

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

814+1 = 815 TOTAL SHEETS

F.A.I. RTE. 90/94/290	SECTION 2014-002R&B	COUNTY COOK	TOTAL SHEETS 814	SHEET NO. 1
ILLINOIS			CONTRACT NO. 60X76	

PROJECT LOCATED IN CITY OF CHICAGO

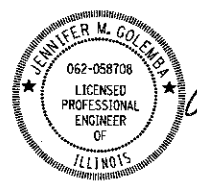
D-91-227-13

DESIGN DESIGNATIONS:

EB I-290	105,000(2040) INTERSTATE
EB CONGRESS PARKWAY	33,000(2040) INTERSTATE
ES RAMP	44,000(2040) INTERSTATE
EN RAMP	31,000(2040) INTERSTATE
EB TAYLOR EXIT	2,000(2040) INTERSTATE

POSTED DESIGN SPEEDS:

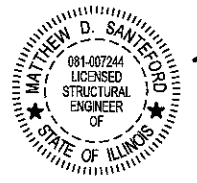
45 /50 MPH
45 /50 MPH
40 /40 MPH
30 /30 MPH
35 /35 MPH



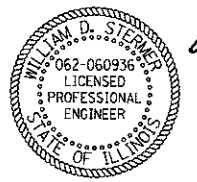
*Jennifer M. Golemba* 5/1/17  
JENNIFER M. GOLEMBA DATE  
LICENSE EXPIRES 11/30/2017  
SHEET RANGE



*Matthew J. Letourneau* 5/1/17  
MATTHEW J. LETOURNEAU, P.E. DATE  
LICENSE EXPIRES 11/30/2017  
SHEET RANGE



*Matthew D. Santeford* 5/1/17  
MATTHEW D. SANTEFORD DATE  
LICENSE EXPIRES 11/30/2018  
SHEET RANGE



*William D. Stermer* 5/1/17  
WILLIAM D. STERMER DATE  
LICENSE EXPIRES 11/30/2017  
SHEET RANGE

PROPOSED  
HIGHWAY PLANS

FAI ROUTE 90/94/290 (I-90/94/290)  
(JANE BYRNE INTERCHANGE)  
EB MAINLINE RACINE TO CONGRESS PARKWAY  
SECTION 2014-002R&B  
PROJECT: NHPP-000V(127)  
RETAINING WALL CONSTRUCTION,  
ROADWAY RECONSTRUCTION,  
LIGHTING AND ITS  
COOK COUNTY  
C-91-187-14

NPDES PERMIT INFORMATION	
NPDES Disturbed	Area = 13.40 Acres
Approximate Location of Roadway is :	
Longitude	87° 38' 57.57" W
Latitude	41° 52' 31.25" N



**TranSystems**  
1475 EAST WOODFIELD ROAD, SUITE 600  
SCHAUMBURG, IL 60173  
PHONE: (847) 605-9600  
FAX: (847) 463-0565

**AECOM**  
303 EAST WACKER DRIVE, SUITE 1400  
CHICAGO, IL 60601-5276  
PHONE: (312) 373-7700  
FAX: (312) 373-8800

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED *May 4* 20 *17*

*Andrew J. [Signature]* REGIONAL ENGINEER

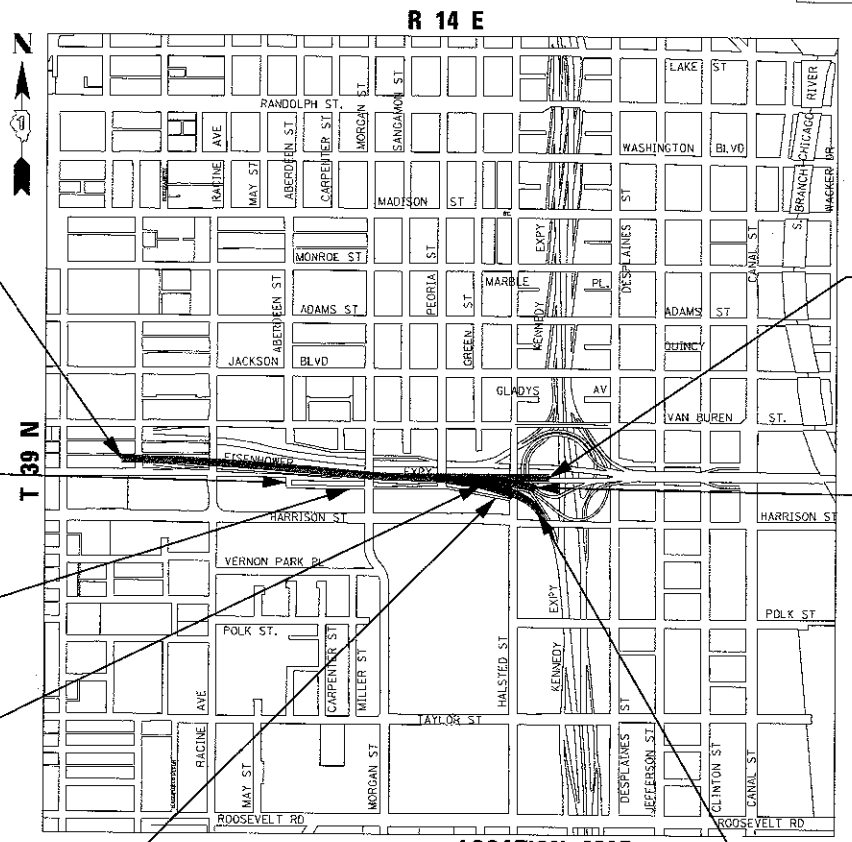
*June 30* 20 *17*

*Maureen M. [Signature]* ENGINEER OF DESIGN AND ENVIRONMENT

*June 30* 20 *17*

*[Signature]* DIRECTOR OF PROGRAM DEVELOPMENTS

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS



BEGIN PROJECT LIMIT  
EB I-290 / EB CONGRESS PARKWAY  
STA 5117 + 35.00

END PROJECT LIMIT  
EB I-290 / EB CONGRESS  
PARKWAY  
STA 5155 + 11.54

RETAINING WALL 11  
SN 016-1800  
STA 5132 + 58.15 TO  
STA 5133 + 00.00

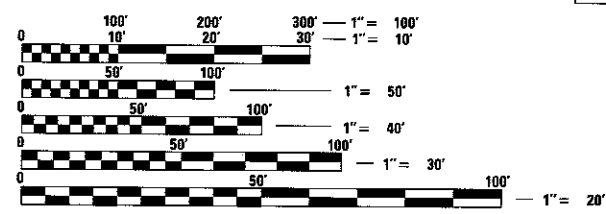
RAMP EN  
PROJECT LIMIT  
STA 1600 + 00.00 TO  
STA 1605 + 37.73

RETAINING WALL 9  
SN 016-1728  
STA 5136 + 69.17 TO  
STA 5139 + 07.34

TAYLOR EXIT RAMP  
PROJECT LIMIT  
STA 7300 + 00.00 TO  
STA. 7306 + 37.89

RETAINING WALL 12  
SN 016-1801  
STA 5146 + 43.34 TO  
STA 5151 + 87.64

RAMP ES PROJECT LIMIT  
STA 1500 + 00.00 TO  
STA. 1510 + 72.17



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

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

PROJECT MANAGER: BRIAN KUTTAB, PE

CONTRACT NO. 60X76

NOT TO SCALE  
GROSS LENGTH = 3,776.54 FT. = 0.715 MILES  
NET LENGTH = 3,776.54 FT. = 0.715 MILES

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

**INDEX OF SHEETS**

1 COVER SHEET  
 2 INDEX OF DRAWINGS AND HIGHWAY STANDARDS  
 3 IDOT DISTRICT 1 STANDARDS AND IDOT TSC STANDARDS  
 4 GENERAL NOTES  
 5 CITY OF CHICAGO GENERAL NOTES AND COMMITMENTS  
 6-32 SUMMARY OF QUANTITIES  
 33-43 TYPICAL SECTIONS  
 44-46 ROADWAY SCHEDULES  
 47-58 ALIGNMENT, TIES, AND BENCHMARKS  
 59-71 ROADWAY PLAN AND PROFILE  
 72-81 SUPERELEVATION AND JOINTING DETAIL PLAN  
 82-84 GORE GRADING DETAILS  
 85-108 CONCRETE BARRIER TRANSITION DETAILS  
 109-117 CONCRETE BARRIER DETAILS  
 118-120 CONGRESS PARKWAY ROADWAY GRADING PLAN DETAILS  
 121 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN - GENERAL NOTES  
 122-124 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN - NARRATIVE  
 125-126 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN - SCHEDULES  
 127-138 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN - TYPICAL SECTIONS  
 139-147 DETOUR PLANS  
 148-153 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN - DETAILS  
 154-162 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN - MAINLINE PRE-STAGE  
 163-167 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN - MAINLINE LANE CLOSURE PRE-STAGE  
 168-176 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN - MAINLINE STAGES 1A  
 177-185 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN - MAINLINE STAGES 1B  
 186-189 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN - MAINLINE LANE CLOSURE STAGE 1B  
 190-198 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN - MAINLINE STAGES 1C  
 199-207 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN - MAINLINE STAGES 2  
 208-212 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN - MAINLINE LANE CLOSURE STAGE 2  
 213-215 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN - RAMP EN CLOSURE STAGE 2  
 216-224 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN - MAINLINE STAGES 3  
 225-230 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN - CONGRESS PARKWAY  
 231 EROSION CONTROL GENERAL NOTES  
 232-233 A EROSION CONTROL SCHEDULES  
 234-254 EROSION AND SEDIMENTATION CONTROL PLAN  
 255 EROSION AND SEDIMENTATION CONTROL DETAIL  
 256-261 EXISTING DRAINAGE REMOVAL PLAN  
 262-274 DRAINAGE AND UTILITY PLAN AND PROFILE  
 275-278 DRAINAGE AND UTILITY PLAN - CTA  
 279-283 SUBSURFACE DRAINAGE PLANS  
 284-287 DRAINAGE DETAILS  
 288-303 BORING LOGS  
 304-307 EXISTING DRAINAGE PLAN AND DETAIL  
 308-310 WATER SERVICE RELOCATION PLANS  
 311-321 UTILITY LOCATION PLANS  
 322 PAVEMENT MARKING SCHEDULES  
 323-330 PAVEMENT MARKING PLAN  
 331-334 SIGNING SCHEDULES  
 335-344 SIGNING PLAN  
 345-349 SIGNING DETAILS  
 350-363 SIGN PANEL DETAILS  
 364-376 OVERHEAD SIGN PANEL PLACEMENT  
 377-389 OVERHEAD SIGN STRUCTURE DETAILS  
 390-406 LIGHTING PLANS AND DETAILS  
 407-420 ITS PLANS AND DETAILS  
 421-432 PROPOSED WALL #9 PLANS (SN 016-1728)  
 433-441 PROPOSED WALL #11 PLANS (SN 016-1800)  
 442-468 PROPOSED WALL #12 PLANS (SN 016-1801)  
 469-473 EXISTING WALL #9 PLANS (SN 016-Z028)  
 474-482 EXISTING WALL #10 PLANS (SN 016-Z029)  
 483-491 EXISTING WALL #13 PLANS (SN 016-Z046)  
 492-509 EXISTING WALL AS-BUILTS  
 510-515 THESE PAGES ARE INTENTIONALLY LEFT BLANK  
 516-556 DISTRICT 1 DETAILS  
 557-578 IDOT TRAFFIC SYSTEMS CENTER STANDARD DRAWINGS  
 579-583 ROADWAY DETAILS  
 584-586 CDOT STANDARD DETAILS  
 587-596 CHICAGO DEPT OF WATER MANAGEMENT DETAILS

**INDEX OF SHEETS**

597-636 CROSS SECTIONS - EB I-290 STAGE 1A  
 637-676 CROSS SECTIONS - EB I-290 STAGE 1B  
 677-716 CROSS SECTIONS - EB I-290 STAGE 2  
 717-756 CROSS SECTIONS - EB I-290 STAGE 3  
 757-765 CROSS SECTIONS - EB CONGRESS PARKWAY STAGE 1A  
 766-774 CROSS SECTIONS - EB CONGRESS PARKWAY STAGE 1B  
 775-783 CROSS SECTIONS - EB CONGRESS PARKWAY STAGE 2  
 784-792 CROSS SECTIONS - EB CONGRESS PARKWAY STAGE 3  
 793-796 CROSS SECTIONS - RAMP EN 1  
 797-798 CROSS SECTIONS - RAMP ES STAGE 1A  
 799-800 CROSS SECTIONS - RAMP ES STAGE 1B  
 801-802 CROSS SECTIONS - RAMP ES STAGE 3  
 803-808 CROSS SECTIONS - RAMP ES I STAGE 1A  
 809-814 CROSS SECTIONS - RAMP ES I STAGE 2

**HIGHWAY STANDARDS**

000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS  
 001001-02 AREAS OF REINFORCEMENT BARS  
 001006 DECIMAL OF AN INCH AND OF A FOOT  
 280001-07 TEMPORARY EROSION CONTROL SYSTEMS  
 420001-08 PAVEMENT JOINTS  
 420101-05 24' (7.2m) JOINTED PCC PAVEMENT  
 420106-05 36' (10.8m) JOINTED PCC PAVEMENT  
 420111-03 PCC PAVEMENT ROUNDOUTS  
 420301-07 EXIT RAMP TERMINAL (JOINTED PCC RAMP PAVEMENT ADJACENT TO JOINTED PCC MAINLINE PAVEMENT)  
 483001-04 PCC SHOULDER  
 601001-05 PIPE UNDERDRAINS  
 602001-02 CATCH BASIN, TYPE A  
 602301-04 INLET - TYPE A  
 602401-03 MANHOLE TYPE A  
 602406-07 MANHOLE TYPE A 6' (1.8m) DIAMETER  
 602411-05 MANHOLE TYPE A 7' (2.1m) DIAMETER  
 602416-05 MANHOLE TYPE A 8' (2.4m) DIAMETER  
 602421-05 MANHOLE TYPE A 9' (2.7m) DIAMETER  
 602601-04 PRECAST REINFORCED CONCRETE FLAT SLAB TOP  
 602701-02 MANHOLE STEPS  
 604001-04 FRAME AND LIDS TYPE 1  
 604046-03 FRAME AND GRATE TYPE 10  
 604071-05 FRAME AND GRATE TYPE 20  
 606001-06 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER  
 606101-05 TYPE A GUTTER (INLET, OUTLET & ENTRANCE)  
 642001-02 SHOULDER RUMBLE STRIPS, 16 in  
 664001-02 CHAIN LINK FENCE  
 701106-02 OFF-ROAD OPERATION, MULTILANE, MORE THAN 15' (4.5m) AWAY  
 701400-09 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY  
 701401-10 LANE CLOSURE, FREEWAY/EXPRESSWAY  
 701411-09 LANE CLOSURE, MULTILANE AT ENTRANCE OR EXIT RAMP, FOR SPEEDS  $\leq$  45 MPH  
 701428-01 TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY  
 701446-08 TWO LANE CLOSURE, FREEWAY/EXPRESSWAY  
 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN  
 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE  
 701901-06 TRAFFIC CONTROL DEVICES  
 704001-08 TEMPORARY CONCRETE BARRIER  
 720001-01 SIGN PANEL MOUNTING DETAILS  
 720006-04 SIGN PANEL ERECTION DETAILS  
 720011-01 METAL POSTS FOR SIGNS MARKERS AND DELINEATORS  
 725001-01 OBJECT AND TERMINAL MARKERS  
 728001-01 TELESCOPING STEEL SIGN SUPPORT  
 729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGN & MARKERS)  
 731001-01 BASE FOR TELESCOPING STEEL SIGN SUPPORT  
 780001-05 TYPICAL PAVEMENT MARKINGS  
 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS  
 782006-04 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS  
 814001-03 HANDHOLES  
 837001-04 LIGHT TOWER FOUNDATION

FILE PATH = p:\6167479-PMINT-26\components\line\local\60X76\Documents\6167479-PMINT-26\Drawings\60X76\Roadway\Sheets\60X76\Contract\60X76-ehs-CanNote-01.dgn



D:\60X76-ehs-CanNote-01.dgn	DESIGNED - MFD	REVISED -
USER NAME = vjjanachone	DRAWN - MFD	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - MFD	REVISED -
PLOT DATE = 5/10/2017	DATE - 5/10/17	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>INDEX OF DRAWINGS AND HIGHWAY STANDARDS</b>			
SCALE: NONE	SHEET 1	OF 4 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/230	2014-002R&B	COOK	814	2
CONTRACT NO. 60X76				
ILLINOIS FED. AID PROJECT				

REV 7-19-17

FILE PATH = P:\1\17479-P\INT\ascoment\line\local\60X76-CONTRACT\0160076-shr-30.dgn

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE																
				ROADWAY	ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	LIGHTING								
				90% FED	100% STATE	90% FED	100% STATE	90% FED	100% STATE	90% FED	100% STATE	90% FED	100% STATE							
				0004	0004	0004	0004	0004	0004	0004	0004	0021								
				URBAN	URBAN	016-1728	016-1800	016-1801	016-2028	016-2029	016-2046	URBAN								
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	371	371																
* 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	65	65																
20101000	TEMPORARY FENCE	FOOT	1,531	1,531																
* 20101100	TREE TRUNK PROTECTION	EACH	17	17																
* 20101200	TREE ROOT PRUNING	EACH	17	17																
* 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	22	22																
* 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	9	9																
* 20101700	SUPPLEMENTAL WATERING	UNIT	8.4	8.4																
20200100	EARTH EXCAVATION	CU YD	15,965	15,965																
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	3,683	3,683																
20400800	FURNISHED EXCAVATION	CU YD	940	940																
20800150	TRENCH BACKFILL	CU YD	6,291	6,291																
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	6,453	6,453																
14 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	12,610	12,610																

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

	D:\00X76-shr-300.dgn USER NAME = v\janechione PLOT SCALE = 20.0000' / 1" = 20' PLOT DATE = 5/11/2017	DESIGNED - MKW DRAWN - CAT CHECKED - JMC DATE - 5/10/17	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b> SCALE: NONE    SHEET 1 OF 27 SHEETS    STA.    TO STA.	F.A.I. RTE. 90/94/290	SECTION 2014-002R&B	COUNTY COOK	TOTAL SHEETS 814	SHEET NO. 6	CONTRACT NO. 60X76	ILLINOIS FED. AID PROJECT
--	---	--	--	---	--	--------------------------	------------------------	----------------	---------------------	----------------	--------------------	---------------------------

REV 7-19-17

FILE PATH = p:\1617479-P\UNIT-Accessories\local\444\ECOM\_0502\_04\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_1\1008-CAD\006\_Roadway\Sheets\60X76\_Contract\0160X76-shr-500.dgn

CODE NUMBER	PAY ITEM	UNIT	CONSTRUCTION CODE									
			URBAN TOTAL QUANTITY	ROADWAY	ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	LIGHTING
				90% FED	100% STATE	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED
				10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE
			0004	0004	0004	0004	0004	0004	0004	0021		
			URBAN	URBAN	016-1728	016-1800	016-1801	016-2028	016-2029	016-2046	URBAN	
21101685	TOPSOIL FURNISH AND PLACE, 24"	SQ YD	621	621								
21101800	COMPOST FURNISH AND PLACE, 1"	SQ YD	560	560								
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	100	100								
21301084	EXPLORATION TRENCH 84" DEPTH	FOOT	100	100								
* 25000312	SEEDING, CLASS 4A	ACRE	2.25	2.25								
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	236	236								
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	236	236								
* 25100115	MULCH, METHOD 2	ACRE	3.00	3.00								
* 25100135	MULCH, METHOD 4	ACRE	0.50	0.50								
* 25100630	EROSION CONTROL BLANKET	SQ YD	10,134	10,134								
* 25200110	SODDING, SALT TOLERANT	SQ YD	2,476	2,476								
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	300	300								
28000400	PERIMETER EROSION BARRIER	FOOT	1,868	1,868								
28000510	INLET FILTERS	EACH	259	259								

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



DESIGNED - MKW  
DRAWN - CAT.  
CHECKED - JMG  
DATE - 5/10/17

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE      SHEET 2 OF 27 SHEETS      STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	7
CONTRACT NO. 60X76			ILLINOIS FED. AID PROJECT	

△ REV 7-19-17

FILE PATH = P:\1617479-PWINT-Leascom\line\local\REC\CON\582.MA\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_1\1602\_CAD\086\_Roadway\Sheets\60X76\_Contract\0160X76-shv-510.dgn

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE							LIGHTING	
				ROADWAY	ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL		
				90% FED	100% STATE	90% FED	10% STATE	90% FED	10% STATE	90% FED		10% STATE
				0004	0004	0004	0004	0004	0004	0004		0004
				URBAN	URBAN	016-1728	016-1800	016-1801	016-2028	016-2029		016-2046
51603000	DRILLED SHAFT IN SOIL	CU YD	5,073.7					5,073.7				
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	3,618	2,409				1,209				
52200105	FURNISHING SOLDIER PILES (W SECTION)	FOOT	2,060			1,645	415					
52200200	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	16,776			12,668	4,108					
52200250	UNTREATED TIMBER LAGGING	SQ FT	1,702			1,411	291					
52200900	CONCRETE STRUCTURES (RETAINING WALL)	CU YD	96.0			77.0	19.0					
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	1,431	1,431								
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	1,921	1,921								
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	1,728	1,728								
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	1,078	1,078								
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	556	556								
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	242	242								
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	307	307								
550A1300	STORM SEWERS, CLASS A, TYPE 5 30"	FOOT	87	87								

\* DENOTES SPECIALTY ITEM

\*\* DENOTES NON-PARTICIPATING ITEM

0042



D:\60X76-shv-500.dgn  
 USER NAME = v1janechione  
 PLOT SCALE = 20.0000' / 1in.  
 PLOT DATE = 5/11/2017

DESIGNED - MKW  
 DRAWN - CAT  
 CHECKED - JMG  
 DATE - 5/10/17

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 6 OF 27 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	11
CONTRACT NO. 60X76				
ILLINOIS FED. AID PROJECT				

REV 7-19-17

FILE PATH = p:\617479-P\INT-accoun\trn\local\AECOM-DB22-NA\Documents\617479-Phase1\000\_CAD\006\_Roadway\Sheets\60X76\_Contract\0160X76\_sht-900.dgn

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE																
				ROADWAY	ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	LIGHTING							
				90% FED	100% STATE	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED							
				0004	0004	0004	0004	0004	0004	0004	0004	0004	0021							
				016-1728	016-1800	016-1801	016-2028	016-2029	016-2046	URBAN										
550A4800	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 18"	FOOT	385	385																
55100300	STORM SEWER REMOVAL 8"	FOOT	13	13																
55100400	STORM SEWER REMOVAL 10"	FOOT	157	157																
55100500	STORM SEWER REMOVAL 12"	FOOT	2,959	2,959																
55100700	STORM SEWER REMOVAL 15"	FOOT	479	479																
55100900	STORM SEWER REMOVAL 18"	FOOT	448	448																
55101100	STORM SEWER REMOVAL 21"	FOOT	126	126																
55101300	STORM SEWER REMOVAL 27"	FOOT	13	13																
55201500	STORM SEWERS JACKED IN PLACE, 42"	FOOT	335	335																
55201800	STORM SEWERS JACKED IN PLACE, 60"	FOOT	528	528																
56200700	WATER SERVICE LINE 2"	FOOT	108	108																
58700300	CONCRETE SEALER	SQ FT	55,686				3,576	754	12,612	3,320	14,428	20,996								
59000200	EPOXY CRACK INJECTION	FOOT	819							70	252	497								
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	136				112	24												

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



D:\617479-P\INT-accoun\trn\local\AECOM-DB22-NA\Documents\617479-Phase1\000_CAD\006_Roadway\Sheets\60X76_Contract\0160X76_sht-900.dgn	DESIGNED - MKW	REVISED -
USER NAME = v\jones@trn	DRAWN - CAT	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - JMG	REVISED -
PLOT DATE = 5/11/2017	DATE - 5/10/17	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

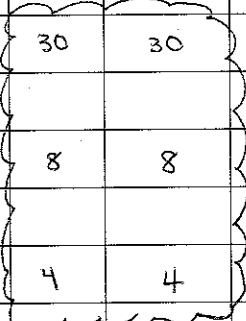
SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 7	OF 27 SHEETS	STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-002R&B	COUNTY COOK	TOTAL SHEETS 814	SHEET NO. 12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X76	

△ REV 7-19-17

FILE PATH = p:\61749-P\INT-ecomplan\loc\AEC\DK-D802-NA\Documents\01\_Americas\_Transportation\60259936\_Curle\_Phase1\000\_CAD\006\_Fordway\_Sheets\60276\_Contract\016076\_sht-00.dgn

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE																
				ROADWAY	ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	LIGHTING							
				90% FED	100% STATE	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED							
				0004	0004	0004	0004	0004	0004	0004	0004	0004	0021							
URBAN	URBAN	016-1728	016-1800	016-1801	016-2028	016-2029	016-2046	URBAN												
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	65	65																
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	60	60																
60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	8,378	8,378																
60108208	PIPE UNDERDRAINS, TYPE 2, 8"	FOOT	20	20																
60108210	PIPE UNDERDRAINS, TYPE 2, 10"	FOOT	3,600	3,600																
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3																
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2																
60201310	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	EACH	49	49																
60205010	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 20 FRAME AND GRATE	EACH	1	1																
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	11	11																
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	30	30																
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	8																
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4																
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2																



\* DENOTES SPECIALTY ITEM

\*\* DENOTES NON-PARTICIPATING ITEM

0042



DIGBY76-shr-500.dgn  
 USER NAME = v1janechone  
 PLOT SCALE = 20,0000' / 1"  
 PLOT DATE = 5/11/2017

DESIGNED - MKW  
 DRAWN - CAT  
 CHECKED - JMG  
 DATE - 5/10/17

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 8 OF 27 SHEETS STA. TO STA.

