27	567.27	566.62	0.50%											130				216.6			
**	P-29	S-29	S-28	567.70	567.27	0.20%									215						287.5			
**	P-30	S-30	S-29	567.91	567.70	0.21%					100										106.4			
**	P-31	S-31	S-30	568.14	567.91	0.21%					110										102.2			
**	P-32	S-32	S-26	572.59	572.55	0.50%	8														2.8			
**	P-33	S-33	S-32	573.02	572.59	0.50%	85														28.2			
**	P-35	S-35	S-27	573.37	573.12	0.50%					50										17.0			
**	P-36	S-36	S-28	571.81	571.77	0.50%					7										3.0			
**	P-37	S-37	S-36	574.30	573.97	0.50%					65										11.0			
**	P-38	S-38	S-29	570.99	570.95	0.50%					7										2.6			
**	P-38A	-	S-29	571.08	570.95	0.50%		25													8.3			
**	P-39	S-39	S-30	570.95	570.91	0.50%	7														1.8			
**	P-40	S-40	S-31	571.18	571.14	0.50%	7														1.7			
**	P-40A	-	S-31	571.24	571.14	0.50%		19													4.0			
**	P-40B	S-40B	S-31	571.32	571.14	0.50%	35														12.0			
**	P-40C	S-40C	S-40B	573.97	573.57	4.00%	10														4.0			
<b>SUBTOTALS</b>						<b>152</b>	<b>44</b>	<b>0</b>	<b>210</b>	<b>0</b>	<b>140</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>215</b>	<b>362</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1236.5</b>	<b>0.0</b>
**	P-41	S-41	S-MD04	566.98	566.95	0.44%					9										8.2			
**	P-42	S-42	S-41	570.05	569.98	0.50%		14													3.1			
**	P-43	S-43	S-42	570.33	570.05	0.50%	55														10.3			
<b>SUBTOTALS</b>						<b>55</b>	<b>14</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21.6</b>	<b>0.0</b>
	P-44	-	S-44	572.95	572.84	1.08% (EX)							10								13.2			
	P-44A	-	S-44	579.11	579.01	0.63% (EX)	16														3.4			
	P-44B	-	S-44	580.81	580.75	0.61% (EX)	10														0.3			
	P-45	S-45	S-44	574.86	574.78	0.44%					19										21.8			
<b>SUBTOTALS</b>						<b>26</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38.7</b>	<b>0.0</b>
<b>ROUNDED TOTAL</b>						<b>604</b>	<b>396</b>	<b>294</b>	<b>219</b>	<b>93</b>	<b>159</b>	<b>225</b>	<b>10</b>	<b>16</b>	<b>9</b>	<b>215</b>	<b>362</b>	<b>1930</b>	<b>50</b>	<b>158</b>	<b>70</b>	<b>215</b>	<b>6450.1</b>	<b>330.1</b>

**NOTES:**

- ADDITIONAL TRENCH BACKFILL QUANTITY PROVIDED ON THE DRAINAGE AND UTILITY SCHEDULE FOR STORM SEWER REMOVAL.
- SEE SHEET NO. 30 FOR ADDITIONAL PROPOSED PIPE QUANTITIES.
- CONTROLLED LOW-STRENGTH MATERIAL (CLSM) SHALL BE USED FOR BACKFILLING STORM SEWERS RUNNING ADJACENT TO RETAINING WALLS 5 (SN 016-1724) AND 6 (SN 016-1725) AS IDENTIFIED IN THE SCHEDULE TO REDUCE THE TIME THAT THE TRENCH TO INSTALL THE PIPE IS OPEN. NO OPEN EXCAVATION CAN REMAIN FOR THESE SEWER TRENCHES MORE THAN 24 HOURS.
- WHERE THE PROPOSED DRAINAGE PIPE IS NOTED WITH DOUBLE ASTERISK (\*\*), THE CONTRACTOR SHALL INSTALL THE PIPE PRIOR TO CONSTRUCTION OF RETAINING WALL 7 (SN 016-1726) AND BARRIER WALLS WEST OF THE MORGAN STREET BRIDGE. THE TYPE OF STORM SEWER PIPE USED IS BASED ON THE ANTICIPATED AVERAGE FILL HEIGHT PRIOR TO WALL COMPLETION.



D160X61-sh-Drain-Schedule-05  
 USER NAME = ChiuA  
 PLOT SCALE = 100.0000' / 1"  
 PLOT DATE = 12/17/2014

DESIGNED - AFC  
 DRAWN - AFC  
 CHECKED - EY  
 DATE - 12/17/14

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY SCHEDULES**

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

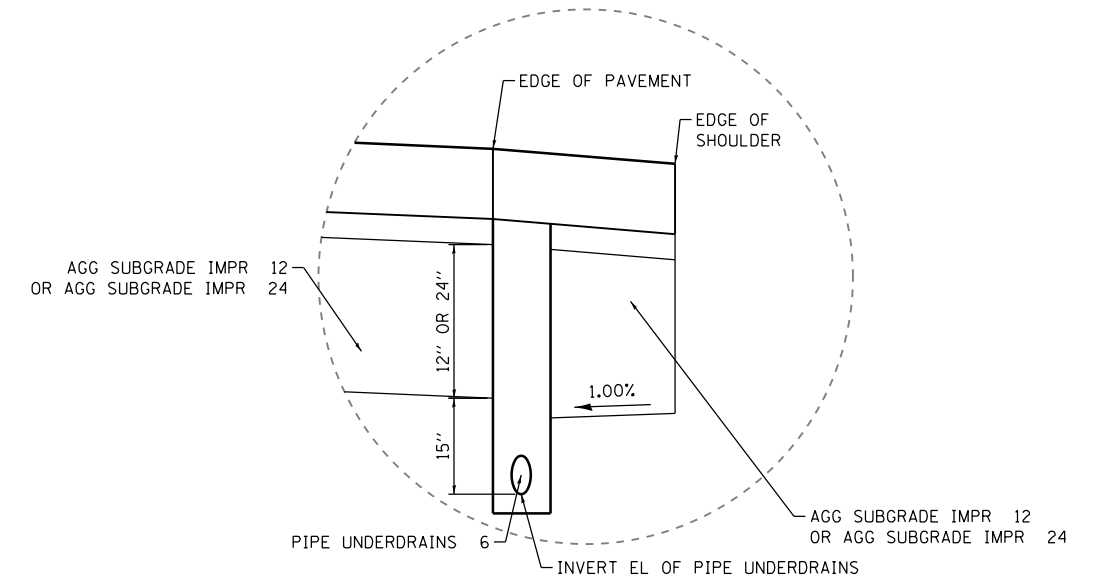
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	31
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

**PROPOSED PIPE UNDERDRAINS SCHEDULE (IDOT)**

PIPE UNDERDRAIN	UPSTREAM			DOWNSTREAM			PIPE UNDERDRAINS	PIPE UNDERDRAINS
	STRUCTURE	STATION	OFFSET	STRUCTURE	STATION	OFFSET	6"	6"
							(SPECIAL)	
							FOOT	FOOT
PU-00	-	1842+02	23.6' RT	S-05	1842+39	29.2' RT	28	10
PU-00A <sup>4</sup>	-	1842+18	31.1' RT	S-05	1842+39	29.2' RT	17	10
PU-01	-	1842+42	26.4' RT	S-04	1842+67	30.4' RT	15	10
PU-01A <sup>2</sup>	-	3642+08	3.5' RT	S-04	3642+18	3.2' RT	-	10
PU-02	-	1843+78	34.6' RT	S-04	1842+67	30.4' RT	36	10
PU-02A <sup>2</sup>	-	3642+28	3.0' RT	S-04	3642+18	3.2' RT	-	10
PU-03	-	1843+78	34.6' RT	S-06 (FST)	1843+19	32.7' RT	50	10
PU-04	-	1842+96	13.0' RT	S-01	1843+82	7.2' RT	78	10
PU-04A <sup>1</sup>	-	1846+00	22.4' RT	S-14	1846+03	21.3' RT	-	5
PU-04B	-	1845+16	13.0' RT	S-01	1843+82	7.2' RT	126	10
PU-04C	-	1845+16	13.0' RT	S-14	1846+03	21.3' RT	78	10
PU-05	-	3643+80	0.5' RT	S-07	3643+32	2.0' RT	38	10
PU-05A <sup>2</sup>	-	3643+42	2.3' RT	S-07	3643+32	2.0' RT	-	10
PU-06	-	3644+77	6.1' RT	S-08	3643+83	2.0' RT	85	10
PU-06A <sup>2</sup>	-	3643+93	2.3' RT	S-08	3643+83	2.0' RT	-	10
PU-07	-	3647+02	7.0' RT	S-10	3644+80	7.4' RT	212	10
PU-07A	-	3646+33	17.0' LT	S-09	3644+80	18.0' LT	144	10
PU-07B <sup>2</sup>	-	3644+90	8.3' RT	S-10	3644+80	7.4' RT	-	10
PU-08	-	3647+37	7.0' RT	S-10A	3647+05	6.0' RT	21	10
PU-09	-	1846+06	13.0' RT	S-13	1846+68	17.0' RT	54	10
PU-09A <sup>1</sup>	-	1846+75	22.1' RT	S-16	1846+77	21.3' RT	-	5
PU-10A <sup>1</sup>	-	1847+52	19.5' RT	S-17 (FST)	1847+52	18.9' RT	-	5
PU-11	-	1848+18	13.0' RT	S-MD02	1848+87	2.66' LT	208	10
PU-11A <sup>5</sup>	-	1848+52	24.8' RT	S-22	1848+62	16.0' RT	11	10
PU-12	-	1848+25	13.0' RT	S-22	1848+62	16.0' RT	28	10
PU-13	-	1848+94	13.0' RT	S-22	1848+62	16.0' RT	22	10
PU-14	-	1849+73	13.0' RT	S-21 (FST)	1848+97	16.0' RT	67	10
PU-15	-	1850+50	13.0' RT	S-23	1849+76	16.0' RT	64	10
PU-16	-	1851+33	13.0' RT	S-24	1850+56	16.0' RT	67	10
PU-17	-	1852+10	13.0' RT	S-25	1851+36	16.0' RT	65	10
PU-18	-	1852+97	13.0' RT	S-32	1852+15	16.0' RT	72	10
PU-18A	-	1854+01	13.0' RT	S-33	1853+00	18.7' RT	91	10
PU-18B	-	1854+01	13.0' RT	S-27	1854+30	15.0' RT	19	10
PU-19	-	1854+36	13.0' RT	S-35	1854+79	22.0' RT	36	10
PU-19A <sup>3</sup>	-	1854+79	24.6' RT	S-35	1854+79	22.0' RT	-	5
PU-20	-	1854+74	13.0' RT	S-36 (FST)	1855+54	22.0' RT	72	10
PU-20A <sup>3</sup>	-	1855+54	24.6' RT	S-36 (FST)	1855+54	22.0' RT	-	5
PU-20B <sup>3</sup>	-	1856+19	25.6' RT	S-37 (FST)	1856+19	21.0' RT	-	6
PU-21	-	1855+63	13.0' RT	S-38	1857+69	18.0' RT	199	10
PU-21A <sup>3</sup>	-	1857+69	24.6' RT	S-38	1857+69	18.0' RT	-	9
PU-22	-	1857+78	8.8' RT	S-39	1858+69	16.0' RT	85	10
PU-22A <sup>3</sup>	-	1858+69	24.6' RT	S-39	1858+69	16.0' RT	-	11
PU-23	-	1858+78	6.8' RT	S-40	1859+79	13.8' RT	95	10
PU-23A <sup>3</sup>	-	1859+79	24.6' RT	S-40	1859+79	13.8' RT	-	14
PU-24	-	1859+88	4.6' RT	S-42	1861+58	10.2' RT	164	10
<b>ROUNDED TOTAL</b>							<b>2347</b>	<b>425</b>

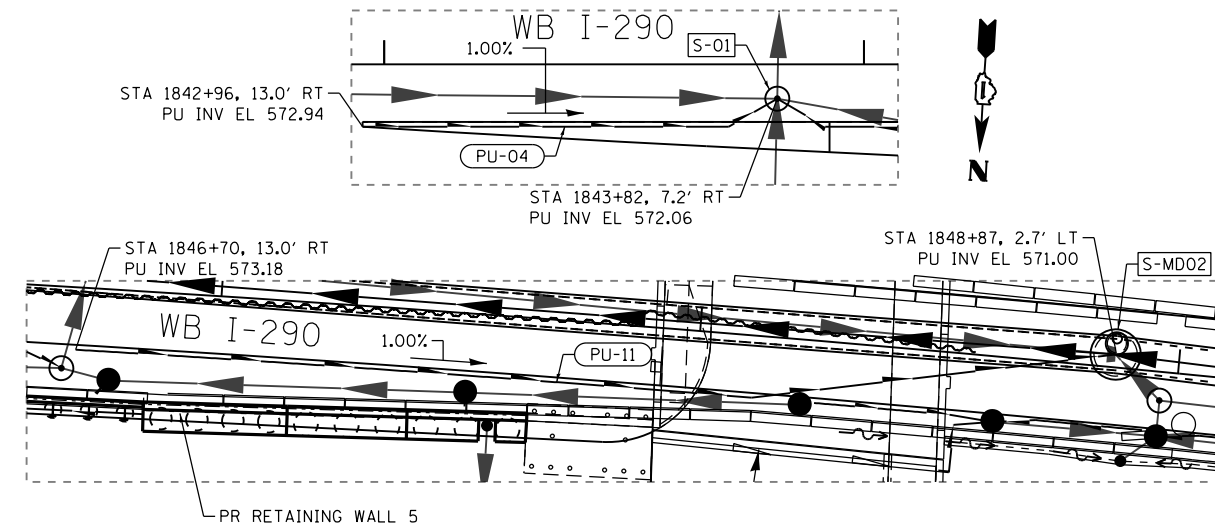
**NOTES:**

- PIPE UNDERDRAIN CONNECTION FROM RETAINING WALL 5 (SN 016-1724). SEE STRUCTURAL PLANS FOR ADDITIONAL INFORMATION.
- PIPE UNDERDRAIN CONNECTION FROM RETAINING WALL 6 (SN 016-1725). SEE STRUCTURAL PLANS FOR ADDITIONAL INFORMATION.
- PIPE UNDERDRAIN CONNECTION FROM RETAINING WALL 7 (SN 016-1726). SEE STRUCTURAL PLANS FOR ADDITIONAL INFORMATION.
- PIPE UNDERDRAIN CONNECTION FROM PEORIA STREET NORTH ABUTMENT (SN 016-1708).
- PIPE UNDERDRAIN CONNECTION FROM SLEEVE PROVIDED ON THE BOTTOM WEST WINGWALL OF MORGAN STREET FOR NORTH ABUTMENT AND WINGWALL (SN 016-1709).



**TYPICAL PIPE UNDERDRAINS DETAIL UNDERNEATH ROADWAY**

EXCEPT AT BELOW LOCATIONS:  
PU-04 AND PU-11



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D160X61-shr-Drain-Schedule-06  
USER NAME = ChiuA  
PLOT SCALE = 100.0000' / in.  
PLOT DATE = 12/5/2014

DESIGNED - AFC  
DRAWN - AFC  
CHECKED - EY  
DATE - 12/05/14

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

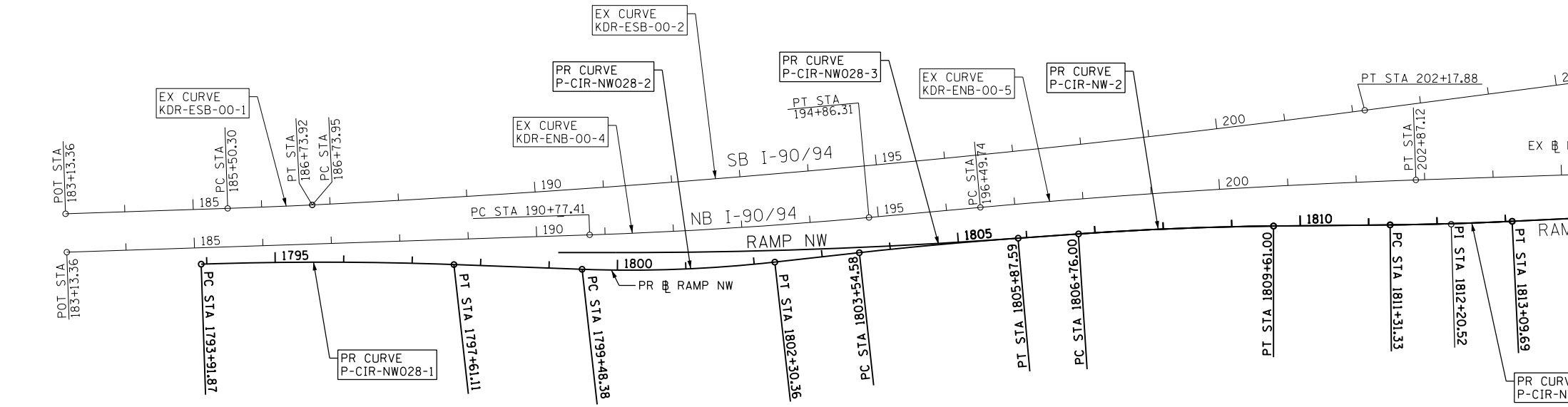
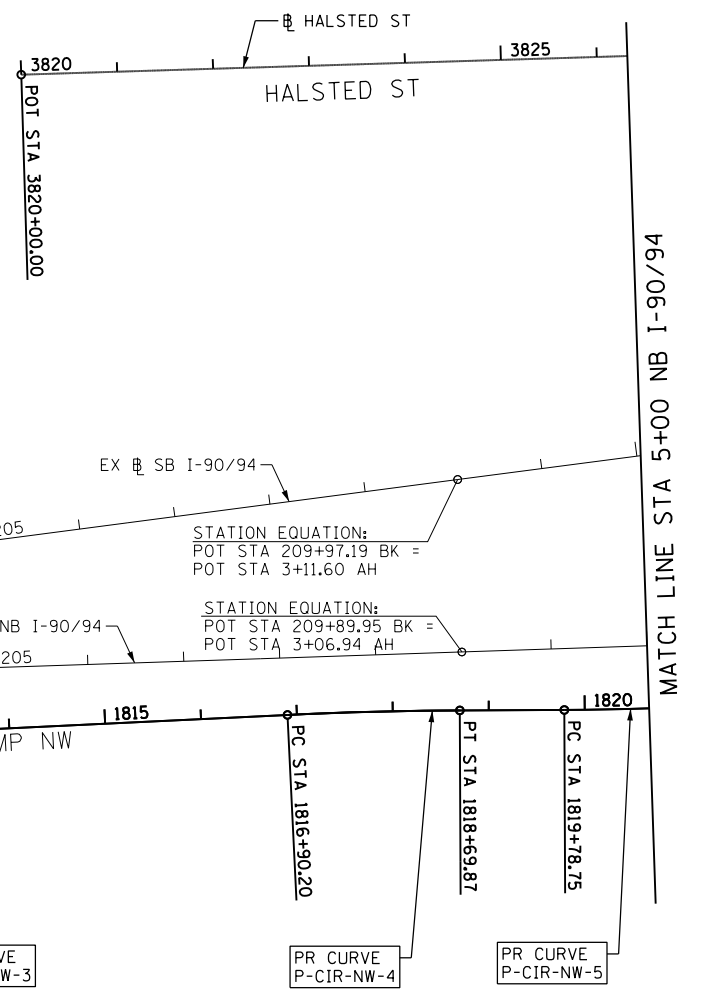
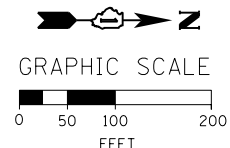
**DRAINAGE AND UTILITY SCHEDULES**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	32
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

PR 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
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

PR 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



EX SB I-90/94 (KENNEDY EXPY)				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		183+13.36	1,894,226.7720	1,171,843.7613
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

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

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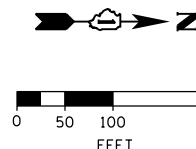
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 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

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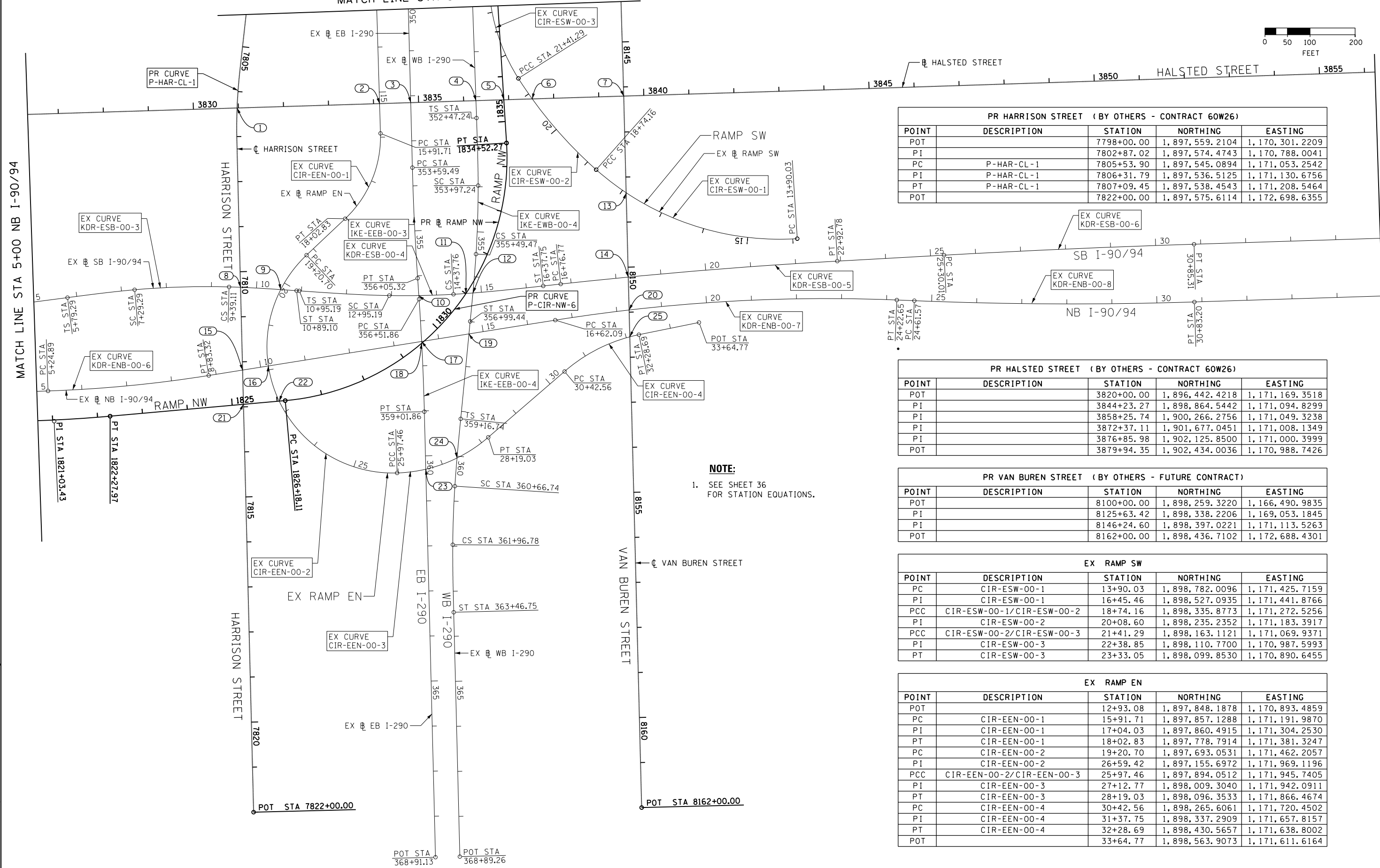
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	33
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 350+00 EX WB I-290



MATCH LINE STA 5+00 NB I-90/94

MATCH LINE STA 35+00 NB I-90/94



PR HARRISON STREET (BY OTHERS - CONTRACT 60W26)

POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		7798+00.00	1,897,559.2104	1,170,301.2209
PI		7802+87.02	1,897,574.4743	1,170,788.0041
PC	P-HAR-CL-1	7805+53.90	1,897,545.0894	1,171,053.2542
PI	P-HAR-CL-1	7806+31.79	1,897,536.5125	1,171,130.6756
PT	P-HAR-CL-1	7807+09.45	1,897,538.4543	1,171,208.5464
POT		7822+00.00	1,897,575.6114	1,172,698.6355

PR HALSTED STREET (BY OTHERS - CONTRACT 60W26)

POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		3820+00.00	1,896,442.4218	1,171,169.3518
PI		3844+23.27	1,898,864.5442	1,171,094.8299
PI		3858+25.74	1,900,266.2756	1,171,049.3238
PI		3872+37.11	1,901,677.0451	1,171,008.1349
PI		3876+85.98	1,902,125.8500	1,171,000.3999
POT		3879+94.35	1,902,434.0036	1,170,988.7426

PR VAN BUREN STREET (BY OTHERS - FUTURE CONTRACT)

POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		8100+00.00	1,898,259.3220	1,166,490.9835
PI		8125+63.42	1,898,338.2206	1,169,053.1845
PI		8146+24.60	1,898,397.0221	1,171,113.5263
POT		8162+00.00	1,898,436.7102	1,172,688.4301

EX RAMP SW

POINT	DESCRIPTION	STATION	NORTHING	EASTING
PC	CIR-ESW-00-1	13+90.03	1,898,782.0096	1,171,425.7159
PI	CIR-ESW-00-1	16+45.46	1,898,527.0935	1,171,441.8766
PCC	CIR-ESW-00-1/CIR-ESW-00-2	18+74.16	1,898,335.8773	1,171,272.5256
PI	CIR-ESW-00-2	20+08.60	1,898,235.2352	1,171,183.3917
PCC	CIR-ESW-00-2/CIR-ESW-00-3	21+41.29	1,898,163.1121	1,171,069.9371
PI	CIR-ESW-00-3	22+38.85	1,898,110.7700	1,170,987.5993
PT	CIR-ESW-00-3	23+33.05	1,898,099.8530	1,170,890.6455

EX RAMP EN

POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		12+93.08	1,897,848.1878	1,170,893.4859
PC	CIR-EEN-00-1	15+91.71	1,897,857.1288	1,171,191.9870
PI	CIR-EEN-00-1	17+04.03	1,897,860.4915	1,171,304.2530
PT	CIR-EEN-00-1	18+02.83	1,897,778.7914	1,171,381.3247
PC	CIR-EEN-00-2	19+20.70	1,897,693.0531	1,171,462.2057
PI	CIR-EEN-00-2	26+59.42	1,897,155.6972	1,171,969.1196
PCC	CIR-EEN-00-2/CIR-EEN-00-3	25+97.46	1,897,894.0512	1,171,945.7405
PI	CIR-EEN-00-3	27+12.77	1,898,009.3040	1,171,942.0911
PT	CIR-EEN-00-3	28+19.03	1,898,096.3533	1,171,866.4674
PC	CIR-EEN-00-4	30+42.56	1,898,265.6061	1,171,720.4502
PI	CIR-EEN-00-4	31+37.75	1,898,337.2909	1,171,657.8157
PT	CIR-EEN-00-4	32+28.69	1,898,430.5657	1,171,638.8002
POT		33+64.77	1,898,563.9073	1,171,611.6164

**NOTE:**  
1. SEE SHEET 36 FOR STATION EQUATIONS.

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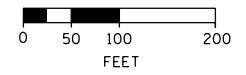
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 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

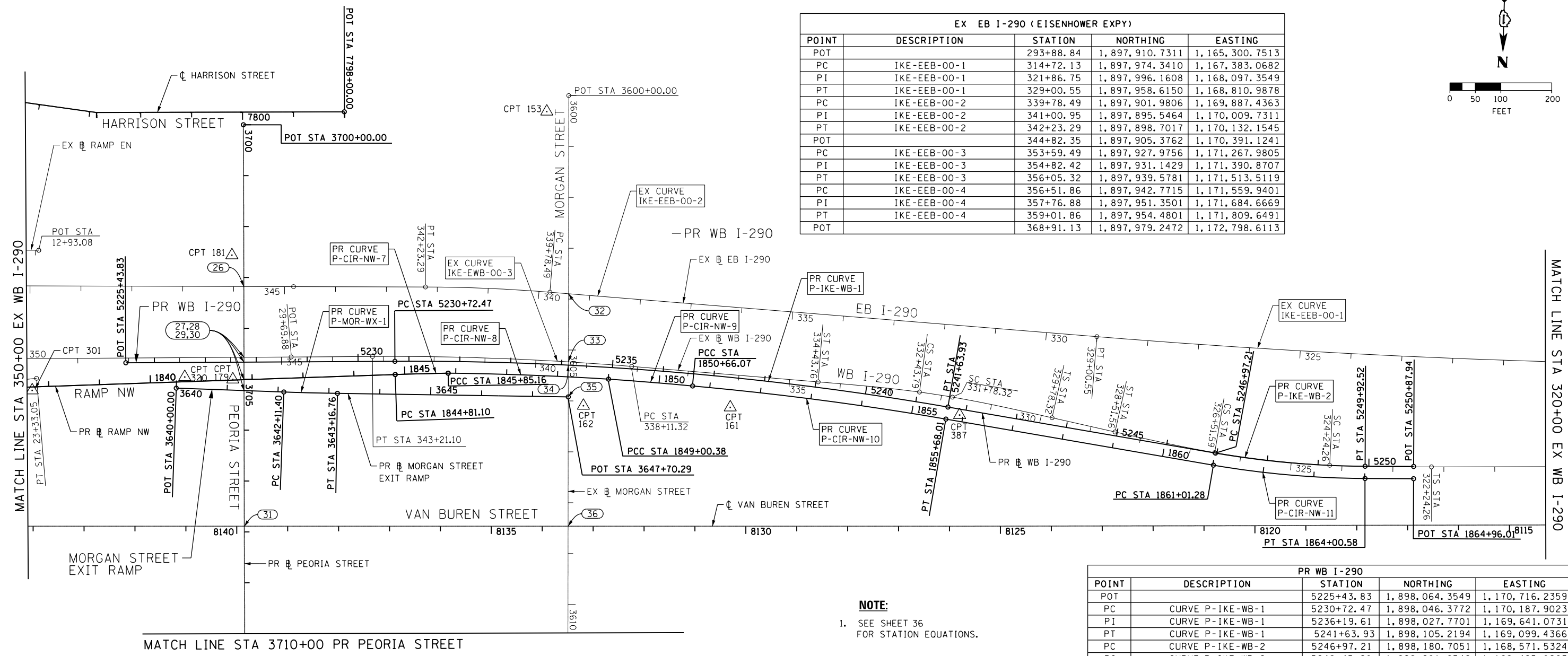
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	34
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				





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



**NOTE:**  
1. SEE SHEET 36 FOR STATION EQUATIONS.

EX WB I-290 (EISENHOWER EXPY)				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		293+90.95	1,898,109.2305	1,165,314.6967
TS	IKE-EWB-00-1B	322+24.26	1,898,195.6075	1,168,146.6931
PIS	IKE-EWB-00-1B	323+57.62	1,898,199.6729	1,168,279.9836
SC	IKE-EWB-00-1	324+24.26	1,898,198.2148	1,168,346.6517
PI	IKE-EWB-00-1	325+38.06	1,898,195.7265	1,168,460.4198
CS	IKE-EWB-00-1	326+51.59	1,898,179.7466	1,168,573.0875
PIS	IKE-EWB-00-1A	327+18.26	1,898,170.3839	1,168,639.1010
ST	IKE-EWB-00-1A	328+51.56	1,898,144.7784	1,168,769.9517
TS	IKE-EWB-00-2B	329+78.32	1,898,120.4341	1,168,894.3575
PIS	IKE-EWB-00-2B	331+11.67	1,898,094.8247	1,169,025.2278
SC	IKE-EWB-00-2	331+78.32	1,898,085.4611	1,169,091.2512
PI	IKE-EWB-00-2	332+11.06	1,898,080.8638	1,169,123.6666
CS	IKE-EWB-00-2	332+43.79	1,898,077.3803	1,169,156.2204
PIS	IKE-EWB-00-2A	333+10.47	1,898,070.2861	1,169,222.5160
ST	IKE-EWB-00-2A	334+43.76	1,898,063.0562	1,169,355.6523
PC	IKE-EWB-00-3	338+11.32	1,898,043.1252	1,169,722.6716
PI	IKE-EWB-00-3	340+66.38	1,898,029.2947	1,169,977.3536
PT	IKE-EWB-00-3	343+21.10	1,898,038.1489	1,170,232.2572
TS	IKE-EWB-00-4B	352+47.24	1,898,070.2993	1,171,157.8387

EX WB I-290 (EISENHOWER EXPY)				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
PIS	IKE-EWB-00-4B	353+47.25	1,898,073.7709	1,171,257.7841
SC	IKE-EWB-00-4	353+97.24	1,898,073.8709	1,171,307.7891
PI	IKE-EWB-00-4	354+73.38	1,898,074.0231	1,171,383.9319
CS	IKE-EWB-00-4	355+49.47	1,898,069.1215	1,171,459.9169
PIS	IKE-EWB-00-4A	355+99.47	1,898,065.9031	1,171,509.8083
ST	IKE-EWB-00-4A	356+99.44	1,898,056.2063	1,171,609.3226
TS	IKE-EWB-00-5B	359+16.74	1,898,035.1324	1,171,825.5961
PIS	IKE-EWB-00-5B	360+16.74	1,898,025.4337	1,171,925.1303
SC	IKE-EWB-00-5	360+66.74	1,898,022.2149	1,171,975.0317
PI	IKE-EWB-00-5	361+31.77	1,898,018.0288	1,172,039.9323
CS	IKE-EWB-00-5	361+96.78	1,898,017.5295	1,172,104.9659
PIS	IKE-EWB-00-5A	362+46.77	1,898,017.1456	1,172,154.9595
ST	IKE-EWB-00-5A	363+46.75	1,898,019.6488	1,172,254.9138
POT		368+89.26	1,898,033.2310	1,172,797.2593

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

EX MORGAN STREET				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		3600+00.00	1,897,514.6666	1,169,861.4881
POT		3618+77.63	1,899,391.6120	1,169,810.8410

PR PEORIA STREET (BY OTHERS - CONTRACT 60W29)				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		3700+00.00	1,897,590.2790	1,170,498.7199
POT		3717+00.00	1,899,289.4618	1,170,446.0167

PR MORGAN STREET EXIT RAMP				
POINT	DESCRIPTION	STATION	NORTHING	EASTING
POT		3640+00.00	1,898,111.3264	1,170,615.7628
PC	CURVE P-MOR-WX-1	3642+11.40	1,898,112.8227	1,170,404.3702
PI	CURVE P-MOR-WX-1	3642+64.08	1,898,113.1956	1,170,351.6884
PT	CURVE P-MOR-WX-1	3643+16.76	1,898,112.5072	1,170,299.0097
POT		3647+70.29	1,898,106.5807	1,169,845.5160



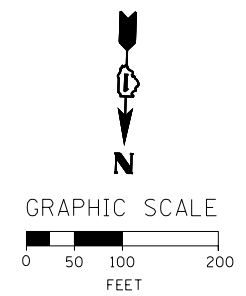
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

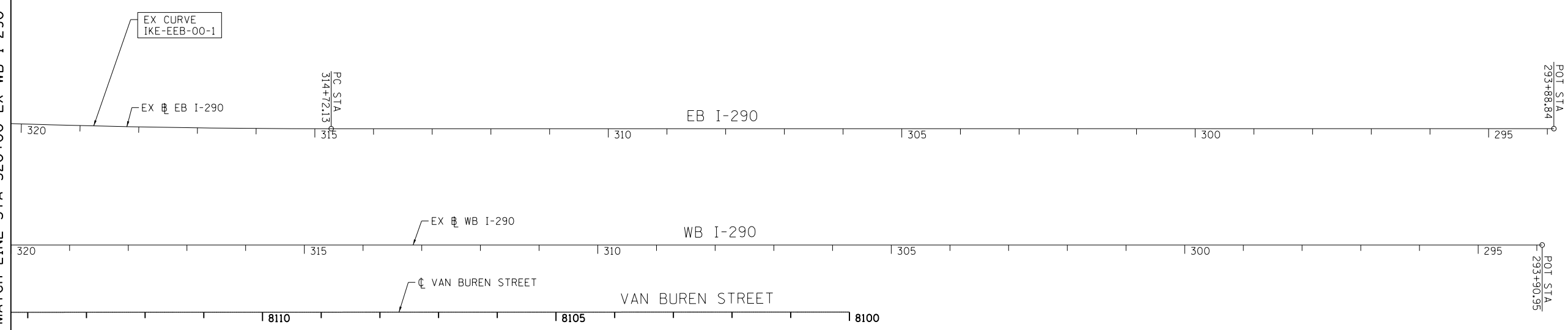
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SCALE: 1" = 100' SHEET 3 OF 8 SHEETS STA. TO STA.

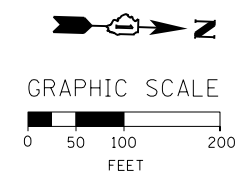
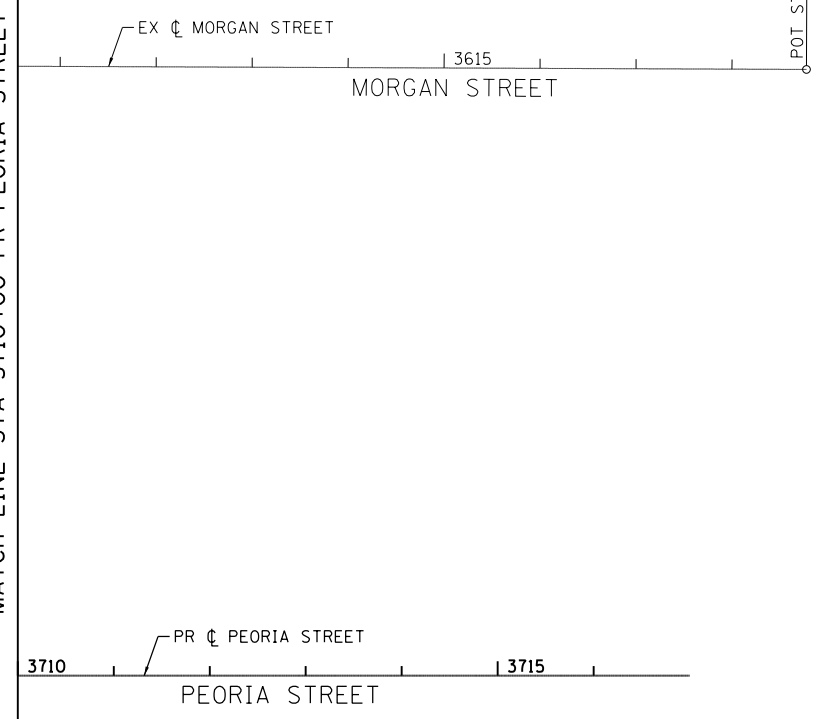
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	35
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 320+00 EX WB I-290



MATCH LINE STA 3710+00 PR PEORIA STREET



**STATION EQUATIONS**

POINT	BASELINE	STATION	BASELINE	STATION
①	PR HALSTED ST	3830+97.05	PR HARRISON ST	7806+36.50
②	PR HALSTED ST	3834+13.40	EX RAMP EN	15+25.58
③	PR HALSTED ST	3834+82.54	EX EB I-290	352+15.22
④	PR HALSTED ST	3836+27.31	EX WB I-290	352+08.69
⑤	PR HALSTED ST	3836+89.19	PR RAMP NW	1835+48.45
⑥	PR HALSTED ST	3837+52.33	EX RAMP SW	1835+48.45
⑦	PR HALSTED ST	3839+55.40	PR VAN BUREN ST	8146+20.29
⑧	PR HARRISON ST	7810+34.62	EX SB I-90/94	9+64.55
⑨	EX RAMP EN	20+16.73	EX SB I-90/94	10+53.89
⑩	EX EB I-290	356+43.88	EX SB I-90/94	13+60.76
⑪	PR RAMP NW	1831+00.20	EX SB I-90/94	14+65.49
⑫	EX WB I-290	356+36.03	EX SB I-90/94	14+80.92
⑬	PR VAN BUREN ST	8148+34.86	EX RAMP SW	17+90.22
⑭	PR VAN BUREN ST	8150+22.13	EX SB I-90/94	18+27.54
⑮	PR HARRISON ST	7812+18.39	EX NB I-90/94	9+59.47
⑯	EX RAMP EN	21+91.24	EX NB I-90/94	10+17.46
⑰	EX EB I-290	357+45.94	EX NB I-90/94	13+61.83
⑱	PR RAMP NW	1829+51.94	EX EB I-290	357+49.92
⑲	EX WB I-290	357+27.32	EX NB I-90/94	14+68.21
⑳	PR VAN BUREN ST	8150+95.13	EX NB I-90/94	18+27.57
㉑	PR HARRISON ST	7812+94.46	PR RAMP NW	1825+24.99
㉒	PR RAMP NW	1826+04.68	EX RAMP EN	22+73.26
㉓	EX EB I-290	360+29.62	EX RAMP EN	26+61.74
㉔	EX WB I-290	360+04.08	EX RAMP EN	27+35.51
㉕	PR VAN BUREN ST	8151+54.76	EX RAMP EN	32+07.95
㉖	PR PEORIA ST	3703+17.77	EX EB I-290	345+80.12
㉗	PR PEORIA ST	3704+56.85	EX WB I-290	345+73.55
㉘	PR PEORIA ST	3704+66.41	PR WB I-290	5227+75.94
㉙	PR PEORIA ST	3705+00.94	PR RAMP NW	1841+83.91
⑳	PR PEORIA ST	3705+22.24	PR MORGAN ST EXIT RAMP	3641+33.24
㉑	PR PEORIA ST	3707+88.88	PR VAN BUREN ST	8139+85.07
㉒	EX MORGAN ST	3603+89.37	EX EB I-290	339+41.99
㉓	EX MORGAN ST	3605+23.24	EX WB I-290	339+36.15
㉔	EX MORGAN ST	3605+29.68	PR WB I-290	5234+13.22
㉕	EX MORGAN ST	3605+92.13	PR MORGAN ST EXIT RAMP	3647+70.29
㉖	EX MORGAN ST	3608+46.28	PR VAN BUREN ST	8133+49.21

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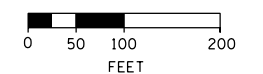
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DRAWN - OPS	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARKS**

SCALE: 1"=100'    SHEET 4 OF 8 SHEETS    STA.                      TO STA.

F.A.I. R.E. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 36
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				



POT STA  
9004+62.94

78" STORM  
SEWER

PR 78" STORM SEWER

POT STA  
9002+32.48

9000

POT STA  
9000+74.70

POT STA  
9000+00.00

HALSTED ST

HALSTED STREET

POT STA 3879+94.35

3860

3865

3870

3875

MATCH LINE STA 35+00 NB I-90/94

35

SB I-90/94

40

SB I-90/94

POT STA  
45+34.00

35

NB I-90/94

40

NB I-90/94

POT STA  
45+35.14

BENCHMARKS

MONUMENT	ELEVATION	DESCRIPTION
BM 1100	582.6782	SET "X" @ CL OF EAST PIER @ CL OF VAN BUREN ST.
BM 1140	579.3332	SET "X" ON WESTERLY JAYWALL OF I-90 @ CL OF VAN BUREN ST.
BM 1141	575.1320	SET "X" ON WESTERLY JAYWALL OF I-90 @ CL OF OUTBOUND I-290 OVERPASS.
BM 1142	575.9003	SET "X" ON WESTERLY JAYWALL OF I-90 @ CL OF INBOUND I-290 OVERPASS.
BM 1362	593.07	CUT SQUARE ON NORTHWEST CORNER OF SIGN FOUNDATION AT NORTH SIDE OF HARRISON ST, APPROX. 80' WEST OF WEST LINE OF MORGAN ST.
BM 1363	593.3963	CUT "□" ON NW SIDE OF L.P. BASE SOUTH SIDE OF HARRISON ST. 4TH L.P. EAST OF MORGAN ST.

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DESIGNED - SDH	REVISED -
DRAWN - OPS	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/17/14	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1" = 100' SHEET 5 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	37
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

**EXISTING CURVE DATA**

**EXISTING SB I-90/94**

EX CURVE KDR-ESB-00-1 PI STA = 186+12.11 Δ = 0° 55' 37.53" (LT) D = 0° 45' 00" R = 7,640.04' T = 61.81' L = 123.62' E = 0.25' PC STA = 185+50.30 PT STA = 186+73.92	EX CURVE KDR-ESB-00-2 PI STA = 194+46.34 Δ = 4° 37' 53.25" (LT) D = 0° 18' 00" R = 19,100.00' T = 772.39' L = 1,543.93' E = 15.61' PC STA = 186+73.95 PT STA = 202+17.88	EX CURVE KDR-ESB-00-3 PI STA = 8+34.32 Δ = 6° 40' 43.51" (RT) D = 3° 10' 59" R = 1,800.01' T = 105.03' L = 209.82' E = 3.06' SC STA = 7+29.29 CS STA = 9+39.11	EX CURVE KDR-ESB-00-4 PI STA = 13+66.51 Δ = 4° 16' 35.81" (LT) D = 2° 59' 59" R = 1,910.09' T = 71.32' L = 142.57' E = 1.33' SC STA = 12+95.19 CS STA = 14+37.76	EX CURVE KDR-ESB-00-5 PI STA = 19+84.85 Δ = 3° 04' 48.00" (RT) D = 0° 30' 00" R = 11,459.27' T = 308.08' L = 616.01' E = 4.14' PC STA = 16+76.77 PT STA = 22+92.78	EX CURVE KDR-ESB-00-6 PI STA = 28+07.67 Δ = 1° 23' 17.77" (RT) D = 0° 15' 00" R = 22,918.30' T = 277.67' L = 555.31' E = 1.68' PC STA = 25+30.01 PT STA = 30+85.31
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**EXISTING NB I-90/94**

EX CURVE KDR-ENB-00-4 PI STA = 192+81.92 Δ = 3° 17' 58.00" (LT) D = 0° 48' 25" R = 7,100.63' T = 204.51' L = 408.90' E = 2.94' PC STA = 190+77.41 PT STA = 194+86.31	EX CURVE KDR-ENB-00-5 PI STA = 199+68.51 Δ = 3° 11' 11.70" (RT) D = 0° 30' 00" R = 11,460.32' T = 318.77' L = 637.38' E = 4.43' PC STA = 196+49.74 PT STA = 202+87.12	EX CURVE KDR-ENB-00-6 PI STA = 7+04.34 Δ = 7° 10' 06.72" (LT) D = 2° 00' 00" R = 2,864.80' T = 179.45' L = 358.43' E = 5.61' PC STA = 5+24.89 PT STA = 8+83.32	EX CURVE KDR-ENB-00-7 PI STA = 20+43.63 Δ = 11° 24' 28.08" (RT) D = 2° 00' 00" R = 3,819.89' T = 381.54' L = 760.55' E = 19.01' PC STA = 16+62.09 PT STA = 24+22.65	EX CURVE KDR-ENB-00-8 PI STA = 27+72.52 Δ = 4° 08' 39.14" (LT) D = 0° 40' 00" R = 8,594.42' T = 310.95' L = 621.63' E = 5.62' PC STA = 24+61.57 PT STA = 30+83.20
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**EXISTING WB I-290**

EX CURVE IKE-EWB-00-1 PI STA = 325+38.06 Δ = 6° 49' 10.37" (RT) D = 3° 00' 00" R = 1,909.89' T = 113.80' L = 227.32' E = 3.39' SC STA = 324+24.26 CS STA = 326+51.59	EX SPIRAL IKE-EWB-00-1B PI STA 323+57.62 Δs = 2° 59' 59.83" Ds = 2° 59' 59.83" T1 = 133.35' T2 = 66.68' Rs = 1,909.89' Ls = 200.00' TS STA = 322+24.26 SC STA = 324+24.26	EX SPIRAL IKE-EWB-00-1A PI STA 327+18.26 Δs = 2° 59' 58.21" Ds = 2° 59' 59.83" T1 = 133.33' T2 = 66.67' Rs = 1,909.89' Ls = 199.97' CS STA = 326+51.59 ST STA = 328+51.56	EX CURVE IKE-EWB-00-2 PI STA = 332+11.06 Δ = 1° 57' 50.97" (LT) D = 3° 00' 00" R = 1,909.89' T = 32.74' L = 65.47' E = 0.28' SC STA = 331+78.32 CS STA = 332+43.79	EX SPIRAL IKE-EWB-00-2B PI STA 331+11.67 Δs = 2° 59' 59.83" Ds = 2° 59' 59.83" T1 = 133.35' T2 = 66.68' Rs = 1,909.89' Ls = 200.00' TS STA = 329+78.32 SC STA = 331+78.32	EX SPIRAL IKE-EWB-00-2A PI STA 333+10.47 Δs = 2° 59' 58.21" Ds = 2° 59' 59.83" T1 = 133.33' T2 = 66.67' Rs = 1,909.89' Ls = 199.97' CS STA = 332+43.79 ST STA = 334+43.76	EX CURVE IKE-EWB-00-3 PI STA = 340+66.38 Δ = 5° 05' 52.00" (LT) D = 1° 00' 00" R = 5,729.58' T = 255.06' L = 509.78' E = 5.67' PC STA = 338+11.32 PT STA = 343+21.10	EX CURVE IKE-EWB-00-4 PI STA = 354+73.38 Δ = 3° 48' 19.63" (RT) D = 2° 29' 59" R = 2,292.01' T = 76.14' L = 152.23' E = 1.26' PC STA = 353+97.24 PT STA = 355+49.47	EX SPIRAL IKE-EWB-00-4B PI STA 353+47.25 Δs = 1° 52' 29.47" Ds = 2° 29' 59.30" T1 = 100.01' T2 = 50.01' Rs = 2,292.01' Ls = 150.00' TS STA = 352+47.24 SC STA = 353+97.24	EX SPIRAL IKE-EWB-00-4A PI STA 355+99.47 Δs = 1° 52' 28.12" Ds = 2° 29' 59.30" T1 = 99.99' T2 = 50.00' Rs = 2,292.01' Ls = 149.97' CS STA = 355+49.47 ST STA = 356+99.44
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**EXISTING WB I-290 CONTINUED**

EX CURVE IKE-EWB-00-5 PI STA = 361+31.77 Δ = 3° 15' 02.33" (LT) D = 2° 29' 59" R = 2,292.01' T = 65.04' L = 130.04' E = 0.92' PC STA = 360+66.74 PT STA = 361+96.78	EX SPIRAL IKE-EWB-00-5B PI STA 360+16.74 Δs = 1° 52' 29.47" Ds = 2° 29' 59.30" T1 = 100.01' T2 = 50.01' Rs = 2,292.01' Ls = 150.00' TS STA = 359+16.74 SC STA = 360+66.74	EX SPIRAL IKE-EWB-00-5A PI STA 362+46.77 Δs = 1° 52' 28.12" Ds = 2° 29' 59.30" T1 = 99.99' T2 = 50.00' Rs = 2,292.01' Ls = 149.97' CS STA = 361+96.78 ST STA = 363+46.75
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**EXISTING EB I-290**

EX CURVE IKE-EEB-00-1 PI STA = 321+86.75 Δ = 4° 45' 41.00" (RT) D = 0° 20' 00" R = 17,188.74' T = 714.62' L = 1,428.42' E = 14.85' PC STA = 314+72.13 PT STA = 329+00.55	EX CURVE IKE-EEB-00-2 PI STA = 341+00.95 Δ = 4° 29' 17.00" (LT) D = 1° 50' 00" R = 3,125.22' T = 122.46' L = 244.80' E = 2.40' PC STA = 339+78.49 PT STA = 342+23.29	EX CURVE IKE-EEB-00-3 PI STA = 354+82.42 Δ = 2° 27' 29.56" (LT) D = 1° 00' 00" R = 5,729.65' T = 122.93' L = 245.82' E = 1.32' PC STA = 353+59.49 PT STA = 356+05.32	EX CURVE IKE-EEB-00-4 PI STA = 357+76.88 Δ = 2° 30' 00.00" (RT) D = 1° 00' 00" R = 5,729.65' T = 125.02' L = 250.00' E = 1.36' PC STA = 356+51.86 PT STA = 359+01.86
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**EXISTING RAMP SW**

EX CURVE CIR-ESW-00-1 PI STA = 16+45.46 Δ = 45° 09' 26.06" (RT) D = 9° 19' 39" R = 614.27' T = 255.43' L = 484.13' E = 50.99' PC STA = 13+90.03 PT STA = 18+74.16	EX CURVE CIR-ESW-00-2 PI STA = 20+08.60 Δ = 16° 01' 33.99" (RT) D = 5° 59' 58" R = 955.00' T = 134.44' L = 267.12' E = 9.42' PCC STA = 18+74.16 PCC STA = 21+41.29	EX CURVE CIR-ESW-00-3 PI STA = 22+38.85 Δ = 26° 01' 10.91" (RT) D = 13° 34' 06" R = 422.28' T = 97.57' L = 191.77' E = 11.12' PC STA = 21+41.29 PT STA = 23+33.05
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**EXISTING RAMP NW**

EX CURVE CIR-ENW-00-1 PI STA = 10+35.96 Δ = 23° 06' 08.80" (RT) D = 23° 00' 00" R = 249.11' T = 50.91' L = 100.45' E = 5.15' PC STA = 9+85.04 PT STA = 10+85.49	EX CURVE CIR-ENW-00-2 PI STA = 23+51.29 Δ = 147° 31' 01.68" (LT) D = 17° 41' 01" R = 324.00' T = 1,112.23' L = 834.20' E = 834.46' PC STA = 12+39.06 PT STA = 20+73.26	EX CURVE CIR-ENW-00-3 PI STA = 22+66.58 Δ = 37° 04' 00.99" (RT) D = 19° 53' 40" R = 288.00' T = 96.55' L = 186.32' E = 15.75' PC STA = 21+70.03 PT STA = 23+56.35
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARKS**

SCALE: NONE SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	38
CONTRACT NO. 60X61			ILLINOIS FED. AID PROJECT	

**PROPOSED CURVE DATA**

**PROPOSED RAMP NW**

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

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

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

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

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

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

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

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

**PROPOSED RAMP NW CONTINUED**

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

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

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

PR CURVE P-CIR-NW-10  
 PI STA. = 1853+17.18  
 $\Delta = 4^\circ 39' 23.66''$  (RT)  
 D = 0° 55' 40"  
 R = 6,176.00'  
 T = 251.11'  
 L = 501.94'  
 E = 5.10'  
 e = N.C.  
 T.R. = N/A  
 S.E. RUN = N/A  
 P.C. STA = 1850+66.07  
 P.T. STA = 1855+68.01

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

**PROPOSED WB I-290**

PR CURVE P-IKE-WB-1  
 PI STA. = 5236+19.61  
 $\Delta = 10^\circ 05' 11.39''$  (RT)  
 D = 0° 55' 27"  
 R = 6,200.00'  
 T = 547.15'  
 L = 1,091.46'  
 E = 24.10'  
 e = 2.00%  
 T.R. = 96' AND 72'  
 S.E. RUN ATTAINMENT = 96', 24' AND 50'  
 S.E. RUN REMOVAL = 96' AND 24'  
 P.C. STA = 5230+72.47  
 P.T. STA = 5241+63.93

PR CURVE P-IKE-WB-2  
 PI STA. = 5248+45.20  
 $\Delta = 9^\circ 30' 20.66''$  (LT)  
 D = 3° 13' 08"  
 R = 1,780.00'  
 T = 148.00'  
 L = 295.31'  
 E = 6.14'  
 e = 3.30% MEET EXISTING  
 T.R. = 96'  
 S.E. RUN = 159'  
 P.C. STA = 5246+97.21  
 P.T. STA = 5249+92.52

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 PLOT SCALE = 100.0000' / 1"  
 PLOT DATE = 10/17/2014

