

046

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

* 623 + 1 = 624 TOTAL SHEETS

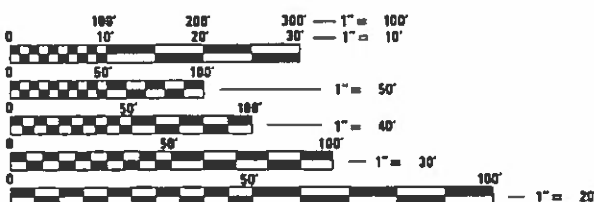
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS	ST. CLAIR	623	1
ILLINOIS				CONTRACT NO. 76E13

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**PROPOSED
HIGHWAY PLANS**

FAI ROUTE 255 (I-255)
SECTION 82-(3,2,1)RS
PROJECT NHPP-UI98(917)
RESURFACING AND BRIDGE REPAIR
ST. CLAIR COUNTY

C-98-274-18



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.

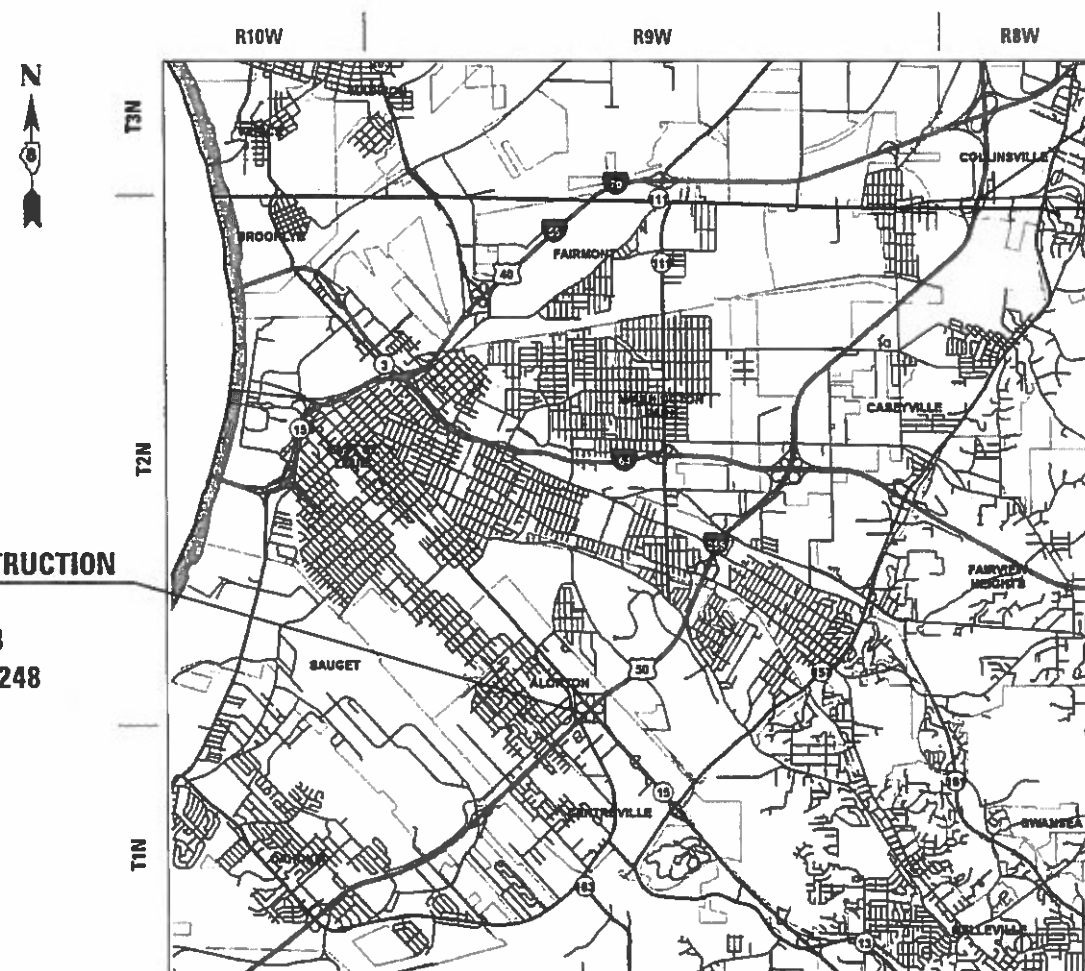
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: HERVE GELIN (618) 346-3179
PROJECT MANAGER: BILLIE OWEN (618) 346-3209

CONTRACT NO. 76E13

STATION EQUATIONS
839+21.47 BK = 839+17.83 AH
889+70.10 BK = 889+83.19 AH
948+94.57 BK = 1002+29.7 AH

GROSS/NET LENGTH = 7.136 MILES



LOCATION MAP NOT TO SCALE

END CONSTRUCTION
STA. 1244 + 25
LAT. 38.659112
LONG. -90.031245



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Aug. 7 20 19
Ruth Roberts REGIONAL ENGINEER

Oct 4 20 19
cc E. E. E. ENGINEER OF DESIGN AND ENVIRONMENT

Oct 4 20 19
Paul J. [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

REV. 10-31-2019

INDEX OF SHEETS

- 1

COMBINED COVER SHEET
- 2

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, COMMITMENTS, AND LOCATION MAP
- 3-27

COMBINED SUMMARY OF QUANTITIES

- 1-280

PLAN SET 1 OF 2 - SOUTH SECTION 82-(3,2)RS - (NOTE - INCLUDES SHEET 67A)
- 1-316

PLAN SET 2 OF 2 - NORTH SECTION 82-1RS

HIGHWAY STANDARDS

000001-07	482006-03	631011-10	701400-09	704001-08
001001-02	482011-03	631026-06	701401-12	720001-01
001006	483001-05	631031-15	701402-12	720006-04
202001-01	542301-03	631033-07	701411-09	720011-01
280001-07	542401-03	635001-02	701428-01	720021-02
406001-06	601001-05	637006-04	701446-09	725001-01
420001-09	601101-02	642001-02	701451-05	780001-05
420101-06	606001-07	665001-02	701456-05	781001-04
424001-11	606101-05	701001-02	701501-06	782001-01
424031-02	606301-04	701006-05	701601-09	782006
442001-04	610001-08	701101-05	701606-10	886001-01
442101-09	630001-12	701201-05	701701-10	886006-01
442201-03	630201-07	701321-17	701801-06	BLR 21-9
482001-02	630301-09	701326-04	701901-08	

GENERAL NOTES

1.

THIS CONTRACT CONTAINS TWO SEPARATE SETS OF PLANS.

A.

PLAN SET 1 OF 2 - SOUTH SECTION 82-(3,2)RS IS FROM IL 15 TO JUST NORTH OF I-64

B.

PLAN SET 2 OF 2 - NORTH SECTION 82-1RS IS FROM JUST NORTH OF I-64 TO COLLINSVILLE ROAD

2.

PLAN SET 2 OF 2 SHALL BE CONSTRUCTED FIRST.

3.

THE CONTRACTOR SHALL BE AWARE THAT THE PLAN SHEET SCALES ARE DIFFERENT IN EACH SET.

PLAN SET 1 OF 2 - SOUTH SECTION PLAN SHEETS ARE AT 1" = 100' SCALE

PLAN SET 2 OF 2 - NORTH SECTION PLAN SHEETS ARE AT 1" = 50' SCALE

3.

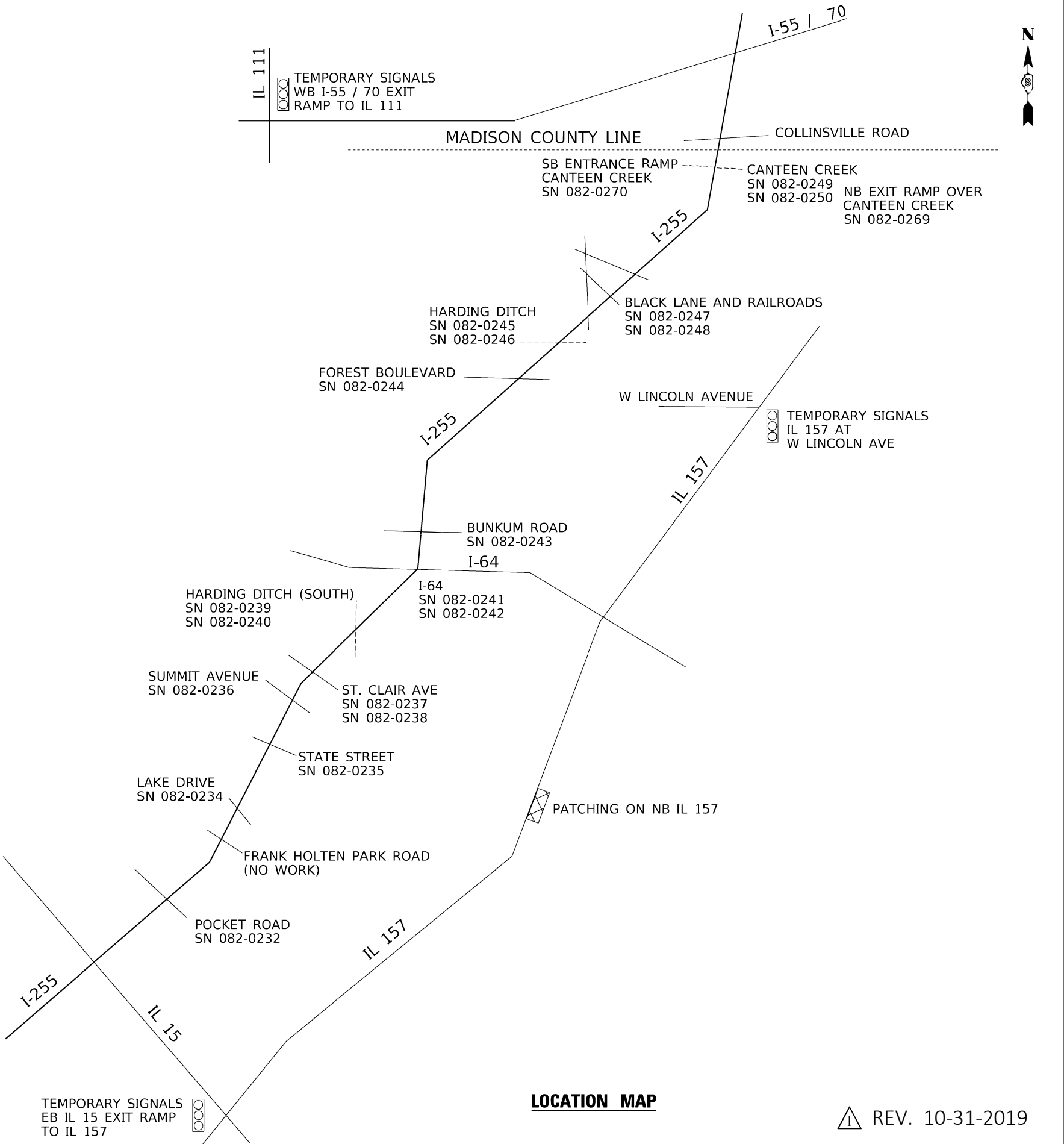
ANY REFERENCE TO POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90 IN THE PLANS SHALL MEAN POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90.
4.

ANY REFERENCE TO POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80 IN THE PLANS SHALL MEAN POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "E", N80.
5.

ANY REFERENCE TO POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90 IN THE PLANS SHALL MEAN POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N90

COMMITMENTS

NONE



LOCATION MAP

REV. 10-31-2019

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/29/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES,
COMMITMENTS, AND LOCATION MAP

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS	ST. CLAIR	623	2
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

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					CONSTRUCTION CODE	
					90% FEDERAL / 10% STATE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN		
				ROADWAY	BRIDGE	
				0005	0013	
				URBAN	URBAN	
*	X5060611	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 10	L SUM	1		1
*	X5060612	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 11	L SUM	1		1
*	X5060614	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 14	L SUM	1		1
*	X5060615	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 15	L SUM	1		1
*	Z0007123	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 12	L SUM	1		1
*	Z0007117	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 16	L SUM	1		1
*	Z0007128	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 17	L SUM	1		1
*	Z0007119	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 18	L SUM	1		1
*	Z0007130	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 19	L SUM	1		1
*	X1400384	LIGHT POLE, ALUMINUM, 45 FT., 2-8 FT. MAST ARMS	EACH	68	68	
	X2500005	CLEANING AND PAINTING ALUMINUM RAILING	L SUM	1		1
	20200100	EARTH EXCAVATION	CU YD	3070	3070	
	20300100	CHANNEL EXCAVATION	CU YD	2616		2616
	20800150	TRENCH BACKFILL	CU YD	78	78	
	25000210	SEEDING, CLASS 2A	ACRE	0.9	0.9	

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 25 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)R5	ST. CLAIR	623	3
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

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REV. - MS

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FEDERAL / 10% STATE	
				ROADWAY	BRIDGE
				0005 URBAN	0013 URBAN
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	80	80	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	80	80	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	80	80	
25100115	MULCH, METHOD 2	ACRE	0.9	0.9	
25100630	EROSION CONTROL BLANKET	SQ YD	2314	2314	
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	1814	1814	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	259	259	
28000400	PERIMETER EROSION BARRIER	FOOT	12940	12940	
28000500	INLET AND PIPE PROTECTION	EACH	53	53	
28100105	STONE RIPRAP, CLASS A3	SQ YD	12962	12388	574
28100107	STONE RIPRAP, CLASS A4	SQ YD	2836		2836
28200200	FILTER FABRIC	SQ YD	15784	12388	3396
35100100	AGGREGATE BASE COURSE, TYPE A	TON	1325	1325	
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	3889	3889	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2765	2765	

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REV. - MS

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		DATE -	REVISED -		SCALE:	SHEET 2	OF 25 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FEDERAL / 10% STATE	
				ROADWAY	BRIDGE
				0005	0013
				URBAN	URBAN
44004250	PAVED SHOULDER REMOVAL	SQ YD	14823	14823	
44200050	WELDED WIRE REINFORCEMENT	SQ YD	1850	1850	
44200525	CLASS A PATCHES, TYPE I, 8 INCH	SQ YD	50	50	
44200529	CLASS A PATCHES, TYPE II, 8 INCH	SQ YD	100	100	
44200533	CLASS A PATCHES, TYPE III, 8 INCH	SQ YD	200	200	
44200535	CLASS A PATCHES, TYPE IV, 8 INCH	SQ YD	160	160	
44200537	CLASS A PATCHES, TYPE I, 9 INCH	SQ YD	650	650	
44200541	CLASS A PATCHES, TYPE II, 9 INCH	SQ YD	1300	1300	
44200545	CLASS A PATCHES, TYPE III, 9 INCH	SQ YD	2550	2550	
44200547	CLASS A PATCHES, TYPE IV, 9 INCH	SQ YD	1900	1900	
44200549	CLASS A PATCHES, TYPE I, 10 INCH	SQ YD	580	580	
44200553	CLASS A PATCHES, TYPE II, 10 INCH	SQ YD	1160	1160	
44200557	CLASS A PATCHES, TYPE III, 10 INCH	SQ YD	2320	2320	
44200559	CLASS A PATCHES, TYPE IV, 10 INCH	SQ YD	1800	1800	