F.A.I. RIE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	13
CONTRACT NO. 60X76			ILLINOIS FED. AID PROJECT	

REV 7-19-17

FILE PATH = p:\1617479-PWINT\espcmn\line\local\ECM\_D562\_M\Documents\01\_Americas\Transportation\60259938\_Circle Phase\1\000\_CAD\006\_Roadway\Sheets\80X76\_Contract\DI0076-shr-500.dgn

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE										
				ROADWAY	ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	LIGHTING		
				90% FED	100% STATE	90% FED	100% STATE	90% FED	100% STATE	90% FED	100% STATE	90% FED	100% STATE	
				0004	0004	0004	0004	0004	0004	0004	0004	0021		
				016-1728	016-1800	016-1801	016-2028	016-2029	016-2046	URBAN				
* 78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	8,474	8,474										
* 78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	1,090	1,090										
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	522	522										
	78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	60	60									
* 78100300	REPLACEMENT REFLECTOR	EACH	63	63										
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	3,024	3,024										
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	532	532									
* 81022300	CONDUIT ENCASED IN CONCRETE, 4" DIA., PVC	FOOT	309	309										
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	2,782	2,782										
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	281	281										
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	20	20										
* 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	50											50
* 81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	85	85										
* 81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	174	174										

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



DESIGNED - MKW	REVISIONS -
DRAWN - CAT	REVISIONS -
CHECKED - JMG	REVISIONS -
DATE - 5/10/17	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 14	OF 27 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	19
CONTRACT NO. 60X76			ILLINOIS FED. AID PROJECT	

REV 7-19-17





FILE PATH = p:\1617479-P\INT\ascom\trnsystems\01\_Americas\Transportation\60269936\_Circle\Phase\_1\11008\_CAD\006\_Roadway\Sheets\60X76\_Contract\0160X76-ahv-500.dgn

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE																	
				ROADWAY	ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	LIGHTING								
				90% FED	100% STATE	90% FED	100% STATE	90% FED	100% STATE	90% FED	100% STATE	90% FED	100% STATE								
				0004	0004	0004	0004	0004	0004	0004	0004	0004	0021								
				016-1728	016-1800	016-1801	016-2028	016-2029	016-2046	URBAN											
* 83050800	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 12 FT. MAST ARM	EACH	7																		7
* 83505450	LIGHT TOWER, 130 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 7	EACH	1																		1
* 83507800	LIGHT TOWER, 150 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 6	EACH	1																		1
* 83507850	LIGHT TOWER, 150 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 7	EACH	1																		1
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	91.0																		91.0
* 83700350	LIGHT TOWER FOUNDATION, 54" DIAMETER	FOOT	39.0																		39.0
* 83700400	LIGHT TOWER FOUNDATION, 60" DIAMETER	FOOT	85.0																		85.0
* 84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	5																		5
* 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	26																		26
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	4																		4
* 84400405	RELOCATE EXISTING WOOD POLES	EACH	8																		8
* 87300748	ELECTRIC CABLE IN CONDUIT, COMMUNICATION, NO. 19 100 PAIR	FOOT	2,803	2,803																	
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	2,056	2,056																	
* 87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FOOT	460	460																	

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



DESIGNED - MKW	REVISED -
DRAWN - CAT	REVISED -
CHECKED - JMG	REVISED -
DATE - 5/10/17	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 16	OF 27 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	21
CONTRACT NO. 60X76				
ILLINOIS FED. AID PROJECT				

REV 7-19-17

FILE PATH = p:\11817476-PWNT\ascom\mtr\local\ECOM-D502-NA\Documents\01\_Americas\Transportation\60626938-Circle Phase II\BIB-COPY\BIB-Residual\Sheets\8076-ht-00.dgn

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE																
				ROADWAY	ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	LIGHTING								
				90% FED	100% STATE	90% FED	10% STATE	90% FED	10% STATE	90% FED	10% STATE	90% FED	10% STATE							
				0004	0004	0004	0004	0004	0004	0004	0004	0004	0021							
				016-1728	016-1800	016-1801	016-Z028	016-Z029	016-Z046	URBAN										
* 87800200	CONCRETE FOUNDATION, TYPE D	FOOT	10	10																
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4,705	4,705																
* A2000224	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE), 3" CALIPER, BALLED AND BURLAPPED	EACH	1	1																
* E20200G1	VINE-PARTHENOCISSUS QUINQUEFOLIA (VIRGINIA CREEPER), 1-GALLON POT	EACH	409	409																
* E20210G1	VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL MANNII (ENGMANNII VIRGINIA CREEPER), 1-GALLON POT	EACH	507	507																
* <del>E20220G1</del>	<del>VINE-PARTHENOCISSUS TRICUSPIDATA (BOSTON IVY), 1-GALLON POT</del>	<del>EACH</del>	<del>1,285</del>	<del>1,285</del>																
* E20020G6	VINE-CAMPSIS RADICANS (TRUMPET VINE), 1-GALLON POT	EACH	28	28																
* K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	2	2																
* <del>K0013080</del>	<del>PERENNIAL PLANTS, SEDGE MEADOW TYPE, GALLON POT</del>	<del>UNIT</del>	<del>1</del>	<del>1</del>																
* X0320023	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	2	2																
X0320051	CROSSHOLE SONIC LOGGING ACCESS DUCTS	FOOT		4,845						4,845										
X0320052	CROSSHOLE SONIC LOGGING TESTING	EACH		12						12										
* X0322141	REMOVE TEMPORARY WOOD POLE	EACH		12																12
* X0322400	PILE EXTRACTION	EACH		4																
* X0322441	DIGITAL LOOP DETECTOR SENSOR UNIT (4 CHANNEL)	EACH		7																

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



D:\80X76-ght-S00.dgn	DESIGNED - MKW	REVISED -
USER NAME = vjjanachione	DRAWN - CAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMC	REVISED -
PLOT DATE = 5/11/2017	DATE - 5/10/17	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 17	OF 27 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	22
CONTRACT NO. 60X76				
ILLINOIS FED. AID PROJECT				

REV 7-19-17

FILE PATH = p:\1\817479-PIVINT\asccon\line\local\REC\COM\_0592.MA\Documents\01\_Americas\Transportation\606269938\_Circle\Phase\1\002\_CAD\086\_Files\Sheets\606269938\_Contract\0160X76-shr-500.dgn

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE																
				ROADWAY	ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	LIGHTING							
				90% FED	100% STATE	90% FED	10% STATE	90% FED	10% STATE	90% FED	10% STATE	90% FED	10% STATE							
				0004	0004	0004	0004	0004	0004	0004	0004	0004	0021							
				URBAN	URBAN	016-1728	016-1800	016-1801	016-Z028	016-Z029	016-Z046	URBAN								
* X0322442	TONE EQUIPMENT - 3 FREQUENCY RECEIVER PROGRAMMABLE	EACH	23	23																
* X0322443	TONE EQUIPMENT - 3 FREQUENCY TRANSMITTER PROGRAMMABLE	EACH	23	23																
* X0322444	TONE EQUIPMENT - POWER SUPPLY	EACH	4	4																
* X0322445	TONE EQUIPMENT - MOUNTING FRAME	EACH	2	2																
* X0323553	ORNAMENTAL FENCE, WROUGHT IRON	FOOT	37	37																
* X0323710	REMOVE CONDUIT ATTACHED TO STRUCTURE	FOOT	320	320																320
X0323902	CTA FENCE	FOOT	2,372	2,372																
* X0324597	CLOSED CIRCUIT TELEVISION CABINET	EACH	1	1																
* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	940																	940
* X0324911	REPLACE EXISTING DECAL WITH NEW LUMINAIRE NUMBERING DECAL	EACH	4																	4
* X0325040	FIBER OPTIC INNERDUCT 1 1/4" DIA.	FOOT	5,462	5,462																
X0325087	VIDEO TAPING OF MAIN DRAIN	FOOT	5,166	5,166																
* X0325207	TELEVISION INSPECTION OF SEWER	FOOT	1,940	1,940																
X0325279	CLASS SI CONCRETE (MISCELLANEOUS)	CU YD	558.0							558.0										

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



DESIGNED - MKW	REVISIONS -
DRAWN - CAT	REVISIONS -
CHECKED - JMC	REVISIONS -
DATE - 5/10/17	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 18	OF 27 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	23
CONTRACT NO. 60X76				
ILLINOIS FED. AID PROJECT				

REV 7-19-17

FILE PATH = p:\1\617479-P\INT-escan\line\local\IACOM-0502-MK\Documents\01\_Amurosa\Transportation\60269938 Circle Phase II\MOB-CAD\016-Roadway\Sheets\60X76-Contract\0160076-ht-1110.dgn

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE										
				ROADWAY	ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	LIGHTING		
				90% FED	100% STATE	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED		
				10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE		
				0004	0004	0004	0004	0004	0004	0004	0004	0004	0004	0021
				URBAN	URBAN	016-1728	016-1800	016-1801	016-2028	016-2029	016-2046	URBAN		
X0325349	TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)	FOOT	2,025.0	2,025.0										
* X0325815	REMOVE EXISTING CABLE	FOOT	3,770										3,770	
* X0326461	CLOSED CIRCUIT TELEVISION EQUIPMENT, FIBER OPTIC DISTRIBUTION	EACH	1	1										
X0326519	STEEL RAILING REMOVAL	FOOT	1,191							543	648			
** X0326801	COMBINED SEWERS TO BE CLEANED	FOOT	269		269									
* X0326948	CLOSED CIRCUIT TELEVISION CAMERA STRUCTURE, 50 FT. MOUNTING HEIGHT	EACH	1	1										
* X0327117	ATMS SYSTEM INTEGRATION	LSUM	1	1										
* X0327236	TEMPORARY WOOD POLE, 50 FT., CLASS 4	EACH	8											8
X0327267	SLOPE INCLINOMETER	EACH	3			1	1	1						
* X0327350	TEMPORARY WOOD POLE, 50 FT., CLASS 4, 15 FT. MAST ARM	EACH	5											5
X0327357	CONSTRUCTION VIBRATION MONITORING	LSUM	1	1										
* X0327561	BUDGETARY ALLOWANCE FOR CCTV INTEGRATION	LSUM	1	1										
* X0327616	MAINTAINING ITS DURING CONSTRUCTION	CAL MO	26	26										
X0327682	CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT ENGINEERING SERVICES	LSUM	1	1										

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



D:\00X76-ht-900.dgn	DESIGNED - MKW	REVISED -
USER NAME = vjanechione	DRAWN - CAT	REVISED -
PLOT SCALE = 20.0000' / 1" =	CHECKED - JMG	REVISED -
PLOT DATE = 5/11/2017	DATE - 5/10/17	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 19	OF 27 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	24
CONTRACT NO. 60X76				
ILLINOIS FED. AID PROJECT				

REV 7-19-17

FILE PATH = p:\16174-FWNT-escanor\Line\cadd\60X76.dgn  
 America's Transportation Solutions  
 C:\Users\vi\Documents\60X76-ESCANOR\Sheet\60X76-ESCANOR.dgn

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE										
				ROADWAY	ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	LIGHTING	
				90% FED	100% STATE	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	
				10% STATE	100% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	
				0004	0004	0004	0004	0004	0004	0004	0004	0004	0021	URBAN
				URBAN	URBAN	016-1728	016-1800	016-1801	016-2028	016-2029	016-2046			
* X0327755	CABINET HOUSING EQUIPMENT, ESP 3, CONCRETE FOUNDATION MOUNTED	EACH	2	2										
X0327756	STAINLESS STEEL CABLE PLANT SUPPORT SYSTEM	LSUM	1			1								
X0327757	FOUNDATION CONSTRUCTION AT EXISTING OBSTRUCTIONS	EACH	6	2				4						
X0327808	PLANTING SOIL MIX FURNISH AND PLACE, 18"	SO YD	29	29										
X0327814	PLANTING SOIL MIX FURNISH AND PLACE, 24"	SO YD	511	511										
X0327820	PLANTING SOIL MIX FURNISH AND PLACE, 30"	SO YD	20	20										
* X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SO FT	9,552	9,552										
* X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	4,997	4,997										
X0370070	COMBINED SEWER (WATER MAIN REQUIREMENTS), 8 INCH CDOT	FOOT	12	12										
X0370071	COMBINED SEWER (WATER MAIN REQUIREMENTS), 12 INCH CDOT	FOOT	193	193										
X0370080	COMBINATION CURB AND GUTTER TYPE B V.12 (CDOT)	FOOT	328.5	328.5										
X0370135	CONCRETE CURB, TYPE B (SPECIAL) (CDOT)	FOOT	62.0	62.0										
X0370164	MANHOLES TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID (CITY OF CHICAGO)	EACH	8	8										
X0370185	COMBINED SEWER (EXTRA STRENGTH VITRIFIED CLAY PIPE) 12 INCH (CDOT)	FOOT	282	282										
* X1400172	ELECTRIC CABLE IN CONDUIT, COMMUNICATION, NO. 19 6 PAIR	FOOT	1,536	1,536										

\* DENOTES SPECIALTY ITEM

\*\* DENOTES NON-PARTICIPATING ITEM

0042



D:\60X76-sht-900.dgn  
 USER NAME = vijanachione  
 PLOT SCALE = 20.0000' / 1" in.  
 PLOT DATE = 5/11/2017

DESIGNED - MKW  
 DRAWN - CAT  
 CHECKED - JMG  
 DATE - 5/10/17

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 20 OF 27 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	25
CONTRACT NO. 60X76				
ILLINOIS FED. AID PROJECT				

REV 7-19-17

FILE PATH = pm\1617479-PMINT-ascconmlns-local\4ECOM\_0592\_MN\Documents\01\_Amer\cas\Transportation\60269938 Circle\Phase1\1800\_CAD\006\_Roadway\Sheets\60X76\_Contract\180076-shit-FOI.dgn

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE									
				ROADWAY	ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	LIGHTING	
				90% FED	100% STATE	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	
				10% STATE	100% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	
				0004	0004	0004	0004	0004	0004	0004	0004	0004	0021
				URBAN	URBAN	016-1728	016-1800	016-1801	016-2028	016-2029	016-2046	URBAN	
X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	3	3									
X6640200	TEMPORARY CHAIN LINK FENCE	FOOT	1,531	1,531									
X6640525	CHAIN LINK FENCE, 4' ATTACHED TO STRUCTURE	FOOT	541					541					
X6640704	TEMPORARY CHAIN LINK FENCE WITH SCREENING, 4'	FOOT	1,451	1,451									
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	26	26									
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1									
* X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	1	1									
* X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	787	787									
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	1,574	1,574									
* X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	53,798	53,798									
* X7035100	TEMPORARY EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1,539	1,539									
* X7035104	TEMPORARY EPOXY PAVEMENT MARKING - LINE 4"	FOOT	146,956	146,956									
* X7035105	TEMPORARY EPOXY PAVEMENT MARKING - LINE 5"	FOOT	21,090	21,090									
* X7035108	TEMPORARY EPOXY PAVEMENT MARKING - LINE 8"	FOOT	54,327	54,327									
* X7035112	TEMPORARY EPOXY PAVEMENT MARKING - LINE 12"	FOOT	3,575	3,575									

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



D:\00X76-shit-SC0.dgn  
 USER NAME = vjanechione  
 PLOT SCALE = 20.0000' / 1" =  
 PLOT DATE = 5/11/2017

DESIGNED - MKW  
 DRAWN - CAT  
 CHECKED - JMG  
 DATE - 5/10/17

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE      SHEET 22 OF 27 SHEETS      STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	27
CONTRACT NO. 60X76				
ILLINOIS FED. AID PROJECT				

△ REV 7-19-17

FILE PATH = P:\17479-P\INT\COMMON\LOCAL\46\COM\_0302\_0A\Documents\01\_Americas\Transportation\60269538\_Circula\Phase\_1\000\_CAD\0066\_Reporting\_Sheets\60X76\_Contract\0160X76-1100.dgn

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE																
				ROADWAY	ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	LIGHTING							
				90% FED	100% STATE	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED							
				10% STATE	100% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE							
				0004	0004	0004	0004	0004	0004	0004	0004	0004	0021							
URBAN	URBAN	016-1728	016-1800	016-1801	016-Z028	016-Z029	016-Z046	016-Z046	URBAN											
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	4,099	4,099																
* X7270025	REMOVE EXISTING SIGN SUPPORT	EACH	19	19																
* X7330076	BRIDGE MOUNTED SIGN SUPPORT	EACH	19	19																
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	63	63																
* X8100863	INTERCEPT EXISTING CONDUIT	EACH	9	3																6
* X8130115	DRILL EXISTING JUNCTION BOX	EACH	5	2																3
* X8130120	RELOCATE EXISTING JUNCTION BOX	EACH	2																	2
* X1400256	JUNCTION BOX, TYPE J, 41"x12"x9"	EACH	12	12																
* X8131168	JUNCTION BOX, NON-METALLIC, EMBEDDED IN STRUCTURE, 21" X 11" X 08"	EACH	8																	8
* X8360103	LIGHT POLE FOUNDATION, INTEGRAL WITH BARRIER WALL	EACH	17																	17
* X8420502	REMOVAL OF LIGHT TOWER, NO SALVAGE	EACH	3																	3
* X8420510	REMOVAL OF TOWER FOUNDATION	EACH	3																	3
* X8710036	FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	1,187	1,187																
* X8730312	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	FOOT	1,417	1,417																

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

	D:\80X76-sh1-900.dgn	DESIGNED - MKW	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	USER NAME = v1janechione	DRAWN - CAT	REVISED -		90/94/290	2014-002R&B	COOK	814	28				
	PLOT SCALE = 20,0000' / 1in	CHECKED - JMG	REVISED -		SCALE: NONE	SHEET 23	OF 27 SHEETS	STA.	TO STA.	CONTRACT NO. 60X76			
	PLOT DATE = 5/11/2017	DATE - 5/10/17	REVISED -						ILLINOIS FED. AID PROJECT				

Δ REV 7-19-17 REV



FILE PATH = p:\1\617479-FWINT\escomont\local\elaf\ECOM\_ES92\_MN\Documents\01\_Amor\Task\Transportation\60269936\_Circle\Phase1\006\_CAD\006\_Plan\006\_Plan.dgn

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE																
				ROADWAY	ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	LIGHTING							
				90% FED	100% STATE	90% FED	100% STATE	90% FED	100% STATE	90% FED	100% STATE	90% FED	100% STATE							
				0004	0004	0004	0004	0004	0004	0004	0004	0004	0021							
				URBAN	URBAN	016-1728	016-1800	016-1801	016-2028	016-2029	016-2046	URBAN								
* X8850102	INDUCTION LOOP	FOOT	45	45																
* X8850109	PREFORMED INDUCTION LOOP	FOOT	958	958																
* X8950425	REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT	LSUM	1	1																
* X8951011	REMOVE AERIAL CABLE	FOOT	1,920																	1,920
X1700035	CLASS SI CONCRETE	CU YD	51.0	51.0																
K1003680	MULCH	SO YD	560	560																
Z0002300	BALLAST	CU YD	649	649																
Z0007510	ENGINEERED BARRIER	SO YD	706	706																
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SO FT	192								85	46	61							
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SO FT	32								4	28								
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SO YD	249	249																
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1																
Z0019600	DUST CONTROL WATERING	UNIT	50	50																
Z0022800	FENCE REMOVAL	FOOT	2,121	2,121																

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



D:\00X76-shr-300.dgn  
 USER NAME = vjenschone  
 PLOT SCALE = 20.0000' / 1"  
 PLOT DATE = 5/11/2017

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE - 5/10/17

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
 SCALE: SHEET 24 OF 27 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290  
 SECTION 2014-002R&B  
 COUNTY COOK  
 TOTAL SHEETS 814  
 SHEET NO. 29  
 CONTRACT NO. 60X76  
 ILLINOIS FED. AID PROJECT

REV 7-19-17

REV

FILE PATH = p:\1\817479-P\INT-acc\comline\loc\h\AECOM-D502-MA\Documents\01-Amer\ca\Transportation\60269938-Curc\Phase-1\B00-CAD\006-Roadway-Sheets\B076-Contract\0160076-ht-500.dgn

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE									
				ROADWAY	ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	LIGHTING	
				90% FED	100% STATE	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	
				10% STATE	100% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	
				0004	0004	0004	0004	0004	0004	0004	0004	0004	0021
				URBAN	URBAN	016-1728	016-1800	016-1801	016-2028	016-2029	016-2046	URBAN	
* Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	832	832									
* Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	32										32
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	26										26
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	876			256	55	565					
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1	1									
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	57	57									
Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	35	35									
Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	118	118									
Z0062456	TEMPORARY PAVEMENT	SQ YD	3,263	3,263									
Z0069700	SUB-BALLAST	CU YD	192	192									
Z0076600	TRAINEES	HOUR	2000	2000									
Z0076604	TRAINEES-TRAINING PROGRAM GRADUATE	HOUR	2000	2000									
X1200125	RELOCATE WATER SERVICE LINE, 2"	LSUM	1	1									
X1800009	REPAIR IRRIGATION SYSTEM	LSUM	1	1									

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



DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 5/10/17	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET 25	OF 27 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	30
CONTRACT NO. 60X76			ILLINOIS FED. AID PROJECT	

REV 7-19-17

REV

FILE PATH = p:\617479-P\INT\eescomentline\local\ecom\_0502\_Ma\Documents\81 Amer\usa\Transportation\60269938 Circle Phase\_11\000\_CAD\006\_Roadway\Sheets\60X76\_Contract\0160076\_sht-3.dgn

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE									
				ROADWAY	ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	LIGHTING	
				90% FED	100% STATE	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	
				10% STATE	100% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	
				0004	0004	0004	0004	0004	0004	0004	0004	0004	0021
				URBAN	URBAN	016-1728	016-1800	016-1801	016-2028	016-2029	016-2046	URBAN	
X1700036	CONCRETE BARRIER BASE (SPECIAL NO. 1)	FOOT	1,077	1,077									
X1700037	CONCRETE BARRIER BASE (SPECIAL NO. 2)	FOOT	1,163	1,163									
X1700038	CONCRETE BARRIER BASE (SPECIAL NO. 3)	FOOT	573	573									
X1700039	CONCRETE BARRIER BASE (SPECIAL NO. 4)	FOOT	325	325									
X1700040	CONCRETE BARRIER BASE (SPECIAL NO. 5)	FOOT	120	120									
X1700041	CONCRETE BARRIER BASE (SPECIAL NO. 6)	FOOT	37	37									
X1700042	CONCRETE BARRIER AND BASE, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)	FOOT	866	866									
X1700043	CONCRETE BARRIER AND BASE, VARIABLE WIDTH 42 INCH HEIGHT (SPECIAL)	FOOT	365	365									
X1700044	CONCRETE BARRIER WALL, VERTICAL FACE (SPECIAL)	FOOT	120	120									
* X1400259	LUMINAIRE, HIGHMAST, LED, TYPE D	EACH	20										20
* X1400258	LUMINAIRE, LED, HORIZONTAL MOUNT, TYPE D	EACH	32										32
X1700045	REMOVE TEMPORARY CONCRETE BARRIER NO SALVAGE	FOOT	50	50									
X0100012	REMOVAL OF SOIL RETENTION SYSTEM	L SUM	1					1					
* X2600023	REMOVE AND RE-ERECT SIGN PANEL, TYPE 3	SQ FT	663	663									

\* DENOTES SPECIALTY ITEM      \*\* DENOTES NON-PARTICIPATING ITEM      0 0042



DISK79-sht-300.dgn	DESIGNED -	REVISED -
USER NAME = v1janachene	DRAWN -	REVISED -
PLOT SCALE = 20,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/11/2017	DATE - 5/10/17	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET 26	OF 27 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	31
CONTRACT NO. 60X76				
ILLINOIS FED. AID PROJECT				

REV 7-19-17

FILE PATH = p:\1517479-PPINT\_Lawrence\m1\local\REC04\_0502\_1\Documents\01\_Americas\Transportation\60X76\_Combest\11006\_Civil\006\_Rev004\_Sheets\60X76\_Combest\016076-shr-100.dgn

CODE NUMBER	PAY ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE									
				ROADWAY	ROADWAY	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	RETAINING WALL	LIGHTING	
				90% FED	100% STATE	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	90% FED	
				10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	10% STATE	
				0004	0004	0004	0004	0004	0004	0004	0004	0004	0021
				URBAN	URBAN	016-1728	016-1800	016-1801	016-2028	016-2029	016-2046	URBAN	
* X1400257	COPPER CABLE INTEGRATION - HALSTED SHELTER	LSUM	1	1									
<del>X1200126</del>	<del>STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 EQUIVALENT ROUND SIZE, 18"</del>	<del>FOOT</del>	<del>85</del>	<del>85</del>									
X0200005	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 11 1/4" (JOINTED)	SQ YD	3,442	3,442									
X0200004	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)	SQ YD	938	938									

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



0160X76-shr-500.dgn	DESIGNED -	REVISED -
USER NAME = vljanachione	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/11/2017	DATE - 5/10/17	REVISED -

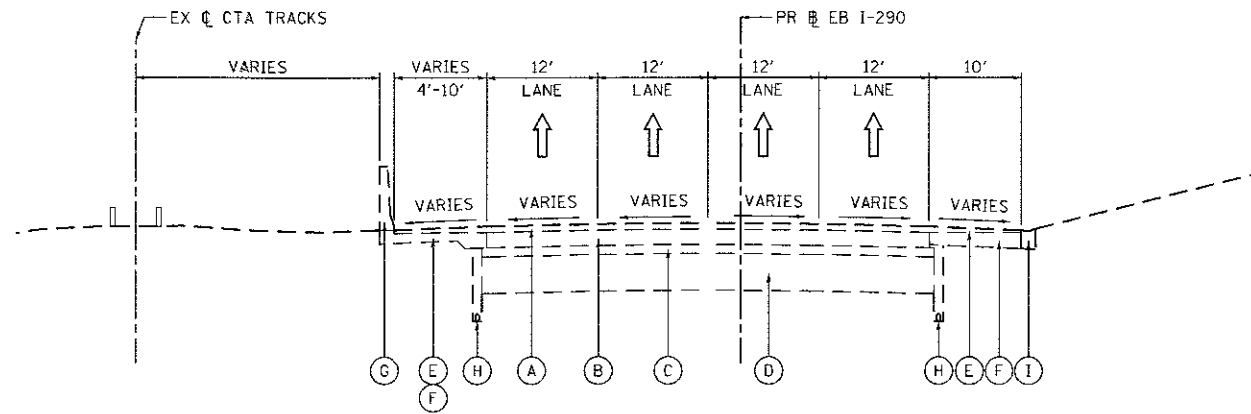
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET 27 OF 27 SHEETS	STA. TO STA.
--------	-----------------------	--------------

F.A.I. RTE. 90/94/290	SECTION 2014-002R&B	COUNTY COOK	TOTAL SHEETS 814	SHEET NO. 32
CONTRACT NO. 60X76				ILLINOIS FED. AID PROJECT

REV 7-19-17

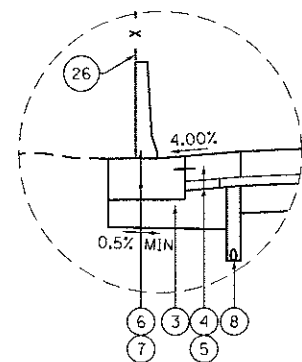
FILE PATH = p:\617479-FIN\TYPICAL\EB I-290\Documents\01\Americas\Transportation\02059908\_Circle\Phase\_11\000\_CAD\006\_Roadway\_Sheets\01076\_Contract\016876-act-typical-01.dgn