DESIGNED - SDH  
 DRAWN - OPS  
 CHECKED - DBM  
 DATE - 10/17/14

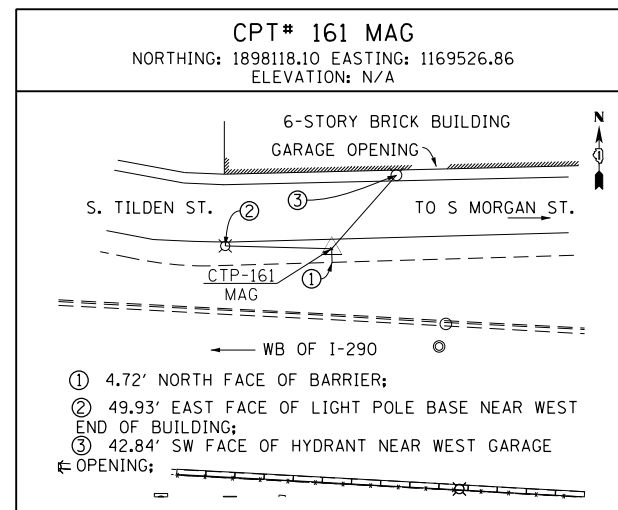
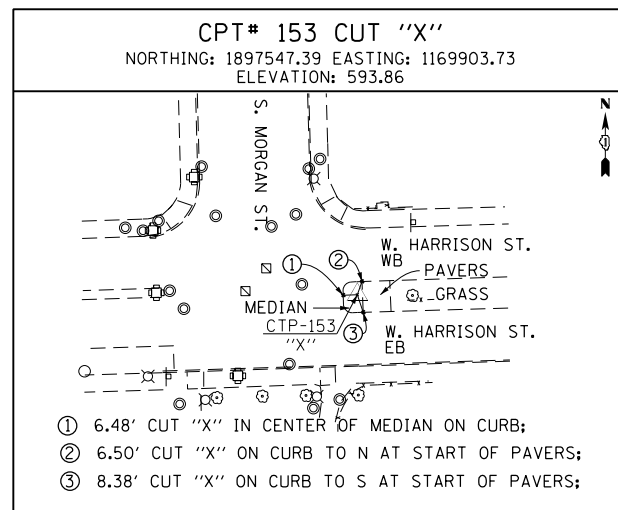
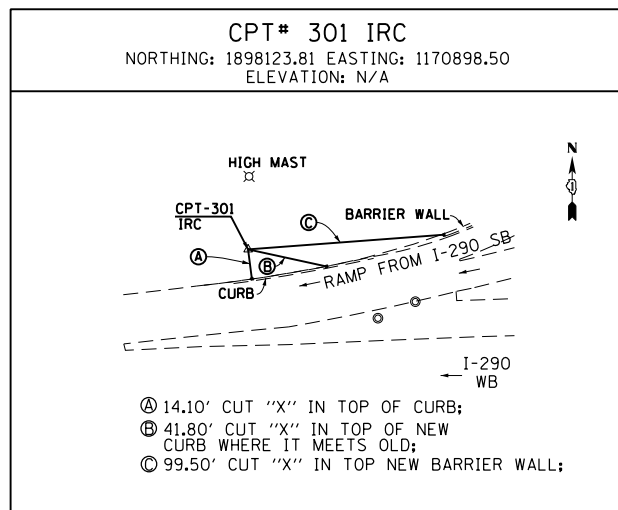
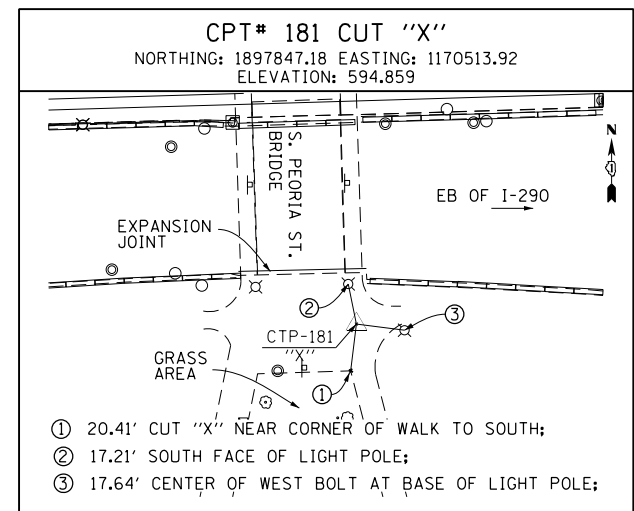
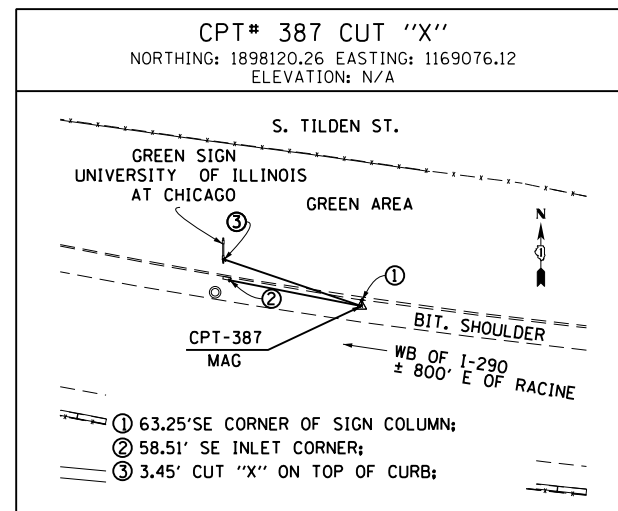
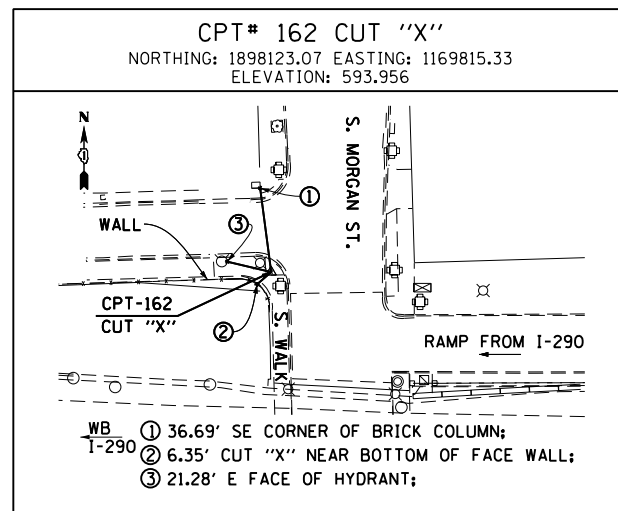
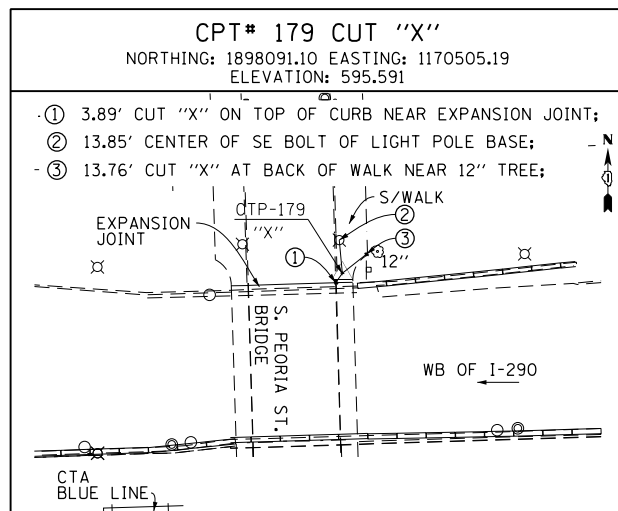
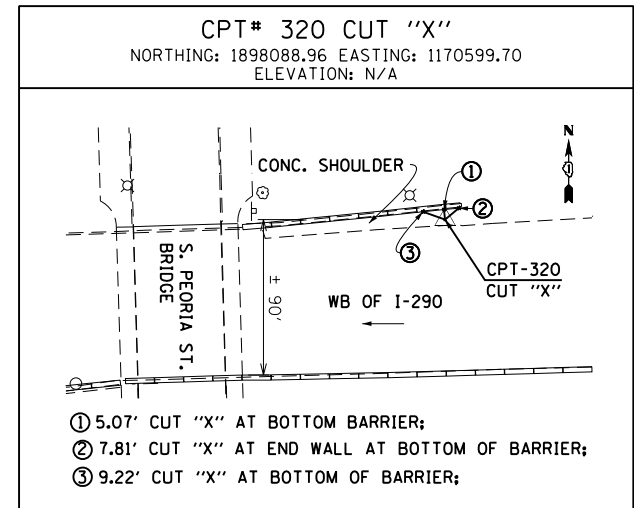
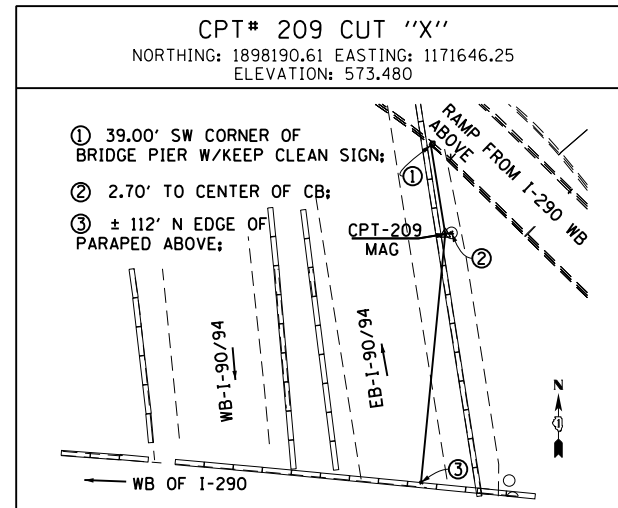
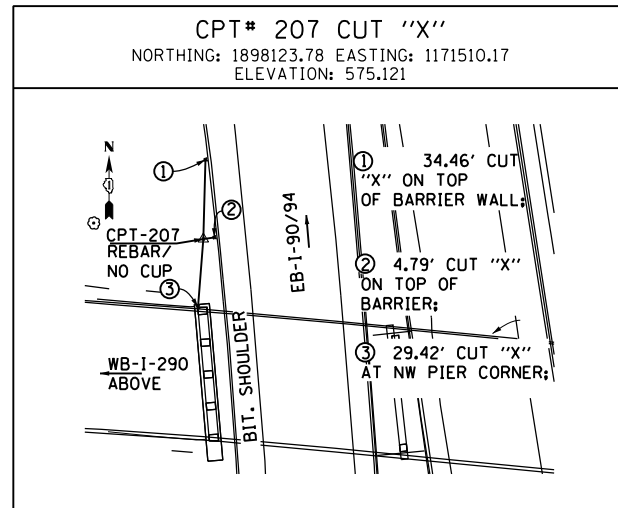
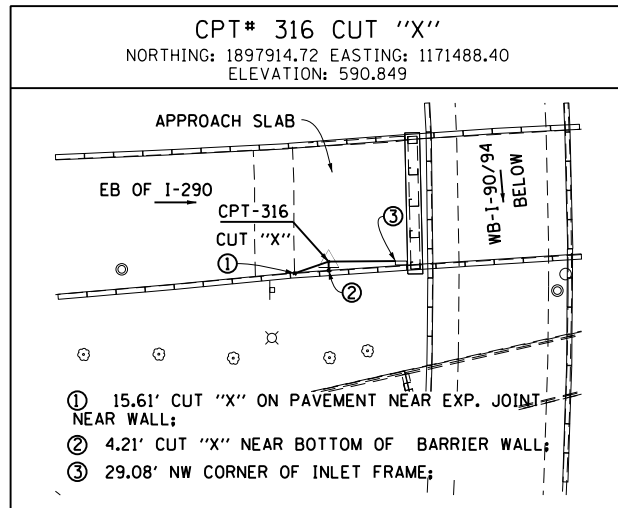
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARKS**

SCALE: NONE SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	39
CONTRACT NO. 60X61			ILLINOIS FED. AID PROJECT	



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DESIGNED - SDH  
 DRAWN - OPS  
 CHECKED - DBM  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

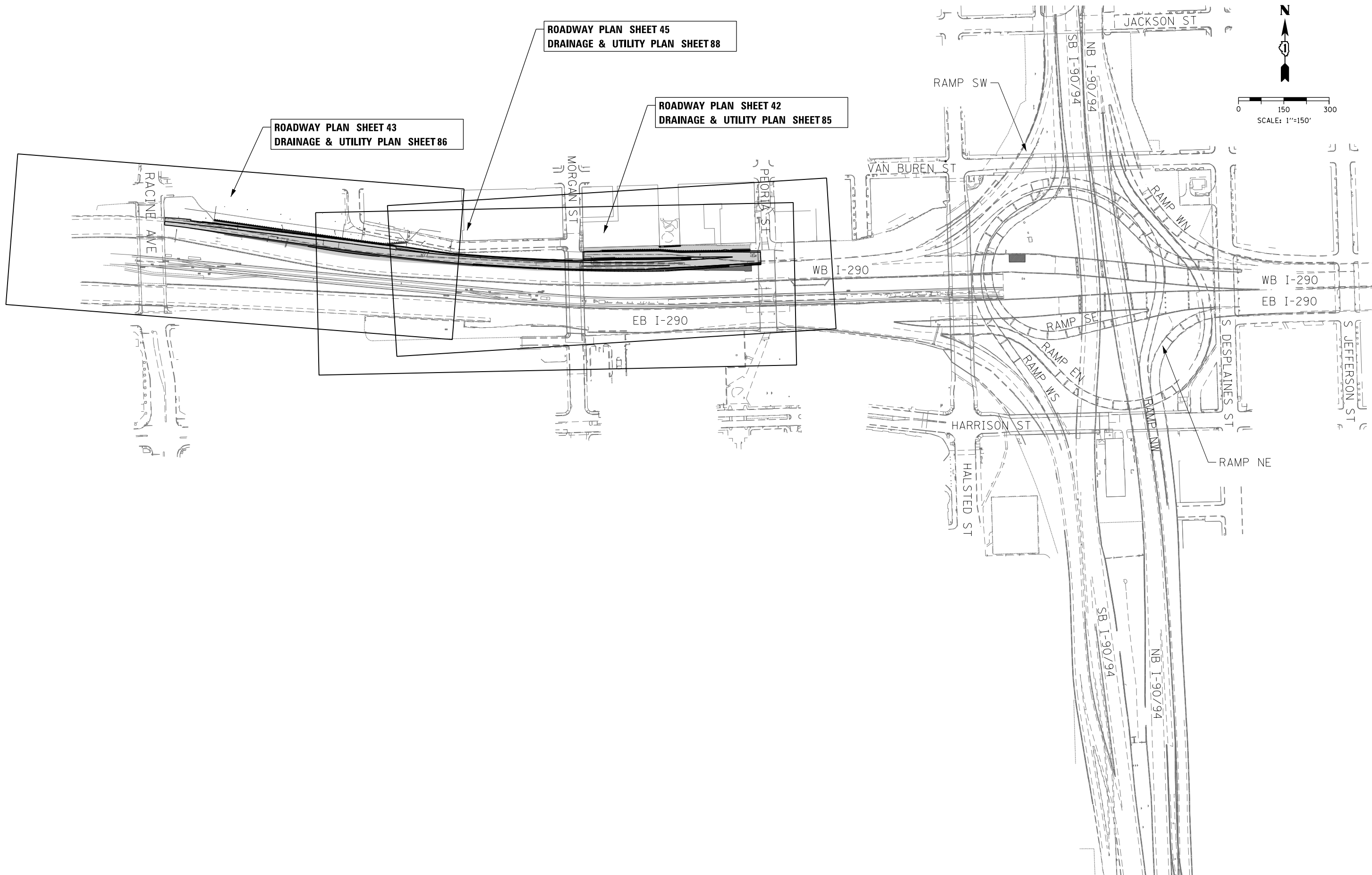
ALIGNMENT, TIES AND BENCHMARKS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	40
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				



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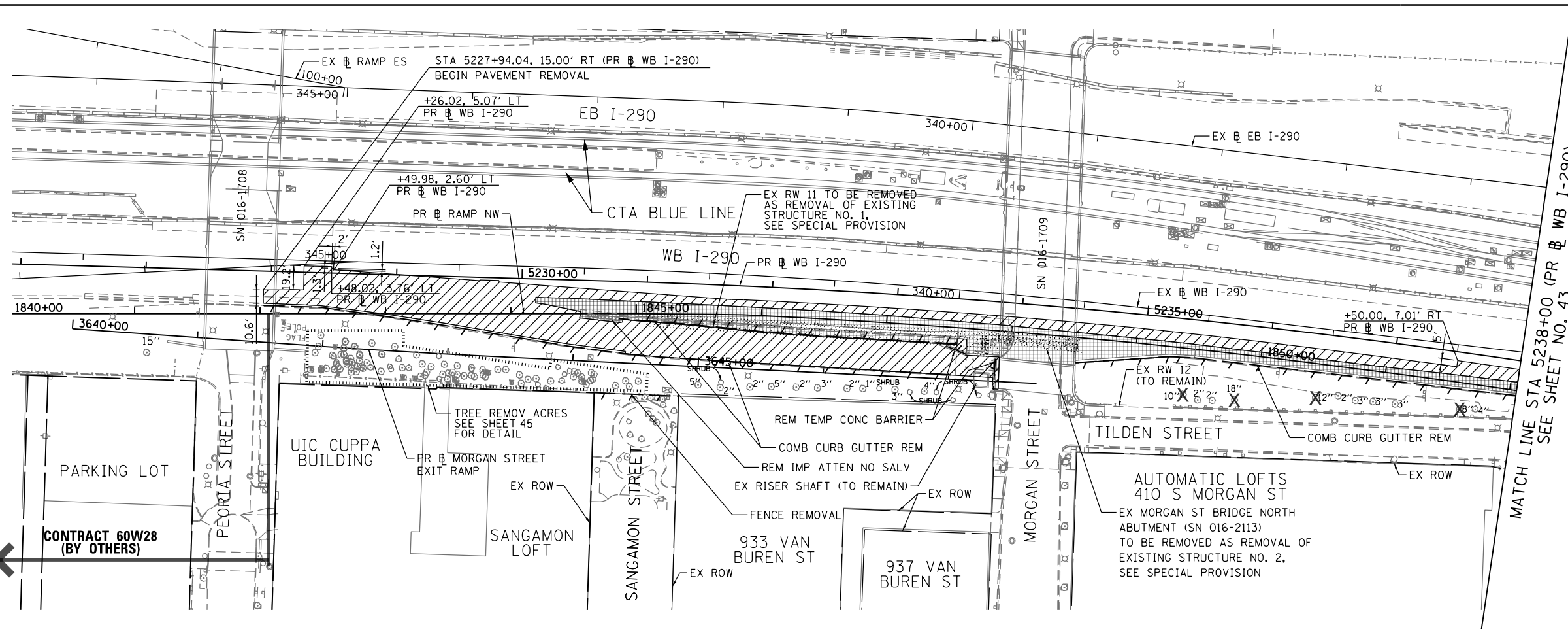
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ROADWAY KEY PLAN

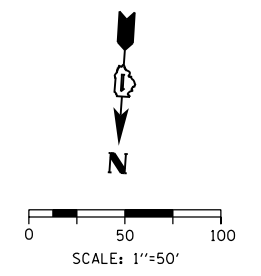
SCALE: 1"=150' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

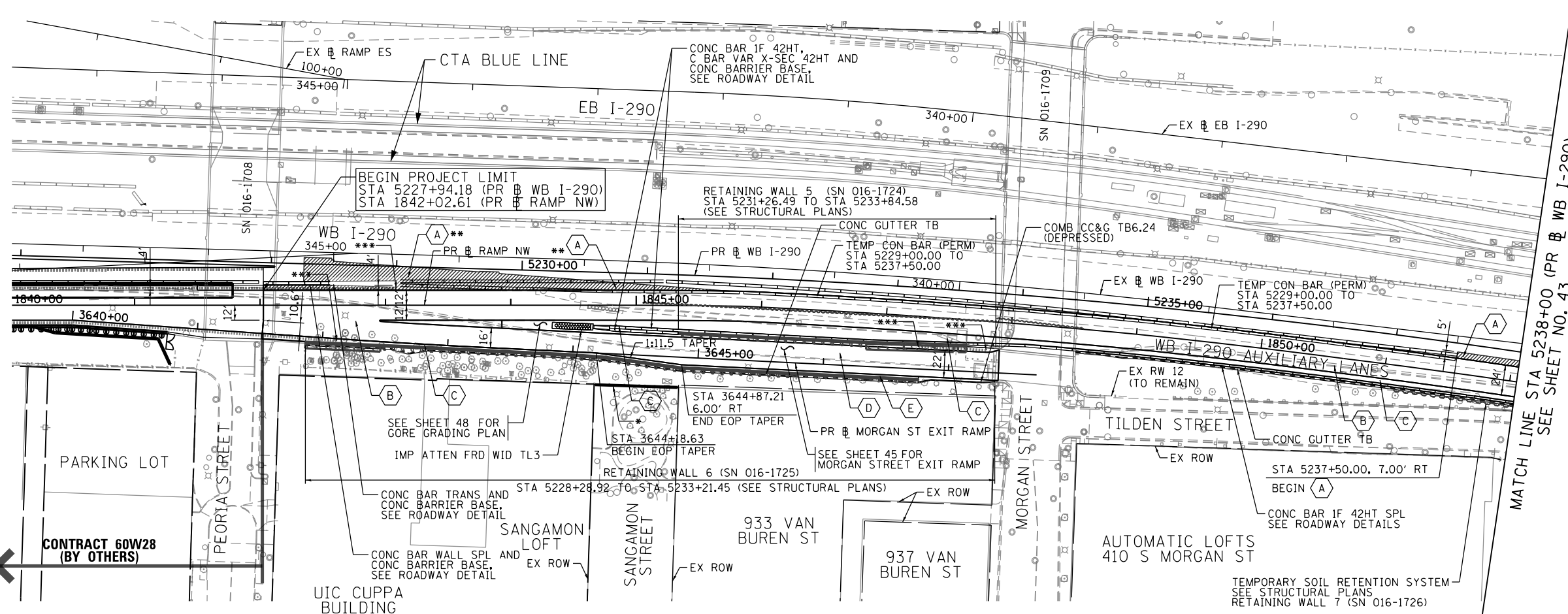
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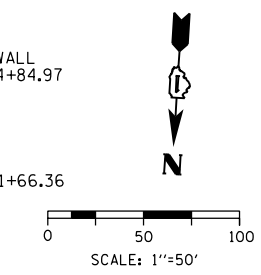
- REMOVAL LEGEND**
- PAVEMENT REMOVAL
  - PAVED SHOULDER REMOVAL
  - APPROACH SLAB REMOVAL
  - LINEAR REMOVAL
  - TREE REMOVAL, ACRES
  - TREE REMOVAL



**EXISTING**



- PROPOSED ROADWAY LEGEND**
- TEMPORARY PAVEMENT SUB GRAN MAT B 4
  - PCC PVT 11 JOINTED STAB SUBBASE HMA 4 AGG SUBGRADE IMPR 24
  - PCC SHOULDERS 11 SUB GRAN MAT C 4 AGG SUBGRADE IMPR 24
  - PCC PVT 9 JOINTED STAB SUBBASE HMA 4 AGG SUBGRADE IMPR 12
  - PCC SHOULDERS 9 SUB GRAN MAT C 4 AGG SUBGRADE IMPR 12
- NOTE:**  
1. SEE SHEET 44 FOR PR ROADWAY PROFILE
- PROPOSED**



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED PLAN  
WB I-290 AUXILIARY LANES (PR BL RAMP NW)**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 1842+02.61 TO STA. 5238+00

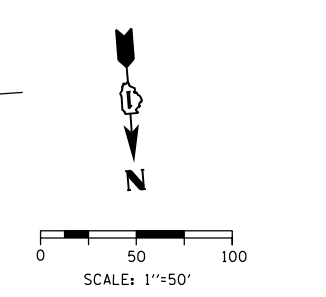
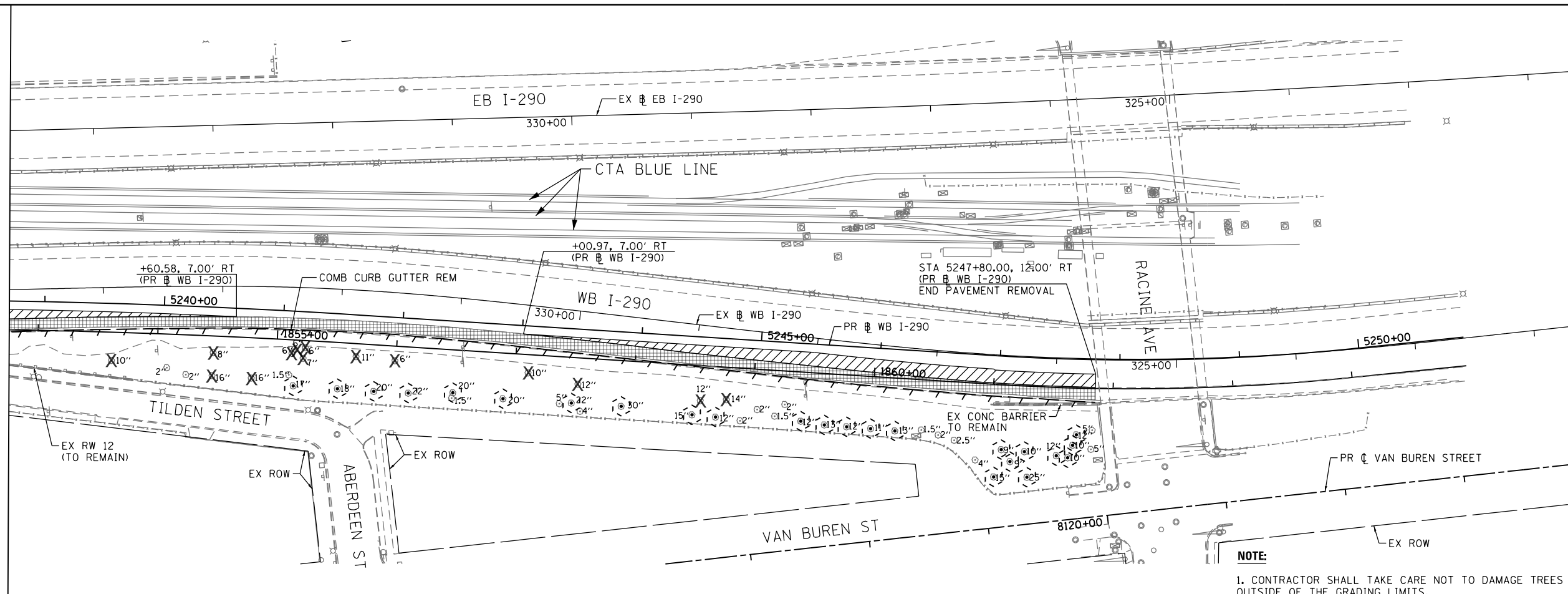
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-07TR	COOK	317	42
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				



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PLOT DATE = 12/3/2014

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DRAWN - OPS	REVISED -
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DATE - 12/05/14	REVISED -

MATCH LINE STA 5238+00 (PR & WB I-290)  
SEE SHEET NO. 42

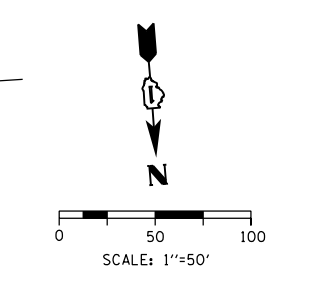
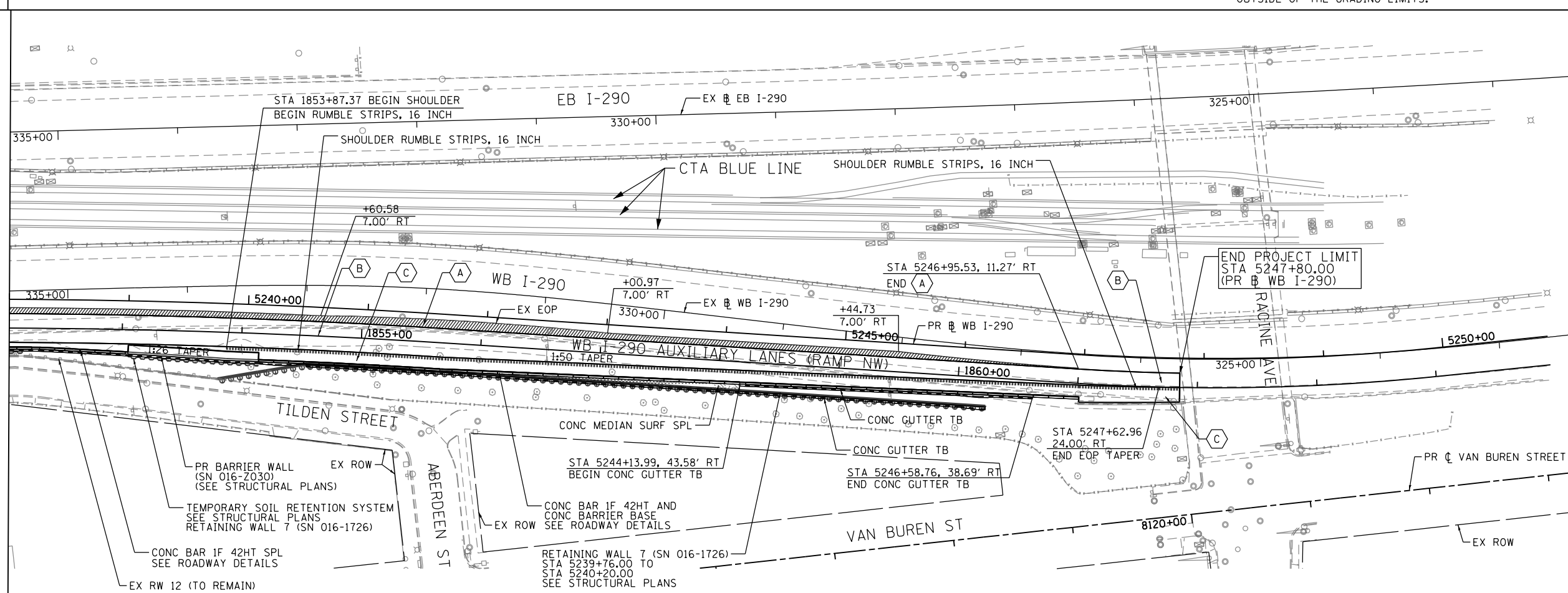


- REMOVAL LEGEND**
- PAVEMENT REMOVAL
  - PAVED SHOULDER REMOVAL
  - APPROACH SLAB REMOVAL
  - LINEAR REMOVAL
  - TREE REMOVAL, ACRES
  - TREE REMOVAL
  - TREE TRUNK PROTECTION

**NOTE:**  
1. CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE TREES OUTSIDE OF THE GRADING LIMITS.

**EXISTING**

MATCH LINE STA 5238+00 (PR & WB I-290)  
SEE SHEET NO. 42



**NOTE:**  
1. SEE SHEET 44 FOR PR ROADWAY PROFILE

- PROPOSED ROADWAY LEGEND**
- TEMPORARY PAVEMENT SUB GRAN MAT B 4
  - PCC PVT 11 JOINTED STAB SUBBASE HMA 4 AGG SUBGRADE IMPR 24
  - PCC SHOULDERS 11 SUB GRAN MAT C 4 AGG SUBGRADE IMPR 24
  - PCC PVT 9 JOINTED STAB SUBBASE HMA 4 AGG SUBGRADE IMPR 12
  - PCC SHOULDERS 9 SUB GRAN MAT C 4 AGG SUBGRADE IMPR 12

**PROPOSED**

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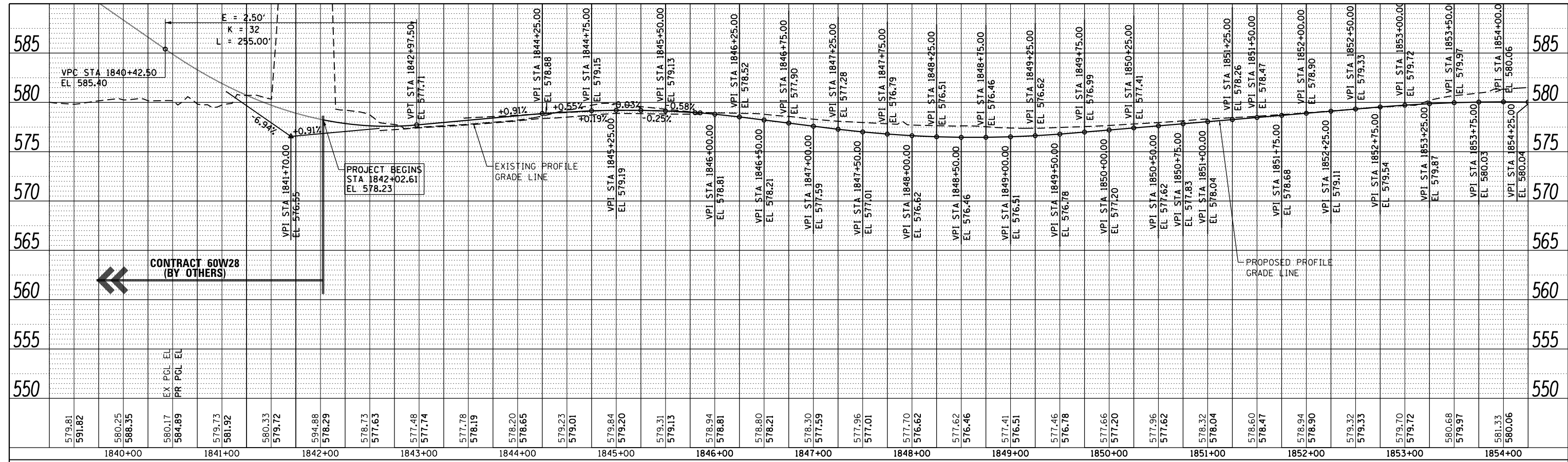
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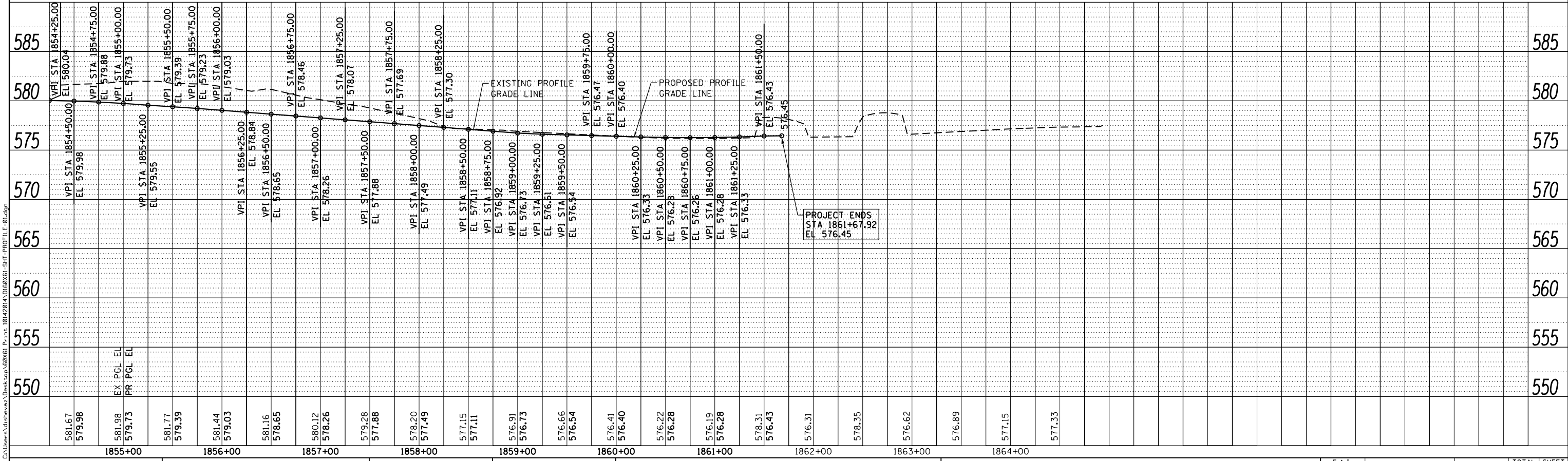
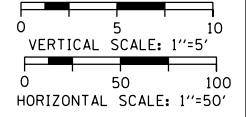
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**EXISTING AND PROPOSED PLAN**  
**WB I-290 AUXILIARY LANES (PR BL RAMP NW)**  
SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 5238+00 TO STA. 5238+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	43
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				



**WB I-290 AUXILIARY LANES  
(PR BL RAMP NW)**



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DATE - 10/17/14	REVISED -

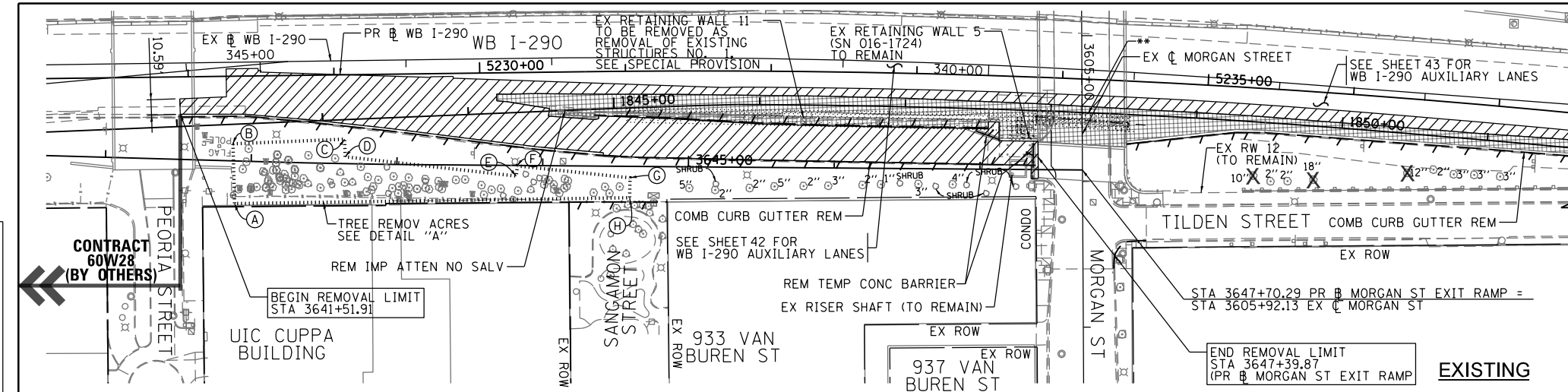
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PROFILE**  
**WB I-290 AUXILIARY LANES (PR BL RAMP NW)**  
 SCALE: 1"=50'    SHEET 1 OF 1    SHEETS    STA. 1802+75 TO STA. 1813+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	44
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	SUBMITTED
NOTE BOOK	ALIGNED
NO.	CHECKED
	FILE NAME

DATE	
BY	
PROFILE	SUBMITTED
NOTE BOOK	GRADES CHECKED
NO.	STRUCTURE
	NOTATIONS CHD



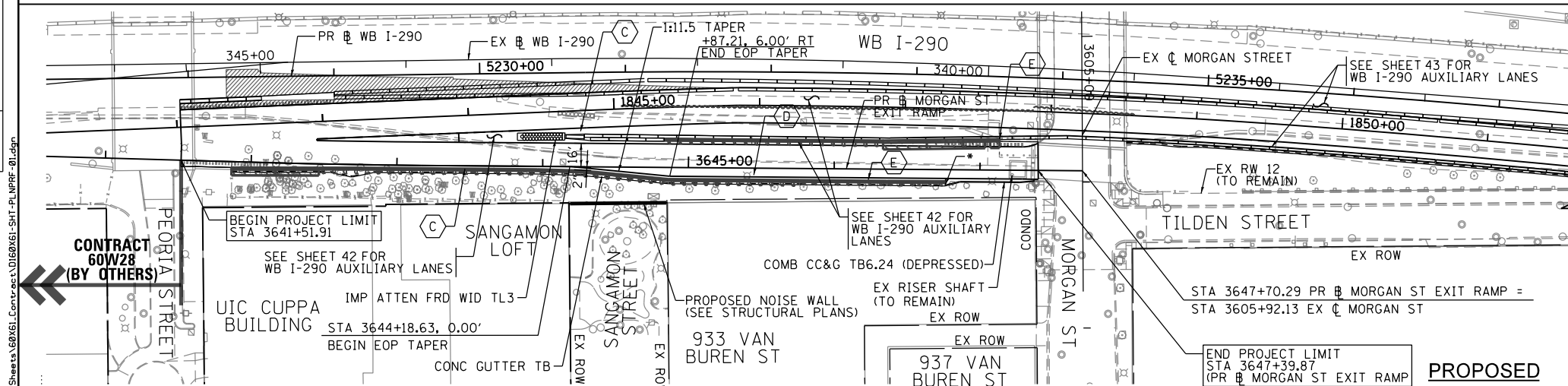
**REMOVAL LEGEND**

- [Hatched Box] PAVEMENT REMOVAL
- [Grid Box] PAVED SHOULDER REMOVAL
- [Dotted Box] APPROACH SLAB REMOVAL
- [Line with Dash] LINEAR REMOVAL
- [Dotted Line] TREE REMOVAL, ACRES
- [X] TREE REMOVAL

**DETAIL "A": TREE REMOVAL, ACRES**

POINT	BASELINE	STATION	OFFSET	RT/LT
(A)	PR MORGAN ST EXIT RAMP	3641+89.46	29.22	RT
(B)	PR MORGAN ST EXIT RAMP	3641+87.22	11.76	LT
(C)	PR MORGAN ST EXIT RAMP	3642+63.74	16.84	LT
(D)	PR MORGAN ST EXIT RAMP	3642+64.47	4.67	LT
(E)	PR MORGAN ST EXIT RAMP	3643+81.91	7.35	RT
(F)	PR MORGAN ST EXIT RAMP	3643+82.60	0.34	RT
(G)	PR MORGAN ST EXIT RAMP	3644+59.95	7.90	RT
(H)	PR MORGAN ST EXIT RAMP	3644+59.88	21.55	RT

GRAPHIC SCALE 0 50 100 FEET



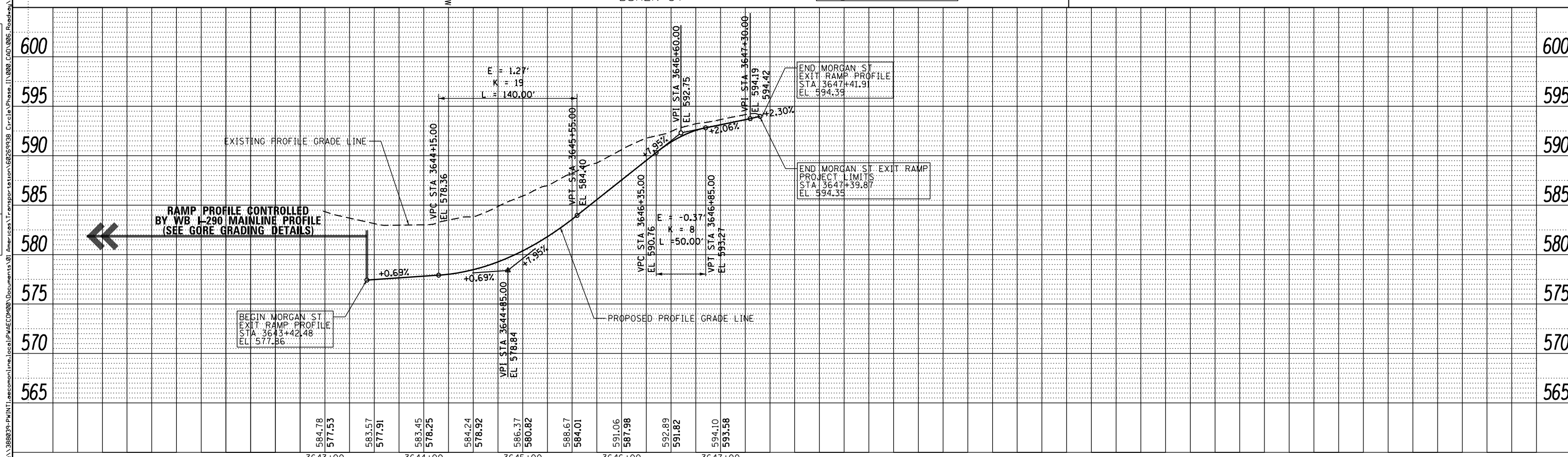
**PROPOSED ROADWAY LEGEND**

- (A) TEMPORARY PAVEMENT SUB GRAN MAT B 4
- (B) PCC PVT 11 JOINTED STAB SUBBASE HMA 4 AGG SUBGRADE IMPR 24
- (C) PCC SHOULDERS 11 SUB GRAN MAT C 4 AGG SUBGRADE IMPR 24
- (D) PCC PVT 9 JOINTED STAB SUBBASE HMA 4 AGG SUBGRADE IMPR 12
- (E) PCC SHOULDERS 9 SUB GRAN MAT C 4 AGG SUBGRADE IMPR 12

\* STA 3646+76.29, END CONC GUTTER TB AND BEGIN COMB CC&G TB6.24 (DEPRESSED) SEE ROADWAY DETAIL FOR TRANSITION DETAIL

\*\* EX MORGAN ST BRIDGE NORTH ABUTMENT (SN 016-2113) TO BE REMOVED AS REMOVAL OF EXISTING STRUCTURE NO. 2, SEE SPECIAL PROVISION

GRAPHIC SCALE 0 50 100 FEET



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

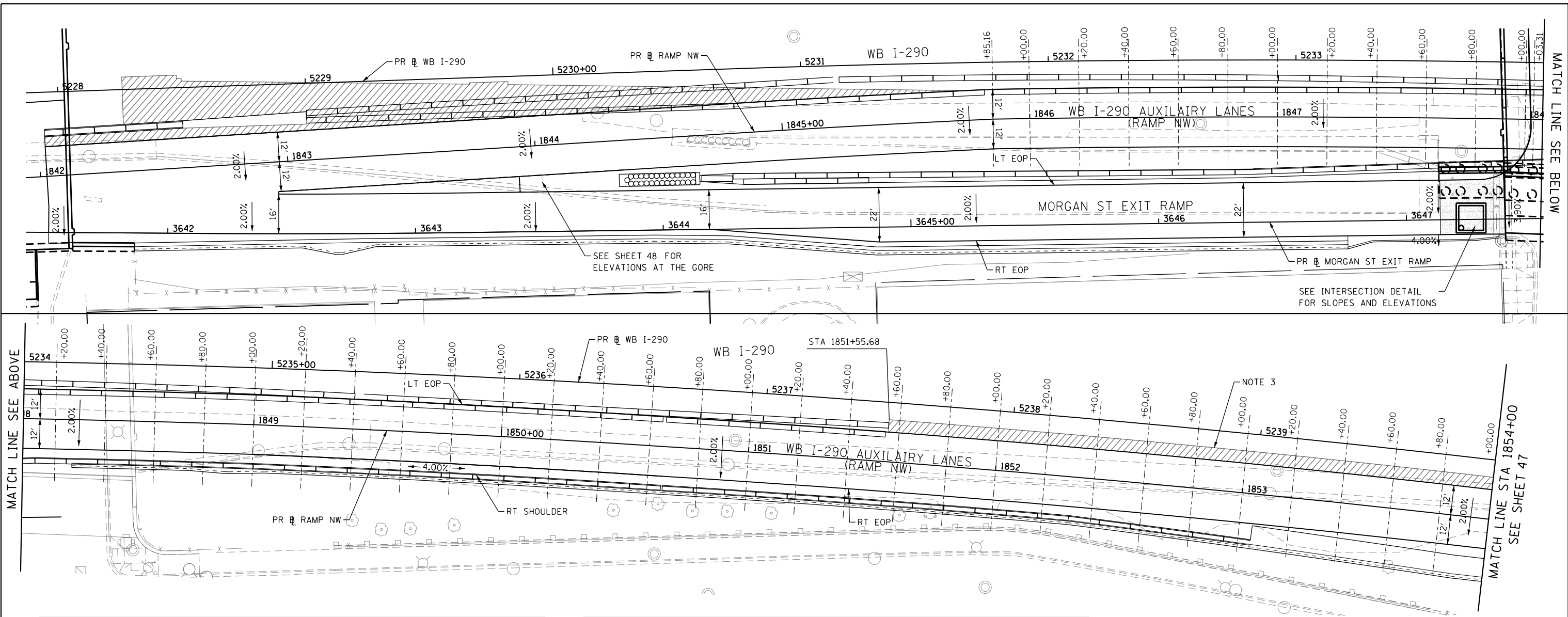
**PLAN & PROFILE  
MORGAN STREET EXIT RAMP**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-07TR	COOK	317	45
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

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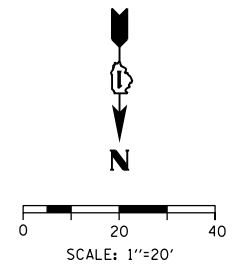
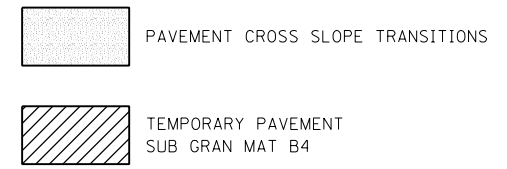
**PAVEMENT CROSS SLOPE AND ELEVATION - WB I-290 AUXILIARY LANES**

STATION WB I-290 AUXILIARY LANES (PR BL RAMP NW)	LT EOP			PGL			RT EOP		
	O/S	%	ELEV.	O/S	%	ELEV.	O/S	%	ELEV.
1845+85.16	-12.00	2.00%	579.18	0.00	N/A	578.94	12.00	-2.00%	578.70
1846+00.00	-12.00	2.00%	579.05	0.00	N/A	578.81	12.00	-2.00%	578.57
1846+20.00	-12.00	2.00%	578.82	0.00	N/A	578.58	12.00	-2.00%	578.34
1846+40.00	-12.00	2.00%	578.58	0.00	N/A	578.34	12.00	-2.00%	578.10
1846+60.00	-12.00	2.00%	578.33	0.00	N/A	578.09	12.00	-2.00%	577.85
1846+80.00	-12.00	2.00%	578.08	0.00	N/A	577.84	12.00	-2.00%	577.60
1847+00.00	-12.00	2.00%	577.83	0.00	N/A	577.59	12.00	-2.00%	577.35
1847+20.00	-12.00	2.00%	577.58	0.00	N/A	577.34	12.00	-2.00%	577.10
1847+40.00	-12.00	2.00%	577.36	0.00	N/A	577.12	12.00	-2.00%	576.88
1847+60.00	-12.00	2.00%	577.16	0.00	N/A	576.92	12.00	-2.00%	576.68
1847+80.00	-12.00	2.00%	576.99	0.00	N/A	576.75	12.00	-2.00%	576.51
1848+00.00	-12.00	2.00%	576.86	0.00	N/A	576.62	12.00	-2.00%	576.38
1848+20.00	-12.00	2.00%	576.78	0.00	N/A	576.54	12.00	-2.00%	576.30
1848+40.00	-12.00	2.00%	576.72	0.00	N/A	576.48	12.00	-2.00%	576.24
1848+60.00	-12.00	2.00%	576.70	0.00	N/A	576.46	12.00	-2.00%	576.22
1848+80.00	-12.00	2.00%	576.71	0.00	N/A	576.47	12.00	-2.00%	576.23
1849+00.00	-12.00	2.00%	576.75	0.00	N/A	576.51	12.00	-2.00%	576.27
1849+20.00	-12.00	2.00%	576.84	0.00	N/A	576.60	12.00	-2.00%	576.36
1849+40.00	-12.00	2.00%	576.96	0.00	N/A	576.72	12.00	-2.00%	576.48
1849+60.00	-12.00	2.00%	577.11	0.00	N/A	576.87	12.00	-2.00%	576.63
1849+80.00	-12.00	2.00%	577.27	0.00	N/A	577.03	12.00	-2.00%	576.79

**PAVEMENT CROSS SLOPE AND ELEVATION - WB I-290 AUXILIARY LANES**

STATION WB I-290 AUXILIARY LANES (PR BL RAMP NW)	LT EOP			PGL			RT EOP		
	O/S	%	ELEV.	O/S	%	ELEV.	O/S	%	ELEV.
1850+00.00	-12.00	2.00%	577.44	0.00	N/A	577.20	12.00	-2.00%	576.96
1850+20.00	-12.00	2.00%	577.61	0.00	N/A	577.37	12.00	-2.00%	577.13
1850+40.00	-12.00	2.00%	577.78	0.00	N/A	577.54	12.00	-2.00%	577.30
1850+60.00	-12.00	2.00%	577.94	0.00	N/A	577.70	12.00	-2.00%	577.46
1850+80.00	-12.00	2.00%	578.11	0.00	N/A	577.87	12.00	-2.00%	577.63
1851+00.00	-12.00	2.00%	578.28	0.00	N/A	578.04	12.00	-2.00%	577.80
1851+20.00	-12.00	2.00%	578.46	0.00	N/A	578.22	12.00	-2.00%	577.98
1851+40.00	-12.00	2.00%	578.63	0.00	N/A	578.39	12.00	-2.00%	578.15
1851+60.00	-12.00	2.00%	578.80	0.00	N/A	578.56	12.00	-2.00%	578.32
1851+80.00	-12.00	2.00%	578.97	0.00	N/A	578.73	12.00	-2.00%	578.49
1852+00.00	-12.00	2.00%	579.14	0.00	N/A	578.90	12.00	-2.00%	578.66
1852+20.00	-12.00	2.00%	579.31	0.00	N/A	579.07	12.00	-2.00%	578.83
1852+40.00	-12.00	2.00%	579.48	0.00	N/A	579.24	12.00	-2.00%	579.00
1852+60.00	-12.00	2.00%	579.65	0.00	N/A	579.41	12.00	-2.00%	579.17
1852+80.00	-12.00	2.00%	579.81	0.00	N/A	579.57	12.00	-2.00%	579.33
1853+00.00	-12.00	2.00%	579.96	0.00	N/A	579.72	12.00	-2.00%	579.48
1853+20.00	-12.00	2.00%	580.08	0.00	N/A	579.84	12.00	-2.00%	579.60
1853+40.00	-12.00	2.00%	580.17	0.00	N/A	579.93	12.00	-2.00%	579.69
1853+60.00	-12.00	2.00%	580.24	0.00	N/A	580.00	12.00	-2.00%	579.76
1853+80.00	-12.00	2.00%	580.28	0.00	N/A	580.04	12.00	-2.00%	579.80
1854+00.00	-12.00	2.00%	580.30	0.00	N/A	580.06	12.00	-2.00%	579.82

- NOTES:**
- UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE
  - NC=2.00%
  - MEET EXISTING CROSS SLOPES AND ELEVATIONS. FIELD VERIFY AND ADJUST AS NECESSARY.



**WB I-290 AUXILIARY LANE  
PAVEMENT ELEVATIONS**

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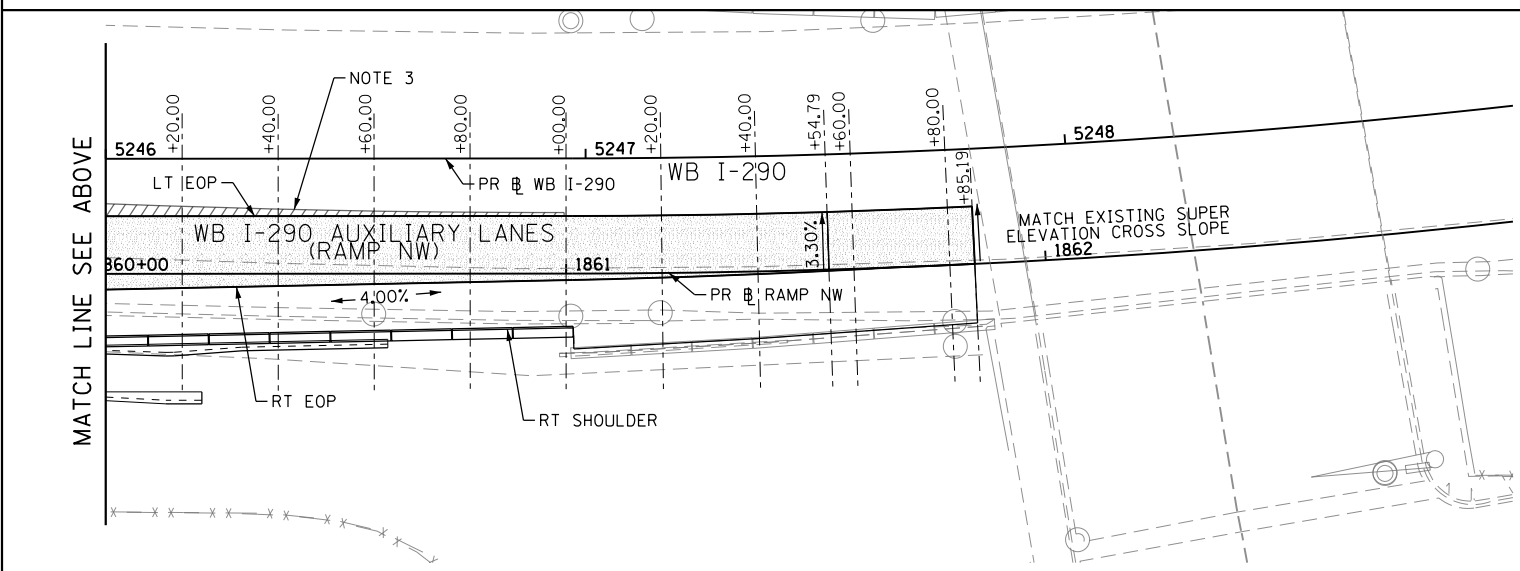
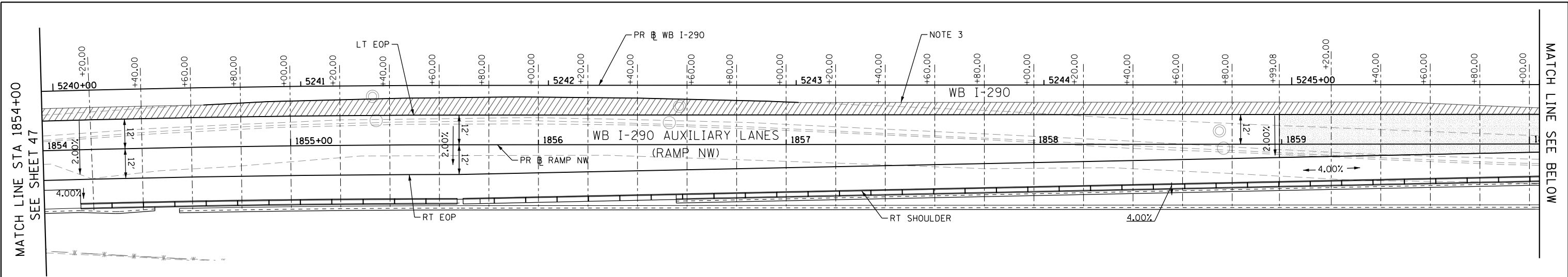
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT ELEVATION DETAILS**

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

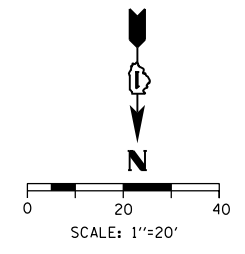
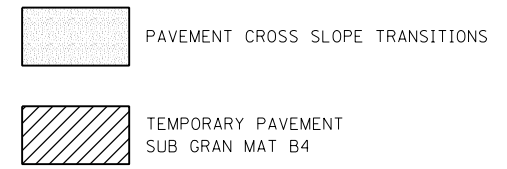
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CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				



STATION WB I-290 AUXILIARY LANES (PR BL RAMP NW)	LT EOP			PGL			RT EOP		
	O/S	%	ELEV.	O/S	%	ELEV.	O/S	%	ELEV.
1854+20.00	-12.00	2.00%	580.28	0.00	N/A	580.04	12.00	-2.00%	579.80
1854+40.00	-12.00	2.00%	580.24	0.00	N/A	580.00	12.00	-2.00%	579.76
1854+60.00	-12.00	2.00%	580.18	0.00	N/A	579.94	12.00	-2.00%	579.70
1854+80.00	-12.00	2.00%	580.09	0.00	N/A	579.85	12.00	-2.00%	579.61
1855+00.00	-12.00	2.00%	579.97	0.00	N/A	579.73	12.00	-2.00%	579.49
1855+20.00	-12.00	2.00%	579.83	0.00	N/A	579.59	12.00	-2.00%	579.35
1855+40.00	-12.00	2.00%	579.70	0.00	N/A	579.46	12.00	-2.00%	579.22
1855+60.00	-12.00	2.00%	579.58	0.00	N/A	579.34	12.00	-2.00%	579.10
1855+80.00	-12.00	2.00%	579.43	0.00	N/A	579.19	11.76	-2.00%	578.95
1856+00.00	-12.00	2.00%	579.27	0.00	N/A	579.03	11.36	-2.00%	578.81
1856+20.00	-12.00	2.00%	579.12	0.00	N/A	578.88	10.96	-2.00%	578.66
1856+40.00	-12.00	2.00%	578.97	0.00	N/A	578.73	10.56	-2.00%	578.52
1856+60.00	-12.00	2.00%	578.81	0.00	N/A	578.57	10.16	-2.00%	578.37
1856+80.00	-12.00	2.00%	578.66	0.00	N/A	578.42	9.76	-2.00%	578.22
1857+00.00	-12.00	2.00%	578.50	0.00	N/A	578.26	9.36	-2.00%	578.08
1857+20.00	-12.00	2.00%	578.35	0.00	N/A	578.11	8.96	-2.00%	577.93
1857+40.00	-12.00	2.00%	578.20	0.00	N/A	577.96	8.56	-2.00%	577.79
1857+60.00	-12.00	2.00%	578.04	0.00	N/A	577.80	8.16	-2.00%	577.64
1857+80.00	-12.00	2.00%	577.89	0.00	N/A	577.65	7.76	-2.00%	577.49

STATION WB I-290 AUXILIARY LANES (PR BL RAMP NW)	LT EOP			PGL			RT EOP		
	O/S	%	ELEV.	O/S	%	ELEV.	O/S	%	ELEV.
1858+00.00	-12.00	2.00%	577.73	0.00	N/A	577.49	7.36	-2.00%	577.35
1858+20.00	-12.00	2.00%	577.58	0.00	N/A	577.34	6.96	-2.00%	577.20
1858+40.00	-12.00	2.00%	577.43	0.00	N/A	577.19	6.56	-2.00%	577.05
1858+60.00	-12.00	2.00%	577.27	0.00	N/A	577.03	6.16	-2.00%	576.91
1858+80.00	-12.00	2.00%	577.12	0.00	N/A	576.88	5.76	-2.00%	576.76
1859+99.08	-12.00	2.00%	576.97	0.00	N/A	576.73	5.38	-2.00%	576.63
1859+20.00	-12.00	1.56%	576.82	0.00	N/A	576.63	4.96	-1.56%	576.56
1859+40.00	-12.00	1.15%	576.71	0.00	N/A	576.57	4.56	-1.15%	576.52
1859+60.00	-12.00	0.73%	576.60	0.00	N/A	576.51	4.16	-0.73%	576.48
1859+80.00	-12.00	0.32%	576.50	0.00	N/A	576.46	3.76	-0.32%	576.45
1860+00.00	-12.00	-0.10%	576.39	0.00	N/A	576.40	3.36	0.10%	576.41
1860+20.00	-12.00	-0.51%	576.29	0.00	N/A	576.35	2.96	0.51%	576.36
1860+40.00	-12.00	-0.93%	576.19	0.00	N/A	576.30	2.56	0.93%	576.32
1860+60.00	-12.00	-1.34%	576.11	0.00	N/A	576.27	2.16	1.34%	576.30
1860+80.00	-12.00	-1.76%	576.05	0.00	N/A	576.26	1.76	1.76%	576.29
1861+00.00	-12.00	-2.18%	576.02	0.00	N/A	576.28	1.36	2.18%	576.31
1861+20.00	-12.00	-2.59%	576.01	0.00	N/A	576.32	0.96	2.59%	576.35
1861+40.00	-12.00	-3.00%	576.03	0.00	N/A	576.39	0.56	3.00%	576.40
1861+54.79	-12.00	-3.30%	576.05	0.00	N/A	576.45	0.26	3.30%	576.46
1861+60.00	-12.00	-3.30%	576.04	0.00	N/A	576.44	0.16	3.30%	576.44
1861+80.00	-12.00	-3.30%	576.07	0.00	N/A	576.46	0.00	-3.30%	576.46
1861+85.19	-12.00	-3.30%	576.07	0.00	N/A	576.47	0.00	-3.30%	576.47

- NOTES:
- UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE
  - NC=2.00%
  - MEET EXISTING CROSS SLOPES AND ELEVATIONS. FIELD VERIFY AND ADJUST AS NECESSARY.