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		DRAWN -	REVISED -					255	82-(3,2,1)R5	ST. CLAIR	623	7
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	PLOT DATE = 8/14/2019	DATE -	REVISED -		SCALE:	SHEET 5	OF 25 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FEDERAL / 10% STATE	
				ROADWAY	BRIDGE
				0005	0013
				URBAN	URBAN
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	760	760	
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	1000	1000	
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	760	760	
44201007	CLASS B PATCHES, TYPE II, 13 INCH	SQ YD	14	14	
44201013	CLASS B PATCHES, TYPE IV, 13 INCH	SQ YD	87	87	
44201299	DOWEL BARS 1 1/2"	EACH	2800	2800	
44213000	PATCHING REINFORCEMENT	SQ YD	12770	12770	
44213200	SAW CUTS	FOOT	67968	67968	
44213204	TIE BARS 3/4"	EACH	1010	1010	
45200300	JOINT OR CRACK FILLING	POUND	2100		2100
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1727	1727	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2698	2698	
48203033	HOT-MIX ASPHALT SHOULDERS, 9"	SQ YD	2161	2161	
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SQ YD	4621	4621	

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		DATE -	REVISED -		SCALE:	SHEET 6	OF 25 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FEDERAL / 10% STATE	
				ROADWAY	BRIDGE
				0005	0013
				URBAN	URBAN
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	241	241	
542A2749	PIPE CULVERTS, CLASS A, TYPE 4 24"	FOOT	12	12	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	6	6	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	5	5	
54262712	METAL FLARED END SECTIONS 12"	EACH	41	41	
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	55660		55660
58700300	CONCRETE SEALER	SQ FT	23057		23057
59200103	BRIDGE WASHING NO. 3	EACH	1		1
59200108	BRIDGE WASHING NO. 8	EACH	1		1
59200109	BRIDGE WASHING NO. 9	EACH	1		1
59200110	BRIDGE WASHING NO. 10	EACH	1		1
59200111	BRIDGE WASHING NO. 11	EACH	1		1
59200112	BRIDGE WASHING NO. 12	EACH	1		1
59200113	BRIDGE WASHING NO. 13	EACH	1		1
59200114	BRIDGE WASHING NO. 14	EACH	1		1

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 9 OF 25 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)R5	ST. CLAIR	623	11
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				90% FEDERAL / 10% STATE	
				ROADWAY	BRIDGE
				0005 URBAN	0013 URBAN
59200115	BRIDGE WASHING NO. 15	EACH	1		1
59200116	BRIDGE WASHING NO. 16	EACH	1		1
59200117	BRIDGE WASHING NO. 17	EACH	1		1
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	208.4		208.4
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	347	347	
60100070	SHOULDER REMOVAL AND REPLACEMENT	FOOT	199161	199161	
60100945	PIPE DRAINS 12"	FOOT	3045	3045	
60108106	PIPE UNDERDRAINS, TYPE 1, 6"	FOOT	197756	197756	
60108300	PIPE UNDERDRAINS 8" (SPECIAL)	FOOT	11335	11335	
60237420	INLETS, TYPE A, TYPE 20 FRAME AND GRATE	EACH	1	1	
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1	
60260100	INLETS TO BE ADJUSTED	EACH	16	16	
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	144	144	
60500060	REMOVING INLETS	EACH	58	58	
60600605	CONCRETE CURB, TYPE B	FOOT	5569	5539	30

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	PLOT DATE = 8/14/2019	CHECKED -	REVISED -		CONTRACT NO. 76E13						
		DATE -	REVISED -		SCALE:	SHEET 10 OF 25 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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				CONSTRUCTION CODE		
				90% FEDERAL / 10% STATE		
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN		
				ROADWAY	BRIDGE	
				0005	0013	
				URBAN	URBAN	
*	73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	62	62	
*	73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	33	33	
*	73500005	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	1	1	
*	73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	10	10	
*	73800905	REMOVE AND RE-ERECT OVERHEAD SIGN STRUCTURE WALKWAY	FOOT	123	123	
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8293	8293	
*	78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	1199	1199	
*	78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	265702	265702	
*	78003140	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 8"	FOOT	25611	25611	
*	78003150	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 12"	FOOT	1060	1060	
*	78003180	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"	FOOT	180	180	
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	4698	4698	
*	78100300	REPLACEMENT REFLECTOR	EACH	32	32	
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	602	602	
*						

URBAN

TOTAL QUANTITY

ROADWAY

BRIDGE

0005

0013

URBAN

URBAN

1

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REV. - MS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 15 OF 25 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)R5	ST. CLAIR	623	17
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN	
				ROADWAY	BRIDGE
				0005	0013
				URBAN	URBAN
*	X7800200	PAINT PAVEMENT MARKING CURB	FOOT	260	260
*	X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	1086	1086
					1
*	X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	271867	271867
*	X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	25611	25611
*	X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	1060	1060
*	X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	180	180
	X8140210	HEAVY-DUTY HANDHOLE (SPECIAL)	EACH	4	4
*	X8360103	LIGHT POLE FOUNDATION, INTEGRAL WITH BARRIER WALL	EACH	67	67
*	X8630103	CONTROLLER CABINET TYPE III, SPECIAL	EACH	1	1
*	X8730810	ELECTRIC CABLE IN CONDUIT, CONOGA-30003	FOOT	1940	1940
	X8780107	CONCRETE FOUNDATION (SPECIAL)	FOOT	3.5	3.5
*	X8860400	DETECTOR LOOP, SPECIAL	FOOT	660	660
	X8900100	TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)	EACH	3	3
	Z0001495	BRIDGE APPROACH SHOULDER REMOVAL	SQ YD	762	762

* SPECIALTY ITEM

	USER NAME = owenbj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						255	82-(3,2,1)R5	ST. CLAIR	623	23
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 76E13				
	PLOT DATE = 8/14/2019	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				
									SCALE:	SHEET 21	OF 25 SHEETS	STA.	TO STA.

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SET 1 OF 2 SETS
INDEX OF SHEETS

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2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND MIXTURES TABLE
3-4	GENERAL NOTES
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27-31	TYPICAL SECTIONS – PROPOSED
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* 62-67	EROSION CONTROL SHEETS
68-75	REMOVAL SHEETS
76-84	PAVEMENT MARKING AND SIGN SHEETS
85-92	GUARDRAIL PLANS
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95-96	STATE STREET RAMP DETAILS
97-102	OVERLAY TRANSITION DETAILS
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106-110	GORE AREA DETAILS
111	MEDIAN INLET DETAILS
112-113	ATR SITE DETAILS
114	MISCELLANEOUS DETAILS
115-157	LIGHTING PLANS
158-187	SIGNING PLANS
188-196	STRUCTURE PLANS (SN 082-0232)
197-223	STRUCTURE PLANS (SN 082-0234)
224-235	STRUCTURE PLANS (SN 082-0235)
236-244	STRUCTURE PLANS (SN 082-0236)
245-256	STRUCTURE PLANS (SN 082-02370238)
257-271	STRUCTURE PLANS (SN 082-02390240)
272-280	STRUCTURE PLANS (SN 082-02410242)

* INCLUDES SHEET 67A - DRAINAGE SHEET

MIXTURES TABLE

LOCATION	FAI 255 AND RAMPS	FAI 255 ML	RAMPS	FAI 255 AND RAMPS	FAI 255 AND RAMPS	PATCHES	PATCHES
MIXTURE USE	POLY SURFACE	BRIDGE DECK	POLY BINDER	SHOULDERS >= 2.25"	SHOULDERS < 2.25"	PATCHING	PARTIAL DEPTH PATCHING
THICKNESS	2"	1 1/2"	SEE TYPICALS	SEE TYPICALS	SEE TYPICALS	SEE PAY ITEM	SEE PAY ITEM
AC/PG	SBS PG 76-22	SBS PG 76-22	SBS 76-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE BDE SPECIAL PROVISIONS	SEE BDE SPECIAL PROVISIONS	SEE BDE SPECIAL PROVISIONS	SEE BDE SPECIAL PROVISIONS	SEE BDE SPECIAL PROVISIONS	SEE BDE SPECIAL PROVISIONS	SEE BDE SPECIAL PROVISIONS
DESIGN AIR VOIDS	4.0% @ Ndes = 80	4.0% @ Ndes = 90	4.0% @ Ndes = 90	4.0% @ Ndes = 30	4.0% @ Ndes = 30	4.0% @ Ndes = 90	4.0% @Ndes = 90
MIX COMPOSITION	IL 12.5	IL 9.5	IL 9.5 FG	IL 19.0L	IL 9.5L	IL 19.0	IL 9.5
FRICTION AGG	SMA "E"	MIXTURE "E"	MIXTURE "C"			MIXTURE "B"	MIXTURE "C"
QUALITY MANAGEMENT PROGRAM	PFP	QC/QA	OCP	OCP•	OCP•	QC/QA	QC/QA

• OCP ON SHOULDER >= 8' WIDE. QC/QA ON SHOULDER < 8' WIDE.

HIGHWAY STANDARDS

000001-07	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
420001-09	PAVEMENT JOINTS
420101-06	24' (7.2 m) JOINTED PCC PAVEMENT
421001-03	BAR REINFORCEMENT FOR CRC PAVEMENT
421106-10	36' (10.8 m) CRC PAVEMENT
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424031-02	MEDIAN PEDESTRIAN CROSSINGS
442001-04	CLASS A PATCHES
442101-09	CLASS B PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606101-05	TYPE A GUTTER (INLET, OUTLET & ENTRANCE)
606301-04	PC CONCRETE ISLANDS AND MEDIANS
610001-08	SHOULDER INLET WITH CURB
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631026-06	TRAFFIC BARRIER TERMINAL, TYPE 5
631031-15	TRAFFIC BARRIER TERMINAL, TYPE 6
631033-07	TRAFFIC BARRIER TERMINAL, TYPE 6B
635001-02	DELINEATORS
637006-04	CONCRETE BARRIER, DOUBLE FACE, 44 IN. (1065 mm) HEIGHT
642001-02	SHOULDER RUMBLE STRIP 16 IN.
701321-17	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701446-09	TWO LANE CLOSURE FREEWAY/EXPRESSWAY
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701456-05	PARTIAL EXIT RAMP CLOSURE FREEWAY/EXPRESSWAY
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	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 & DELINEATORS
720021-02	SIGN PANELS EXTRUDED ALUMINUM TYPE
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001-01	PRISMATIC CURB REFLECTORS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS
BLR 21-9	TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

REV. 10-31-2019

MODEL: Default
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INDEX OF SHEETS, HIGHWAY STANDARDS, AND PAVEMENT DESIGN

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

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82(3,2)RS	ST. CLAIR	280	2
CONTRACT NO. 76E13				
		ILLINOIS	FED. AID PROJECT	

Model: Default
File Name: I:\017023\17025_002\CADD\Microstation\CADD Drawings\0876E13-rht-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES												
				ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 SN 082-0238 (ST. CLAIR AVE)	SN 082-0239 SN 082-0240 (HARD. DITCH)	SN 082-0241 SN 082-0242 (I-64)					
				0005	0013	0013	0013	0013	0013	0013	0013					
20200100	EARTH EXCAVATION	CU YD	2,150	800	2,150	800										
20300100	CHANNEL EXCAVATION	CU YD	2,616							2,616						
20800150	TRENCH BACKFILL	CU YD	78	78												
25000210	SEEDING, CLASS 2A	ACRE	0.4	0.4												
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	36	36												
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	36	36												
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	36	36												
25100115	MULCH, METHOD 2	ACRE	0.4	0.4												
28000400	PERIMETER EROSION BARRIER	FOOT	483	483												
28000500	INLET AND PIPE PROTECTION	EACH	7	7												
28100105	STONE RIPRAP, CLASS A3	SQ YD	5,074	5,000				57			17					
28100107	STONE RIPRAP, CLASS A4	SQ YD	2,642							2,642						
28200200	FILTER FABRIC	SQ YD	7,702	5,000				57		2,642	3					
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	3,889	3,889												
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2,765	2,765												
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	82,688	82,688												

NOTES: * - SPECIALTY ITEM

REV. 10-31-2019



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SET 1 SUMMARY OF QUANTITIES


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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	5
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: I:\17025\17025_002\CADD\Microstation\CADD Drawings\0876613-rht-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES									
				ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 SN 082-0238 (ST CLAIR AVE)	SN 082-0239 SN 082-0240 (HARD. DITCH)	SN 082-0241 SN 082-0242 (I-64)		
				0005	0013	0013	0013	0013	0013	0013	0013		
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	322	322									
44000300	CURB REMOVAL	FOOT	6,166	6,166									
44000400	GUTTER REMOVAL	FOOT	4,147	4,147									
44000600	SIDEWALK REMOVAL	SQ FT	918	305		613							
44001980	CONCRETE BARRIER REMOVAL	FOOT	32,184	32,184									
44004250	PAVED SHOULDER REMOVAL	SQ YD	4,198 4,501	4,198 4,501									
44200050	WELDED WIRE REINFORCEMENT	SQ YD	1,240	1,240									
44200525	CLASS A PATCHES, TYPE I, 8 INCH	SQ YD	30	30									
44200529	CLASS A PATCHES, TYPE II, 8 INCH	SQ YD	60	60									
44200533	CLASS A PATCHES, TYPE III, 8 INCH	SQ YD	120	120									
44200535	CLASS A PATCHES, TYPE IV, 8 INCH	SQ YD	100	100									
44200537	CLASS A PATCHES, TYPE I, 9 INCH	SQ YD	650	650									
44200541	CLASS A PATCHES, TYPE II, 9 INCH	SQ YD	1,300	1300									
44200545	CLASS A PATCHES, TYPE III, 9 INCH	SQ YD	2,550	2550									

NOTES: * - SPECIALTY ITEM

 REV. 10-31-2019



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SET 1 SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	7
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: I:\01\170231\17025_002\CADD\Microstation\CADD Drawings\0876E13-rht-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES									
				ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 SN 082-0238 (ST CLAIR AVE)	SN 082-0239 SN 082-0240 (HARD. DITCH)	SN 082-0241 SN 082-0242 (I-64)		
				0005	0013	0013	0013	0013	0013	0013	0013		
52000110	PREFORMED JOINT STRIP SEAL	FOOT	1,232		76	182	294	320	360				
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	241	241									
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	6	6									
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	17,847			2,159	2,434	2,634	6,131	4,489			
58700300	CONCRETE SEALER	SQ FT	16,344			4,768	2,274	2,487	6,815				
59200103	BRIDGE WASHING NO. 3	EACH	1				1						
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	7							3	4		
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	204	204									
60100070	SHOULDER REMOVAL AND REPLACEMENT	FOOT	114,361	114,361									
60100945	PIPE DRAINS 12"	FOOT	692	692									
60108106	PIPE UNDERDRAINS, TYPE 1, 6"	FOOT	115,456	115,456									
60237420	INLETS, TYPE A, TYPE 20 FRAME AND GRATE	EACH	1	1									
60108300	PIPE UNDERDRAINS 8" (SPECIAL)	FOOT	6,880	6,880									
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	144	144									
60500060	REMOVING INLETS	EACH	16	16									
60600605	CONCRETE CURB, TYPE B	FOOT	5,569	5,539							30		

NOTES: * - SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SET 1 SUMMARY OF QUANTITIES

SCALE: SHEET 6 OF 17 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	10
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