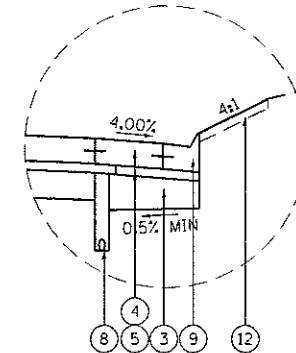
EXISTING MAIN DRAIN SEWER  
 7'-2 3/8" W x 8'-0" H  
 (APPROXIMATE LOCATION)

**EXISTING TYPICAL SECTION  
 (LOOKING EAST)**

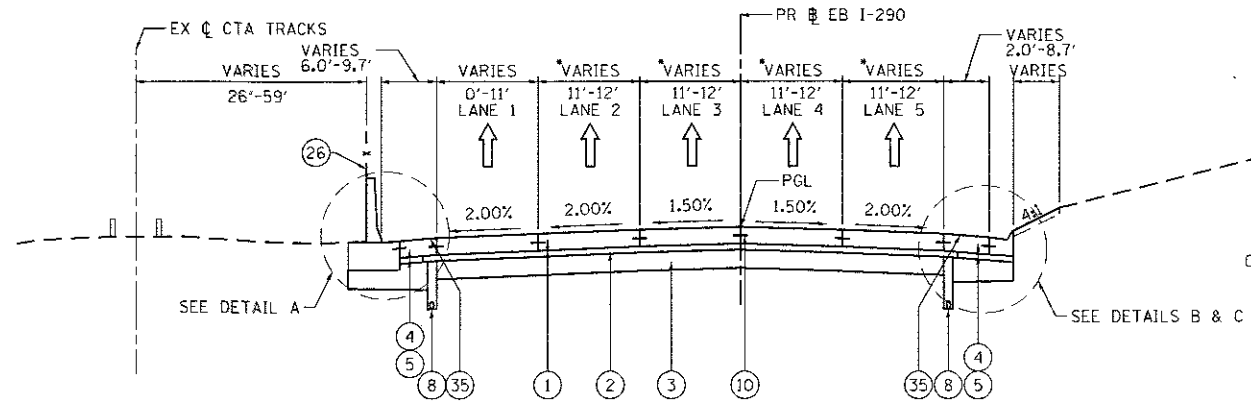
PR EB I-290  
 STA 5117+35.00 TO STA 5123+94.78



**DETAIL A**  
 BARRIER WALL FROM  
 STA 5117+35.00 TO STA 5123+95.00



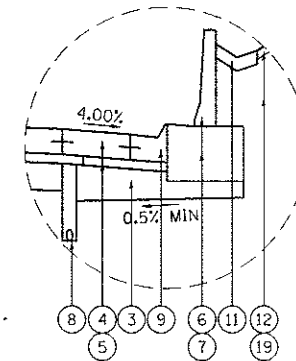
**DETAIL B**  
 CURB AND GUTTER FROM  
 STA 5117+35.00 TO STA 5123+76.84



EXISTING MAIN DRAIN SEWER  
 7'-2 3/8" W x 8'-0" H  
 (APPROXIMATE LOCATION)

**PROPOSED TYPICAL SECTION  
 (LOOKING EAST)**

PR EB I-290  
 STA 5117+35.00 TO STA 5123+95.00



**DETAIL C**  
 CURB AND GUTTER AND BARRIER WALL FROM  
 STA 5123+76.84 TO STA 5123+95.00

**NOTES:**

1. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE IMPROVEMENT UNDER THE SHOULDER TO DRAIN TO UNDERDRAINS SHALL BE INCLUDED IN THE COST PER SQ. YD. OF AGGREGATE SUBGRADE IMPROVEMENT 12".
2. THE MAXIMUM ROLLOVER BETWEEN THE PAVEMENT AND THE SHOULDER ON THE HIGH SIDE OF THE SUPERELEVATION IS 8%.
3. FOR PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED) DETAILS, SEE JOINTING AND PCC PAVEMENT DETAIL PLAN.
4. SEE SHEETS 109 TO 111 FOR BARRIER WALL DETAILS.
5. FOR TYPICAL SECTION SHEETS 34 TO 42 REPLACE PROPOSED LEGEND ITEM 10 WITH "TIE BARS PER STANDARD 420001-08 (INCLUDED IN PRICE FOR BID FOR PCC PAVEMENT, PCC BASE COURSE, AND PCC SHOULDERS OF THICKNESS SPECIFIED) SEE JOINTING PLANS FOR ADDITIONAL INFORMATION."

**EXISTING**

- (A) HOT-MIX ASPHALT PAVEMENT, 4" TO 7"
- (B) PORTLAND CEMENT CONCRETE PAVEMENT, 7" TO 10"
- (C) GRANULAR SUBBASE, 6"
- (D) PREPARED SUBGRADE, 12"
- (E) HOT MIX ASPHALT SHOULDER, 10"
- (F) PORTLAND CEMENT CONCRETE SHOULDER, 9"
- (G) CONCRETE BARRIER
- (H) PIPE UNDERDRAIN
- (I) COMBINATION CURB AND GUTTER, TYPE M-6.24 OR B-6.24
- (J) BITUMINOUS SHOULDER
- (K) TEMPORARY PAVEMENT
- (L) SUBBASE GRANULAR MATERIAL, 4"
- (M) POROUS GRANULAR EMBANKMENT, SPECIAL, 0"-36"
- (N) FENCE
- (O) METAL RAILING
- (P) HOT MIX ASPHALT PAVEMENT, 1.5"
- (Q) AGGREGATE BASE COURSE, 10"
- (R) TOPSOIL FURNISH AND PLACE, 4"
- (S) CTA SCREEN WALL
- (T) TEMPORARY CONCRETE BARRIER
- (U) SIDEWALK

**PROPOSED**

- (1) PORTLAND CEMENT CONCRETE PAVEMENT, 11 1/4" (JOINTED)
- (2) STABILIZED SUBBASE HOT MIX ASPHALT, 4"
- (3) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (4) PORTLAND CEMENT CONCRETE SHOULDERS, 11 1/4"
- (5) SUBBASE GRANULAR MATERIAL, TYPE C, 4"
- (6) CONCRETE BARRIER WALL, SINGLE FACE, 42 INCH HEIGHT
- (7) CONCRETE BARRIER BASE
- (8) PIPE UNDERDRAIN TYPE 2 6"
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (10) TIE BARS PER STANDARD 420001-08 (INCLUDED IN PRICE FOR BID FOR PCC PAVEMENT, PCC BASE COURSE, AND PCC SHOULDERS OF THICKNESS SPECIFIED) SEE JOINTING PLANS FOR ADDITIONAL INFORMATION. SEE NOTE 5
- (11) CONCRETE GUTTER TYPE A
- (12) TOPSOIL FURNISH AND PLACE, 4" AND SEEDING OR SODDING, (SEE EROSION CONTROL PLANS)
- (13) PORTLAND CEMENT CONCRETE PAVEMENT, 11" (JOINTED)
- (14) PORTLAND CEMENT CONCRETE SHOULDERS, 11"
- (15) TEMPORARY PAVEMENT (SEE TYPICAL SECTION SHEET 43 FOR DETAILS)
- (16) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (17) TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- (18) CONCRETE MEDIAN SURFACE, 4 INCH EMBANKMENT
- (19) EMBANKMENT
- (20) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (21) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- (22) PORTLAND CEMENT CONCRETE BASE COURSE, 9"
- (23) SUBBASE GRANULAR MATERIAL, TYPE B, 6"
- (24) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- (25) HOT-MIX ASPHALT BASE COURSE, 8"
- (26) CTA FENCE
- (27) CONCRETE BARRIER WALL (SPECIAL)
- (28) CONCRETE BARRIER AND BASE, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
- (29) CONCRETE BARRIER, VARIABLE CROSS SECTION 42 INCH HEIGHT
- (30) CONCRETE BARRIER AND BASE, VARIABLE WIDTH 42 INCH HEIGHT (SPECIAL)
- (31) CONCRETE BARRIER BASE (SPECIAL NO. 1)
- (32) CONCRETE BARRIER BASE (SPECIAL NO. 2)
- (33) CONCRETE BARRIER BASE (SPECIAL NO. 3)
- (34) CONCRETE BARRIER BASE (SPECIAL NO. 4)
- (35) SHOULDER RUMBLE STRIPS, 16 INCH
- (36) PINNING TEMPORARY CONCRETE BARRIER
- (37) COMBINATION CURB AND GUTTER, TYPE B V.12 (CDOT)
- (38) SELECT GRANULAR BACKFILL, SPECIAL
- (39) CLASS SI CONCRETE
- (40) CONCRETE BARRIER WALL, VERTICAL FACE (SPECIAL)
- (41) CONCRETE BARRIER BASE (SPECIAL NO. 5)
- (42) BALLAST
- (43) SUB-BALLAST
- (44) PLANTING SOIL MIX FURNISH AND PLACE, 24", SEE EROSION CONTROL PLANS

DI60X76-sh-typical-01.dgn	DESIGNED - JLV	REVISED - A 7/13/17
USER NAME : vjjenachone	DRAWN - SED	REVISED -
PLOT SCALE : 20.0000 / 1"	CHECKED - JMG	REVISED -
PLOT DATE : 7/19/2017	DATE - 5/10/17	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
 EB I-290

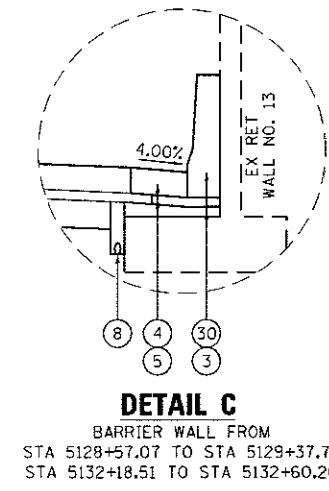
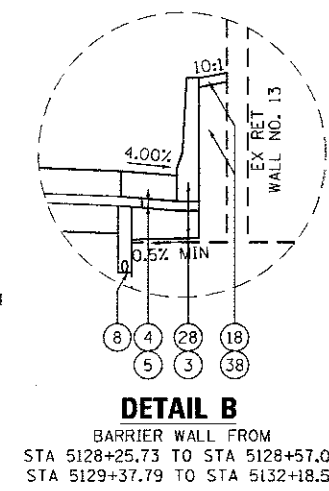
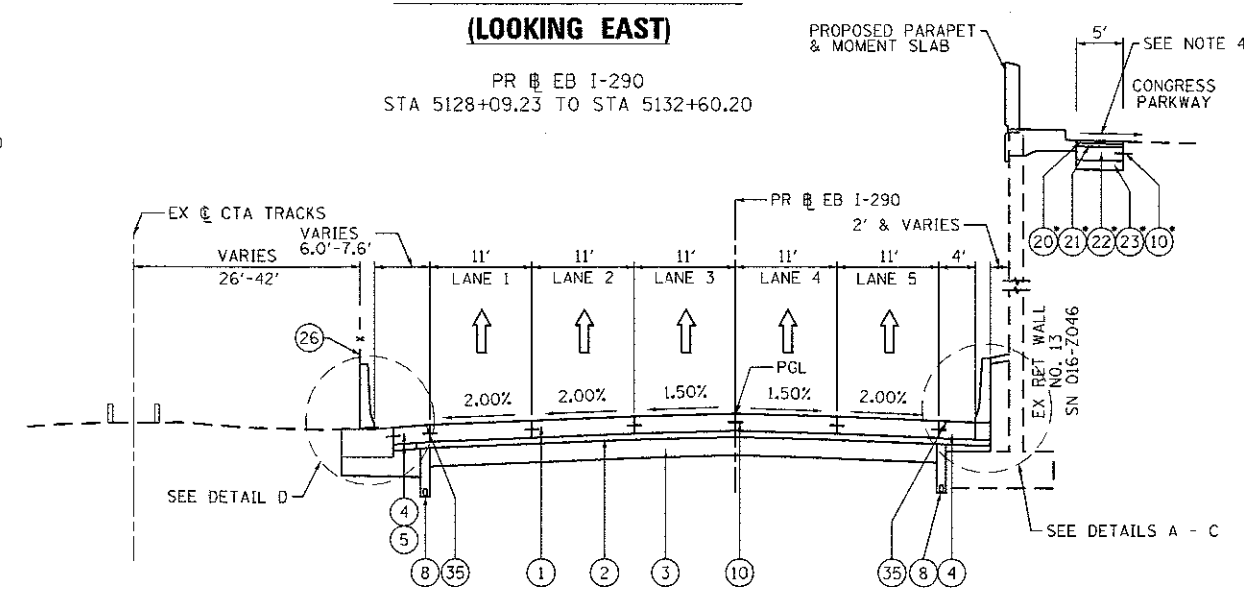
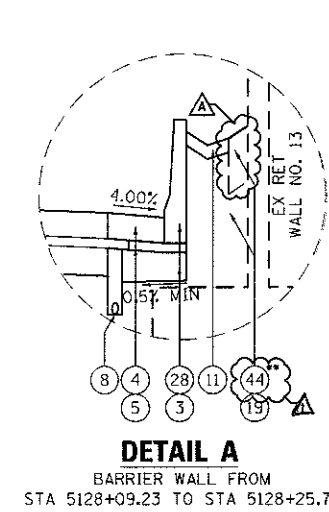
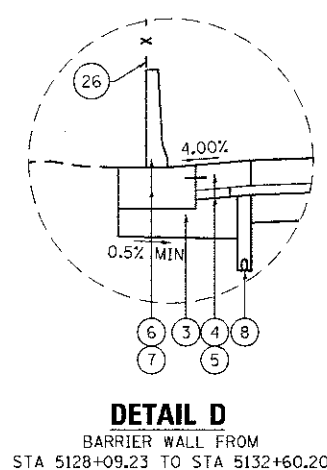
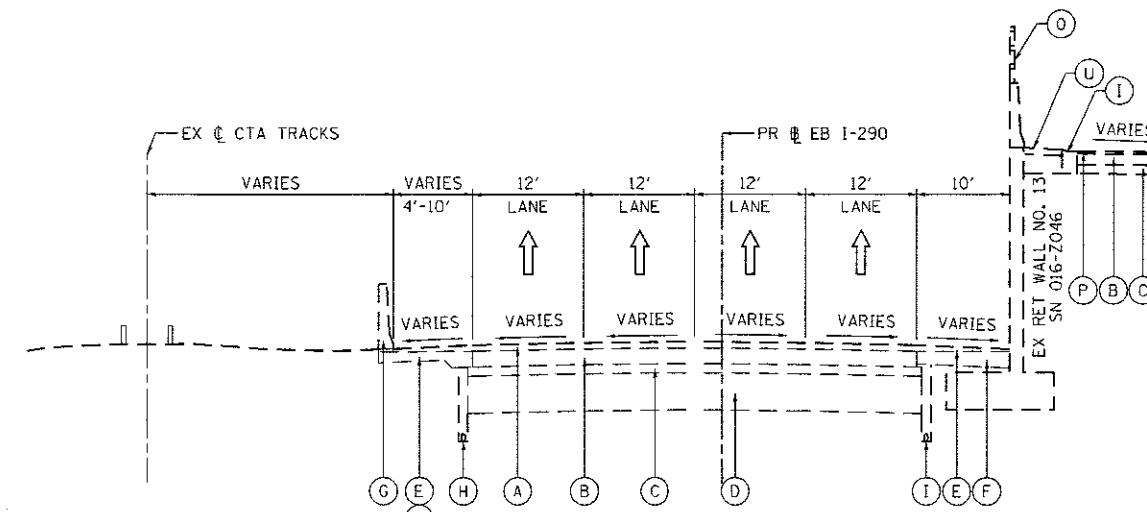
SCALE: NONE SHEET 1 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	33
CONTRACT NO. 60X76			ILLINOIS FED. AID PROJECT	

REV 7-19-17



FILE PATH = \\s1\617473\FWINT\encosmen\raw\local\AECOM\_D002\_NA\Documents\01\_America\Transportation\60269938\_Curiala\Phase 1\1000\_CAD\006\_Roadway\Shueta\60876-shu-typical-01.dgn



\*PROPOSED PAVEMENT SECTION ADJACENT TO PROPOSED PARAPET WALL FROM STA 5128+09.23 TO STA 5132+50.31

\*PLANTING SOIL MIX SHALL BE PLACED DIRECTLY ON TOP OF EXISTING RETAINING WALL FOOTING TO FINISHED GRADE IF DEPTH IS LESS THAN 24" (TO BE PAID FOR AS PLANTING SOIL MIX FURNISH AND PLACE 24")

**NOTES:**

1. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE IMPROVEMENT UNDER THE SHOULDER TO DRAIN TO UNDERDRAINS SHALL BE INCLUDED IN THE COST PER SQ. YD. OF AGGREGATE SUBGRADE IMPROVEMENT 12".
2. THE MAXIMUM ROLLOVER BETWEEN THE PAVEMENT AND THE SHOULDER ON THE HIGH SIDE OF THE SUPERELEVATION IS 8%.
3. FOR PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED) DETAILS, SEE JOINTING AND PCC PAVEMENT DETAIL PLAN.
4. FOR CONGRESS PARKWAY GRADING DETAILS SEE SHEET 118
5. SEE SHEETS 109 TO 111 FOR BARRIER WALL DETAILS.

**EXISTING**

- (A) HOT-MIX ASPHALT PAVEMENT, 4" TO 7"
- (B) PORTLAND CEMENT CONCRETE PAVEMENT, 7" TO 10"
- (C) GRANULAR SUBBASE, 6"
- (D) PREPARED SUBGRADE, 12"
- (E) HOT MIX ASPHALT SHOULDER, 10"
- (F) PORTLAND CEMENT CONCRETE SHOULDER, 9"
- (G) CONCRETE BARRIER
- (H) PIPE UNDERDRAIN
- (I) COMBINATION CURB AND GUTTER, TYPE M-6.24 OR B-6.24
- (J) BITUMINOUS SHOULDER
- (K) TEMPORARY PAVEMENT
- (L) SUBBASE GRANULAR MATERIAL, 4"
- (M) POROUS GRANULAR EMBANKMENT, SPECIAL, 0"-36"
- (N) FENCE
- (O) METAL RAILING
- (P) HOT MIX ASPHALT PAVEMENT, 1.5"
- (Q) AGGREGATE BASE COURSE, 10"
- (R) TOPSOIL FURNISH AND PLACE, 4"
- (S) CTA SCREEN WALL
- (T) TEMPORARY CONCRETE BARRIER
- (U) SIDEWALK

**PROPOSED**

- (1) PORTLAND CEMENT CONCRETE PAVEMENT, 11 1/4" (JOINTED)
- (2) STABILIZED SUBBASE HOT MIX ASPHALT, 4"
- (3) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (4) PORTLAND CEMENT CONCRETE SHOULDERS, 11 1/4"
- (5) SUBBASE GRANULAR MATERIAL, TYPE C, 4"
- (6) CONCRETE BARRIER WALL, SINGLE FACE, 42 INCH HEIGHT
- (7) CONCRETE BARRIER BASE
- (8) PIPE UNDERDRAIN TYPE 2 6"
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (10) #5 TIE BARS, 30" LONG AT 30" C-C (LONGITUDINAL CONSTRUCTION JOINT) (INCLUDED IN PRICE FOR BID FOR PCC PAVEMENT, PCC BASE COURSE, AND PCC SHOULDERS OF THICKNESS SPECIFIED)
- (11) CONCRETE GUTTER TYPE A
- (12) TOPSOIL FURNISH AND PLACE, 4" AND SEEDING OR SODDING, (SEE EROSION CONTROL PLANS)
- (13) PORTLAND CEMENT CONCRETE PAVEMENT, 11" (JOINTED)
- (14) PORTLAND CEMENT CONCRETE SHOULDERS, 11"
- (15) TEMPORARY PAVEMENT (SEE TYPICAL SECTION SHEET 43 FOR DETAILS)
- (16) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (17) TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- (18) CONCRETE MEDIAN SURFACE, 4 INCH EMBANKMENT
- (19) EMBANKMENT
- (20) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (21) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- (22) PORTLAND CEMENT CONCRETE BASE COURSE, 9"
- (23) SUBBASE GRANULAR MATERIAL, TYPE B, 6"
- (24) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- (25) HOT-MIX ASPHALT BASE COURSE, 8"
- (26) CTA FENCE
- (27) CONCRETE BARRIER WALL (SPECIAL)
- (28) CONCRETE BARRIER AND BASE, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
- (29) CONCRETE BARRIER, VARIABLE CROSS SECTION 42 INCH HEIGHT
- (30) CONCRETE BARRIER AND BASE, VARIABLE WIDTH 42 INCH HEIGHT (SPECIAL)
- (31) CONCRETE BARRIER BASE (SPECIAL NO. 1)
- (32) CONCRETE BARRIER BASE (SPECIAL NO. 2)
- (33) CONCRETE BARRIER BASE (SPECIAL NO. 3)
- (34) CONCRETE BARRIER BASE (SPECIAL NO. 4)
- (35) SHOULDER RUMBLE STRIPS, 16 INCH
- (36) PINNING TEMPORARY CONCRETE BARRIER
- (37) COMBINATION CURB AND GUTTER, TYPE B V.12 (CDOT)
- (38) SELECT GRANULAR BACKFILL, SPECIAL
- (39) CLASS SI CONCRETE
- (40) CONCRETE BARRIER WALL, VERTICAL FACE (SPECIAL)
- (41) CONCRETE BARRIER BASE (SPECIAL NO. 5)
- (42) BALLAST
- (43) SUB-BALLAST
- (44) PLANTING SOIL MIX FURNISH AND PLACE, 24" (SEE EROSION CONTROL PLANS)

DIG0X76-shu-typical-01.dgn	DESIGNED - JLV	REVISED - 7/13/17
USER NAME = vjjenachone	DRAWN - SED	REVISED -
PLOT SCALE = 20,0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 7/13/2017	DATE - 5/10/17	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS		F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
EB I-290		90/94/290	2014-002R&B	COOK	814	35
SCALE: NONE	SHEET 3 OF 11 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT	

CONTRACT NO. 60X76	
--------------------	--

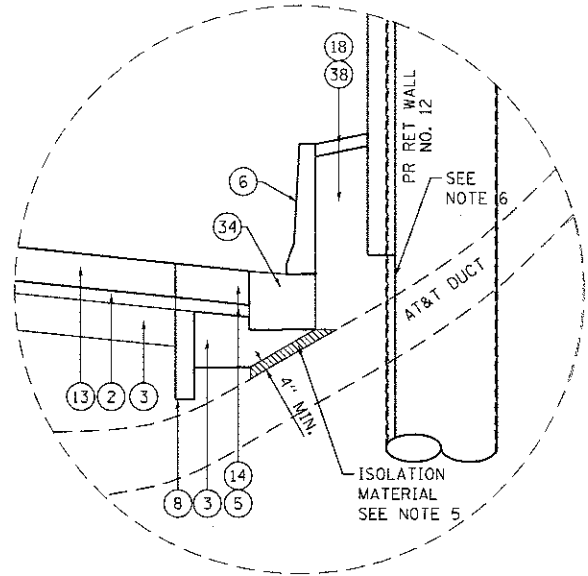
REV 7-19-17



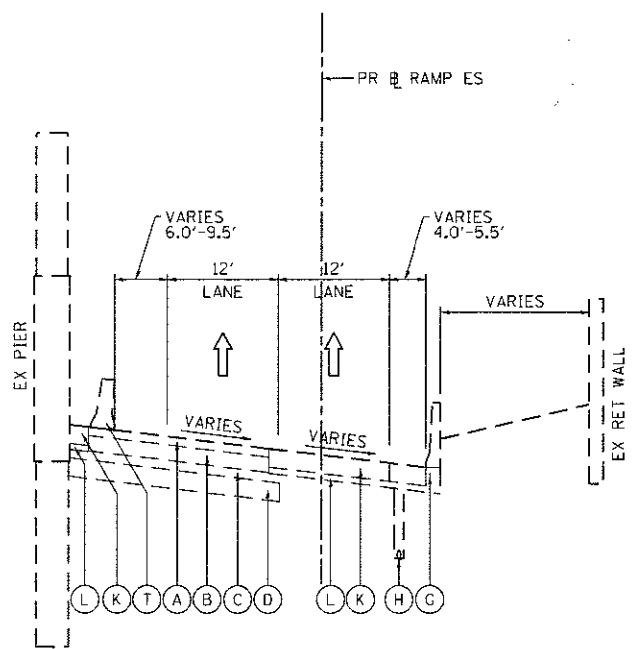




FILE PATH = p:\1617479\p\INT\encomon\line\local\BECOM\B302\_M\Documents\01\_Americas\Transportation\B30269938\_CirclePhase\_1\B30269938\_Roadway\_Sheets\B30269938\_Contract\B30269938-Sub-Typical-01.dgn



**DETAIL A**  
AT&T DUCT UNDER BARRIER WALL  
STA 7304+86.82

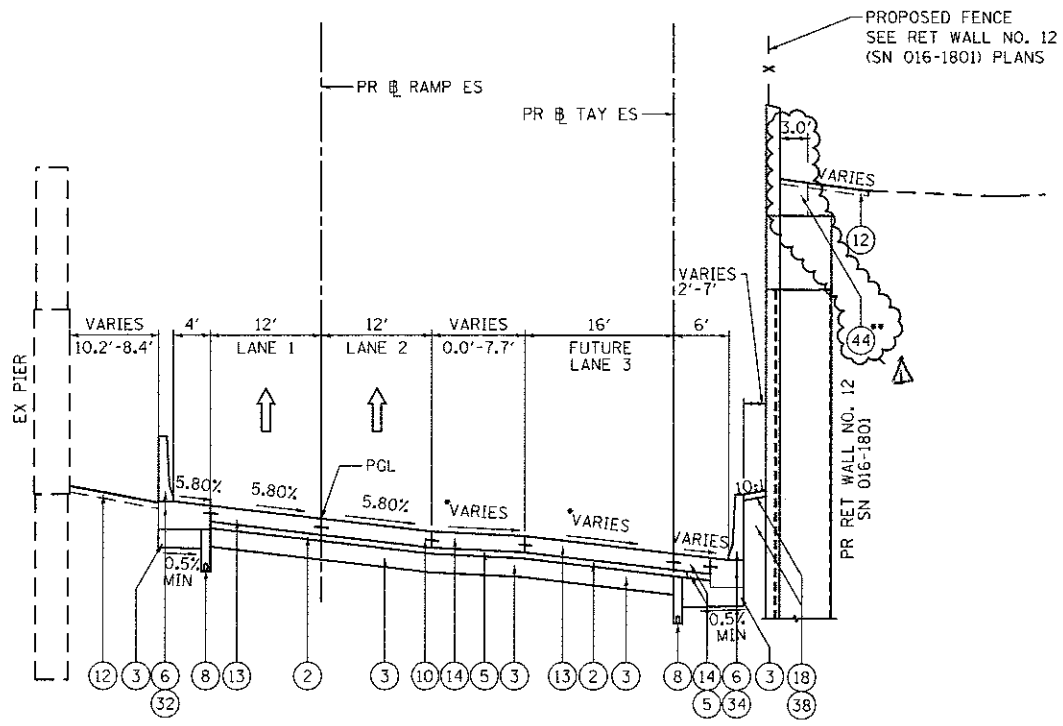


**EXISTING TYPICAL SECTION**  
**(LOOKING EAST)**

PR TAY ES  
STA 7305+24.36 TO STA 7306+34.77

**NOTES:**

1. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE IMPROVEMENT UNDER THE SHOULDER TO DRAIN TO UNDERDRAINS SHALL BE INCLUDED IN THE COST PER SQ. YD. OF AGGREGATE SUBGRADE IMPROVEMENT 12".
2. THE MAXIMUM ROLLOVER BETWEEN THE PAVEMENT AND THE SHOULDER ON THE HIGH SIDE OF THE SUPERELEVATION IS 8%.
3. FOR PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED) DETAILS, SEE JOINTING AND PCC PAVEMENT DETAIL PLAN.
4. SEE SHEETS 109 TO 111 FOR BARRIER WALL DETAILS.
5. ISOLATION MATERIAL PLACED OVER THE EXISTING AT&T DUCT UNDER THE PROPOSED BARRIER WALL SHALL BE IN ACCORDANCE WITH ARTICLE 1051.09 OF THE STANDARD SPECIFICATIONS (TO BE INCLUDED IN THE COST OF CONCRETE BARRIER BASE (SPECIAL NO. 4)).
6. SEE SHEET 446 FOR PROPOSED RETAINING WALL 12 (SN 016-1801) ELEVATION DETAILS AT THE EXISTING AT&T DUCT.