**WB I-290 AUXILIARY LANE  
PAVEMENT ELEVATIONS**

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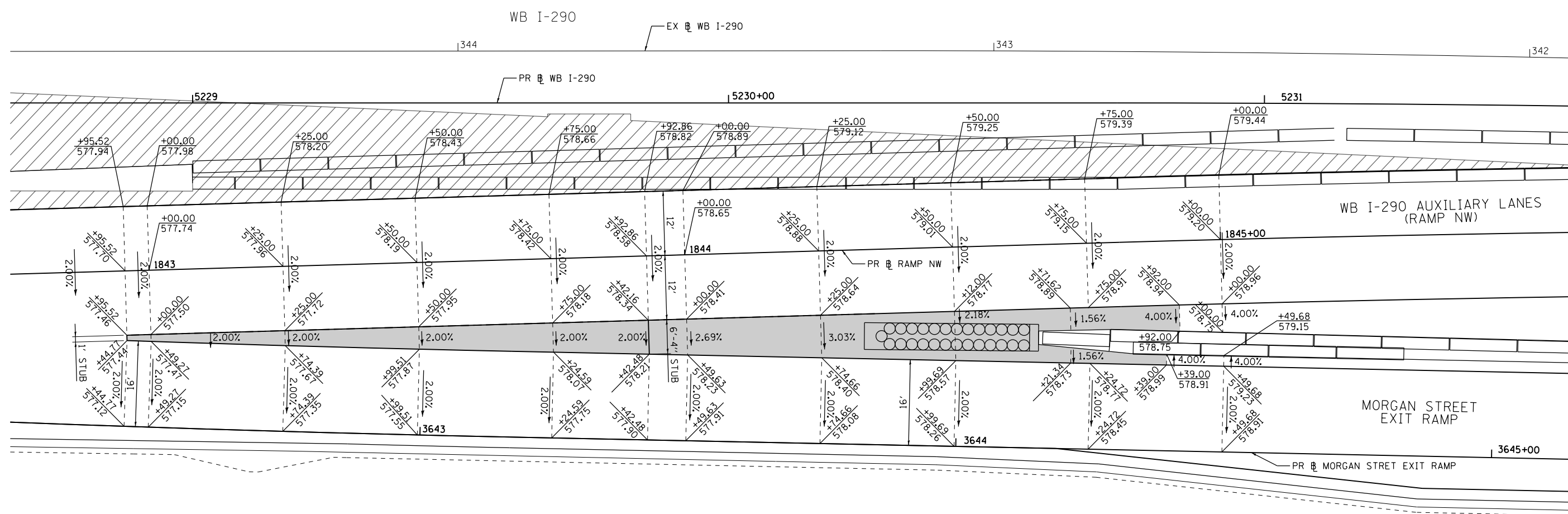
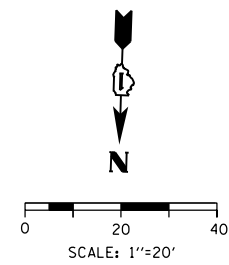
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT ELEVATION DETAILS**

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

F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 47
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				





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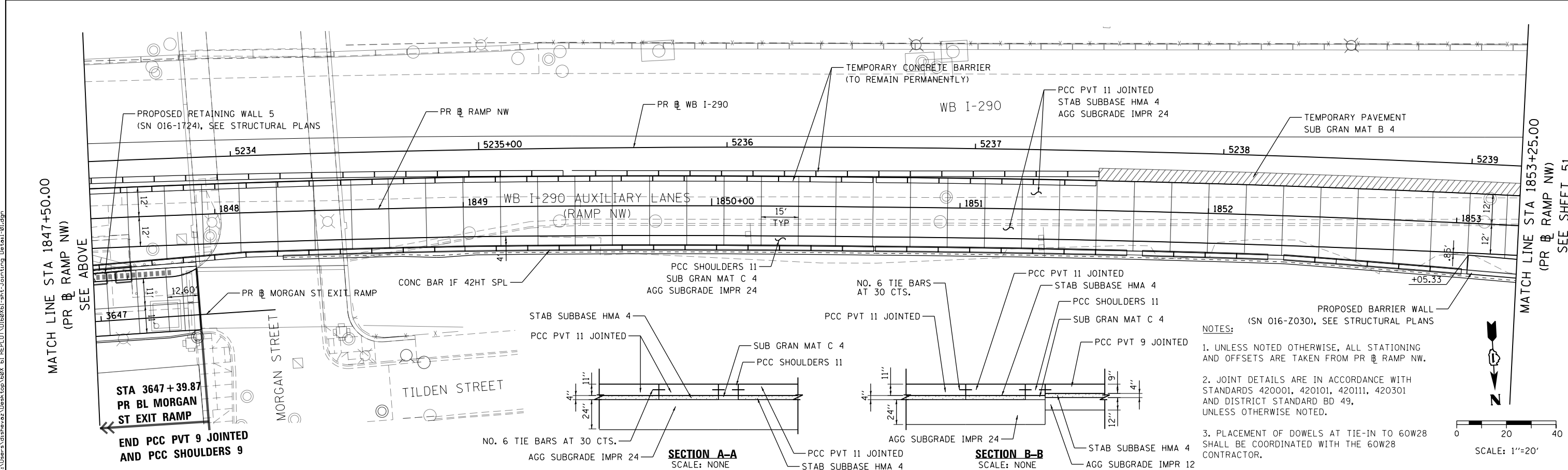
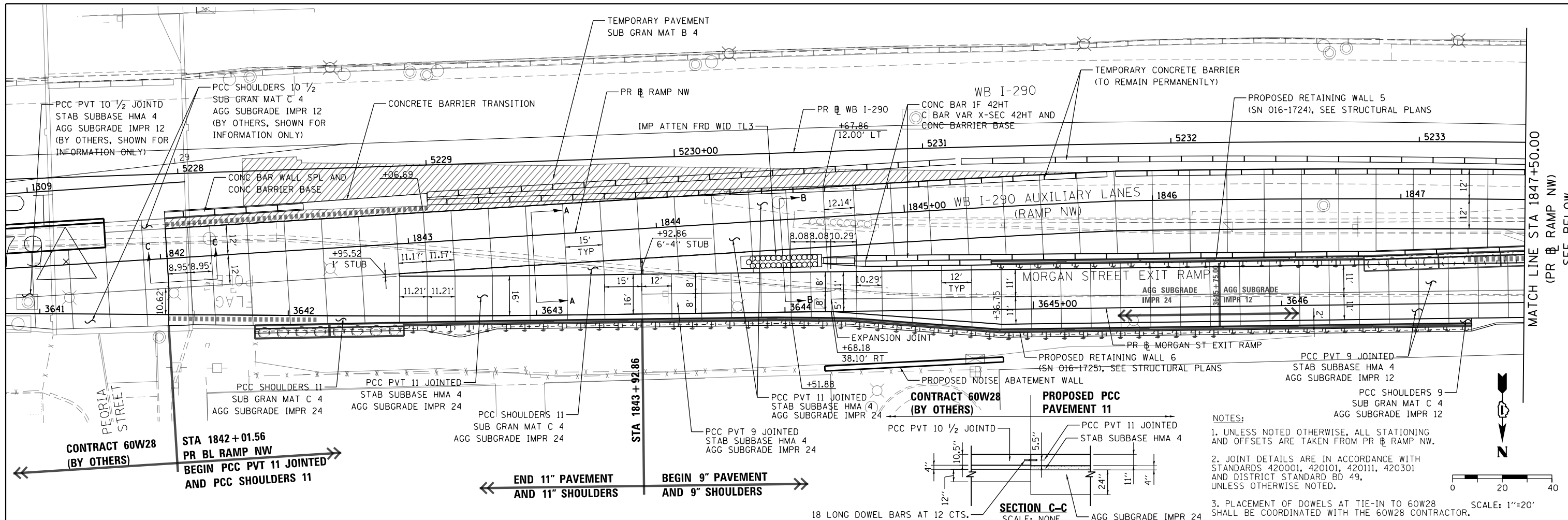
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GORE GRADING DETAILS  
RAMP NW AND MORGAN STREET EXIT RAMP**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	48
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				





**NOTES:**

- UNLESS NOTED OTHERWISE, ALL STATIONING AND OFFSETS ARE TAKEN FROM PR BL RAMP NW.
- JOINT DETAILS ARE IN ACCORDANCE WITH STANDARDS 420001, 420101, 420111, 420301 AND DISTRICT STANDARD BD 49, UNLESS OTHERWISE NOTED.
- PLACEMENT OF DOWELS AT TIE-IN TO 60W28 SHALL BE COORDINATED WITH THE 60W28 CONTRACTOR.

**NOTES:**

- UNLESS NOTED OTHERWISE, ALL STATIONING AND OFFSETS ARE TAKEN FROM PR BL RAMP NW.
- JOINT DETAILS ARE IN ACCORDANCE WITH STANDARDS 420001, 420101, 420111, 420301 AND DISTRICT STANDARD BD 49, UNLESS OTHERWISE NOTED.
- PLACEMENT OF DOWELS AT TIE-IN TO 60W28 SHALL BE COORDINATED WITH THE 60W28 CONTRACTOR.



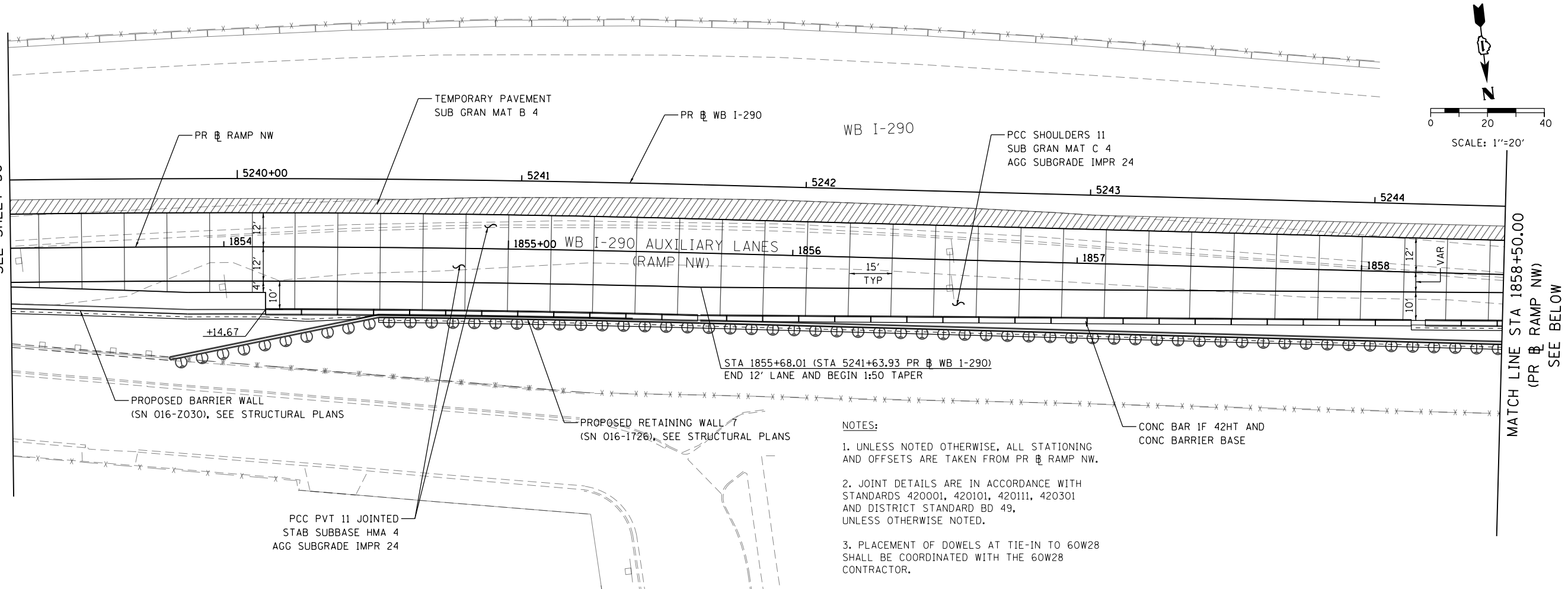
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

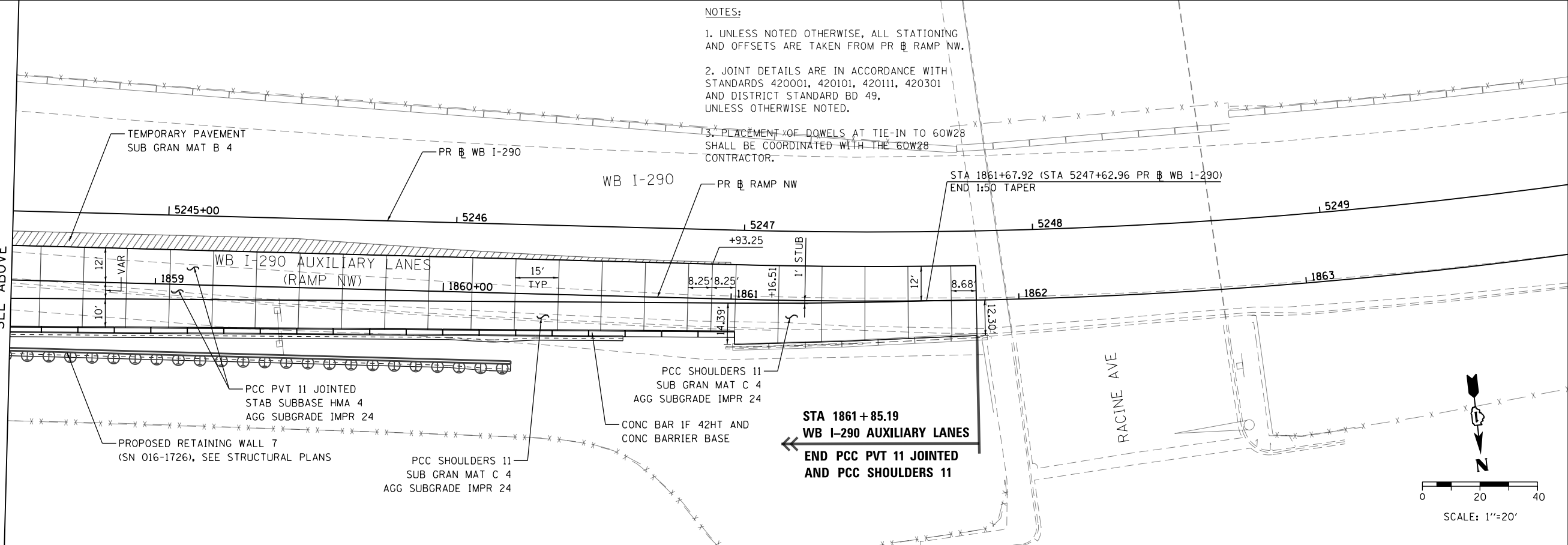
F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 50
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 1853+25.00  
(PR RAMP NW)  
SEE SHEET 50



- NOTES:
1. UNLESS NOTED OTHERWISE, ALL STATIONING AND OFFSETS ARE TAKEN FROM PR RAMP NW.
  2. JOINT DETAILS ARE IN ACCORDANCE WITH STANDARDS 420001, 420101, 420111, 420301 AND DISTRICT STANDARD BD 49, UNLESS OTHERWISE NOTED.
  3. PLACEMENT OF DOWELS AT TIE-IN TO 60W28 SHALL BE COORDINATED WITH THE 60W28 CONTRACTOR.

MATCH LINE STA 1858+50.00  
(PR RAMP NW)  
SEE ABOVE



- NOTES:
1. UNLESS NOTED OTHERWISE, ALL STATIONING AND OFFSETS ARE TAKEN FROM PR RAMP NW.
  2. JOINT DETAILS ARE IN ACCORDANCE WITH STANDARDS 420001, 420101, 420111, 420301 AND DISTRICT STANDARD BD 49, UNLESS OTHERWISE NOTED.
  3. PLACEMENT OF DOWELS AT TIE-IN TO 60W28 SHALL BE COORDINATED WITH THE 60W28 CONTRACTOR.

STA 1861+85.19  
WB I-290 AUXILIARY LANES  
END PCC PVT 11 JOINTED  
AND PCC SHOULDERS 11

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DATE - 10/17/14	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

JOINTING AND PCC PAVEMENT DETAIL PLAN

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

F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 51
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

**TRAFFIC CONTROL GENERAL NOTES**

1. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND SECTION 701 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN, ACCORDING TO HIGHWAY STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.
3. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
4. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
5. ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE TWO LOW INTENSITY FLASHING LIGHTS MOUNTED ON TOP OF EACH BARRICADE.
6. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR II BARRICADE USED.
7. WHERE ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
8. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
9. PRIOR TO START OF CONSTRUCTION, ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
10. COOPERATION BETWEEN CONTRACTORS SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
11. STAGE 2A LANE RESTRICTIONS MUST NOT COMMENCE UNTIL CONTRACT 60W26 AND CONTRACT 60W29 LANE RESTRICTIONS ARE REMOVED. COORDINATION WITH CONTRACT 60W26 AND CONTRACT 60W29 IS REQUIRED. SEE MAINTENANCE OF TRAFFIC PLAN DETAILS FOR MORE INFORMATION.
12. UNLESS OTHERWISE NOTED IN THE SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER 28 DAYS PRIOR TO ANY ANTICIPATED CLOSURES.
13. A MINIMUM 11' LANE WIDTH SHALL BE MAINTAINED ON ALL INTERSTATE LANES OPEN TO TRAFFIC DURING CONSTRUCTION.
14. OFFSETS BETWEEN THE EDGE OF TRAVEL LANE AND THE FACE OF TEMPORARY CONCRETE BARRIER ARE ASSUMED TO BE 1 FT UNLESS DESIGNATED OTHERWISE.

15. 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.

16. 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.
17. SIGN W21-1a SHALL BE TAKEN DOWN WHEN THE WORKERS ARE NOT PRESENT.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS RESTRICTIONS TO THE SITE AS MAY 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 UNIT BID PRICES OF THE CONTRACT.

19. A 3'-6" 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 3'-6" DEFLECTION AREA CANNOT BE MAINTAINED, THE TEMPORARY CONCRETE BARRIER WALL SHALL BE ANCHORED TO THE PAVEMENT IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (EXCLUDING BRIDGE DECKS) THROUGH THE 3 ANCHORING HOLES ON THE TRAFFIC SIDE OF THE TEMPORARY CONCRETE BARRIER WALL. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, SHALL BE CONSIDERED INCIDENTAL TO THE TEMPORARY CONCRETE BARRIER PAY ITEM.

20. 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.

21. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. SUFFICIENT QUANTITIES FOR ONE PLACEMENT AND ONE REPLACEMENT HAVE BEEN PROVIDED FOR EACH STAGE. ALL MARKINGS THAT REQUIRE REPLACEMENT AFTER THE SECOND PLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.

22. ADDITIONAL ESTIMATED QUANTITIES FOR VARIOUS MAINTENANCE OF TRAFFIC ITEMS HAVE BEEN INCLUDED IN THE CONTRACT FOR THE PURPOSE OF SUPPLEMENTING MAINTENANCE OF TRAFFIC OPERATIONS 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.

23. THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL). ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

24. THE CONTRACTOR SHALL ONLY SET UP AND STORE EQUIPMENT DURING CONSTRUCTION AT THE SUGGESTED STAGING AREAS AS SHOWN IN THE PLANS OR AS APPROVED BY THE ENGINEER. THE SUGGESTED STAGING AREAS SHOWN IN THE PLANS ARE SUBJECT TO FIELD MODIFICATION AS DETERMINED BY THE ENGINEER. THE SUGGESTED STAGING AREAS MAY BE SHARED WITH OTHER ADJACENT CONTRACTS WHICH MAY BE UNDER CONSTRUCTION DURING THE DURATION OF THIS PROJECT. CONTRACTOR COOPERATION IS REQUIRED.

25. ALL TEMPORARY INFORMATION SIGNS SHALL HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.

26. ADDITIONAL LANE RESTRICTIONS ON I-290 WB MUST NOT BE ADDED UNTIL TH EXISTING LANE RESTRICTIONS ESTABLISHED UNDER CONTRACT 60W26 HAVE BEEN REMOVED. (SEE MAINTENANCE OF TRAFFIC PLANS OF FURTHER DETAILS).













27. ALL WORK SHALL BE PERFORMED FROM WITHIN THE ACCESS CONTROL LIMITS OF THE EXPRESSWAY. WORK ON TILDEN STREET FOR RETAINING WALL CONSTRUCTION IS PROHIBITED UNLESS APPROVED BY THE ENGINEER.

28. THERE IS NO PROPOSED WORK ON THE EB I-290 MAINLINE IN THIS CONTRACT. ALL MAINTENANCE OF TRAFFIC AND EXISTING LANE RESTRICTIONS ON EB I-290 SHALL BE PER CONTRACT 60W26, CONTRACT 60W28 AND CONTRACT 60W29.

29. AFTER THE COMPLETE INSTALLATION OF THE PROPOSED SURVEILLANCE CABINET G1 AND ALL ITS ELECTRICAL SERVICE, THE CONTRACTOR SHALL TAKE PRECAUTION DURING THE CONSTRUCTION OF PROPOSED RETAINING WALL 6 (SN 016-1725) NOT TO DAMAGED THE NEWLY INSTALLED ITS CABINET. ANY ITS SYSTEM THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE AT THE CONTRACTOR'S EXPENSE. NO ADDITIONAL COMPENSATION IS ALLOWED.

30. THE CONTRACTOR SHALL INSTALL TEMPORARY PLUGS BETWEEN STAGES PRIOR TO BACKFILLING THE TRENCHES. ALL TRENCHES SHALL BE BACKFILLED IMMEDIATELY AFTER THE INSTALLATION OF PROPOSED MAIN DRAIN. THE INSTALLATION AND REMOVAL OF TEMPORARY PLUGS SHALL BE INCLUDED IN THE COST OF STORM SEWERS.

**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

**NOTE:**

BOXED ITEMS ARE INCLUDED IN THE COST OF THE CONTRACT.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - GENERAL NOTES AND LEGEND			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	52
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

# STAGING NARRATIVE

## STAGE 1

### MAINTENANCE OF TRAFFIC ALONG I-90/94 MAINLINE AND RAMP NW

- WB I-90/94 AND RAMP NW
  - o MAINTAIN EXISTING LANE RESTRICTIONS PER CONTRACT 60W26 AND CONTRACT 60W28.
  - o COORDINATION WITH CONTRACTS 60W26 AND 60W28 REQUIRED.

### MAINTENANCE OF TRAFFIC ALONG I-290 MAINLINE

- WB I-290
  - o MAINTAIN EXISTING LANE RESTRICTIONS PER CONTRACT 60W26, CONTRACT 60W28 AND CONTRACT 60W29. COORDINATION WITH CONTRACT 60W26, CONTRACT 60W28 AND CONTRACT 60W29 REQUIRED.
  - o CONTINUE 4 LANES OF TRAFFIC EAST OF PEORIA STREET TO RACINE AVENUE AS SHOWN IN THE PLANS.

### MAINTENANCE OF TRAFFIC ON MAINLINE RAMPS

- RAMP SW
  - o MAINTAIN EXISTING TRAVEL LANES. COORDINATION WITH CONTRACT 60W28 REQUIRED.
- MORGAN ST EXIT RAMP (I-290 WB)
  - o MAINTAIN EXISTING RAMP CLOSURE PER CONTRACT 60W28. COORDINATION WITH CONTRACT 60W28 REQUIRED.
  - o TRAFFIC SHALL USE DETOUR PROVIDED VIA CONTRACT 60W28.
  - o THE CONTRACTOR UNDER 60W29 WILL USE ALL OR PORTIONS OF THE EXISTING EXIT RAMP FOR A STAGING AREA UNTIL NO LATER THAN APRIL 30, 2015. COORDINATION WITH CONTRACT 60W29 REQUIRED.

### MAINTENANCE OF TRAFFIC ON LOCAL STREETS

- MORGAN STREET, PEORIA STREET, SANGAMON STREET, TILDEN STREET AND ABERDEEN STREET ( NO TRAFFIC CONTROL IS ANTICIPATED )
  - o MAINTAIN ACCESS AT ALL TIMES TO ADJACENT DRIVEWAYS AND PROPERTIES NEAR AND IN THE CONSTRUCTION AREA.
  - o MAINTAIN EXISTING TRAVEL LANES.

### CONSTRUCTION TO BE COMPLETED IN STAGE 1

- REMOVE ALL ABANDONED CTA FOUNDATIONS IN CONFLICT WITH PROPOSED RETAINING WALL 6 CONSTRUCTION.
- BEGIN AND COMPLETE THE INSTALLATION OF THE PROPOSED SURVEILLANCE CABINET G1 AND ALL ITS ELECTRICAL SERVICE SUCH THAT THE SYSTEM IS IN FULL SERVICE. THE CONDUITS SHALL BE INSTALLED AS CLOSE TO THE EXISTING ROW AS POSSIBLE TO AVOID CONFLICT DURING THE CONSTRUCTION OF PROPOSED RETAINING WALL 6 (SN 016-1725). THEN REMOVE THE EXISTING CABINET AND ALL ITS CABLES, CONDUITS AND APPURTENANCES.
- MAINTAIN EXISTING DRAINAGE SYSTEMS AND LATERAL PIPES DURING MAIN DRAIN CONSTRUCTION WITHIN THE LIMIT OF IMPROVEMENT. INSTALL TEMPORARY DRAINAGE STRUCTURES AND PIPES WHERE EXISTING DRAINAGE SYSTEMS CONFLICTS WITH THE 78" MAIN DRAIN CONSTRUCTION.
- BEGIN 78" MAIN DRAIN CONSTRUCTION BETWEEN STA 5235+25.00 AND STA 5245+00.00.
- BEGIN ALL COLLECTOR AND LATERAL SEWER PIPE AND STRUCTURE INSTALLATION BETWEEN STA 5235+25.00 AND 5245+00.00.
- BEGIN 78" MAIN DRAIN CONSTRUCTION BETWEEN PROPOSED PIER 8 AND PIER 9 (SN 016-1705, CONTRACT 60W28). INSTALL ALL PIPES EXCEPT FOR 24" THAT TIES INTO THE MH CONSTRUCTED ALONG WB I-290 RIGHT SHOULDER IN CONTRACT 60W28. ANY BACKFILLING OR GRADING TO THE NATURAL LINE OR FINISHED SURFACE DUE TO PIPE INSTALLATION SHALL NOT CONFLICT WITH THE FINAL GRADING OF CONTRACT 60W28. THE WORK SHALL NOT BE PERFORMED UNTIL AFTER PIER 8 AND PIER 9 (BY OTHERS) ARE COMPLETE. COORDINATION WITH CONTRACT 60W28 REQUIRED.
- BEGIN SITE GRADING ON THE NORTH SIDE OF WB I-290 WEST OF MORGAN STREET.
- BEGIN CONSTRUCTION OF PROPOSED RETAINING WALL 5 (SN 016-1724).
- BEGIN REMOVALS OF EXISTING RETAINING WALL 11 (SOUTH SIDE OF MORGAN STREET EXIT RAMP) AND ORIGINAL NORTH ABUTMENT OF MORGAN STREET BRIDGE (SN 016-2113) REMAINING FROM CONTRACT 60W25. THE LIMITS OF REMOVALS SHOULD BE AS SHOWN ON PLANS AND IN ACCORDANCE WITH SPECIAL PROVISIONS FOR REMOVAL OF EXISTING STRUCTURES NO. 1 AND REMOVAL OF EXISTING STRUCTURES NO. 2. INSTALL REQUIRED TEMPORARY SOIL RETENTION SYSTEMS LIMITS AS SHOWN IN THE PLANS AND IN ACCORDANCE WITH SPECIAL PROVISIONS. THE REMOVAL OF EXISTING RETAINING WALL 11 AND NORTH ABUTMENT OF MORGAN STREET BRIDGE (SN 016-2113) SHALL NOT INTERFERE WITH TRAFFIC CONFIGURATION AS WELL AS THE CONSTRUCTION OF PROPOSED RETAINING WALL 5 (SN 016-1724) AND VICE VERSA.
- BEGIN CONSTRUCTION OF PROPOSED RETAINING WALL 6 (SN 016-1725). THE CONTRACTOR SHALL TAKE PRECAUTION DURING THE CONSTRUCTION OF RETAINING WALL 6 SUCH THAT THERE IS NO DAMAGE TO THE NEWLY INSTALLED SURVEILLANCE CABINET G1 AND ASSOCIATED DUCTS, CONDUITS AND CABLES. EXTREME CAUTION SHALL BE USED TO ENSURE THAT THERE IS NO DAMAGE TO ADJACENT PROPERTIES DURING WALL CONSTRUCTION.
- REMOVE EXISTING TRAFFIC SURVEILLANCE CABINET, G3 AT APPROXIMATE STA 5246+66 AS SHOWN ON PLANS.

## STAGE 2A

### MAINTENANCE OF TRAFFIC ALONG I-90/94 MAINLINE AND RAMP NW

- WB I-90/94 AND RAMP NW
  - o MAINTAIN EXISTING LANE RESTRICTIONS PER CONTRACT 60W26 AND CONTRACT 60W28.
  - o COORDINATION WITH CONTRACTS 60W26 AND 60W28 REQUIRED.

### MAINTENANCE OF TRAFFIC ALONG I-290 MAINLINE

- WB I-290
  - o MAINTAIN EXISTING LANE RESTRICTIONS PER CONTRACT 60W26, CONTRACT 60W28 AND CONTRACT 60W29. COORDINATION WITH CONTRACT 60W26, CONTRACT 60W28 AND CONTRACT 60W29 REQUIRED.
  - o CONTINUE TO REDUCE TRAFFIC TO 3 LANES TO EAST OF RACINE AVENUE AS SHOWN IN THE PLANS.

### MAINTENANCE OF TRAFFIC ON MAINLINE RAMPS

- RAMP SW
  - o MAINTAIN EXISTING TRAVEL LANES. COORDINATION WITH CONTRACT 60W28 REQUIRED.
- MORGAN ST EXIT RAMP (I-290 WB)
  - o MAINTAIN EXISTING RAMP CLOSURE PER CONTRACT 60W28. COORDINATION WITH CONTRACT 60W28 REQUIRED.
  - o TRAFFIC SHALL USE DETOUR PROVIDED VIA CONTRACT 60W28.
  - o THE CONTRACTOR UNDER 60W29 WILL USE ALL OR PORTIONS OF THE EXISTING EXIT RAMP FOR A STAGING AREA UNTIL NO LATER THAN APRIL 30, 2015. COORDINATION WITH CONTRACT 60W29 REQUIRED.

### MAINTENANCE OF TRAFFIC ON LOCAL STREETS

- MORGAN STREET, PEORIA STREET, SANGAMON STREET, TILDEN STREET AND ABERDEEN STREET ( NO TRAFFIC CONTROL IS ANTICIPATED )
  - o MAINTAIN ACCESS AT ALL TIMES TO ADJACENT DRIVEWAYS AND PROPERTIES NEAR AND IN THE CONSTRUCTION AREA.
  - o MAINTAIN EXISTING TRAVEL LANES.

### CONSTRUCTION TO BE COMPLETED IN STAGE 2A

- MAINTAIN EXISTING DRAINAGE SYSTEMS AND LATERAL PIPES DURING MAIN DRAIN CONSTRUCTION WITHIN THE LIMIT OF IMPROVEMENT.
- FIELD VERIFY THE EXISTING ALIGNMENT OF THE 36" WATER MAIN TO BE REMOVED AND REPLACED DURING INSTALLATION OF THE 78" MAIN DRAIN
- COMPLETE THE CONSTRUCTION OF RETAINING WALL 5 (SN 016-1724). THE WALL SHALL NOT BE BACKFILLED BEHIND THE WALL UNTIL AFTER COMPLETION OF COLLECTOR AND LATERAL SEWER PIPE AND STRUCTURES IN FRONT OF THE WALL.
- COMPLETE THE REMOVAL OF EXISTING RETAINING WALL 11.
- THE EXISTING SUBSTRUCTURES (STEM AND FOOTING) OF EXISTING RETAINING WALL 11 AND ORIGINAL MORGAN STREET BRIDGE NORTH ABUTMENT SHALL BE REMOVED PRIOR TO THE REMOVAL OF ANY PILES SUPPORTING THE EXISTING SUBSTRUCTURES IN ACCORDANCE WITH SPECIAL PROVISIONS. WHEN EXISTING PILES ARE ENCOUNTERED AND ARE DETERMINED TO BE IN CONFLICT WITH THE SEWER CONSTRUCTION, THE EXISTING PILES SHALL BE PARTIALLY OR FULLY REMOVED AS SPECIFIED IN THE SPECIAL PROVISIONS.
- CONTINUE CONSTRUCTION OF RETAINING WALL 6 (SN 016-1725). THE CONTRACTOR SHALL TAKE PRECAUTION DURING THE CONSTRUCTION OF RETAINING WALL 6 SUCH THAT THERE IS NO DAMAGE TO THE NEWLY INSTALLED SURVEILLANCE CABINET G1 AND ASSOCIATED DUCTS, CONDUITS AND CABLES. EXTREME CAUTION SHALL BE USED TO ENSURE THAT THERE IS NO DAMAGE TO ADJACENT PROPERTIES DURING WALL CONSTRUCTION.
- COMPLETE 78" MAIN DRAIN CONSTRUCTION BETWEEN STA 5235+25.00 AND STA 5245+00.00. BEGIN AND COMPLETE 78" MAIN DRAIN CONSTRUCTION BETWEEN 5245+00.00 AND STA 5247+75.78.
- COMPLETE ALL COLLECTOR AND LATERAL SEWER PIPE AND STRUCTURE INSTALLATION BETWEEN STA 5235+25.00 AND 5245+00.00. BEGIN AND COMPLETE ALL COLLECTOR AND LATERAL SEWER PIPE AND STRUCTURE INSTALLATION BETWEEN STA 5245+00.00 AND 5247+65.00.
- BEGIN CONSTRUCTION OF RETAINING WALL 7 (SN 016-1726) AFTER THE COMPLETION OF 78" MAIN DRAIN, COLLECTOR SEWERS AND LATERAL SEWERS WEST OF MORGAN STREET, WITH ALL SEWERS BACKFILLED TO AN ELEVATION EQUAL TO OR HIGHER THAN THE PROPOSED ROADWAY SUBGRADE.
- INSTALL NEW TRAFFIC SURVEILLANCE CABINET AT APPROXIMATE STA 5246+66 AS SHOWN ON PLANS.

## STAGE 2B

### MAINTENANCE OF TRAFFIC ALONG I-90/94 MAINLINE AND RAMP NW

- WB I-90/94 AND RAMP NW
  - o MAINTAIN EXISTING LANE RESTRICTIONS PER CONTRACT 60W26 AND CONTRACT 60W28.
  - o COORDINATION WITH CONTRACTS 60W26 AND 60W28 REQUIRED.

### MAINTENANCE OF TRAFFIC ALONG I-290 MAINLINE

- WB I-290
  - o MAINTAIN EXISTING LANE RESTRICTIONS PER CONTRACT 60W26, CONTRACT 60W28 AND CONTRACT 60W29. COORDINATION WITH CONTRACT 60W26, CONTRACT 60W28 AND CONTRACT 60W29 REQUIRED.
  - o MAINTAIN 3 LANES OF TRAFFIC ESTABLISHED FROM PREVIOUS STAGE. EXCEPT AT STA 5245+00.00, RELOCATE TEMPORARY CONCRETE BARRIER AND SHIFT TRAFFIC SLIGHTLY SOUTH TO ACCOMMODATE THE CONSTRUCTION OF THE REMAINING TEMPORARY PAVEMENT.

### MAINTENANCE OF TRAFFIC ON MAINLINE RAMPS

- RAMP SW
  - o MAINTAIN TRAVEL LANE ESTABLISHED IN CONTRACT 60W28. TRAFFIC MODIFICATION TO RAMP SW WILL BE REQUIRED. COORDINATION WITH CONTRACT 60W28 PRIOR TO ANY TRAFFIC ALTERATION.
- MORGAN ST EXIT RAMP (I-290 WB)
  - o MAINTAIN EXISTING RAMP CLOSURE PER CONTRACT 60W28. COORDINATION WITH CONTRACT 60W28 REQUIRED.
  - o TRAFFIC SHALL USE DETOUR PROVIDED VIA CONTRACT 60W28.
  - o THE CONTRACTOR UNDER 60W29 WILL USE ALL OR PORTIONS OF THE EXISTING EXIT RAMP FOR A STAGING AREA UNTIL NO LATER THAN APRIL 30, 2015. COORDINATION WITH CONTRACT 60W29 REQUIRED.

### MAINTENANCE OF TRAFFIC ON LOCAL STREETS

- MORGAN STREET, PEORIA STREET, SANGAMON STREET, TILDEN STREET AND ABERDEEN STREET ( NO TRAFFIC CONTROL IS ANTICIPATED )
  - o MAINTAIN ACCESS AT ALL TIMES TO ADJACENT DRIVEWAYS AND PROPERTIES NEAR AND IN THE CONSTRUCTION AREA.
  - o MAINTAIN EXISTING TRAVEL LANES.

### CONSTRUCTION TO BE COMPLETED IN STAGE 2B

- RELOCATE TEMPORARY CONCRETE BARRIERS AND BEGIN THE CONSTRUCTION OF TEMPORARY PAVEMENT (TO REMAIN) FROM STA 5245+00.00 TO STA 5246+95.53.
- MAINTAIN EXISTING DRAINAGE SYSTEMS AND LATERAL PIPES DURING MAIN DRAIN CONSTRUCTION WITHIN THE LIMIT OF IMPROVEMENT.
- COMPLETE THE CONSTRUCTION OF THE REMAINING 24' OF 78" MAIN DRAIN (BETWEEN PROPOSED PIER 8 AND PIER 9 (SN 016-1705)), CONTRACT 60W28) THAT TIES INTO THE MH CONSTRUCTED ALONG WB I-290 RIGHT SHOULDER IN CONTRACT 60W28. COORDINATION WITH CONTRACT 60W28 REQUIRED.
- INSTALL ADDITIONAL TEMPORARY CONCRETE BARRIER ALONG THE LEFT SIDE OF RAMP SW CONTINUING FROM CONTRACT 60W28 PRIOR TO 78" MAIN DRAIN CONSTRUCTION. REPAIR PAVEMENT AREAS AFFECTED BY THE 78" MAIN DRAIN WORK UTILIZING TEMPORARY PAVEMENT AT LOCATIONS AS SPECIFIED ON THE PLANS.
- BEGIN AND COMPLETE 78" MAIN DRAIN CONSTRUCTION BETWEEN STA 5228+29.85 AND STA 5229+00.00. THE CONSTRUCTION OF THIS PORTION OF THE MAIN DRAIN SHALL BE COMPLETED IN THIS STAGE DUE TO LIMITED WORK ZONE AREA AVAILABLE TO CONTRACTS 60W28 AND 60X61. COORDINATION WITH CONTRACT 60W28 REQUIRED.
- CONTINUE CONSTRUCTION OF RETAINING WALL 6 (SN 016-1725). THE CONTRACTOR SHALL TAKE PRECAUTION DURING THE CONSTRUCTION OF RETAINING WALL 6 SUCH THAT THERE IS NO DAMAGE TO THE NEWLY INSTALLED SURVEILLANCE CABINET G1 AND ASSOCIATED DUCTS, CONDUITS AND CABLES. EXTREME CAUTION SHALL BE USED TO ENSURE THAT THERE IS NO DAMAGE TO ADJACENT PROPERTIES DURING WALL CONSTRUCTION.
- CONTINUE CONSTRUCTION OF RETAINING WALL 7 (SN 016-1726).
- BEGIN CONSTRUCTION OF NOISE ABATEMENT WALL WHEN RW 6 IS SIGNIFICANTLY COMPLETED. THE CONTRACTOR SHALL TAKE PRECAUTION DURING THE CONSTRUCTION OF THE NOISE ABATEMENT WALL SUCH THAT THERE IS NO DAMAGE TO THE NEWLY INSTALLED SURVEILLANCE CABINET G1.

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN	
NARRATIVE	
SCALE:	SHEET 1 OF 2 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	53
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

**STAGING NARRATIVE**

**STAGE 2C**

MAINTENANCE OF TRAFFIC ALONG I-90/94 MAINLINE AND RAMP NW

- WB I-90/94 AND RAMP NW
  - o MAINTAIN EXISTING LANE RESTRICTIONS PER CONTRACT 60W26 AND CONTRACT 60W28.
  - o COORDINATION WITH CONTRACTS 60W26 AND 60W28 REQUIRED.

MAINTENANCE OF TRAFFIC ALONG I-290 MAINLINE

- WB I-290
  - o MAINTAIN EXISTING LANE RESTRICTIONS PER CONTRACT 60W26, CONTRACT 60W28 AND CONTRACT 60W29. COORDINATION WITH CONTRACT 60W26, CONTRACT 60W28 AND CONTRACT 60W29 REQUIRED.
  - o MAINTAIN 3 LANES OF TRAFFIC AS SHOWN ON THE PLANS.

MAINTENANCE OF TRAFFIC ON MAINLINE RAMPS

- RAMP SW
  - o MAINTAIN TRAVEL LANE ESTABLISHED IN CONTRACT 60W28. COORDINATION WITH CONTRACT 60W28 REQUIRED.
- MORGAN ST EXIT RAMP (I-290 WB)
  - o MAINTAIN EXISTING RAMP CLOSURE PER CONTRACT 60W28. COORDINATION WITH CONTRACT 60W28 REQUIRED.
  - o TRAFFIC SHALL USE DETOUR PROVIDED VIA CONTRACT 60W28.
  - o THE CONTRACTOR UNDER 60W29 WILL USE ALL OR PORTIONS OF THE EXISTING EXIT RAMP FOR A STAGING AREA UNTIL NO LATER THAN APRIL 30, 2015. COORDINATION WITH CONTRACT 60W29 REQUIRED.

MAINTENANCE OF TRAFFIC ON LOCAL STREETS

- MORGAN STREET, PEORIA STREET, SANGAMON STREET, TILDEN STREET AND ABERDEEN STREET ( NO TRAFFIC CONTROL IS ANTICIPATED )
  - o MAINTAIN ACCESS AT ALL TIMES TO ADJACENT DRIVEWAYS AND PROPERTIES NEAR AND IN THE CONSTRUCTION AREA.
  - o MAINTAIN EXISTING TRAVEL LANES.

CONSTRUCTION TO BE COMPLETED IN STAGE 2C

- MAINTAIN EXISTING DRAINAGE SYSTEMS AND LATERAL PIPES DURING MAIN DRAIN CONSTRUCTION WITHIN THE LIMIT OF IMPROVEMENT.
- THE CONTRACTOR SHALL REMOVE THE EXISTING 36" FEEDER MAIN WHERE IT CONFLICTS WITH TRENCH CONSTRUCTION BASED UPON THE CONTRACTOR'S OPERATIONS. THE REMAINING WATER MAIN SHALL BE PROPERLY CAPPED UNTIL THE WATER MAIN REPLACEMENT OCCURS AFTER THE 78" MAIN DRAIN INSTALLATION IS COMPLETE. SHUTDOWN OF THE WATER MAIN MUST BE COORDINATED AND SCHEDULED WITH CDWM.
- BEGIN AND COMPLETE 78" MAIN DRAIN CONSTRUCTION BETWEEN STA 5229+00.00 AND STA 5235+25.00. PORTIONS OF THIS SECTION OF MAIN DRAIN MAY BE ABLE TO BE INSTALLED IN EARLIER STAGES. INSTALL WATER MAIN REPLACEMENT AS SHOWN ON THE PLANS AFTER 78" MAIN DRAIN IS COMPLETE IN AREA OF WATER MAIN. REPAIR PAVEMENT AREAS AFFECTED BY THE 78" MAIN DRAIN WORK UTILIZING TEMPORARY PAVEMENT AT LOCATIONS AS SPECIFIED ON THE PLANS.
- UPON THE COMPLETION OF THE MAIN DRAIN, REMOVE TEMPORARY BLOCKAGES FROM THE PROPOSED MAIN DRAIN SEWER TO ALLOW PROPOSED DRAINAGE SYSTEM TO FLOW INTO THE PROPOSED MAIN DRAIN.
- CONSTRUCT AND COMPLETE THE INSTALLATION CONCRETE BARRIER WALL (SPECIAL) AND CONCRETE BARRIER TRANSITION STA 5227+94.07 TO STA 5229+00.00.
- COMPLETE CONSTRUCTION OF RETAINING WALL 6 (SN 016-1725). THE CONTRACTOR SHALL TAKE PRECAUTION DURING THE CONSTRUCTION OF RETAINING WALL 6 SUCH THAT THERE IS NO DAMAGE TO THE NEWLY INSTALLED SURVEILLANCE CABINET G1 AND ASSOCIATED DUCTS, CONDUITS AND CABLES. THE WALL SHALL NOT BE BACKFILLED UNTIL AFTER COMPLETION OF COLLECTOR AND LATERAL SEWER PIPE AND STRUCTURES IN FRONT OF THE WALL. EXTREME CAUTION SHALL BE USED TO ENSURE THAT THERE IS NO DAMAGE TO ADJACENT PROPERTIES DURING WALL CONSTRUCTION.
- COMPLETE CONSTRUCTION OF RETAINING WALL 7 (SN 016-1726).
- BEGIN AND COMPLETE CONSTRUCTION OF PROPOSED BARRIER WALL (SN 016-Z030) AFTER THE COMPLETION OF RETAINING WALL 7 (SN 016-1726).
- BEGIN AND COMPLETE CONSTRUCTION OF CONCRETE BARRIER, SINGLE FACE, 42" HEIGHT WEST OF MORGAN STREET.
- INSTALL REMAINING MISCELLANEOUS COLLECTOR DRAINAGE SYSTEMS AND LATERAL PIPES WITHIN THE LIMITS OF IMPROVEMENT.

**STAGE 2C (CONTINUED)**

- BEGIN AND COMPLETE THE CONSTRUCTION OF MORGAN STREET EXIT RAMP ROADWAY IMPROVEMENTS.
- BEGIN AND COMPLETE THE CONSTRUCTION OF WB I-290 AUXILIARY LANES ROADWAY IMPROVEMENTS (RAMP NW) INCLUDING ANY REMAINING TEMPORARY PAVEMENT (TO REMAIN) WITHIN THE PROJECT LIMITS.
- INSTALL TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY) ALONG THE LEFT SIDE OF RAMP NW, LIMITS AS SHOWN ON PLANS.
- UPON THE COMPLETION OF MORGAN STREET EXIT RAMP, COMPLETE THE SIGNAL TIMING PER PLANS AT THE TRAFFIC CONTROL SIGNAL AT THE TOP OF THE MORGAN STREET EXIT RAMP AND MORGAN STREET.
- INSTALL LIGHTING UNIT ALONG RETAINING WALLS 6 & 7. COORDINATION WITH RETAINING WALLS 6 & 7 CONSTRUCTION IS REQUIRED.
- INSTALL AND COMPLETE GROUND MOUNTED SIGNS AND BREAKAWAY STEEL SIGN SUPPORTS LOCATION AS SPECIFIED ON THE PLANS.
- COMPLETE ALL SIGNING AND FINAL STRIPING ACTIVITIES.
- OPEN ALL ROADWAYS IN COORDINATION WITH WORK UNDER CONTRACT 60W28.
- COMPLETE ALL SITE GRADING AND PERMANENT SEEDING.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN	
NARRATIVE	
SCALE: NONE	SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	54
<b>CONTRACT NO. 60X61</b>				
ILLINOIS FED. AID PROJECT				

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SCHEDULE**

STAGE	SHEET	WORK ZONE PAVEMENT MARKING REMOVAL	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	PAVEMENT MARKING REMOVAL	TEMPORARY CONCRETE BARRIER	TEMPORARY PAVEMENT MARKING - LINE 6"	RELOCATE TEMPORARY CONCRETE BARRIER	TEMPORARY EPOXY PAVEMENT MARKING - LINE 4"	TEMPORARY EPOXY PAVEMENT MARKING - LINE 5"	TEMPORARY EPOXY PAVEMENT MARKING - LINE 8"	TEMPORARY INFORMATION SIGNING
		SO FT	EACH	EACH	SO FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
1	1	0	0	0	0	0.0	0.0	0.0	0	0	0	25
	2	0	0	0	61	0.0	0.0	0.0	55	14	0	
	3	0	1	0	1,403	1062.5	1062.5	0.0	2,562	919	233	
	4	0	0	0	1,020	575.0	575.0	0.0	2,083	781	806	
2A	1	0	0	0	0	0.0	0.0	0.0	0	0	0	25
	2	0	0	0	0	0.0	0.0	0.0	0	0	0	
	3	835	0	1	0	0.0	0.0	425.0	989	247	0	
	4	1,029	0	0	0	0.0	0.0	787.5	1,953	489	0	
2B	1	0	0	0	0	0.0	0.0	0.0	0	0	0	25
	2	0	1	0	0	0.0	0.0	0.0	0	0	0	
	3	355	0	0	0	225.0	225.0	0.0	837	0	111	
	4	324	0	1	0	0.0	0.0	437.5	739	185	0	
2C	1	0	0	0	0	0.0	0.0	0.0	0	0	0	25
	2	1,979	2	0	0	950.0	950.0	0.0	1,684	95	113	
	3	3,972	0	0	0	462.5	462.5	850.0	2,699	644	0	
	4	0	0	0	0	0.0	0.0	0.0	0	0	0	
TOTAL		8,494	4	2	2,484	3,275	3,275	2,500	13,601	3,374	1,263	100
ALLOWANCE		1,275	4	8	249	300	300	363	1,361	338	127	
TOTAL WITH ALLOWANCE		9,769	8	10	2,733	3,575	3,575	2,862.5	14,962	3,712	1,390	100
ROUNDED TOTAL		<b>9,769</b>	<b>8</b>	<b>10</b>	<b>2,733</b>	<b>3,575</b>	<b>3,575</b>	<b>2,862.5</b>	<b>14,962</b>	<b>3,712</b>	<b>1,390</b>	<b>100</b>

**NOTE:**

- ① SEE ROADWAY SCHEDULE FOR ADDITIONAL QUANTITY.
- ② ADDED FOR ALLOWANCE FOR FIELD ADJUSTMENT

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND  
 TRAFFIC CONTROL PLAN - SCHEDULE**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	55
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				



**TEMPORARY DRAINAGE SCHEDULE**

<b>STAGE 1</b>														
STRUCTURE	LOCATION	OFFSET	(EDGE OF PAVEMENT, EDGE OF SHOULDER, FLOWLINE, 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 C, TYPE 1 FRAME, OPEN LID	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
												EACH	EACH	
<b>STAGE 1 - BASELINES ARE TAKEN FROM RAMP NW</b>														
TS-101 <sup>2</sup>	1849+38.74	6.03' RT	COS	576.58				572.70					1	
TS-102 <sup>2</sup>	1850+91.97	5.90' RT	COS	577.70				574.02					1	
TS-103 <sup>1</sup>	1858+74.66	12.91' LT	COS	577.33	572.55		571.80	571.29 (EX 18'")						1
TS-104 <sup>2</sup>	1858+76.55	1.58' RT	COS	576.99				572.64					1	
<b>TOTALS</b>												<b>3</b>	<b>1</b>	

PIPE	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	UPSTREAM INVERT ELEVATION	DOWNSTREAM INVERT ELEVATION	PIPE SLOPE (%)	STORM SEWERS, CLASS A, TYPE 2
						12"
						FOOT
<b>STAGE 1 - BASELINES ARE TAKEN FROM RAMP NW</b>						
TP-101 <sup>2</sup>	TS-101	CONCRETE COLLAR	572.70	571.80	4.50%	19
TP-102 <sup>2</sup>	TS-102	CONCRETE COLLAR	574.02	573.93	0.50%	18
TP-103A <sup>1</sup>	CONCRETE COLLAR	TS-103	572.23	571.80	0.50%	87
TP-104 <sup>2</sup>	TS-104	TS-103	572.64	572.55	0.50%	15
<b>ROUNDED TOTAL</b>						<b>139</b>

**NOTES:**

1. PROPOSED TEMPORARY DRAINAGE STRUCTURES AND PIPES SHALL BE IN PLACE PRIOR TO CONSTRUCTION OF PROPOSED 78" STORM SEWER.
2. PROPOSED TEMPORARY DRAINAGE STRUCTURES AND PIPES SHALL BE RESTORED AFTER THE PROPOSED 78" STORM SEWER IS COMPLETED AND BACKFILLED.
3. FOR CONCRETE COLLAR DETAILS, SEE IDOT DISTRICT 1 STANDARD BD-07.