Model: Default
File Name: I:\17025\17025_002\CADD\Microstation\CADD Drawings\0876E13-rht-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES									
				ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 SN 082-0238 (ST CLAIR AVE)	SN 082-0239 SN 082-0240 (HARD. DITCH)	SN 082-0241 SN 082-0242 (I-64)		
				0005	0013	0013	0013	0013	0013	0013	0013		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	384	384									
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	127	127									
70400100	TEMPORARY CONCRETE BARRIER	FOOT	961			961							
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	961			961							
70600240	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2			2							
70600340	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2			2							
72000300	SIGN PANEL - TYPE 3	SQ FT	4,659	4,659									
72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	4,766	4,766									
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	22	22									
73000100	WOOD SIGN SUPPORT	FOOT	68	68									
73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	4	4									
73800905	REMOVE AND RE-ERECT OVERHEAD SIGN STRUCTURE WALKWAY	FOOT	65	65									
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2,233	2,233									
78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	659	658	659	658							

659 658 659 658 11

NOTES: * - SPECIALTY ITEM

REV. 10-31-2019



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SET 1 SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	13
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

Model: Default
File Name: I:\01\17025\17025_002\CADD\Microstation\CADD Drawings\0876613-rht-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES									
				ROADWAY	SN 082-0232 (POCKET ROAD)	SN 082-0234 (LAKE DRIVE)	SN 082-0235 (STATE STREET)	SN 082-0236 (SUMMIT AVE)	SN 082-0237 SN 082-0238 (ST CLAIR AVE)	SN 082-0239 SN 082-0240 (HARD. DITCH)	SN 082-0241 SN 082-0242 (I-64)		
				0005	0013	0013	0013	0013	0013	0013	0013		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0.5	0.5									
X7010218	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	EACH	4	4									
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1		1								
X7200085	REPLACE AND TIGHTEN SIGN MOUNTING CLIPS PER EACH SIGN	EACH	12	12									
X7330066	REPAIR HANDRAIL LOCKING PIN CONNECTION	EACH	41	41									
X7330069	TIGHTEN END SUPPORT CONNECTION	EACH	4	4									
X7330112	SAFETY CHAIN	EACH	16	16									
X7800200	PAINT PAVEMENT MARKING CURB	FOOT	65	65									
X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	496	496									
X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	158,078	158,078									
X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	13,169	13,169									
X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	443	443									
X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	94	94									
X8140210	HEAVY-DUTY HANDHOLE (SPECIAL)	EACH	4	4									
X8360103	LIGHT POLE FOUNDATION, INTEGRAL WITH BARRIER WALL	EACH	67	67									

NOTES: * - SPECIALTY ITEM

REV. 10-31-2019



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PLOT DATE = 8/14/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SET 1 SUMMARY OF QUANTITIES

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

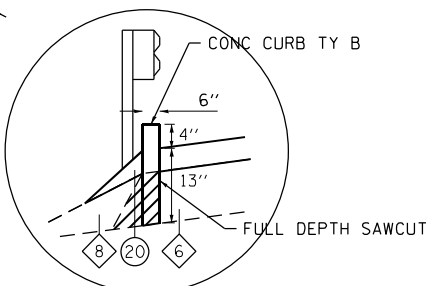
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	18
CONTRACT NO. 76E13				
		ILLINOIS	FED. AID PROJECT	

TYPICAL SECTION LEGEND

- 1 EXISTING C.R.P.C.C. PAVEMENT - 8"
- 2 EXISTING C.R.P.C.C. PAVEMENT - 9"
- 3 EXISTING C.R.P.C.C. PAVEMENT - 10"
- 4 EXISTING P.C.C. PAVEMENT - 10"
- 5 EXISTING BITUMINOUS SHOULDERS - 8"
- 6 EXISTING BITUMINOUS SHOULDERS - 9"
- 7 EXISTING BITUMINOUS SHOULDERS - 10"
- 8 EXISTING AGGREGATE SHOULDERS, TYPE B
- 9 EXISTING STABILIZED SUB-BASE - 4"
- 10 EXISTING GRANULAR MATERIAL SUB-BASE - 5"
- 11 EXISTING PIPE UNDERDRAINS - 4"
- 12 EXISTING CONCRETE BARRIER
- 13 EXISTING CONCRETE GUTTER - 6"
- 14 EXISTING CONCRETE MEDIAN SURFACE - 4"
- 15 EXISTING COMB. CONC. CURB AND GUTTER B-9.24
- 16 PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (UPPER LIFT)
- 17 PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (LOWER LIFT)
- 18 PROPOSED POLY HOT-MIX ASPHALT BINDER, IL-9.5FG, N90, 1.25"
- 19 PROPOSED HOT-MIX ASPHALT SHOULDERS
- 20 PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- 21 PROPOSED PIPE UNDERDRAINS - 4"
- 22 PROPOSED CONCRETE BARRIER, DOUBLE FACE, 44"
- 23 PROPOSED CONCRETE BARRIER, SINGLE FACE, 44"
- 24 PROPOSED CONCRETE BARRIER BASE, 8" SPL
- 25 PROPOSED AGGREGATE BASE COURSE, TYPE B 4"
- 26 PROPOSED CONCRETE GUTTER, TYPE A SPL
- 27 PROPOSED BITUMINOUS MATERIAL TACK COAT
- 28 PROPOSED POLY BITUMINOUS MATERIAL TACK COAT
- 29 PROPOSED AGGREGATE SHOULDERS, TYPE B

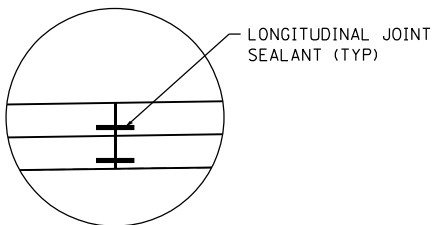
REMOVAL LEGEND

 PAVED SHOULDER REMOVAL



DETAIL A

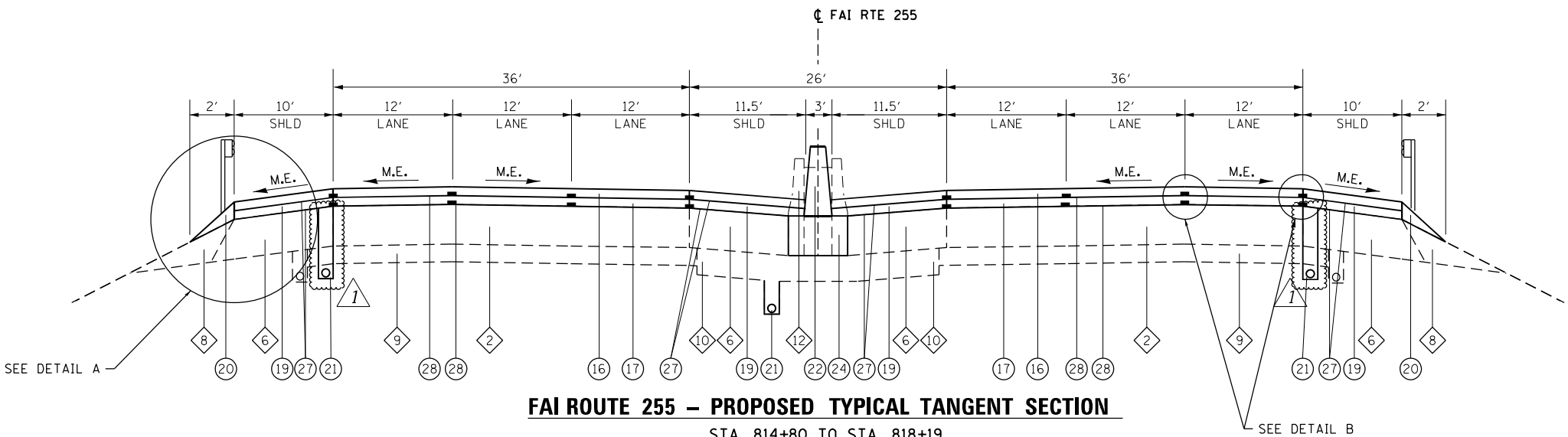
STA. 895+00 TO STA. 918+67 LT
STA. 935+90 TO STA. 943+40 RT
STA. 948+17 TO STA. 1004+67 LT



DETAIL B

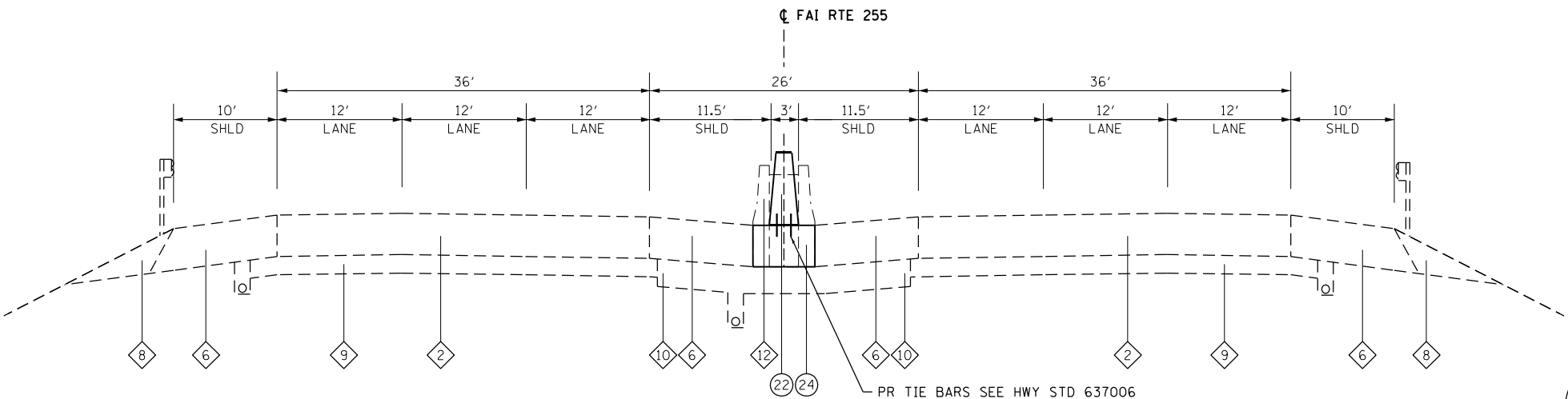
TYPICAL FOR ENTIRE PROJECT

REV. 10-31-2019



FAI ROUTE 255 - PROPOSED TYPICAL TANGENT SECTION

STA. 814+80 TO STA. 818+19
BRIDGE OMISSION STA. 818+19 TO STA. 820+69 (IL ROUTE 15)
STA. 820+69 TO STA. 853+91
STA. 892+75 TO STA. 918+75
BRIDGE OMISSION STA. 918+75 TO STA. 920+43 (STATE ST.)
STA. 920+43 TO STA. 934+37
BRIDGE OMISSION STA. 934+37 TO STA. 936+09 (SUMMIT AVE.)



FAI ROUTE 255 - PROPOSED TYPICAL TANGENT SECTION

STA. 810+78 TO STA. 814+80

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
FAI ROUTE 255

SCALE: NTS SHEET 1 OF 5 SHEETS STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-3.2)RS	ST. CLAIR	280	27
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

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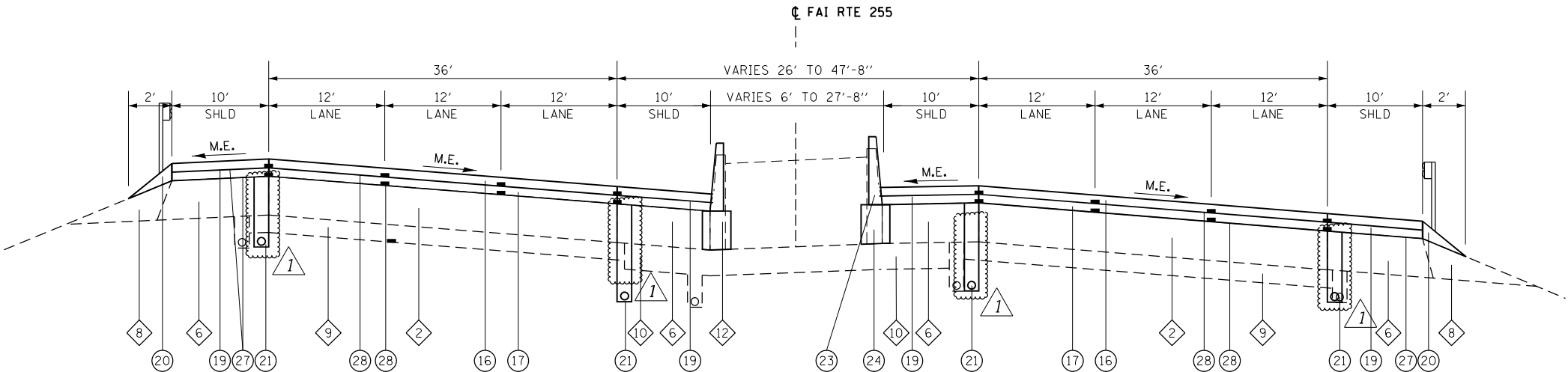
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	DATE -	REVISED -

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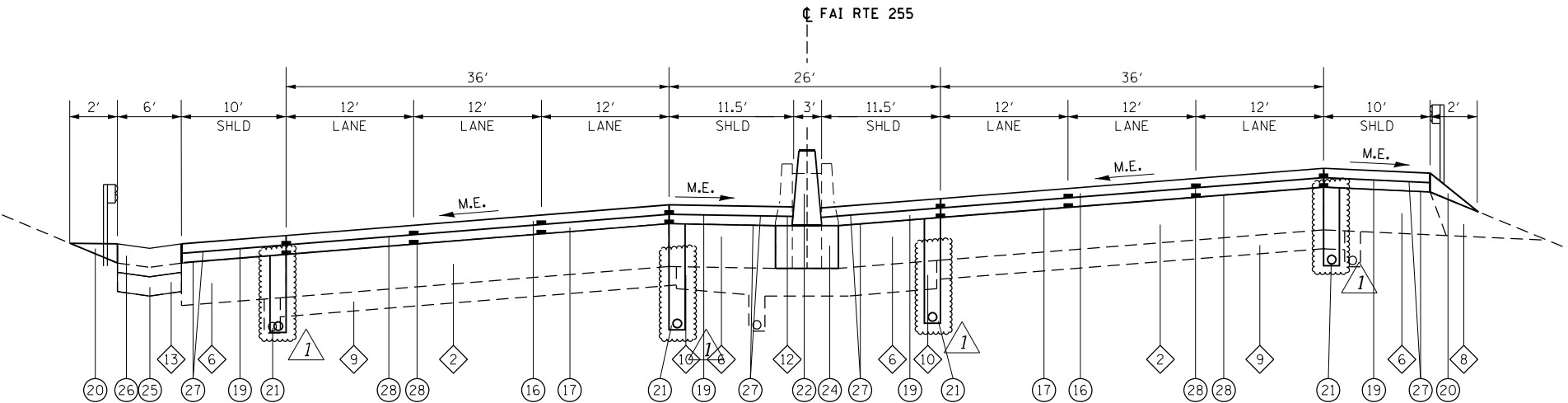
TYPICAL SECTION LEGEND

- 1 EXISTING C.R.P.C.C. PAVEMENT - 8"
- 2 EXISTING C.R.P.C.C. PAVEMENT - 9"
- 3 EXISTING C.R.P.C.C. PAVEMENT - 10"
- 4 EXISTING P.C.C. PAVEMENT - 10"
- 5 EXISTING BITUMINOUS SHOULDERS - 8"
- 6 EXISTING BITUMINOUS SHOULDERS - 9"
- 7 EXISTING BITUMINOUS SHOULDERS - 10"
- 8 EXISTING AGGREGATE SHOULDERS, TYPE B
- 9 EXISTING STABILIZED SUB-BASE - 4"
- 10 EXISTING GRANULAR MATERIAL SUB-BASE - 5"
- 11 EXISTING PIPE UNDERDRAINS - 4"
- 12 EXISTING CONCRETE BARRIER
- 13 EXISTING CONCRETE GUTTER - 6"
- 14 EXISTING CONCRETE MEDIAN SURFACE - 4"
- 15 EXISTING COMB. CONC. CURB AND GUTTER B-9.24
- 16 PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (UPPER LIFT)
- 17 PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (LOWER LIFT)
- 18 PROPOSED POLY HOT-MIX ASPHALT BINDER, IL-9.5FG, N90, 1.25"
- 19 PROPOSED HOT-MIX ASPHALT SHOULDERS
- 20 PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- 21 PROPOSED PIPE UNDERDRAINS - 4"
- 22 PROPOSED CONCRETE BARRIER, DOUBLE FACE, 44"
- 23 PROPOSED CONCRETE BARRIER, SINGLE FACE, 44"
- 24 PROPOSED CONCRETE BARRIER BASE, 8" SPL
- 25 PROPOSED AGGREGATE BASE COURSE, TYPE B 4"
- 26 PROPOSED CONCRETE GUTTER, TYPE A SPL
- 27 PROPOSED BITUMINOUS MATERIAL TACK COAT
- 28 PROPOSED POLY BITUMINOUS MATERIAL TACK COAT
- 29 PROPOSED AGGREGATE SHOULDERS, TYPE B



FAI ROUTE 255 – PROPOSED TYPICAL SUPERELEVATED SECTION

STA. 936+09 TO STA. 943+29
BRIDGE OMISSION STA. 943+29 TO STA. 948+27 (ST. CLAIR AVE.)