**PROPOSED TYPICAL SECTION**  
**(LOOKING EAST)**

PR TAY ES  
STA 7305+24.36 TO STA 7306+34.77

\*SEE SUPERELEVATION TRANSITION DETAILS FOR CROSS SLOPES  
\*PLANTING SOIL MIX SHALL BE PLACED DIRECTLY ON TOP OF WALL CAP TO FINISHED GRADE (TO BE PAID FOR AS PLANTING SOIL MIX FURNISH AND PLACE, 24")

**EXISTING**

- (A) HOT-MIX ASPHALT PAVEMENT, 4" TO 7"
- (B) PORTLAND CEMENT CONCRETE PAVEMENT, 7" TO 10"
- (C) GRANULAR SUBBASE, 6"
- (D) PREPARED SUBGRADE, 12"
- (E) HOT MIX ASPHALT SHOULDER, 10"
- (F) PORTLAND CEMENT CONCRETE SHOULDER, 9"
- (G) CONCRETE BARRIER
- (H) PIPE UNDERDRAIN
- (I) COMBINATION CURB AND GUTTER, TYPE M-6.24 OR B-6.24
- (J) BITUMINOUS SHOULDER
- (K) TEMPORARY PAVEMENT
- (L) SUBBASE GRANULAR MATERIAL, 4"
- (M) POROUS GRANULAR EMBANKMENT, SPECIAL, 0"-36"
- (N) FENCE
- (O) METAL RAILING
- (P) HOT MIX ASPHALT PAVEMENT, 1.5"
- (Q) AGGREGATE BASE COURSE, 10"
- (R) TOPSOIL FURNISH AND PLACE, 4"
- (S) CTA SCREEN WALL
- (T) TEMPORARY CONCRETE BARRIER
- (U) SIDEWALK

**PROPOSED**

- (1) PORTLAND CEMENT CONCRETE PAVEMENT, 11 1/4" (JOINTED)
- (2) STABILIZED SUBBASE HOT MIX ASPHALT, 4"
- (3) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (4) PORTLAND CEMENT CONCRETE SHOULDERS, 11 1/4"
- (5) SUBBASE GRANULAR MATERIAL, TYPE C, 4"
- (6) CONCRETE BARRIER WALL, SINGLE FACE, 42 INCH HEIGHT
- (7) CONCRETE BARRIER BASE
- (8) PIPE UNDERDRAIN TYPE 2 6"
- (9) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (10) #5 TIE BARS, 30" LONG AT 30" C-C (LONGITUDINAL CONSTRUCTION JOINT) (INCLUDED IN PRICE FOR BID FOR PCC PAVEMENT, PCC BASE COURSE, AND PCC SHOULDERS OF THICKNESS SPECIFIED)
- (11) CONCRETE GUTTER TYPE A
- (12) TOPSOIL FURNISH AND PLACE, 4" AND SEEDING OR SODDING. (SEE EROSION CONTROL PLANS)
- (13) PORTLAND CEMENT CONCRETE PAVEMENT, 11" (JOINTED)
- (14) PORTLAND CEMENT CONCRETE SHOULDERS, 11"
- (15) TEMPORARY PAVEMENT (SEE TYPICAL SECTION SHEET 43 FOR DETAILS)
- (16) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (17) TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)
- (18) CONCRETE MEDIAN SURFACE, 4 INCH EMBANKMENT
- (19) EMBANKMENT
- (20) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (21) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- (22) PORTLAND CEMENT CONCRETE BASE COURSE, 9"
- (23) SUBBASE GRANULAR MATERIAL, TYPE B, 6"
- (24) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- (25) HOT-MIX ASPHALT BASE COURSE, 8"
- (26) CTA FENCE
- (27) CONCRETE BARRIER WALL (SPECIAL)
- (28) CONCRETE BARRIER AND BASE, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
- (29) CONCRETE BARRIER, VARIABLE CROSS SECTION 42 INCH HEIGHT
- (30) CONCRETE BARRIER AND BASE, VARIABLE WIDTH 42 INCH HEIGHT (SPECIAL)
- (31) CONCRETE BARRIER BASE (SPECIAL NO. 1)
- (32) CONCRETE BARRIER BASE (SPECIAL NO. 2)
- (33) CONCRETE BARRIER BASE (SPECIAL NO. 3)
- (34) CONCRETE BARRIER BASE (SPECIAL NO. 4)
- (35) SHOULDER RUMBLE STRIPS, 16 INCH
- (36) PINNING TEMPORARY CONCRETE BARRIER
- (37) COMBINATION CURB AND GUTTER, TYPE B V.12 (CDOT)
- (38) SELECT GRANULAR BACKFILL, SPECIAL
- (39) CLASS SI CONCRETE
- (40) CONCRETE BARRIER WALL, VERTICAL FACE (SPECIAL)
- (41) CONCRETE BARRIER BASE (SPECIAL NO. 5)
- (42) BALLAST
- (43) SUB-BALLAST
- (44) PLANTING SOIL MIX FURNISH AND PLACE, 24" (SEE EROSION CONTROL PLANS)

D160X76-sh1-Typical-01.dgn	DESIGNED - JLV	REVISED - 7/13/17
USER NAME = vLanochione	DRAWN - SED	REVISED -
PLOT SCALE = 20,0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 7/13/2017	DATE - 5/10/17	REVISED -

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

<b>TYPICAL SECTIONS</b>			
<b>RAMP ES &amp; TAYLOR EXITS</b>			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
90/94/290	2014-002R&B	COOK	814 40
SCALE: NONE			CONTRACT NO. 60X76
SHEET 8	OF 11 SHEETS	STA.	TO STA.

ILLINOIS FED. AID PROJECT  
REV 7-19-17

**TRAFFIC CONTROL GENERAL NOTES**

1. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE 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.
3. UNLESS OTHERWISE NOTED IN THE SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER 28 DAYS PRIOR TO ANY ANTICIPATED CLOSURES.
4. TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN, ACCORDING TO HIGHWAY STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.
5. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
6. ALL CONSTRUCTION WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
7. ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL INCLUDE TWO LOW INTENSITY FLASHING LIGHTS MOUNTED ON TOP OF EACH BARRICADE.
8. 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.
9. ALL TYPE II/III BARRICADES, DRUMS, AND VERTICAL PANELS SHALL HAVE MONO-DIRECTIONAL OR BI-DIRECTIONAL STEADY BURNING LIGHTS AS PER CURRENT IDOT STANDARDS.
10. 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.
11. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
12. PRIOR TO START OF CONSTRUCTION ACTIVITIES, ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
13. COOPERATION BETWEEN CONTRACTORS WILL BE REQUIRED. THE CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL WITH OTHER ADJACENT CONTRACTS WHICH MAY BE UNDER CONSTRUCTION DURING THE DURATION OF THIS PROJECT. NO ADDITIONAL COMPENSATION IS ALLOWED. ADJACENT CONTRACTS MAY CONSIST OF, BUT NOT LIMITED TO PROJECTS NEAR:
  - o CONTRACT 60X77 I-290 MAINLINE (WB) (I-90/94 TO RACINE AVE)
  - o CONTRACT 60X78 CONGRESS PARKWAY BRIDGE (WB) (E OF DES PLAINES) AND I-290 BRIDGE OVER I-90/94 (WB)
  - o CONTRACT 60X95 MONROE STREET
  - o CONTRACT 62A74 WATER MAIN RELOCATION AND RETAINING WALL NEAR UIC
  - o CONTRACT 60X99 VAN BUREN ST
  - o CONTRACT 60X75 CONGRESS PARKWAY BRIDGE (EB) (E OF DES PLAINES) AND I-290 BRIDGE OVER I-90/94
  - o CONTRACT 62B76 RAMP NE
  - o CONTRACT 60W28 RAMP NW (FLYOVER)
  - o CONTRACT 60X93 INTERCHANGE RAMP COMPLETIONS
  - o CONTRACT 60X79 RAMP EN
  - o AND OTHERS.
14. A MINIMUM 11' LANE WIDTH SHALL BE MAINTAINED ON ALL INTERSTATE LANES OPEN TO TRAFFIC DURING CONSTRUCTION UNLESS OTHERWISE NOTED.
15. OFFSETS BETWEEN THE EDGE OF TRAVEL LANE AND THE FACE OF TEMPORARY CONCRETE BARRIER ARE ASSUMED TO BE 1 FT UNLESS DESIGNATED OTHERWISE.
16. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL BUILDING ACCESS, COORDINATE WITH BUILDING OWNERS AND LOCAL AUTHORITIES AND PROVIDE FULL ACCESS TO BUSINESSES OR PROPERTIES DURING THEIR NORMAL WORKING HOURS IN ACCORDANCE WITH ADA AND APPLICABLE CODE REQUIREMENTS, TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
17. THE CONTRACTOR SHALL MAINTAIN TRAFFIC ON ALL STREETS EXCEPT WHERE NOTED ON THE PLANS AND PROHIBIT PARKING WITHIN FIFTY (50) FEET OF THE CONSTRUCTION AREA AT ALL TIMES. NOTIFY CDOT AND OEMC AT LEAST 72 HOURS BEFORE COMMENCING CONSTRUCTION.
18. PROVIDE CONTINUOUS TEMPORARY ACCESS TO ALL SIDE STREETS, ALLEYS, DRIVEWAYS, AND PARKING LOTS UNLESS SPECIFICALLY IDENTIFIED ON THE PLANS FOR TEMPORARY CLOSURE. LOTS WITH MORE THAN ONE DRIVEWAY MUST BE STAGED TO KEEP AT LEAST ONE DRIVEWAY OPEN AT ALL TIMES.
19. MAINTAIN ACCESS TO FIRE HYDRANTS, BUILDING STANDPIPES AND OTHER EMERGENCY FACILITIES WITHIN THE CONSTRUCTION ZONE.
20. 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.
21. SIGN W21-1 AND W20-7 SHALL BE TAKEN DOWN OR COVERED WHEN THE WORKERS ARE NOT PRESENT.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS RESTRICTIONS TO THE SITE AS MAY BE REQUIRED BY THE ENGINEER. IN AREAS WHERE SILT FENCE IS NOT INSTALLED, ORANGE CONSTRUCTION FENCING MAY BE REQUIRED TO RESTRICT ACCESS TO WORK ZONES. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE NEED FOR ACCESS RESTRICTIONS AND THEIR CONFIGURATION. ORANGE CONSTRUCTION FENCING (IF NECESSARY) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).
23. A 37" DEFLECTION AREA IS REQUIRED FROM THE BACK SIDE OF THE TEMPORARY BARRIER WALL TO ANY OBSTRUCTION OR DROP OFF IN THE WORK ZONE. IF THIS 37" DEFLECTION AREA CANNOT BE MAINTAINED, THE TEMPORARY CONCRETE BARRIER WALL SHALL BE ANCHORED TO THE PAVEMENT (EXCLUDING NEW BRIDGE DECKS) IN ACCORDANCE WITH THE IDOT SAFETY ENGINEERING POLICY MEMORANDUM 4-15. THIS WORK SHALL BE PAID FOR AS PINNING TEMPORARY CONCRETE BARRIER, THE COST OF ANCHORING TO EXISTING AND PROPOSED BRIDGE DECKS ARE INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER. SEE STRUCTURAL PLANS FOR DETAILS OF TEMPORARY CONCRETE BARRIER ANCHOR DEVICES.
24. PER IDOT SAFETY ENGINEERING POLICY MEMORANDUM 4-15, DROP-OFF DEPTH > 4 IN AND < 12 IN IS PERMITTED FOR LESS THAN 0.5 MILE LENGTH OF DROP OFF EXPOSURE IN WORK ZONE OR LESS THAN 48 HOUR CLOSURE TIME. LENGTH AND DURATION OF DROPOFF IN EXCESS OF THESE LIMITS SHALL REQUIRE TEMPORARY LONGITUDINAL CONCRETE BARRIER. ADJACENT WORK SPACES THAT ARE ESSENTIALLY CONTINUOUS IN DROP-OFF EXPOSURE SHOULD BE CONSIDERED AS ONE WORK ZONE.
25. ALL UPSTREAM LEADING ENDS OF TEMPORARY CONCRETE BARRIER WALL SHALL BE FLARED AT A 12:1 TAPER RATE FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH AND 8:1 TAPER RATE FOR SPEEDS LESS THAN 45 MPH UNLESS OTHERWISE NOTED.
26. 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.
27. 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 FIRST REPLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
28. 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.
29. 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) FOR THOSE SIGNS ALONG LOCAL STREETS AND INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS) FOR THOSE SIGNS ALONG EXPRESSWAYS. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST TRAFFIC CONTROL AND PROTECTION, (SPECIAL) FOR THOSE SIGNS ALONG LOCAL STREETS AND INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS) FOR THOSE SIGNS ALONG EXPRESSWAYS.
30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING DRAINAGE OF THE ROADWAY DURING ALL STAGES OF CONSTRUCTION. A QUANTITY OF 12 INLETS, TYPE A, TYPE B GRATE AND 1200 FT OF STORM SEWERS, CLASS A, TYPE 1 12 INCHES HAS BEEN PROVIDED FOR TEMPORARY USE. REMOVAL OF THESE ITEMS SHALL BE INCLUDED IN THEIR COST.
31. 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. ADDITIONALLY, UTILITIES AND UTILITY CONTRACTORS MAY PERFORM ASBESTOS ABATEMENT ON CONTRACTOR REMOVED CONDUITS WITHIN A SECURE AREA PROVIDED WITHIN THE STAGING AREAS.
32. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC AS SOON AS THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, ITS POST SHALL HAVE A REFLECTIVE 3 INCH X 6 INCH DELINEATOR INSTALLED.
33. MANHOLES WITHIN THE PROJECT STAGING LIMITS SHALL BE WELDED DOWN PRIOR TO BEGINNING ANY WORK. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

FILE PATH = p:\1617479-PW\INT\Documents\01\_Americas\Transportation\60261938\_CirclePhase\_II\900\_CAD\006\_Roadway\Sheet\60X76\_SHT-Staging-Notes-01.dgn



D:\60X76-SHT-Staging-Notes-01.dgn	DESIGNED - MKW	REVISED - 7/13/17
USER NAME = v.ljanachone	DRAWN - BAW	REVISED -
PLOT SCALE = 2.0000 / 1 in.	CHECKED - JMG	REVISED -
PLOT DATE = 7/11/2017	DATE - 5/10/17	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

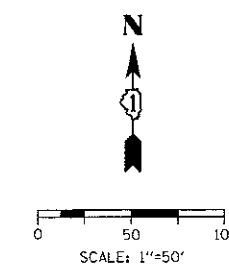
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN GENERAL NOTES			
SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	121
CONTRACT NO. 60X76				
ILLINOIS FED. AID PROJECT				

REV 7-19-17

**GEOMETRIC POINTS LOCATIONS / STRIPING INFORMATION**

POINT		STATION	OFFSET	LT/RT	BASELINE
1	PI	5140+26.02	20.90'	RT	P-IKE-EB
2	PT	5143+15.22	25.74'	RT	P-IKE-EB
3	PC	5145+16.53	25.76'	RT	P-IKE-EB
4	PI	5147+29.92	22.49'	LT	P-IKE-EB
5	PI	5149+41.70	8.62'	RT	P-CON-EB
6	PT	5148+29.06	19.77'	RT	P-IKE-EB
7	PI	5149+41.51	44.70'	RT	P-CON-EB
8	POT	5149+66.14	32.12'	RT	P-CON-EB

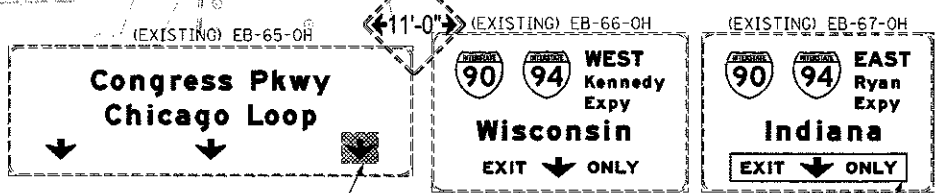
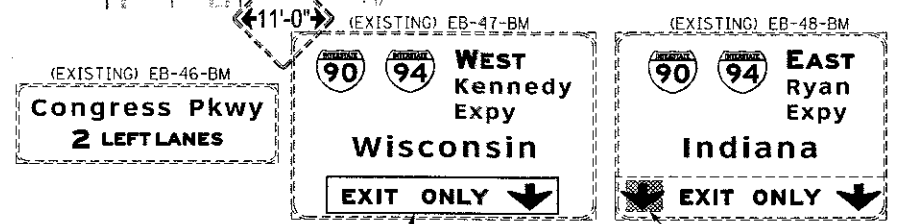
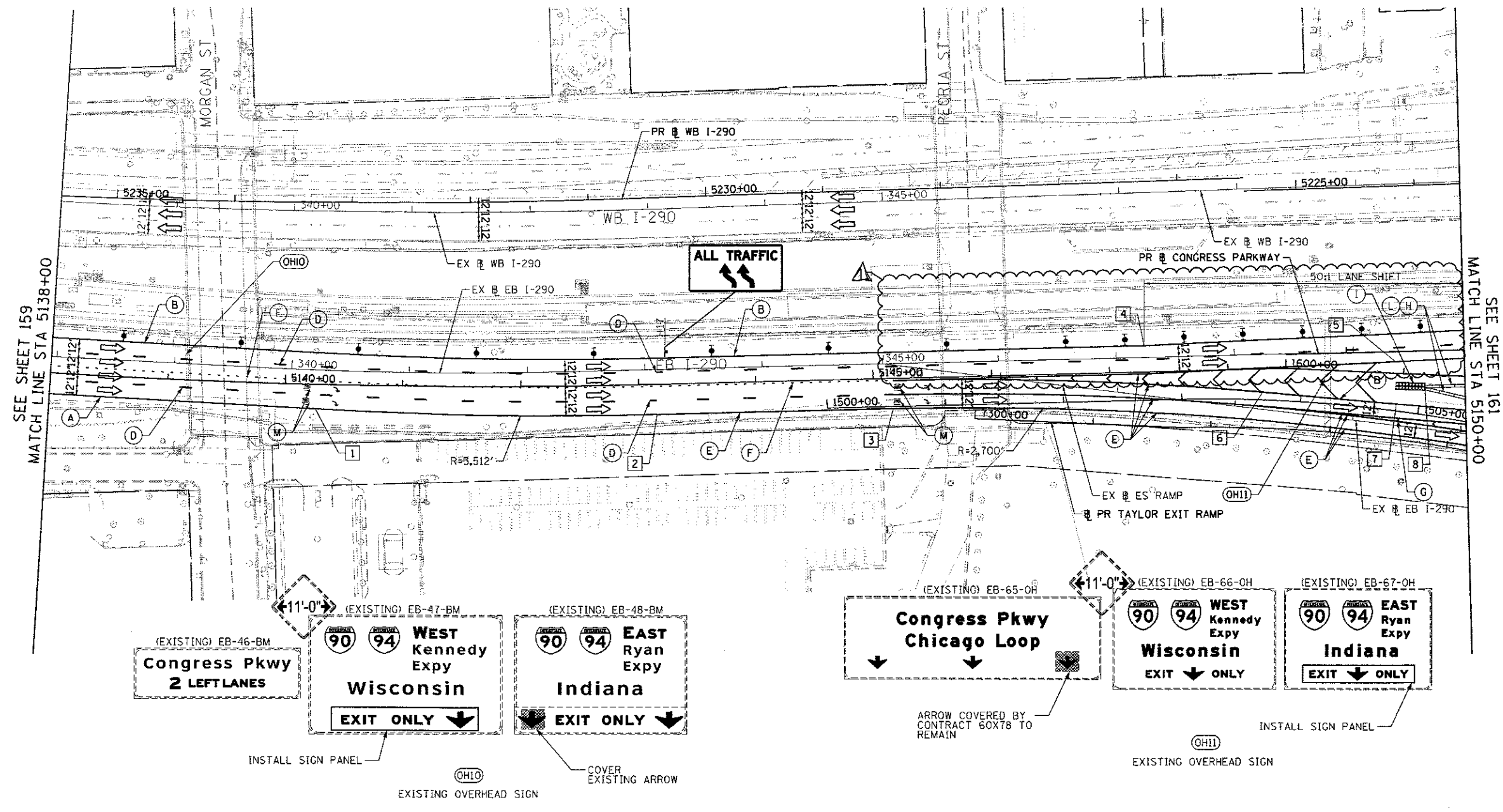


**LEGEND**

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMP
- TEMPORARY FENCE (SPECIAL)
- TEMPORARY PAVEMENT (VARIABLE DEPTH) TO BE PAID FOR AS HMA SURF CSE, MIX "D", N70, 2" HMA BIND CSE, IL 19.0, N70 (VARIABLE DEPTH)
- POINT LOCATION

**PROPOSED TEMPORARY 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 8 (3' DASH 9' SKIP, WHITE)
- (G) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (H) TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (I) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3
- (J) REL TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (K) IMPACT ATTENUATOR, RELOCATE
- (L) PINNING TEMPORARY CONCRETE BARRIER
- (M) TEMP EPOXY PVT MK LETTERS AND SYMBOLS
- (N) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 2



FILE PATH: p:\617479-P\INTL-exec\com\LineLocal\REC\M\_0502\_006\_Roadway\Sheets\60X76-Cont\Sheet\018X76-SHT-STAGING-PRESTAGE-06.dgn



D:\617479-P\INTL-exec\com\LineLocal\REC\M_0502_006_Roadway\Sheets\60X76-Cont\Sheet\018X76-SHT-STAGING-PRESTAGE-06.dgn	DESIGNED - VLJ	REVISED - 7/13/17
USER NAME = vjanechone	DRAWN - VLJ	REVISED -
PLOT SCALE = 100.0000 1/ in.	CHECKED - MKW	REVISED -
PLOT DATE = 7/11/2017	DATE - 5/10/17	REVISED -

DESIGNED - VLJ	REVISED - 7/13/17
DRAWN - VLJ	REVISED -
CHECKED - MKW	REVISED -
DATE - 5/10/17	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL  
EASTBOUND I-290 PRE-STAGE**

SCALE: 1"=50'    SHEET 7 OF 9 SHEETS    STA. 5138+00 TO STA. 5150+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	160
				CONTRACT NO. 60X76
ILLINOIS FED. AID PROJECT				

REV 7-19-17












**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 TO NECESSARY 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. STRAW BALES AND SILT FENCE SHOULD NOT BE USED AS INLET AND PIPE PROTECTION.
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.
11. MULCH, METHOD 2 AND SURFACE ROUGHENING SHALL BE USED FOR TEMPORARY STABILIZATION DURING WINTER IN ADDITION TO TEMPORARY EROSION CONTROL SEEDING WHEN GRADING WILL OCCUR WHILE THE GROUND IS SNOW COVERED WHEN TEMPORARY SEED WILL NOT GERMINATE AND PROVIDE EROSION CONTROL PROTECTION UNTIL THE FOLLOWING SPRING. 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 AND MAINTAIN INLET FILTERS AT ALL EXISTING INLETS ADJACENT TO THE EDGE OF PAVEMENT PRIOR TO THE START OF PRE-STAGE WORK. THE INLET FILTERS SHALL BE MAINTAINED AT EACH SUBSEQUENT STAGE UNTIL NO LONGER REQUIRED OR AS DIRECTED BY THE ENGINEER.
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 AND MAINTAIN INLET FILTERS AT ALL NEW INLETS AND DRAINAGE STRUCTURES. THE INLET FILTERS SHALL BE MAINTAINED AT EACH SUBSEQUENT STAGE UNTIL COMPLETION OF STAGING OR UNTIL NO LONGER REQUIRED.

18. THE CONSTRUCTION OF THE STABILIZED ENTRANCES/EXITS SHALL BE INCLUDED IN THE COST OF THE CONTRACT. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. LOCATIONS OF THE 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.
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 CONTRACT OR NO LONGER REQUIRED.
20. A QUANTITY OF 100 FEET OF EXPLORATION TRENCH, 52 INCH AND 100 FEET OF EXPLORATION TRENCH, 84 INCH HAVE BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF IDENTIFYING ANY BURIED OBSTACLE. THE ENGINEER SHALL APPROVE THE LOCATIONS OF THE EXPLORATION TRENCH, 52 INCH BEFORE ANY EXCAVATION AND THE EXPLORATION TRENCH, 84 INCH MAY BEGIN.
21. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES MAINTENANCE GUIDE: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).
22. THE CONTRACTOR SHOULD PROVIDE TO THE RESIDENT ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION.
23. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEED AT ONE TIME.
24. ALL WORK ASSOCIATED WITH INSTALLATION AND MAINTENANCE OF CONCRETE WASHOUTS IS INCIDENTAL TO THE CONTRACT.