**STAGE 2C**

STAGE 2C	STORM SEWER REMOVAL	REMOVING MANHOLES	REMOVING CATCH BASINS
	12"		
	FOOT	EACH	EACH
MOT - STAGE 2C - SHEET 3	37	-	2
MOT - STAGE 2C - SHEET 4	102	1	1
<b>ROUNDED TOTAL</b>	<b>139</b>	<b>1</b>	<b>3</b>

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**




**SUGGESTED STAGES OF CONSTRUCTION AND  
 TRAFFIC CONTROL PLAN - SCHEDULE**

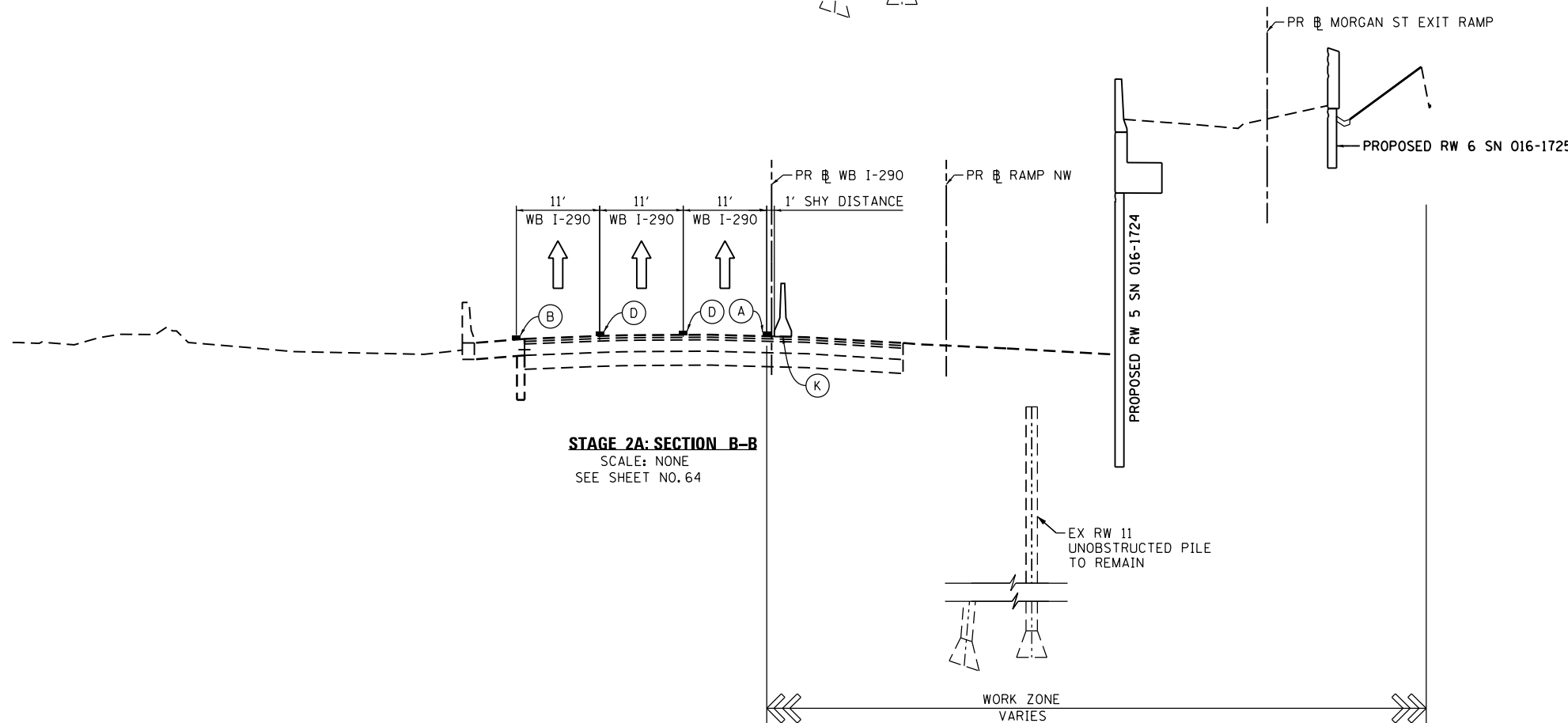
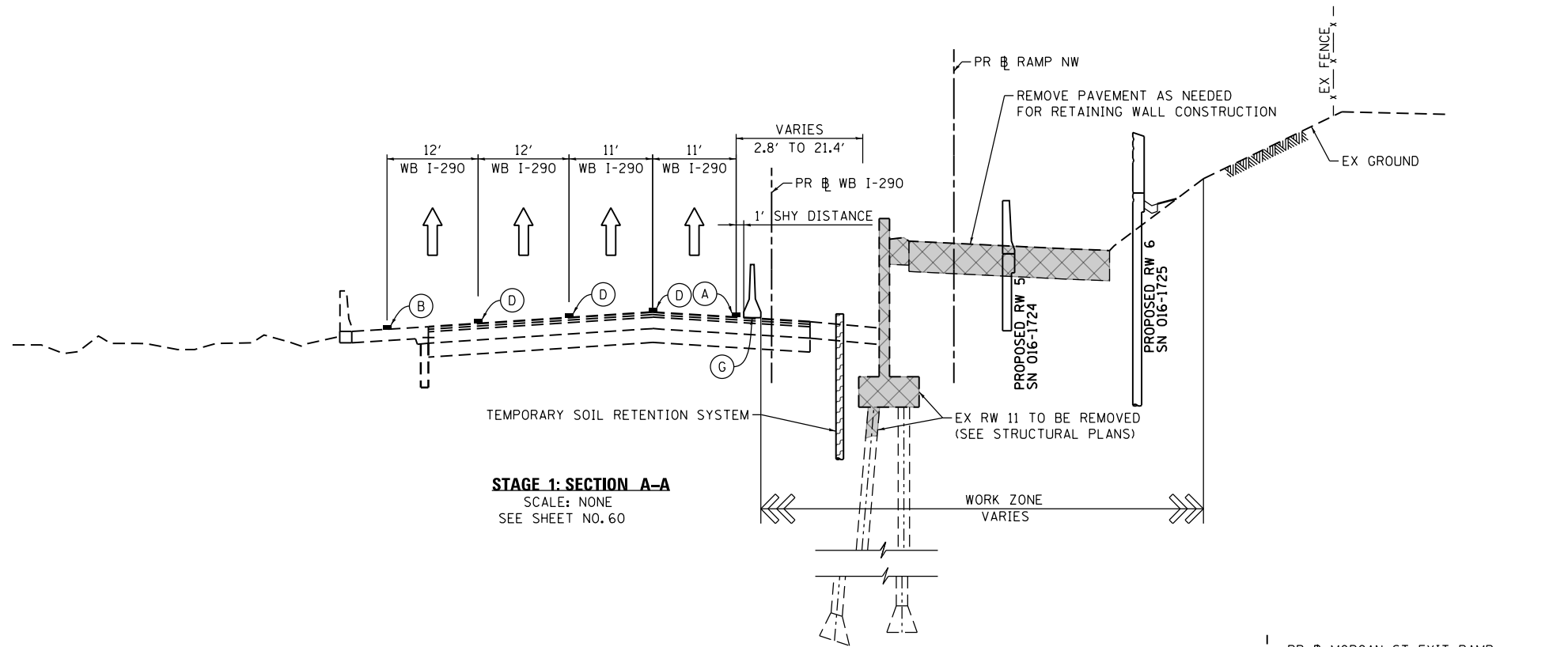
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	55A
<b>CONTRACT NO. 60X61</b>				
ILLINOIS FED. AID PROJECT				

**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) IMP ATTN TEMP FRN TL3
- (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) IMP ATTN REL FRN TL3
- (M) TEMP EPOXY PVT MK LINE 8 (3' DASH, 9' SKIP)

-  TEMPORARY CONCRETE BARRIER
-  REMOVAL LIMITS
-  TEMPORARY PAVEMENT



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**




**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN  
MAINLINE STAGING 1 & 2A TYPICAL SECTIONS**

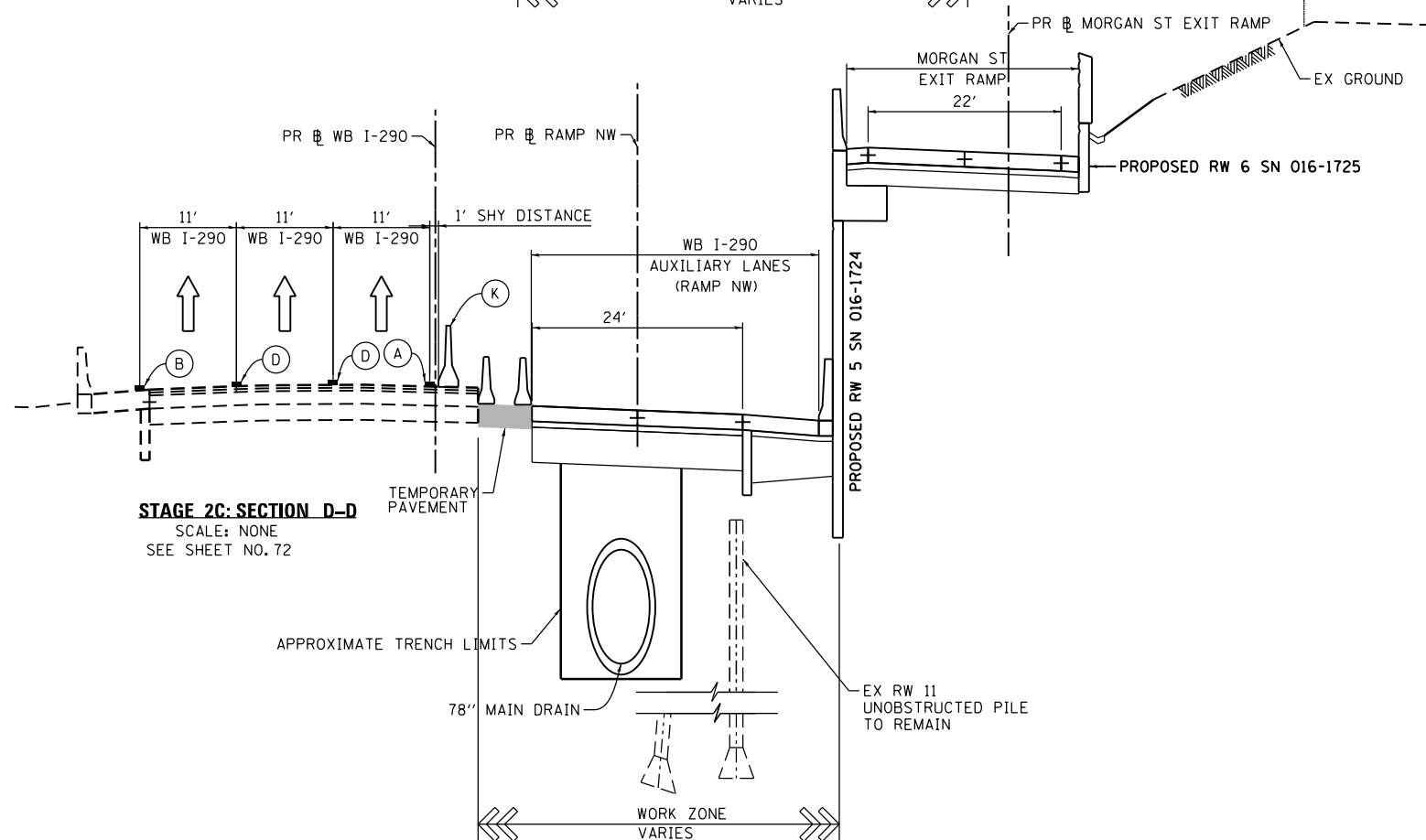
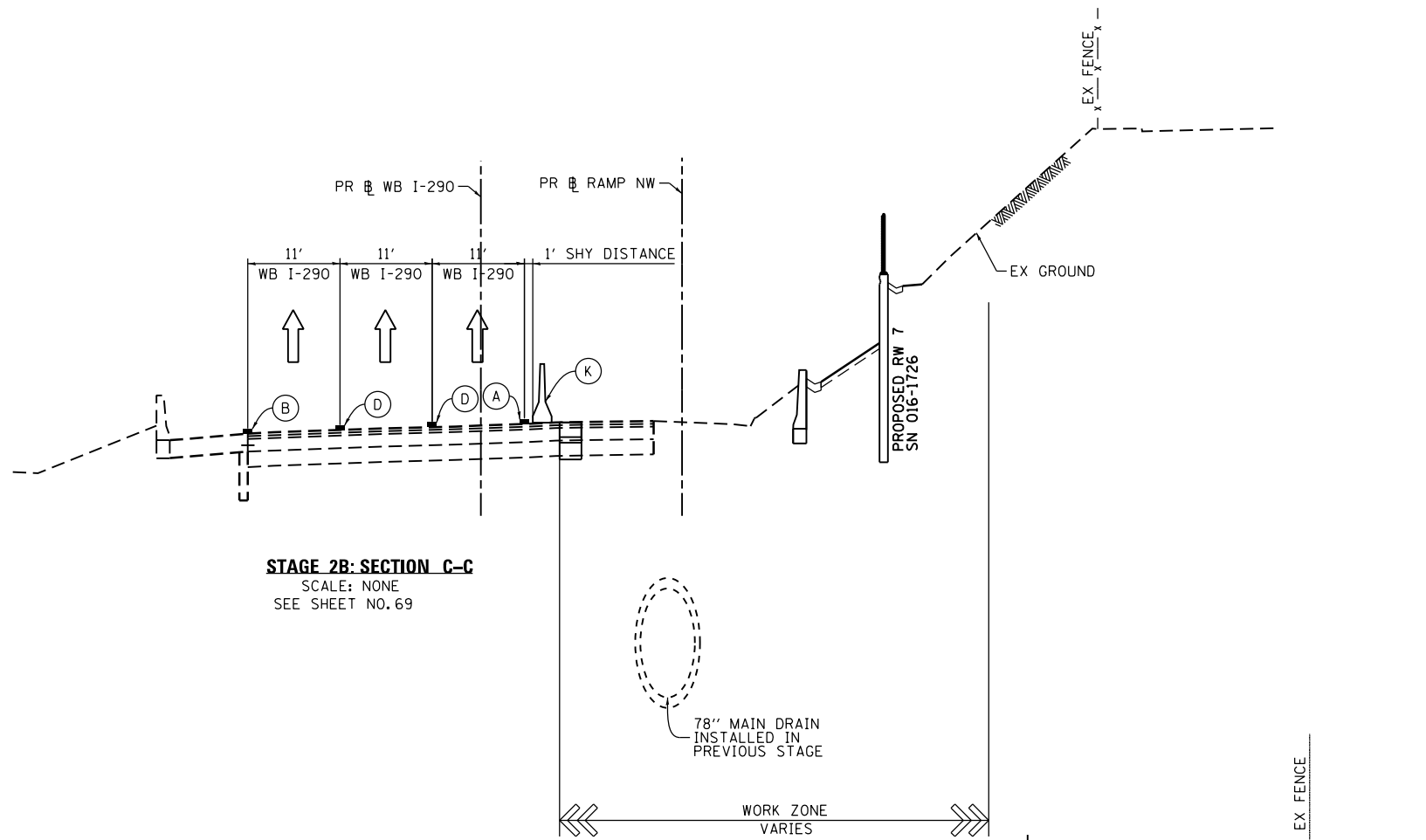
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	56
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

**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) IMP ATTN TEMP FRN TL3
- (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) IMP ATTN REL FRN TL3
- (M) TEMP EPOXY PVT MK LINE 8 (3' DASH, 9' SKIP)

-  TEMPORARY CONCRETE BARRIER
-  REMOVAL LIMITS
-  TEMPORARY PAVEMENT



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN  
MAINLINE STAGING 2B & 2C TYPICAL SECTIONS**

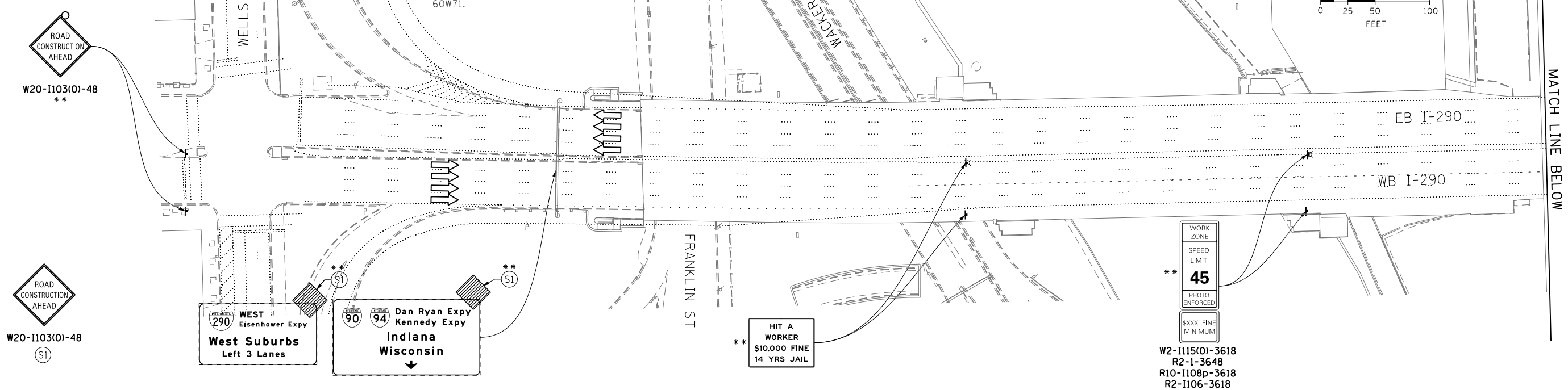
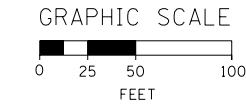
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	57
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

**NOTES:**

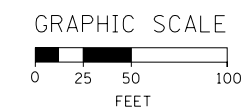
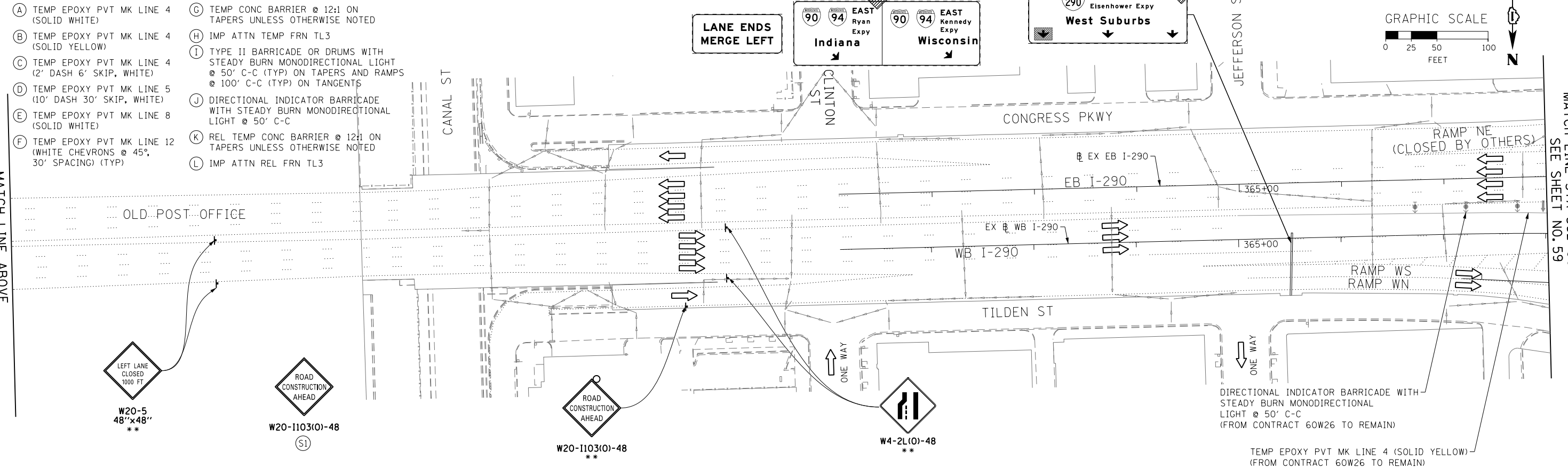
1. ALL TRAVEL LANES ON WB I-290 SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W26 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
2. ALL TRAVEL LANES ON RAMP NW SHALL TIE INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACT 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
3. UNLESS NOTED OTHERWISE ALL PAVEMENT MARKING AND SIGNS ARE FROM CONTRACTS 60W26, 60W28, 60W29 AND 60W71.
4. TRAFFIC MODIFICATION TO WB I-290 AND RAMP SW WILL BE REQUIRED. PRIOR TO ANY TRAFFIC ALTERATION THE CONTRACTOR MUST COORDINATE WITH CONTRACT 60W28. CONTRACTOR COOPERATION IS REQUIRED.
5. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS USED ARE TAKEN FROM THE EXISTING WB I-290 BASELINE.

\* FROM PREVIOUS TO REMAIN  
 \*\* FROM CONTRACTS 60W26 AND 60W28 TO REMAIN



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

- |   |   |
|---|---|
| (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)                              | (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED   |
| (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)                             | (H) IMP ATTN TEMP FRN TL3   |
| (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)                   | (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 |
| (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)                 | (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C  |
| (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)                              | (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED   |
| (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP) | (L) IMP ATTN REL FRN TL3  |



MATCH LINE ABOVE

MATCH LINE STA 362+00 EB I-290 SEE SHEET NO. 59



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DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN  
 MAINLINE STAGING 1**  
 SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. TO STA.

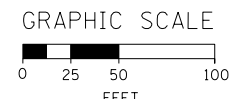
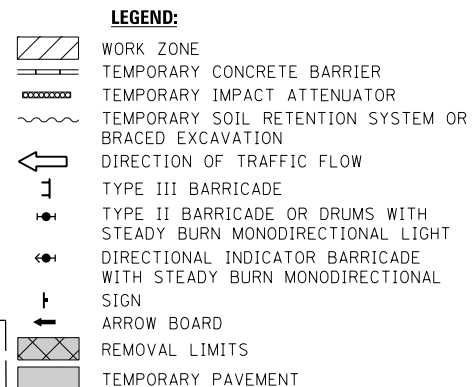
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90/94/290	2013-077R	COOK	317	58
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

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STAGE 1 - TC-01

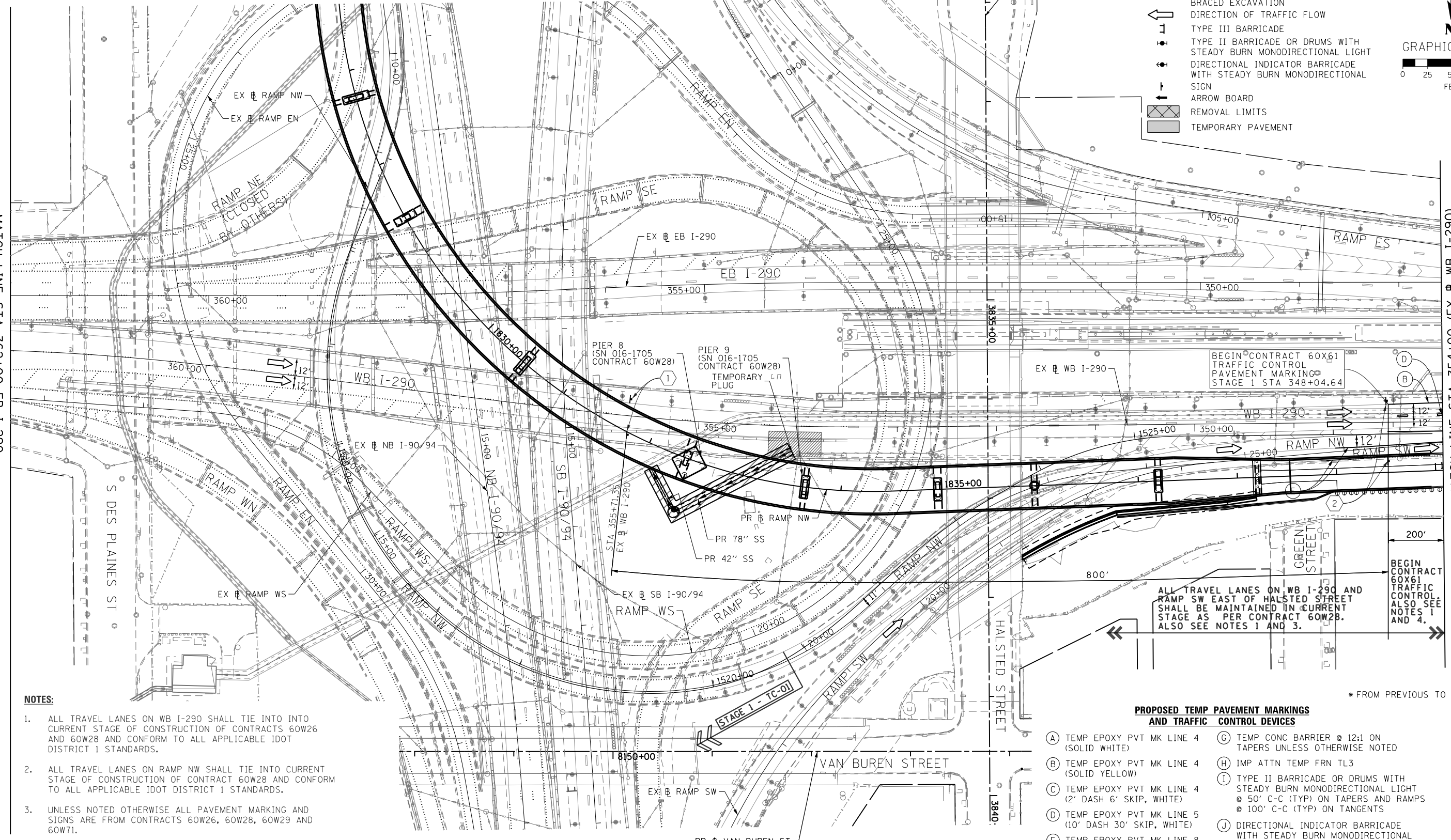
ALL LANE WIDTH RESTRICTION SHALL TIE INTO CONTRACT 60W28 (SEE NOTES 2 & 3) (CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL WITH OTHER ADJACENT CONTRACTS WHICH MAY BE UNDER CONSTRUCTION DURING THE DURATION OF THIS PROJECT)

\* FROM PREVIOUS TO REMAIN  
\*\* FROM CONTRACTS 60W26 AND 60W28 TO REMAIN



MATCH LINE STA 362+00 EB I-290 SEE SHEET NO. 58

MATCH LINE STA 354+00 (EX) WB I-290 SEE SHEET NO. 60



NOTES:

- ALL TRAVEL LANES ON WB I-290 SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W26 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
- ALL TRAVEL LANES ON RAMP NW SHALL TIE INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACT 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
- UNLESS NOTED OTHERWISE ALL PAVEMENT MARKING AND SIGNS ARE FROM CONTRACTS 60W26, 60W28, 60W29 AND 60W71.
- TRAFFIC MODIFICATION TO WB I-290 AND RAMP SW WILL BE REQUIRED. PRIOR TO ANY TRAFFIC ALTERATION THE CONTRACTOR MUST COORDINATE WITH CONTRACT 60W28. CONTRACTOR COOPERATION IS REQUIRED.
- UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS USED ARE TAKEN FROM THE EXISTING WB I-290 BASELINE.

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) IMP ATTN TEMP FRN TL3
- (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) IMP ATTN REL FRN TL3

\* FROM PREVIOUS TO REMAIN

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DATE - 10/17/14	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN  
MAINLINE STAGING 1

SCALE: 1" = 50' SHEET 2 OF 4 SHEETS STA. TO STA.

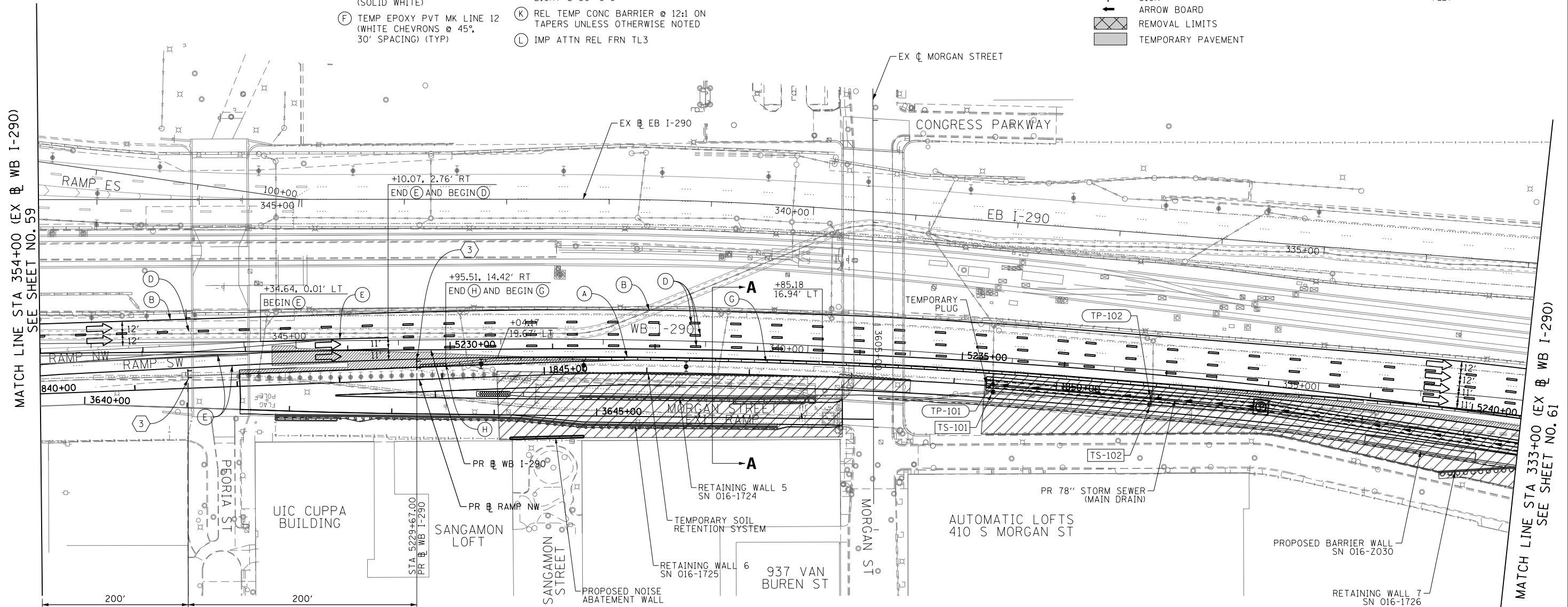
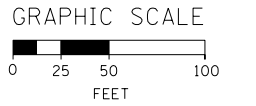
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90/94/290	2013-077R	COOK	317	59
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

\* FROM PREVIOUS TO REMAIN  
 \*\* FROM CONTRACTS 60W26 AND 60W28 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) IMP ATTN TEMP FRN TL3
- (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) IMP ATTN REL FRN TL3

- 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



MATCH LINE STA 354+00 (EX @ WB I-290) SEE SHEET NO. 59

MATCH LINE STA 333+00 (EX @ WB I-290) SEE SHEET NO. 61

**NOTES:**

- ALL TRAVEL LANES ON WB I-290 SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W26 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
- ALL TRAVEL LANES ON RAMP NW SHALL TIE INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACT 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
- UNLESS NOTED OTHERWISE ALL PAVEMENT MARKING AND SIGNS ARE FROM CONTRACTS 60W26, 60W28, 60W29 AND 60W71.
- TRAFFIC MODIFICATION TO WB I-290 AND RAMP SW WILL BE REQUIRED. PRIOR TO ANY TRAFFIC ALTERATION THE CONTRACTOR MUST COORDINATE WITH CONTRACT 60W28. CONTRACTOR COOPERATION IS REQUIRED.
- UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS USED ARE TAKEN FROM THE EXISTING WB I-290 BASELINE.

SEE SHEET 56 FOR SECTION A-A



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DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

SCALE: 1" = 50' SHEET 3 OF 4 SHEETS STA. TO STA.

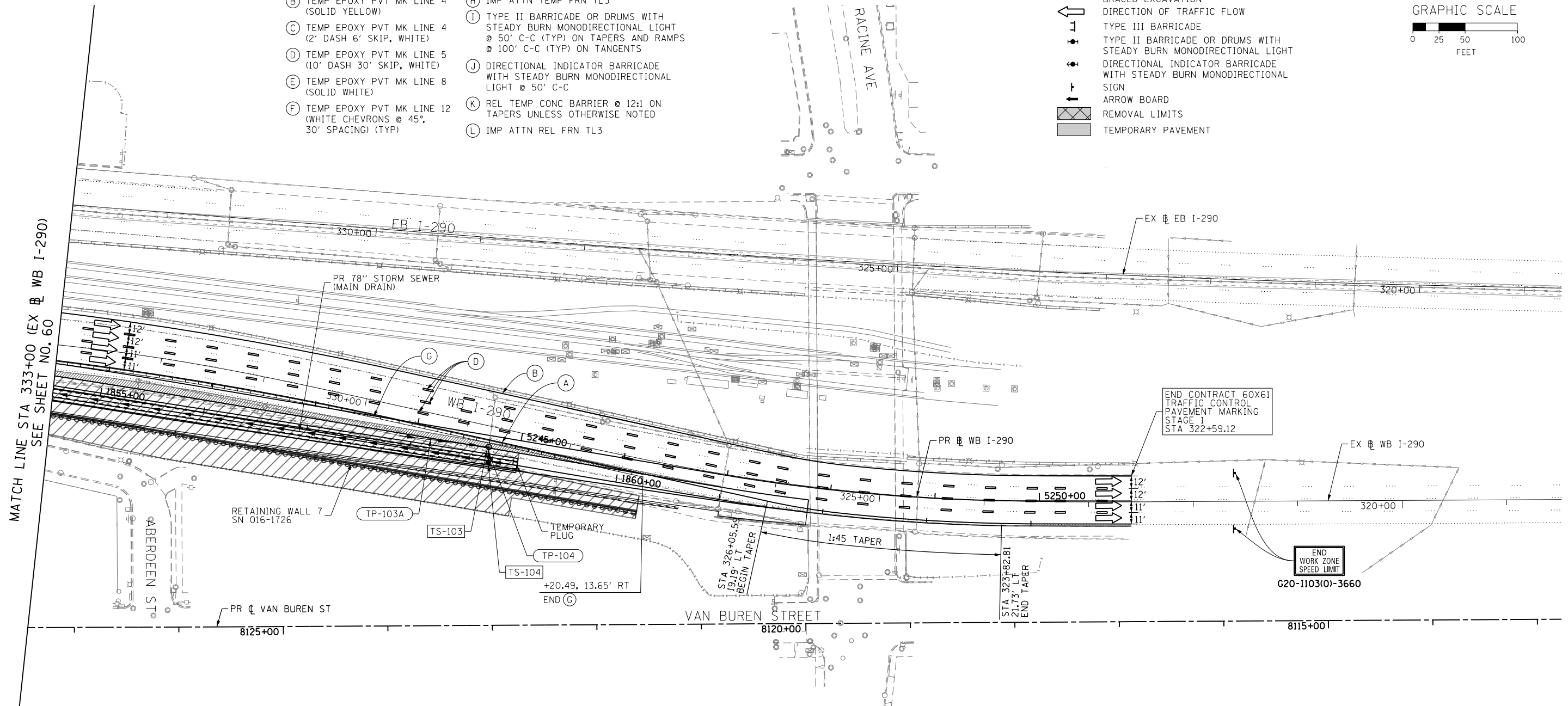
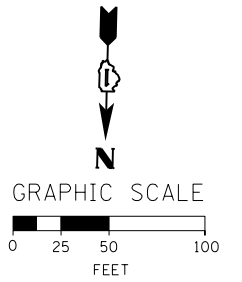
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CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

\* FROM PREVIOUS TO REMAIN  
 \*\* FROM CONTRACTS 60W26 AND 60W28 TO REMAIN

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

- |   |   |
|---|---|
| (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)                              | (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED   |
| (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)                             | (H) IMP ATTN TEMP FRN TL3   |
| (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)                   | (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 |
| (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)                 | (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C  |
| (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)                              | (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED   |
| (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP) | (L) IMP ATTN REL FRN TL3  |

- 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



**NOTES:**

1. ALL TRAVEL LANES ON WB I-290 SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W26 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
2. ALL TRAVEL LANES ON RAMP NW SHALL TIE INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACT 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
3. UNLESS NOTED OTHERWISE ALL PAVEMENT MARKING AND SIGNS ARE FROM CONTRACTS 60W26, 60W28, 60W29 AND 60W71.
4. TRAFFIC MODIFICATION TO WB I-290 AND RAMP SW WILL BE REQUIRED. PRIOR TO ANY TRAFFIC ALTERATION THE CONTRACTOR MUST COORDINATE WITH CONTRACT 60W28. CONTRACTOR COOPERATION IS REQUIRED.
5. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS USED ARE TAKEN FROM THE EXISTING WB I-290 BASELINE.

FILE PATH = C:\Users\dshveoz\Desktop\60X61\MDT\0160X61-sht-Staging-04.dgn



D160X61-sht-Staging-04.dgn  
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 PLOT DATE = 10/16/2014

DESIGNED - OPS	REVISED -
DRAWN - OPS	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

SCALE: 1" = 50' SHEET 4 OF 4 SHEETS STA. TO STA.

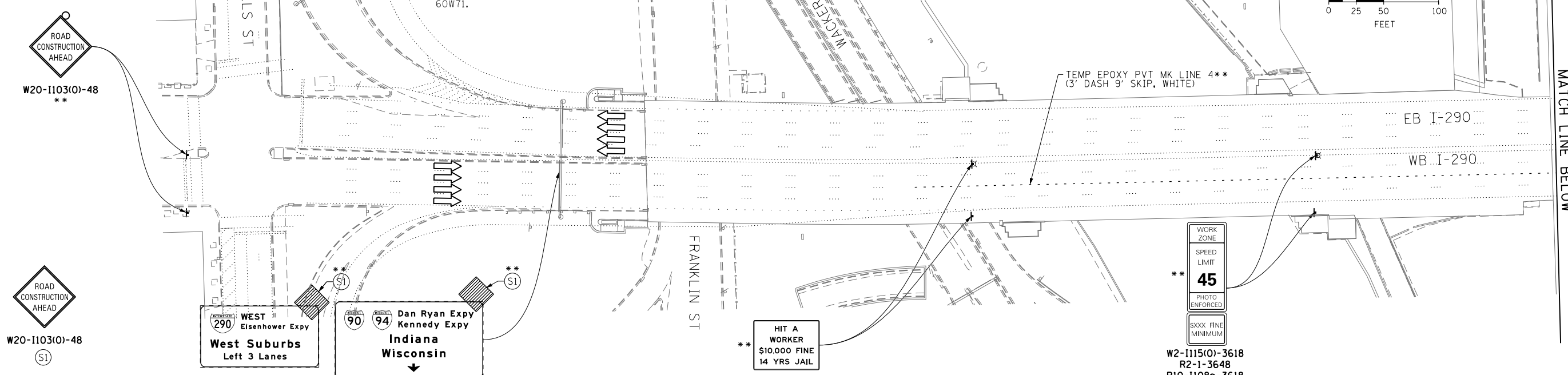
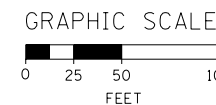
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	61
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				



**NOTES:**

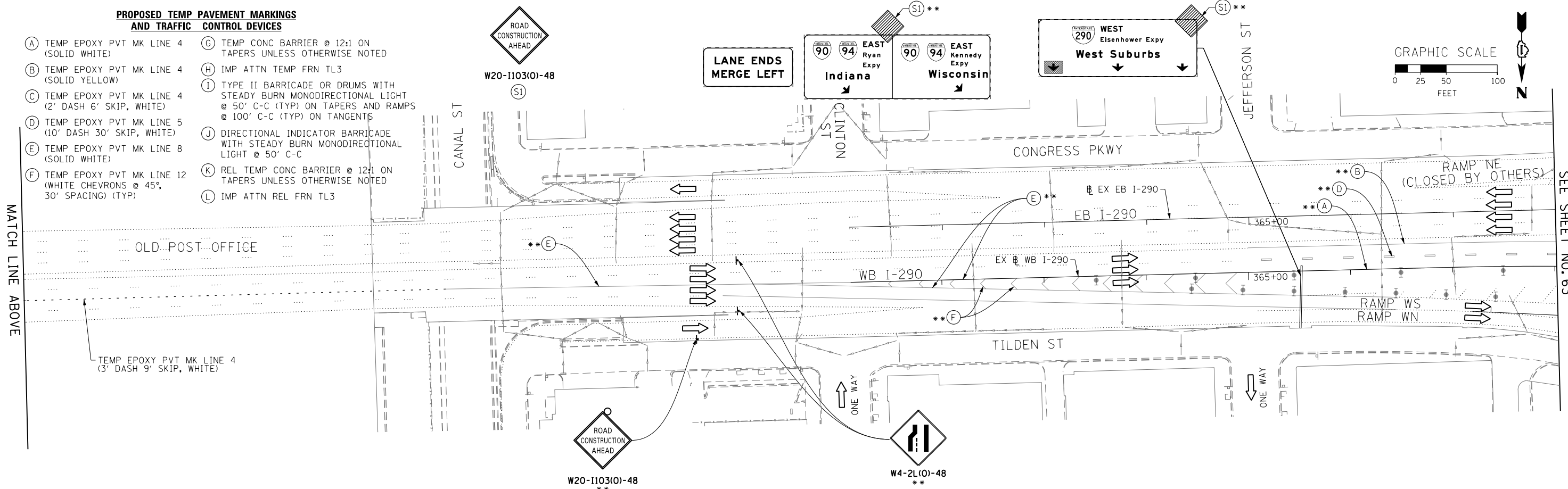
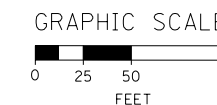
1. ALL TRAVEL LANES ON WB I-290 SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W26 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
2. ALL TRAVEL LANES ON RAMP NW SHALL TIE INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACT 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
3. UNLESS NOTED OTHERWISE ALL PAVEMENT MARKING AND SIGNS ARE FROM CONTRACTS 60W26, 60W28, 60W29 AND 60W71.
4. TRAFFIC MODIFICATION TO WB I-290 AND RAMP SW WILL BE REQUIRED. PRIOR TO ANY TRAFFIC ALTERATION THE CONTRACTOR MUST COORDINATE WITH CONTRACT 60W28. CONTRACTOR COOPERATION IS REQUIRED.
5. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS USED ARE TAKEN FROM THE EXISTING WB I-290 BASELINE.

\* FROM PREVIOUS TO REMAIN  
 \*\* FROM CONTRACTS 60W26 AND 60W28 TO REMAIN



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

- |   |   |
|---|---|
| (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)                              | (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED   |
| (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)                             | (H) IMP ATTN TEMP FRN TL3   |
| (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)                   | (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 |
| (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)                 | (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C  |
| (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)                              | (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED   |
| (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP) | (L) IMP ATTN REL FRN TL3  |



FILE PATH = C:\Users\dishveoz\Desktop\60X61 MDT\160X61-Sht-Staging2A-01.dgn



D160X61-Sht-Staging2A-01.dgn  
 USER NAME = dishveoz  
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 PLOT DATE = 10/16/2014

DESIGNED - OPS	REVISED -
DRAWN - OPS	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN  
 MAINLINE STAGING 2A**

SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 62
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

MATCH LINE BELOW

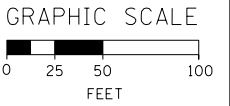
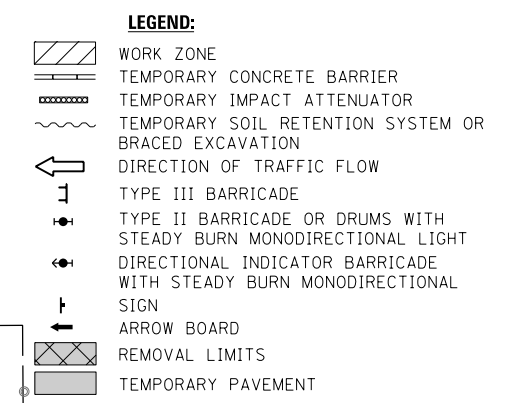
MATCH LINE STA 362+00 EB I-290  
SEE SHEET NO. 63



STAGE 2A - TC-01

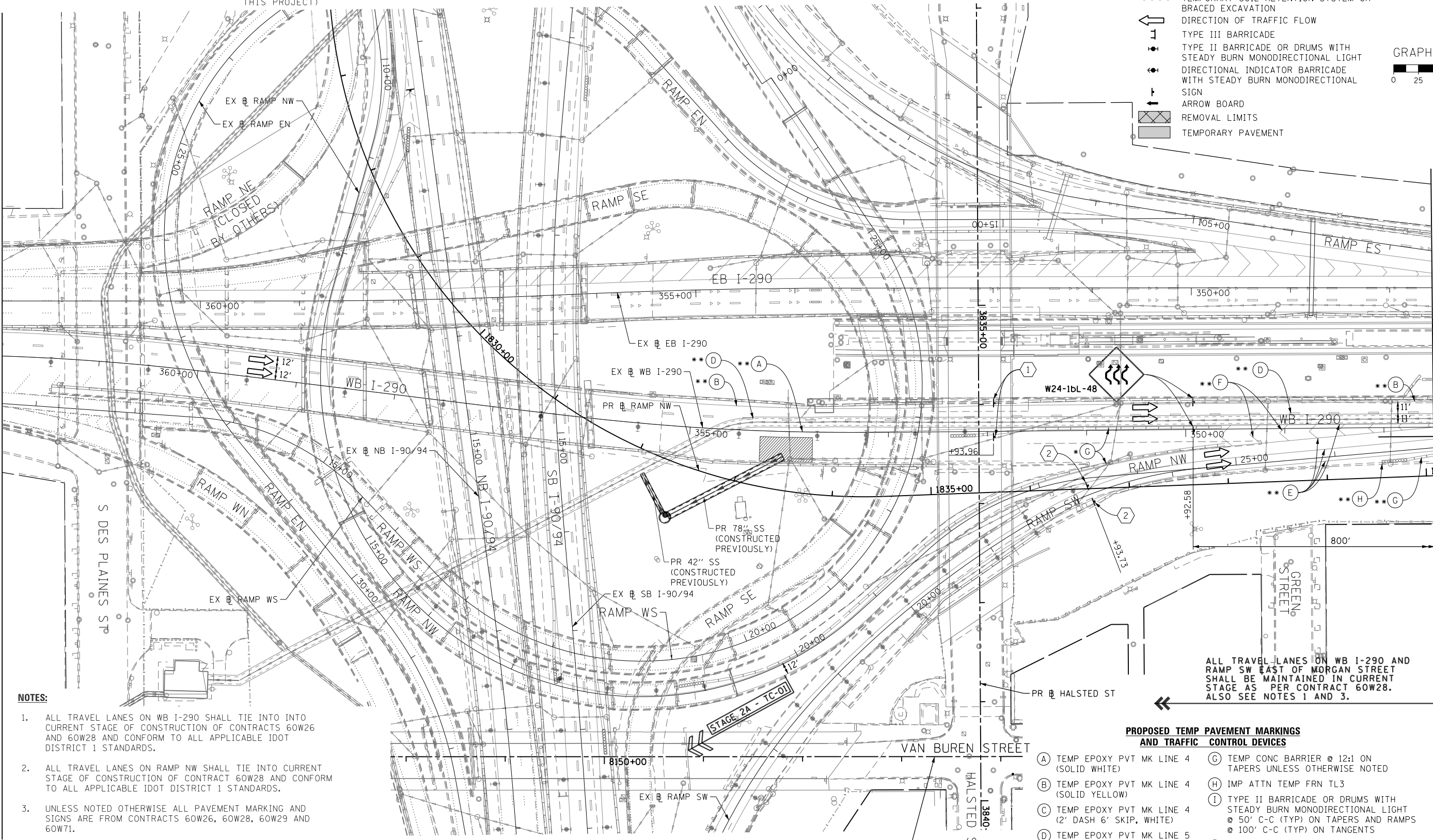
**ALL LANE WIDTH RESTRICTION SHALL TIE INTO CONTRACT 60W28 (SEE NOTES 2 & 3)**  
 (CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL WITH OTHER ADJACENT CONTRACTS WHICH MAY BE UNDER CONSTRUCTION DURING THE DURATION OF THIS PROJECT)

\* FROM PREVIOUS TO REMAIN  
 \*\* FROM CONTRACTS 60W26 AND 60W28 TO REMAIN



MATCH LINE STA 362+00 EB I-290  
 SEE SHEET NO. 62

MATCH LINE STA 354+00 (EX) WB I-290  
 SEE SHEET NO. 64



**NOTES:**

- ALL TRAVEL LANES ON WB I-290 SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W26 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
- ALL TRAVEL LANES ON RAMP NW SHALL TIE INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACT 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
- UNLESS NOTED OTHERWISE ALL PAVEMENT MARKING AND SIGNS ARE FROM CONTRACTS 60W26, 60W28, 60W29 AND 60W71.
- TRAFFIC MODIFICATION TO WB I-290 AND RAMP SW WILL BE REQUIRED. PRIOR TO ANY TRAFFIC ALTERATION THE CONTRACTOR MUST COORDINATE WITH CONTRACT 60W28. CONTRACTOR COOPERATION IS REQUIRED.
- UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS USED ARE TAKEN FROM THE EXISTING WB I-290 BASELINE.

**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) IMP ATTN TEMP FRN TL3
- (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) IMP ATTN REL FRN TL3

ALL TRAVEL LANES ON WB I-290 AND RAMP SW EAST OF MORGAN STREET SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60W28. ALSO SEE NOTES 1 AND 3.

FILE PATH = C:\Users\dishevoz\Desktop\60X61\MDT\160X61-sht-Staging2A-02.dgn



D160X61-sht-Staging2A-02.dgn  
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 PLOT DATE = 10/16/2014

DESIGNED - OPS	REVISED -
DRAWN - OPS	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/17/14	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN**  
**MAINLINE STAGING 2A**  
 SCALE: 1" = 50' SHEET 2 OF 4 SHEETS STA. TO STA.

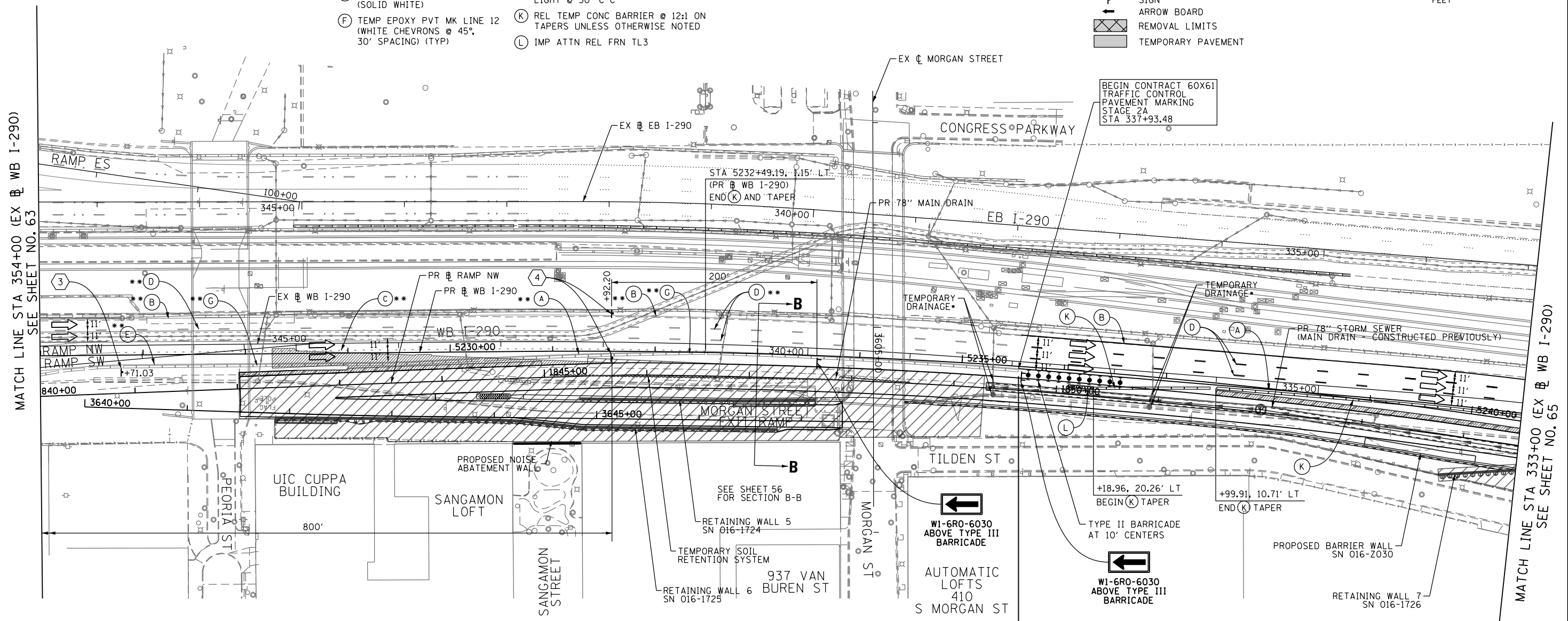
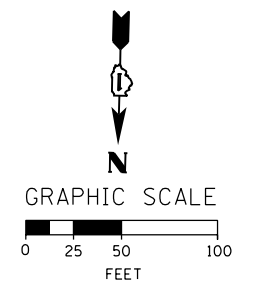
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	63
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

\* FROM PREVIOUS TO REMAIN  
 \*\* FROM CONTRACTS 60W26 AND 60W28 TO REMAIN

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

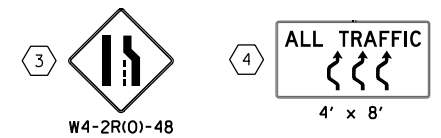
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMP ATTN TEMP FRN TL3
- (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) IMP ATTN REL FRN TL3

- 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



**NOTES:**

1. ALL TRAVEL LANES ON WB I-290 SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W26 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
2. ALL TRAVEL LANES ON NB I-90/94, RAMP NW AND RAMP NE SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W71 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
3. UNLESS NOTED OTHERWISE ALL PAVEMENT MARKING AND SIGNS ARE FROM CONTRACTS 60W26, 60W28, 60W29 AND 60W71.
4. TRAFFIC MODIFICATION TO WB I-290 AND RAMP SW WILL BE REQUIRED. PRIOR TO ANY TRAFFIC ALTERATION THE CONTRACTOR MUST COORDINATE WITH CONTRACT 60W28. CONTRACTOR COOPERATION IS REQUIRED.
5. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS USED ARE TAKEN FROM EXISTING EB AND WB I-290 BASELINES.



ALL TRAVEL LANES ON WB I-290 AND RAMP SW EAST OF MORGAN STREET SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60W28. ALSO SEE NOTES 1 AND 3.

BEGIN CONTRACT 60X61 TRAFFIC CONTROL. ALSO SEE NOTES 1 AND 4.



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 PLOT SCALE = 100.0000' / 1" =  
 PLOT DATE = 12/5/2014

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DRAWN - OPS	REVISED -
CHECKED - DBM	REVISED -
DATE - 12/05/14	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN	
MAINLINE STAGING 2A	
SCALE: 1" = 50'	SHEET 3 OF 4 SHEETS
STA.	TO STA.

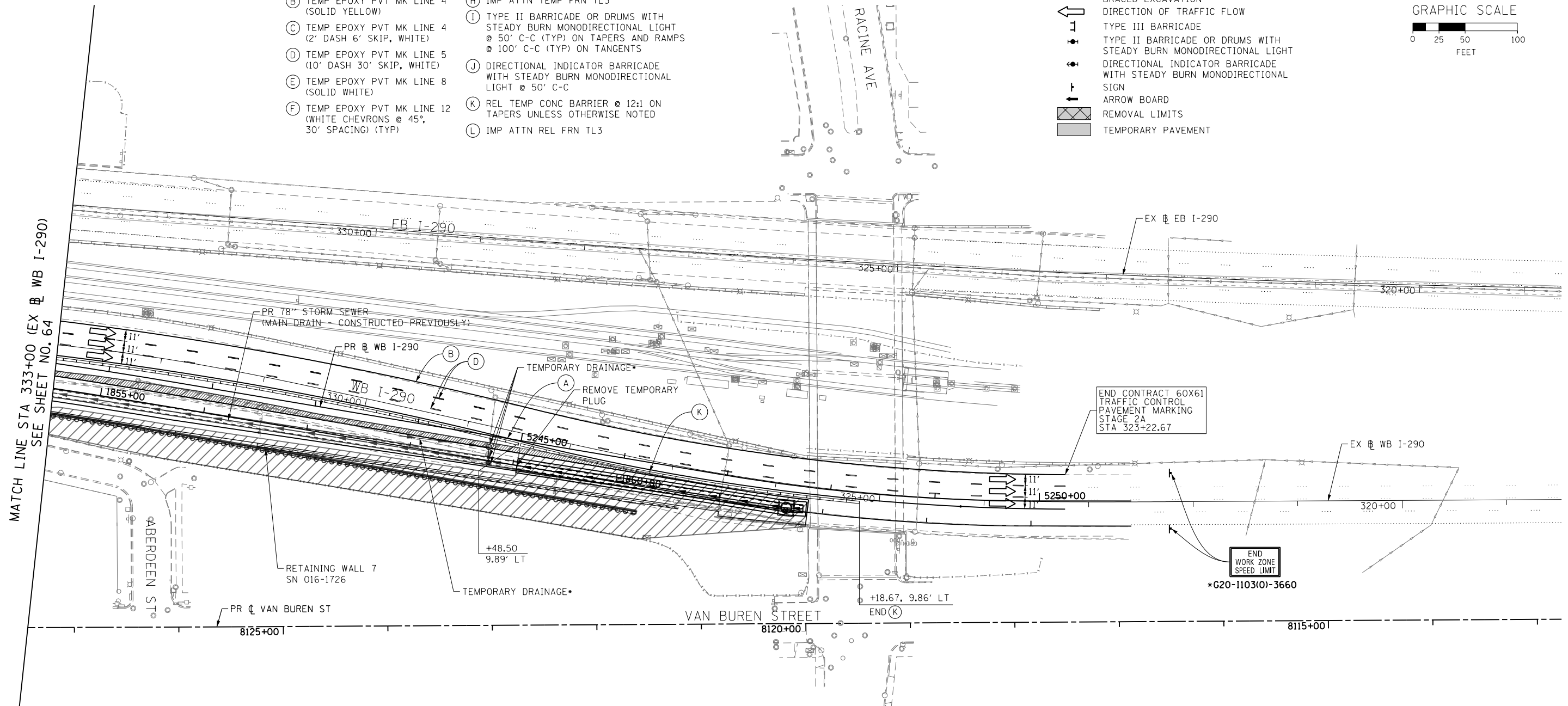
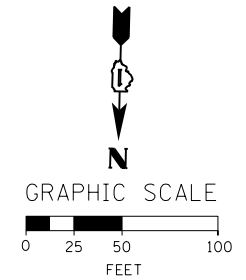
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	64
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

\* FROM PREVIOUS TO REMAIN  
 \*\* FROM CONTRACTS 60W26 AND 60W28 TO REMAIN

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

- |   |  |
|---|--|
| (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)                              | (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED  |
| (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)                             | (H) IMP ATTN TEMP FRN TL3  |
| (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)                   | (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 |
| (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)                 | (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C   |
| (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)                              | (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED  |
| (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP) | (L) IMP ATTN REL FRN TL3   |

- 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



**NOTES:**

1. ALL TRAVEL LANES ON WB I-290 SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W26 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
2. ALL TRAVEL LANES ON NB I-90/94, RAMP NW AND RAMP NE SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W71 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
3. UNLESS NOTED OTHERWISE ALL PAVEMENT MARKING AND SIGNS ARE FROM CONTRACTS 60W26, 60W28, 60W29 AND 60W71.
4. TRAFFIC MODIFICATION TO WB I-290 AND RAMP SW WILL BE REQUIRED. PRIOR TO ANY TRAFFIC ALTERATION THE CONTRACTOR MUST COORDINATE WITH CONTRACT 60W28. CONTRACTOR COOPERATION IS REQUIRED.
5. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS USED ARE TAKEN FROM EXISTING EB AND WB I-290 BASELINES.

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 PLOT DATE = 10/16/2014

DESIGNED - OPS	REVISED -
DRAWN - OPS	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN  
 MAINLINE STAGING 2A**

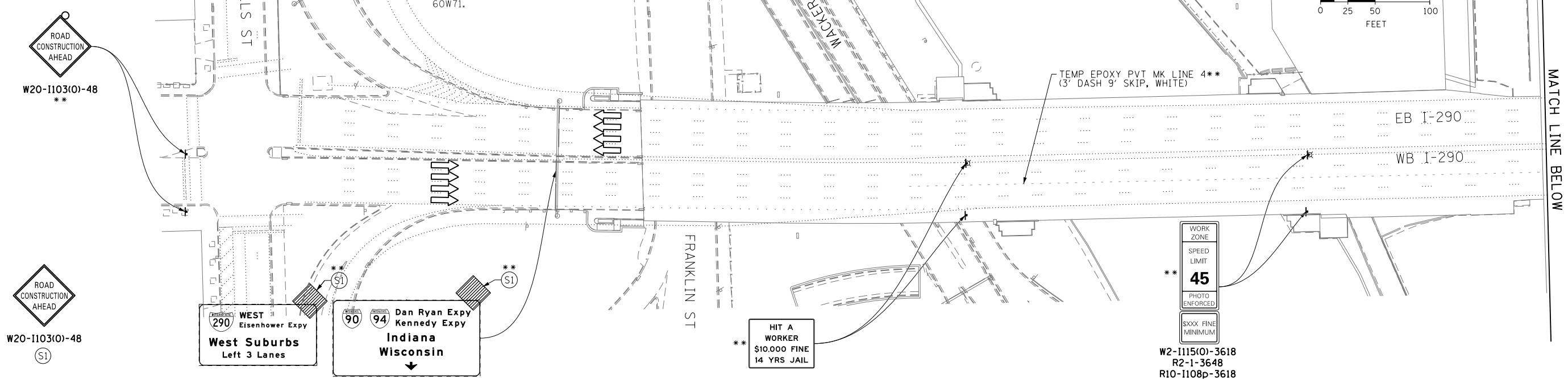
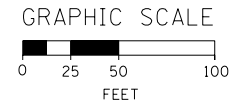
SCALE: 1" = 50' SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	65
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

**NOTES:**

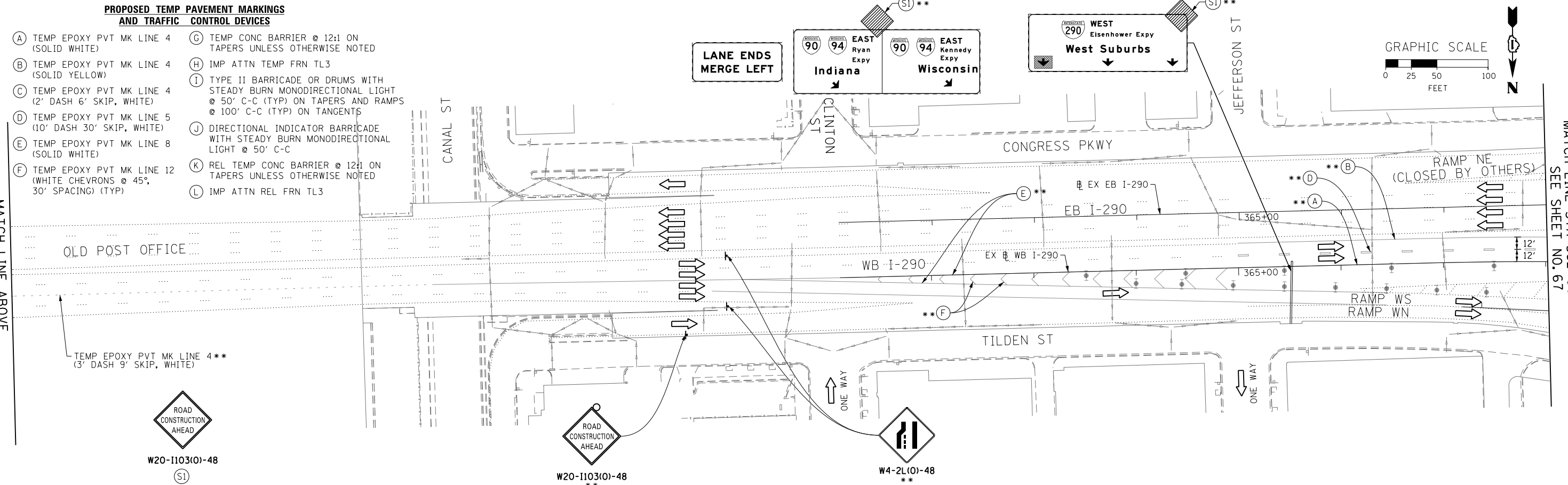
1. ALL TRAVEL LANES ON WB I-290 SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W26 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
2. ALL TRAVEL LANES ON RAMP NW SHALL TIE INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACT 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
3. UNLESS NOTED OTHERWISE ALL PAVEMENT MARKING AND SIGNS ARE FROM CONTRACTS 60W26, 60W28, 60W29 AND 60W71.
4. TRAFFIC MODIFICATION TO WB I-290 AND RAMP SW WILL BE REQUIRED. PRIOR TO ANY TRAFFIC ALTERATION THE CONTRACTOR MUST COORDINATE WITH CONTRACT 60W28. CONTRACTOR COOPERATION IS REQUIRED.
5. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS USED ARE TAKEN FROM THE EXISTING WB I-290 BASELINE.