FAI ROUTE 255 – PROPOSED TYPICAL SUPERELEVATED SECTION

STA. 853+91 TO STA. 892+74

REV. 10-31-2019

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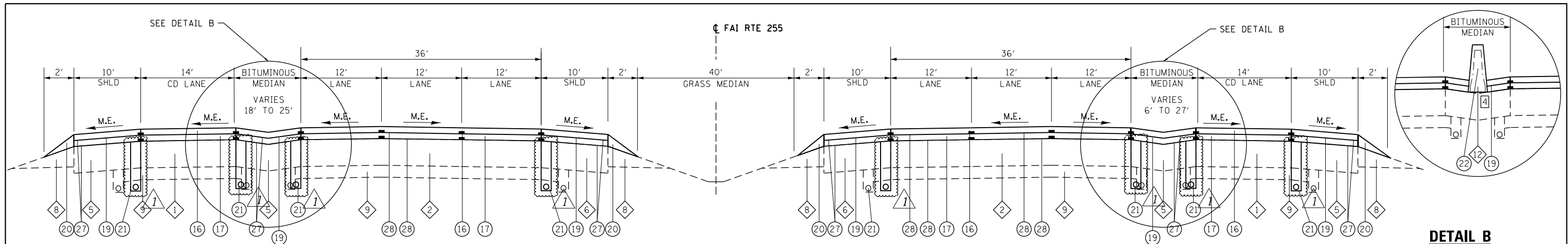


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS FAI ROUTE 255			
SCALE: NTS	SHEET 2	OF 5 SHEETS	STA. TO STA.

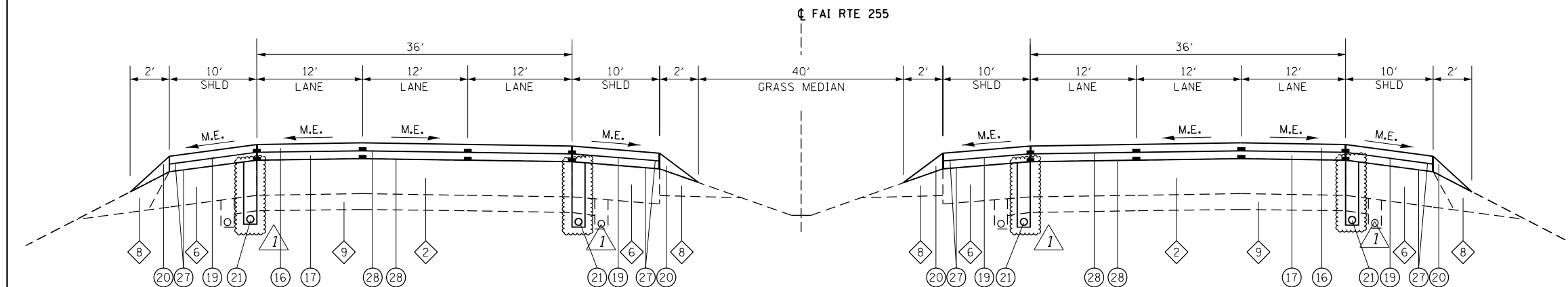
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-3.2RS	ST. CLAIR	280	28
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



FAI ROUTE 255 - PROPOSED TYPICAL TANGENT SECTION (CD)

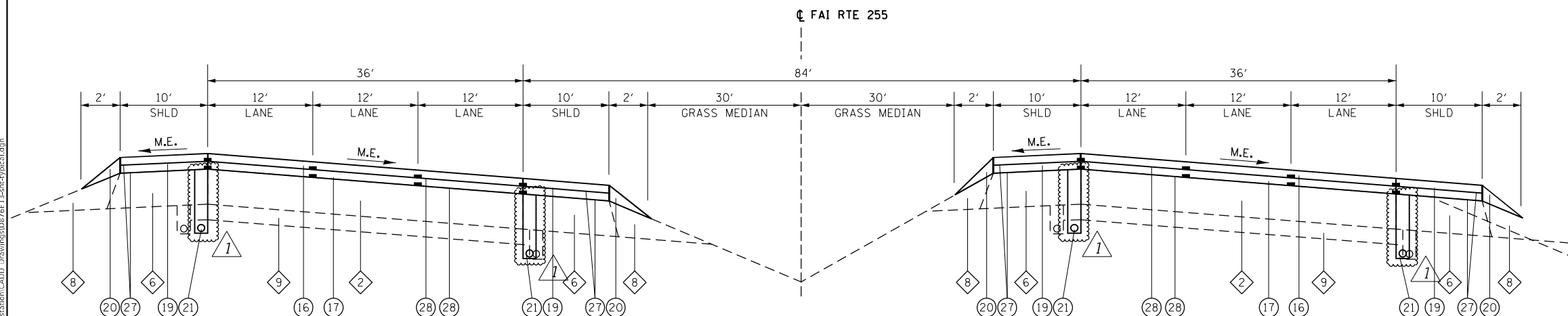
STA. 1014+38 TO STA. 1024+40 (EXCLUDES NB CD LANE)
BRIDGE OMISSION STA. 1019+36 TO STA. 1022+12 (HARDING DITCH - NB)
BRIDGE OMISSION STA. 1021+24 TO STA. 1024+00 (HARDING DITCH - SB)
STA. 1024+40 TO STA. 1029+78

DETAIL B
NB STA. 1027+75 TO STA. 1064+50
SB STA. 1027+15 TO STA. 1064+50



FAI ROUTE 255 - PROPOSED TYPICAL TANGENT SECTION

NB STA. 1004+40 TO STA. 1014+38
SB STA. 1003+90 TO STA. 1014+38



FAI ROUTE 255 - PROPOSED TYPICAL SUPERELEVATED SECTION

NB STA. 948+37 TO STA. 1004+40
SB STA. 948+27 TO STA. 1003+90

TYPICAL SECTION NOTES

4 8" CONCRETE BARRIER BASE. RE WILL DETERMINE EXTENT OF REPLACEMENT, IF ANY.

TYPICAL SECTION LEGEND

- 1 EXISTING C.R.P.C.C. PAVEMENT - 8"
- 2 EXISTING C.R.P.C.C. PAVEMENT - 9"
- 3 EXISTING C.R.P.C.C. PAVEMENT - 10"
- 4 EXISTING P.C.C. PAVEMENT - 10"
- 5 EXISTING BITUMINOUS SHOULDERS - 8"
- 6 EXISTING BITUMINOUS SHOULDERS - 9"
- 7 EXISTING BITUMINOUS SHOULDERS - 10"
- 8 EXISTING AGGREGATE SHOULDERS, TYPE B
- 9 EXISTING STABILIZED SUB-BASE - 4"
- 10 EXISTING GRANULAR MATERIAL SUB-BASE - 5"
- 11 EXISTING PIPE UNDERDRAINS - 4"
- 12 EXISTING CONCRETE BARRIER
- 13 EXISTING CONCRETE GUTTER - 6"
- 14 EXISTING CONCRETE MEDIAN SURFACE - 4"
- 15 EXISTING COMB. CONC. CURB AND GUTTER B-9.24
- 16 PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (UPPER LIFT)
- 17 PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (LOWER LIFT)
- 18 PROPOSED POLY HOT-MIX ASPHALT BINDER, IL-9.5FG, N90, 1.25"
- 19 PROPOSED HOT-MIX ASPHALT SHOULDERS
- 20 PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- 21 PROPOSED PIPE UNDERDRAINS - 4"
- 22 PROPOSED CONCRETE BARRIER, DOUBLE FACE, 44"
- 23 PROPOSED CONCRETE BARRIER, SINGLE FACE, 44"
- 24 PROPOSED CONCRETE BARRIER BASE, 8" SPL
- 25 PROPOSED AGGREGATE BASE COURSE, TYPE B 4"
- 26 PROPOSED CONCRETE GUTTER, TYPE A SPL
- 27 PROPOSED BITUMINOUS MATERIAL TACK COAT
- 28 PROPOSED POLY BITUMINOUS MATERIAL TACK COAT
- 29 PROPOSED AGGREGATE SHOULDERS, TYPE B

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
FAI ROUTE 255

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

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-3.2(RS)	ST. CLAIR	280	29
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTION NOTES

- 1
- EXISTING MEDIAN BARRIER ALONG COLLECTOR-DISTRIBUTOR ROADWAY HAS 8" CONCRETE BARRIER BASE, RE WILL DETERMINE EXTENT OF REPLACEMENT, IF ANY.
- 2
- EXISTING HMA OVERLAY

REMOVAL LEGEND

HMA SURFACE REMOVAL 4"

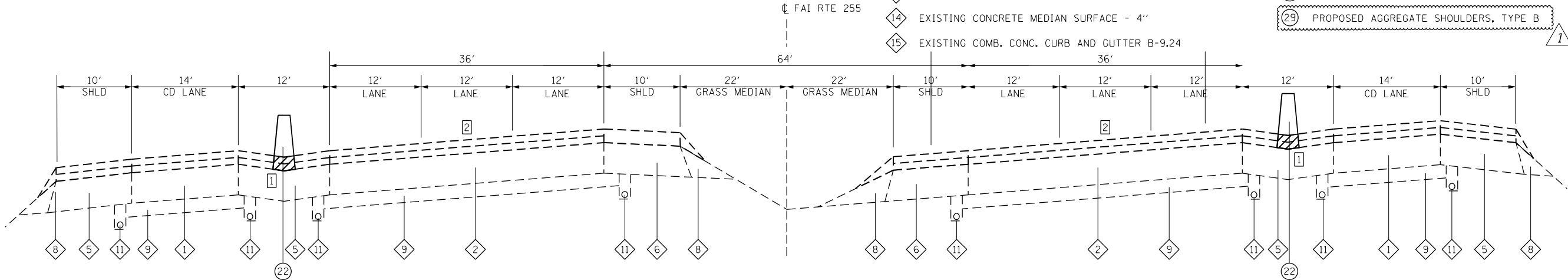
TYPICAL SECTION LEGEND

- 1
- EXISTING C.R.P.C.C. PAVEMENT - 8"
- 2
- EXISTING C.R.P.C.C. PAVEMENT - 9"
- 3
- EXISTING C.R.P.C.C. PAVEMENT - 10"
- 4
- EXISTING P.C.C. PAVEMENT - 10"
- 5
- EXISTING BITUMINOUS SHOULDERS - 8"
- 6
- EXISTING BITUMINOUS SHOULDERS - 9"
- 7
- EXISTING BITUMINOUS SHOULDERS - 10"
- 8
- EXISTING AGGREGATE SHOULDERS, TYPE B
- 9
- EXISTING STABILIZED SUB-BASE - 4"
- 10
- EXISTING GRANULAR MATERIAL SUB-BASE - 5"
- 11
- EXISTING PIPE UNDERDRAINS - 4"
- 12
- EXISTING CONCRETE BARRIER
- 13
- EXISTING CONCRETE GUTTER - 6"
- 14
- EXISTING CONCRETE MEDIAN SURFACE - 4"
- 15
- EXISTING COMB. CONC. CURB AND GUTTER B-9.24

- 16
- PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (UPPER LIFT)
- 17
- PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5 E, N80, 2" (LOWER LIFT)
- 18
- PROPOSED POLY HOT-MIX ASPHALT BINDER, IL-9.5FG, N90, 1.25"
- 19
- PROPOSED HOT-MIX ASPHALT SHOULDERS
- 20
- PROPOSED AGGREGATE

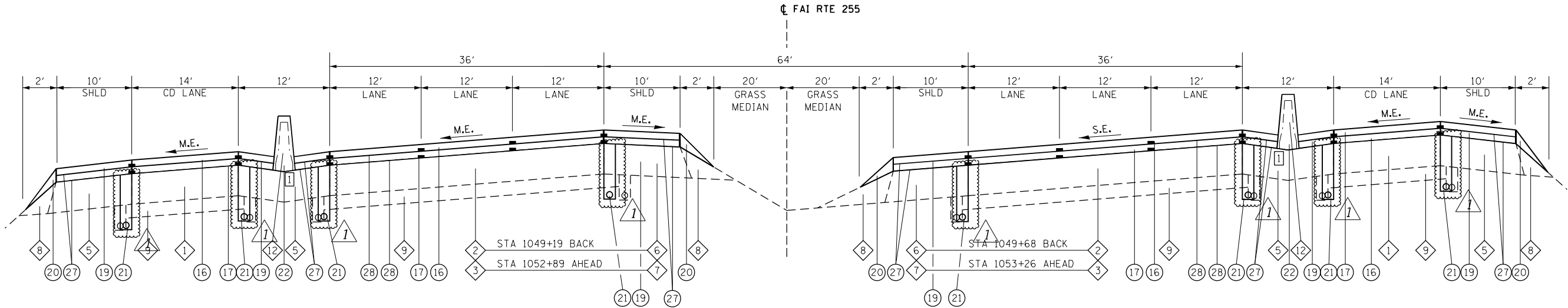
WEDGE

 SHOULDERS, TYPE B
- 21
- PROPOSED PIPE UNDERDRAINS - 4"
- 22
- PROPOSED CONCRETE BARRIER, DOUBLE FACE, 44"
- 23
- PROPOSED CONCRETE BARRIER, SINGLE FACE, 44"
- 24
- PROPOSED CONCRETE BARRIER BASE, 8" SPL
- 25
- PROPOSED AGGREGATE BASE COURSE, TYPE B 4"
- 26
- PROPOSED CONCRETE GUTTER, TYPE A SPL
- 27
- PROPOSED BITUMINOUS MATERIAL TACK COAT
- 28
- PROPOSED POLY BITUMINOUS MATERIAL TACK COAT
- 29
- PROPOSED AGGREGATE SHOULDERS, TYPE B