**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)
-  MULCH, METHOD 4  
SURFACE ROUGHENING
-  LIMITS OF CONSTRUCTION
-  TEMPORARY CHAIN LINK FENCE
-  WORK ZONE
-  TEMPORARY FENCE (SPECIAL)

**PERMANENT EROSION CONTROL LEGEND**

-  EROSION CONTROL BLANKET SEEDING, CLASS 4A  
TOPSOIL FURNISH AND PLACE, 4"  
NITROGEN FERTILIZER NUTRIENT  
POTASSIUM FERTILIZER NUTRIENT
-  SODDING, SALT TOLERANT  
TOPSOIL FURNISH AND PLACE, 4"  
NITROGEN FERTILIZER NUTRIENT  
POTASSIUM FERTILIZER NUTRIENT  
SUPPLEMENTAL WATERING
-  LIMITS OF CONSTRUCTION
-  AGGREGATE SURFACE COURSE, TYPE B - 4"
-  MULCH - 3"  
COMPOST FURNISH AND PLACE, 1"  
PLANTING SOIL MIX FURNISH AND PLACE, 24"

FILE PATH: g:\617479-PWINT\ecosystem\local\ecomp\502\_001\Documents\01\_Amp\008\TransSystems\TransSystems\502\_001\Phase 1\001\_CAD\006\_Roads\01\_Sheets\0076-ht-Eros-Notes-01



D:\0076-ht-Eros-Notes-01	DESIGNED - JLV	REVISED - 7/13/17
USER NAME = vjanachione	DRAWN - BAW	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JLV	REVISED -
PLOT DATE = 7/11/2017	DATE - 5/10/17	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
GENERAL NOTES**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	231
CONTRACT NO. 60X76				
ILLINOIS FED. AID PROJECT				

REV 7-19-17

**TEMPORARY EROSION CONTROL SCHEDULE**

STAGE	SHEET	TEMPORARY CHAIN LINK FENCE	TREE TRUNK PROTECTION	TREE PRUNING (1 TO 10 INCH DIAMETER)	TREE PRUNING (OVER 10 INCH DIAMETER)	NITROGEN FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	MULCH, METHOD 4	TEMPORARY EROSION CONTROL SEEDING	PERIMETER EROSION BARRIER	INLET FILTERS	HOT-MIX ASPHALT REMOVALS OVER PATCHES, 6"	CLASS D PATCHES, TYPE IV, 14 INCH
		FOOT	EACH	EACH	EACH	POUND	POUND	ACRE	ACRE	POUND	FOOT	EACH	SQ YD	SQ YD
PRE-STAGE	5126+00 TO 5150+00	-	-	-	-	-	-	-	-	-	-	1	144	144
	5150+00 TO 5155+12	-	-	-	-	-	-	-	-	-	-	8	59	59
	1507+50 TO 1514+00	-	-	-	-	-	-	-	-	-	-	16	-	-
	1514+00 TO 7321+00	-	-	-	-	-	-	-	-	-	-	-	-	-
STAGE 1	5117+35 TO 5126+00	5	5	5	5	0.2	0.225	0.53	-	53.3	-	-	13	13
	5126+00 TO 5150+00	1,128	12	22	4	0.5	0.54	0.74	-	74.4	472	20	172	172
	1507+50 TO 1514+00	402	-	-	-	-	-	-	0.86	0.40	86.3	1,210	104	-
	1514+00 TO 7321+00	-	-	-	-	-	-	-	0.20	-	-	35	-	-
STAGE 2	5117+35 TO 5126+00	-	-	-	-	-	-	-	-	-	-	8	12	12
	5126+00 TO 5150+00	-	-	-	-	-	-	-	-	-	-	4	6	6
	1507+50 TO 1514+00	-	-	-	-	-	-	0.48	-	47.8	185	1	-	-
	1514+00 TO 7321+00	-	-	-	-	-	-	-	-	-	-	10	-	-
STAGE 3	5117+35 TO 5126+00	-	-	-	-	-	-	-	-	-	-	8	-	-
	5126+00 TO 5150+00	-	-	-	-	-	-	-	-	-	-	8	-	-
	1507+50 TO 1514+00	-	-	-	-	-	-	-	-	-	-	44	-	-
	1514+00 TO 7321+00	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1,530	17	22	9	0.8	0.8	2.87	0.40	262.6	1,867	259	406	406	
ROUNDED TOTAL	1,531	17	22	9	1	1	3.00	0.5	300	1,868	259	406	406	

**PERMANENT EROSION CONTROL SCHEDULE**

STAGE	SHEET	SUPPLEMENTAL WATERING	TOPSOIL FURNISH AND PLACE, 4"	SEEDING, CLASS 4A	NITROGEN FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	SODDING, SALT TOLERANT	AGGREGATE SURFACE COURSE, TYPE B
		UNIT	SQ YD	ACRE	POUND	POUND	SQ YD	SQ YD	CU YD
PERMANENT	5117+35 TO 5126+00	-	2,579	0.53	48	48	2,579	-	-
	5126+00 TO 5150+00	4.2	4,692	0.67	87	87	3,253	1,407	-
	1507+50 TO 1514+00	3.2	5,338	0.89	100	100	4,302	1,068	177
	1514+00 TO 7321+00	-	-	-	-	-	-	-	-
TOTAL	7.4	12,609	2.09	236	236	10,134	2,475	177	
ROUNDED TOTAL	8.0	12,610	2.25	236	236	10,134	2,476	117	

**TEMPORARY DRAINAGE STRUCTURES**

STRUCTURE	STATION	OFFSET	RIM ELEVATION (SEE NOTE 1)	NORTH INVERT	EAST INVERT	SOUTH INVERT	WEST INVERT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID EACH	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID EACH	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID EACH
STAGE 1A/1B/1C										
* %	TS-01	5127+19.06	4.77' LT	576.59		572.52	572.52	1	1	
* %	TS-02	5127+46.06	4.94' LT	576.60	EX		572.4			
* %	TS-03	5129+46.01	5.00' LT	577.97	EX					
* %	TS-04	5131+45.66	5.00' LT	579.91	EX	EX				
* %	TS-05	5138+57.54	1.00' LT	576.60		572.28				
* %	TS-06	5138+82.54	1.50' LT	576.37	EX		EX	572.17	1	1
* %	TS-07	5139+81.00	1.00' LT	575.87		571.97				
* %	TS-08	5140+25.00	1.00' LT	575.96	EX		EX	571.76	1	
* %	TS-09	5141+77.39	1.00' LT	577.43	EX		EX			
* %	TS-10	5145+31.08	16.73' RT	577.18	EX					
* %	TS-11	5147+99.72	7.78' RT	576.59				572.39	1	
* %	TS-12	5148+53.85	18.00' RT	576.45		569.85		EX		1
* %	TS-13	5148+63.91	23.82' RT	576.29			571.80	572.09		
* %	TS-14	5149+70.17	39.04' RT	575.48	EX					
* %	TS-15	1508+58.80	4.52' LT	573.47	EX		EX		1	
STAGE 2										
%	TS-16	5122+45.47	12.00' LT	578.80	EX					1
%	TS-17	5124+90.10	11.00' LT	577.43	EX					1
%	TS-18	5126+33.61	11.00' LT	576.84		572.94				1
TOTAL								3	11	1

\* REMOVAL OF THE ITEM IN FUTURE STAGE IS INCLUDED IN THE COST OF THE PROPOSED DRAINAGE ITEM  
 % TYPE 1 FRAME, OPEN LID SHALL BE REPLACED WITH TYPE 1 FRAME, CLOSED LID IN FUTURE STAGE. INCLUDED IN THE COST OF THE PROPOSED DRAINAGE ITEM

NOTE:

1. ANY FUTURE ADJUSTMENT OF TEMPORARY DRAINAGE STRUCTURES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE DRAINAGE STRUCTURE.

**TEMPORARY STORM SEWERS**

PIPE NUMBER	STRUCTURE	SLOPE (%)	STORM SEWERS, CLASS A, TYPE 1, 12"		TBF		
			FROM	TO		FOOT	FOOT
STAGE 1A/1B/1C							
* #	TP-01	TS-01 E	TS-02 W	0.5%	24	11.9	
* #	TP-05	TS-05 E	TS-06 W	0.5%	22	11.3	
* #	TP-07	TS-07 E	TS-08 W	0.5%	41	19.7	
* #	TP-11	TS-11 E	TS-13 W	0.5%	61	30.9	
* #	TP-13	TS-13 S	S3-33 N	0.5%		20	10.6
STAGE 2							
* #	TP-18	TS-18 E	TS-01 W	0.5%	83	39.0	
TOTAL					231	123.4	

\* REMOVAL OF THE ITEM IN FUTURE STAGE IS INCLUDED IN THE COST OF THE PROPOSED DRAINAGE ITEM  
 # STORM SEWER SHALL BE ABANDONED AND FILLED WITH CONTROLLED LOW STRENGTH MATERIAL. INCLUDED IN THE COST OF THE STORM SEWER

FILE PATH: p:\1\517473-FWINT-awocment\1502269938\_Circle\Phase 1\000\_CAD\000\_Roadwork\Sheet\002\002.dgn



DESIGNED -  
 USER NAME = vjanachione  
 PLOT SCALE = 100.0000' / in.  
 PLOT DATE = 7/12/2017

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE = 5/10/17

REVISED - 7/13/17  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENTATION CONTROL PLAN  
 SCHEDULES

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

F.A.I. R.T.E. 90/94/290  
 SECTION 2014-002R&B  
 COUNTY COOK  
 TOTAL SHEETS 814  
 SHEET NO. 232  
 CONTRACT NO. 60X76  
 ILLINOIS FED. AID PROJECT

REV 7-19-17



**LANDSCAPE SCHEDULE**

BOTANICAL NAME	COMMON NAME	TYPE	SIZE	ROOT	REMARKS	QUANTITY	UNIT
SHADE TREES							
ACER X FREEMANII 'MARMO'	MARMO FREEMAN MAPLE		3" CAL	B&B	SPECIMAN QUANTITY	1	EACH
SHRUBS							
CORNUS SERICEA 'ISANTI'	ISANTI REDTWIG DOGWOOD		36" HT	B&B	SPACED AS SHOWN	16	EACH
VINES							
VINE-PARTHENOCISSUS QUINQUEFOLIA	VIRGINIA CREEPER		1 GAL	POT	SPACED 24" OC, STAGGERED	409	EACH
VINE-PARTHENOCISSUS QUINQUEFOLIA ENGEL MANNII	ENGELMANNII VIRGINIA CREEPER		1 GAL	POT	SPACED 24" OC, STAGGERED	507	EACH
VINE-CAMPSIS RADICANS	TRUMPET VINE		1 GAL	POT	SPACED 20' OC	28	EACH
PERENNIALS							
CALAMINTHA NEPETA	LESSER CATMINT	ORNAMENTAL	1 GAL	POT	SPACED 18" OC	2	UNIT
CAREX MUSKINGUMENSIS 'OEHME'	OEHME PALM SEDGE	SEDE MEADOW	1 GAL	POT	SPACED 24" OC	1	UNIT

**PLANTING SOIL MIX SCHEDULE**

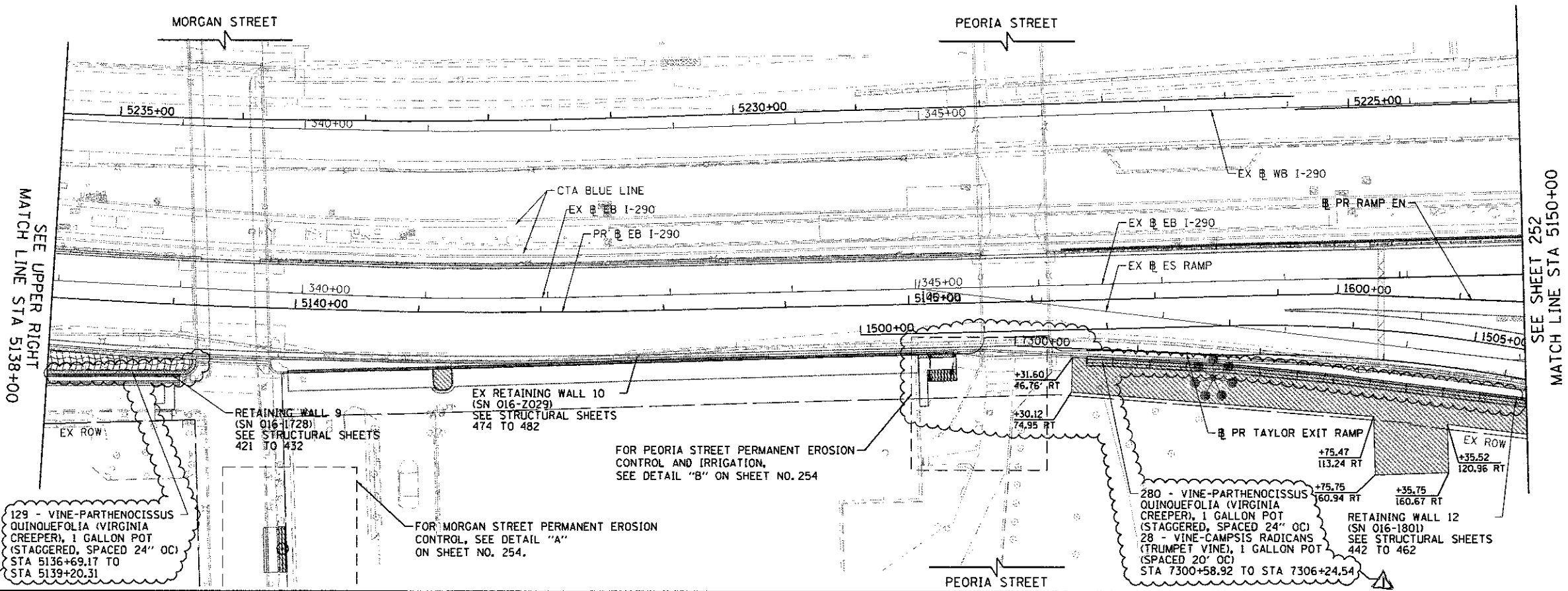
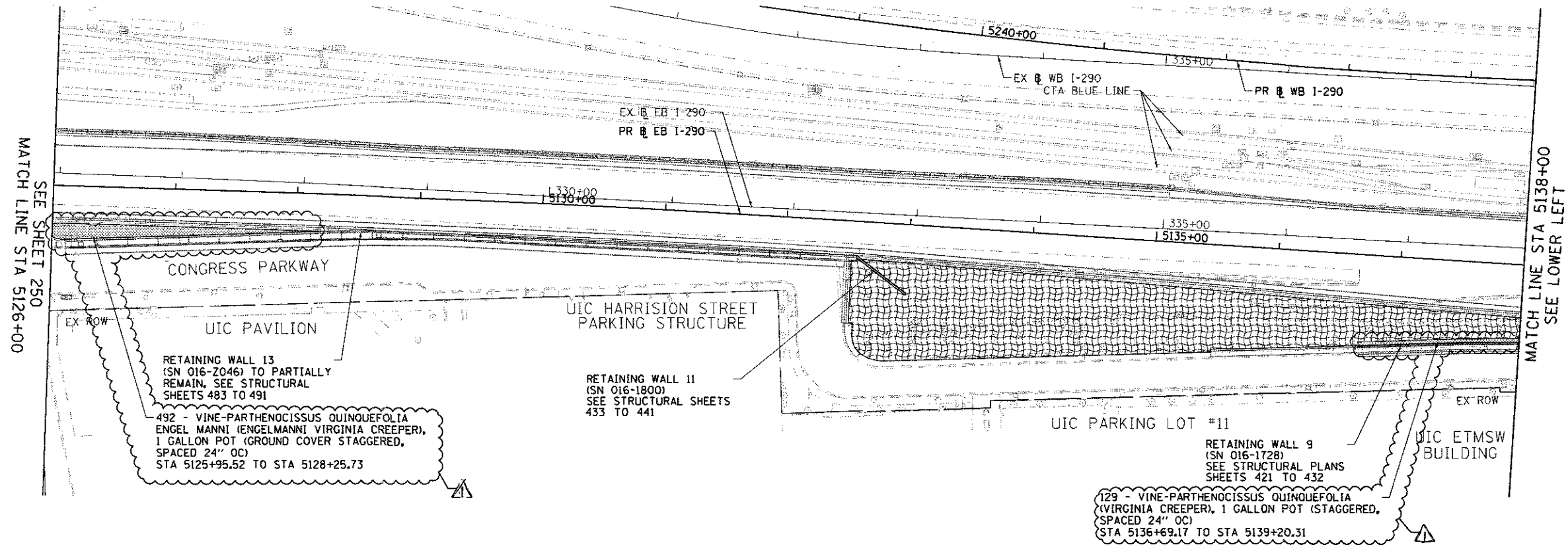
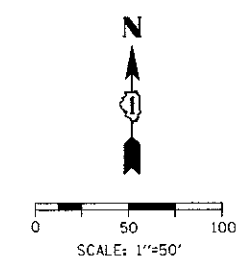
TYPE	PLANTING SOIL MIX FURNISH AND PLACE 18"	PLANTING SOIL MIX FURNISH AND PLACE 24"	PLANTING SOIL MIX FURNISH AND PLACE 30"	COMPOST FURNISH AND PLACE 1"	MULCH
	SO YD	SO YD	SO YD	SO YD	SO YD
TREES			20	20	20
SHRUBS		57		57	57
VINES		454		454	454
PERENNIALS	29			29	29
TOTAL	29	511	20	560	560

FILE PATH: c:\p1\617476\p1\nt\_erosion\eroc\eroc.dwg

	D:\617476\p1\nt_erosion\eroc\eroc.dwg USER NAME = v1janechone PLOT SCALE = 100.0000' / 1"	DESIGNED - DRAWN - CHECKED - DATE - 5/10/17	REVISED -  7/13/17 REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENTATION CONTROL PLAN SCHEDULES	F.A.I. RTE. 90/94/290	SECTION 2014-002R&B	COUNTY COOK	TOTAL SHEETS 814	SHEET NO. 233A	CONTRACT NO. 60X76
	SCALE: NONE		SHEET 2A OF 2 SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT				

*A Sheet Added 7-19-17*





FILE PATH: \\p1\17479\PMINT\encom\m1\loc\el\acc\01\02\NA\Documents\81\enr\enr\Transp\Station\60269638\_Circle\Phase 1\1000\_CAD\006\_Road\Sheet\1805-1.dgn



0160X76-SHT-ER05-14.dgn  
 USER NAME = v1\_jenachone  
 PLOT SCALE = 100.0000 1" = 100'  
 PLOT DATE = 7/11/2017

DESIGNED - MKW  
 DRAWN - BAW  
 CHECKED - JMG  
 DATE - 5/10/17

REVISED - 7/13/17  
 REVISED -  
 REVISED -  
 REVISED -

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

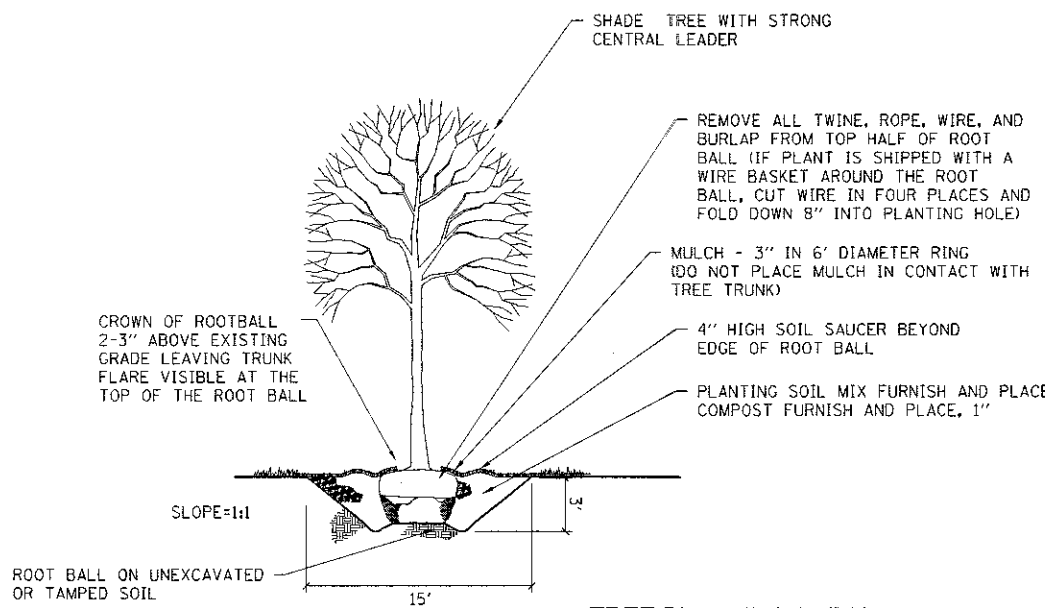
**EASTBOUND I-290 MAINLINE**  
**PERMANENT EROSION CONTROL**

SCALE: 1"=50' SHEET 18 OF 21 SHEETS STA. 5126+00 TO STA. 5150+00

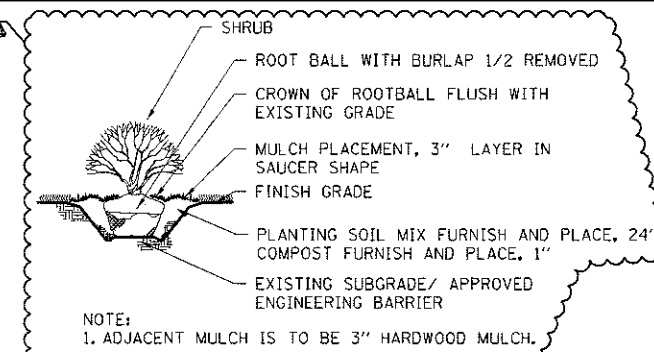
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	251
CONTRACT NO. 60X76			ILLINOIS FED. AID PROJECT	

REV 7-19-17

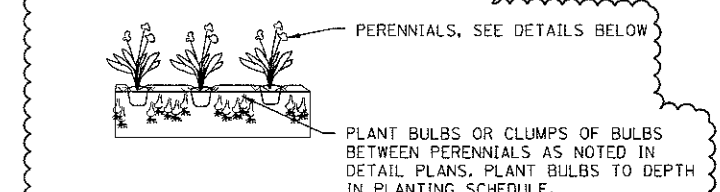




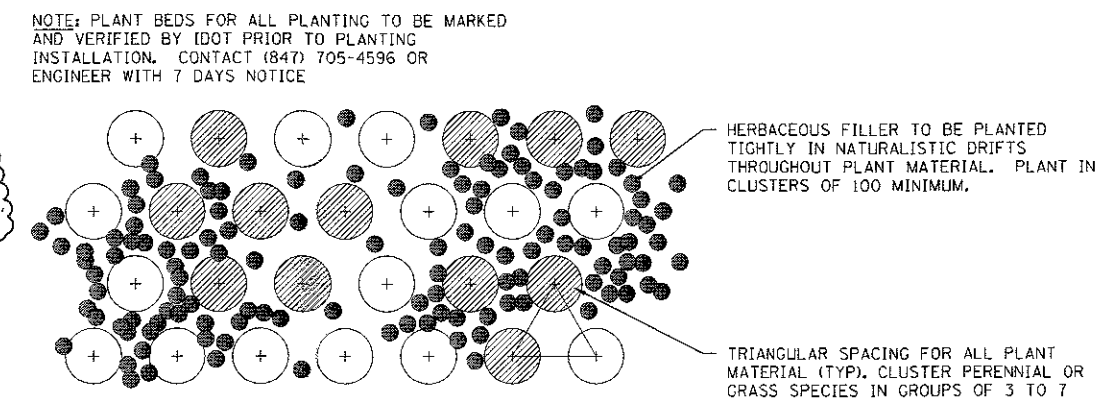
**TREE PLANTING DETAIL**  
NOT TO SCALE



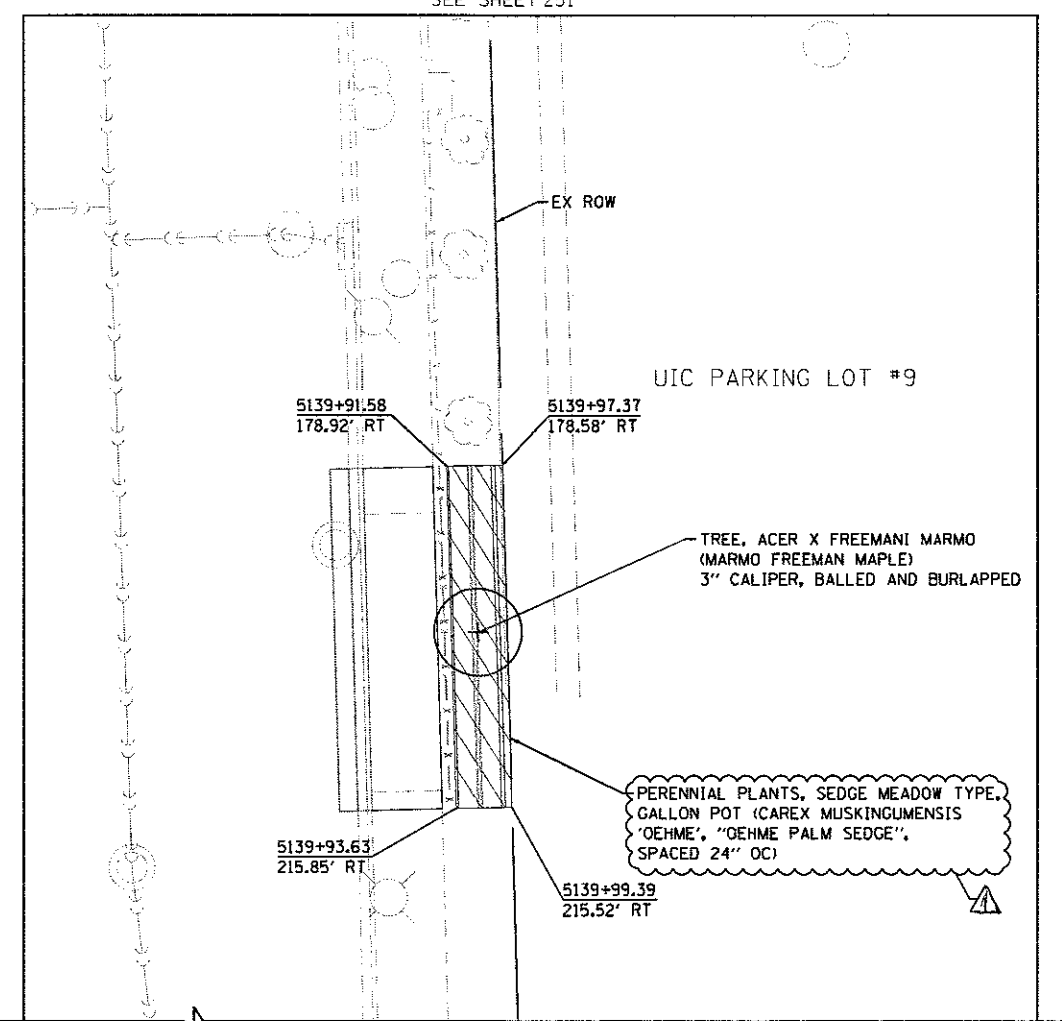
**SHRUB PLANTING DETAIL**  
NOT TO SCALE