\* FROM PREVIOUS TO REMAIN  
 \*\* FROM CONTRACTS 60W26 AND 60W28 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) IMP ATTN TEMP FRN TL3
- (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) IMP ATTN REL FRN TL3



MATCH LINE ABOVE

MATCH LINE STA 362+00 EB I-290 SEE SHEET NO. 67



D:\6061-Sht-Staging2B-01.dgn  
 USER NAME = dishevo  
 PLOT SCALE = 50.0000' / in.  
 PLOT DATE = 10/16/2014

DESIGNED - OPS  
 DRAWN - OPS  
 CHECKED - DBM  
 DATE - 10/17/14

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN  
 MAINLINE STAGING 2B**

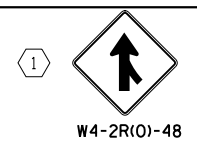
SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 66
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

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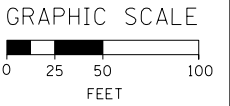


**STAGE 2B - TC-01** **ALL LANE WIDTH RESTRICTION SHALL TIE INTO CONTRACT 60W28 (SEE NOTES 2 & 3)**  
 (CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL WITH OTHER ADJACENT CONTRACTS WHICH MAY BE UNDER CONSTRUCTION DURING THE DURATION OF THIS PROJECT)



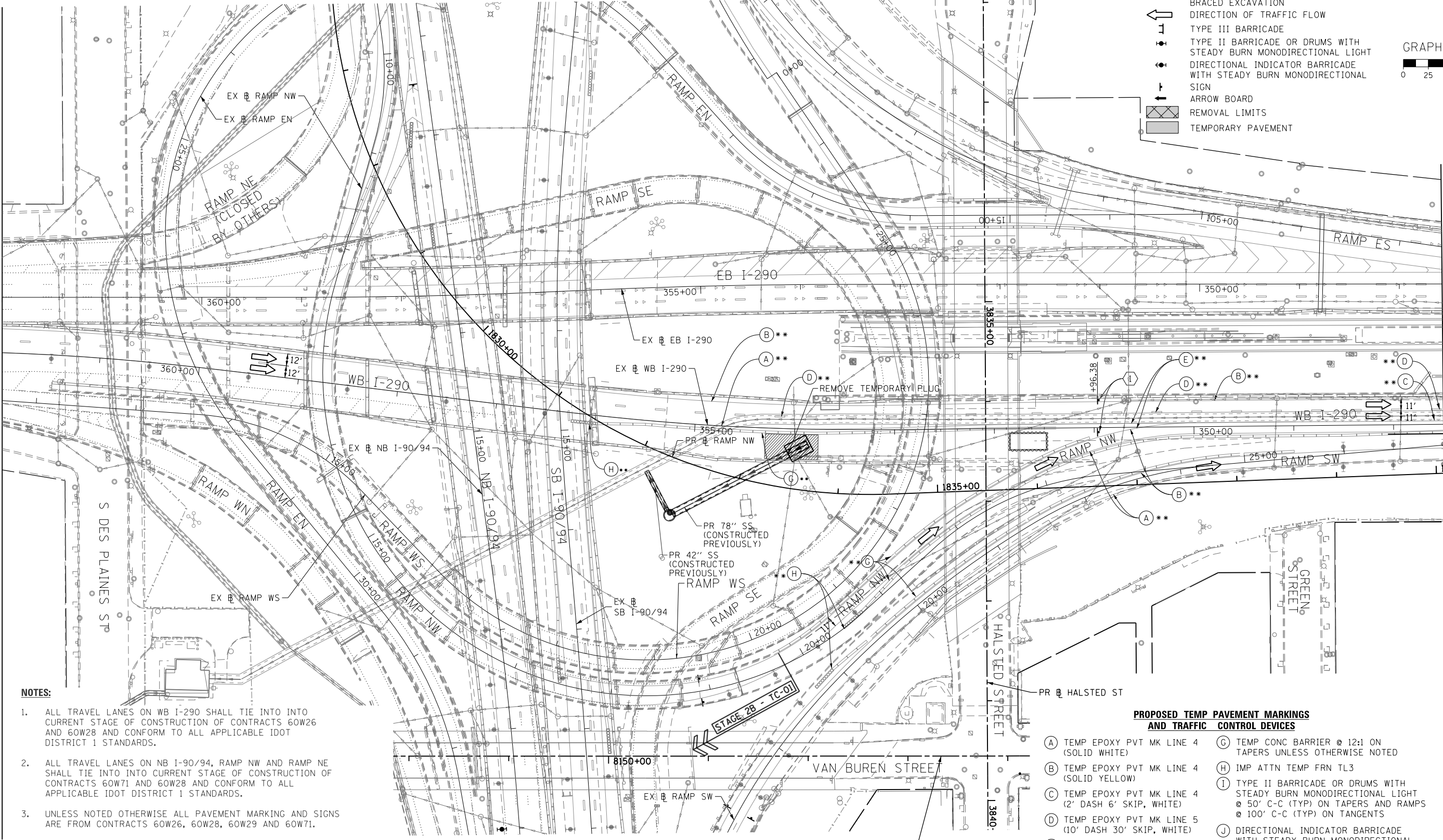
\* FROM PREVIOUS TO REMAIN  
 \*\* FROM CONTRACTS 60W26 AND 60W28 TO REMAIN

- 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
  - SIGN
  - ARROW BOARD
  - REMOVAL LIMITS
  - TEMPORARY PAVEMENT



MATCH LINE STA 362+00 EB I-290 SEE SHEET NO. 66

MATCH LINE STA 354+00 (EX) WB I-290 SEE SHEET NO. 68



- NOTES:**
- ALL TRAVEL LANES ON WB I-290 SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W26 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
  - ALL TRAVEL LANES ON NB I-90/94, RAMP NW AND RAMP NE SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W71 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
  - UNLESS NOTED OTHERWISE ALL PAVEMENT MARKING AND SIGNS ARE FROM CONTRACTS 60W26, 60W28, 60W29 AND 60W71.
  - TRAFFIC MODIFICATION TO WB I-290 AND RAMP SW WILL BE REQUIRED. PRIOR TO ANY TRAFFIC ALTERATION THE CONTRACTOR MUST COORDINATE WITH CONTRACT 60W28. CONTRACTOR COOPERATION IS REQUIRED.
  - UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS USED ARE TAKEN FROM EXISTING EB AND WB I-290 BASELINES.

- 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) IMP ATTN TEMP FRN TL3
  - (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) IMP ATTN REL FRN TL3

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DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN  
 MAINLINE STAGING 2B**  
 SCALE: 1" = 50' SHEET 2 OF 4 SHEETS STA. TO STA.

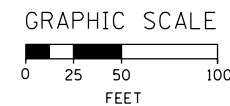
F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 67
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

**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) IMP ATTN TEMP FRN TL3
- (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) IMP ATTN REL FRN TL3

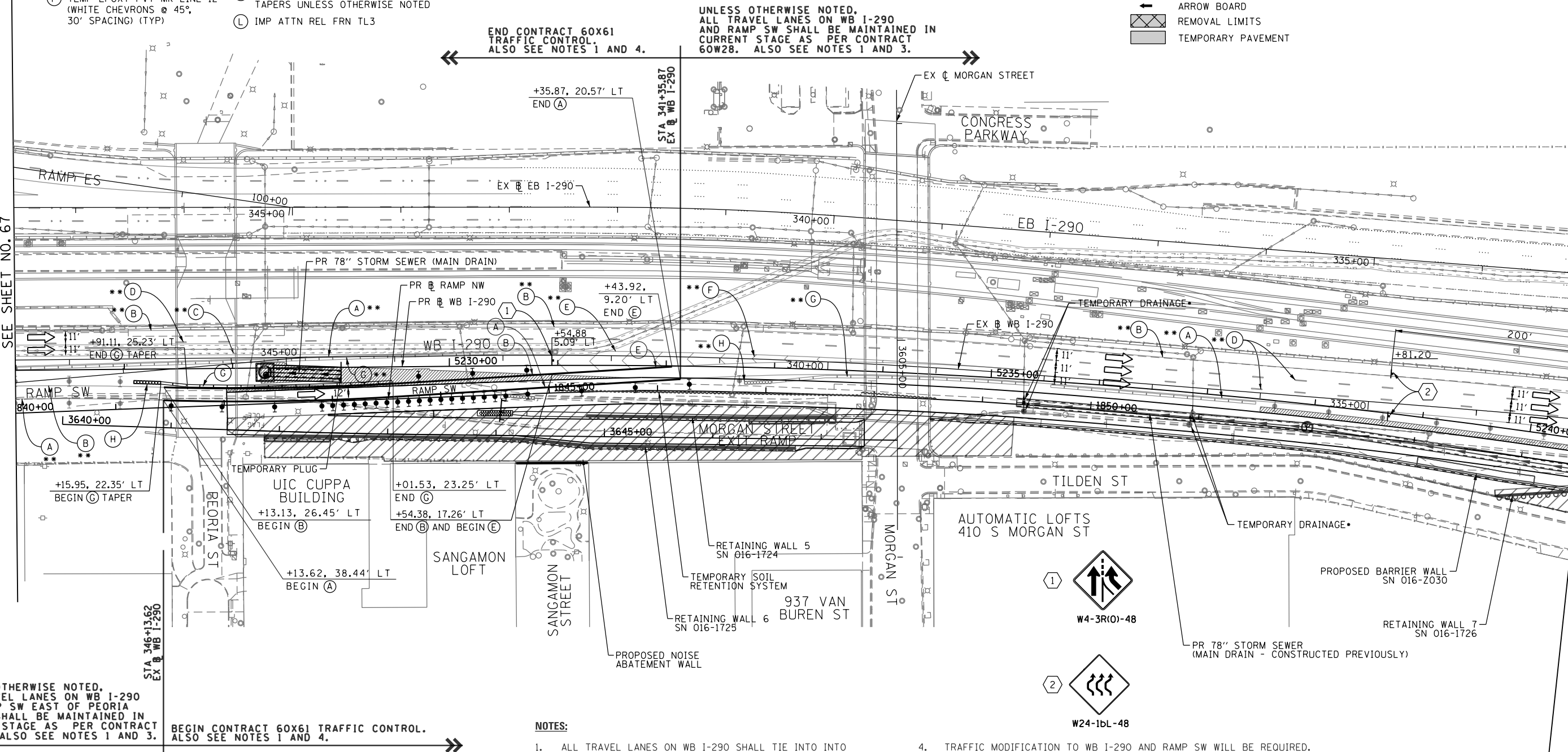
\* FROM PREVIOUS TO REMAIN  
 \*\* FROM CONTRACTS 60W26 AND 60W28 TO REMAIN

- 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 354+00 (EX @ WB I-290) SEE SHEET NO. 67

MATCH LINE STA 333+00 (EX @ WB I-290) SEE SHEET NO. 69



UNLESS OTHERWISE NOTED, ALL TRAVEL LANES ON WB I-290 AND RAMP SW SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60W28. ALSO SEE NOTES 1 AND 3.

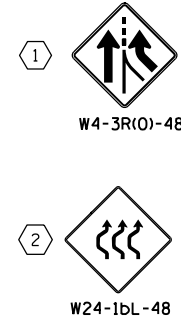
END CONTRACT 60X61 TRAFFIC CONTROL. ALSO SEE NOTES 1 AND 4.

UNLESS OTHERWISE NOTED, ALL TRAVEL LANES ON WB I-290 AND RAMP SW EAST OF PEORIA STREET SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60W28. ALSO SEE NOTES 1 AND 3.

BEGIN CONTRACT 60X61 TRAFFIC CONTROL. ALSO SEE NOTES 1 AND 4.

**NOTES:**

- ALL TRAVEL LANES ON WB I-290 SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W26 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
- ALL TRAVEL LANES ON NB I-90/94, RAMP NW AND RAMP NE SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W71 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
- UNLESS NOTED OTHERWISE ALL PAVEMENT MARKING AND SIGNS ARE FROM CONTRACTS 60W26, 60W28, 60W29 AND 60W71.
- TRAFFIC MODIFICATION TO WB I-290 AND RAMP SW WILL BE REQUIRED. PRIOR TO ANY TRAFFIC ALTERATION THE CONTRACTOR MUST COORDINATE WITH CONTRACT 60W28. CONTRACTOR COOPERATION IS REQUIRED.
- UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS USED ARE TAKEN FROM EXISTING EB AND WB I-290 BASELINES.



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

<b>SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN</b>	
<b>MAINLINE STAGING 2B</b>	
SCALE: 1" = 50'	SHEET 3 OF 4 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	68
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

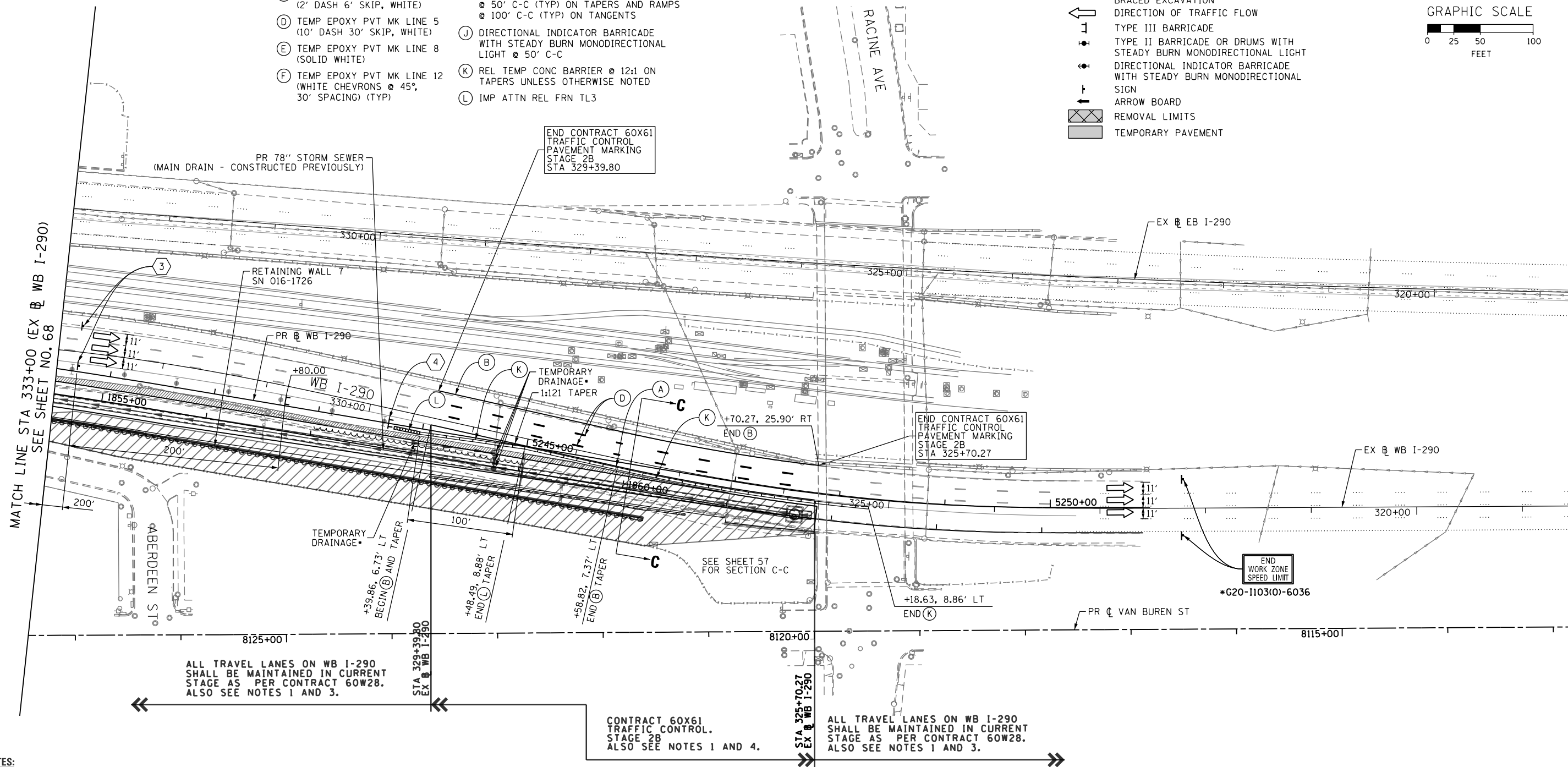
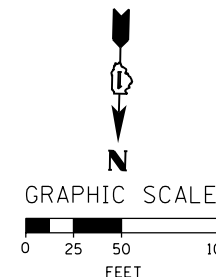
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**PROPOSED TEMP PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES**

- (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) IMP ATTN TEMP FRN TL3
- (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) IMP ATTN REL FRN TL3

\* FROM PREVIOUS TO REMAIN  
 \*\* FROM CONTRACTS 60W26 AND 60W28 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
  - SIGN
  - ARROW BOARD
  - REMOVAL LIMITS
  - TEMPORARY PAVEMENT



**NOTES:**

1. ALL TRAVEL LANES ON WB I-290 SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W26 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
2. ALL TRAVEL LANES ON NB I-90/94, RAMP NW AND RAMP NE SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W71 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
3. UNLESS NOTED OTHERWISE ALL PAVEMENT MARKING AND SIGNS ARE FROM CONTRACTS 60W26, 60W28, 60W29 AND 60W71.
4. TRAFFIC MODIFICATION TO WB I-290 AND RAMP SW WILL BE REQUIRED. PRIOR TO ANY TRAFFIC ALTERATION THE CONTRACTOR MUST COORDINATE WITH CONTRACT 60W28. CONTRACTOR COOPERATION IS REQUIRED.
5. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS USED ARE TAKEN FROM EXISTING EB AND WB I-290 BASELINES.



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

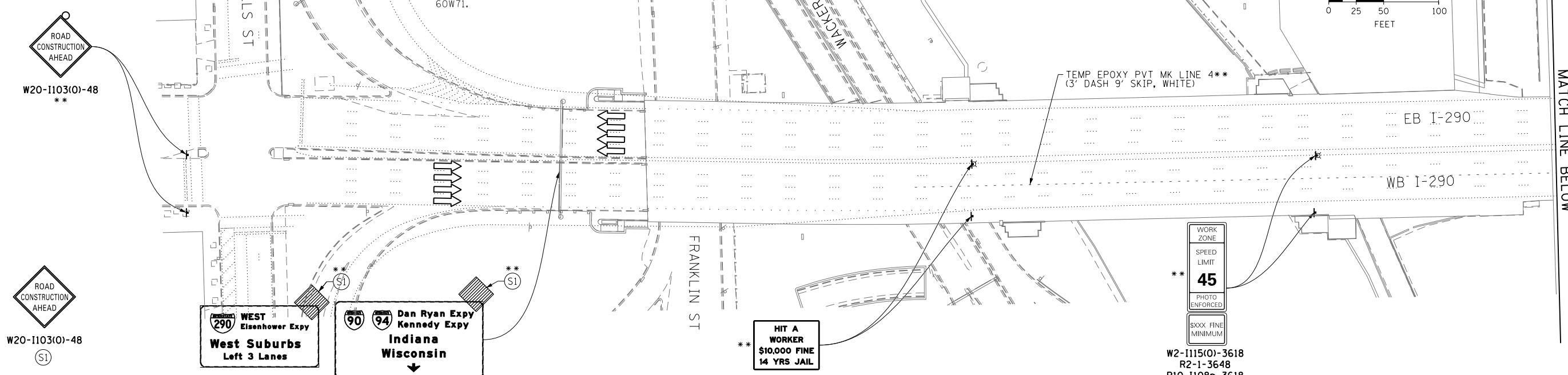
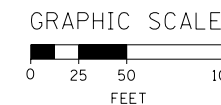
<b>SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN</b>	
<b>MAINLINE STAGING 2B</b>	
SCALE: 1" = 50'	SHEET 4 OF 4 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	69
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

**NOTES:**

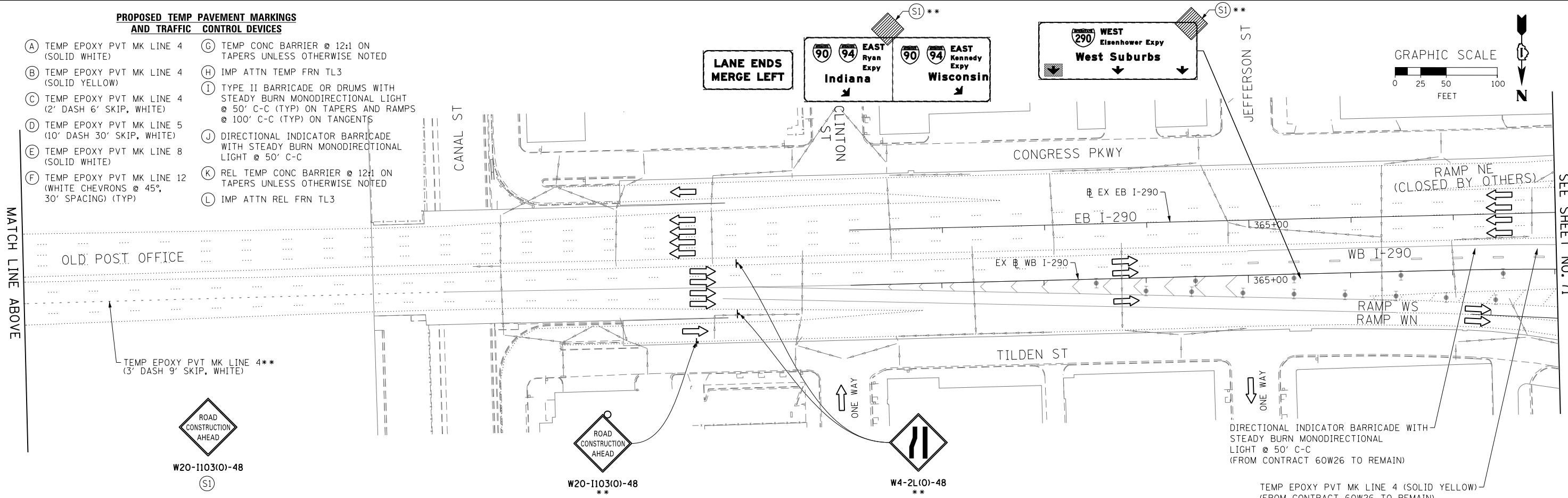
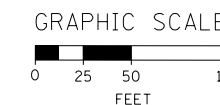
1. ALL TRAVEL LANES ON WB I-290 SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W26 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
2. ALL TRAVEL LANES ON RAMP NW SHALL TIE INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACT 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
3. UNLESS NOTED OTHERWISE ALL PAVEMENT MARKING AND SIGNS ARE FROM CONTRACTS 60W26, 60W28, 60W29 AND 60W71.
4. TRAFFIC MODIFICATION TO WB I-290 AND RAMP SW WILL BE REQUIRED. PRIOR TO ANY TRAFFIC ALTERATION THE CONTRACTOR MUST COORDINATE WITH CONTRACT 60W28. CONTRACTOR COOPERATION IS REQUIRED.
5. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS USED ARE TAKEN FROM THE EXISTING WB I-290 BASELINE.

\* FROM PREVIOUS TO REMAIN  
 \*\* FROM CONTRACTS 60W26 AND 60W28 TO REMAIN



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

- |   |   |
|---|---|
| (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)                              | (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED   |
| (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)                             | (H) IMP ATTN TEMP FRN TL3   |
| (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)                   | (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 |
| (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)                 | (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C  |
| (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)                              | (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED   |
| (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP) | (L) IMP ATTN REL FRN TL3  |



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 PLOT DATE = 10/16/2014

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DRAWN - OPS	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/17/14	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN**  
**MAINLINE STAGING 2C**  
 SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	70
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

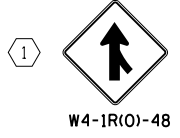
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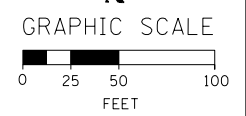
STAGE 2C - TC-01

**ALL LANE WIDTH RESTRICTION SHALL TIE INTO CONTRACT 60W28 (SEE NOTES 2 & 3)**  
 (CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL WITH OTHER ADJACENT CONTRACTS WHICH MAY BE UNDER CONSTRUCTION DURING THE DURATION OF THIS PROJECT)

\* FROM PREVIOUS TO REMAIN  
 \*\* FROM CONTRACTS 60W26 AND 60W28 TO REMAIN

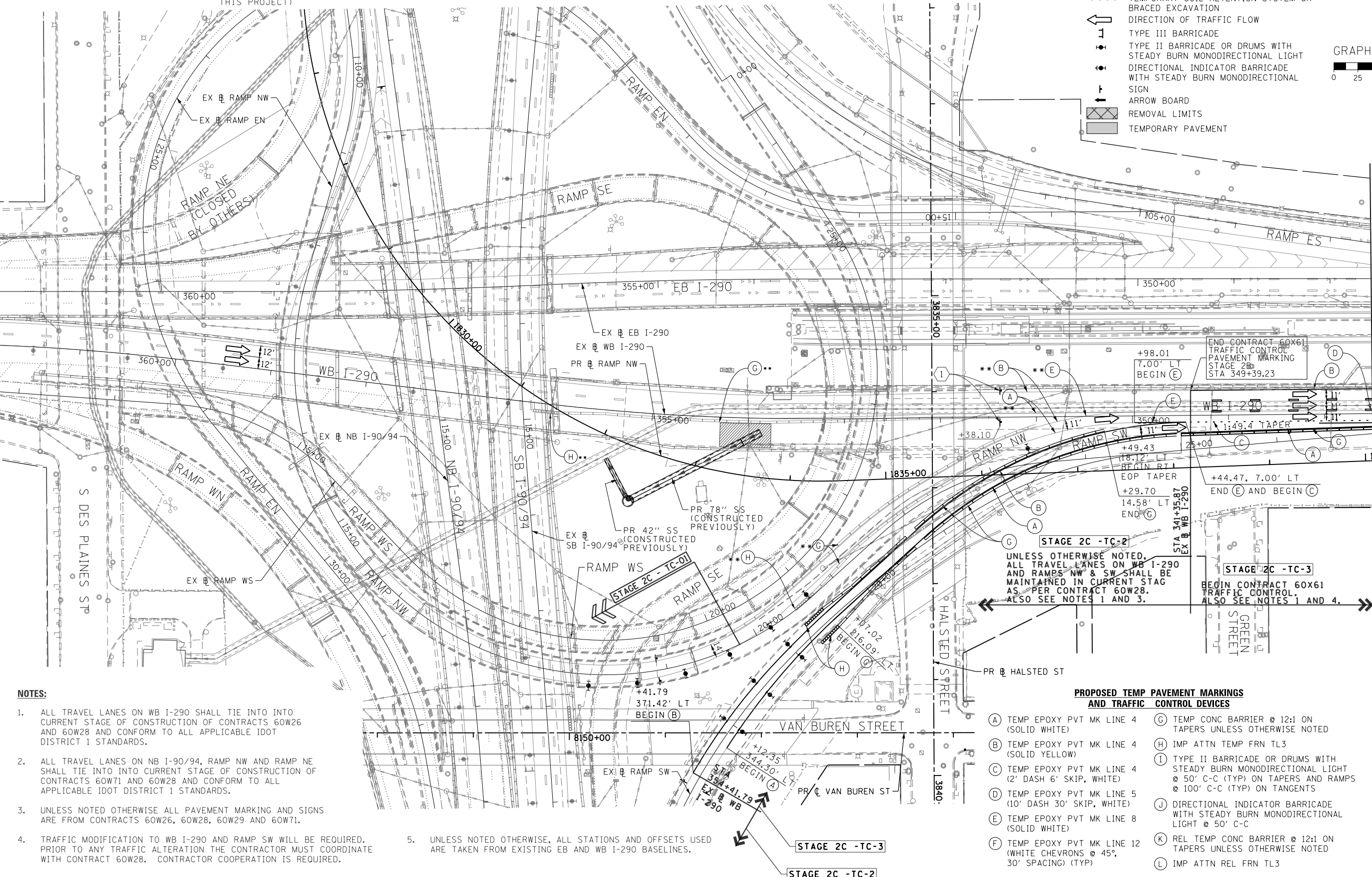


- LEGEND:**
- WORK ZONE
  - TEMPORARY CONCRETE BARRIER
  - TEMPORARY IMPACT ATTENUATOR
  - TEMPORARY SOIL RETENTION SYSTEM OR BRACED EXCAVATION
  - DIRECTION OF TRAFFIC FLOW
  - TYPE III BARRICADE
  - TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
  - DIRECTIONAL INDICATOR BARRICADE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



MATCH LINE STA 362+00 EB I-290  
SEE SHEET NO. 70

MATCH LINE STA 354+00 (EX B WB I-290)  
SEE SHEET NO. 72



**NOTES:**

1. ALL TRAVEL LANES ON WB I-290 SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W26 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
2. ALL TRAVEL LANES ON NB I-90/94, RAMP NW AND RAMP NE SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W71 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
3. UNLESS NOTED OTHERWISE ALL PAVEMENT MARKING AND SIGNS ARE FROM CONTRACTS 60W26, 60W28, 60W29 AND 60W71.
4. TRAFFIC MODIFICATION TO WB I-290 AND RAMP SW WILL BE REQUIRED. PRIOR TO ANY TRAFFIC ALTERATION THE CONTRACTOR MUST COORDINATE WITH CONTRACT 60W28. CONTRACTOR COOPERATION IS REQUIRED.
5. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS USED ARE TAKEN FROM EXISTING EB AND WB I-290 BASELINES.

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

- |   |   |
|---|---|
| (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)                              | (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED   |
| (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)                             | (H) IMP ATTN 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)                   | (I) TYPE II BARRICADE OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TANGENTS         |
| (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)                 | (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C                      |
| (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)                              | (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED   |
| (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP) | (L) IMP ATTN REL FRN TL3  |



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN  
MAINLINE STAGING 2C**  
 SCALE: 1" = 50' SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 71
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

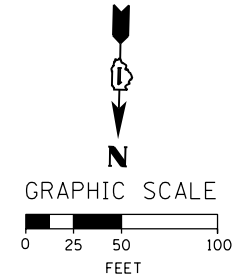
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\* FROM PREVIOUS TO REMAIN  
 \*\* FROM CONTRACTS 60W26 AND 60W28 TO REMAIN

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

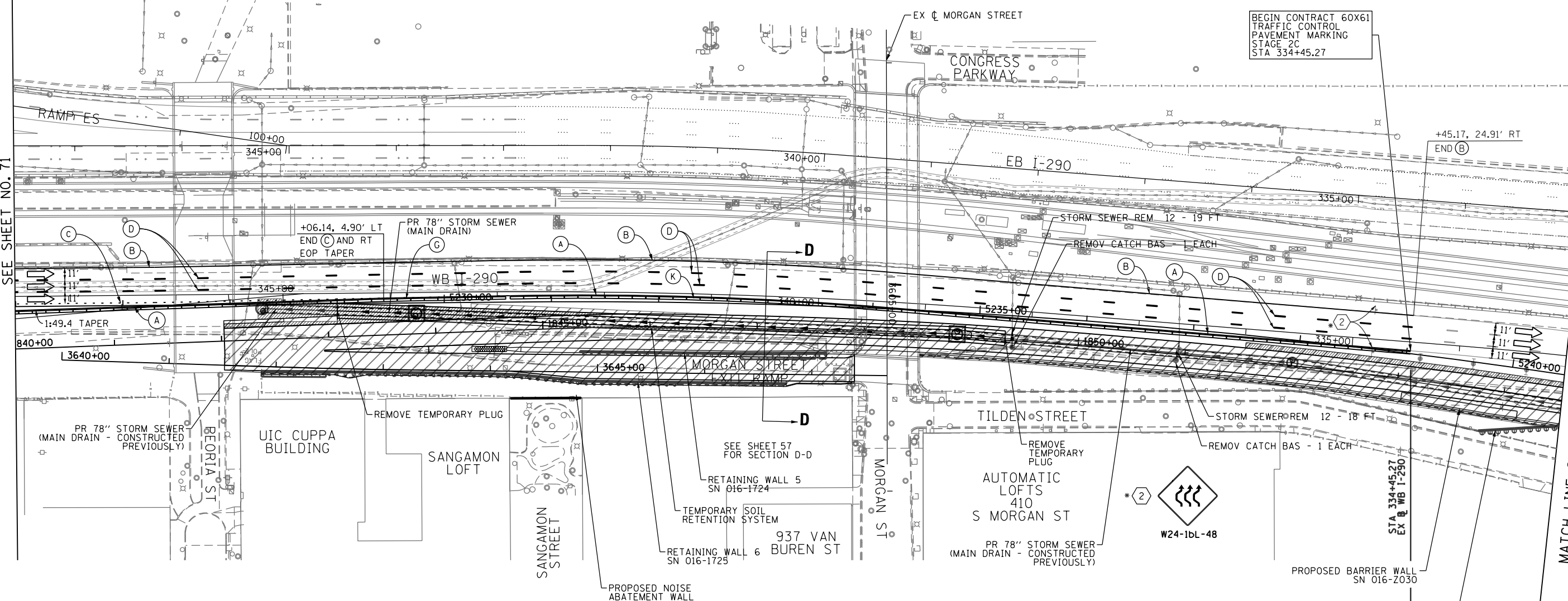
- (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)
- (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)
- (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)
- (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)
- (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)
- (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (H) IMP ATTN TEMP FRN TL3
- (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) IMP ATTN REL FRN TL3

- 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



MATCH LINE STA 354+00 (EX @ WB I-290) SEE SHEET NO. 71

MATCH LINE STA 333+00 (EX @ WB I-290) SEE SHEET NO. 73



**NOTES:**

1. ALL TRAVEL LANES ON WB I-290 SHALL TIE INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W26 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
2. ALL TRAVEL LANES ON NB I-90/94, RAMP NW AND RAMP NE SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W71 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
3. UNLESS NOTED OTHERWISE ALL PAVEMENT MARKING AND SIGNS ARE FROM CONTRACTS 60W26, 60W28, 60W29 AND 60W71.
4. TRAFFIC MODIFICATION TO WB I-290 AND RAMP SW WILL BE REQUIRED. PRIOR TO ANY TRAFFIC ALTERATION THE CONTRACTOR MUST COORDINATE WITH CONTRACT 60W28. CONTRACTOR COOPERATION IS REQUIRED.
5. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS USED ARE TAKEN FROM EXISTING EB AND WB I-290 BASELINES.

END CONTRACT 60X61 TRAFFIC CONTROL. ALSO SEE NOTES 1 AND 4.

UNLESS OTHERWISE NOTED, ALL TRAVEL LANES ON WB I-290 SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60W28. ALSO SEE NOTES 1 AND 3.

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CHECKED - DBM	REVISED -
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN  
 MAINLINE STAGING 2C  
 SCALE: 1" = 50' SHEET 3 OF 4 SHEETS STA. TO STA.

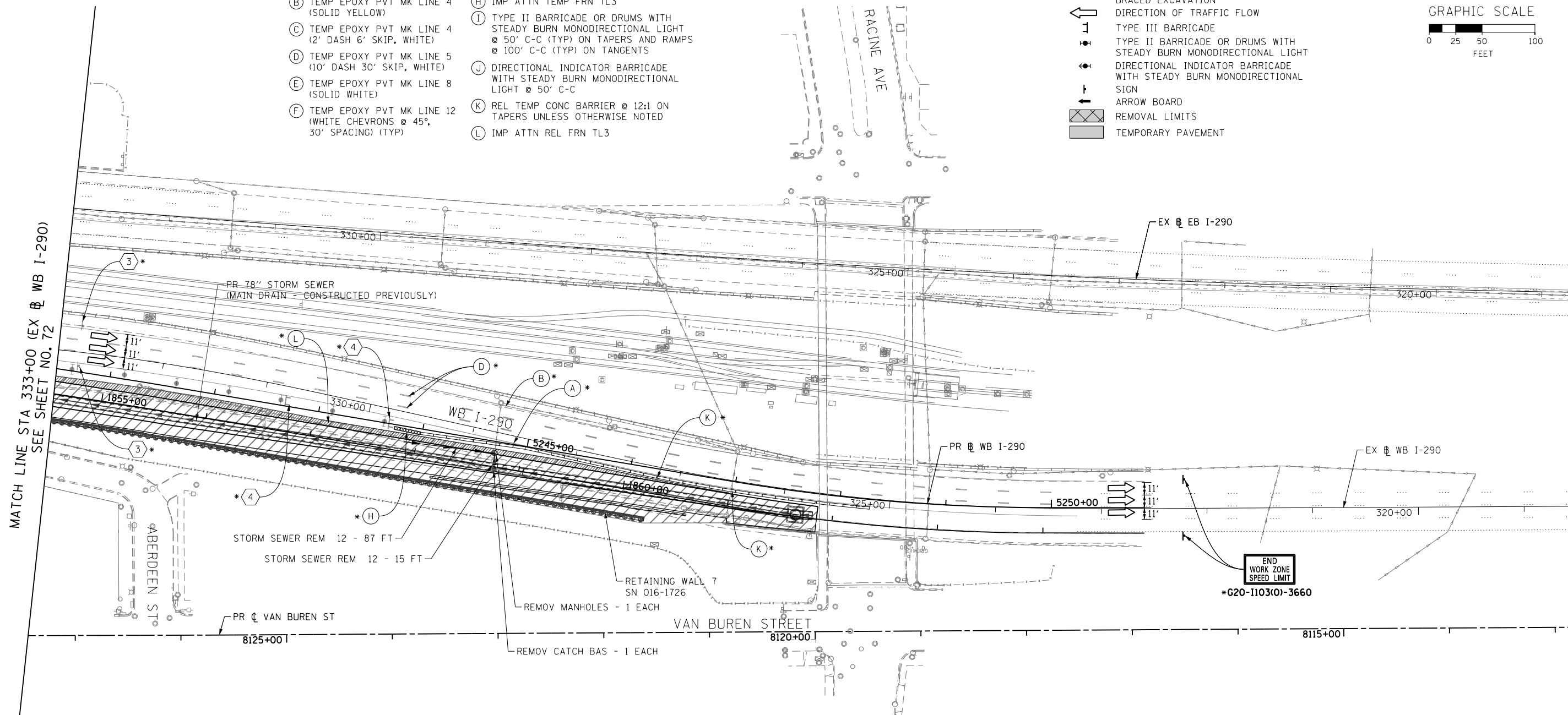
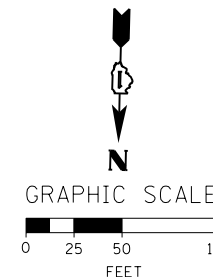
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90/94/290	2013-077R	COOK	317	72
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

\* FROM PREVIOUS TO REMAIN  
 \*\* FROM CONTRACTS 60W26 AND 60W28 TO REMAIN

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

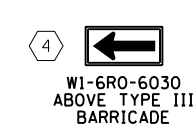
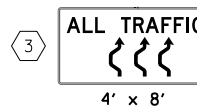
- |   |   |
|---|---|
| (A) TEMP EPOXY PVT MK LINE 4 (SOLID WHITE)                              | (G) TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED   |
| (B) TEMP EPOXY PVT MK LINE 4 (SOLID YELLOW)                             | (H) IMP ATTN TEMP FRN TL3   |
| (C) TEMP EPOXY PVT MK LINE 4 (2' DASH 6' SKIP, WHITE)                   | (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 |
| (D) TEMP EPOXY PVT MK LINE 5 (10' DASH 30' SKIP, WHITE)                 | (J) DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C  |
| (E) TEMP EPOXY PVT MK LINE 8 (SOLID WHITE)                              | (K) REL TEMP CONC BARRIER @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED   |
| (F) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP) | (L) IMP ATTN REL FRN TL3  |

- 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



**NOTES:**

1. ALL TRAVEL LANES ON WB I-290 SHALL TIE INTO INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACTS 60W26 AND 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
2. ALL TRAVEL LANES ON RAMP NW SHALL TIE INTO CURRENT STAGE OF CONSTRUCTION OF CONTRACT 60W28 AND CONFORM TO ALL APPLICABLE IDOT DISTRICT 1 STANDARDS.
3. UNLESS NOTED OTHERWISE ALL PAVEMENT MARKING AND SIGNS ARE FROM CONTRACTS 60W26, 60W28, 60W29 AND 60W71.
4. TRAFFIC MODIFICATION TO WB I-290 AND RAMP SW WILL BE REQUIRED. PRIOR TO ANY TRAFFIC ALTERATION THE CONTRACTOR MUST COORDINATE WITH CONTRACT 60W28. CONTRACTOR COOPERATION IS REQUIRED.
5. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS USED ARE TAKEN FROM THE EXISTING WB I-290 BASELINE.



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PLOT DATE = 10/17/2014	DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN</b>	
<b>MAINLINE STAGING 2C</b>	
SCALE: 1" = 50'	SHEET 4 OF 4 SHEETS STA. TO STA.






F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 73
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

**EROSION CONTROL GENERAL NOTES**







1. THE CONSTRUCTION LIMITS WILL BE STAKED AND APPROVED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGES IN CONSTRUCTION LIMITS.
2. EROSION CONTROL ITEMS ARE CONSIDERED HIGH PRIORITY ITEMS IN THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY MANNER. THE CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL MEASURES PRIOR TO THE START OF CONSTRUCTION OPERATIONS WHICH WILL POTENTIALLY CREATE ERODIBLE CONDITIONS. PLACEMENT AND MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS WILL BE UTILIZED THROUGHOUT THE CONSTRUCTION LIMITS.
3. TEMPORARY EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. THE WORK SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS, CONTRACT SPECIAL PROVISIONS AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
4. THE CONTRACTOR SHALL UTILIZE THE GENERAL MAINTENANCE GUIDELINES AS OUTLINED IN THE SWPPP TO ENSURE GOOD AND EFFECTIVE OPERATING CONDITION OF THE VEGETATION AND EROSION AND SEDIMENT CONTROL MEASURES.
5. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE. ALL CHANGES TO THE SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE NOTED ON THE SITE.
6. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN HIGHWAY STANDARD 280001-07.
7. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
8. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.
9. THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED AFTER EACH SIGNIFICANT SNOWMELT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY.
10. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPROVED PER SUB-STAGE AS SOON AS ROUGH GRADING IS COMPLETED IN A SECTION. STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN 1 WORKING DAY OF TEMPORARY OR PERMANENT CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE BUT NO LATER THAN 14 DAYS FROM THE INITIATION OF STABILIZATION OF WORK IN AN AREA. TEMPORARY EROSION CONTROL SEEDING SHALL NOT BE USED BETWEEN SEPTEMBER 30<sup>TH</sup> TO APRIL 15<sup>TH</sup>.
11. IN THE WINTER MONTHS WHEN TEMPORARY SEED WILL NOT GERMINATE (SEPTEMBER 30<sup>TH</sup> THROUGH APRIL 15<sup>TH</sup>), MULCH, METHOD 2 AND SURFACE ROUGHENING SHALL BE USED FOR TEMPORARY STABILIZATION INSTEAD OF TEMPORARY EROSION CONTROL SEEDING. SURFACE ROUGHENING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF MULCH, METHOD 2.
12. ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.
13. TEMPORARY STOCKPILE LOCATIONS SHALL BE APPROVED BY THE ENGINEER AND WILL REQUIRE SILT FENCE AND TEMPORARY SEEDING.

14. THE CONTRACTOR SHALL INSTALL, MAINTAIN AND ROUTINELY CLEAN INLET FILTERS AT ALL EXISTING OPEN LID DRAINAGE STRUCTURES ADJACENT TO THE EDGE OF PAVEMENT PRIOR TO THE START OF PRE-STAGE WORK. THE INLET FILTERS SHALL BE MAINTAINED AND CLEANED AT EACH SUBSEQUENT STAGE UNTIL NO LONGER REQUIRED OR AS DIRECTED BY THE ENGINEER. THE INSTALLATION, MAINTENANCE AND ROUTINE CLEANING OF INLET FILTERS ARE INCLUDED IN THE COST OF INLET FILTERS.
15. DURING CONSTRUCTION OPERATIONS, WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY.
16. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROJECT.
17. THE CONTRACTOR SHALL IMMEDIATELY INSTALL, MAINTAIN AND ROUTINELY CLEAN INLET FILTERS AT ALL NEW OPEN LID DRAINAGE STRUCTURES. THE INLET FILTERS SHALL BE MAINTAINED AND CLEANED AT EACH SUBSEQUENT STAGE UNTIL COMPLETION OF STAGING OR UNTIL NO LONGER REQUIRED. THE INSTALLATION, MAINTENANCE AND ROUTINE CLEANING OF INLET FILTERS ARE INCLUDED IN THE COST OF INLET FILTERS.
18. LOCATIONS OF THE STABILIZED CONSTRUCTION ENTRANCES/EXITS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE INSTALLATION OF THE ENTRANCE/EXITS SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL OR AS DIRECTED BY THE ENGINEER. ALL WORK ASSOCIATED WITH INSTALLATION AND MAINTENANCE OF STABILIZATION CONSTRUCTION ENTRANCE AND CONCRETE WASHOUTS ARE INCIDENTAL TO THE CONTRACT. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
19. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INSTALLED ON ALL AREAS DISTURBED DURING EACH STAGE OF CONSTRUCTION PRIOR TO SWITCHING TRAFFIC TO BEGIN THE SUBSEQUENT STAGE. ALSO, ALL EROSION CONTROL MEASURES PLACED DURING CONSTRUCTION SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL COMPLETION OF STAGE 2C OR NO LONGER REQUIRED.
20. A QUANTITY OF 100 FEET OF EXPLORATION TRENCH 72" DEPTH HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF IDENTIFYING ANY BURIED OBSTACLE. THE ENGINEER SHALL APPROVE THE LOCATIONS OF THE EXPLORATION TRENCH 72" DEPTH BEFORE ANY EXCAVATION MAY BEGIN.

**TEMPORARY EROSION CONTROL LEGEND**

-  INLET FILTER
-  INLET FILTER (TO REMAIN FROM PREVIOUS STAGE)
-  PERIMETER EROSION BARRIER
-  MULCH, METHOD 2
-  TEMPORARY EROSION CONTROL SEEDING OR SURFACE ROUGHENING (SEE NOTE 11)
- LIMITS OF CONSTRUCTION

**PERMANENT EROSION CONTROL LEGEND**

-  EROSION CONTROL BLANKET SEEDING, CLASS 2A
-  TOPSOIL FURNISH AND PLACE, 4"
-  NITROGEN FERTILIZER NUTRIENT
-  POTASSIUM FERTILIZER NUTRIENT
-  SODDING, SALT TOLERANT
-  TOPSOIL FURNISH AND PLACE, 4"
- LIMITS OF CONSTRUCTION

**NOTE:**  
BOXED ITEMS ARE INCLUDED IN THE COST OF THE CONTRACT.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL GENERAL NOTES**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	74
CONTRACT NO. 60X61			ILLINOIS FED. AID PROJECT	

**TEMPORARY EROSION CONTROL SCHEDULE**

	MULCH, METHOD 2	TEMPORARY EROSION CONTROL SEEDING	PERIMETER EROSION BARRIER	INLET FILTERS
STAGES	ACRE	POUND	FOOT	EACH
STAGE 1	2.50	501	2635	22
STAGE 2A-2C	2.61	522	2302	35
ROUNDED TOTAL	5.25	1023	4,937	57

**INLET FILTERS SCHEDULE (STAGE 1)**

LOCATION		ALIGNMENT	AMOUNT (EACH)
STATION	OFFSET		
1842+20.06	6.94' LT	P-CIR-NW	1
1831+60.63	41.04' RT	P-CIR-NW	1
1833+93.84	23.82' RT	P-CIR-NW	1
1834+00.00	20.66' LT	P-CIR-NW	1
1844+25.99	11.67' LT	P-CIR-NW	1
1844+49.54	7.10' LT	P-CIR-NW	1
1849+02.25	10.47' RT	P-CIR-NW	1
1849+38.74	6.03' RT	P-CIR-NW	1
1849+38.74	6.03' RT	P-CIR-NW	1
1849+77.37	6.18' RT	P-CIR-NW	1
1850+92.09	5.62' RT	P-CIR-NW	1
1850+92.09	5.62' RT	P-CIR-NW	1
1853+11.20	0.78' LT	P-CIR-NW	1
1855+34.58	9.92' LT	P-CIR-NW	1
1856+52.85	8.90' LT	P-CIR-NW	1
1858+76.55	1.58' RT	P-CIR-NW	1
1858+76.55	1.58' RT	P-CIR-NW	1
1860+59.90	8.41' RT	P-CIR-NW	1
1861+00.99	8.84' RT	P-CIR-NW	1
1861+19.53	8.25' RT	P-CIR-NW	1
1861+80.50	11.79' RT	P-CIR-NW	1
1861+80.39	16.97' RT	P-CIR-NW	1
TOTAL			22

**INLET FILTERS SCHEDULE (STAGES 2A-2C)**

LOCATION		ALIGNMENT	AMOUNT (EACH)
STATION	OFFSET		
1842+39.45	26.66' RT	P-CIR-NW	1
1842+67.42	27.90' RT	P-CIR-NW	1
1843+18.31	39.16' RT	P-CIR-NW	1
1843+18.75	30.18' RT	P-CIR-NW	1
1843+81.31	33.28' RT	P-CIR-NW	1
1844+32.26	35.81' RT	P-CIR-NW	1
1845+29.53	45.89' RT	P-CIR-NW	1
1845+30.39	25.46' RT	P-CIR-NW	1
1846+02.76	18.79' RT	P-CIR-NW	1
1846+77.49	18.83' RT	P-CIR-NW	1
1847+52.07	16.38' RT	P-CIR-NW	1
1847+57.15	23.08' RT	P-CIR-NW	1
1847+57.64	47.28' RT	P-CIR-NW	1
1848+21.95	13.50' RT	P-CIR-NW	1
1848+62.38	13.50' RT	P-CIR-NW	1
1848+89.78	19.33' RT	P-CIR-NW	1
1848+92.46	16.05' LT	P-CIR-NW	1
1848+96.67	13.50' RT	P-CIR-NW	1
1849+37.28	15.68' LT	P-CIR-NW	1
1849+76.45	13.50' RT	P-CIR-NW	1
1850+56.16	13.50' RT	P-CIR-NW	1
1851+35.76	13.50' RT	P-CIR-NW	1
1852+15.46	13.50' RT	P-CIR-NW	1
1853+00.12	16.16' RT	P-CIR-NW	1
1854+29.62	25.33' RT	P-CIR-NW	1
1854+79.43	19.50' RT	P-CIR-NW	1
1855+54.13	19.50' RT	P-CIR-NW	1
1856+19.08	18.48' RT	P-CIR-NW	1
1857+69.08	15.48' RT	P-CIR-NW	1
1858+69.08	13.48' RT	P-CIR-NW	1
1859+79.08	11.28' RT	P-CIR-NW	1
1860+17.46	16.35' RT	P-CIR-NW	1
1860+17.46	26.30' RT	P-CIR-NW	1
1861+03.91	13.09' RT	P-CIR-NW	1
1861+58.07	10.68' RT	P-CIR-NW	1
TOTAL			35

**PERMANENT EROSION CONTROL SCHEDULE**

	TOPSOIL FURNISH AND PLACE, 4"	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET
	SQ YD	ACRE	POUND	POUND	SQ YD
PERMANENT CONDITION	8001	1.75	149	149	8001
ROUNDED TOTAL	8001	1.75	149	149	8001

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL SCHEDULES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	75
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				



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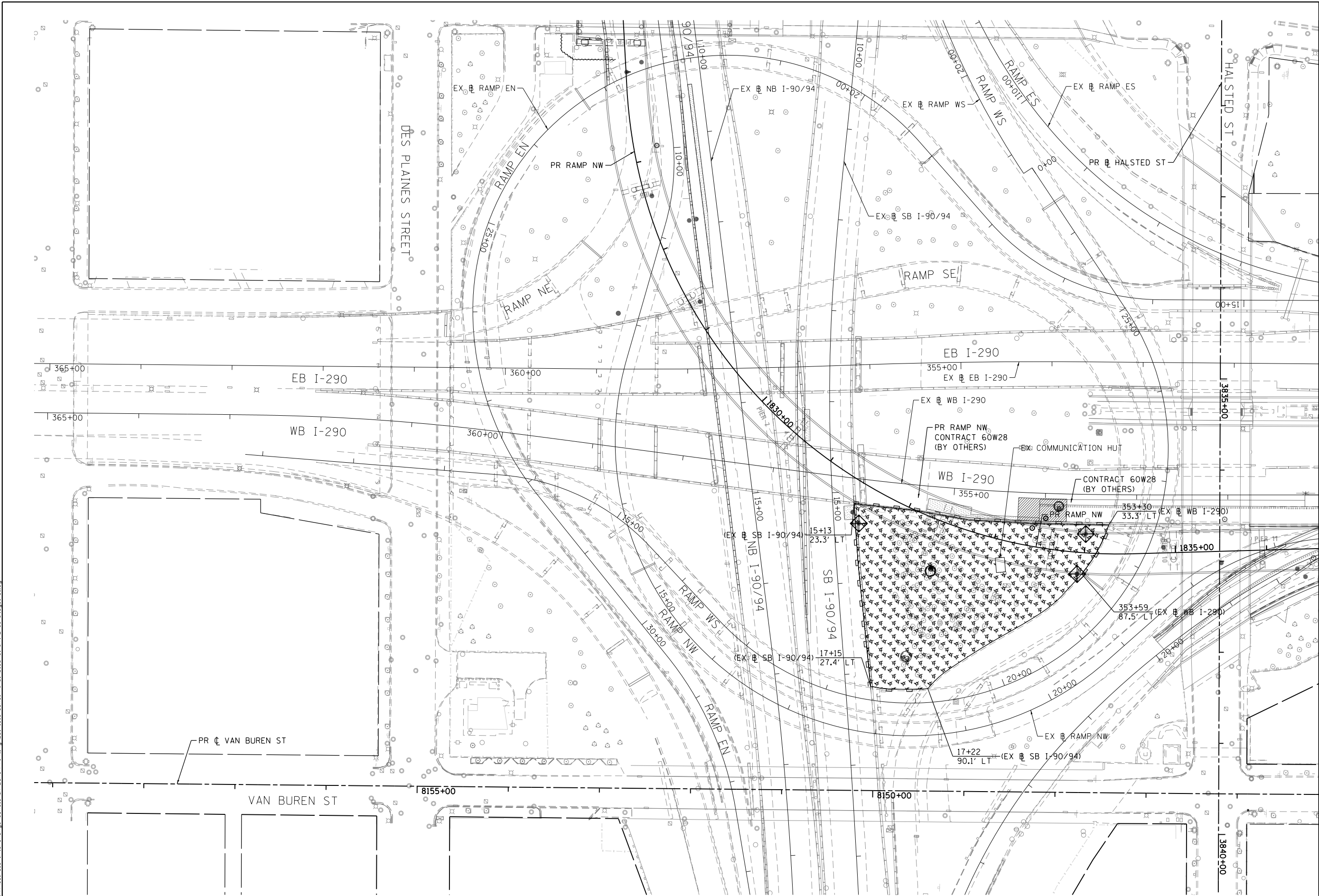
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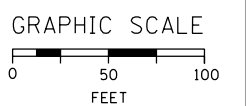
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MATCH LINE STA 351+00 (EX) WB I-290  
SEE SHEET NO. 77



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PLOT DATE = 10/15/2014

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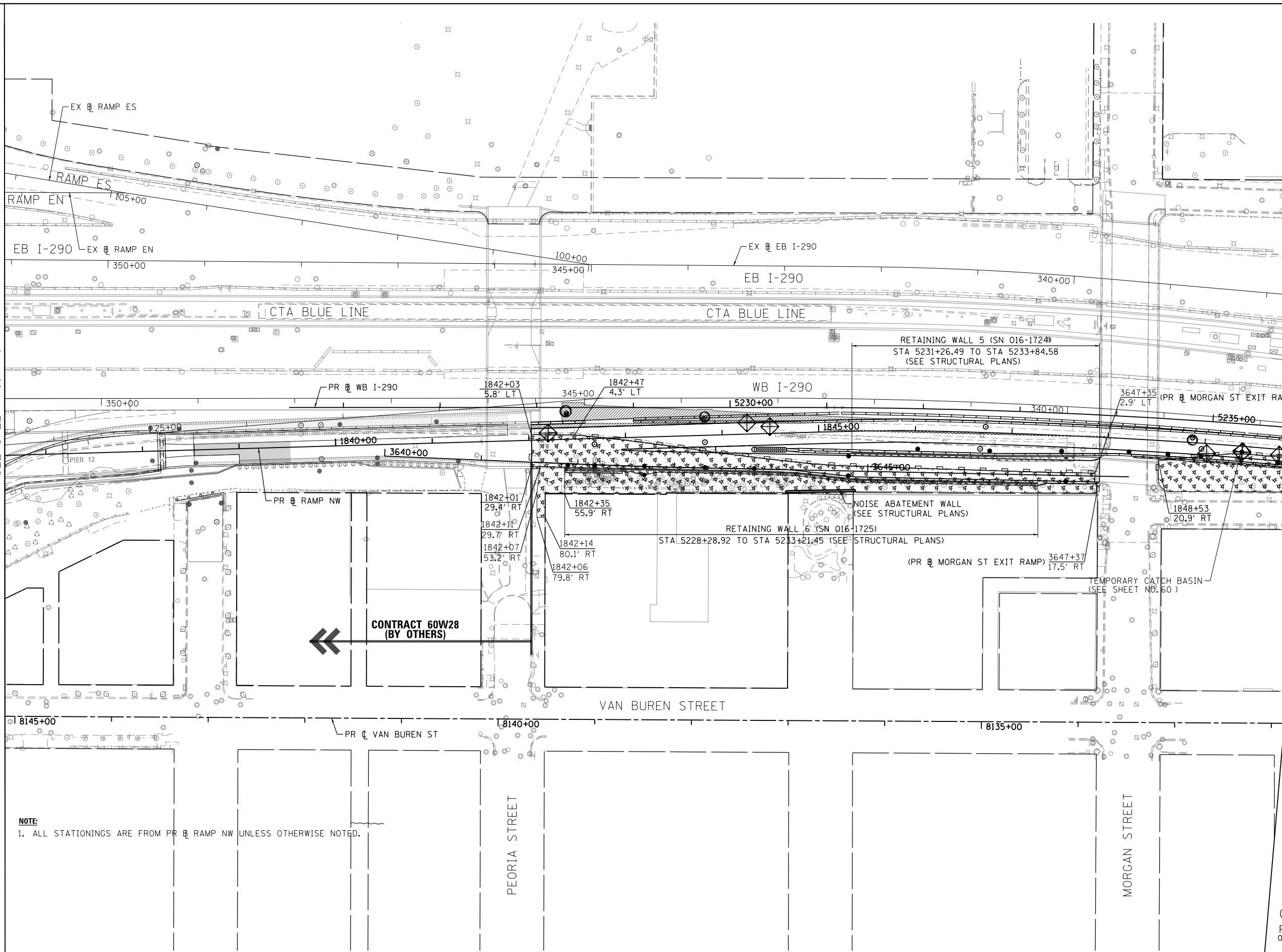
**EROSION AND SEDIMENTATION CONTROL PLAN  
STAGE 1**  
SCALE: 1" = 50'  
SHEET 1 OF 3 SHEETS  
STA. 365+00 (EX) TO STA. 351+00 (EX)

F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 76
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

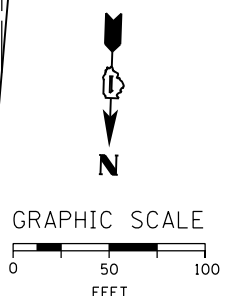
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MATCH LINE STA 351+00 (EX & WB I-290)  
SEE SHEET NO. 76