FAI ROUTE 255 – PROPOSED TYPICAL SUPERELEVATED SECTION

STA. 1063+20 TO STA. 1068+10 NB
STA. 1063+20 TO STA. 1068+77 SB



FAI ROUTE 255 – PROPOSED TYPICAL SUPERELEVATED SECTION

STA. 1029+78 TO STA. 1049+19
BRIDGE OMISSION STA. 1049+68 TO STA. 1053+26 (I-64 - NB)
STA. 1049+19 TO STA. 1052+89 (I-64 - SB)
STA. 1053+26 TO STA. 1063+20

REV. 10-31-2019

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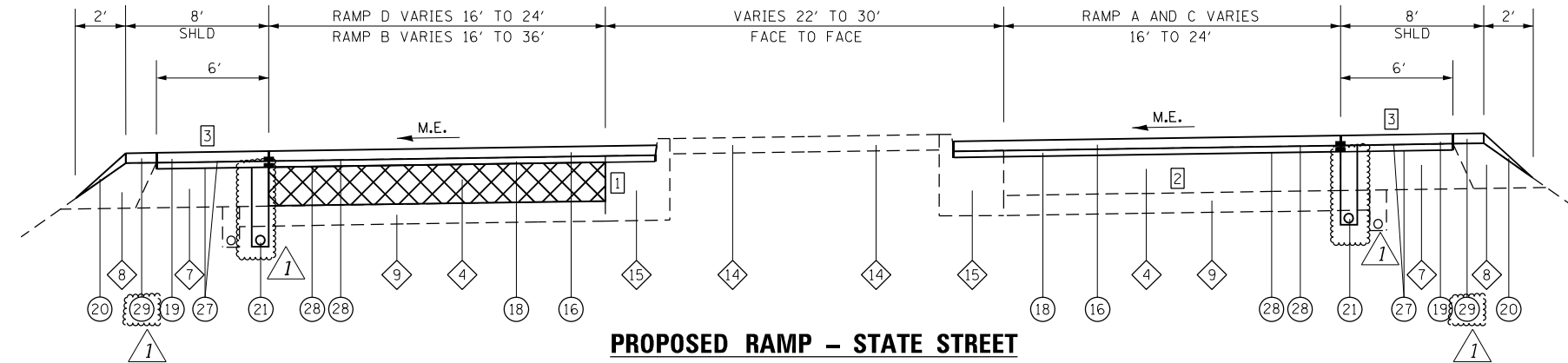
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS FAI ROUTE 255			
SCALE: NTS	SHEET 4	OF 5 SHEETS	STA. TO STA.

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82+3.2RS	ST. CLAIR	280	30
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTION LEGEND

- 1 EXISTING C.R.P.C.C. PAVEMENT - 8"
- 2 EXISTING C.R.P.C.C. PAVEMENT - 9"
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- 27 PROPOSED BITUMINOUS MATERIAL TACK COAT
- 28 PROPOSED POLY BITUMINOUS MATERIAL TACK COAT
- 29 PROPOSED AGGREGATE SHOULDERS, TYPE B



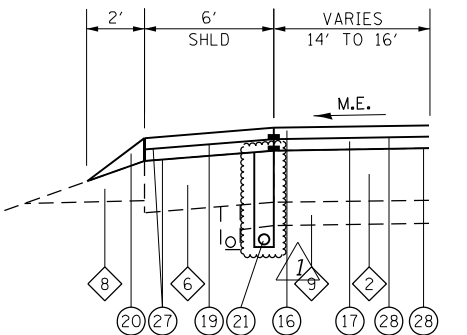
PROPOSED RAMP - STATE STREET

RAMP C STA. 1+52 TO STA. 9+16 (RAMPS B & C)
RAMP A STA. 1+58 TO STA. 14+50 (RAMPS A & D)

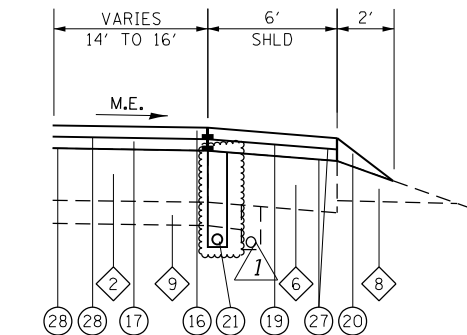
REMOVAL LEGEND



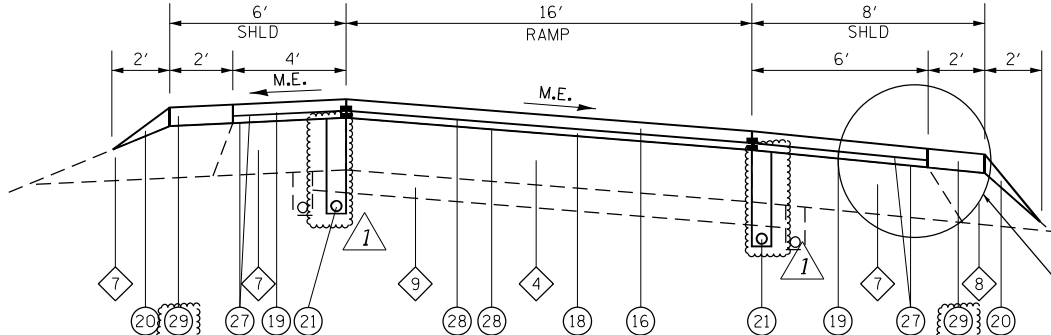
PCC PAVEMENT REMOVAL



PROPOSED SB AUXILIARY LANES

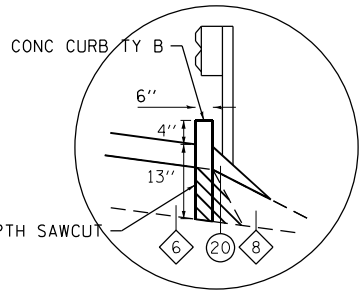


PROPOSED NB AUXILIARY LANES



PROPOSED RAMP - TYPICAL INTERCHANGE

SEE DETAIL A



DETAIL A

RT 15 INTERCHANGE:
RAMP 3 STA. 818+22 TO STA. 5+98 RT
RAMP 4 STA. 8+00 TO STA. 818+16 RT
RAMP 5 STA. 10+32 TO STA. 820+73 RT
RAMP 6 STA. 820+66 TO STA. 1+44 RT

TYPICAL SECTION NOTES

- 1 PAVEMENT REMOVAL & PCC PAVEMENT 10" (JOINTED), SEE STATE STREET DETAILS
- 2 FULL DEPTH PATCHING LOCATIONS VARY THROUGHOUT RAMPS, SEE STATE STREETS DETAILS
- 3 MILL AND RESURFACE RAMP SHOULDERS, SEE STATE STREET DETAILS

REV. 10-31-2019

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
FAI ROUTE 255

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

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82+3.2/RS	ST. CLAIR	280	31
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

UNDERDRAIN

DIRECTION	LOCATION		PIPE UNDERDR T I 6	PIPE UNDERDR T I 6	PIPE UNDERDRAIN 8 SP	PIPE UNDERDRAIN 8 SP	CONC HDWL FOR P DRAIN	CONC HDWL FOR P DRAIN	SHOULDER REM & REPL	SHOULDER REM & REPL	PREF PL PM TB LTR-SYM	PREF PL PM TB LTR-SYM	COMMENTS
			DL	PL	DL	PL	DL	PL	DL	PL	DL	PL	
	STATION	STATION	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(FOOT)	(FOOT)	(SQ FT)	(SQ FT)	
FAU ROUTE 255 NORTHBOUND													
NB	814+00	818+00	200	400	15	5	1		200	400	2		CONNECT DL MAINLINE PIPE UNDERDRAIN TO RAMP PIPE UNDERDRAIN
NB	821+00	825+00	200		15				200				
NB	825+00	829+00	400		30		1		400		2		
NB	829+00	834+00	470		15		1		470		2		CONNECT DL MAINLINE PIPE UNDERDRAIN TO RAMP PIPE UNDERDRAIN
NB	834+00	840+00											STA 834+00 TO 840+00 DRAIN PIPE INCLUDED IN RAMP SCHEDULE
NB	840+00	844+50											STA 840+00 TO 844+50 DRAIN PIPE INCLUDED IN RAMP SCHEDULE
NB	844+50	849+00	450		30		1		450		2		STA 849+00 CREST LOCATION
NB	849+00	854+00	500		30		1		500		2		
NB	854+00	859+00	500		30		1		500		2		
NB	859+00	862+50	350		30		1		350		2		
NB	862+50	866+00	350		30		1		350		2		
NB	866+00	870+00	400		30		1		400		2		
NB	870+00	875+00	500		30		1		500		2		STA 875+00 SAG LOCATION
NB	875+00	877+50	250		30		1		250		2		
NB	877+50	881+00	350		30		1		350		2		
NB	881+00	885+00	400		30		1		400		2		
NB	885+00	889+00	400		30		1		400		2		
NB	889+00	893+20	420		30		1		420		2		
NB	893+20	898+50	530	530	30	10	1		530	530	2		
NB	898+50	903+90	540	540	30	10	1		540	540	2		
NB	903+90	908+00	410	410	30	5	1		410	410	2		
NB	908+00	912+00	400	400	30		1		400	400	2		
NB	912+00	916+00	400	400	30		1		400	400	2		
NB	916+00	918+67	267	267	30		1		267	267	2		
NB	921+50	926+00	450		15				450				STA 920+50 SPECIAL PIPE DRAINS INTO STRUCTURE
NB	926+00	927+60	160		30		1		160		2		
NB	927+60	929+00	140		30		1		140		2		
NB	929+00	934+20	520		15		1		520		2		
NB	936+50	939+75	325	325	20	5			325	325			
NB	939+75	943+25	350	322	20		1		350	322	2		STA 943+25 SPECIAL PIPE DRAINS INTO STRUCTURE
NB	948+50	1005+00	290	315	20	15			290	315			
NB	1005+00	1009+00	400	400	30	30	1	1	400	400	2	2	
NB	1009+00	1013+00	400	400	30	30	1	1	400	400	2	2	
NB	1013+00	1017+00	400	400	30	30	1	1	400	400	2	2	
NB	1017+00	1022+00	200	250	20	30	1	1	200	250	2	2	
NB	1022+50	1026+15	365	315	30	30	1	1	365	315	2	2	INCLUDES 2 - (15 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1026+15	1029+80	950	365	70	30	1	1	950	365	2	2	INCLUDES 2 - (15 FT) AND 2 - (10 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1029+80	1033+50	1,110	370	70	30	1	1	1,110	370	2	2	INCLUDES 2 - (15 FT) AND 2 - (10 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1033+50	1036+10	520	260	40	30		1	520	260		2	INCLUDES 2 - (10 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1036+10	1040+00	905	390	50	30		1	905	390		2	INCLUDES 3 - (10 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1040+00	1046+00	1,800	600	85	30	1	1	1,800	600	2	2	INCLUDES 2 - (10 FT) AND 3 - (15 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1046+00	1049+35	670	270	35	15	1	1	670	270	2	2	INCLUDES 1 - (10 FT) AND 1 - (15 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1053+30	1058+30	945	500	55	15		1	945	500		2	INCLUDES 2 - (10 FT) AND 1 - (15 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1058+30	1059+00	210	70	35	15	1		210	70	2		INCLUDES 1 - (10 FT) AND 1 - (15 FT) UNDERDRAIN OUTLETS IN C-D ROAD
NB	1059+00	1061+90	870	290	20	15		1	870	290		2	INCLUDES 1 - (10 FT) UNDERDRAIN OUTLET IN C-D ROAD
NB	1061+90	1064+00	630	210	20	15		1	630	210		2	INCLUDES 1 - (10 FT) UNDERDRAIN OUTLET IN C-D ROAD

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PLOT DATE = 10/29/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 1 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	32
CONTRACT NO. 76E13				
ILLINOIS			FED. AID PROJECT	

UNDERDRAIN (CONT.)

DIRECTION	LOCATION		PIPE UNDERDR T I 6	PIPE UNDERDR T I 6	PIPE UNDERDRAIN 8 SP	PIPE UNDERDRAIN 8 SP	CONC HDWL FOR P DRAIN DL	CONC HDWL FOR P DRAIN PL	SHOULDER REM & REPL	SHOULDER REM & REPL	PREF PL PM TB LTR-SYM <div>(NOTE 12) DL ⚠</div>	PREF PL PM TB LTR-SYM <div>(NOTE 12) PL ⚠</div>	COMMENTS
			DL	PL	DL	PL	DL	PL	DL	PL	DL	PL	
	STATION	STATION	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(FOOT)	(FOOT)	(SQ FT)	(SQ FT)	
FAU ROUTE 255 SOUTHBOUND													
SB	814+00	818+00	200	400	15	5	1		200	400	2		CONNECT DL MAINLINE PIPE UNDERDRAIN TO RAMP PIPE UNDERDRAIN
SB	821+00	825+00	350	400	15	5			350	400			
SB	825+00	829+00	400	400	30	10	1		400	400	2		
SB	829+00	834+00	500	500	30	10	1		500	500	2		
SB	834+00	840+00	340	600	15	10			340	600			
SB	840+00	844+50	330	450	30	10	1		330	450	2		
SB	844+50	849+00	450	450	30		1		450	450	2		STA 849+00 CREST LOCATION
SB	849+00	854+00	500	500	30		1		500	500	2		
SB	854+00	859+00	500	500	40	5	1		500	500	2		
SB	859+00	862+50	350	350	40	5			350	350			
SB	862+50	866+00	350	350	40	5	1		350	350	2		
SB	866+00	870+00	400	400	20	10			400	400			
SB	870+00	875+00	500	500	20	10			500	500			STA 875+00 SAG LOCATION
SB	875+00	877+50	250	250	20	10			250	250			
SB	877+50	881+00	350	350	20	10			350	350			
SB	881+00	885+00	400	400	20	10			400	400			
SB	885+00	889+00	400	400	40	10			400	400			
SB	889+00	893+20	420	420	30	10	1		420	420	2		STA 893+20 PIPE UNDERDRAIN CHANGES LOCATION UNDERNEATH MEDIAN
SB	893+20	898+50	530		30				530				STA 893+70 TIE PIPE DRAIN INTO EX SS STRUCTURE
SB	898+50	903+90	540		20				540				
SB	903+90	908+00	410		40				410				
SB	908+00	912+00	400		60		1		400		2		
SB	912+00	916+00	400		60		1		400		2		
SB	916+00	918+67	267		30		1		267		2		
SB	920+50	926+00	420	550	15	5			420	550			
SB	926+00	927+60	160	160	30	10	1		160	160	2		
SB	927+60	929+00	140	140	30	10	1		140	140	2		
SB	929+00	934+20	445	520	15	5			445	520			
SB	936+50	939+75	325	325	30	5	1		325	325	2		
SB	939+75	943+00	325	325	30	5	2		325	325	4		STA 943+00 DL HEADWALL STA 939+75 DL HEADWALL
SB	948+50	1005+00	315	315	30	20	1		315	315	2		STA 948+50 TIE PIPE DRAIN INTO EX SS STRUCTURE
SB	1005+00	1009+00	400	400	30	30	1	1	400	400	2	2	
SB	1009+00	1013+00	400	400	30	30	1	1	400	400	2	2	
SB	1013+00	1017+00	580	400	50	30	1	1	580	400	2	2	INCLUDES 2 - (15 FT) AND 1 - (5 FT) UNDERDRAIN OUTLETS IN C-D ROAD
SB	1017+00	1022+00	1,350	350	40	20	1	1	1,350	350	2	2	INCLUDES 1 - (15 FT) AND 2 - (5 FT) UNDERDRAIN OUTLETS IN C-D ROAD
SB	1022+00	1026+15	363	215	35	30	1	1	363	215	2	2	INCLUDES 1 - (15 FT) AND 1 - (10 FT) UNDERDRAIN OUTLETS IN C-D ROAD
SB	1026+15	1029+80	1,095	365	55	30	1		365		2		INCLUDES 1 - (15 FT) AND 2 - (10 FT) UNDERDRAIN OUTLETS IN C-D ROAD
SB	1029+80	1033+50	1,110	370	75	30		1	1,110	370		2	INCLUDES 1 - (15 FT) AND 2 - (10 FT) UNDERDRAIN OUTLETS IN C-D ROAD
SB	1033+50	1036+10	780	260	70	30	1	1	780	260	2	2	INCLUDES 2 - (15 FT) AND 2 - (10 FT) UNDERDRAIN OUTLETS IN C-D ROAD
SB	1036+10	1040+00	1,170	390	50	30	1	1	1,170	390	2	2	INCLUDES 2 - (15 FT) AND 1 - (10 FT) UNDERDRAIN OUTLETS IN C-D ROAD
SB	1040+00	1046+00	1,645	600	75	30	1	1	1,645	600	2	2	INCLUDES 1 - (15 FT) AND 3 - (10 FT) UNDERDRAIN OUTLETS IN C-D ROAD
SB	1046+00	1049+30	430	300	40	30		2	430	300		4	INCLUDES 2 - (10 FT) UNDERDRAIN OUTLETS IN C-D ROAD - STA 1046+00 PL HEADWALL STA 1049+10 PL HEADWALL
SB	1053+25	1059+00	1,470	575	80	30	1	1	1,470	575	2	2	INCLUDES 2 - (15 FT) AND 4 - (10 FT) UNDERDRAIN OUTLETS IN C-D ROAD-STA 1056+00 DL HDWL-STA 1053+25 PL HDWL
SB	1059+00	1064+00	1,500	500	70	30	1	2	1,500	500	2	4	INCLUDES 2 - (15 FT) AND 2 - (10 FT) UNDERDRAIN OUTLETS IN C-D ROAD-STA 1061+90 DL HDWL-STA 1059+00 PL HDWL
I-255/IL-15 RAMPS													
RAMP 1	8+00	13+00	1,000		60		2		1,000		4		
	13+00	18+00	1,000		60		2		1,000		4		
	18+00	23+00	1,000		60		2		1,000		4		
	23+00	28+00	905		45		2		905		4		
	28+00	33+00	500		30		1		500		2		
	33+00	38+00	500		30		1		500		2		
RAMP 2	0+00	5+00	615		30		1		615		2		STA 3+85 TIE PIPE DRAIN INTO MAINLINE PIPE DRAIN
	5+00	10+00	1,000		45		1		1,000		2		
	10+00	15+00	1,000		60		2		1,000		4		
	15+00	20+00	1,000		60		2		1,000		4		
	20+00	25+00	900		60		4		900		8		STA 24+00 DL HEADWALL STA 25+00 DL HEADWALL