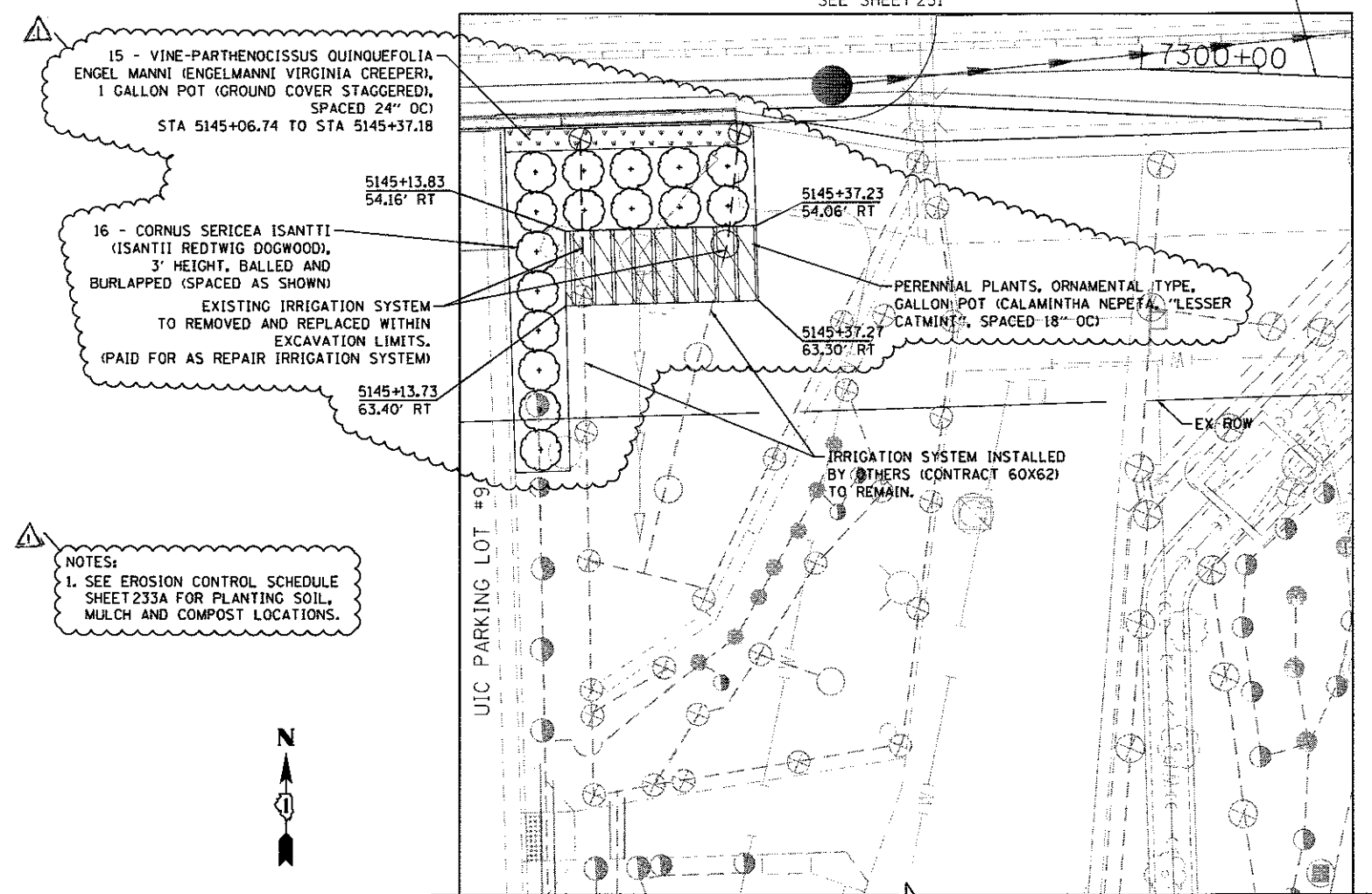
**BULB INSTALLATION DETAIL**  
NOT TO SCALE



**INTERPLANTING DETAIL - SINGLE BULB SPECIES**  
NOT TO SCALE

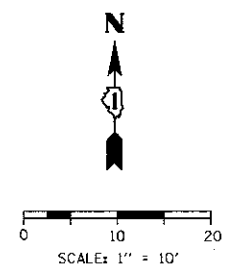


**DETAIL A**



**DETAIL B**

NOTES:  
1. SEE EROSION CONTROL SCHEDULE SHEET 233A FOR PLANTING SOIL, MULCH AND COMPOST LOCATIONS.



FILE PATH = p:\1\617479-F\PRINT\arcadoc\mtr\local\AECOM\_0502\_mtr\Documents\01\_Auar\029\Transportation\60X62\60X62\_Sheet\11\000\_CAD\008\_Roadway\_Sheets\60X62\_SHT-ER05-17.dgn



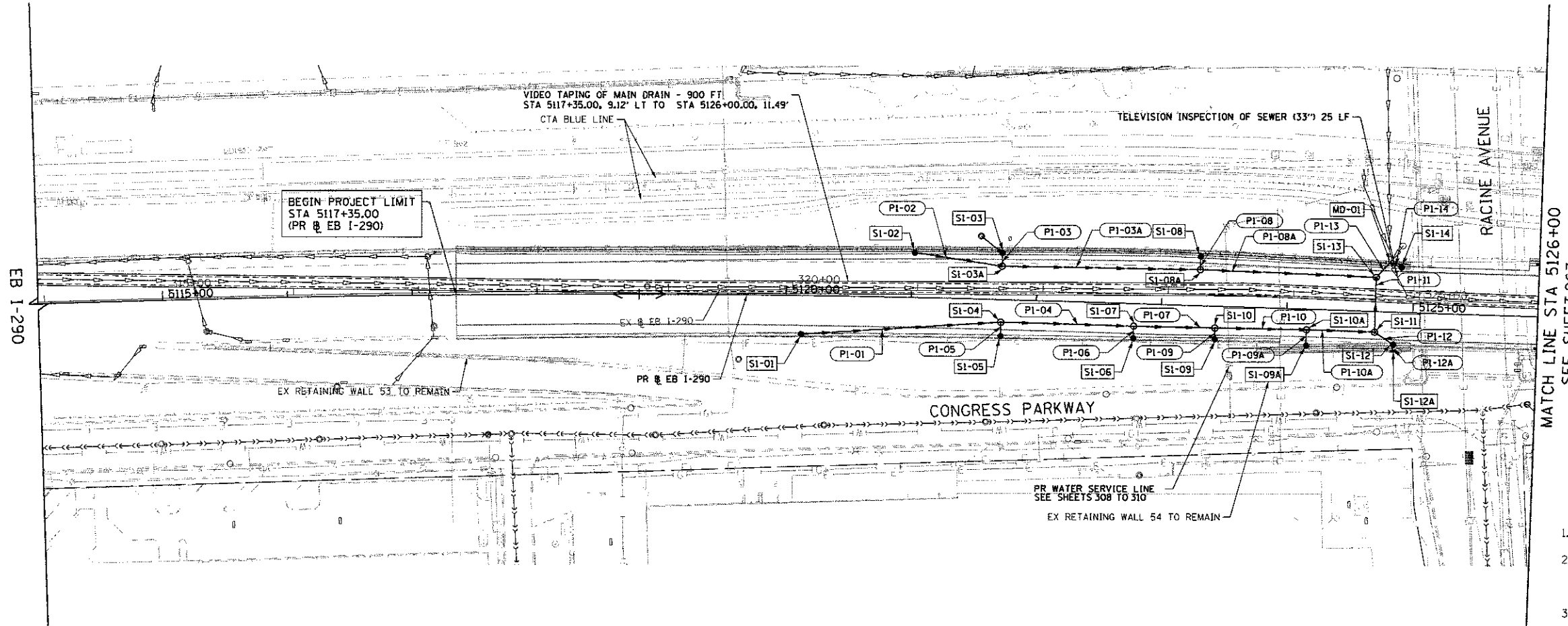
D:\60X76-SHT-ER05-17.dgn	DESIGNED - JLV	REVISED - 7/13/17
USER NAME = vj.janshione	DRAWN - MKW	REVISED -
PLOT SCALE = 20.0000' / 1" =	CHECKED - JLV	REVISED -
PLOT DATE = 7/11/2017	DATE - 5/10/17	REVISED -

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

<b>EASTBOUND I-290 MAINLINE</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PERMANENT EROSION CONTROL		90/94/290	2014-002R&B	COOK	814	254
SCALE: 1"=10'		SHEET 21 OF 21 SHEETS		STA. TO STA.		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	254
CONTRACT NO. 60X76				
ILLINOIS FED. AID PROJECT				

REV 7-19-17



MATCH LINE STA 5126+00  
SEE SHEET 263

**NOTES:**

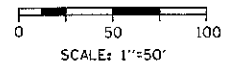
- FOR CTA DRAINAGE. SEE SHEETS 275 TO 278.
- EXISTING STORM SEWER TO BE ABANDONED AND FILLED IS NOT SHOWN FOR CLARITY. SEE EXISTING DRAINAGE PLAN, SHEETS 256 TO 261 FOR DETAILS.
- PROPOSED STRUCTURE AND PIPE NUMBERS NOT INCLUDED IN SCHEDULES ARE NOT USED.

**STRUCTURE SCHEDULE**

STRUCTURE NUMBER	STATION	OFFSET (FT)	OFFSET LOCATION (EDGE OF SHOULDER, CENTER OF STRUCTURE, FACE OF BARRIER)	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
							NORTH	EAST	SOUTH	WEST
SI-01	5120+12.00	32.03' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	579.14		574.64		
SI-02	5121+02.00	36.96' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	578.53		574.13		
SI-03	5121+72.00	38.37' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	578.21	571.66		571.16	
SI-03A	5121+72.00	26.87' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	578.56	571.13	570.93		573.79
SI-04	5121+72.00	18.00' RT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	578.74		573.59	573.84	573.86
SI-05	5121+72.00	30.22' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	578.37	573.87			
SI-06	5122+78.00	28.56' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	577.87	573.37			
SI-07	5122+78.00	18.00' RT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	578.17		572.88	573.35	573.08
SI-08	5123+30.00	40.47' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	577.32		572.82		
SI-08A	5123+30.00	28.97' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	577.57	572.79	568.56		570.16
SI-09	5123+48.00	27.21' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	577.56	573.06			
SI-09A	5124+16.00	30.17' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	577.33	572.53			
SI-10	5123+48.00	17.41' RT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	577.83		569.34	573.03	572.55
SI-10A	5124+16.00	16.50' RT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	577.45		568.95	572.50	569.15
SI-11	5124+70.00	16.50' RT	COS	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	577.16	568.30	572.02		568.80
SI-12	5124+85.00	26.88' RT	FOB	CB, TYPE A, 5'-DIAMETER	TYPE 20 FRAME AND GRATE	576.78		572.28		572.08
SI-12A	5124+85.00	30.97' RT	COS	INLETS, TYPE A	TYPE 10 FRAME AND GRATE	579.45	572.30			
SI-13	5124+70.00	28.50' LT	FOB	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	576.34	567.66		568.21	568.16
SI-14	5124+90.00	37.23' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	576.54				572.04
MD-01	5124+80.52	39.62' LT	COS	EXISTING	EXISTING	576.50	EX	572.00	567.63	559.6 (EX)

**PIPE SCHEDULE**

PIPE NUMBER	STRUCTURE				DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
	FROM	DIR	TO	DIR							
PI-01	SI-01	E	SI-04	W	STORM SEWERS	A	2	12	156	0.50%	11.1
PI-02	SI-02	E	SI-03A	W	STORM SEWERS	A	2	12	68	0.50%	2.8
PI-03	SI-03	S	SI-03A	N	STORM SEWERS	A	2	18	7	0.50%	2.0
PI-03A	SI-03A	E	SI-08A	W	STORM SEWERS	A	2	18	155	0.50%	49.7
PI-04	SI-04	E	SI-07	W	STORM SEWERS	A	2	15	103	0.50%	5.7
PI-05	SI-05	N	SI-04	S	STORM SEWERS	A	2	12	6	0.50%	0.3
PI-06	SI-06	N	SI-07	S	STORM SEWERS	A	2	12	5	0.50%	0.3
PI-07	SI-07	E	SI-10	W	STORM SEWERS	A	2	15	66	0.50%	4.9
PI-08	SI-08	E	SI-08A	W	STORM SEWERS	A	2	12	7	0.50%	0.4
PI-08A	SI-08A	E	SI-13	W	STORM SEWERS	A	2	24	136	0.30%	62.8
PI-09	SI-09	N	SI-10	S	STORM SEWERS	A	2	12	3	1.00%	0.2
PI-09A	SI-09A	N	SI-10A	S	STORM SEWERS	A	2	12	7	0.50%	0.4
PI-10	SI-10	E	SI-10A	W	STORM SEWERS	A	2	18	64	0.30%	27.2
PI-10A	SI-10A	E	SI-11	W	STORM SEWERS	A	2	18	49	0.30%	21.1
PI-11	SI-11	N	SI-13	S	STORM SEWERS	A	2	24	43	0.21%	18.9
PI-12	SI-12	N	SI-12	S	STORM SEWERS	A	2	12	12	0.50%	0.9
PI-12A	SI-12A	N	SI-12	S	STORM SEWERS	A	2	12	2	1.00%	0.4
PI-13	SI-13	S	MD-01	N	STORM SEWERS	A	2	30	13	0.20%	5.5
PI-14	SI-14	W	MD-01	E	STORM SEWERS	A	2	12	9	0.50%	0.3



FILE PATH = p:\1\617479\FIN\INT\escomon\Line\loc\BACOM\_05802\_MXD\Documents\01\_Americas\Transportation\606259398\_CirclePhase\_11\0803\_CAD\086\_Roadway\_Sheets\0160X76\_SHT\_DRAIN-01.dgn



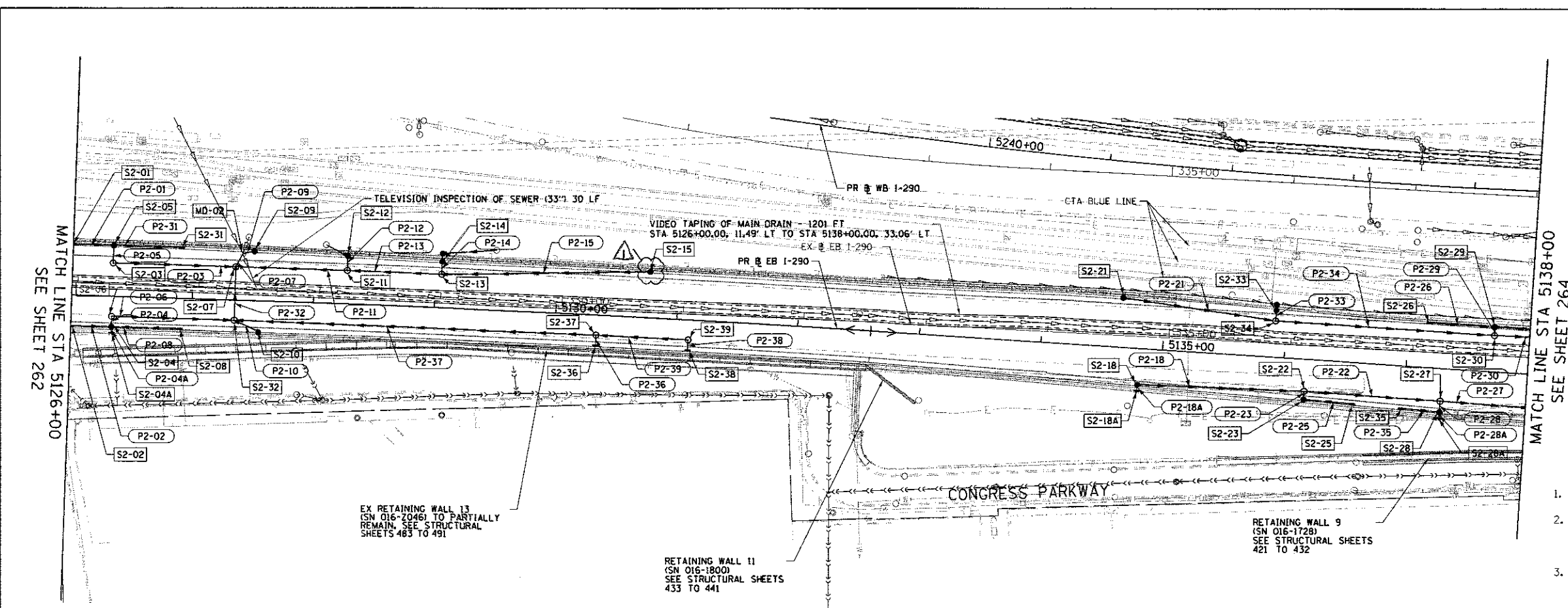
D160X76-SHT-DRAIN-01.dgn	DESIGNED - JLV	REVISED - 7/6/2017
USER NAME = v\jvanachione	DRAWN - MRC	REVISED -
PLOT SCALE = 100.0000' / 1in	CHECKED - MKW	REVISED -
PLOT DATE = 7/11/2017	DATE = 5/10/17	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PLAN  
EASTBOUND I-290**  
SCALE: 1"=50' SHEET 1 OF 13 SHEETS STA. 5114+00 TO STA. 5126+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	262
CONTRACT NO. 60X76				
ILLINOIS FEDERAL AID PROJECT				

REV 7-19-17



- NOTES:**
1. FOR CTA DRAINAGE, SEE SHEETS 275 TO 278.
  2. EXISTING STORM SEWER TO BE ABANDONED AND FILLED IS NOT SHOWN FOR CLARITY. SEE EXISTING DRAINAGE PLAN, SHEETS 256 TO 261 FOR DETAILS.
  3. PROPOSED STRUCTURE AND PIPE NUMBERS NOT INCLUDED IN SCHEDULES ARE NOT USED.

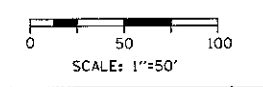
**STRUCTURE SCHEDULE**

STRUCTURE NUMBER	STATION	OFFSET (FT)	OFFSET LOCATION (EDGE OF SHOULDER, CENTER OF STRUCTURE, FACE OF BARRIER)	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
							NORTH	EAST	SOUTH	WEST
S2-01	5126+00.00	43.00' LT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	575.81		571.31		
S2-02	5126+00.00	26.50' RT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	576.25		571.75		
S2-03	5126+33.61	27.50' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	576.28	570.80	569.85		
S2-04	5126+33.61	26.00' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	576.23	571.10	571.56	571.73	571.60
S2-04A	5126+33.58	30.08' RT	COS	INLETS, TYPE A	TYPE 10 FRAME AND GRATE	578.39		571.75		
S2-05	5126+33.61	43.00' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	575.77		571.10	570.85	571.16
S2-06	5126+33.61	16.50' RT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	576.50		570.88	571.08	
S2-07	5127+35.00	27.50' LT	COS	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	576.61	564.25	565.63	568.57	569.37
S2-08	5126+90.00	26.00' RT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	576.33				571.83
S2-09	5127+50.00	41.84' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	576.25				571.55
S2-10	5127+55.00	26.00' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	576.71	572.21			
S2-11	5128+27.00	27.50' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	577.45	568.09	566.14		565.89
S2-12	5128+27.00	40.30' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	577.04	568.33		568.13	
S2-13	5129+05.00	27.50' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	578.23	566.76	573.42		566.51
S2-14	5129+05.00	39.00' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	577.88	566.99		566.79	
S2-15	5130+76.00	39.00' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	579.61				575.11
S2-18	5134+81.00	30.84' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	579.50		574.80	575.00	
S2-18A	5134+81.00	34.92' RT	COS	INLETS, TYPE A	TYPE 10 FRAME AND GRATE	581.67	575.02			
S2-21	5134+65.00	42.00' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	579.39		574.69		
S2-22	5136+18.00	26.54' RT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	578.38		572.56		573.47
S2-23	5136+18.00	34.19' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	578.21	573.09	573.29		
S2-25	5136+58.00	35.17' RT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	577.97				573.47
S2-26	5137+17.00	38.00' LT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	577.18		572.44		
S2-27	5137+29.81	26.93' RT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	577.80		568.54	573.00	572.02
S2-28	5137+29.81	36.93' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	577.80	573.02		573.30	573.22
S2-28A	5137+29.81	41.01' RT	COS	INLETS, TYPE A	TYPE 10 FRAME AND GRATE	579.97	573.32			
S2-29	5137+71.00	38.00' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	576.68		571.60	568.58	572.18
S2-30	5137+71.00	30.00' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	575.87	568.54	568.29		570.05
S2-31	5126+90.00	43.00' LT	COS	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	575.81				571.37
S2-32	5127+35.00	16.50' RT	COS	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	576.83	568.65	569.20	572.12	570.40
S2-33	5135+91.00	39.79' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	578.30	572.28		572.08	
S2-34	5135+91.00	30.00' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	578.57	572.06		571.81	574.07
S2-35	5136+98.00	36.15' RT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	577.45		573.36		
S2-36	5130+34.00	26.00' RT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	579.49		574.99		
S2-37	5130+34.00	16.50' RT	FOB	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	579.76		575.09	574.96	574.36
S2-38	5131+10.00	26.00' RT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	580.25		575.75		
S2-39	5131+10.00	16.50' RT	FOB	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	580.52			575.72	575.47
MD-02	5127+40.48	38.64' LT	COS	EXISTING	EXISTING	576.31	569.19(EX)	565.04(EX)	571.51	564.24   560.14(EX)

\* ROTATE STRUCTURE TOWARDS ROADWAY BASELINE

**PIPE SCHEDULE**

PIPE NUMBER	FROM	DIR	TO	DIR	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
P2-01	S2-01	E	S2-05	W	STORM SEWERS	A	2	12	31	0.50%	2.2
P2-02	S2-02	E	S2-04	W	STORM SEWERS	A	2	12	31	0.50%	1.1
P2-03	S2-03	E	S2-07	W	STORM SEWERS	A	2	15	97	0.50%	36.5
P2-04	S2-04	N	S2-06	S	STORM SEWERS	A	2	15	4	0.50%	0.3
P2-04A	S2-04A	N	S2-04	S	STORM SEWERS	A	2	12	2	1.00%	0.3
P2-05	S2-05	S	S2-03	N	STORM SEWERS	A	2	15	11	0.50%	0.8
P2-06	S2-06	E	S2-32	W	STORM SEWERS	A	2	15	97	0.50%	32.4
P2-07	S2-07	N	MD-02	S	STORM SEWERS	A	2	30	6	0.17%	1.8
P2-08	S2-08	W	S2-04	E	STORM SEWERS	A	2	12	54	0.50%	1.9
P2-09	S2-09	W	MD-02	E	STORM SEWERS	A	2	12	7	0.50%	0.4
P2-10	S2-10	N	S2-32	S	STORM SEWERS	A	2	12	19	0.50%	0.8
P2-11	S2-11	W	S2-07	E	STORM SEWERS	A	2	18	88	0.30%	99.9
P2-12	S2-12	S	S2-11	N	STORM SEWERS	A	2	12	8	0.50%	6.3
P2-13	S2-13	W	S2-11	E	STORM SEWERS	A	2	15	74	0.50%	87.2
P2-14	S2-14	S	S2-13	N	STORM SEWERS	A	2	15	7	0.50%	8.0
P2-15	S2-15	W	S2-13	E	STORM SEWERS	A	2	12	169	1.00%	7.2
P2-18	S2-18	E	S2-22	W	STORM SEWERS	A	2	12	133	1.00%	7.8
P2-18A	S2-18A	N	S2-18	S	STORM SEWERS	A	2	12	2	1.00%	0.3
P2-21	S2-21	E	S2-34	W	STORM SEWERS	A	2	12	124	0.50%	4.6
P2-22	S2-22	E	S2-27	W	STORM SEWERS	A	2	18	108	0.50%	10.4
P2-23	S2-23	N	S2-22	S	STORM SEWERS	A	2	12	3	1.00%	0.4
P2-25	S2-25	W	S2-23	E	STORM SEWERS	A	2	12	37	0.50%	1.9
P2-26	S2-26	E	S2-29	W	STORM SEWERS	A	2	12	51	0.50%	2.1
P2-27	S2-27	E	S3-04	W	STORM SEWERS	A	2	24	172	0.50%	117.1
P2-28	S2-28	N	S2-27	S	STORM SEWERS	A	2	12	5	0.50%	0.3
P2-28A	S2-28A	N	S2-28	S	STORM SEWERS	A	2	12	2	1.00%	0.1
P2-29	S2-29	S	S2-30	N	STORM SEWERS	A	2	15	4	1.00%	2.5
P2-30	S2-30	E	MD-03	W	STORM SEWERS	A	2	18	114	1.00%	24.8
P2-31	S2-31	E	S2-05	W	STORM SEWERS	A	2	12	54	0.50%	33.0
P2-32	S2-32	N	S2-07	S	STORM SEWERS	A	2	24	40	0.20%	12.1
P2-33	S2-33	S	S2-34	N	STORM SEWERS	A	2	12	5	0.50%	1.7
P2-34	S2-34	E	S2-30	W	STORM SEWERS	A	2	15	176	1.00%	51.6
P2-35	S2-35	E	S2-28	W	STORM SEWERS	A	2	12	29	0.50%	0.9
P2-36	S2-36	N	S2-37	S	STORM SEWERS	A	2	12	7	0.50%	3.8
P2-37	S2-37	W	S2-32	E	STORM SEWERS	A	2	15	295	1.75%	109.7
P2-38	S2-38	N	S2-39	S	STORM SEWERS	A	2	12	7	0.50%	2.4
P2-39	S2-39	W	S2-37	E	STORM SEWERS	A	2	15	72	0.53%	24.1



FILE PATH: p:\1617479-PAINT\arcocomp\lucal\FECON\_0582\_MV\Documents\11\_1908\_CAD\048\_Roadway\Sheet\01\012676-SHT-DRAIN-02.dgn