MATCH LINE STA 5236+00 (PR & WB I-290)  
SEE SHEET NO. 78



**NOTE:**  
1. ALL STATIONINGS ARE FROM PR & RAMP NW UNLESS OTHERWISE NOTED.



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DATE - 10/17/14	REVISED -

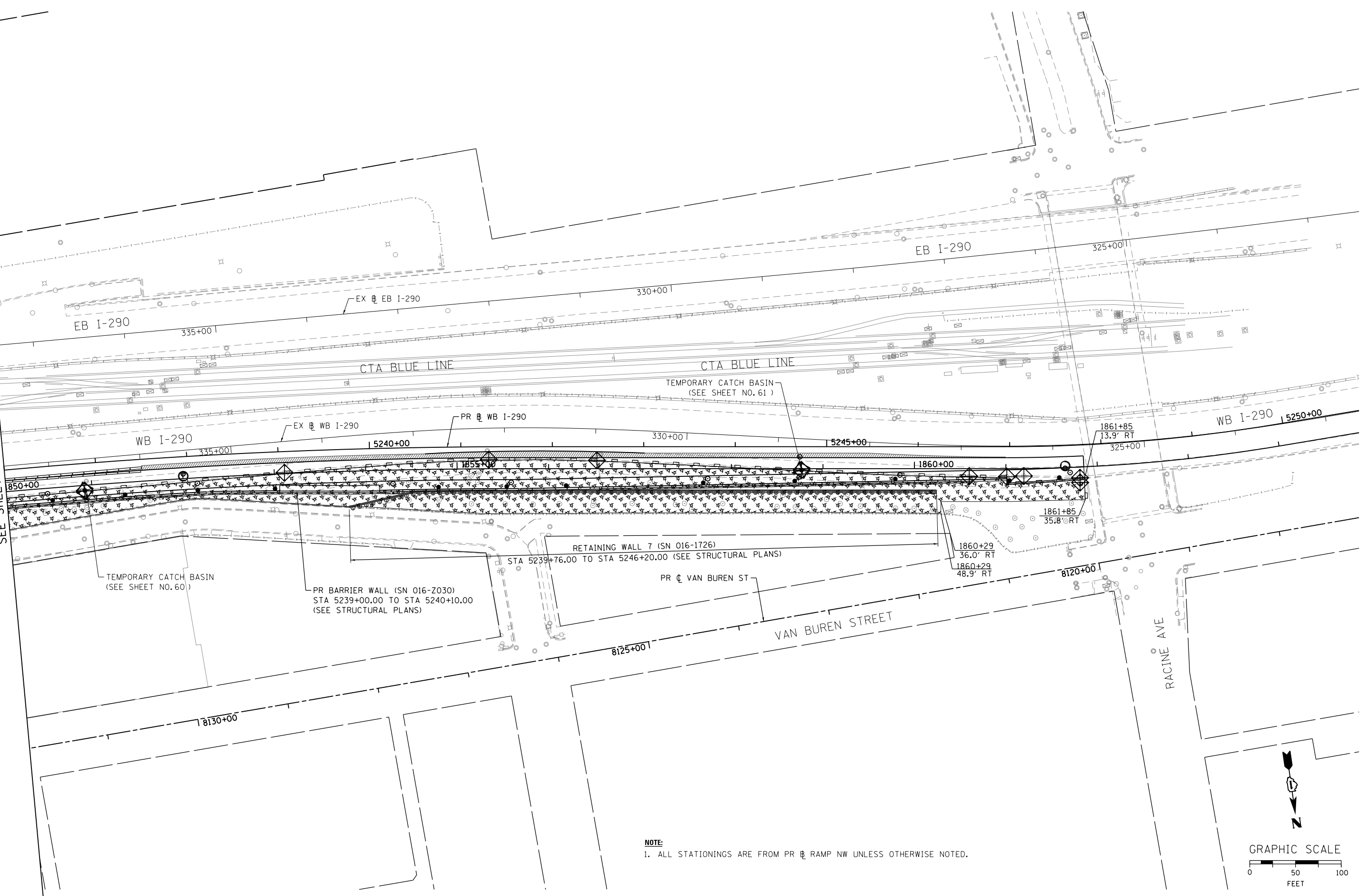
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENTATION CONTROL PLAN  
STAGE 1  
SCALE: 1" = 50'  
SHEET 2 OF 3 SHEETS  
STA. 351+00 (EX) TO STA. 5236+00 (PR)

F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 77
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

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MATCH LINE STA 5236+00 (PR & WB I-290)  
SEE SHEET NO. 77



**NOTE:**  
1. ALL STATIONINGS ARE FROM PR & RAMP NW UNLESS OTHERWISE NOTED.



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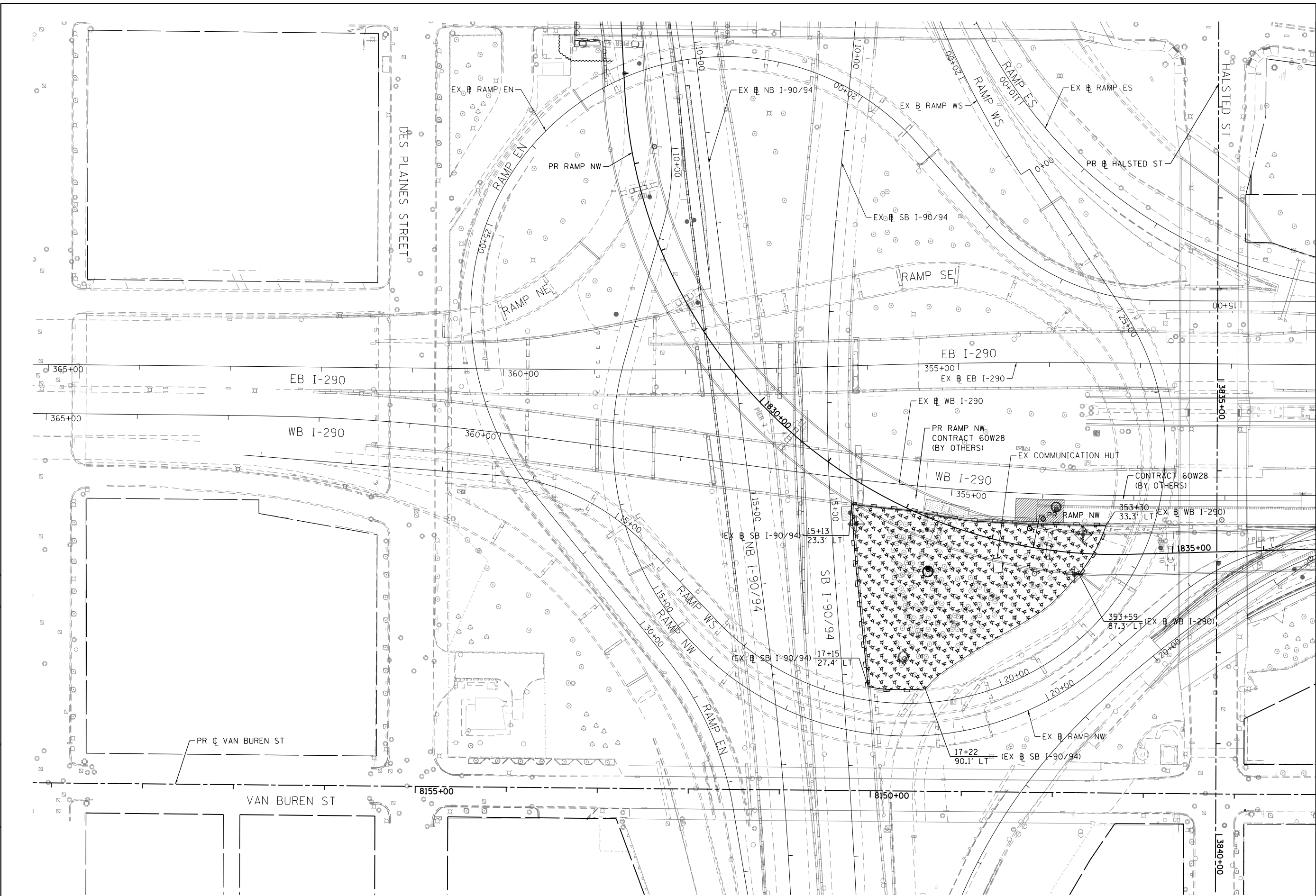
**EROSION AND SEDIMENTATION CONTROL PLAN  
STAGE 1**

SCALE: 1" = 50' SHEET 3 OF 3 SHEETS STA. 5236+00 TO STA. 5247+80

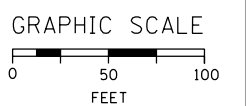
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CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				



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MATCH LINE STA 351+00 (EX WB I-290)  
SEE SHEET NO. 80



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CHECKED - DBM	REVISED -
DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENTATION CONTROL PLAN  
STAGES 2A TO 2C**

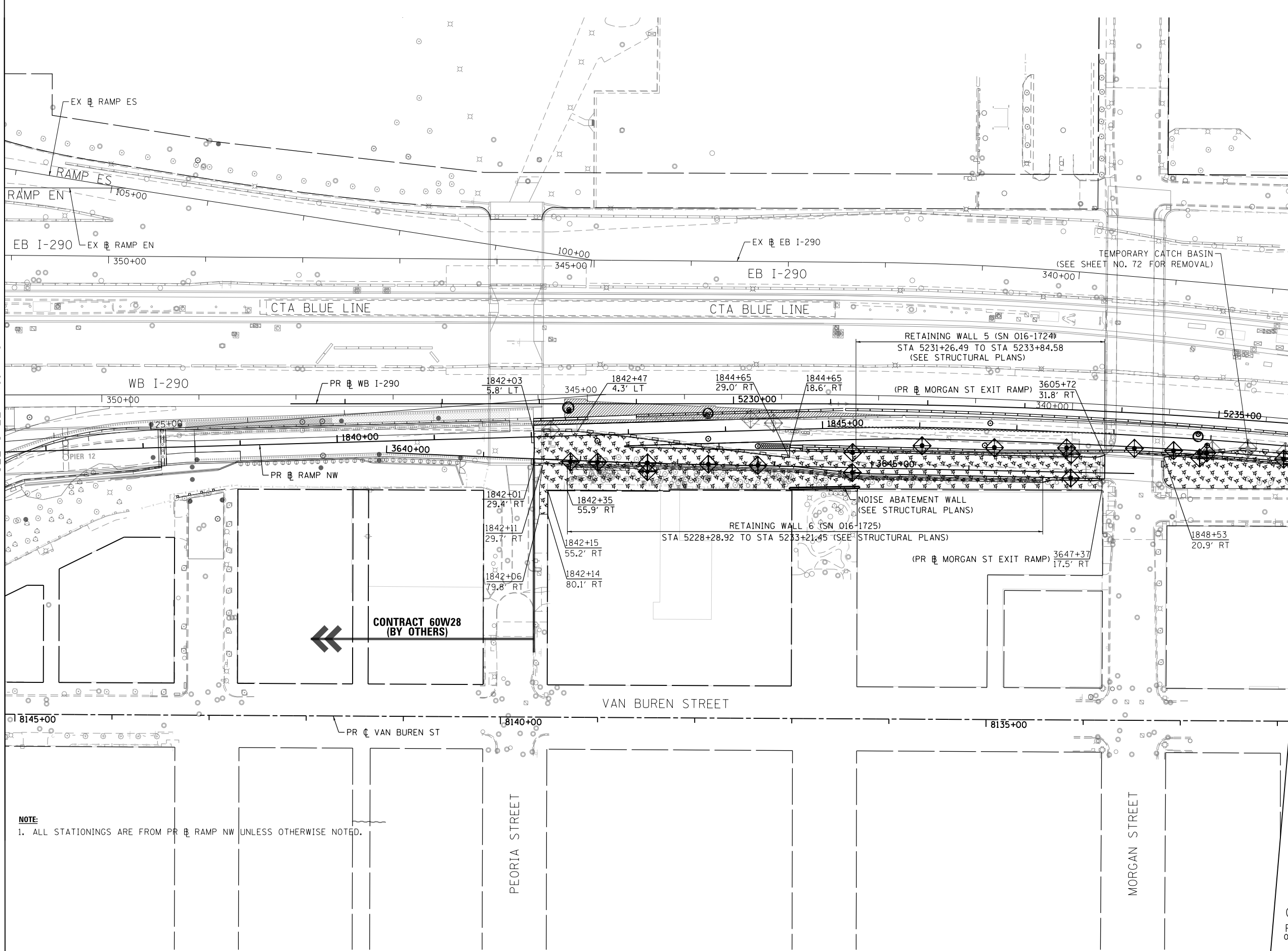
SCALE: 1" = 50' SHEET 1 OF 3 SHEETS STA. 365+00 (EX) TO STA. 351+00 (EX)

F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 79
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

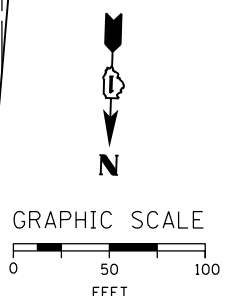
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MATCH LINE STA 351+00 (EX & WB I-290)  
SEE SHEET NO. 79

MATCH LINE STA 5236+00 (PR & WB I-290)  
SEE SHEET NO. 81



**NOTE:**  
1. ALL STATIONINGS ARE FROM PR & RAMP NW UNLESS OTHERWISE NOTED.



D160X61-shr-Eros-Stage2AC-02.dgn  
USER NAME = ChiuA  
PLOT SCALE = 50.0000' / in.  
PLOT DATE = 10/15/2014

DESIGNED - AFC	REVISED -
DRAWN - AFC	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/17/14	REVISED -

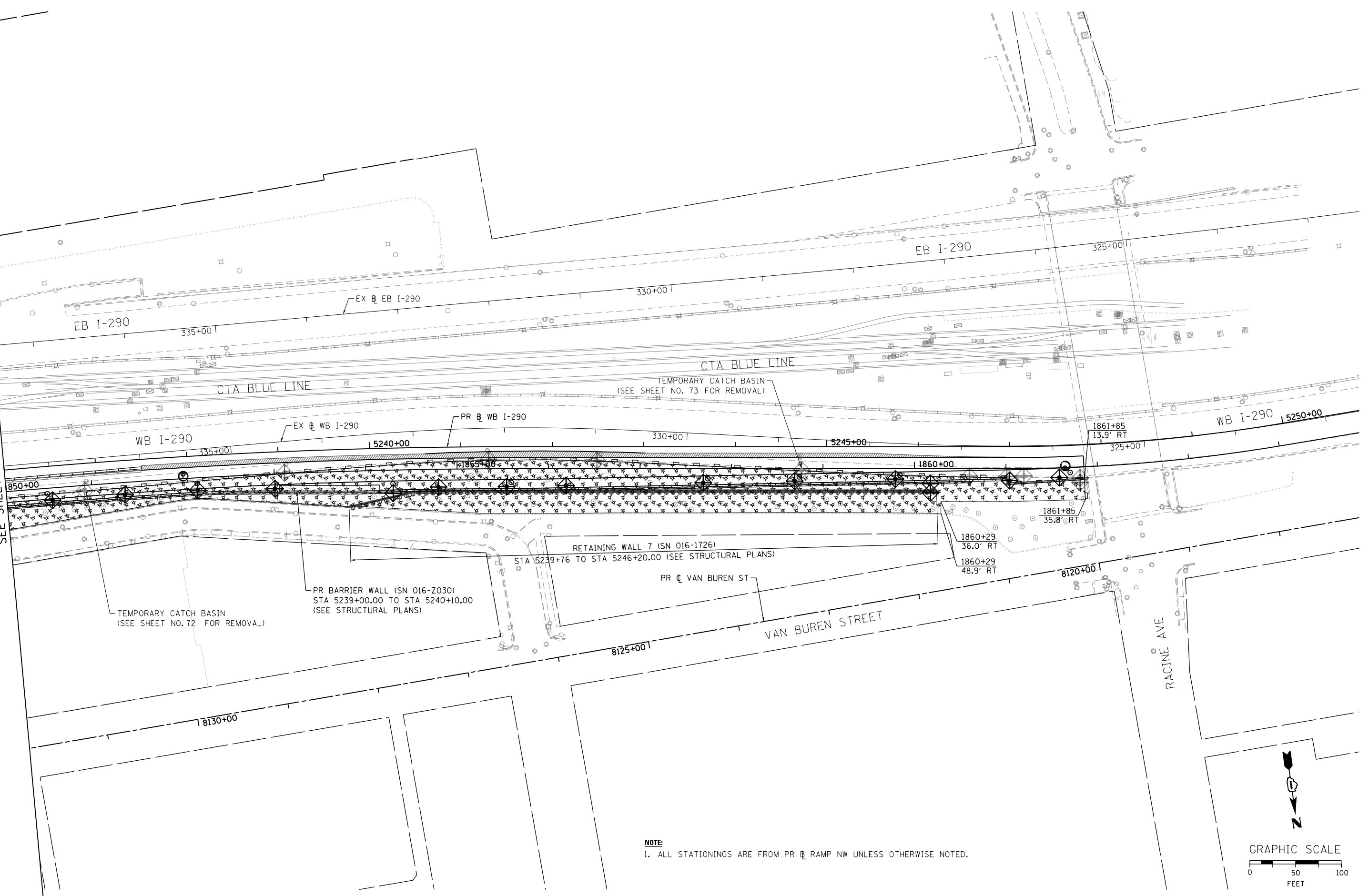
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENTATION CONTROL PLAN  
STAGES 2A TO 2C**  
SCALE: 1" = 50' SHEET 2 OF 3 SHEETS STA. 351+00 (EX) TO STA. 5236+00 (PR)

F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 80
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

FILE PATH = F:\WORK\Circle Interchange\60X61\_Aux\_Lane\Printing\2014\015-60X61-Final\0160X61-shr-Eros-Stage2AC-03.dgn

MATCH LINE STA 5236+00 (PR & WB I-290)  
SEE SHEET NO. 80



**NOTE:**  
1. ALL STATIONINGS ARE FROM PR & RAMP NW UNLESS OTHERWISE NOTED.



D160X61-shr-Eros-Stage2AC-03.dgn  
USER NAME = ChiuA  
PLOT SCALE = 50.0000' / in.  
PLOT DATE = 10/15/2014

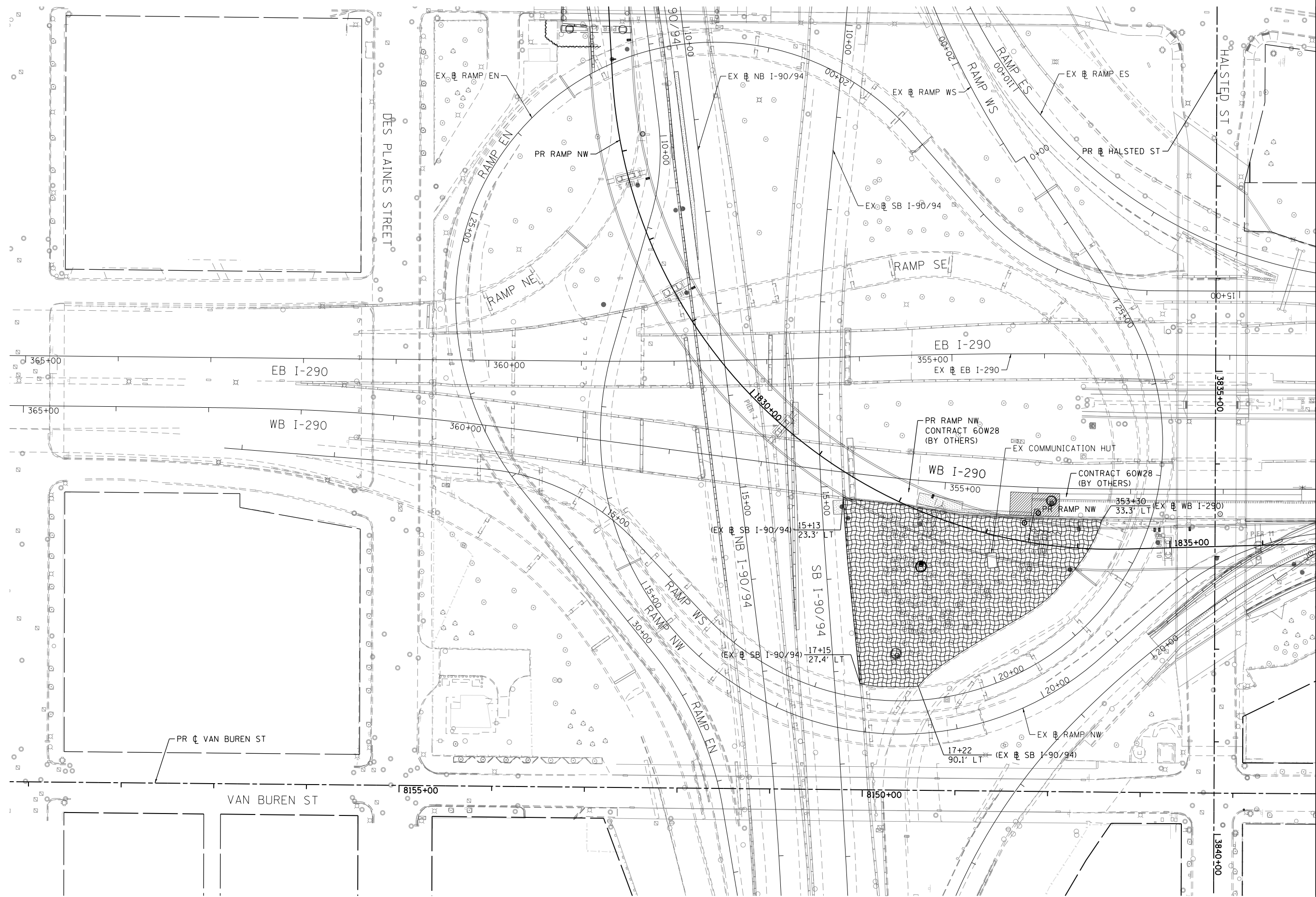
DESIGNED - AFC	REVISED -
DRAWN - AFC	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/17/14	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

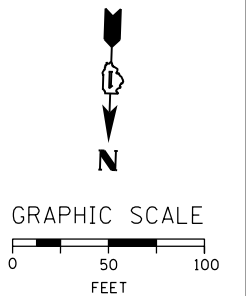
EROSION AND SEDIMENTATION CONTROL PLAN  
STAGES 2A TO 2C  
SCALE: 1" = 50' SHEET 3 OF 3 SHEETS STA. 5236+00 TO STA. 5247+80

F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 81
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

FILE PATH = F:\WORK\Circle Interchange\2014\1015-60X61-Final\10160X61-shr-Eros-Perm-01.dgn



MATCH LINE STA 351+00 (EX) WB I-290  
SEE SHEET NO. 83



D160X61-shr-Eros-Perm-01.dgn  
USER NAME = ChiuA  
PLOT SCALE = 50.0000' / in.  
PLOT DATE = 10/15/2014

DESIGNED - AFC	REVISED -
DRAWN - AFC	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PERMANENT EROSION AND SEDIMENTATION CONTROL PLAN**

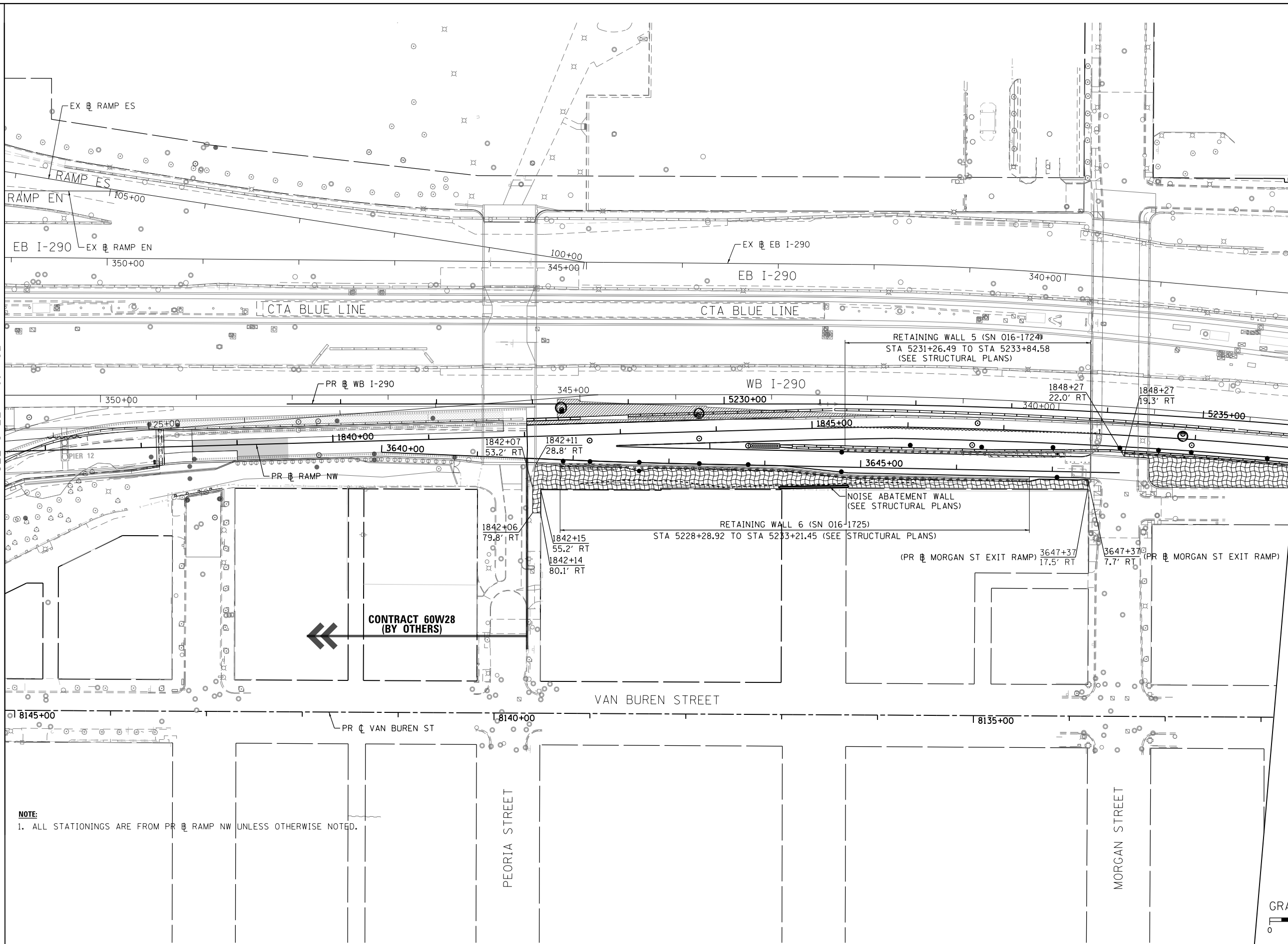
SCALE: 1" = 50' SHEET 1 OF 3 SHEETS STA. 365+00 (EX) TO STA. 351+00 (EX)

F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 82
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

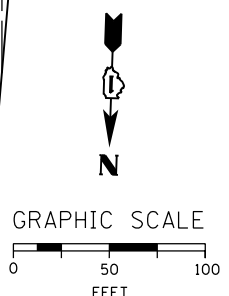
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MATCH LINE STA 351+00 (EX & WB I-290)  
SEE SHEET NO. 82

MATCH LINE STA 5236+00 (PR & WB I-290)  
SEE SHEET NO. 84



**NOTE:**  
1. ALL STATIONINGS ARE FROM PR & RAMP NW UNLESS OTHERWISE NOTED.



D160X61-shr-Eros-Perm-02.dgn
USER NAME = ChiuA
PLOT SCALE = 50.0000' / in.
PLOT DATE = 10/15/2014

DESIGNED - AFC	REVISED -
DRAWN - AFC	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

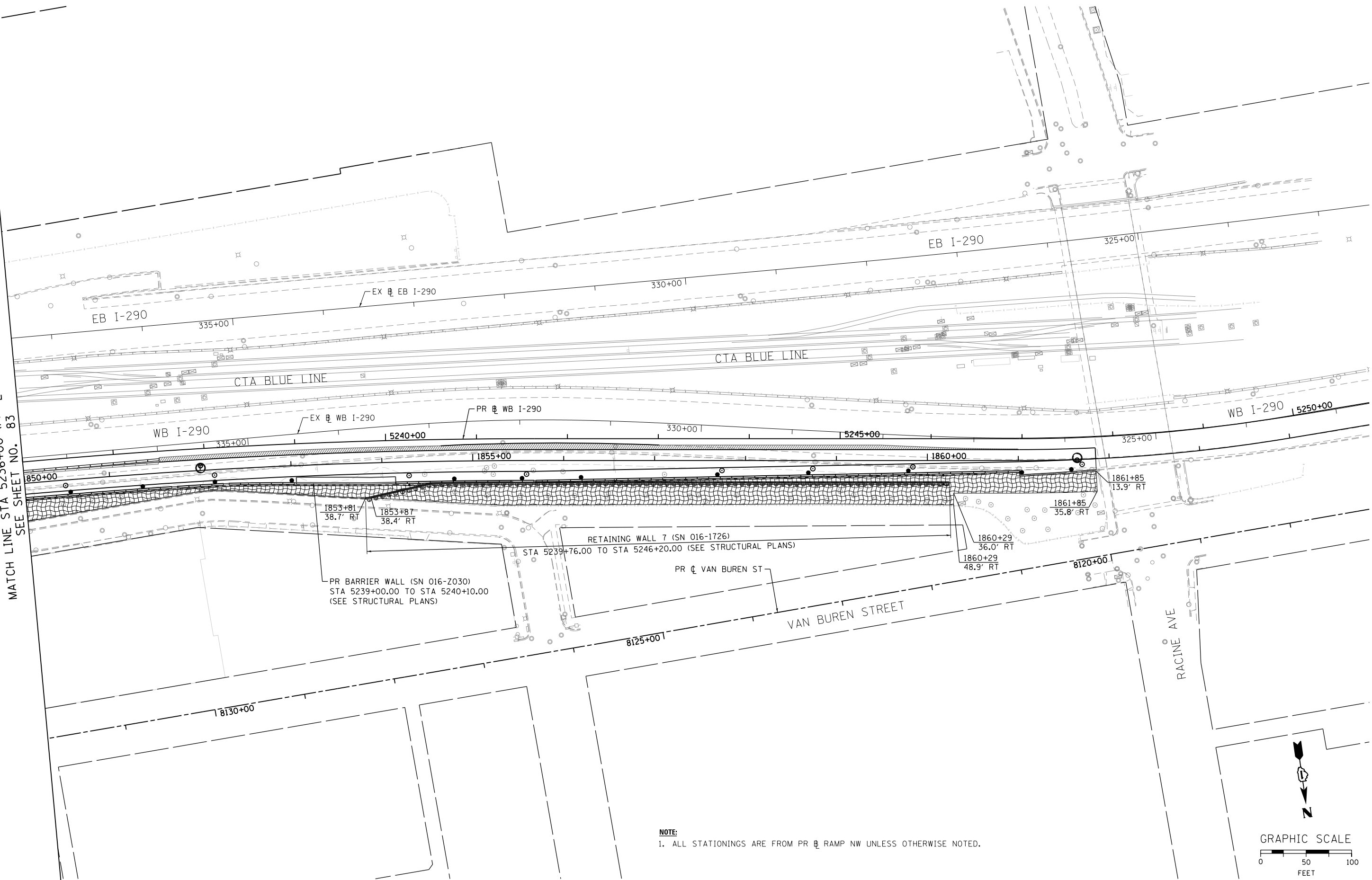
**PERMANENT EROSION AND SEDIMENTATION CONTROL PLAN**

SCALE: 1" = 50' SHEET 2 OF 3 SHEETS STA. 351+00 (EX) TO STA. 5236+00 (PR)

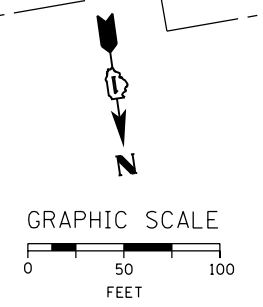
F.A.I. RE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 83
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

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MATCH LINE STA 5236+00 (PR & WB I-290)  
SEE SHEET NO. 83



**NOTE:**  
1. ALL STATIONINGS ARE FROM PR & RAMP NW UNLESS OTHERWISE NOTED.



D160X61-shr-Eros-Perm-03.dgn  
USER NAME = ChiuA  
PLOT SCALE = 50.0000' / in.  
PLOT DATE = 10/15/2014

DESIGNED - AFC	REVISED -
DRAWN - AFC	REVISED -
CHECKED - DBM	REVISED -
DATE - 10/17/14	REVISED -

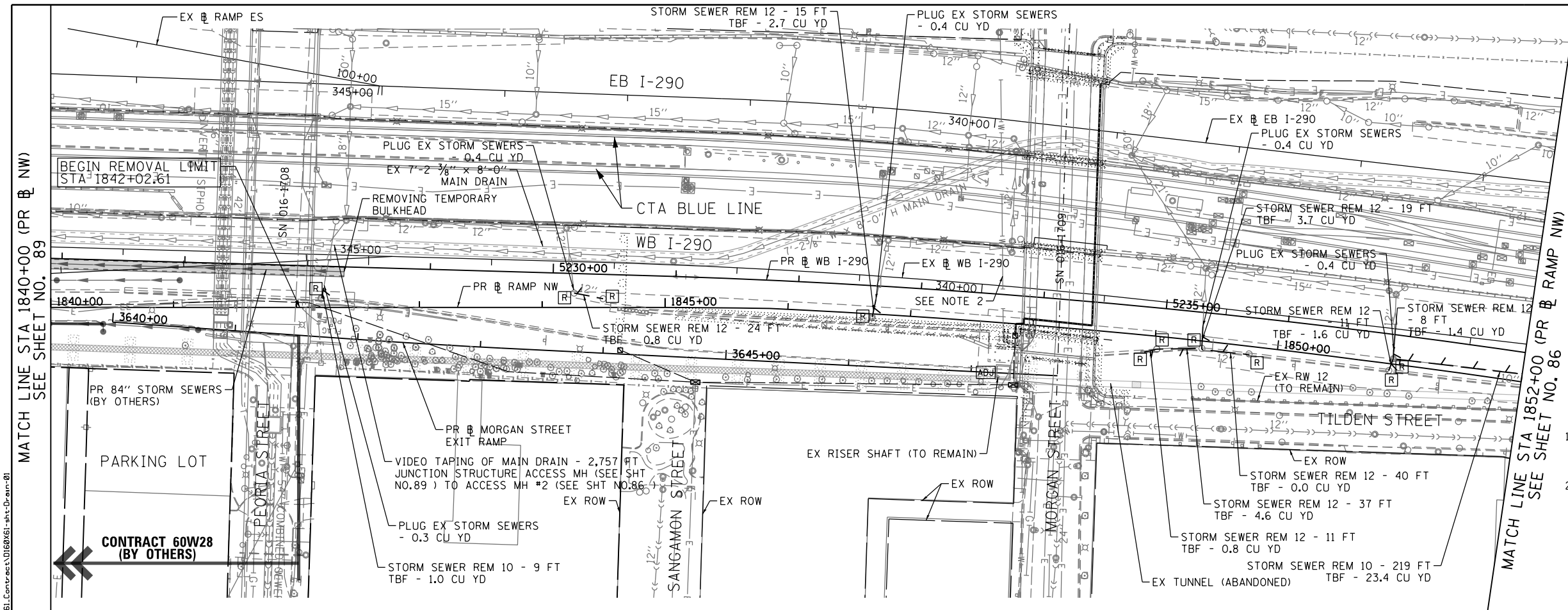
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PERMANENT EROSION AND SEDIMENTATION CONTROL PLAN**

SCALE: 1" = 50' SHEET 3 OF 3 SHEETS STA. 5236+00 (PR) TO STA. 5247+80 (PR)

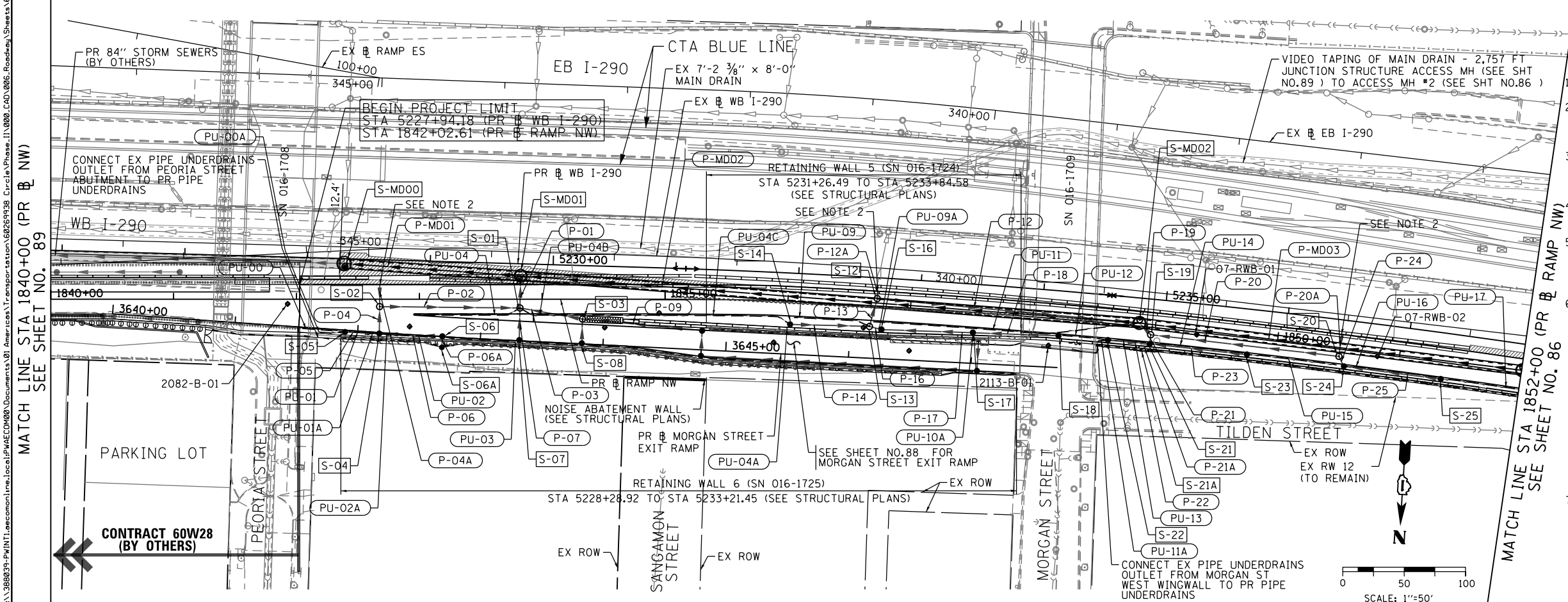
F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 84
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				





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

**EXISTING**



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

**PROPOSED**



D160X61-shd-Drain-01  
 USER NAME = ChiuA  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 12/5/2014

DESIGNED - AFC  
 DRAWN - AFC  
 CHECKED - DBM  
 DATE - 12/05/14

REVISED - 12/12/14  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

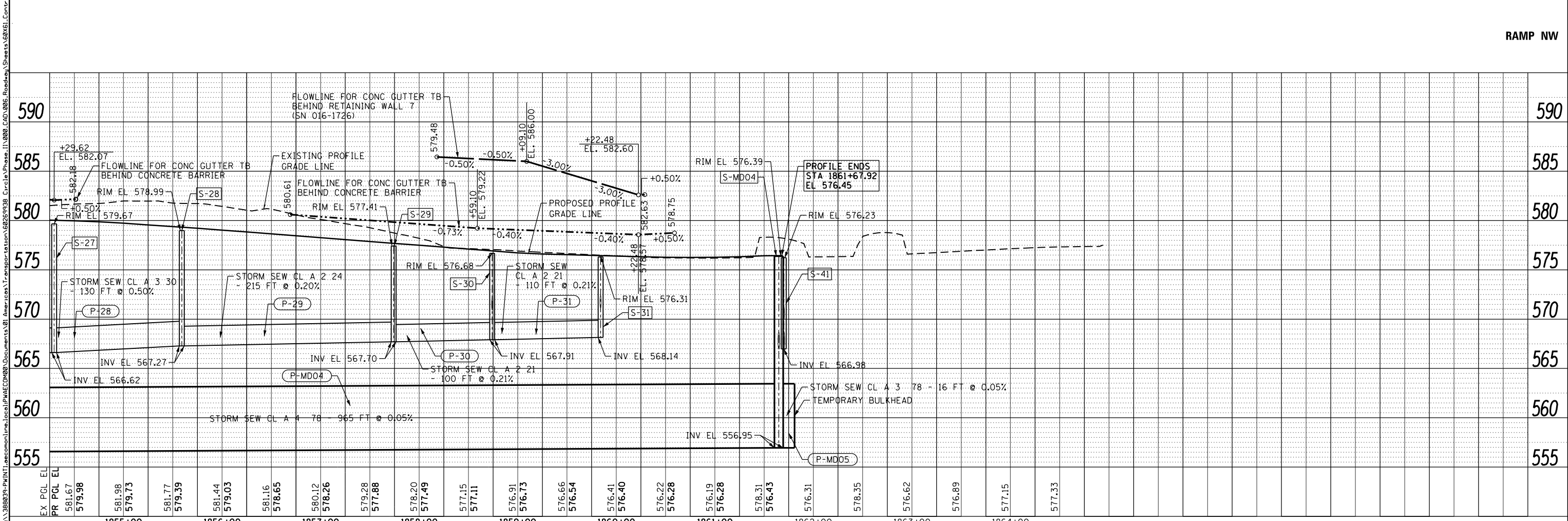
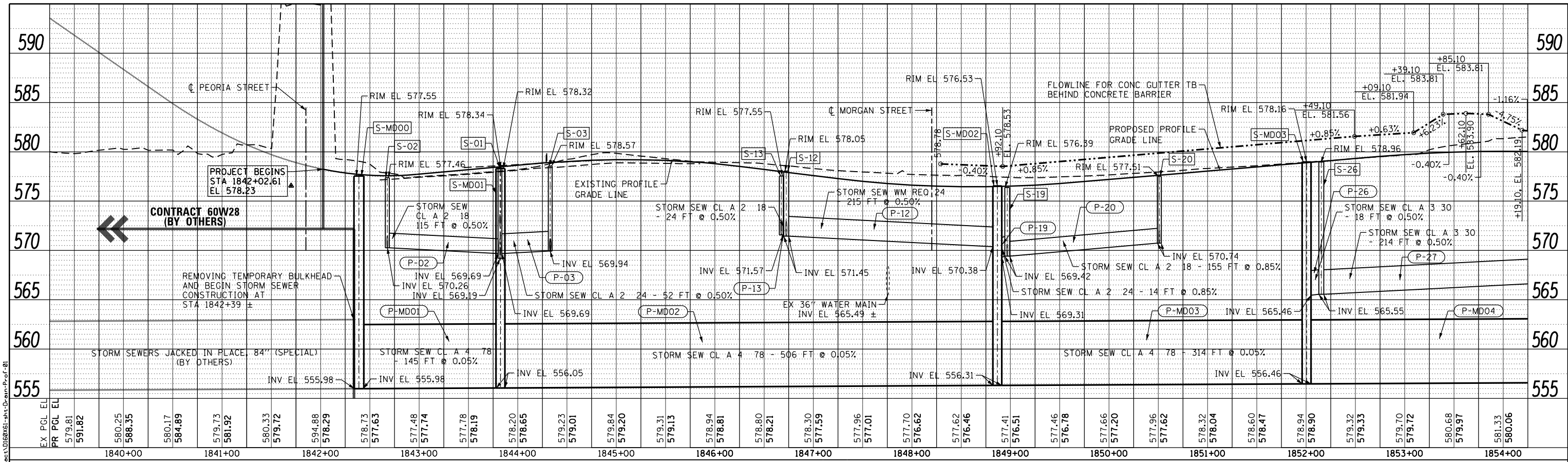
EXISTING AND PROPOSED DRAINAGE AND UTILITY PLAN  
 WB I-290 AUXILIARY LANE

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

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





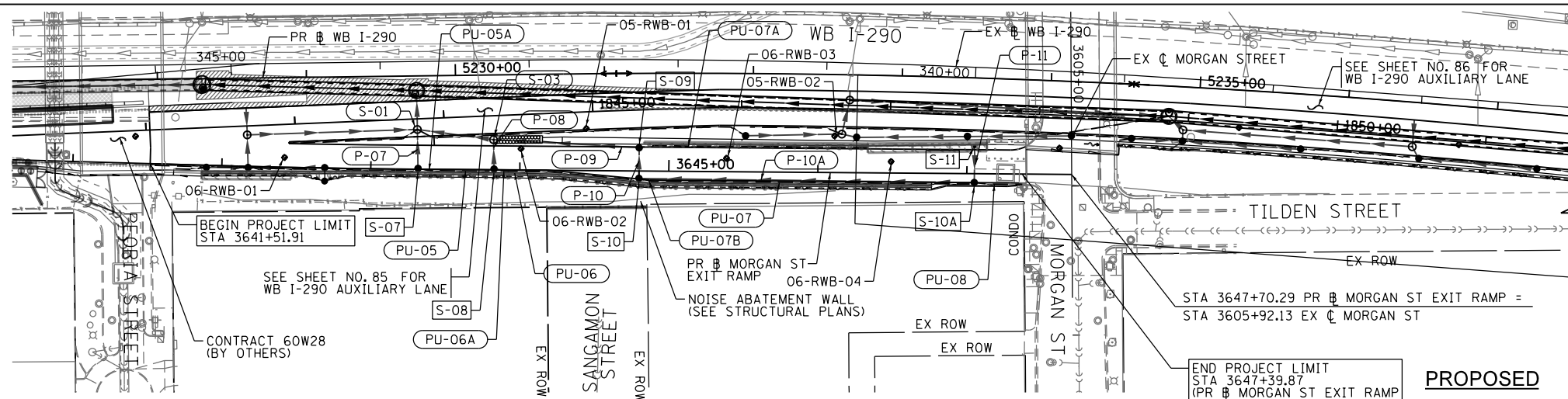
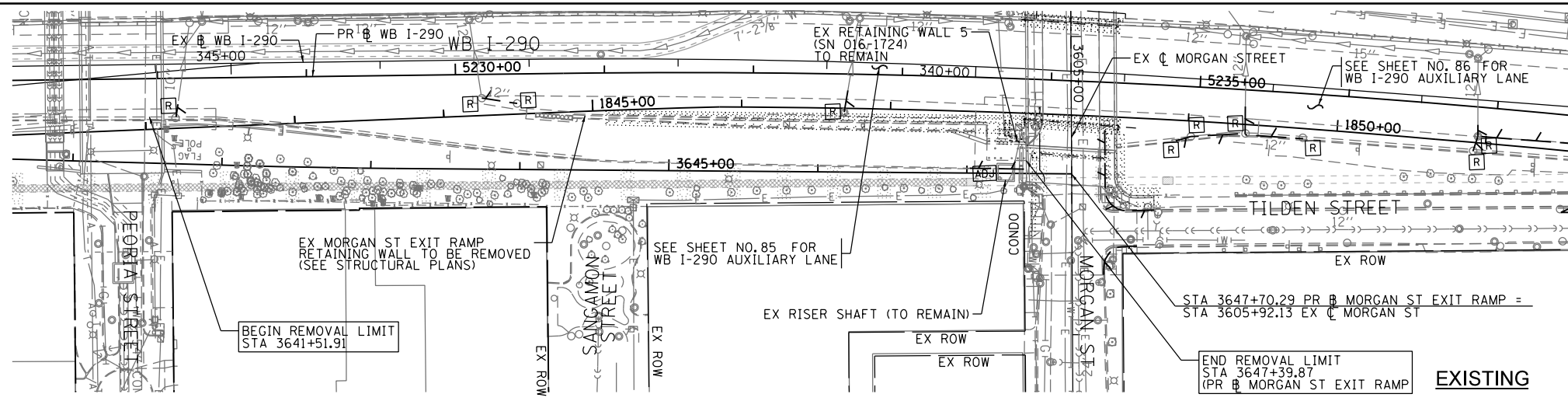


<b>AECOM</b> <small>303 EAST WACKER DRIVE, SUITE 1400          CHICAGO, IL 60601-5276          PHONE: (312) 373-7700 FAX: (312) 373-6800</small>	D160X61-shd-Drain-Prof-01 USER NAME = ChiuA PLOT SCALE = 100.0000' / 1" PLOT DATE = 12/5/2014	DESIGNED - AFC DRAWN - AFC CHECKED - DBM DATE - 12/05/14	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PROFILE          RAMP NW</b>			F.A.I. R.T.E. 90/94/290 SECTION 2013-077R COUNTY COOK TOTAL SHEETS 317 SHEET NO. 87
	SCALE: 1"=50'      SHEET 1 OF 1 SHEETS      STA. 1842+02.61 TO STA. 1861+85.19				CONTRACT NO. 60X61 ILLINOIS FED. AID PROJECT			

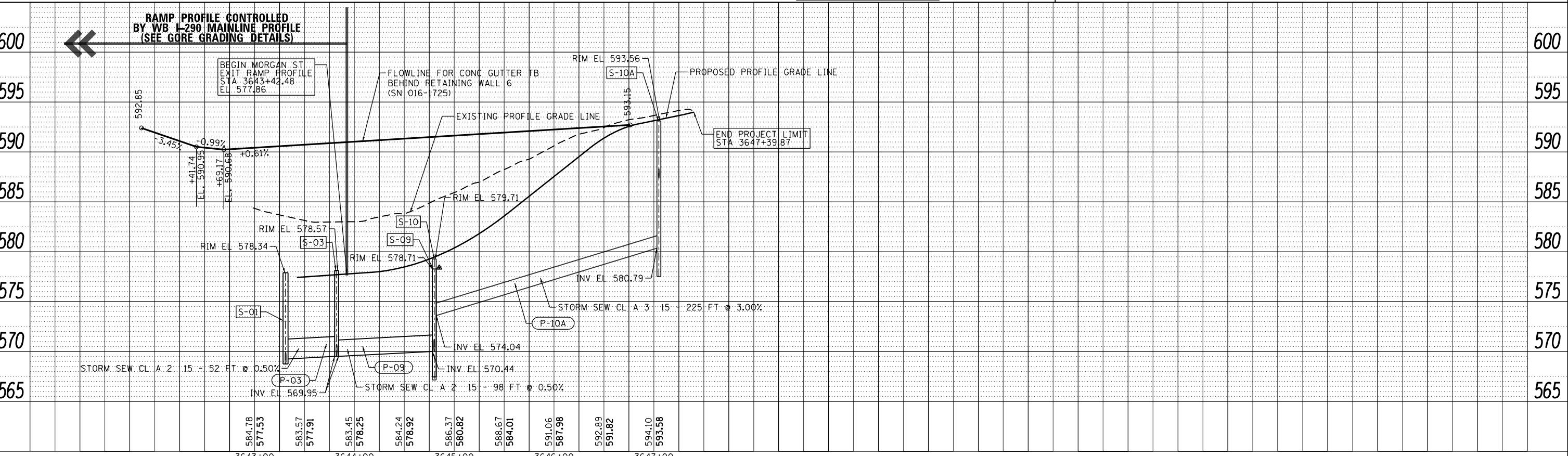
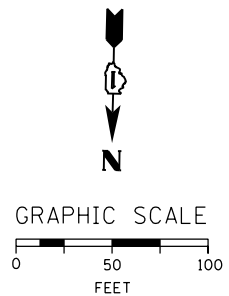
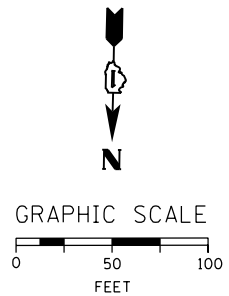
DATE	
BY	
PLAN	SURVEYED
	ALIGNED
	CHECKED
	NO. _____
	NOTE BOOK
	NO. _____
	FILE NAME
	_____

DATE	
BY	
PROFILE	SURVEYED
	GRADES
	CHECKED
	STRUCTURE
	NOTATIONS
	CHRD
	NO. _____

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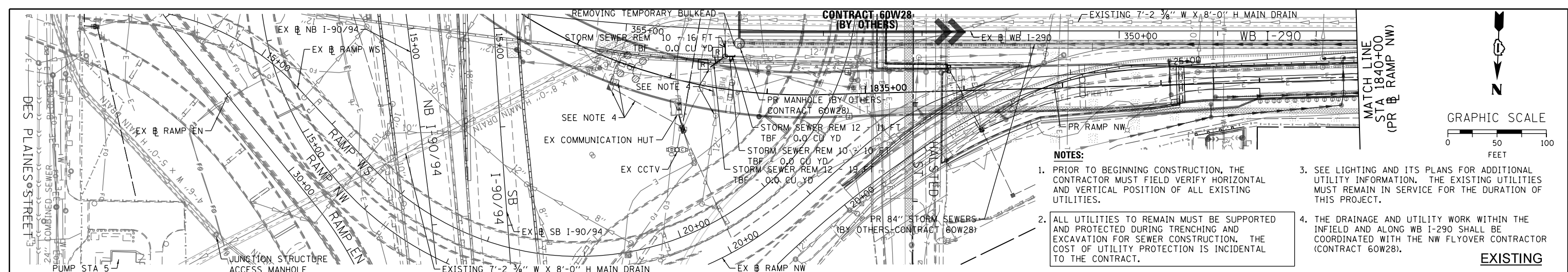
- NOTES:**
1. FOR SOIL BORINGS, 05-RWB-01 TO 05-RWB-02, SEE RETAINING WALL 5 (SN 016-1724) PLANS.
  2. FOR SOIL BORINGS, 06-RWB-01 TO 06-RWB-04, SEE RETAINING WALL 6 (SN 016-1725) PLANS.
  3. SEE LIGHTING, TRAFFIC SIGNAL, AND ITS PLANS FOR ADDITIONAL PROPOSED UTILITY INFORMATION.



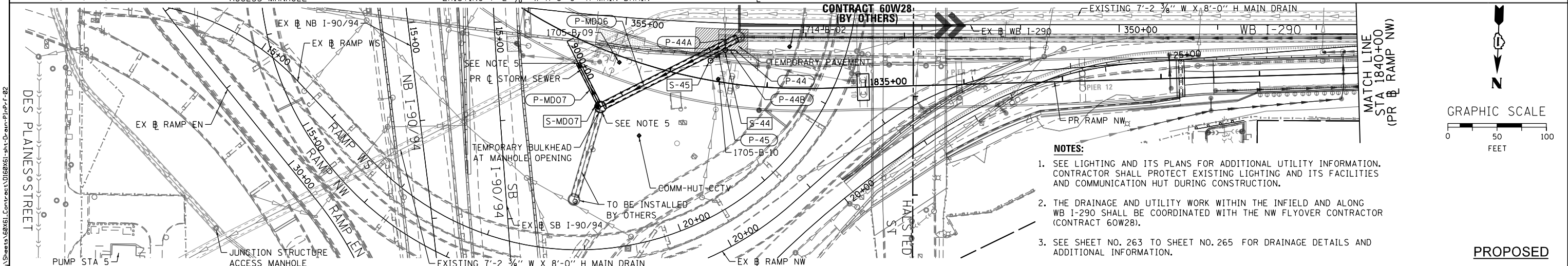
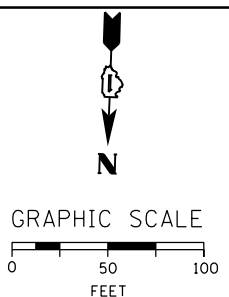
<p>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-7700 FAX: (312) 373-6800</p>	D160X61-ht-Drain-Plan-P-F-01 USER NAME = ChiuA PLOT SCALE = 100.0000' / 1" PLOT DATE = 12/5/2014	DESIGNED - AFC DRAWN - AFC CHECKED - DBM DATE - 12/05/14	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PLAN &amp; PROFILE MORGAN STREET EXIT RAMP</b>		F.A.I. R.T.E. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 88	
	SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. TO STA.											
	CONTRACT NO. 60X61											
	ILLINOIS FED. AID PROJECT											

DATE	
BY	
PLAN	SURVEYED
	NOTED
	CHECKED
	ALIGNED
	FILED
	NO.
	NO.

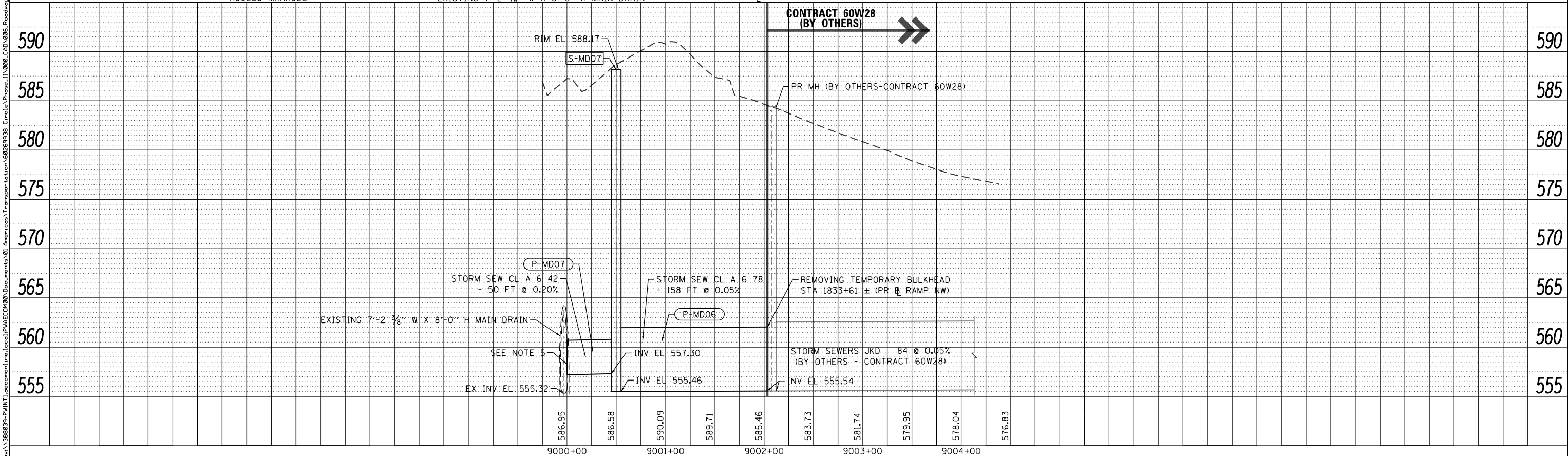
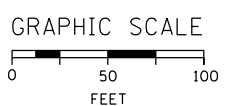
DATE	
BY	
PROFILE	SURVEYED
	GRADES
	CHECKED
	STRUCTURE
	NOTED
	NO.
	NO.



- NOTES:**
1. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR MUST FIELD VERIFY HORIZONTAL AND VERTICAL POSITION OF ALL EXISTING UTILITIES.
  2. ALL UTILITIES TO REMAIN MUST BE SUPPORTED AND PROTECTED DURING TRENCHING AND EXCAVATION FOR SEWER CONSTRUCTION. THE COST OF UTILITY PROTECTION IS INCIDENTAL TO THE CONTRACT.
  3. SEE LIGHTING AND ITS PLANS FOR ADDITIONAL UTILITY INFORMATION. THE EXISTING UTILITIES MUST REMAIN IN SERVICE FOR THE DURATION OF THIS PROJECT.
  4. THE DRAINAGE AND UTILITY WORK WITHIN THE INFIELD AND ALONG WB I-290 SHALL BE COORDINATED WITH THE NW FLYOVER CONTRACTOR (CONTRACT 60W28).



- NOTES:**
1. SEE LIGHTING AND ITS PLANS FOR ADDITIONAL UTILITY INFORMATION. CONTRACTOR SHALL PROTECT EXISTING LIGHTING AND ITS FACILITIES AND COMMUNICATION HUT DURING CONSTRUCTION.
  2. THE DRAINAGE AND UTILITY WORK WITHIN THE INFIELD AND ALONG WB I-290 SHALL BE COORDINATED WITH THE NW FLYOVER CONTRACTOR (CONTRACT 60W28).
  3. SEE SHEET NO. 263 TO SHEET NO. 265 FOR DRAINAGE DETAILS AND ADDITIONAL INFORMATION.