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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

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PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/29/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
SCALE:	SHEET 2	OF 10	SHEETS
STA.		TO STA.	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	33
CONTRACT NO. 76E13				
		ILLINOIS	FED. AID PROJECT	

REV. 10-31-2019

UNDERDRAIN (CONT.)

DIRECTION	LOCATION		PIPE UNDERDR T I 6	PIPE UNDERDR T I 6	PIPE UNDERDRAIN 8 SP	PIPE UNDERDRAIN 8 SP	CONC HDWL FOR P DRAIN	CONC HDWL FOR P DRAIN	SHOULDER REM & REPL	SHOULDER REM & REPL	PREF PL PM TB LTR-SYM	PREF PL PM TB LTR-SYM	COMMENTS	
			DL	PL	DL	PL	DL	PL	DL	PL	DL	PL		(NOTE 12) DL
	STATION	STATION	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(FOOT)	(FOOT)	(SQ FT)	(SQ FT)		
RAMP 3	818+00	4+00	800		45		1		800		2		STA 818+00 DL HEADWALL (MAINLINE STATION) - STA 1+20 TIE PIPE DRAIN INTO MAINLINE PIPE DRAIN	
	4+00	9+00	1,000		60		2		1,000		4			
	9+00	14+00	1,000		60		4		1,000		8			
RAMP 4	2+00	6+00	700		60		2		700		4		STA 818+00 DL HEADWALL (MAINLINE STATION) - STA 1+20 TIE PIPE DRAIN INTO MAINLINE PIPE DRAIN	
	6+00	10+00	800		60		2		800		4			
	10+00	818+00	600		45		3		600		6			
RAMP 5	2+00	4+00	400		45		1		400		2		STA 821+00 DL HEADWALL (MAINLINE STATION)	
	4+00	9+00	1,000		60		2		1,000		4			
	9+00	821+00	950		45		3		950		6			
RAMP 6	821+00	4+25	820		45		1		820		2		STA 821+00 DL HEADWALL (MAINLINE STATION)	
	4+25	9+25	1,000		60		2		1,000		4			
	9+25	14+00	950		75		4		950		8			
I-255/STATE STREET RAMPS														
RAMP A	2+00	6+00	400		30				400				STA 6+00 DL HEADWALL STA 8+00 DL HEADWALL	
	6+00	10+00	615		45		2		615		4			
	10+00	15+00	910		45		2		910		4			
RAMP B	5+00	10+00	975		45		1		975		2		STA 10+00 DL HEADWALL STA 15+00 DL HEADWALL	
	10+00	13+50	700		60		2		700		4			
	13+50	17+00	350		30		2		350		4			
RAMP C	17+00	21+00	400		30		2		400		4		STA 17+00 DL HEADWALL STA 21+00 DL HEADWALL	
	2+00	7+00	500		30		1		500		2			
	7+00	12+00	700		60		2		700		4			
RAMP D	12+00	16+75	950		35		2		950		4		STA 16+75 CONNECT PIPE UNDERDRAIN TO EX SS STRUCTURE	
	4+50	8+00	600		20				600					
	8+00	12+00	800		60		2		800		4			
	12+00	16+00	550		45		2		550		4		STA 4+50 CONNECT PIPE UNDERDRAIN TO EX SS STRUCTURE	
	16+00	20+00	400		30		2		400		4			
	I-255/I-64 RAMPS													
RAMP B	2+00	8+00	1,200		60		2		1,200		4		STA 1053+30 DL HEADWALL (MAINLINE STATION)	
	8+00	1053+30	900		45		3		900		6			
	RAMP C	7+25	12+00	950		75		2		950		4		
12+00		17+00	1,000		60		2		1,000		4			
17+00		22+00	1,000		60		2		1,000		4			
	22+00	25+70	740		45		2		740		4		STA 22+00 HEADWALLS - STA25+70 HEADWALL INCLUDED IN MAINLINE SCHEDULE	
	RAMP D	1048+60	1046+00	250		25				250				
		1046+00	4+90	880		45		1		880		2		
4+90		9+90	1,000		60		2		1,000		4			
	9+90	12+45	500		75		4		500		8		STA 5+00 DL HEADWALLS - STA 10+00 HEADWALLS	
	RAMP F	1054+00	5+00	1,040		45		1		1,040		2		
		5+00	10+00	1,000		60		4		1,000		8		
RAMP G		1+95	2+80	180		45		1		180		2		
	2+80	7+80	1,000		60		2		1,000		4			
	7+80	12+80	1,000		60		2		1,000		4			
	12+80	1049+80	850		45		3		850		6			
	RAMP H	0+00	5+00	500		30		1		500		2		
		5+00	10+00	920		50		1		920		2		
10+00		15+00	1,000		60		2		1,000		4			
15+00	20+00	1,000		60		2		1,000		4				
20+00	26+00	920		60		4		920		8		STA 25+20 HEADWALL - STA 26+00 HEADWALL		
SUBTOTAL			91,377	24,079	5,880	1,000	176	28	90,282	24,079	352	56		
TOTAL			115,456		6,880		204		114,361		408			

PIPE UNDERDRAIN NOTES:
1. SB = SOUTHBOUND
2. NB = NORTHBOUND
3. DL = DRIVER'S LANE
4. PL = PASSING LANE
5. HDWL = HEADWALL
6. UNDERDRAIN (SPECIAL) THAT OUTLETS INTO EMBANKMENT ASSUMED TO BE 15' LONG
7. UNDERDRAIN (SPECIAL) THAT OUTLETS INTO STRUCTURE ASSUMED TO BE 5' LONG (STA 814+00 TO STA 945+00)
8. UNDERDRAIN (SPECIAL) THAT OUTLETS INTO STRUCTURE ASSUMED TO BE 10' LONG (STA 945+00 TO STA 1068+00)
9. CONCRETE HEADWALL QUANTITY REFERENCES THE HEADWALL AT THE BEGINNING OF THE STATION SINCE TWO UNDERDRAIN (SPECIAL) CAN FIT IN A SINGLE HEADWALL
10. QUANTITIES FOR COLLECTOR - DISTRIBUTOR ROADWAYS ARE INCLUDED IN THE DL COLUMN.
11. REMOVAL QUANTITIES FOR EXISTING PIPE UNDERDRAIN OUTLET PIPES AND HEADWALLS ARE ASSUMED TO BE THE SAME QUANTITIES OF THE PROPOSED LOCATIONS. THE LOCATIONS FOR REMOVALS HAVE NOT BEEN SCHEDULED AND HAVE BEEN ASSUMED TO BE NEAR THE STATIONS OF THE PROPOSED OUTLETS.
12. NOT A TOTAL QUANTITY, SEE PAVEMENT MARKING SCHEDULE.

REV. 10-31-2019

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 3 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	34
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

RESURFACING & PAVEMENT

INFO	LOCATION		AGG BASE CSE B 4	AGG BASE CSE A 12	BIT MATLS TACK CT	P BIT MATLS TACK CT	P HMA BC IL-9.5FG N90	P SC SMA 12.5 E N80	PCC PVT 10 JOINTED	CONT REINF PCC PVT 9	PAVT REINFORCEMENT	AGGREGATE SHLDS B	AGG WEDGE SHLD TYPE B	HMA SHOULDERS 9	HMA SHOULDERS	PCC SHOULDERS 9	CONC GUTTER TA SPL	CONC MED SURF 4	PROTECTIVE COAT	SHOULDER RUM STRIP 16	CONC CURB TB	LONG JOINT SEALANT	MATL TRANSFER DEVICE	DET LOOP REPL
	STA	STA	(SQ YD)	(SQ YD)	(LB)	(LB)	(TON)	(TON)	(SQ YD)	(SQ YD)	(SQ YD)	(TON)	(TON)	(SQ YD)	(TON)	(SQ YD)	(FOOT)	(SQ YD)	(SQ YD)	(FOOT)	(FOOT)	(FOOT)	(TON)	(FOOT)
FAI ROUTE 255 NORTHBOUND																								
I-255 NB	814+00	818+19			596	1,452		482					4		198	100			100	588		3,336	482	
I-255 NB	820+69	845+00			3,482	8,246		2,737				62	54		1,156	101			101	3,095		19,440	2,737	
I-255 NB	845+00	870+00	27	918	4,036	6,762		2,244		918	918		64	510	1,340		40		27	5,007		20,040	2,244	
I-255 NB	870+00	895+00			4,030	6,752		2,241					65		1,338					5,001		20,000	2,241	
I-255 NB	895+00	918+75			3,752	6,564		2,178					61		1,245					4,485	2,510	18,984	2,178	
I-255 NB	920+42	934+55			2,260	4,026		1,336				12	35		750	243			243	2,527		11,104	1,336	
I-255 NB	935+90	943+30			866	2,692		893							288					719	732	5,776	893	
I-255 NB	948+10	1022+13			2,670	4,798		1,592					90		886					3,499	317	14,212	1,592	
I-255 NB	1021+60	1050+00			8,616	11,752		3,900				49	144		2,859	111			111	4,954		22,160	3,900	
I-255 NB	1052+62	1064+00			3,486	4,632		1,537				17	55		1,157					2,180		8,720	1,537	
FAI ROUTE 255 SOUTHBOUND																								
I-255 SB	814+00	818+19			562	1,664		552					3		186					419		3,360	552	
I-255 SB	820+69	845+00			3,616	7,480		2,482				32	59		1,200	488			488	4,024		19,520	2,482	
I-255 SB	845+00	870+00	1,185	914	4,022	6,732		2,234		914	914		18	508	1,335		1,777		1,185	4,987		19,944	2,234	
I-255 SB	870+00	895+00	1,553	2,057	3,992	6,684		2,218		2,057	2,057			1,143	1,325		2,330		1,553	4,950		19,800	2,218	
I-255 SB	895+00	918+75			3,652	6,784		2,251							1,212					4,753		19,000	2,251	
I-255 SB	920+42	934+55			2,170	4,504		1,495				31	36		720	451			451	2,215		11,200	1,495	
I-255 SB	935+90	943+30			1,006	2,100		697				37	18		334					1,146		5,720	697	
I-255 SB	948+10	1022+13			3,404	6,898		2,289					94		1,130					3,903		15,608	2,289	
I-255 SB	1021+60	1050+00			7,720	10,842		3,598				33	126		2,562					4,767		20,084	3,598	
I-255 SB	1052+62	1064+00			3,526	4,384		1,455				9	55		1,170	100			100	2,190		8,760	1,455	
FAI ROUTE 255/ROUTE 15 RAMPS																								
RMP 1 (RT 15)	8+00	26+23			1,372	2,200	228	365				76	77		370								593	
RMP 2 (RT 15)	6+70	25+00			1,378	2,208	229	366				77	77		371								595	
RMP 3 (RT 15)	2+02	14+00			914	1,476	153	245				87	43		247						700		398	
RMP 4 (RT 15)	2+00	12+04			768	1,244	129	206				70	35		207						630		335	
RMP 5 (RT 15)	2+00	12+54			806	1,304	135	216				81	41		218						395		352	
RMP 6 (RT 15)	2+06	14+00			912	1,474	153	245				105	51		246						255		397	
FAI ROUTE 255/STATE STREET RAMPS																								
RMP A	0+30	7+40			246	1,219	99	246				14	7		46								345	
RMP A	7+40	11+75			334	538	56	89				38	19		90								145	
RMP B	6+60	14+36			590	951	99	158				67	33		159								256	
RMP B	14+36	22+65			314	531	55	88	2,000			9	5		59			2,000					143	
RMP B	20+22	20+28																						102
RMP B	21+83	22+60																						815
RMP C	0+30	9+16			334	1,391	120	269				19	10		62			1,052					390	
RMP C	9+16	17+00			588	952	99	158				66	33		159								257	
RMP D	6+69	13+48			514	825	86	137				58	29		139								222	
RMP D	13+48	21+46			302	1,337	119	254				17	9		56								373	
RMP D	19+09	19+15																						68
RMP D	20+73	21+40																						512
FAI ROUTE 255/FAI ROUTE 64 RAMPS																								
RMP B (64)	8+00	26+23			722	1,168	121	194				82	41		195								315	
RMP C (64)	6+70	25+00			1,284	2,060	214	342				145	72		346								556	
RMP D (64)	2+02	14+00			770	1,242	129	206				87	43		208								335	
RMP F (64)	2+00	12+04			644	1,040	108	173				73	36		173								281	
RMP G (64)	2+00	12+54			1,034	1,666	173	277				117	58		279								450	
RMP H (64)	2+06	14+00			1,398	2,240	232	372				157	79		377								604	
TOTAL																								
			2,765	3,889	82,688	142,814	2,736	43,015	2,000	3,889	3,889	1,727	1,779	2,161	26,394	1,595	4,147	1,052	6,360	65,409	5,539	286,768	45,751	1,497

RESURFACING NOTES

1. SEE STATE STREET RAMP DETAILS SHEET.
2. APPLICATION RATE FOR MILLED SURFACES = 0.05 LBS/SF. APPLICATION RATE FOR INTERMEDIATE LIFTS AND UNDER BRIDGE DECK OVERLAY = 0.025 LBS/SF.
3. APPLICATION RATE FOR ESTIMATING PURPOSES = 0.056 TON/SY/IN.
4. APPLICATION RATE FOR ESTIMATING PURPOSES = 2.1 TON/CU YD.