0160x76-SHT-DRAIN-02.dgn  
 USER NAME = vljanachona  
 PLOT SCALE = 100.0000 / in.  
 PLOT DATE = 7/11/2017

DESIGNED - JLV  
 DRAWN - MRC  
 CHECKED - MKW  
 DATE - 5/10/17

REVISED -  $\Delta$  7/6/2017  
 REVISED -  
 REVISED -  
 REVISED -

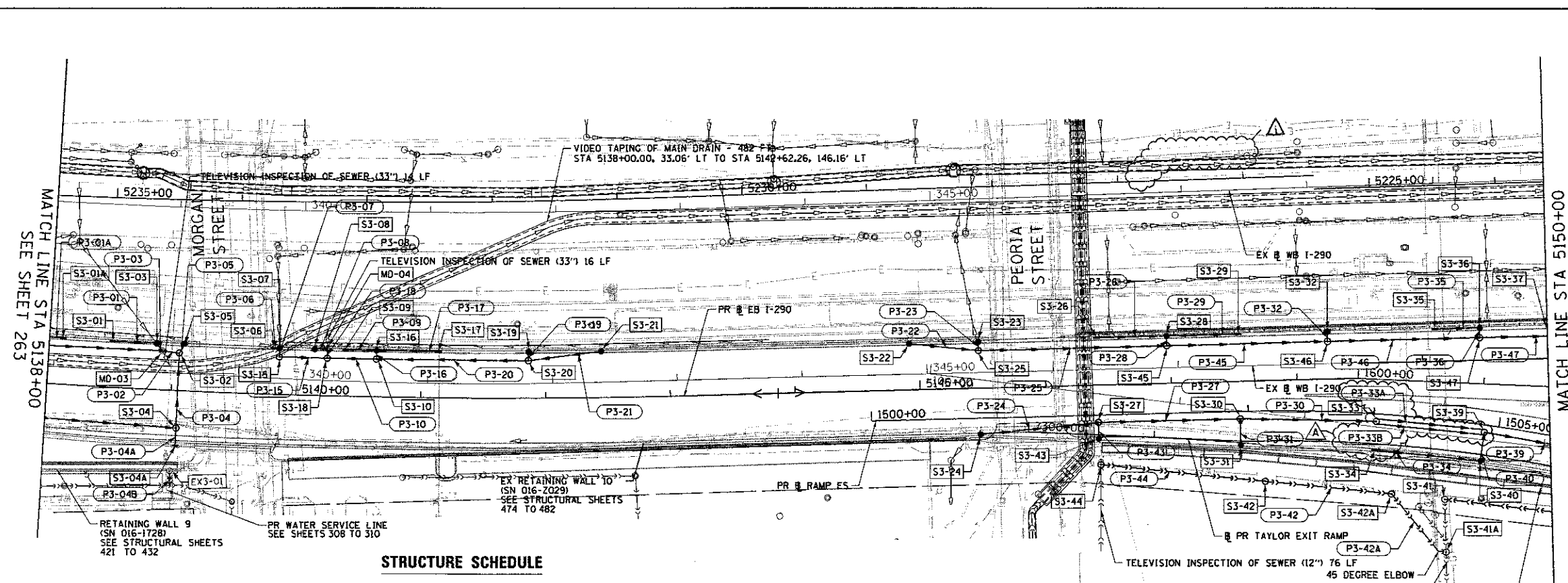
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PLAN**  
**EASTBOUND I-290**

SCALE: 1"=50' SHEET 2 OF 13 SHEETS STA. 5126+00 TO STA. 5138+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-002R&B	COOK	814	263
CONTRACT NO. 60X76			ILLINOIS FED. AID PROJECT	

$\Delta$  REV 7-19-17



**NOTES:**

- 1. FOR CTA DRAINAGE, SEE SHEETS 275 TO 278.
- 2. EXISTING STORM SEWER TO BE ABANDONED AND FILLED IS NOT SHOWN FOR CLARITY. SEE EXISTING DRAINAGE PLAN, SHEETS 256 TO 261 FOR DETAILS.
- 3. PROPOSED STRUCTURE AND PIPE NUMBERS NOT INCLUDED IN SCHEDULES ARE NOT USED.

**STRUCTURE SCHEDULE**

STRUCTURE NUMBER	STATION	OFFSET (FT)	OFFSET LOCATION (EDGE OF SHOULDER, CENTER OF STRUCTURE, FACE OF BARRIER)	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
							NORTH	EAST	SOUTH	WEST
S3-01	5138+51.00	38.00' LT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	575.83		571.30		
S3-01A	5138+11.00	38.00' LT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	576.28				571.78
S3-02	5138+05.00	30.00' LT	COS	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	575.54	570.75	567.20	567.00	
S3-03	5138+86.52	38.00' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	575.47		570.06	570.97	
S3-04	5139+05.00	30.00' RT	COS	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	576.17	567.48	572.27	567.68	
S3-04A	5139+05.00	44.08' RT	COS	INLETS, TYPE A	TYPE 10 FRAME AND GRATE	579.14				
S3-05	5139+09.00	38.00' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	575.28			570.78	
S3-06	5139+81.00	38.00' LT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	575.01		570.52		
S3-07	5139+85.79	38.00' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	575.01			570.34	570.50
S3-08	5140+4.00	38.00' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	575.06		570.56		
S3-09	5140+39.00	38.00' LT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	575.17		571.06		
S3-10	5140+64.00	30.00' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	575.58	570.67	570.83		569.92
S3-15	5139+85.79	30.00' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	575.24	570.31	570.06		
S3-16	5140+64.00	38.00' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	575.35		571.23	570.70	570.95
S3-17	5141+4.00	38.00' LT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	575.87			571.47	
S3-18	5140+24.45	30.00' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	575.33	566.63	569.74		569.88
S3-19	5141+86.00	38.00' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	576.66			572.16	
S3-20	5141+86.00	30.00' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	576.99	572.13	572.39		571.42
S3-21	5142+45.00	38.00' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	577.32			572.74	
S3-22	5144+92.00	38.00' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	577.80		573.30		
S3-23	5145+47.00	38.13' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	577.57			573.07	
S3-24	5145+47.00	38.00' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	577.59		572.94		
S3-25	5145+47.00	30.00' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	577.78	573.04	572.79		573.04
S3-26	5146+41.00	38.83' LT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	577.17		573.17		
S3-27	5146+41.00	30.00' RT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	577.40		572.33	572.50	572.49
S3-28	5146+41.00	38.83' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	576.95		572.45	571.95	572.91
S3-29	5147+54.00	38.83' LT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	576.12			572.72	
S3-30	5147+54.00	30.00' RT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	576.48		572.00	572.00	
S3-31	5147+54.00	51.82' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	576.48	572.22		572.14	572.00
S3-32	5148+25.00	38.83' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	575.92			572.44	
S3-33	1504+02.00	6.00' RT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	575.90	571.70	571.69		571.69
S3-34	1504+02.00	30.00' RT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	574.65		570.22		
S3-35	5149+10.00	26.83' LT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	576.10		572.10		
S3-36	5149+46.00	26.83' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	575.96			571.53	571.73
S3-37	5150+01.47	26.83' LT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	575.80		571.71		
S3-39	1504+89.00	6.00' RT	COS	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	575.47	569.66	569.66	571.36	
S3-40	1504+89.00	30.00' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	574.22	569.75		569.91	
S3-41	5149+14.56	110.41' RT	COS	MH, TYPE A, 4' DIAMETER (CDDT)	TYPE 1 FRAME, CLOSED LID (CDDT)	594.13	582.10		EX	
S3-41A	5149+14.49	152.77' RT	COS	MH, TYPE A, 4' DIAMETER (CDDT)	TYPE 1 FRAME, CLOSED LID (CDDT)	594.12			EX	581.95
S3-42	5147+72.71	80.62' RT	COS	MH, TYPE A, 4' DIAMETER (CDDT)	TYPE 1 FRAME, CLOSED LID (CDDT)	594.68		582.74		582.74
S3-42A	5146+61.84	103.72' RT	COS	MH, TYPE A, 4' DIAMETER (CDDT)	TYPE 1 FRAME, CLOSED LID (CDDT)	594.47			582.26	
S3-43	5146+41.00	43.92' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	577.04	572.54			
S3-44	5146+42.39	56.90' RT	FOB	MH, TYPE A, 4'-DIAMETER (CDDT)	TYPE 1 FRAME, CLOSED LID (CDDT)	593.75		583.38		EX
S3-45	5146+97.00	30.00' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	577.18	571.94	571.81		572.06
S3-46	5148+25.00	30.00' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	576.67	572.40	571.44		571.44
S3-47	5149+46.00	18.00' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	576.19	571.49	571.09		571.09
MD-03	5138+91.23	31.24' LT	COS	EXISTING	EXISTING	575.63	569.98	566.95		567.12
MD-04	5140+24.45	37.71' LT	COS	EXISTING	EXISTING	575.14			566.58	570.51
EX3-01	5139+01.43	64.30' RT	COS	EXISTING	EXISTING	594.42			589.44	

\* ROTATE STRUCTURE TOWARDS ROADWAY BASELINE

**PIPE SCHEDULE**

PIPE NUMBER	FROM	DIR	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
			TO	DIR							
P3-01A	S3-01A	W	S2-29	E	STORM SEWERS	A	2	12	37	0.5%	2.1
P3-01	S3-01	E	S3-03	W	STORM SEWERS	A	2	12	33	1.0%	8.7
P3-02	S3-02	W	MD-03	E	STORM SEWERS	A	2	24	11	0.5%	6.3
P3-03	S3-03	S	MD-03	N	STORM SEWERS	A	2	18	4	2.0%	0.3
P3-04	S3-04	N	S3-02	S	STORM SEWERS	A	2	24	56	0.5%	21.9
P3-04A	S3-04A	N	S3-04	S	STORM SEWERS (WATER MAIN REQUIREMENTS)	A	2	12	9	0.5%	1.4
P3-04B	EX3-01	S	EX 12"	N	COMBINED SEWER (WATER MAIN QUALITY) (CDDT)	A	2	8	12	0.5%	13.4
P3-05	S3-05	S	S3-02	N	STORM SEWERS (WATER MAIN REQUIREMENTS)	A	2	12	6	0.5%	0.3
P3-06	S3-06	E	S3-07	W	STORM SEWERS (WATER MAIN REQUIREMENTS)	A	2	12	2	1.0%	0.1
P3-07	S3-07	S	S3-15	N	STORM SEWERS (WATER MAIN REQUIREMENTS)	A	2	12	3	1.0%	0.1
P3-08	S3-08	E	MD-04	W	STORM SEWERS	A	2	12	10	0.5%	0.4
P3-09	S3-09	E	S3-16	W	STORM SEWERS	A	2	12	22	0.5%	0.9
P3-10	S3-10	W	S3-18	E	STORM SEWERS	A	2	18	36	0.5%	16.6
P3-15	S3-15	E	S3-18	W	STORM SEWERS (WATER MAIN REQUIREMENTS)	A	2	15	35	0.5%	1.8
P3-16	S3-16	S	S3-10	N	STORM SEWERS	A	2	15	3	1.0%	0.2
P3-17	S3-17	W	S3-16	E	STORM SEWERS	A	2	12	47	0.5%	1.8
P3-18	S3-18	N	MD-04	S	STORM SEWERS	A	2	18	5	1.0%	0.7
P3-19	S3-19	S	S3-20	N	STORM SEWERS	A	2	12	3	1.0%	0.2
P3-20	S3-20	W	S3-10	E	STORM SEWERS	A	2	15	118	0.5%	49.1
P3-21	S3-21	W	S3-20	E	STORM SEWERS	A	2	12	69	0.5%	2.2
P3-22	S3-22	E	S3-25	W	STORM SEWERS	A	2	12	62	0.5%	7.5
P3-23	S3-23	S	S3-25	N	STORM SEWERS	A	2	12	3	1.0%	0.5
P3-24	S3-24	E	S3-27	W	STORM SEWERS	A	2	12	90	0.5%	14.5
P3-25	S3-25	E	S3-45	W	STORM SEWERS	A	2	15	146	0.5%	41.6
P3-26	S3-26	E	S3-28	W	STORM SEWERS	A	2	12	53	0.5%	4.4
P3-27	S3-27	E	S3-30	W	STORM SEWERS, EQUIVALENT ROUND SIZE	A	2	18	109	0.3%	36.9
P3-28	S3-28	S	S3-45	N	STORM SEWERS	A	2	18	4	0.5%	1.2
P3-29	S3-29	W	S3-28	E	STORM SEWERS	A	2	12	54	0.5%	5.7
P3-30	S3-30	E	S3-33	W	STORM SEWERS, EQUIVALENT ROUND SIZE	A	2	18	104	0.5%	18.8
P3-31	S3-31	N	S3-30	S	STORM SEWERS	A	2	12	17	0.5%	1.2
P3-32	S3-32	S	S3-46	N	STORM SEWERS	A	2	12	4	0.5%	0.4
P3-33A	S3-33	E	S3-39	W	STORM SEWERS (WATER MAIN REQUIREMENTS)	A	2	15	82	0.4%	10.0
P3-33B	S3-33	E	S3-39	W	STORM SEWERS (WATER MAIN REQUIREMENTS)	A	2	15	82	0.4%	10.0
P3-34	S3-34	N	S3-40	S	STORM SEWERS	A	2	12	16	0.5%	2.2
P3-35	S3-35	E	S3-36	W	STORM SEWERS (WATER MAIN REQUIREMENTS)	A	2	12	37	1.0%	3.4
P3-36	S3-36	S	S3-47	N	STORM SEWERS	A	2	12	4	1.0%	0.6
P3-37	S3-37	E	S4-01	W	STORM SEWERS	A	2	12	15	0.5%	1.4
P3-39	S3-39	E	S4-25	W	STORM SEWERS, EQUIVALENT ROUND SIZE	A	2	18	87	0.3%	37.7
P3-40	S3-40	N	S3-39	S	STORM SEWERS	A	2	15	19	0.4%	5.8
P3-42	S3-42	E	S3-42A	W	COMBINED SEWER (WATER MAIN QUALITY) (CDDT)	A	2	12	97	0.5%	0.0
P3-42A	S3-42A	S	S3-41A	W	COMBINED SEWER (EXTRA STRENGTH VITRIFIED CLAY PIPE) (CDDT)	A	2	12	62	0.5%	0.0
P3-43	S3-43	N	S3-27	S	STORM SEWERS	A	2	12	9	0.5%	1.4
P3-44	S3-44	E	S3-42	W	COMBINED SEWER (EXTRA STRENGTH VITRIFIED CLAY PIPE) (CDDT)	A	2	12	128	0.5%	0.0
P3-45	S3-45	E	S3-46	W	STORM SEWERS	A	2	18	124	0.3%	39.8
P3-46	S3-46	E	S3-47	W	STORM SEWERS (WATER MAIN REQUIREMENTS)	A	2	18	118	0.3%	67.2
P3-47	S3-47	E	S4-03	W	STORM SEWERS	A	2	18	70	0.3%	39.4

SCALE: 1"=50'

**Transystems**  
 D:\617479-P\A\T\Transystems\0168X76-SHT-DRAIN-03.dgn  
 USER NAME = vjjanachione  
 PLOT SCALE = 100.0000 / in.  
 PLOT DATE = 7/11/2017

DESIGNED - JLV	REVISED - 7/6/2017
DRAWN - MRC	REVISED -
CHECKED - MKW	REVISED -
DATE - 5/10/17	REVISED -

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

**PROPOSED DRAINAGE PLAN**  
**EASTBOUND I-290**  
 SCALE: 1"=50' SHEET 3 OF 13 SHEETS STA. 5138+00 TO STA. 5150+00

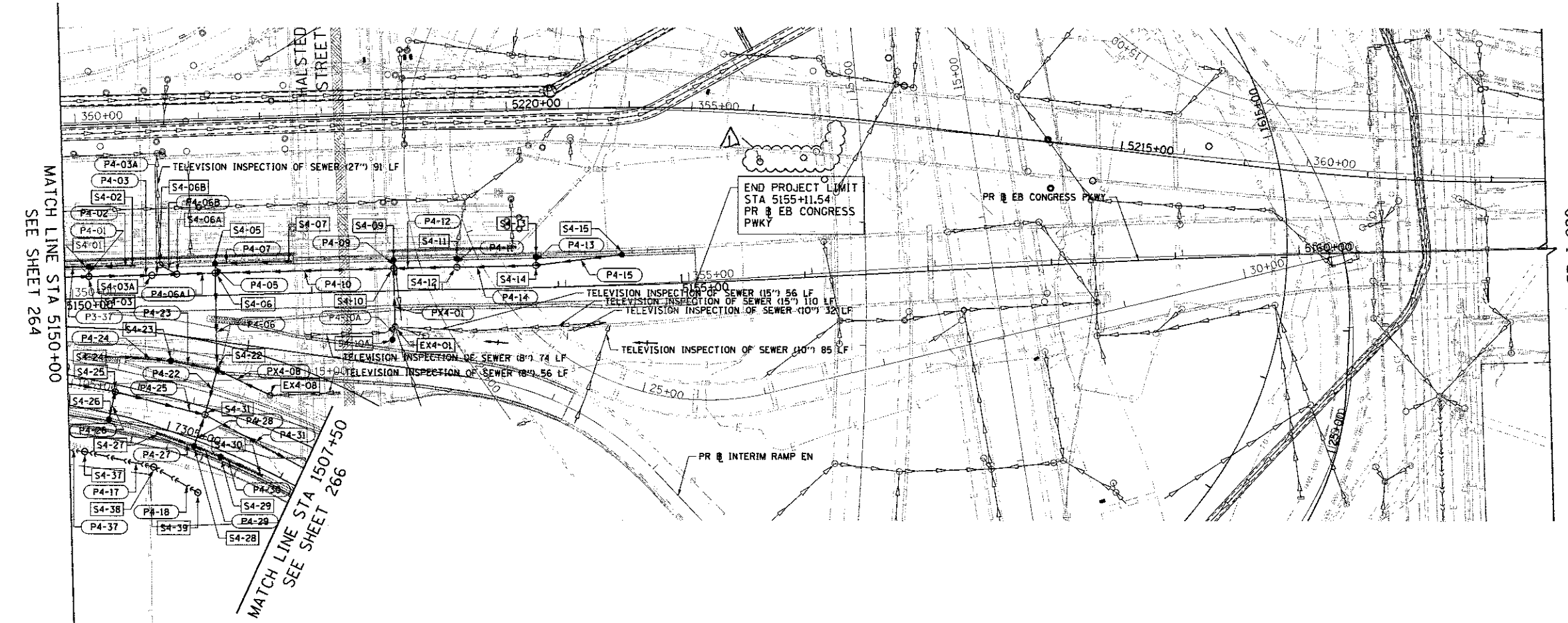
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
90/94/290	2014-002R&B	COOK	814	264
CONTRACT NO. 60X76				
ILLINOIS FED. AID PROJECT				

REV 7-19-17



**NOTES:**

1. FOR CTA DRAINAGE, SEE SHEETS 275 TO 278.
2. EXISTING STORM SEWER TO BE ABANDONED AND FILLED IS NOT SHOWN FOR CLARITY. SEE EXISTING DRAINAGE PLAN, SHEETS 256 TO 261 FOR DETAILS.
3. PROPOSED STRUCTURE AND PIPE NUMBERS NOT INCLUDED IN SCHEDULES ARE NOT USED.



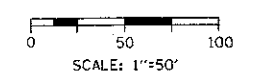
**STRUCTURE SCHEDULE**

STRUCTURE NUMBER	STATION	OFFSET (FT)	OFFSET LOCATION (EDGE OF SHOULDER, CENTER OF STRUCTURE, FACE OF BARRIER)	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
							NORTH	EAST	SOUTH	WEST
* S4-01	5150+19.51	26.83' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	575.82		571.82	571.14	571.64
S4-02	5150+55.00	26.83' LT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	575.98				571.98
* S4-03	51510+19.51	17.90' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	576.05	571.10	570.38		570.88
* S4-04	5150+70.54	17.61' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	576.34		570.28		570.28
* S4-05	5151+22.00	26.83' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	576.71		572.71	570.29	
* S4-06	5151+22.00	18.00' LT	COS	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	576.94	570.25	569.88	568.36	570.14
* S4-06A	5150+90.75	18.00' LT	COS	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	576.53	566.76	570.20		570.20
* S4-06B	5150+77.37	26.83' LT	COS	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	576.16	EX		566.74	
S4-07	5151+82.00	26.68' LT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	577.85				573.85
* S4-09	5152+67.00	26.06' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	580.38			576.38	
* S4-10	5152+67.00	18.00' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	580.46	576.31	576.21	570.83	570.58
* S4-10A	5152+64.52	39.72' RT	COS	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	577.00	573.00			
* S4-11	5153+18.00	26.00' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	582.13	578.09	578.08	578.13	
* S4-12	5153+18.00	18.00' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	584.69				577.39
* S4-13	5153+82.00	26.00' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	584.89	580.65	580.89	580.69	
* S4-14	5153+82.00	18.00' LT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	587.50				579.58
* S4-15	5154+52.00	26.58' LT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	574.86	568.25	569.23	567.85	582.57
* S4-22	1602+80.00	22.00' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	574.86	568.25	569.23	567.85	569.44
* S4-23	1602+80.00	22.00' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	574.86	568.25	569.23	567.85	570.03
S4-24	1602+10.00	23.06' RT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	574.86		570.29		
S4-25	1505+82.00	6.00' RT	COS	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	574.11		569.40	569.57	569.40
S4-26	1505+82.00	30.00' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	572.86	569.66			
S4-27	1506+25.00	31.87' RT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	572.36		567.56		
S4-28	1506+56.50	34.00' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	571.92	566.64	566.89		567.42
S4-29	1506+81.00	35.64' RT	FOB	CB, TYPE A, 4'-DIAMETER	TYPE 20 FRAME AND GRATE	571.85		567.24		566.99
S4-30	1507+18.00	38.93' RT	FOB	INLETS, TYPE A	TYPE 20 FRAME AND GRATE	571.90				567.40
S4-31	1506+57.79	6.00' RT	COS	MH, TYPE A, 9'-DIAMETER	TYPE 1 FRAME, CLOSED LID	573.55	567.80	564.54	566.54	569.14
S4-37	5150+12.37	124.39' RT	COS	MH, TYPE A, 4'-DIAMETER (CDOT)	TYPE 1 FRAME, CLOSED LID (CDOT)	594.13		582.58		582.58
S4-38	5150+67.93	138.26' RT	COS	MH, TYPE A, 4'-DIAMETER (CDOT)	TYPE 1 FRAME, CLOSED LID (CDOT)	594.00		582.85		582.85
S4-39	5151+03.26	160.04' RT	COS	MH, TYPE A, 4'-DIAMETER (CDOT)	TYPE 1 FRAME, CLOSED LID (CDOT)	594.08				583.04
EX4-01	5152+67.00	29.41' RT	COS	EXISTING	EXISTING	581.41	571.05	EX	572.91	EX
EX4-08	5151+64.26	82.56' RT	COS	EXISTING	EXISTING	575.38		EX		569.25

\* ROTATE STRUCTURE TOWARDS ROADWAY BASELINE

**PIPE SCHEDULE**

PIPE NUMBER	STRUCTURE				DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	T&F (CU YD)
	FROM DIR	TO DIR	TO DIR	TO DIR							
P4-01	S4-01	S	S4-03	N	STORM SEWERS	A	2	18	4	1.00%	0.5
P4-02	S4-02	W	S4-01	E	STORM SEWERS	A	2	12	35	0.50%	2.6
P4-03	S4-03	E	S4-03A	W	STORM SEWERS	A	2	24	48	0.20%	44.5
P4-03A	S4-03A	E	S4-06A	W	STORM SEWERS	A	2	24	17	0.50%	13.5
P4-05	S4-05	S	S4-06	N	STORM SEWERS	A	2	18	4	1.00%	2.2
P4-06A	S4-06A	E	S4-06	W	STORM SEWERS	A	2	30	27	0.20%	33.0
P4-06B	S4-06B	N	S4-06B	S	STORM SEWERS	A	2	24	11	0.50%	5.2
P4-06	S4-06	S	S4-22	N	STORM SEWERS	A	2	30	75	0.15%	79.3
P4-07	S4-07	W	S4-05	E	STORM SEWERS	A	2	12	57	2.00%	4.5
P4-09	S4-09	S	S4-10	N	STORM SEWERS	A	2	12	3	2.50%	0.3
P4-10	S4-10	W	S4-06	E	STORM SEWERS	A	2	18	141	0.50%	126.8
P4-10A	S4-10A	N	EX4-01	S	STORM SEWERS	A	2	12	9	1.00%	1.3
P4-11	S4-11	S	S4-12	N	STORM SEWERS	A	2	12	3	1.50%	0.3
P4-12	S4-12	W	S4-10	E	STORM SEWERS	A	2	15	47	2.50%	6.6
P4-13	S4-13	S	S4-14	N	STORM SEWERS	A	2	12	3	1.50%	0.3
P4-14	S4-14	W	S4-12	E	STORM SEWERS	A	2	15	60	2.50%	9.7
P4-15	S4-15	W	S4-14	E	STORM SEWERS	A	2	12	57	2.50%	8.6
PX4-01	EX4-01	N	S4-10	S	STORM SEWERS	A	2	15	77	0.30%	66.7
P4-17	S4-38	W	S4-37	E	COMBINED SEWER (EXTRA STRENGTH VITRIFIED CLAY PIPE) (CDOT)	A	2	54	54	0.50%	0.0
P4-18	S4-39	W	S4-38	E	COMBINED SEWER (EXTRA STRENGTH VITRIFIED CLAY PIPE) (CDOT)	A	2	38	38	0.50%	0.0
P4-22	S4-22	S	S4-31	N	STORM SEWERS	A	2	30	34	0.15%	27.4
P4-23	S4-23	E	S4-22	W	STORM SEWERS	A	2	15	34	1.00%	10.1
P4-24	S4-24	E	S4-23	W	STORM SEWERS	A	2	12	26	1.00%	3.6
P4-25	S4-25	E	S4-31	W	STORM SEWERS, EQUIVALENT ROUND SIZE	A	2	18	85	0.30%	28.5
P4-26	S4-26	N	S4-25	S	STORM SEWERS	A	2	12	18	0.50%	1.2
P4-27	S4-27	E	S4-28	W	STORM SEWERS	A	2	12	28	0.50%	4.2
P4-28	S4-28	N	S4-31	S	STORM SEWERS	A	2	18	21	0.50%	11.5
P4-29	S4-29	W	S4-28	E	STORM SEWERS	A	2	15	20	0.50%	6.7
P4-30	S4-30	W	S4-29	E	STORM SEWERS	A	2	12	32	0.50%	5.8
P4-31	S4-31	E	S5-01	W	STORM SEWERS	A	2	42	171	0.08%	218.2
P4-37	S4-37	W	S3-41	E	COMBINED SEWER (WATER MAIN QUALITY) (CDOT)	A	2	12	36	0.50%	0.0
PX4-08	S4-08	W	S4-22	E	STORM SEWERS	A	2	30	36	0.06%	25.6