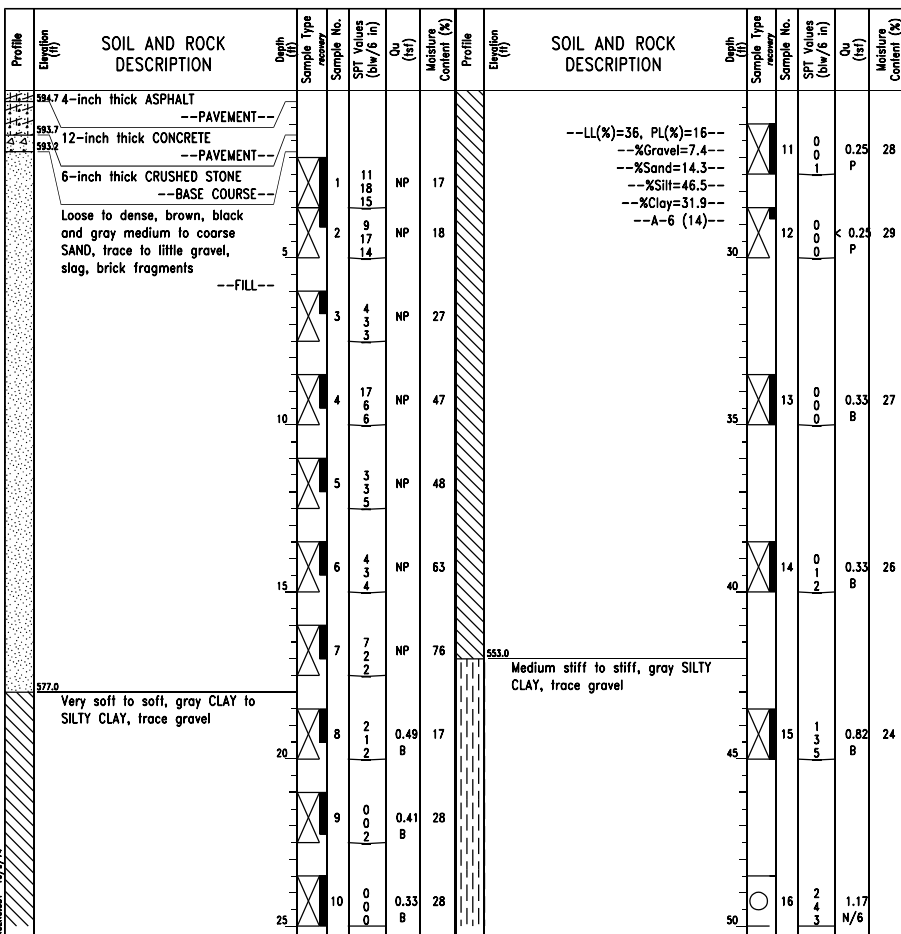


<b>AECOM</b> 303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-1700 FAX: (312) 373-6800	DESIGNED - AFC DRAWN - AFC CHECKED - DBM DATE - 12/05/14	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>DRAINAGE AND UTILITY PLAN AND PROFILE 78" MAIN DRAIN AT INFIELD</b>			F.A.I. R.T.E. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 89
	USER NAME = ChiuA PLOT SCALE = 100.0000' / 1"	DATE = 12/05/14	SCALE: 1" = 50'			SHEET 1 OF 1 SHEETS	STA. 1830+00.00 TO STA. 1840+00.00	<b>CONTRACT NO. 60X61</b>				
	ILLINOIS FED. AID PROJECT											
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**Wang Engineering**  
 wangeng@wangeng.com  
 1145 North Main Street  
 Lombard, IL 60148  
 Telephone: (630) 953-9928  
 Fax: (630) 953-9938

**BORING LOG 2082-B-01**  
 WEI Job No.: 1100-04-01  
 Datum: NAVD 88  
 Elevation: 595.02 ft  
 North: 1898094.24 ft  
 East: 1170474.14 ft  
 Station: 3705+04.48  
 Offset: 8.9443 LT

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



**GENERAL NOTES**  
 Begin Drilling 03-14-2013 Complete Drilling 03-14-2013  
 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

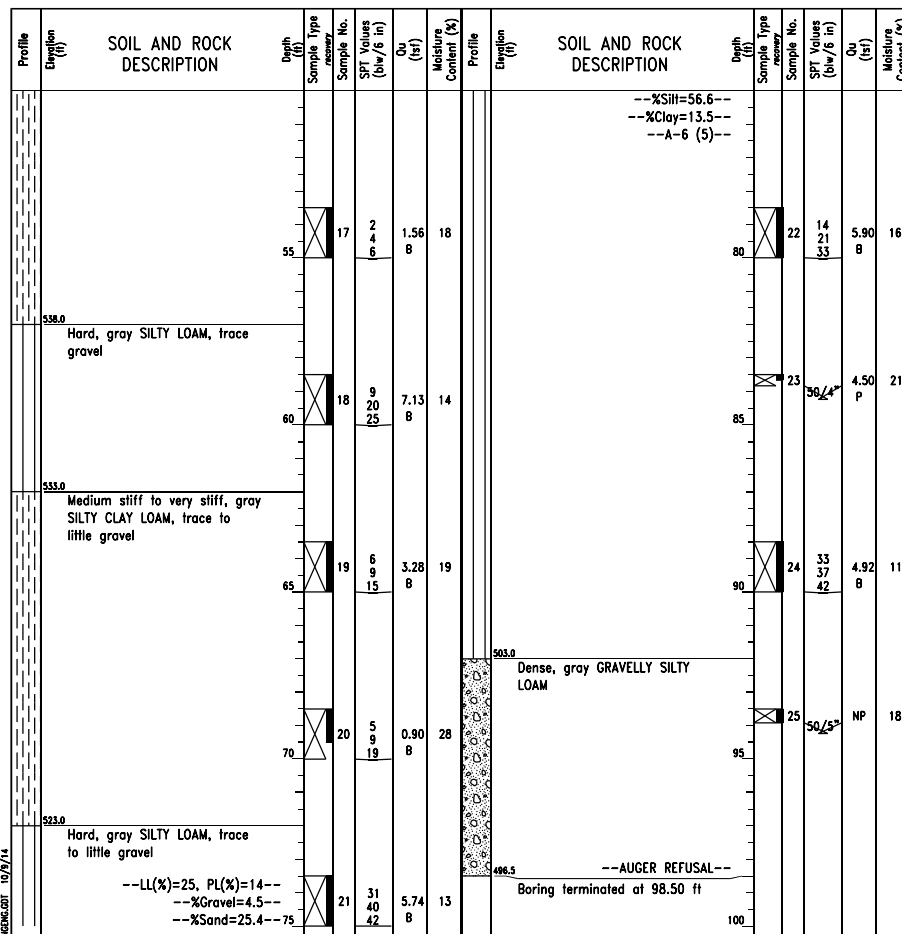
**WATER LEVEL DATA**  
 While Drilling  DRY  
 At Completion of Drilling  DRY  
 Time After Drilling NA  
 Depth to Water NA

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

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

**BORING LOG 2082-B-01**  
 WEI Job No.: 1100-04-01  
 Datum: NAVD 88  
 Elevation: 595.02 ft  
 North: 1898094.24 ft  
 East: 1170474.14 ft  
 Station: 3705+04.48  
 Offset: 8.9443 LT

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



**GENERAL NOTES**  
 Begin Drilling 03-14-2013 Complete Drilling 03-14-2013  
 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

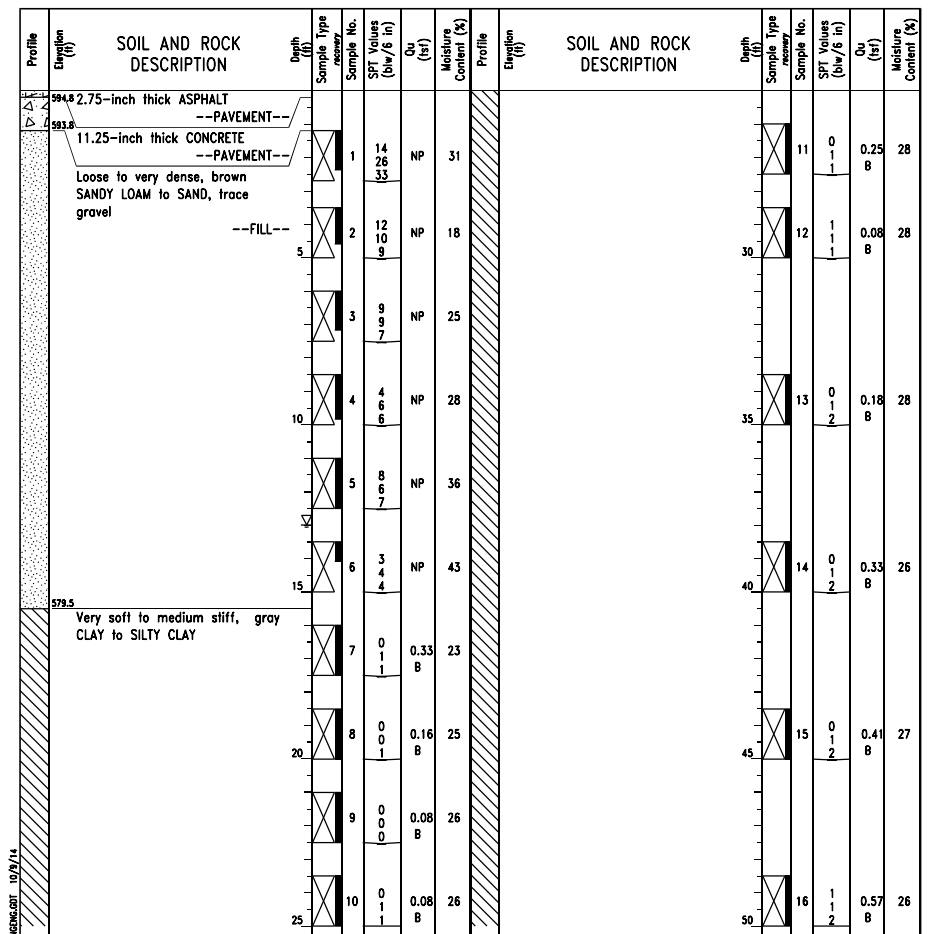
**WATER LEVEL DATA**  
 While Drilling  DRY  
 At Completion of Drilling  DRY  
 Time After Drilling NA  
 Depth to Water NA

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

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

**BORING LOG 2113-B-01**  
 WEI Job No.: 1100-04-01  
 Datum: NAVD 88  
 Elevation: 594.97 ft  
 North: 1898099.14 ft  
 East: 1169854.00 ft  
 Station: 3605+74.46  
 Offset: 8.0134 RT

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



**GENERAL NOTES**  
 Begin Drilling 02-18-2013 Complete Drilling 02-24-2013  
 Drilling Contractor Wang Testing Services Drill Rig B-57 TMR  
 Driller R&J Logger F.Bozga Checked by C. Marin  
 Drilling Method 2.25" SSA to 15', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**  
 While Drilling  13.00 ft  
 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.

BORING LOG	PR RAMP NW	
	STATION	OFFSET
2082-B-01	1841+92.74	3.83' RT
2113-B-01	1848+14.30	22.12' RT
COMM-HUT-CCTV	1832+87.69	70.97' RT
1705-B-09	1832+48.55	6.37' RT
1705-B-10	1833+49.70	2.56' LT
1714-B-02	1834+21.70	42.38' LT

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D160X61-shr-Drain-Boring-01.dgn  
 USER NAME = dshevoz  
 PLOT SCALE = 5.0000' / in.  
 PLOT DATE = 12/05/2014

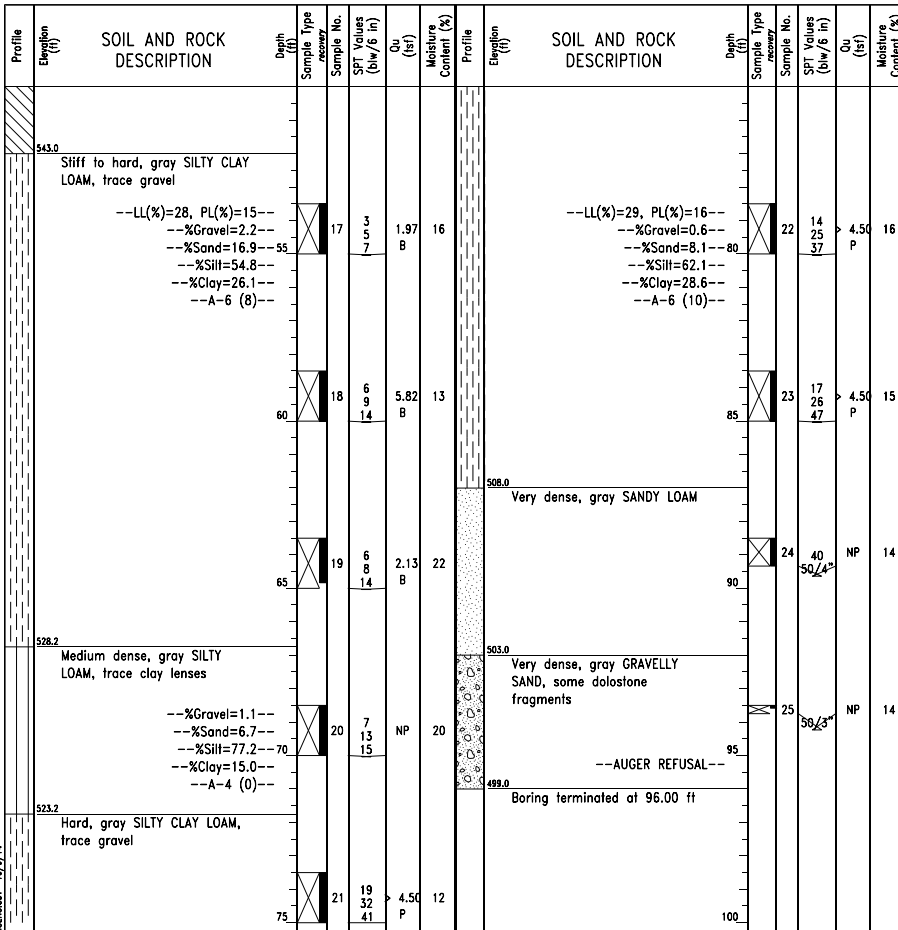
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 12/05/14	REVISED -

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

**DRAINAGE BORING LOGS I**  
 SCALE: NTS SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	89A
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

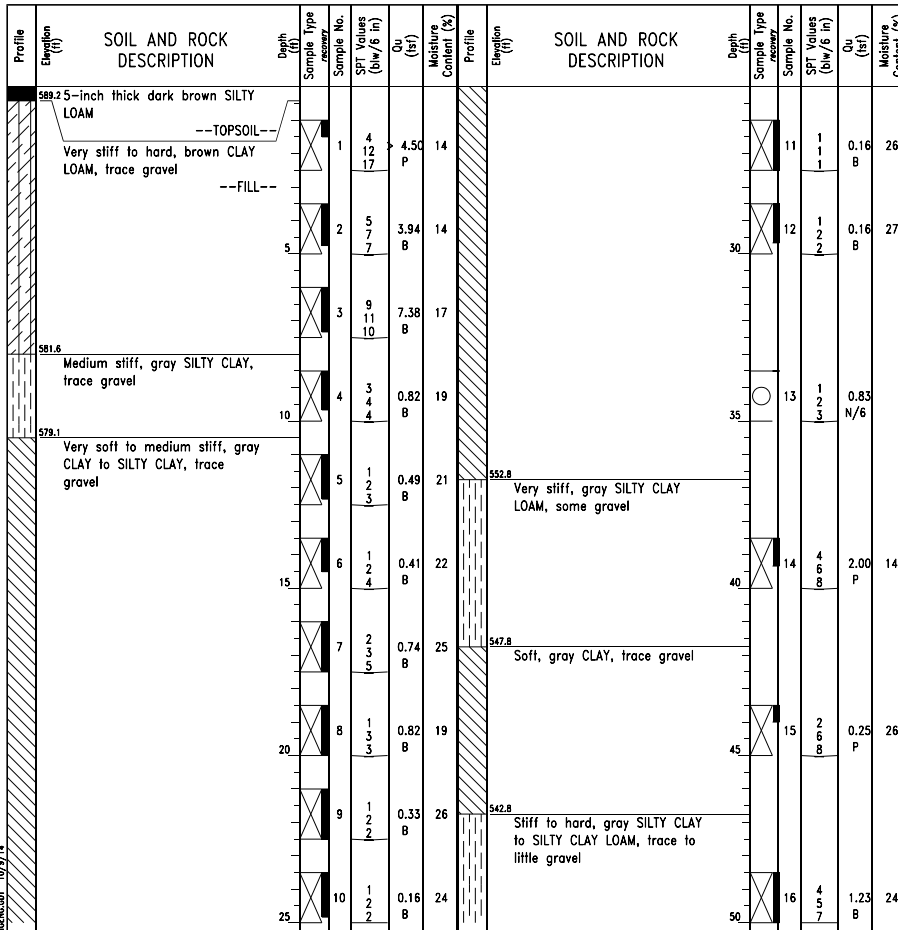




**GENERAL NOTES**  
 Begin Drilling 02-18-2013 Complete Drilling 02-24-2013  
 Drilling Contractor Wang Testing Services Drill Rig B-57 TMR  
 Driller R&J Logger F.Bozga Checked by C. Marin  
 Drilling Method 2.25" SSA to 15', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**  
 While Drilling 13.00 ft  
 At Completion of Drilling NA  
 Time After Drilling NA  
 Depth to Water NA

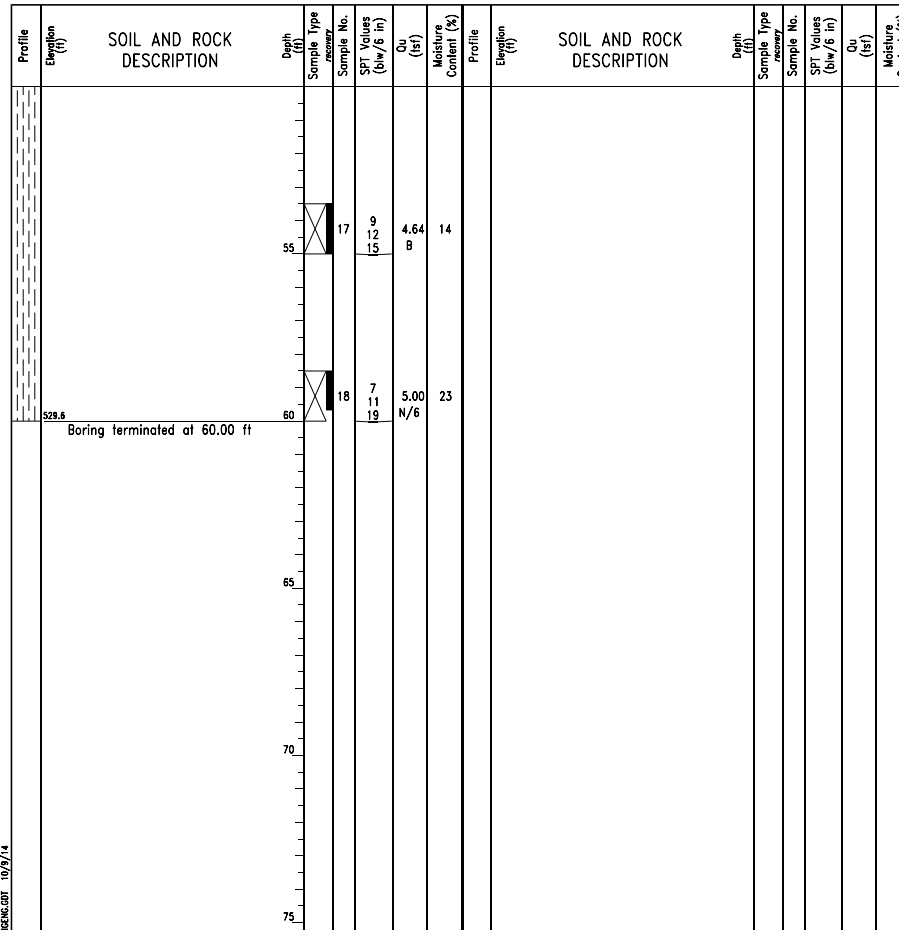
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



**GENERAL NOTES**  
 Begin Drilling 11-08-2013 Complete Drilling 11-08-2013  
 Drilling Contractor Wang Testing Services Drill Rig D-25 ATV  
 Driller P&N Logger D. Kolpacki Checked by  
 Drilling Method 2.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

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

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



**GENERAL NOTES**  
 Begin Drilling 11-08-2013 Complete Drilling 11-08-2013  
 Drilling Contractor Wang Testing Services Drill Rig D-25 ATV  
 Driller P&N Logger D. Kolpacki Checked by  
 Drilling Method 2.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

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

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

FILE PATH = F:\WORK\Circle Interchange\60X61\_Aux\_Lane\Printing\2014\1015-60X61-Final\0160X61-shr-Drain-Boring-02.dgn



D160X61-shr-Drain-Boring-02.dgn  
 USER NAME = chiuA  
 PLOT SCALE = 2.5000' / in.  
 PLOT DATE = 10/15/2014

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE - 10/17/14

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE  
 BORING LOGS II**

SCALE: NTS SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	89B
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
589.7	10-inch thick, dark brown LOAM --TOPSOIL--	0													
587.4	Medium dense, brown and gray, SILTY LOAM, trace roots and gravel	1		6	13	NP	10					11	0	0.25	24
587.4	Medium dense, brown, medium SAND	2		10	9	NP	14					12	0	0.25	25
585.1	Medium to very stiff, gray SILTY CLAY, trace gravel	3		2	3		20					13	0	0.16	29
580.1	Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel	4		2	1		22					14	1	0.25	25
		5		3	1		22					15	0	0.33	18
		6		0	0		18					16	2	0.33	29
		7		0	0		26					17	7	1.50	20
		8		0	0		21					18	6	3.69	15
		9		1	2		23					19	7	4.10	23
		10		0	2		23					20	23	4.51	10
		25		0	2		23					21	9	NP	21

**GENERAL NOTES**  
 Begin Drilling 07-29-2013 Complete Drilling 07-29-2013  
 Drilling Contractor Wang Testing Services Drill Rig CME-55 TMR  
 Driller R&J Logger A. Tomaras 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.

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
513.8	Hard, gray SILTY LOAM to SILTY CLAY LOAM, trace gravel	17		7	10	1.50	20					22	17	9.43	14
533.8	Very stiff, gray SILTY CLAY, trace gravel	55		10	13		P					23	20	7.30	13
	--LL(%)=22, PL(%)=15-- --%Gravel=2.8-- --%Sand=9.6-- --%Silt=70.0-- --%Clay=17.6-- --A-4 (4)--	60		6	7	3.69	15					24	20	4.50	8
528.8	Hard, gray CLAY, trace gravel	60		7	14		B					25	25	4.50	12
	--HARD DRILLING-- --Possible Cobbles--	65		7	10	4.10	23					26	39	NP	21
523.8	Hard, gray SILTY CLAY LOAM, trace gravel and sand lenses	70		23	25	4.51	10					27	24	50/3	20
518.8	Medium dense, gray SILTY LOAM	70		25	23		S					28	28	50/2	
	Very dense, gray SILT	75		9	10	NP	21					29	39	NP	21

**GENERAL NOTES**  
 Begin Drilling 07-29-2013 Complete Drilling 07-29-2013  
 Drilling Contractor Wang Testing Services Drill Rig CME-55 TMR  
 Driller R&J Logger A. Tomaras 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.

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
483.3	Very dense, GRAVEL / WEATHERED DOLOSTONE BEDROCK	110													
479.6	Boring terminated at 111.00 ft	110													

**GENERAL NOTES**  
 Begin Drilling 07-29-2013 Complete Drilling 07-29-2013  
 Drilling Contractor Wang Testing Services Drill Rig CME-55 TMR  
 Driller R&J Logger A. Tomaras 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.

FILE PATH = F:\WORK\Circle Interchange\60X61-Aux Lane\Printing\2014\1015-60X61-Final\0160X61-shr-Drain-Boring-03.dgn



D160X61-shr-Drain-Boring-03.dgn  
 USER NAME = chiuA  
 PLOT SCALE = 2.5000" / 1"  
 PLOT DATE = 10/15/2014

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE  
 BORING LOGS III**

SCALE: NTS SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	89C
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				



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

**BORING LOG 1705-B-10**  
 WEI Job No.: 1100-04-01  
 Datum: NAVD 88  
 Elevation: 588.29 ft  
 North: 1898131.01 ft  
 East: 1171315.43 ft  
 Station: 1833+49.70  
 Offset: 2.5590 LT

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

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

**BORING LOG 1705-B-10**  
 WEI Job No.: 1100-04-01  
 Datum: NAVD 88  
 Elevation: 588.29 ft  
 North: 1898131.01 ft  
 East: 1171315.43 ft  
 Station: 1833+49.70  
 Offset: 2.5590 LT

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

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

**BORING LOG 1705-B-10**  
 WEI Job No.: 1100-04-01  
 Datum: NAVD 88  
 Elevation: 588.29 ft  
 North: 1898131.01 ft  
 East: 1171315.43 ft  
 Station: 1833+49.70  
 Offset: 2.5590 LT

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

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (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 (%)
587.3	12-inch thick, dark brown LOAM --TOPSOIL--							--LL(%)=35, PL(%)=17-- --%Gravel=2.9-- --%Sand=13.3-- --%Silt=49.9-- --%Clay=33.9-- --A-6 (14)--	11	1	1	0.08	26
584.3	Medium dense, brown LOAM, trace gravel, crushed stone, and brick fragments --FILL--							--In-Situ Vane Shear, 28.0 feet-- --Su undis = 699.3 psf-- --Su remold = 414.9 psf-- --Sensitivity = 1.69--	12	2	2	0.08	22
582.8	Medium dense, brown SAND --FILL--								13	3	3	0.16	25
580.3	Very stiff, gray SILTY CLAY, trace gravel								14	4	4	0.16	25
	Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel								15	5	5	0.49	19
	--In-Situ Vane Shear, 13.0 feet-- --Su undis = 1061.9 psf-- --Su remold = 543.9 psf-- --Sensitivity = 1.95--								16	6	6	0.41	20
	--In-Situ Vane Shear, 18.0 feet-- --Su undis = 1191.4 psf-- --Su remold = 543.9 psf-- --Sensitivity = 2.19--								17	7	7	0.33	25
	--In-Situ Vane Shear, 23.0 feet-- --Su undis = 802.9 psf-- --Su remold = 414.4 psf-- --Sensitivity = 1.94--								18	8	8	0.41	22
									19	9	9	0.16	22
									20	10	10	0.25	24

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 (%)
533.8	Medium dense, gray, medium SAND								17	8	12	4.84	14
531.5	Hard, gray SILTY CLAY, trace gravel and fine sand lenses								18	6	10	4.02	19
504.0	Very dense, gray SILT to SILTY LOAM, trace to some gravel								19	10	20	4.18	19
	--HARD DRILLING (5 min/0.5")-- --Possible Cobbles--								20	5	12	30	27
521.5	Stiff, gray, laminated layers of CLAY and SILT								21	10	14	9.51	12
516.5	Hard, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel								22	10	14	31	12
492.0	Very dense, gray SILT								23	37	37	50/5	13
									24	50/2	50/2	NP	11
									25	50/6	50/6	NP	11
									26	20	26	40	17

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 (%)
486.5	Very dense, gray GRAVELLY SAND, trace cobbles --HARD DRILLING-- --Possible Cobbles--								27	50/2	50/2	NP	11
481.5	Strong, poor to fair rock quality, light gray, fresh, vertical and horizontal joints, joint breaks with little to no infill, horizontal stylolites, slightly vuggy DOLOSTONE								28	50/2	50/2	NP	11
	--Run 1 - RECOVERY= 97.5%-- --ROD(top 5ft)=73%-- --ROD(10ft)=50%--								29	50/2	50/2	NP	11
471.3	Boring terminated at 117.00 ft								30	50/2	50/2	NP	11

**GENERAL NOTES**

Begin Drilling 07-30-2013 Complete Drilling 08-01-2013  
 Drilling Contractor Wang Testing Services Drill Rig CME-55 TMR  
 Driller R&J Logger A. Tomaras Checked by C. Marin  
 Drilling Method 2.25" SSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling  DRY  
 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 07-30-2013 Complete Drilling 08-01-2013  
 Drilling Contractor Wang Testing Services Drill Rig CME-55 TMR  
 Driller R&J Logger A. Tomaras Checked by C. Marin  
 Drilling Method 2.25" SSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling  DRY  
 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 07-30-2013 Complete Drilling 08-01-2013  
 Drilling Contractor Wang Testing Services Drill Rig CME-55 TMR  
 Driller R&J Logger A. Tomaras Checked by C. Marin  
 Drilling Method 2.25" SSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling  DRY  
 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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D160X61-sh-Drain-Boring-04.dgn  
 USER NAME = chiuA  
 PLOT SCALE = 2.5000" / 1"  
 PLOT DATE = 10/15/2014

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE  
 BORING LOGS IV**

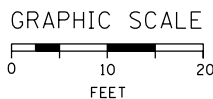
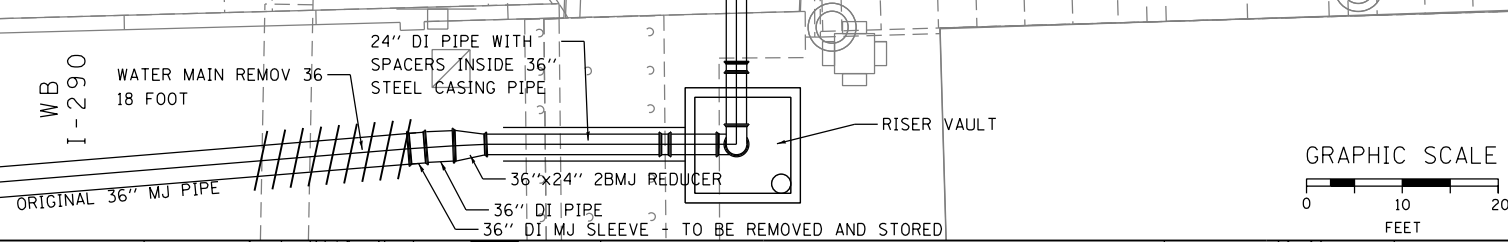
SCALE: NTS SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	89D
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

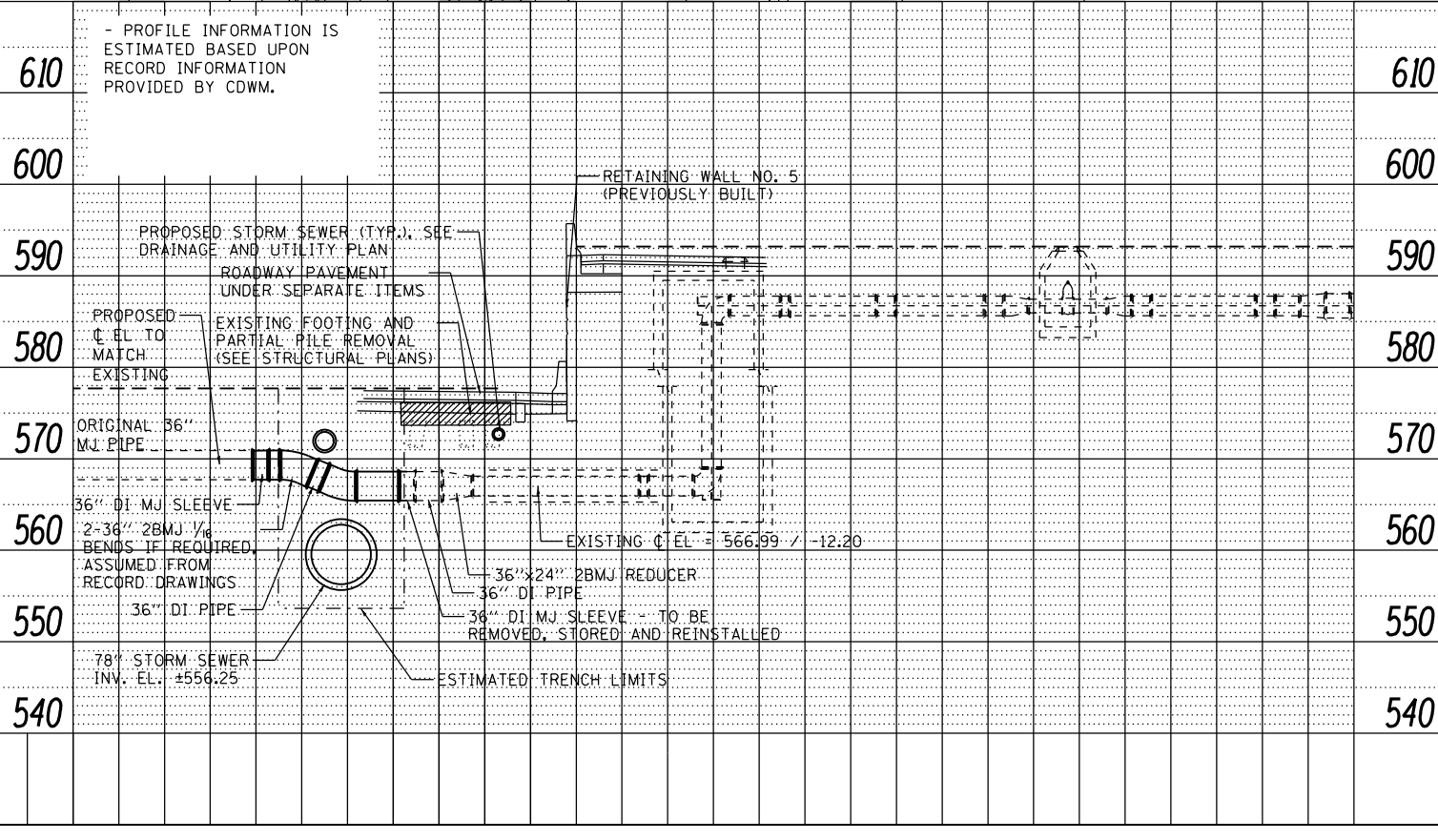
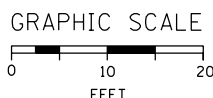
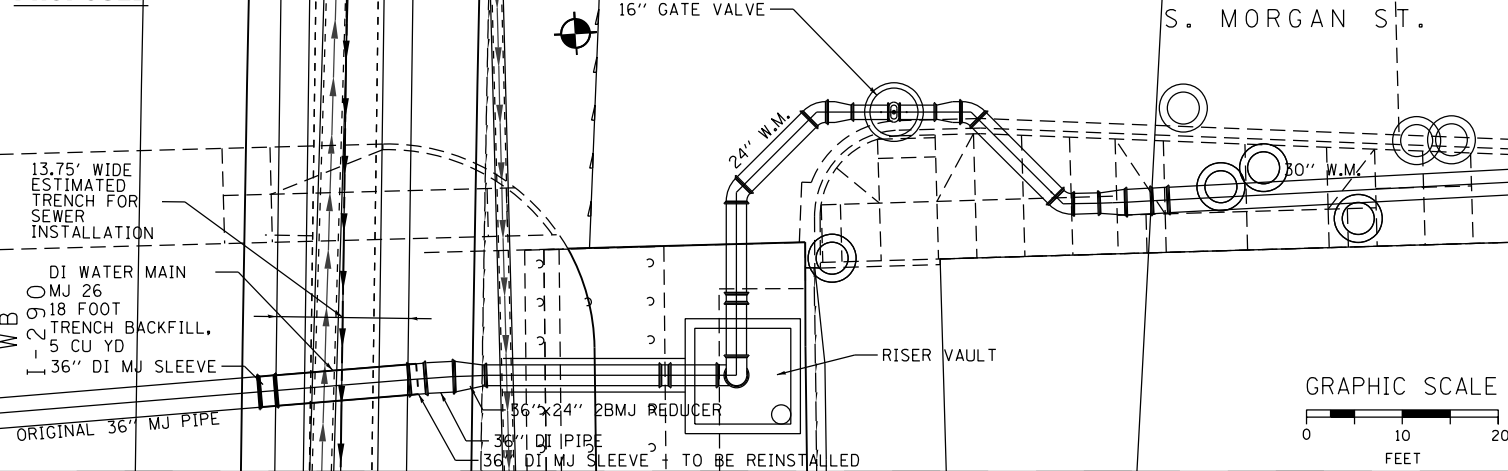


**EXISTING**

- THE EXISTING WATER MAIN HAS BEEN LOCATED BASED ON INFORMATION GATHERED IN A LEVEL "B" SUE SURVEY. THE PROPOSED LAYOUT SHALL BE ADJUSTED TO MEET THE EXISTING ALIGNMENT. RECORD LOCATION INFORMATION FOR WATER MAIN INSTALLED UNDER A PREVIOUS IDOT CONTRACT WAS NOT SURVEYED.



**PROPOSED**



D:\6061-sht-WM-01.dgn	DESIGNED - MSC	REVISED -
USER NAME = Cooper-M2	DRAWN - MSC	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RBB	REVISED -
PLOT DATE = 12/5/2014	DATE - 12/05/14	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WATERMAIN REMOVAL AND REPLACEMENT PLAN

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

**WATER MAIN GENERAL NOTES:**

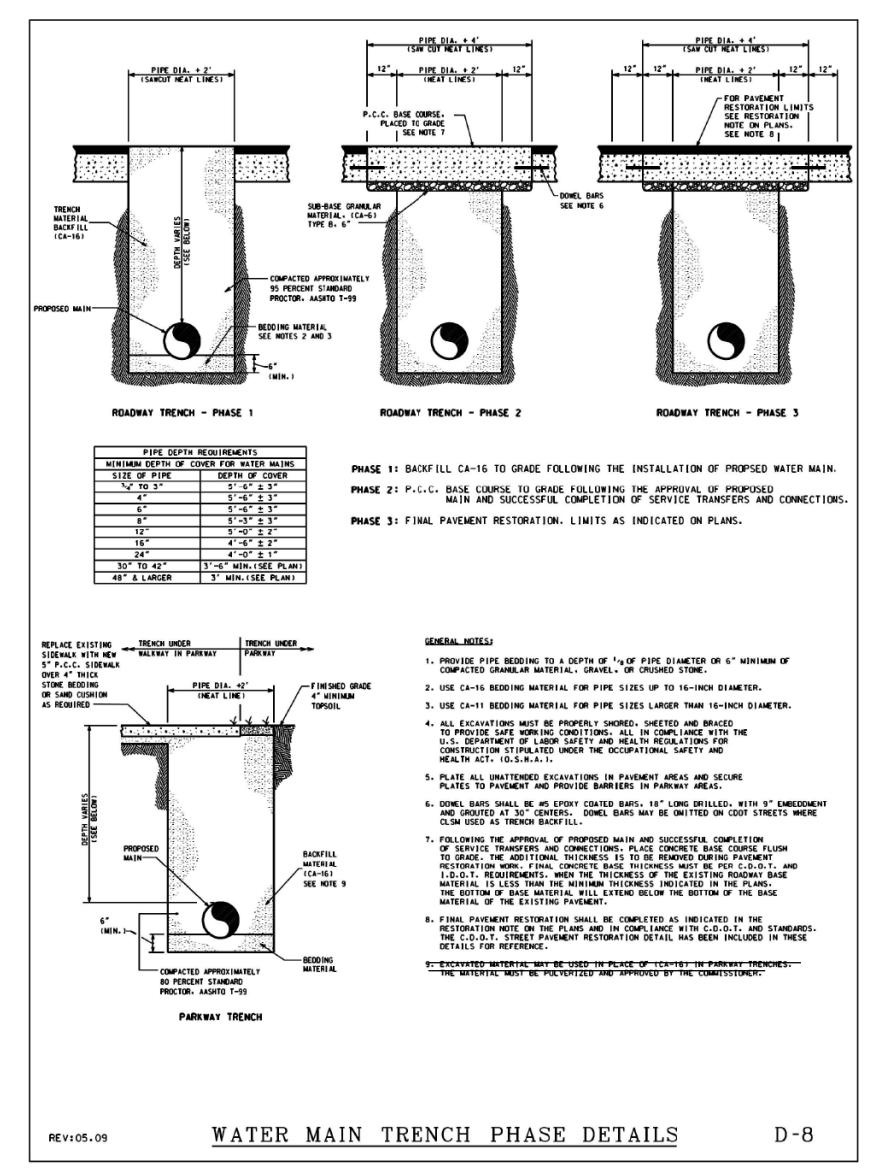
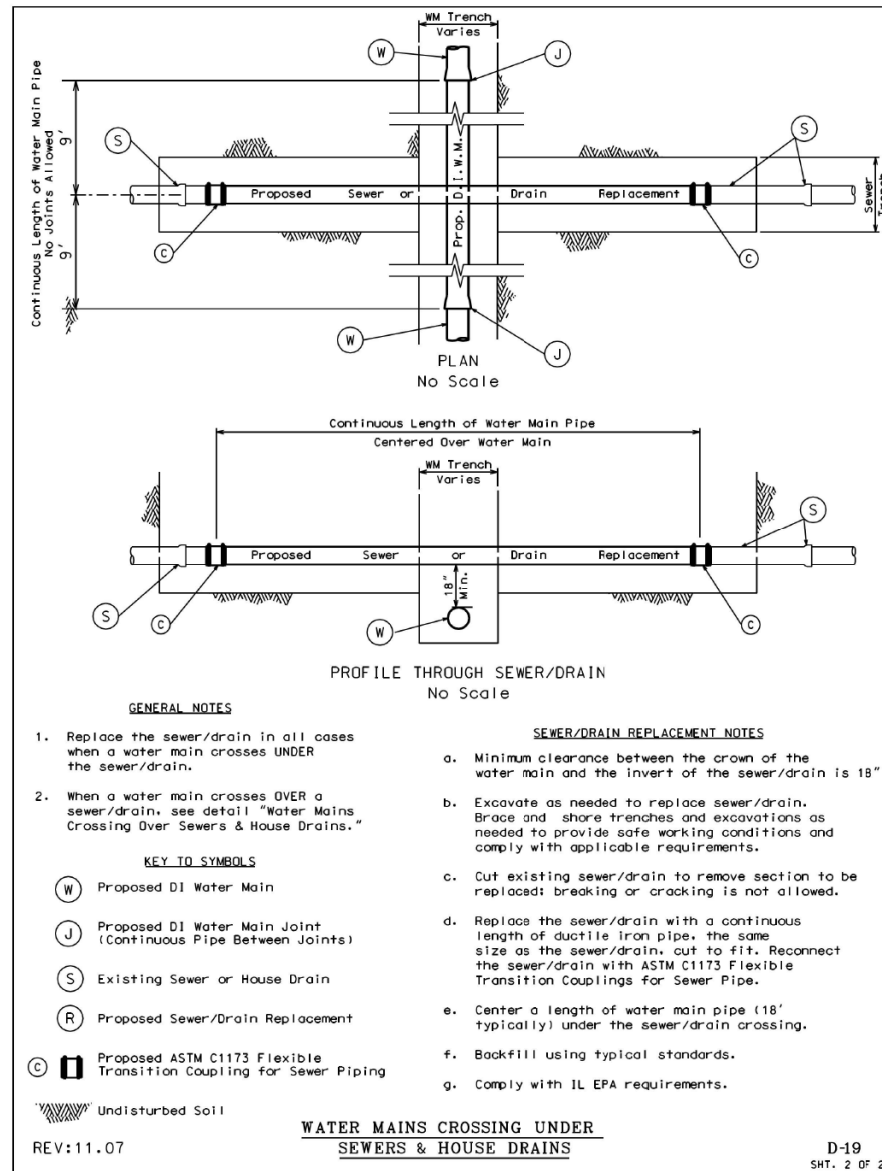
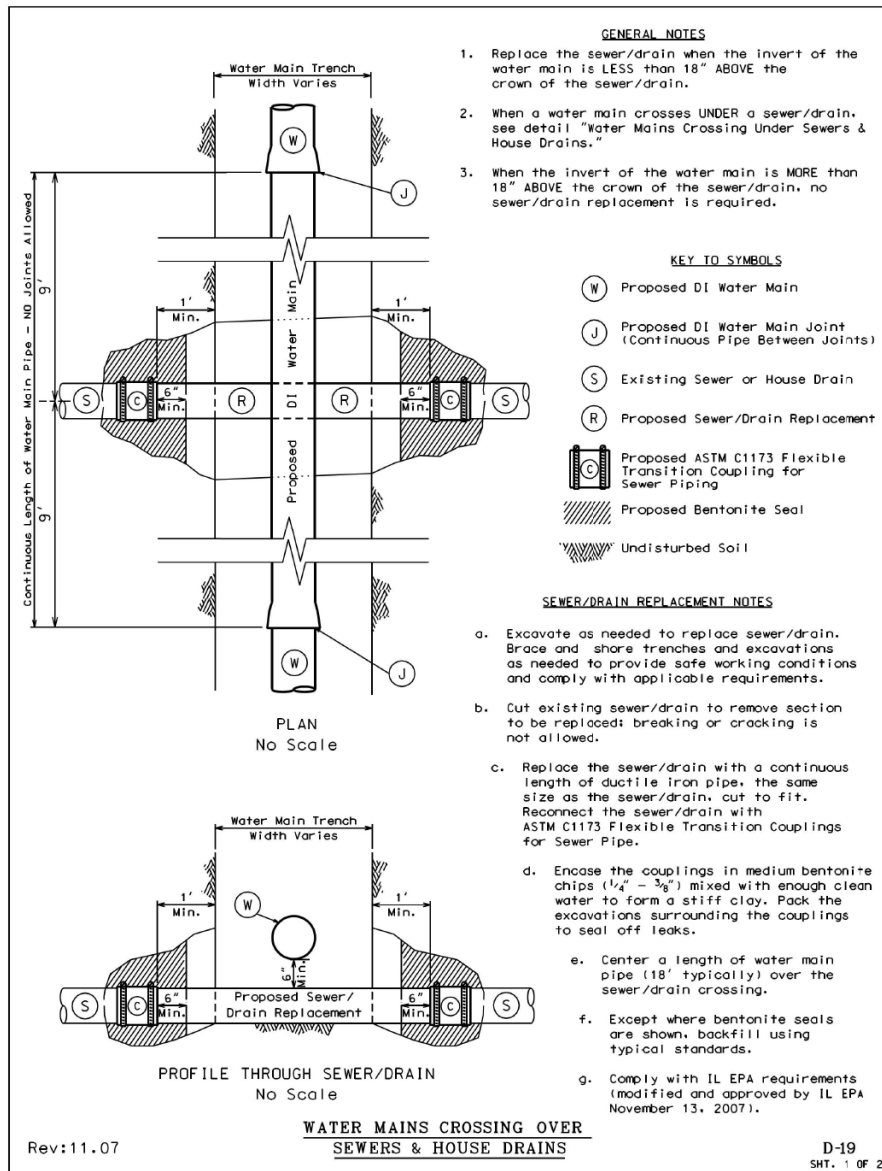
- LOCATION OF UTILITIES AND PROPERTY LINES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED.
- THE CONTRACTOR MUST VERIFY THE LOCATION OF UNDERGROUND UTILITIES WITH THE UTILITY OWNERS PRIOR TO DOING ANY WORK IN THE VICINITY. THE CONTRACTOR MUST COMPLY WITH REQUIREMENTS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

**CONSTRUCTION/SEQUENCING NOTES:**

- NOTE: ALL OF THE FOLLOWING WATER MAIN CONSTRUCTION MUST BE COORDINATED AND SEQUENCED WITH 78" SEWER CONSTRUCTION AND FOOTING/PILE REMOVAL.
1. CONTACT CDWM FOR SHUTDOWN OF WATER MAIN. (312-744-5070)
  2. DEWATERING OF EXISTING PIPE SHALL BE COORDINATED WITH PIPE REMOVAL.
  3. PERFORM EXPLORATION, INCLUDING TEST HOLES AS REQUIRED, TO DETERMINE EXISTING PIPE ALIGNMENT AND GRADE. THE EXACT LOCATION AND DEPTH OF WATER MAIN IS TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR. THE MEASUREMENTS NEED TO BE MADE PRIOR TO MATERIAL PROCUREMENT AND REQUIRED SUBMITTALS. THE WATER MAIN TO BE INSTALLED SHALL BE BASED UPON THE FIELD MEASUREMENTS, AND NOT THIS DESIGN DRAWING.
  4. EXCAVATE AND EXPOSE EXISTING WATER MAIN. INSTALL ANY NECESSARY TRENCH PROTECTION.
  5. CUT AND CAP EXISTING 36" WATER MAIN TO THE SOUTH. REMOVE AND STORE EXISTING SLEEVE TO BE RETAINED AND REUSED AT NORTH CONNECTION. CAP EXISTING 36" WATER MAIN TO THE NORTH. REMOVE EXISTING PIPE THAT CONFLICTS WITH SEWER CONSTRUCTION. THE REMOVAL OF ANY EXISTING THRUST RESTRAINT BLOCK SHALL BE PAID FOR AS CONCRETE REMOVAL (SPECIAL).
  6. PROTECT ALL EXISTING WATER MAIN PIPE AND FITTINGS TO REMAIN DURING DEMOLITION OF THE EXISTING FOOTING AND DURING ALL PILE REMOVAL ACTIVITIES.
  7. AFTER BACKFILLING SEWER INSTALLATION TO THE WATER MAIN INSTALLATION LOCATION, REMOVE TEMPORARY CAPS AND INSTALL NEW 36" WATER MAIN PIPE AND FITTINGS, INCLUDING NEW AND EXISTING SLEEVES.
  8. BACKFILL TRENCH TO PAVEMENT SUBGRADE PER TRENCH DETAILS.
  9. CONTACT CDWM TO OPERATE VALVES FOR FILLING AND FLUSHING WATER MAIN.
  10. FLUSH, PRESSURE TEST AND DISINFECT PER GENERAL NOTES AND SPECIAL PROVISIONS.

F.A.I. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	89F
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

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 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 12/4/2014

DESIGNED - MSC  
 DRAWN - MSC  
 CHECKED - RBB  
 DATE - 12/05/14

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

WATER MAIN REMOVAL AND RELOCATION DETAILS

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	89G
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

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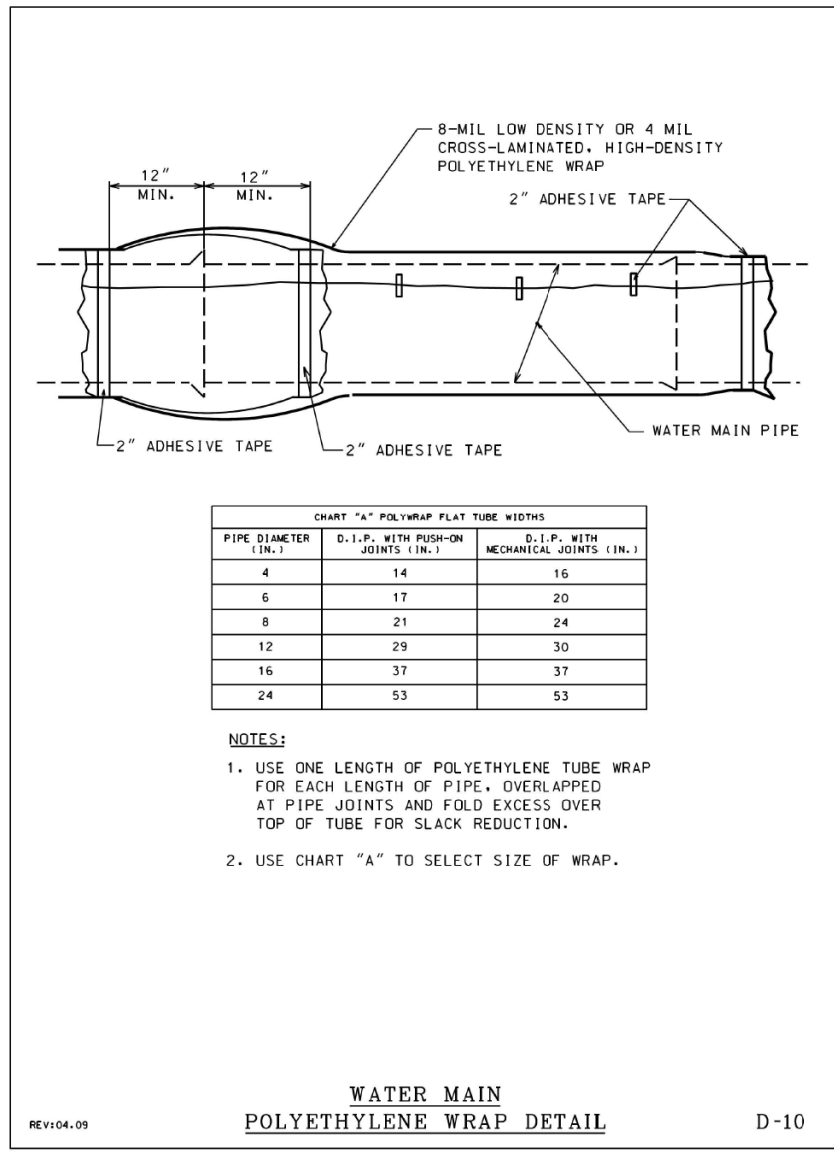


CHART "A" POLYWRAP FLAT TUBE WIDTHS		
PIPE DIAMETER (IN.)	D.I.P. WITH PUSH-ON JOINTS (IN.)	D.I.P. WITH MECHANICAL JOINTS (IN.)
4	14	16
6	17	20
8	21	24
12	29	30
16	37	37
24	53	53

**NOTES:**

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

**WATER MAIN  
POLYETHYLENE WRAP DETAIL**

REV:04.09

D-10



D160X61-sht-WM-03.dgn  
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 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 12/4/2014

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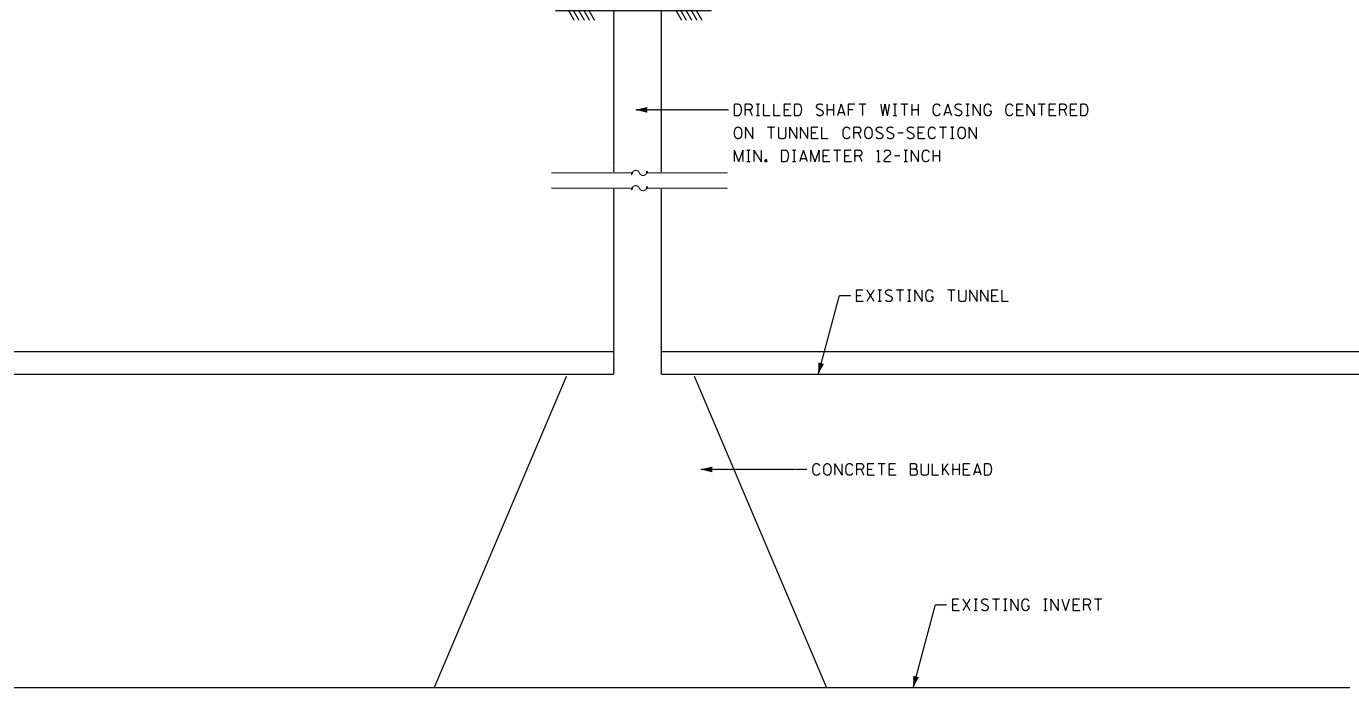
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

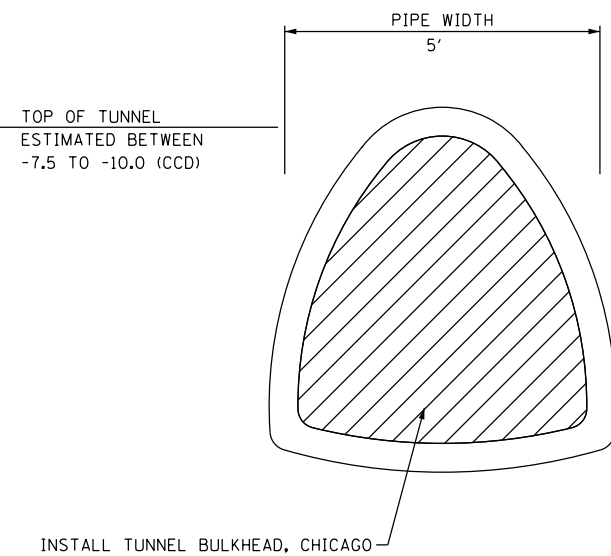
**WATER MAIN REMOVAL AND RELOCATION DETAILS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	89H
<b>CONTRACT NO. 60X61</b>				
ILLINOIS FED. AID PROJECT				



**TYPICAL SECTION**  
PROPOSED TUNNEL BULKHEAD, CHICAGO



**TYPICAL SECTION**  
EXISTING CTA WATER TUNNEL (SHAPE ESTIMATED)

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
LOCATE TUNNEL, CHICAGO	EACH	2
BULKHEAD TUNNEL, CHICAGO	EACH	2

**TUNNEL NOTES:**

1. THE WATER TUNNEL SHOWN IS FROM IDOT RECORD DRAWINGS FOR ROADWAY AND BRIDGE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY LOCATE THE CROWN OF THE WATER TUNNELS USING PROBE BORINGS AS DESCRIBED IN THE SPECIFICATIONS. THIS WORK IS INCLUDED IN THE ITEM LOCATE TUNNEL. THE METHOD OF LOCATING THE TUNNEL IS BASED UPON CDWM REQUIREMENTS FOR LOCATING TUNNELS.
2. THE EXISTING WATER TUNNEL IS ABANDONED WITH PREVIOUS BULKHEADS CONSTRUCTED NEAR MORGAN STREET, ALONG WITH PORTIONS OF THE TUNNEL PREVIOUSLY FILLED. NO RECORDS OF EXISTING BULKHEADS OR TUNNEL REMOVAL ARE KNOWN WEST OF MORGAN STREET. THE TUNNEL IS EXPECTED TO HAVE NOMINAL AMOUNTS OF WATER DUE TO INFILTRATION, WHICH MAY CONTRIBUTE TO SIGNIFICANT FLOWS DEPENDING ON GROUNDWATER CONDITIONS.
3. THE CONTRACTOR SHALL PROVIDE DEWATERING AS NEEDED IN THE EXISTING WATER TUNNEL. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF TUNNEL BULKHEAD, CHICAGO.
4. OBTAIN TWO CORE SAMPLES PER BULKHEAD, ONE (1) AT THE 10 AND ONE (1) AT THE 4 O'CLOCK POSITIONS OR ONE (1) AT THE 2 AND ONE (1) AT THE 8 O'CLOCK POSITIONS FOR COMPRESSION STRENGTH TESTING.
5. AFTER THE INSPECTION OF ALL BULKHEADS, THE TUNNEL MUST BE REMOVED TO ALLOW SEWER CONSTRUCTION. TUNNEL REMOVAL IS INCLUDED AS EARTH EXCAVATION (SPECAIL).
6. ALL RESTORATION IS CONSIDERED TO BE INCLUDED UNDER SEPARATE ITEMS UNLESS THE TUNNEL BULKHEADING IS PERFORMED WELL IN ADVANCE OF THE CONSTRUCTION TO FINAL CONDITION, THAN ANY RESTORATION AND/OR TEMPORARY PAVEMENT OR PATCHING SHALL BE CONSIDERED INCLUDED WITHIN TUNNEL BULKHEAD, CHICAGO.