REV. 10-31-2019

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PLOT DATE = 10/28/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 6 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	37
CONTRACT NO. 76E13				
ILLINOIS			FED. AID PROJECT	

PAVEMENT MARKING

INFO	LOCATION		THPL PVT MK LINE 4			PREF PL PM TB LTR-SYM (NOTE 1) (SQ FT)	PREF PL PM TB LINE 6				PREF PL PM TB LINE 8 (FOOT)	PREF PL PM TB LINE 12 (FOOT)	PREF PL PM TB LINE 24 (FOOT)	RAISED REFL PAVT MKR		CURB REFLECTORS (EACH)	RAISED REF PVT MK REM (EACH)	BARR WALL REF TYPE C (EACH)	PAINT PVT MARK CURB (FOOT)	GRV RCSD PM LTR & SYM (SQ FT)	GRV RCSD PVT MRKG 7 (FOOT)	GRV RCSD PVT MRKG 9 (FOOT)	GRV RCSD PVT MRKG 13 (FOOT)	GRV RCSD PVT MRKG 25 (FOOT)	PREF PL PM TD L 6					
			SOLID WHITE (FOOT)	SOLID YELLOW (FOOT)	SKP DSH YELLOW 30' - 10' SPACING (FOOT)		SKP DSH WHITE 9' - 3' SPACING (FOOT)	SKP DSH WHITE 30 - 10' SPACING (FOOT)	SOLID WHITE (FOOT)	SOLID YELLOW (FOOT)				SKP DSH WHITE 9' - 3' SPACING (FOOT)	SKP DSH WHITE 30' - 10' SPACING (FOOT)										SOLID WHITE (FOOT)	SOLID YELLOW (FOOT)				
	STATION	STATION	(FOOT)	(FOOT)	(FOOT)		(FOOT)	(FOOT)	(FOOT)	(FOOT)				(FOOT)	(FOOT)										(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)
FAI ROUTE 255 NORTHBOUND																														
I-255 NB	814+00	818+19					33	209	120	418	396			1,065			1,065	2			780	396								
I-255 NB	818+19	820+70																						63	126	252	252			
I-255 NB	820+70	841+20					30	1,098	772	2,052	974									5			3,952	974						
I-255 NB	841+20	918+96					102	3,891	7,792	7,775										19			19,560							
I-255 NB	918+96	1011+86						2,056	2,263	3,940	1,444									16			8,259	1,444						
I-255 NB	1011+86	1064+00					223	2,628	7,511	8,949	2,654							21			19,311	2,654				91	182	726	726	
FAI ROUTE 255 SOUTHBOUND																														
I-255 SB	814+00	818+19					50	210	56	420	432			1,005			1,005				736	432					63	126	252	252
I-255 SB	818+19	820+70																												
I-255 SB	820+70	841+20					28	1,028	1,107	2,055	1,219												4,218	1,219						
I-255 SB	841+20	918+96						3,907	7,745	7,760													19,412							
I-255 SB	918+96	1011+86					90	2,076	2,708	3,963	1,510												8,837	1,510						
I-255 SB	1011+86	1064+00					151	2,585	9,231	8,788	4,540							20			20,755	4,540				91	182	726	726	
FAI ROUTE 255/ROUTE 15 RAMPS																														
RMP 1 (RT 15)	8+00	34+73							2,675	1,793											4,468									
RMP 2 (RT 15)	0+00	25+00							2,500	1,797			48	15			63				4,297									
RMP 3 (RT 15)	818+22	1+40							1,515	1,208			17	30			47				2,723									
RMP 4 (RT 15)	2+00	818+15							1,250	1,015											2,265									
RMP 5 (RT 15)	2+00	820+70							1,237	1,065											2,302									
RMP 6 (RT 15)	820+70	14+00							2,150	1,207			21	30			51				3,357									
FAI ROUTE 255/STATE STREET RAMPS																														
RMP A (SS)	0+30	16+73							1,757	1,129		163				48			28		2,886			163						
RMP B (SS)	2+86	22+65				141			2,418	1,587		194	54	43	19	61	62			279	4,005			194	54					
RMP C (SS)	0+30	28+74							2,895	1,597		46				36			37		4,492			46						
RMP D (SS)	0+00	21+46				110			2,655	1,409		40	40	46	16	49	62			217	4,064			40	40					
FAI ROUTE 255/FAI ROUTE 64 RAMPS																														
RMP B (64)	2+00	1052+65							1,153	920											2,073									
RMP C (64)	7+25	25+73							1,795	1,682											3,477									
RMP D (64)	1048+87	12+45							1,538	980				20	24		44				2,518									
RMP F (64)	1053+46	10+00							1,194	820				14	20		34				2,014									
RMP G (64)	1+95	1049+97							1,594	1,335											2,929									
RMP H (64)	0+00	26+00							2,600	1,788				52	12		64				4,388									
LAKE DRIVE																														
LAKE DRIVE	133+55	140+42	1,374	687	172																									
TOTAL			1,374	687	172	251	707	19,688	70,231	67,452	13,169	443	94	2,331	166	194	2,497	83	65	496	158,078	13,169	443	94	308	616	1,956	1,956		

PAVEMENT MARKING NOTES:
1. NOT A TOTAL QUANTITY, SEE UNDERDRAIN SCHEDULE.

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PLOT DATE = 10/29/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 7 OF 10 SHEETS STA. TO STA.

FA.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	38
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

REV. 10-31-2019

SHORT TERM PAVEMENT MARKING

INFO	LOCATION		SHORT TERM PAVEMENT MARKINGS	
			SHORT TERM PAVT MKING	SHRT TRM PAVT MK REM
	STATION	STATION	(EACH)	(EACH)
FAI ROUTE 255/ROUTE 15 RAMPS				
RMP 1 (RT 15)	8+00	34+73		
RMP 2 (RT 15)	0+00	25+00		
RMP 3 (RT 15)	818+22	1+40		
RMP 4 (RT 15)	2+00	818+15		
RMP 5 (RT 15)	2+00	820+70	88	29
RMP 6 (RT 15)	820+70	14+00	100	33
FAI ROUTE 255/FAI ROUTE 64 RAMPS				
RMP B (64)	2+00	1052+65		
RMP C (64)	7+25	25+73		
RMP D (64)	1048+87	12+45	84	28
RMP F (64)	1053+46	10+00		
RMP G (64)	1+95	1049+97	112	37
RMP H (64)	0+00	26+00		
TOTAL			384	127

IL-157 & IL-15

INFO	LOCATION		PERIMETER EROS BAR	CURB REM	PAVED SHLD REMOVAL	PCC SHOULDERS 9	PROTECTIVE COAT	COMB CC&G TB6.12
	STATION	STATION	(FOOT)	(FOOT)	(SQ YD)	(SQ YD)	(SQ YD)	(FOOT)
IL ROUTE 157								
SOUTH OFF RMP	105+25	105+70	104	122	15	68	92	107
SOUTH ON RMP	105+22	106+46	155	97	75	118	152	154
NORTH OFF RMP	110+33	111+96	224	210	23	153	202	220
TOTAL			483	429	113	339	446	481

NOTES:

1. NOT A TOTAL QUANTITY. SEE REMOVAL SCHEDULE.

ATR LOCATION 8551

STATION	UNDRGRD C CNC 1 1/4	UNDRGRD C CNC 3	PIEZO AXLE SEN CL 2	SOLAR POWER ASSEMBLY	TRENCH BACKFILL SPL	HD HANDHOLE SPL	CONT CAB TYPE III SPL	EC C CONOGA 30003	CONC FDN SPL	DET LOOP SPL
	(FOOT)	(FOOT)	(FOOT)	(EACH)	(CU YD)	(EACH)	(EACH)	(FOOT)	(FOOT)	(FOOT)
FAI ROUTE 255 NORTHBOUND & SOUTHBOUND										
850+50	50	170	69	1	10	4	1	1,940	3.5	660
TOTAL										
	50	170	69	1	10	4	1	1,940	3.5	660

ATR SITE NOTES:

1. 11.5' EACH SENSOR
2. 3.5' DEEP FOUNDATION

MEDIAN BARRIER

INFO	LOCATION		CONC BARRIER REMOV	HMA SURF REM 4	REM IMP ATTEN NO SALV	CONC BAR 1F 44HT	CONC BAR 2F 44HT	CONC BAR TRANS	CONC BARRIER BASE	CONC BARRIER BASE SPL	IMP ATTEN FRD RES TL3
	STA	STA	(FOOT)	(SQ YD)	(EACH)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)
FAI ROUTE 255											
	810+78	818+19	1,480				680	60		740	
	820+69	838+16	3,510				1,694	60		1,755	
	838+20	841+89	730				305	60		365	
	842+38	852+70	2,066				973	60		1,033	
	853+12	878+00	4,980				2,430	60		2,490	
	878+05	882+35	860				370	60		430	
	882+80	892+00	1,810				848	60		905	
	892+65	918+50	5,152				2,515	60		2,575	
	920+43	934+37	2,790				1,333	60		1,393	
	936+09	937+14	210				75	30		135	
LT	937+14	943+30	619			589		30	619		
RT	937+14	943+27	612			582		30	612		
FAI ROUTE 1-255 (NB COLLECTOR-DISTRIBUTOR)											
	1027+75	1035+94	830		1		800	30	166		1
	1035+98	1049+78	1,408				1,364	45	282		
	1053+33	1065+60	1,252	80			1,207	45	250		
	1066+03	1068+07	203	70			174	30	41		
FAI ROUTE 1-255 (SB COLLECTOR-DISTRIBUTOR)											
	1027+17	1049+07	2,151				2,136	15	430		
	1052+80	1065+60	1,253	80			1,208	45	251		
	1066+03	1068+73	268	92	1		238	30	54		1
TOTAL			32,184	322	2	1,171	18,350	870	2,704	11,821	2

NOTES:

1. ASSUME 20% OF EXISTING CONCRETE BARRIER BASE WILL NEED TO BE REPLACED.
2. IN AREAS OF TWO SINGLE FACE CONCRETE BARRIERS, EACH FACE SHALL BE MEASURED AND PAID FOR REMOVAL SEPERATELY.

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PLOT DATE = 10/29/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 8 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	39
CONTRACT NO. 76E13				
		ILLINOIS	FED. AID PROJECT	

REV. 10-31-2019

SHOULDER INLET

LOCATION		P CUL CL A 1 12	PIPE DRAINS 12	INLETS TA T20 F&G	REMOV INLETS	TY E INLET BOX 610001	TY F INLET BOX 610002	PIPE DRAIN REMOVAL	REMOV EX FLAR END SEC	PIPE CULV CLEANED 12	BR APPROACH SHLD REM	PCC BR APPR SH PVT SP	PROTECTIVE COAT	PRC FLAR END SEC 12	FIELD NOTES
STATION	OFFSET (R+ , L-)	(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	(FOOT)	(EA)	(LF)	(SQ YD)	(SQ YD)	(SQ YD)	(EACH)	
FAI ROUTE 255															
820+70	67.87		10		1	1		10		10	6	6	6		CLEAN OUTLET
820+77	-71.14		10		1	1		10		10	6	6	6		CLEAN OUTLET
920+58	77.88		10		1	1		10			6	6	6		
920+65	-70.28		10		1	1		10			6	6	6		FOUND AREA INLET INSIDE RAMP A WITH STANDING WATER
933+96	88.20		10		1	1		10		10	6	6	6		PIPE DRAINS BUT OUTLET NEEDS CLEANOUT
934+38	-74.82		10		1	1		10		58	6	6	6		OUTLET IS PARTIALLY BURIED, BUT UNDAMAGED & USEABLE
936+50	72.28		72		1	1		72	1		6	6	6	1	UNABLE TO LOCATE OUTLET
943+23	69.89		75		2	2		75	1		7	6	6	1	UNABLE TO LOCATE OUTLET
943+08	-16.82		83		1		1	83			10	10	10		REPLACE 10' OF PIPE IN MEDIAN
1018+86	74.25		141		1		1	141	1		10	10	10	1	DAMAGED - FULL REPLACE
1019+82	24.65		20		1		1	20			10	10	10		
1020+52	-25.35		200		1		1	200	1		10	10	10	1	DAMAGED - FULL REPLACE
1021+97	-105.73		10		1	1		10			6	6	6		OUTLET IS GOOD, USE IN PLACE
1048+59	-126.84		10		1	1		10	1		6	6	6	1	REPLACE FLARED END
1049+30	25.13		21		1		1	21	1		10	10	10	1	UNABLE TO LOCATE OUTLET, FULLY OVERGROWN WITH BUSH HONEYSUCKLE
1024+68	-79	241		1											GORE AREA INLET
TOTAL:		241	692	1	16	11	5	692	6	88	111	111	111	6	

TRAFFIC CONTROL

LOCATION	TRAF CONT-PROT 701321	TRAF CONT-PROT 701326	TRAF CONT-PROT 701456	TRAF CONT-PROT 701601	TRAF CONT-PROT 701801	TR CONT SURVEILLANCE	TEMP BR TRAF SIGNALS	TEMP RUMBLE STRIPS	CHANGEABLE MESSAGE SN	TEMP CONC BARRIER	REL TEMP CONC BARRIER	IMP ATTN TEMP NRD TL2	IMP ATTN REL NRD TL2	TRAF CONT-PROT SPL	TRAF CONT-PROT SPL	TRAF CONT-PROT BLR 21	INTERST WKEND CLSR SP	DETOUR SIGNING
	(EACH)	(L SUM)	(NOTE 1) (L SUM)	(NOTE 2) (L SUM)	(L SUM)	(NOTE 3) (CAL DA)	(EACH)	(EACH)	(NOTE 5) (CAL DA)	(FOOT)	(FOOT)	(EACH)	(EACH)	(L SUM)	(EACH)	(L SUM)	(EACH)	(EACH)
I-64 TO IL-15 DETOUR									1,800					0.5				0.5
LAKE DRIVE	1						1	6		961	961	2	2					
IL 157 PRE-STAGE		0.5		1		21												
I-255 & I-64 LOOP RAMPS			0.5															
I-255 & IL-15 RAMPS 5/6			0.5														2	
STATE STREET SIDEWALK					1													
POCKET ROAD																1		
I-64 INTERCHANGE														4				
TOTAL	1	0.5	1	1	1	21	1	6	1,800	961	961	2	2	0.5	4	1	2	0.5

NOTES:

1.