FILE PATH: p:\1\B7479\PROJECT\DWG\60X76-SHT-DRAIN-04.dgn



DESIGNED - JLV  
 DRAWN - MRC  
 CHECKED - MKW  
 DATE - 5/10/17

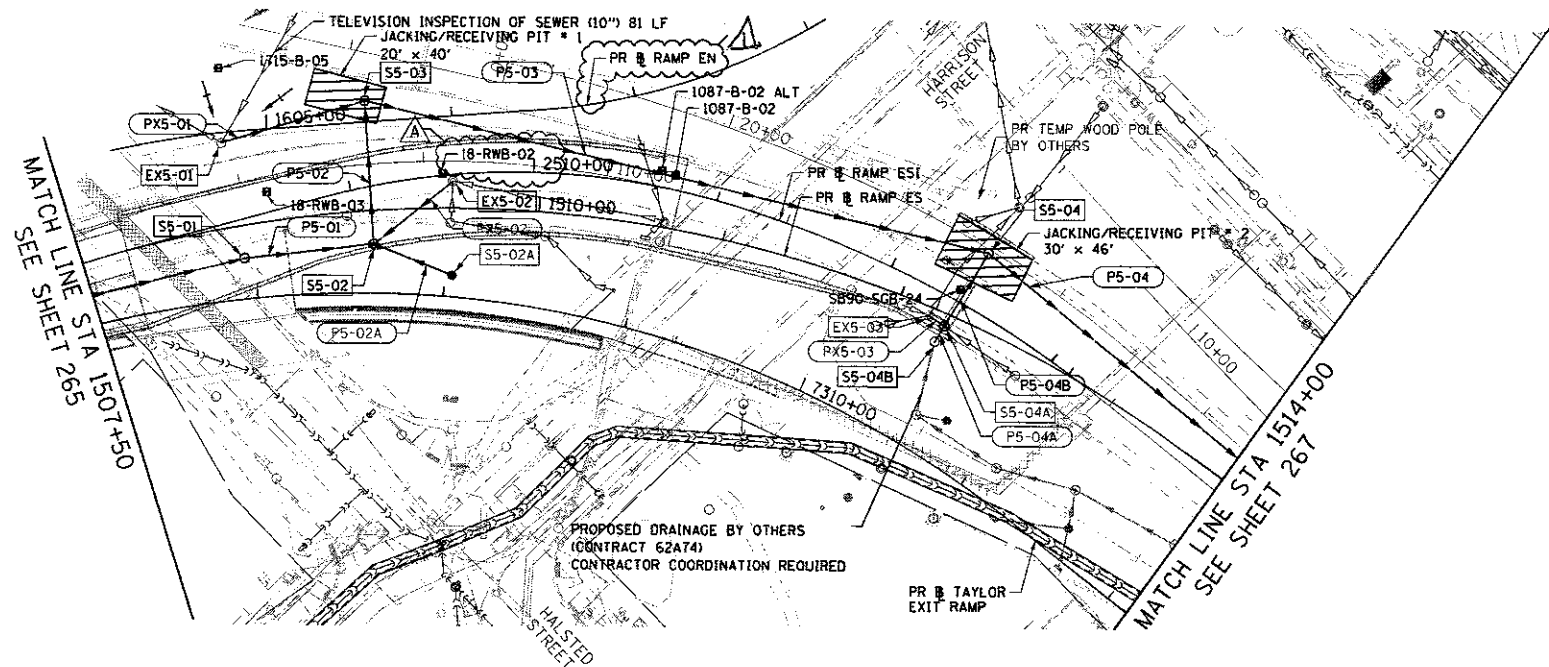
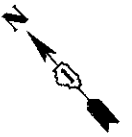
REVISED - 7/6/2017  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PLAN  
 EASTBOUND I-290**  
 SCALE: 1"=50' SHEET 4 OF 13 SHEETS STA. 5150+00 TO STA. 5162+00

F.A.I. RTE. 90/94/290	SECTION 2014-002R&B	COUNTY COOK	TOTAL SHEETS 814	SHEET NO. 265
CONTRACT NO. 60X76			ILLINOIS FED. AID PROJECT	

REV 7-19-17



**NOTES:**

- FOR CTA DRAINAGE, SEE SHEETS 275 TO 278.
- EXISTING STORM SEWER TO BE ABANDONED AND FILLED IS NOT SHOWN FOR CLARITY. SEE EXISTING DRAINAGE PLAN, SHEETS 256 TO 261 FOR DETAILS.
- PROPOSED STRUCTURE AND PIPE NUMBERS NOT INCLUDED IN SCHEDULES ARE NOT USED.
- PREFERRED JACKING AND RECEIVING PIT LAYOUT. CONTRACTOR SHALL STAKE OUT PIT LOCATION IN FIELD PRIOR TO EXCAVATION FOR VERIFICATION BY THE ENGINEER.
- SEE SHEETS 288 TO 303 FOR BORING LOGS NEAR JACKING PIT LOCATIONS.

**STRUCTURE SCHEDULE**

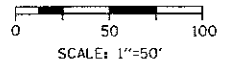
STRUCTURE NUMBER	STATION	OFFSET (FT)	OFFSET LOCATION (EDGE OF SHOULDER, CENTER OF STRUCTURE, FACE OF BARRIER)	STRUCTURE TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS			
							NORTH	EAST	SOUTH	WEST
S5-01	1508+37.00	17.84' RT	COS	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	574.51		564.20		564.40
S5-02	1509+09.00	19.09' RT	FOB	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME AND OPEN LID	574.84		570.09		564.14
S5-02A	1509+52.46	36.35' RT	COS	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	571.16	566.00			
S5-03	1509+08.79	59.10' LT	COS	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	579.90	569.12			563.89
S5-04	1512+33.39	38.92' LT	COS	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	578.99	556.26			562.44
S5-04A	1512+27.70	16.54' RT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	581.04	573.75			573.75
S5-04B	1512+26.68	16.43' RT	COS	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	581.13		562.61	573.72	562.61 (BY OTHERS)
EX5-01	1508+35.10	45.59' LT	COS	EXISTING	EXISTING	574.66				569.91
EX5-02	1509+52.83	14.73' LT	COS	EXISTING	EXISTING	575.41			EX	570.61
EX5-03	1512+18.43	4.76' RT	COS	EXISTING	EXISTING	577.50				573.81

**PIPE SCHEDULE**

PIPE NUMBER	STRUCTURE				DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
	FROM	DIR	TO	DIR							
P5-01	S5-01	E	S5-02	W	STORM SEWERS	A	2	42	64	0.08%	103.0
P5-02	S5-02	E	S5-03	W	STORM SEWERS	A	2	42	72	0.08%	169.1
P5-02A	S5-02A	N	S5-02	S	STORM SEWERS	A	2	12	37	0.50%	0.0
P5-03	S5-03	S	S5-04	N	STORM SEWERS JACKED IN PLACE			42	335	0.08%	0.0
P5-04	S5-04	S	S6-01	N	STORM SEWERS JACKED IN PLACE			60	429	0.05%	0.0
P5-04A	S5-04A	W	S5-04B	E	STORM SEWERS	A	2	24	5	0.50%	1.2
P5-04B	S5-04B	E	S5-04	W	STORM SEWERS	A	2	24	34	0.50%	35.8
PX5-01	EX5-01	S	S5-03	N	STORM SEWERS	A	2	15	79	1.00%	14.60
PX5-02	EX5-02	W	S5-02	E	STORM SEWERS	A	2	15	52	1.00%	8.40
PX5-03	EX5-03	S	S5-04A	N	STORM SEWERS	A	2	12	10	0.50%	1.5

**PIPE JACKING /RECEIVING SCHEDULE**

JACKING/RECEIVING PIT NUMBER	AGGREGATE SUBGRADE IMPROVEMENT 24"		REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL		GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	
	SO	YD	CU	YD	SO	YD
1	89	59				89
2	152	93				152



FILE PATH: P:\1617479-P\INT\ecomm\line\local\REC04\_1502\_NA\Documents\01\160976\_SHT-DRAIN-05.dgn

	D:\6076-SHT-DRAIN-05.dgn	DESIGNED - JLV	REVISED - 7/6/2017	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>			<b>PROPOSED DRAINAGE PLAN EASTBOUND I-290</b>			F.A.I. RTE. 90/94/290	SECTION 2014-002R&B	COUNTY COOK	TOTAL SHEETS 814	SHEET NO. 266
	USER NAME = v.l.janochione	DRAWN - MRC	REVISIONS							SCALE: 1"=50'			SHEET 5 OF 13 SHEETS STA. 1507+50 TO STA. 1514+00	
PLOT SCALE = 100,0000' / in.	CHECKED - MKW	REVISIONS		ILLINOIS FED. AID PROJECT										
PLOT DATE = 7/11/2017	DATE = 5/10/17	REVISIONS		REV 7-19-17										

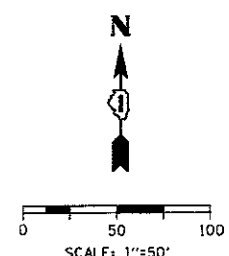
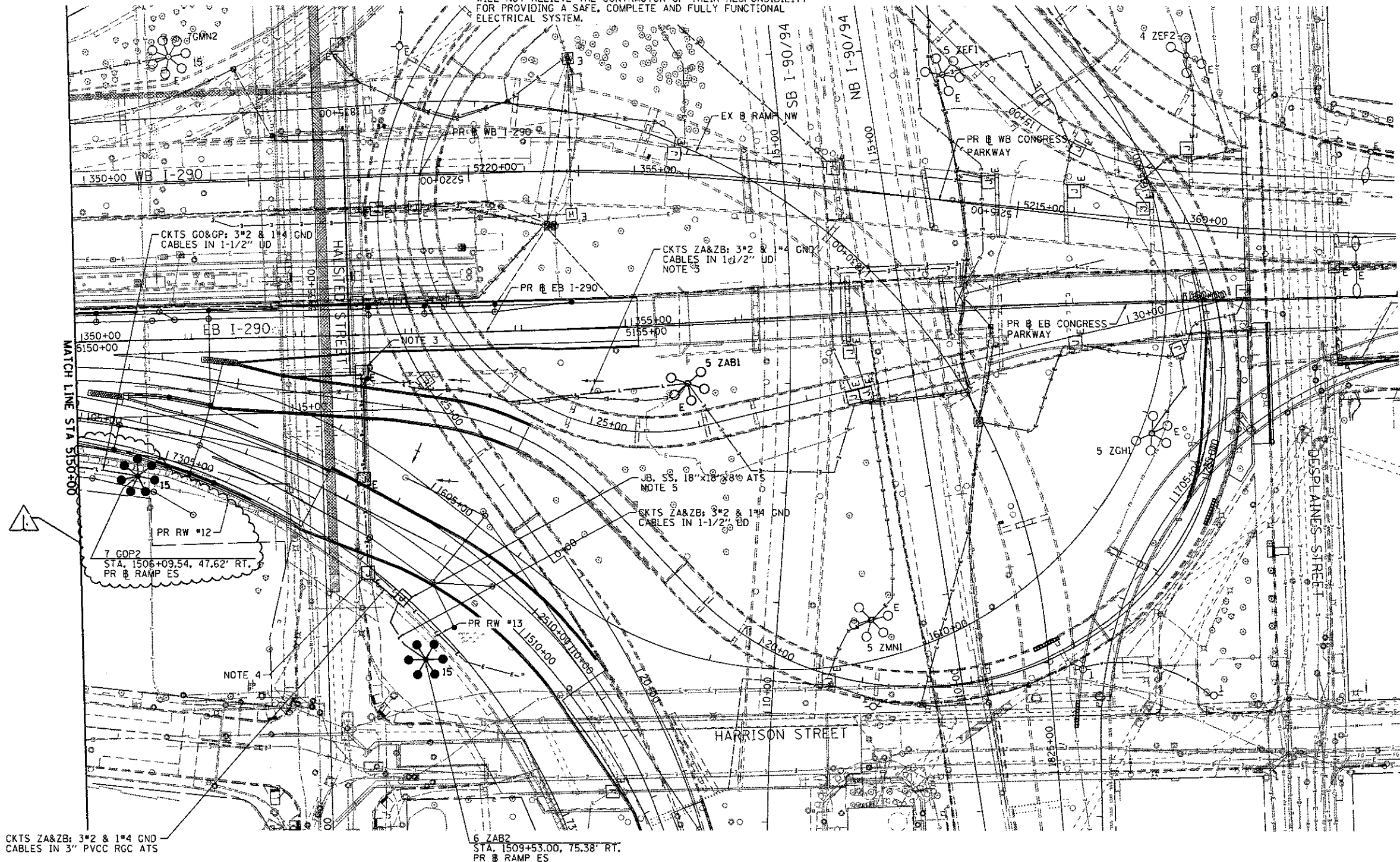






**NOTES:**

1. SEE DRAWING E-01 FOR IDOT ELECTRICAL SYMBOLS.
2. EXISTING ELECTRICAL SYSTEMS, WHEN DEPICTED ON THE PLANS, ARE INTENDED TO INDICATE THE GENERAL EQUIPMENT INSTALLATIONS INVOLVED AND SHALL NOT BE CONSTRUED AS AN EXACT REPRESENTATION OF THE FIELD CONDITIONS. IT REMAINS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE TO CONFIRM AND ASCERTAIN THE EXACT CONDITION, SIZE, TYPE, QUANTITY AND LOCATION OF THE EXISTING ELECTRICAL EQUIPMENT. ANY DISCREPANCIES BETWEEN THE EXISTING ELECTRICAL EQUIPMENT IN THE FIELD AND THE DEPICTION OF THE EXISTING ELECTRICAL EQUIPMENT SHOWN ON THE PLANS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER FOR RESOLUTION. FAILURE TO VERIFY THE CONDITIONS, DIMENSIONS AND DETAILS OF THE EXISTING ELECTRICAL EQUIPMENT TO CONFIRM THAT THE NEW EQUIPMENT IS COMPATIBLE WITH THE EXISTING EQUIPMENT AND CAN BE PROPERLY INSTALLED AND CONNECTED AS SHOWN ON THE PLANS WILL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR PROVIDING A SAFE, COMPLETE AND FULLY FUNCTIONAL ELECTRICAL SYSTEM.
3. ROUTE UNIT DUCT FROM EXISTING HMLT 5 ZAB1, AVOIDING EXISTING DRILLED SHAFTS, THROUGH AN EXISTING CONDUIT TO AN EXISTING JUNCTION BOX ATTACHED TO A HALSTED STREET PIER. SPLICE CABLES TO THE EXISTING CABLES FOR CIRCUITS ZA & ZB LOCATED WITHIN THE JUNCTION BOX. PROVIDE TERMINAL BLOCKS AND 30A FUSES IN THE JUNCTION BOX AS SHOWN ON THE "TYPICAL UNDERPASS LIGHTING UNIT WIRING DIAGRAM" AS SHOWN ON E-14. COORDINATE THIS WORK WITH THE 60X75 CONTRACTOR.
4. SPLICE THE PROPOSED CABLES FOR CIRCUITS ZA & ZB TO THE EXISTING CABLES LOCATED IN THE EXISTING JUNCTION BOX, LOCATED ON THE HALSTED ST. SOUTH ABUTMENT.
5. SEE DRAWING E-14 FOR CONDUIT ROUTING THROUGH RW#13.



E-09

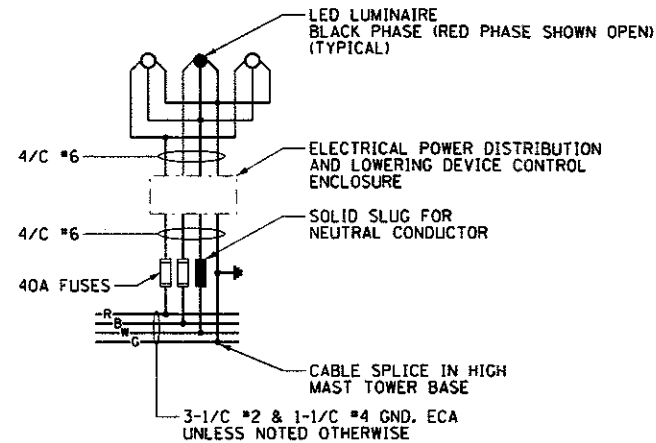
FILE PATH = p:\1\B174-9\INT\awecom\lms\local\h\ecdm\1592\_HA\Documents\16\606999B\_CablePlan\_Sheets\60X76-SHT-Light-09

<p>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-3279 PHONE (312) 373-1100 FAX (312) 373-6800</p>	DI60X76-SHT-Light-09 USER NAME = myerso PLOT SCALE = 1/8"=1'-0" PLOT DATE = 7/10/2017	DESIGNED - PFD DRAWN - CAM CHECKED - WDS DATE - 5/10/17	REVISED -  7/13/2017 REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>EASTBOUND I-290 PROPOSED LIGHTING PLAN</b>		F.I. RTE. 90/94/290	SECTION 2014-002R&B	COUNTY COOK	TOTAL SHEETS 814	SHEET NO. 398	CONTRACT NO. 60X76 ILLINOIS FED. AID PROJECT
	SCALE: 1"=50'    SHEET 9 OF 17 SHEETS    STA. 5150+00 TO STA. 5162+00												

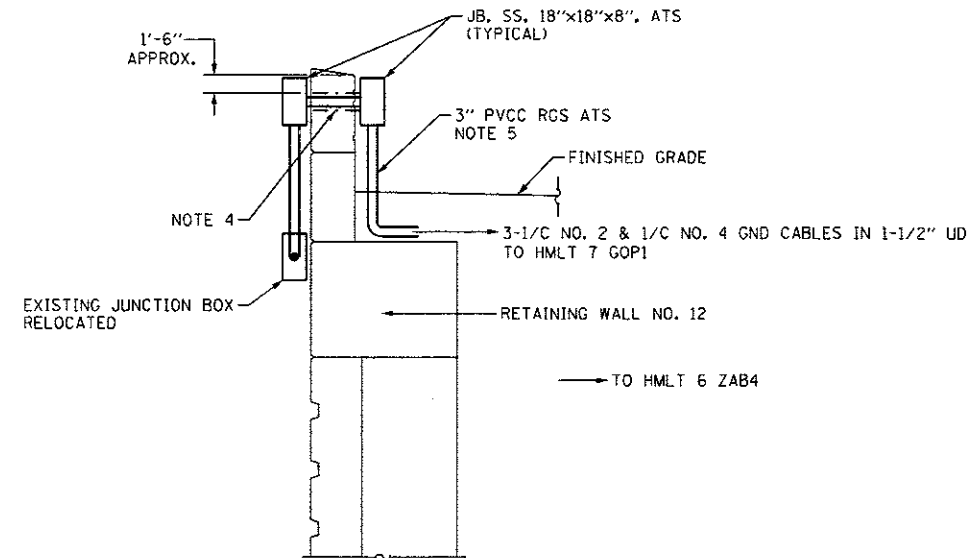
REV 7-19-17

HIGH MAST LIGHT TOWER FOUNDATION SCHEDULE

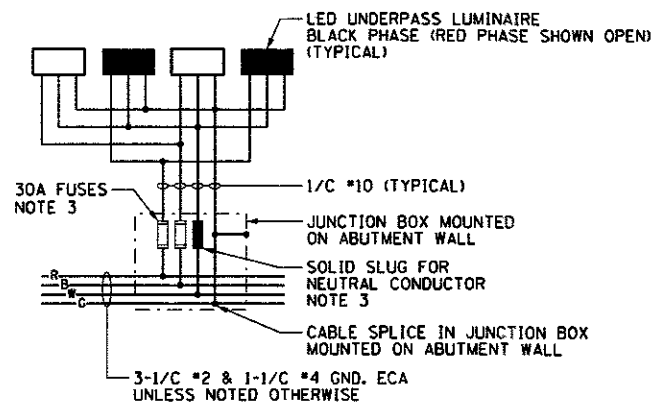
HIGH MAST LIGHT TOWER IDENTIFICATION	HIGH MAST LIGHT TOWER FOUNDATION LOCATION			HIGH MAST LIGHT TOWER FOUNDATION ELEVATIONS			HIGH MAST TOWER HEIGHT	REMARKS AND NOTES
	STATION	OFFSET	BASELINE	TOP ELEVATION	BOTTOM ELEVATION	DESIGN DEPTH (FT)		
7 GOP1	1502+85.44	42.66' RT	PR RAMP ES	596.64	558.14	38.5	130'	NOTES 1, 2 & 8
7 GOP2	1506+09.54	47.62' RT	PR RAMP ES	595.24	552.74	42.5	150'	NOTES 1, 2 & 8
6 ZAB2	1509+53.00	75.38' RT	PR RAMP ES	595.92	553.42	42.5	150'	NOTES 1, 2 & 8



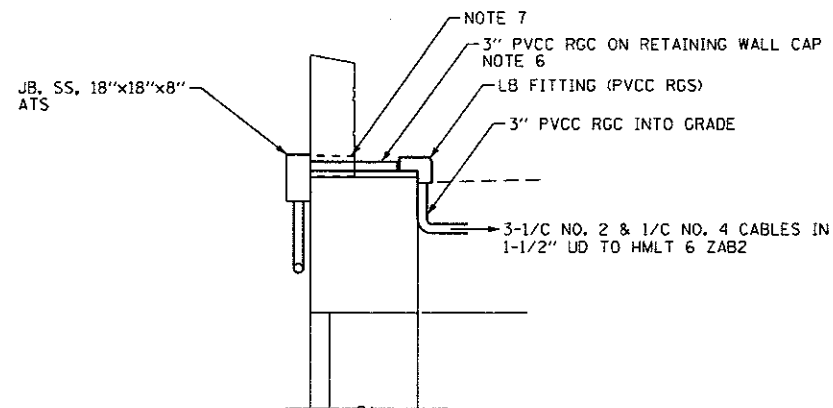
TYPICAL HIGH MAST LIGHT TOWER WIRING DIAGRAM  
NOT TO SCALE



CONDUIT SLEEVE THROUGH RETAINING WALL NO. 12 DETAIL - SIDE VIEW  
NTS LOOKING EAST



TYPICAL UNDERPASS LIGHTING UNIT WIRING DIAGRAM  
NOT TO SCALE



CONDUIT ROUTING THROUGH EXISTING RETAINING WALL #13  
NOT TO SCALE

NOTES:

- SEE IDOT STANDARDS BE-506 AND BE-511 FOR LIGHT TOWER FOUNDATION DETAILS.
- THE SCHEDULE ON THIS DRAWING REPLACES THE "SHAFT LENGTH (D) TABLE" SHOWN ON IDOT STANDARDS BE-506 AND BE-511.
- THE FUSES, FUSE HOLDERS, AND SOLID SLUGS SHALL BE PROVIDED ACCORDING TO ARTICLE 1065.01 OF THE IDOT STANDARDS. THE COST OF PROVIDING THE FUSES, FUSE HOLDERS, AND SOLID SLUGS IN THE JUNCTION BOX WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE NO. 2 CABLES.
- ROUTE THE 3-1/C NO. 2 & 1/C NO. 4 GND CABLES 3-INCH PVCC COATED RIGID STEEL CONDUIT THROUGH THE 5-INCH PVC CONDUIT SLEEVE EMBEDDED IN THE RETAINING WALL. THE COST OF THE CONDUIT SLEEVE SHALL BE INCLUDED IN THE COST OF THE RETAINING WALL. SEE THE STRUCTURAL PLANS FOR THE LOCATION OF THE PVC CONDUIT SLEEVE.
- PROVIDE A 3-INCH PVCC COATED RIGID STEEL CONDUIT AND 90-DEGREE ELBOW ATTACHED TO STRUCTURE FROM THE JUNCTION BOX TO BELOW FINAL GRADE. ROUTE THE UNIDUCT FROM LIGHT TOWER 7 GOP1 THROUGH THE CONDUIT BELOW TO THE JUNCTION BOX AS SHOWN ON DRAWING E-08.
- 3" CONDUIT SHALL BE SECURELY FASTENED ON TOP OF THE EXISTING RW#13 CAP USING PVC COATED CONDUIT CLAMPS ANCHORED INTO THE CAP. ALL WORK AND MATERIALS TO SECURE THIS CONDUIT TO THE RW#13 CAP SHALL BE INCLUDED IN THE COST OF THE CONDUIT.
- CORE DRILL THROUGH THE EXISTING RETAINING WALL NO. 13 PARAPET WALL FOR ROUTING 3-INCH CONDUIT AS SHOWN. LOCATE THE EXISTING REBAR EMBEDDED IN THE WALL PRIOR TO DRILLING TO AVOID CUTTING THROUGH THE EXISTING STRUCTURAL STEEL. THE CONTRACTOR SHALL PROVIDE A WATERPROOF SEALANT AROUND THE CONDUIT. THE COST TO CORE DRILL THROUGH THE EXISTING WALL WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE 3" PVCC RGC PAY ITEM.
- BASED ON THE HIGH SQUEEZE POTENTIAL OF THE CLAY SOILS, THE USE OF TEMPORARY CASING WILL BE REQUIRED IN ORDER TO PROPERLY CONSTRUCT THE DRILLED SHAFTS. CASING MAY BE PULLED OR LEFT IN PLACE, AS DETERMINED BY THE CONTRACTOR, AT NO COST TO THE DEPARTMENT.

E-14

FILE PATH: p:\1617479-FWINT\_mecomm\Line\log\log\ECOM\_0502\_Ant Documents\8) America's Transportation\62659338 Circle Phase 1\1008\_CDD 016 Electrical\Sheets\88X76\_Contract\0168X76-shs-Light-14



D168X76-shs-Light-14  
USER NAME = mjarsc  
PLOT SCALE = 2.0000 / 1"  
PLOT DATE = 7/18/2017

DESIGNED - PFD  
DRAWN - CAM  
CHECKED - WDS  
DATE - 5/10/17

REVISED - A 7/13/2017  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS ELECTRICAL DETAILS

SCALE: N.T.S. SHEET 14 OF 17 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2014-002R&B	COUNTY COOK	TOTAL SHEETS 814	SHEET NO. 403
CONTRACT NO. 60X76				
ILLINOIS FED. AID PROJECT				

REV 7-19-17