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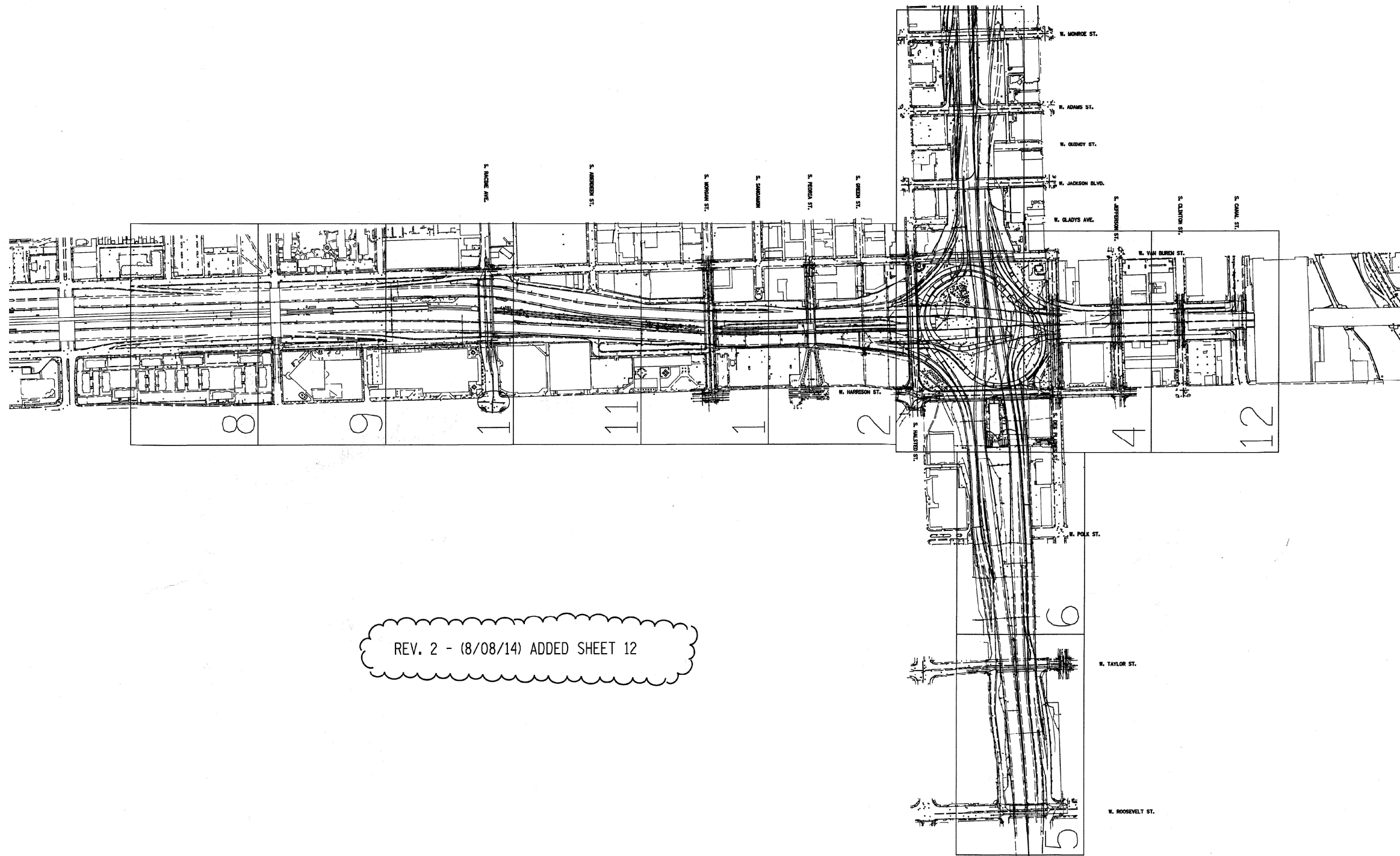
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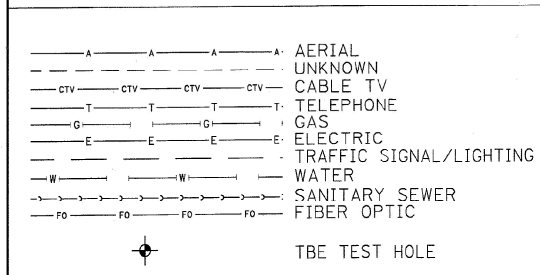
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ABANDONED CTA WATER TUNNEL  
BULKHEADING AND FILLING DETAILS AND NOTES**  
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

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



REV. 2 - (8/08/14) ADDED SHEET 12



UTILITY OWNERS	
AT&T = TELEPHONE	COM-ED = ELECTRIC
CITY OF CHICAGO = ELECTRIC	CITY OF CHICAGO = SANITARY SEWER
CITY OF CHICAGO WATER = WATER	IDOT = ELECTRIC
IDOT ITS = FIBER OPTIC	LEVEL 3 = FIBER OPTIC
MCI = FIBER OPTIC	PEOPLE'S ENERGY = GAS

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

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 3/14/13 THROUGH 8/07/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

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



TBE Job No. IL09510531, 563  
SUE Plan Page: Cover

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

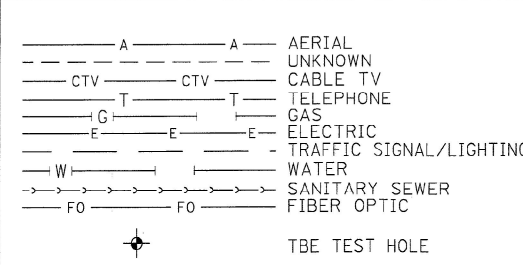
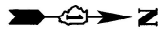
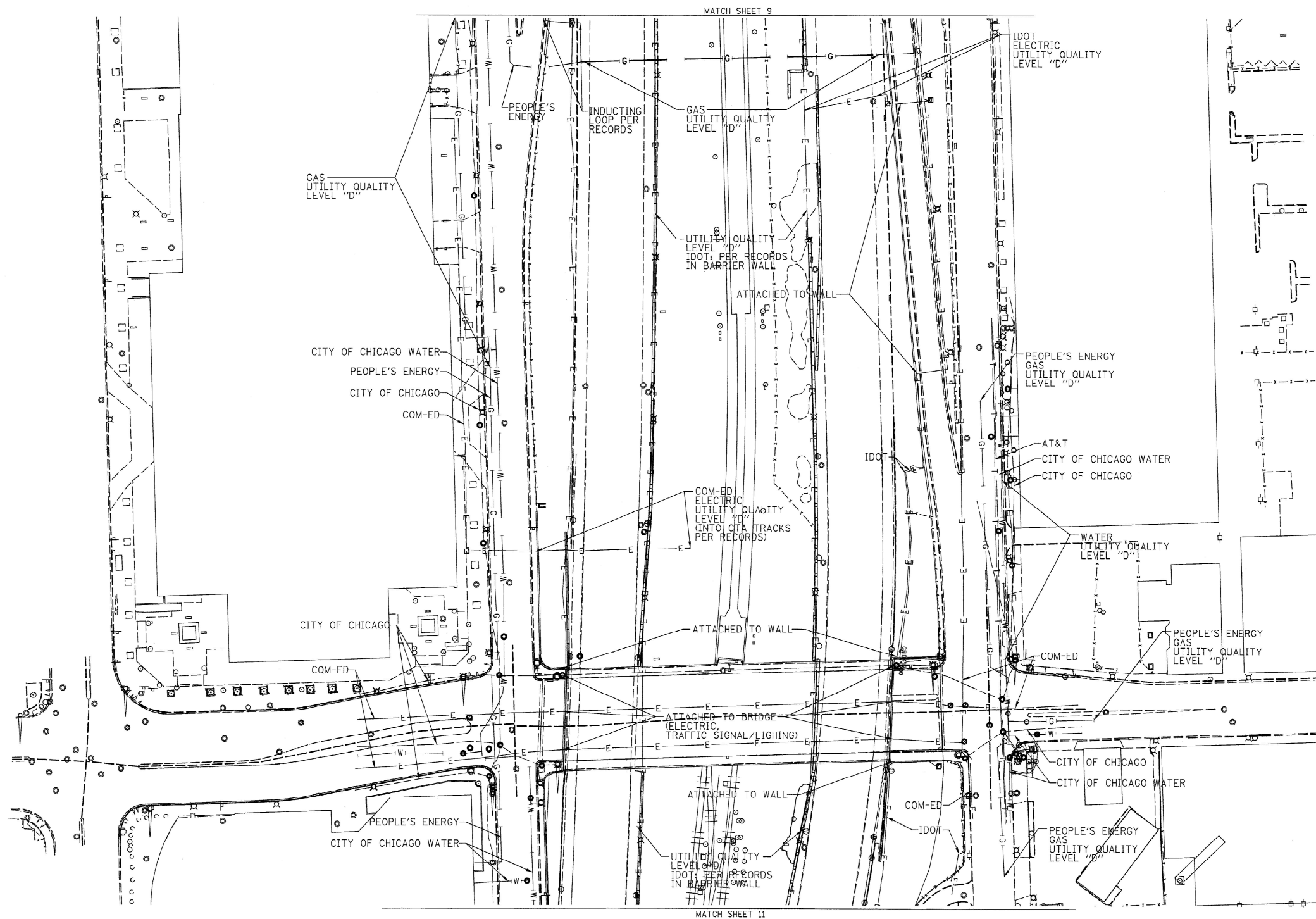
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DATE	1/27/14	REVISED	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Contract No. N/A				
FED. ROAD DIST. NO. [ILLINOIS] IDOT Project No. P-91-259-12				

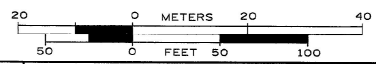




**UTILITY OWNERS**  
 AT&T = TELEPHONE  
 COM-ED = ELECTRIC  
 CITY OF CHICAGO = ELECTRIC  
 CITY OF CHICAGO WATER = WATER  
 IDOT = ELECTRIC  
 PEOPLE'S ENERGY = GAS

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 6/30/14 THROUGH 8/07/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

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



TBE Job No. IL09510531, 563  
 SUE Plan Page: 10 of 12

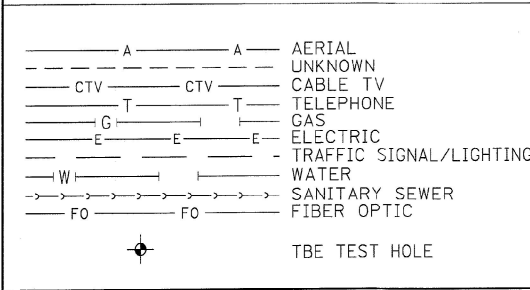
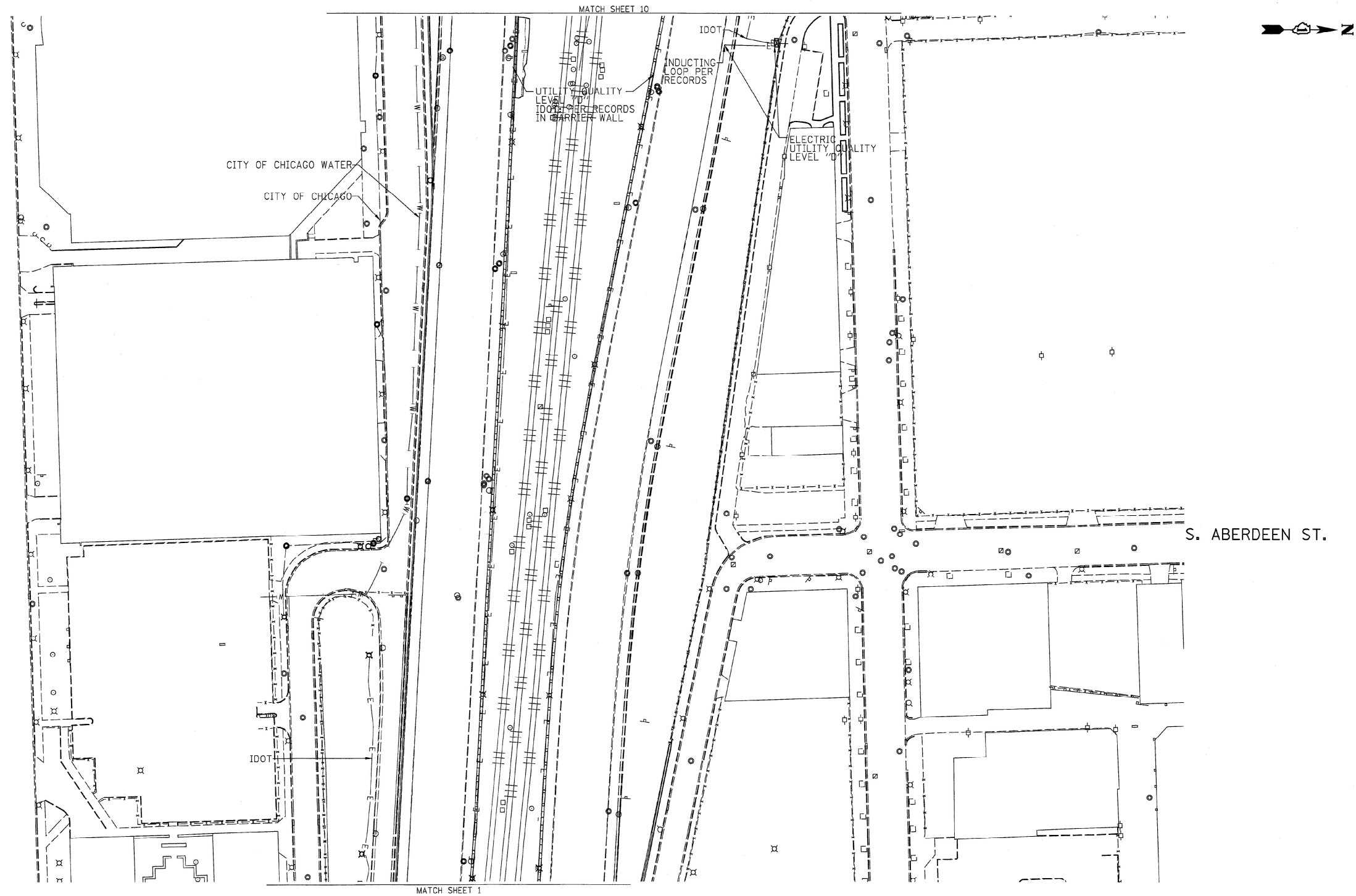
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 Utility Quality Level "C" : Research with Survey  
 Utility Quality Level "D" : Records Research

DESIGNED EG	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 8/08/14	REVISED

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

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

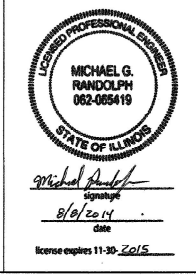
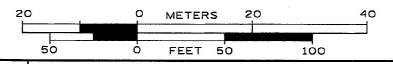
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	N/A	Cook	317	92
FED. ROAD DIST. NO. - ILLINOIS			IDOT Project No. P-91-259-12	



UTILITY OWNERS  
 CITY OF CHICAGO = ELECTRIC  
 CITY OF CHICAGO WATER = WATER  
 IDOT = ELECTRIC

UTILITIES SHOWN ON THESE PLANS AS DEPICTED IN THE LEGEND HAVE BEEN INVESTIGATED BY CARDNO IN ACCORDANCE WITH SUE INDUSTRY STANDARDS. ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED TO CARDNO BY OTHERS. CARDNO SUE FIELD INVESTIGATION WAS PERFORMED 6/30/14 THROUGH 7/25/14. CHANGES TO UTILITIES MAY HAVE BEEN MADE AND THEREFORE MAY RESULT IN VARIANCES FROM THIS PLAN. CONSIDERATION SHOULD BE GIVEN TO UPDATING THIS PLAN IF DEEMED ADVISABLE PRIOR TO FINAL DESIGN AND CONSTRUCTION.

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



Utility Quality Level "A" : Visually Verified Test Hole  
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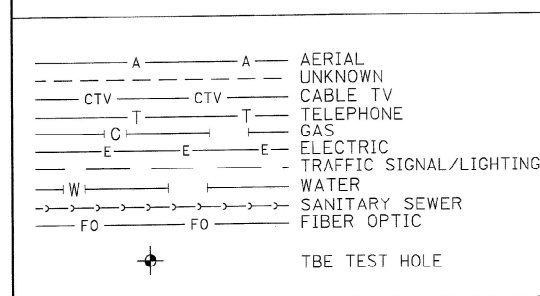
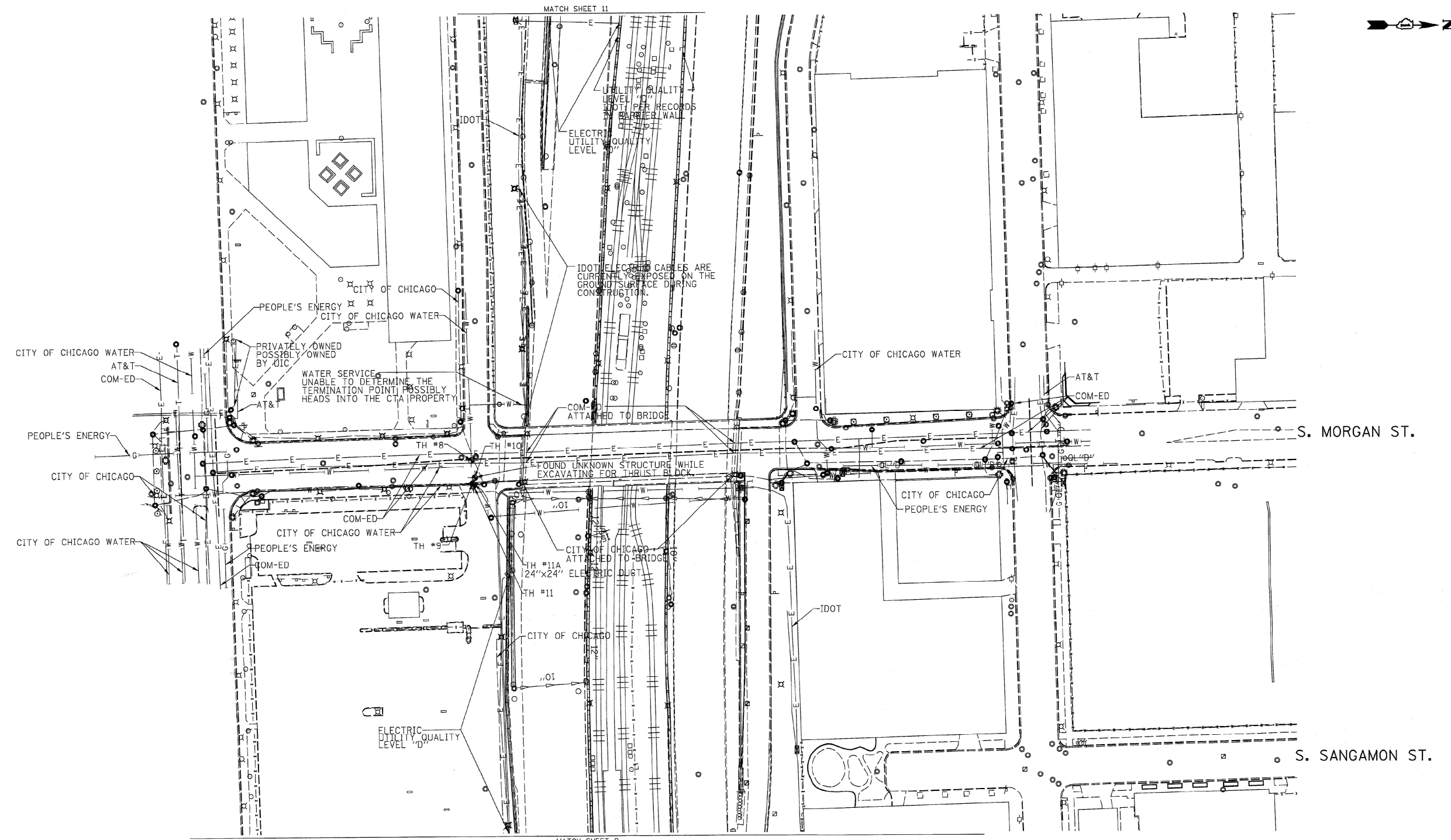
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	317	93
Contract No. N/A				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No. P-91-259-12				

TBE Job No. IL09510531, 563  
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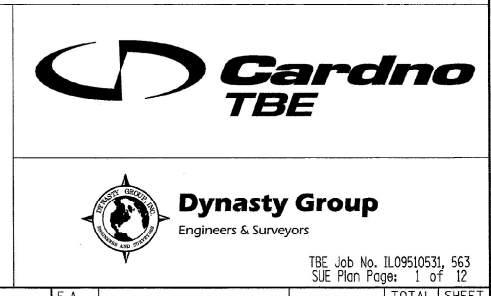
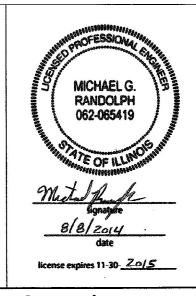


UTILITY OWNERS

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

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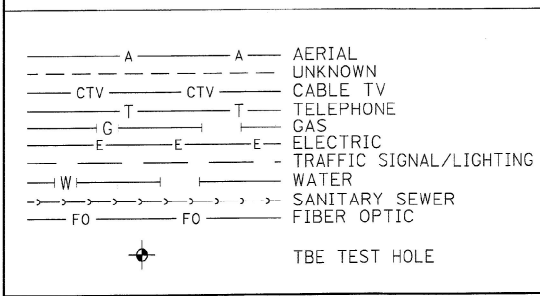
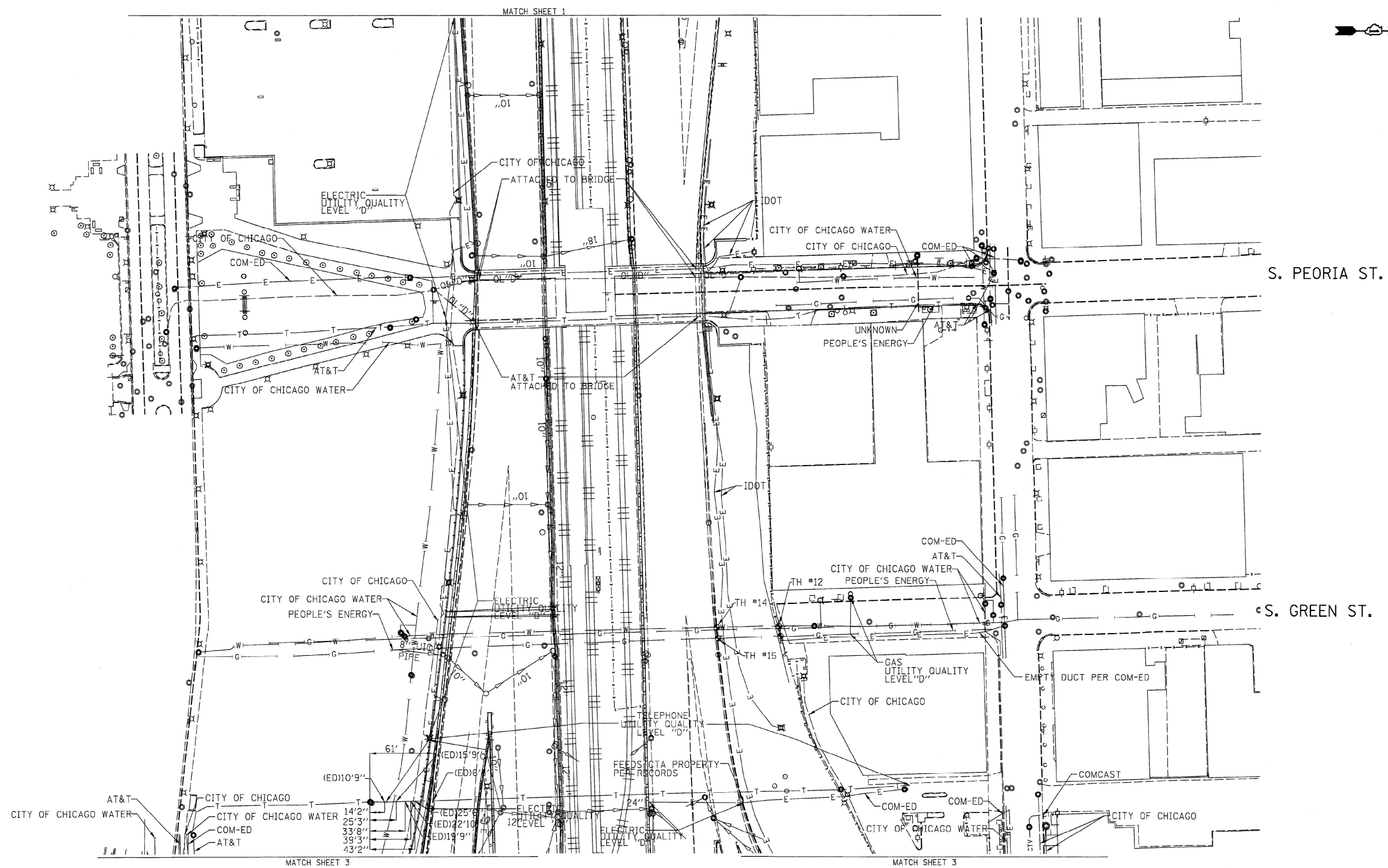
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Contract No. N/A				
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TBE Job No. IL09510531, 563  
 SUE Plan Page: 1 of 12



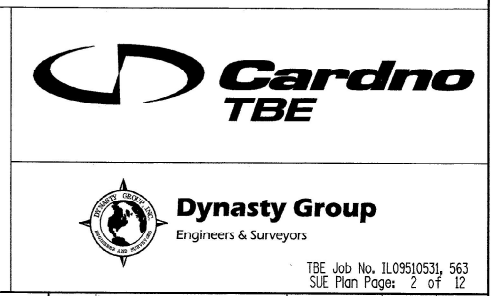
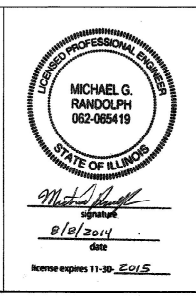
**UTILITY OWNERS**

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

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



Utility Quality Level "A": Visually Verified Test Hole  
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 Utility Quality Level "C": Research with Survey  
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CHECKED	MGR	REVISED	
DATE	2/28/14	REVISED	

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	317	94A
Contract No. N/A				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No. P-91-259-12				

TBE Job No. IL09510531, 563  
 SUE Plan Page: 2 of 12

**PAVEMENT MARKING SCHEDULE**

SHEET	STATION	TO	STATION	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	EPOXY PAVEMENT MARKING - LINE 4"	EPOXY PAVEMENT MARKING - LINE 5"	EPOXY PAVEMENT MARKING - LINE 8"	EPOXY PAVEMENT MARKING - LINE 12"	POLYUREA PAVMENT MARKING TYPE I - LETTERS AND SYMBOLS	POLYUREA PAVMENT MARKING TYPE I - LINE 4"	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	RAISED REFLECTIVE PAVEMENT MARKER	PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
				SO FT	FOOT	FOOT	FOOT	FOOT	SO FT	FOOT	FOOT	FOOT	EACH	SO FT	EACH
1	365+00		354+00		1,812	551	539						56		
2	354+00		5233+00		3,650	803	1,597	748		739	191		81		
3	5233+00		5247+50	84	2,835	944	3,113	563	99	226		65	96	806	62
4	5247+50		5250+88		663	253	33						27	332	26
TOTALS				84	8,960	2,551	5,282	1,311	99	965	191	65	260	1138	88
ALLOWANCE				8	896	255	528	131	10	97	19	7	26	114	9
TOTALS WITH ALLOWANCE				92	9856	2806	5810	1442	109	1062	210	72	286	1252	97

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 PLOT DATE = 10/20/2014

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 CHECKED - DBM  
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

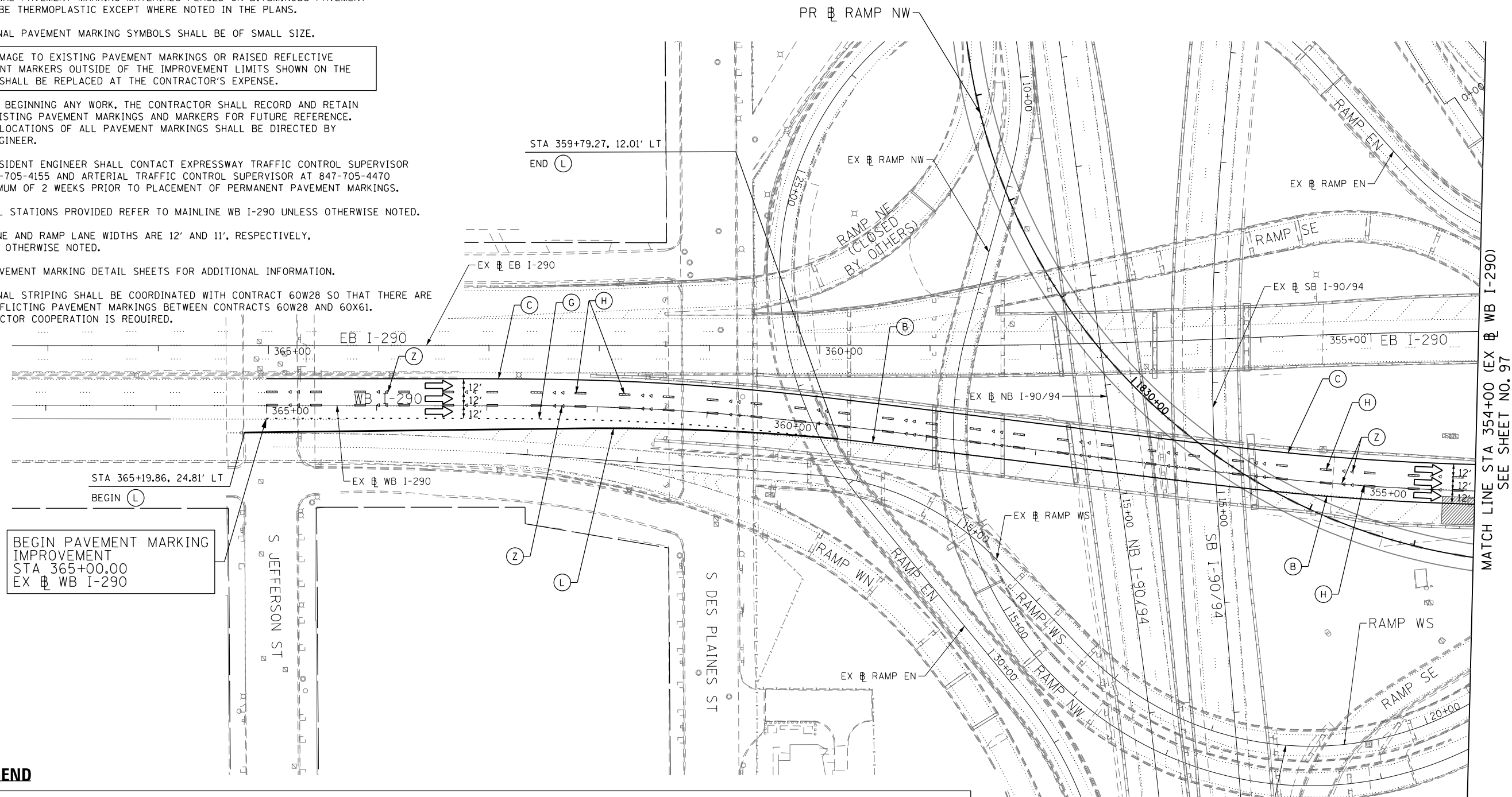
**PAVEMENT MARKING SCHEDULE**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	95
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

**PAVEMENT MARKING NOTES**

1. ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON PCC PAVEMENT SHALL BE POLYUREA TYPE I EXCEPT WHERE NOTED IN THE PLANS.
2. ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON BITUMINOUS PAVEMENT SHALL BE THERMOPLASTIC EXCEPT WHERE NOTED IN THE PLANS.
3. ALL FINAL PAVEMENT MARKING SYMBOLS SHALL BE OF SMALL SIZE.
4. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE OF THE IMPROVEMENT LIMITS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
5. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN ALL EXISTING PAVEMENT MARKINGS AND MARKERS FOR FUTURE REFERENCE. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE DIRECTED BY THE ENGINEER.
6. THE RESIDENT ENGINEER SHALL CONTACT EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT 847-705-4155 AND ARTERIAL TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
7. PARTIAL STATIONS PROVIDED REFER TO MAINLINE WB I-290 UNLESS OTHERWISE NOTED.
8. MAINLINE AND RAMP LANE WIDTHS ARE 12' AND 11', RESPECTIVELY, UNLESS OTHERWISE NOTED.
9. SEE PAVEMENT MARKING DETAIL SHEETS FOR ADDITIONAL INFORMATION.
10. ALL FINAL STRIPING SHALL BE COORDINATED WITH CONTRACT 60W28 SO THAT THERE ARE NO CONFLICTING PAVEMENT MARKINGS BETWEEN CONTRACTS 60W28 AND 60X61. CONTRACTOR COOPERATION IS REQUIRED.



BEGIN PAVEMENT MARKING IMPROVEMENT  
 STA 365+00.00  
 EX WB I-290

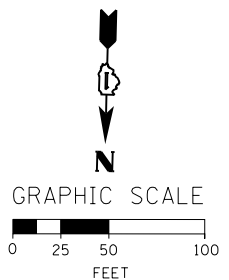
**LEGEND**

**PAVEMENT MARKING MATERIAL**

- EPOXY PAVEMENT MARKING
- ◇ PAVEMENT MARKING TAPE, TYPE III
- THERMOPLASTIC PAVEMENT MARKING
- △ POLYUREA PAVEMENT MARKING TYPE I

**PAVEMENT MARKING TYPE**

- A - LETTERS AND SYMBOLS (WHITE)
- B - 4" WHITE EDGE LINE
- C - 4" YELLOW LINE
- D - 4" DOUBLE YELLOW CENTERLINE
- E - 4" WHITE (6' DASH, 18' SKIP)
- F - 4" YELLOW (6' DASH, 18' SKIP)
- G - 4" WHITE (2' DASH, 6' SKIP)
- H - 5" WHITE (10' DASH, 30' SKIP)
- I - 6" WHITE SOLID LINE
- J - 6" WHITE (2' DASH, 6' SKIP)
- K - 6" WHITE 45° DIAGONALS SPACED @ 20' CENTERS
- L - 8" WHITE EDGE LINE
- M - 8" WHITE DOTTED LANE LINE, 3' DASH, 9' SKIP
- N - 12" WHITE 45° DIAGONALS SPACED @ 20' CENTERS
- O - 12" WHITE 45° DIAGONALS SPACED @ 30' CENTERS
- P - 12" WHITE 45° DIAGONALS SPACED @ 500' CENTERS
- Q - 12" YELLOW 45° DIAGONALS SPACED @ 50' CENTERS
- R - 12" YELLOW 45° DIAGONALS SPACED @ 500' CENTERS
- S - 12" WHITE CHEVRONS SPACED @ 30' CENTERS
- T - 24" WHITE STOP BAR
- U - 24" WHITE CROSSWALK, 6' WIDTH, SPACED @ 4' CENTERS
- Y - RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) (1-WAY CRYSTAL / OPAQUE)
- Z - RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN  
 WB I-290 AUXILIARY LANE

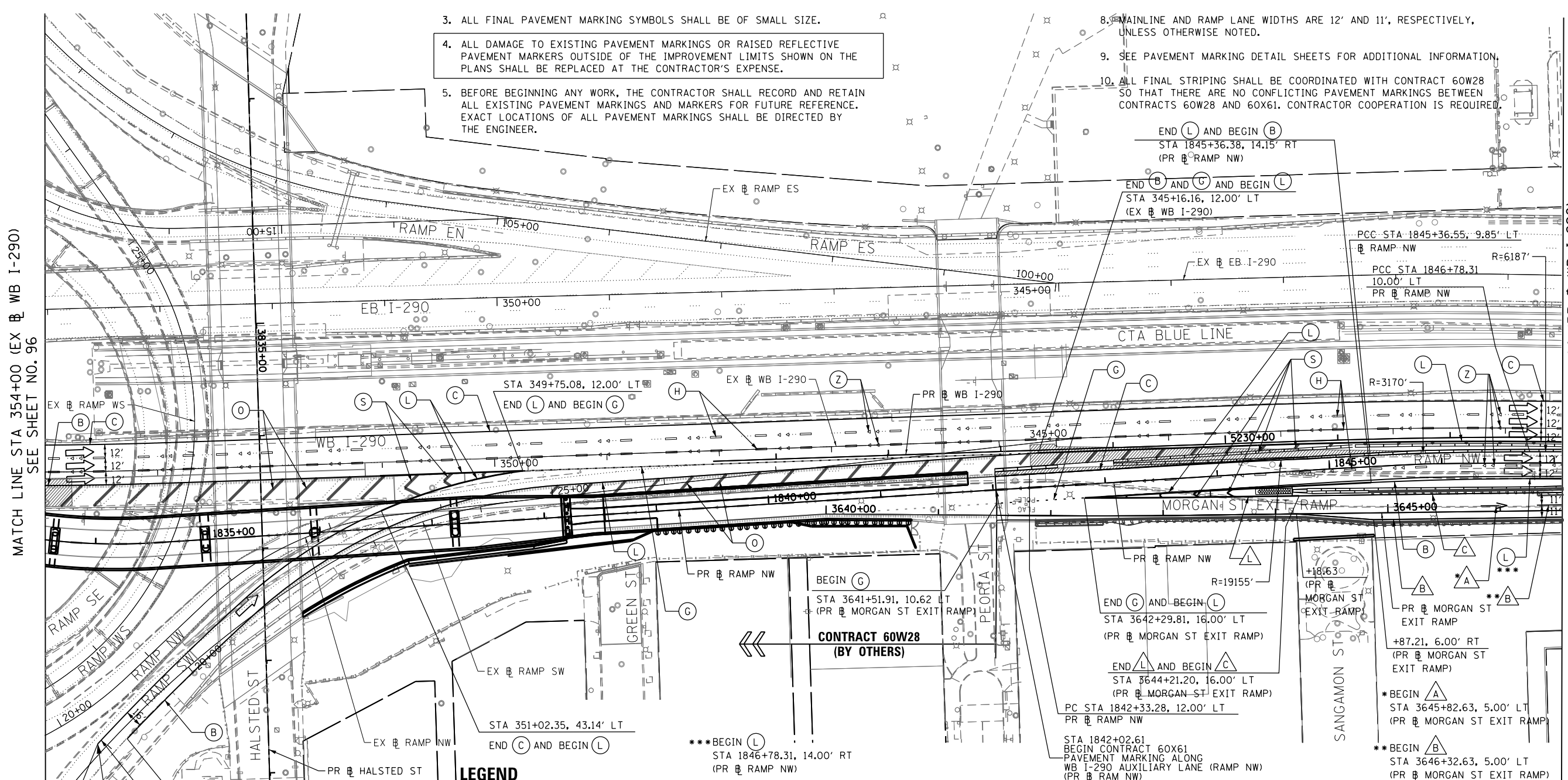
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F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 96
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING NOTES**

- ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON PCC PAVEMENT SHALL BE POLYUREA TYPE I EXCEPT WHERE NOTED IN THE PLANS.
- ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON BITUMINOUS PAVEMENT SHALL BE THERMOPLASTIC EXCEPT WHERE NOTED IN THE PLANS.
- ALL FINAL PAVEMENT MARKING SYMBOLS SHALL BE OF SMALL SIZE.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE OF THE IMPROVEMENT LIMITS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
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- PARTIAL STATIONS PROVIDED REFER TO MAINLINE WB I-290 UNLESS OTHERWISE NOTED.
- MAINLINE AND RAMP LANE WIDTHS ARE 12' AND 11', RESPECTIVELY, UNLESS OTHERWISE NOTED.
- SEE PAVEMENT MARKING DETAIL SHEETS FOR ADDITIONAL INFORMATION.
- ALL FINAL STRIPING SHALL BE COORDINATED WITH CONTRACT 60W28 SO THAT THERE ARE NO CONFLICTING PAVEMENT MARKINGS BETWEEN CONTRACTS 60W28 AND 60X61. CONTRACTOR COOPERATION IS REQUIRED.



MATCH LINE STA 354+00 (EX WB I-290) SEE SHEET NO. 96

MATCH LINE STA 5233+00 (PR WB I-290) SEE SHEET NO. 98

**LEGEND**

**PAVEMENT MARKING MATERIAL**

- EPOXY PAVEMENT MARKING
- ◇ PAVEMENT MARKING TAPE, TYPE III
- THERMOPLASTIC PAVEMENT MARKING
- △ POLYUREA PAVEMENT MARKING TYPE I

**PAVEMENT MARKING TYPE**

- A - LETTERS AND SYMBOLS (WHITE)
- B - 4" WHITE EDGE LINE
- C - 4" YELLOW LINE
- D - 4" DOUBLE YELLOW CENTERLINE
- E - 4" WHITE (6' DASH, 18' SKIP)
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- G - 4" WHITE (2' DASH, 6' SKIP)
- H - 5" WHITE (10' DASH, 30' SKIP)
- I - 6" WHITE SOLID LINE
- J - 6" WHITE (2' DASH, 6' SKIP)
- K - 6" WHITE 45° DIAGONALS SPACED @ 20' CENTERS
- L - 8" WHITE EDGE LINE
- M - 8" WHITE DOTTED LANE LINE, 3' DASH, 9' SKIP
- N - 12" WHITE 45° DIAGONALS SPACED @ 20' CENTERS
- O - 12" WHITE 45° DIAGONALS SPACED @ 30' CENTERS
- P - 12" WHITE 45° DIAGONALS SPACED @ 500' CENTERS
- Q - 12" YELLOW 45° DIAGONALS SPACED @ 50' CENTERS
- R - 12" YELLOW 45° DIAGONALS SPACED @ 500' CENTERS
- S - 12" WHITE CHEVRONS SPACED @ 30' CENTERS
- T - 24" WHITE STOP BAR
- U - 24" WHITE CROSSWALK, 6' WIDTH, SPACED @ 4' CENTERS
- Y - RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) (1-WAY CRYSTAL / OPAQUE)
- Z - RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)

BEGIN PAVEMENT MARKING IMPROVEMENT STA 18+94.86 EX WB RAMP SW

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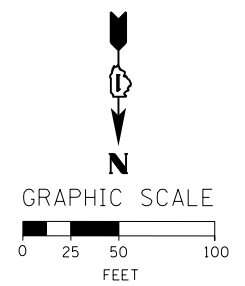
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN  
 WB I-290 AUXILIARY LANE

SCALE: 1" = 50' SHEET 2 OF 4 SHEETS STA. TO STA.

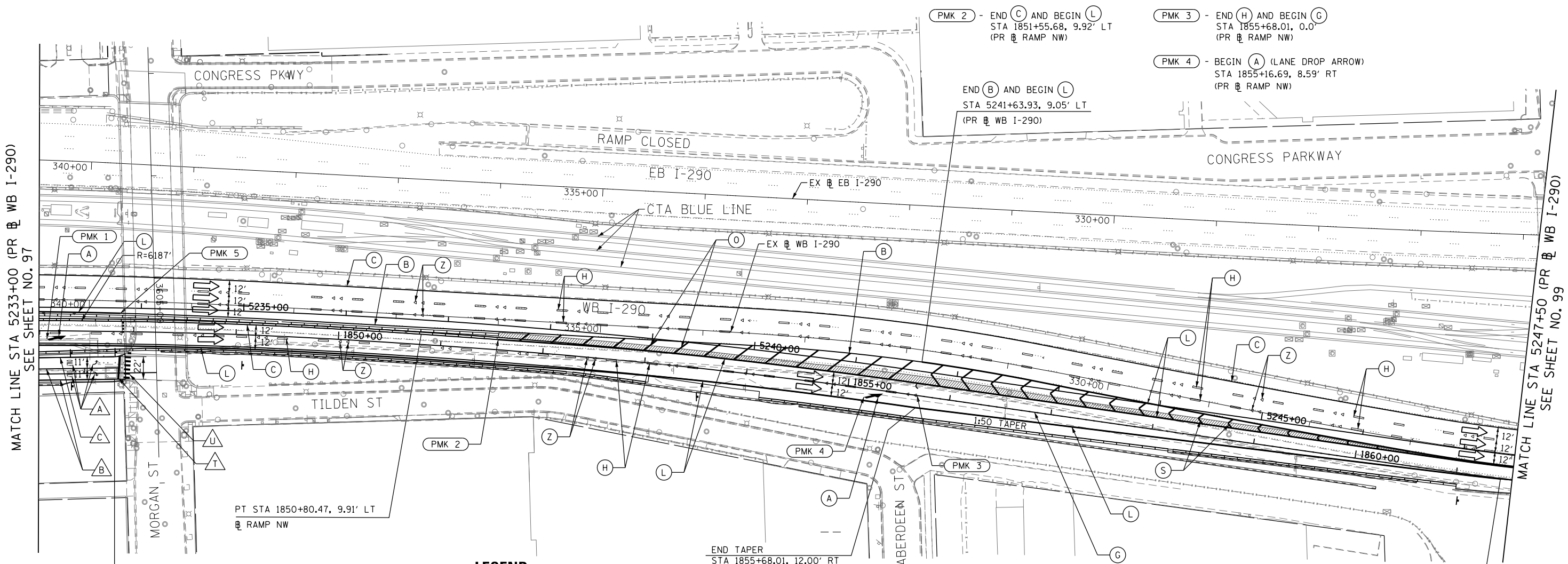
F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 97
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				





**PAVEMENT MARKING NOTES**

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- ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON BITUMINOUS PAVEMENT SHALL BE THERMOPLASTIC EXCEPT WHERE NOTED IN THE PLANS.
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- PARTIAL STATIONS PROVIDED REFER TO MAINLINE WB I-290 UNLESS OTHERWISE NOTED.
- MAINLINE AND RAMP LANE WIDTHS ARE 12' AND 11', RESPECTIVELY, UNLESS OTHERWISE NOTED.
- SEE PAVEMENT MARKING DETAIL SHEETS FOR ADDITIONAL INFORMATION.
- ALL FINAL STRIPING SHALL BE COORDINATED WITH CONTRACT 60W28 SO THAT THERE ARE NO CONFLICTING PAVEMENT MARKINGS BETWEEN CONTRACTS 60W28 AND 60X61. CONTRACTOR COOPERATION IS REQUIRED.



MATCH LINE STA 5233+00 (PR WB I-290) SEE SHEET NO. 97

MATCH LINE STA 5247+50 (PR WB I-290) SEE SHEET NO. 99

**LEGEND**

**PAVEMENT MARKING MATERIAL**

- EPOXY PAVEMENT MARKING
- ◇ PAVEMENT MARKING TAPE, TYPE III
- THERMOPLASTIC PAVEMENT MARKING
- △ POLYUREA PAVEMENT MARKING TYPE I

**PAVEMENT MARKING TYPE**

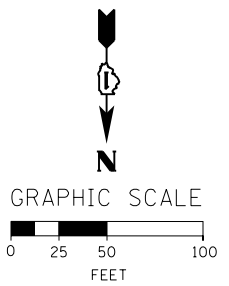
- A - LETTERS AND SYMBOLS (WHITE)
- B - 4" WHITE EDGE LINE
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- D - 4" DOUBLE YELLOW CENTERLINE
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- Z - RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)

- PMK 1 - BEGIN (A) (LANE DROP ARROW)  
STA 1847+15.23, 8.00' RT  
(PR WB RAMP NW)
- PMK 5 - END (L) AND BEGIN (B)  
STA 1847+86.69, 17.81' LT  
(PR WB RAMP NW)

END PAVEMENT MARKING IMPROVEMENT  
STA 3647+29.07, 6.00' RT  
(PR WB MORGAN ST EXIT RAMP)

END TAPER  
STA 1855+68.01, 12.00' RT  
(PR WB I-290)

END (G) AND (L)  
STA 1861+43.38, 0.49' RT  
(PR WB I-290)



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN  
WB I-290 AUXILIARY LANE

SCALE: 1" = 50' SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 98
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

**LEGEND**

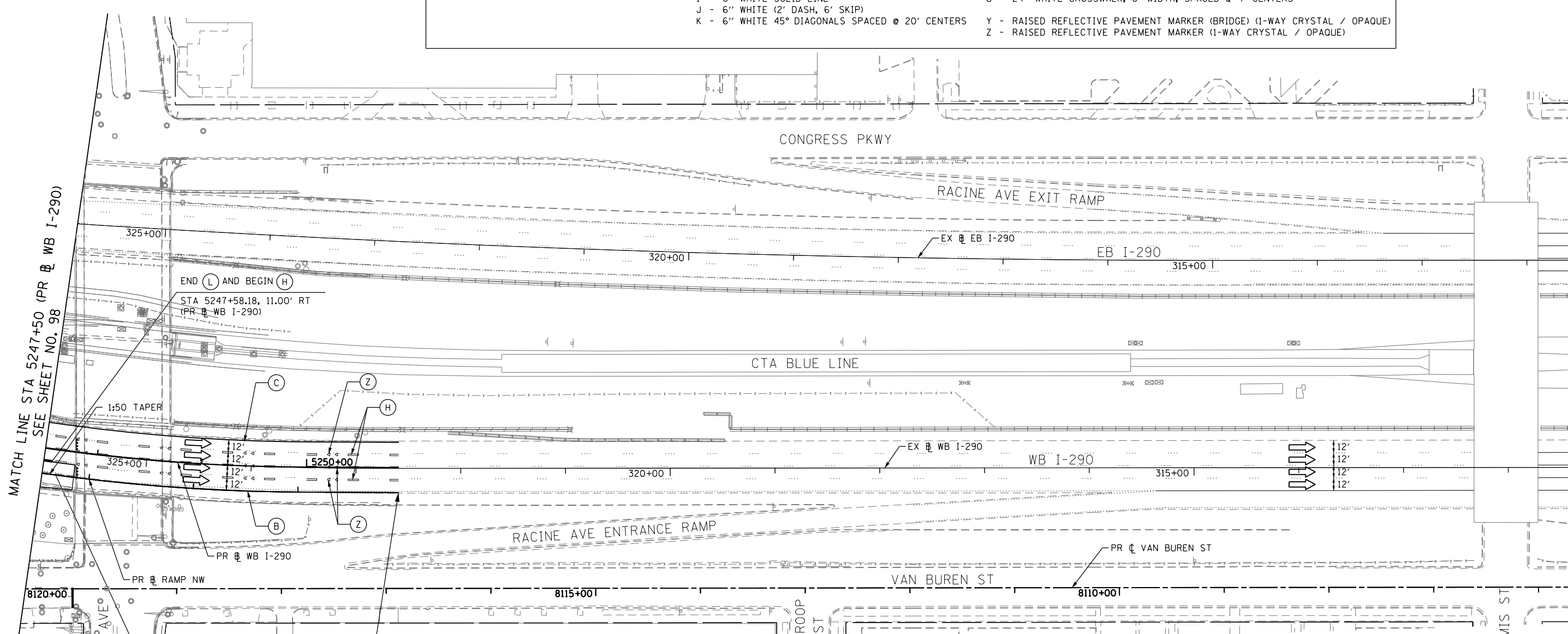
**PAVEMENT MARKING MATERIAL**

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- ◇ PAVEMENT MARKING TAPE, TYPE III
- THERMOPLASTIC PAVEMENT MARKING
- △ POLYUREA PAVEMENT MARKING TYPE I

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- I - 6" WHITE SOLID LINE
- J - 6" WHITE (2' DASH, 6' SKIP)
- K - 6" WHITE 45° DIAGONALS SPACED @ 20' CENTERS

**PAVEMENT MARKING TYPE**

- L - 8" WHITE EDGE LINE
- M - 8" WHITE DOTTED LANE LINE, 3' DASH, 9' SKIP
- N - 12" WHITE 45° DIAGONALS SPACED @ 20' CENTERS
- O - 12" WHITE 45° DIAGONALS SPACED @ 30' CENTERS
- P - 12" WHITE 45° DIAGONALS SPACED @ 500' CENTERS
- Q - 12" YELLOW 45° DIAGONALS SPACED @ 50' CENTERS
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- Y - RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) (1-WAY CRYSTAL / OPAQUE)
- Z - RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)



MATCH LINE STA 5247+50 (PR @ WB I-290) SEE SHEET NO. 98

END (L) AND BEGIN (H)  
STA 5247+58.18, 11.00' RT  
(PR @ WB I-290)

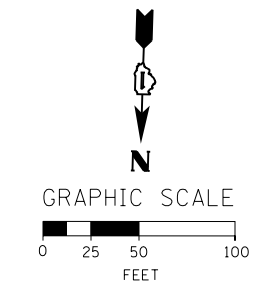
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END TAPER  
STA 5247+62.96, 24.00' RT  
(PR @ WB I-290)

END PAVEMENT MARKING IMPROVEMENT  
STA 5250+87.94  
PR @ WB I-290

**PAVEMENT MARKING NOTES**

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2. ALL FINAL PAVEMENT MARKING MATERIALS PLACED ON BITUMINOUS PAVEMENT SHALL BE THERMOPLASTIC EXCEPT WHERE NOTED IN THE PLANS.
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7. PARTIAL STATIONS PROVIDED REFER TO MAINLINE WB I-290 UNLESS OTHERWISE NOTED.
8. MAINLINE AND RAMP LANE WIDTHS ARE 12' AND 11', RESPECTIVELY, UNLESS OTHERWISE NOTED.
9. SEE PAVEMENT MARKING DETAIL SHEETS FOR ADDITIONAL INFORMATION.
10. ALL FINAL STRIPING SHALL BE COORDINATED WITH CONTRACT 60W28 SO THAT THERE ARE NO CONFLICTING PAVEMENT MARKINGS BETWEEN CONTRACTS 60W28 AND 60X61. CONTRACTOR COOPERATION IS REQUIRED.



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DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
WB I-290 AUXILIARY LANE**

SCALE: 1" = 50' SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-077R	COOK	317	99
CONTRACT NO. 60X61				
ILLINOIS FED. AID PROJECT				

**EXISTING SIGN REMOVAL / RELOCATION SCHEDULE**

LOCATION	SIGN NO.	LEGEND / DESCRIPTION	CODE	LOCATION (STATION / OFFSET)		EXISTING PANEL DIMENSIONS		REMOVE SIGN PANEL ASSEMBLY - TYPE A (EACH)	REMOVE SIGN PANEL ASSEMBLY - TYPE B (EACH)	REMOVE SIGN PANEL - TYPE 2 (SQ FT)	REMOVE SIGN PANEL - TYPE 3 (SQ FT)	RELOCATE SIGN PANEL ASSEMBLY - TYPE B (EACH)	REMOVE GROUND MOUNTED SIGN SUPPORT (EACH)	REMOVE CONCRETE FOUNDATION - GROUND MOUNT (EACH)
						WIDTH (FT)	HEIGHT (FT)							
WB 1-290	EX-05-0V	RAMP CLOSED	-	5227+48	45.5' RT	10.00	2.00			20.00				
	EX-06-ST	MILE POST MARKER ASSEMBLY - MILE 29.5	D10-2a	5236+08	35.0' RT	1.00	4.00	1						
	EX-07-ST	CARDINAL DIRECTION - WEST (INTERSTATE)	M3-4	5237+27	35.5' RT	2.50	1.25	1						
	EX-08-ST	INTERSTATE ROUTE SIGN - 290	M1-1			3.75	3.00							
	EX-09-ST	CKC	M4-1110	5237+27	39.3' RT	3.00	1.50	1						
	EX-10-ST	ILLINOIS 110	M1-1100			3.00	3.00							
	EX-11-ST	EISENHOWER INTERSTATE SYSTEM	M1-10	5239+23	28.5' RT	3.00	3.00	1						
	EX-12-ST	CHICAGO GATEWAY GREEN	-	5239+95	38.1' RT	-	-					1		
	EX-13-ST	CHICAGO GATEWAY GREEN	-			-	-							
	EX-14-GM	UNIVERSITY OF ILLINOIS AT CHICAGO - EXIT 28B	-	5242+51	27.6' RT	15.50	13.50				209.25		2	2
EX-15-GM	ILLINOIS MEDICAL DISTRICT - NEXT 2 EXITS	-	5245+39	37.9' RT	15.50	13.50				209.25		2	2	
EX-16-BM	EXIT TO MORGAN ST PROHIBITED	-	353+21	6.6' LT	11.50	6.00				69.00				
ROUNDED TOTAL								2	2	20	488	1	4	4

**PROPOSED SIGN SCHEDULE**

LOCATION	SIGN NO.	LEGEND / DESCRIPTION	CODE	LOCATION (STATION / OFFSET)		PROPOSED PANEL DIMENSIONS		SIGN PANEL TYPE 1 (SQ FT)	SIGN PANEL TYPE 2 (SQ FT)	SIGN PANEL TYPE 3 (SQ FT)	MILE POST MARKER ASSEMBLY (EACH)	TELESCOPING STEEL SIGN SUPPORT (FOOT)	WOOD SIGN SUPPORT (FOOT)	TELESCOPING STEEL SIGN SUPPORT (SPECIAL) (FOOT)	REINFORCEMENT BARS (POUND)	LENGTH OF FIRST POST * (SHOWN FOR INFORMATION ONLY) (FOOT)	LENGTH OF SECOND POST * (SHOWN FOR INFORMATION ONLY) (FOOT)	LENGTH OF THIRD POST * (SHOWN FOR INFORMATION ONLY) (FOOT)	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY (POUND)	CONCRETE FOUNDATIONS (CU YD)	
						WIDTH (FT)	HEIGHT (FT)														
WB 1-290	WB-01-WP	MERGE SIGN (MERGE RIGHT)	W4-1R	350+31	16.3' LT	4.00	4.00		16.00				16.0								
	WB-02-LP	CARDINAL DIRECTION - WEST (INTERSTATE)	M3-4	5235+02	42.2' LT	2.50	1.25	3.13													
	WB-03-LP	INTERSTATE ROUTE SIGN - 290	M1-1			3.75	3.00			11.25											
	WB-04-LP	MILE POST MARKER ASSEMBLY - MILE 29.5	D10-2a	5236+76	41.6' LT	1.00	4.00				1										
	WB-05-LP	EISENHOWER INTERSTATE SYSTEM	M1-10	5240+08	52.7' LT	3.00	3.00	9.00													
	WB-06-LP	CKC	M4-1110	5241+90	57.3' LT	3.00	1.50	4.50													
	WB-07-LP	ILLINOIS 110	M1-1100			3.00	3.00	9.00													
	WB-08-GM	LANE ENDS (RIGHT)	W4-2R	5235+00	52.8' RT	4.00	4.00		16.00						321.0	28.9	27.1	25.3	2113	4.23	
	WB-09-GM	UNIVERSITY OF ILLINOIS AT CHICAGO - EXIT 28B	SPECIAL			15.50	13.50			209.25						321.0	27.2	25.3	23.5	1975	4.23
	WB-10-GM	ILLINOIS MEDICAL DISTRICT - NEXT 2 EXITS	SPECIAL	5247+00	51.0' RT	15.50	13.50			209.25					321.0	27.2	25.3	23.5	1975	4.23	
MORGAN ST EXIT RAMP	MX-01-WP	EXIT GORE (WITH EXIT NUMBER)	E5-1A	3644+15	20.6' LT	7.50	5.00			37.50			38.0								
	MX-02-WP	EXIT GORE ADVISORY SPEED (PLAQUE)	E13-1p	3646+87	19.9' LT	6.00	2.00		12.00												
	MX-03-PM	WRONG WAY	R5-1a			3.00	2.00	6.00													
	MX-04-TS	WRONG WAY	R5-1a	3646+87	12.1' RT	3.00	2.00	6.00				14.5									
	MX-05-TS	ADVANCE INTERSECTION LANE CONTROL (LEFT / RIGHT TURN ONLY)	R3-8			2.50	2.50	6.25													
	MX-06-SP	DO NOT ENTER	R5-1	3647+35	11.2' RT	2.50	2.50	6.25													
	MX-07-SP	NO TURN ON RED	R10-11a			2.50	3.00	7.50													
	MX-08-PM	DO NOT ENTER	R5-1	3647+30	20.5' LT	2.50	2.50	6.25													
	MX-09-PM	ST. IGNATIUS HISTORIC LANDMARK	SPECIAL			2.00	2.00	4.00						12.0							
ROUNDED TOTAL						68.0	55.5	456	1	15	54	21	650	-	-	-	4089	9			

\* NOT A PAY ITEM

FILE PATH = p:\388035\pmt\leconomline\local\p\AECOM\Documents\01\_Americas\Transportation\62629938\_Circle\Phase\_1\000\_CAD\006\_Roadway\Sheets\60X61\_Contract\0160X61-sht-Sign-Schedule



D160X61-sht-Sign-Schedule	DESIGNED - AFC	REVISED -
USER NAME = ChiuA	DRAWN - AFC	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - DBM	REVISED -
PLOT DATE = 10/17/2014	DATE - 10/17/14	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING SCHEDULE**

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

F.A.I. RTE. 90/94/290	SECTION 2013-077R	COUNTY COOK	TOTAL SHEETS 317	SHEET NO. 100
CONTRACT NO. 60X61			ILLINOIS FED. AID PROJECT	