2.

3.

4.

5.
- TO BE USED FOR INCIDENTAL WORK ASSOCIATED WITH THE RAMPS PRIOR TO RAMP CLOSURE.

TO BE USED FOR PATCHING OF IL 157 NEAR VIEUX CARRE DRIVE AS DETAILED IN THE GENERAL NOTES.

NEEDED WHILE THERE ARE OPEN HOLES WITHIN 8 FEET OF THE TRAVELED WAY OF IL 157.

USED FOR NIGHT CLOSURES OF 4 LOOP RAMPS OF I-64 INTERCHANGE.

CALENDAR DAY QUANTITY IS BASED ON 10 MESSAGE SIGNS.

REMOVALS

INFO	LOCATION		HMA SURF REM BUTT JT	PCC SURF REM BUTT JT	TEMPORARY RAMP	CURB REM	GUTTER REM	SIDEWALK REM	PAVED SHLD REMOVAL	PAVEMENT REM	CONC MEDIAN REMOV	PCC SUR RM (CM) VAR D	SAW CUTS
	STATION	STATION	(SQ YD)	(SQ YD)	(SQ YD)	(FOOT)	(FOOT)	(SQ FT)	(SQ YD)	(CU YD)	(SQ FT)	(SQ YD)	(NOTE 2) (FOOT)
FAI ROUTE 255 NORTHBOUND													
I-255 NB	814+00	818+19	178	449	135				107				
I-255 NB	820+69	845+00	101	298	76				134				
I-255 NB	845+00	870+00	178	320			40		523	918			
I-255 NB	870+00	895+00							60				
I-255 NB	895+00	918+75							13				
I-255 NB	920+42	934+55							263				
I-255 NB	935+90	943+30				732			48				
I-255 NB	948+10	1022+13											
I-255 NB	1021+60	1050+00	947		55				111				
I-255 NB	1052+62	1064+00	1,060	226	125								
FAI ROUTE 255 SOUTHBOUND													
I-255 SB	814+00	818+19	169	498	143				7				
I-255 SB	820+69	845+00	94	293	83				535				
I-255 SB	845+00	870+00	178	320			1,777		521	914			
I-255 SB	870+00	895+00	356	640			2,330		1,203	2,057			
I-255 SB	893+68	918+78							140				
I-255 SB	895+00	918+75				2,510			13				
I-255 SB	920+42	934+55							471				
I-255 SB	935+90	943+30							7				
I-255 SB	948+10	1022+13				320							
I-255 SB	948+17	1004+67							18				
I-255 SB	1021+60	1050+00	906		54								
I-255 SB	1052+62	1064+00	1,172	218	128				100				
I-255 SB	1024+68	1027+12							116				498
FAI ROUTE 255/ROUTE 15 RAMPS													
RMP 1 (RT 15)	8+00	26+23	45	72	19								
RMP 2 (RT 15)	6+70	25+00	45	72	19								
RMP 3 (RT 15)	2+02	14+00	45	73	19				39				
RMP 4 (RT 15)	2+00	12+04	45	73	19				35				
RMP 5 (RT 15)	2+00	12+54	45	73	19				22				
RMP 6 (RT 15)	2+06	14+00	45	72	19				15				
FAI ROUTE 255/STATE STREET RAMPS													
RMP A (SS)	1+90	11+75	48	133		46		76			117	2,192	
RMP B (SS)	6+60	21+38	48	129		51		81		2,000	143	787	
RMP C (SS)	1+65	17+00	50	131		48		68			1,112	2,405	
RMP D (SS)	6+69	20+08	48	71		50		80			102	2,267	
FAI ROUTE 255/FAI ROUTE 64 RAMPS													
RMP B (64)	8+00	26+23	225		12								
RMP C (64)	6+70	25+00	158		12								
RMP D (64)	2+02	14+00	237		12	700							
RMP F (64)	2+00	12+04	206		12	630							
RMP G (64)	2+00	12+54	236		12	395							
RMP H (64)	2+06	14+00	234		12	255							
LAKE DRIVE													
LAKE DRIVE NB	133+50	139+27		167									
LAKE DRIVE SB	133+50	139+27		167									
TOTAL			7,100	4,496	985	5,737	4,147	305	4,501	5,889	1,474	7,651	498

NOTES

1. NOT A TOTAL QUANTITY. SEE IL 157 & IL 15 SCHEDULE.
2. NOT A TOTAL QUANTITY. REMAINING QUANTITY IN THE SUMMARY OF QUANTITIES IS AN ESTIMATE.

SIDEWALK

INFO	STATION	STATION	PC CONC SIDEWALK 4 (SQ FT)	DETECTABLE WARNINGS (SQ FT)	COMB CC&G TB6.24 (FOOT)
FAI ROUTE 255/STATE STREET RAMPS					
RMP A	0+30	11+75	178	30	46
RMP B	6+60	22+65	215	37	51
RMP C	0+30	17+00	115	30	48
RMP D	6+69	21+46	163	36	50
TOTAL			671	133	195

PAVEMENT PATCHING

STATION	LOCATION	CL A PATCH T2 10 SPL (SQ YD)	CL A PATCH T4 8 (NOTE 2) (SQ YD)
FAI ROUTE 255			
821+99	SB	24	
933+26	NB	24	
933+39	SB	24	
936+99	NB	36	
937+02	SB	31	
1002+84	SB	24	
1003+06	NB	24	
1018+16	NB	24	
1018+86	SB	24	
1020+06	RMP C (I-64)	10	
1024+70	NB	24	
1024+82	RMP H (I-64)	11	
1025+18	SB	24	
1026+03	RMP C (I-64)	17	
1047+60	RMP D (I-64)	19	
1047+88	SB	24	
1048+36	NB	24	
1048+61	RMP G (I-64)	9	
1054+04	RMP B (I-64)	9	
1054+21	SB	24	
1054+44	NB	24	
1054+67	RMP F (I-64)	19	
1024+68	GORE INLET		116
TOTAL		473	116

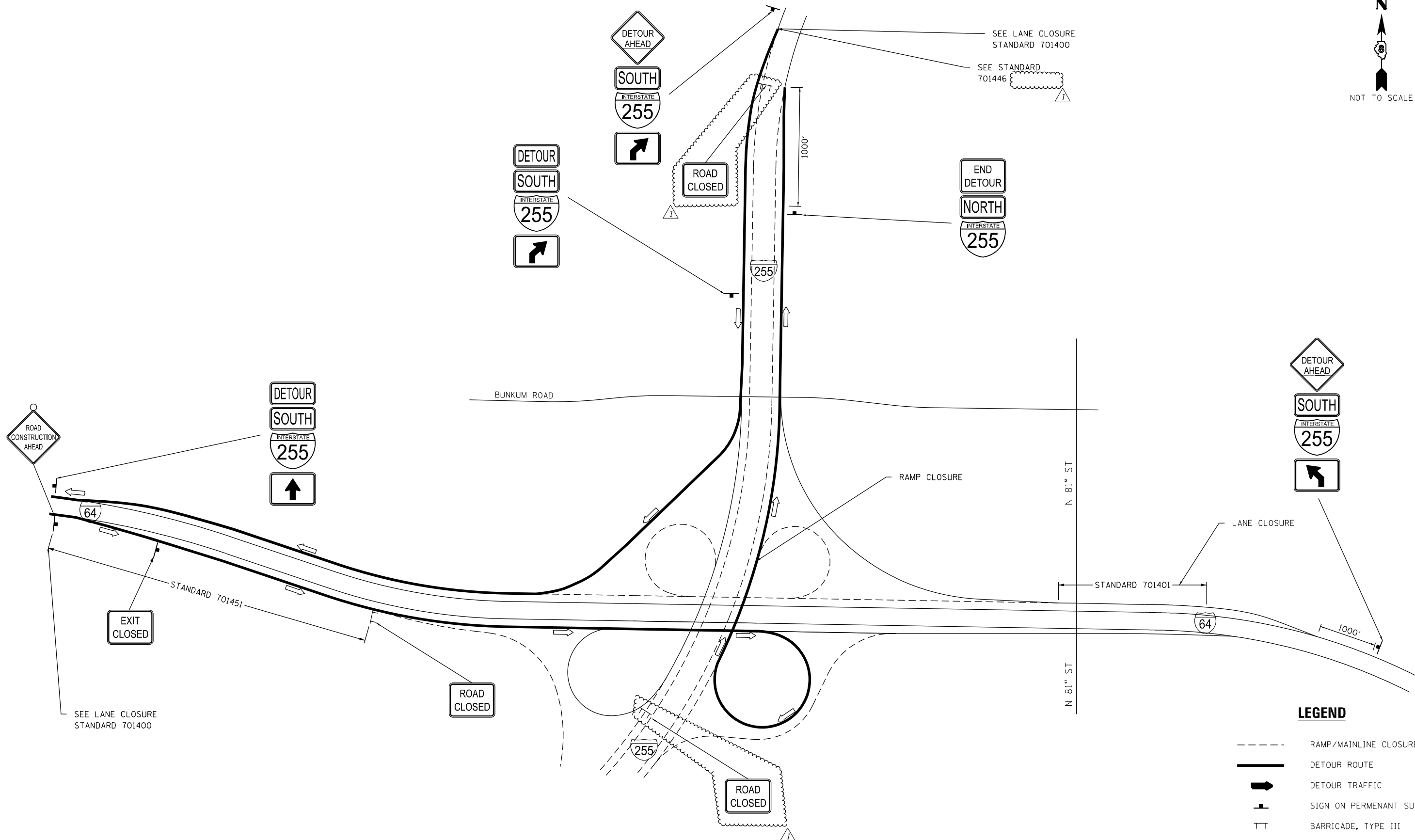
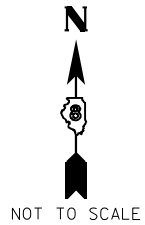
NOTE:

1. SUMMARY OF QUANTITIES INCLUDES APPROXIMATE PAVEMENT PATCHING QUANTITIES NOT SHOWN IN THIS SCHEDULE.
2. NOT A TOTAL QUANTITY, REMAINING QUANTITY IS AN ESTIMATE.

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	41
CONTRACT NO. 76E13				
		ILLINOIS	FED. AID PROJECT	



NUMBER OF LANE/RAMP CLOSURES: 3

REV. 10-31-2019

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




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PLOT DATE = 10/28/2019	DATE -	REVISED -


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255 DETOUR PLANS (DETAIL 5)			
SCALE: NTS	SHEET 6	OF 9 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	56
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



	HMA SURFACE REMOVAL - BUTT JOINT
	PCC SURFACE REMOVAL - BUTT JOINT
	PAVEMENT REMOVAL
	CONCRETE MEDIAN REMOVAL
	PAVED SHOULDER REMOVAL
	CONCRETE BARRIER REMOVAL

 REV. 10-31-2019



EXISTING R.O.W.

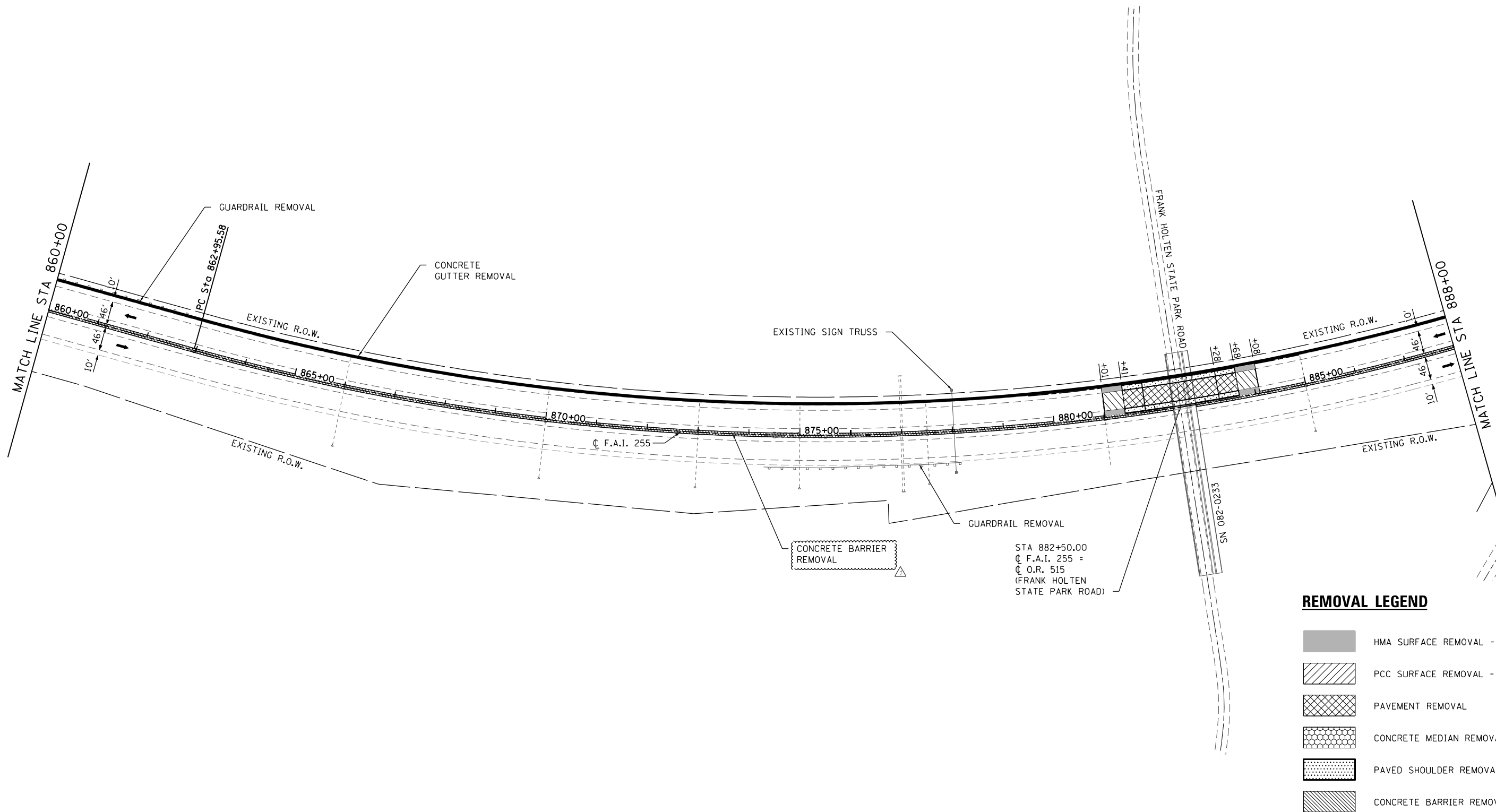
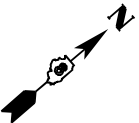
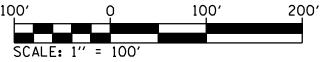
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-255
REMOVAL SHEET**

SCALE: 1" = 100'	SHEET 2	OF 8	SHEETS	STA. 830+00	TO STA. 860+00
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	69
		CONTRACT NO. 76E13		
ILLINOIS		FED. AID PROJECT		

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REMOVAL LEGEND

- HMA SURFACE REMOVAL - BUTT JOINT
- PCC SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- CONCRETE MEDIAN REMOVAL
- PAVED SHOULDER REMOVAL
- CONCRETE BARRIER REMOVAL

REV. 10-31-2019

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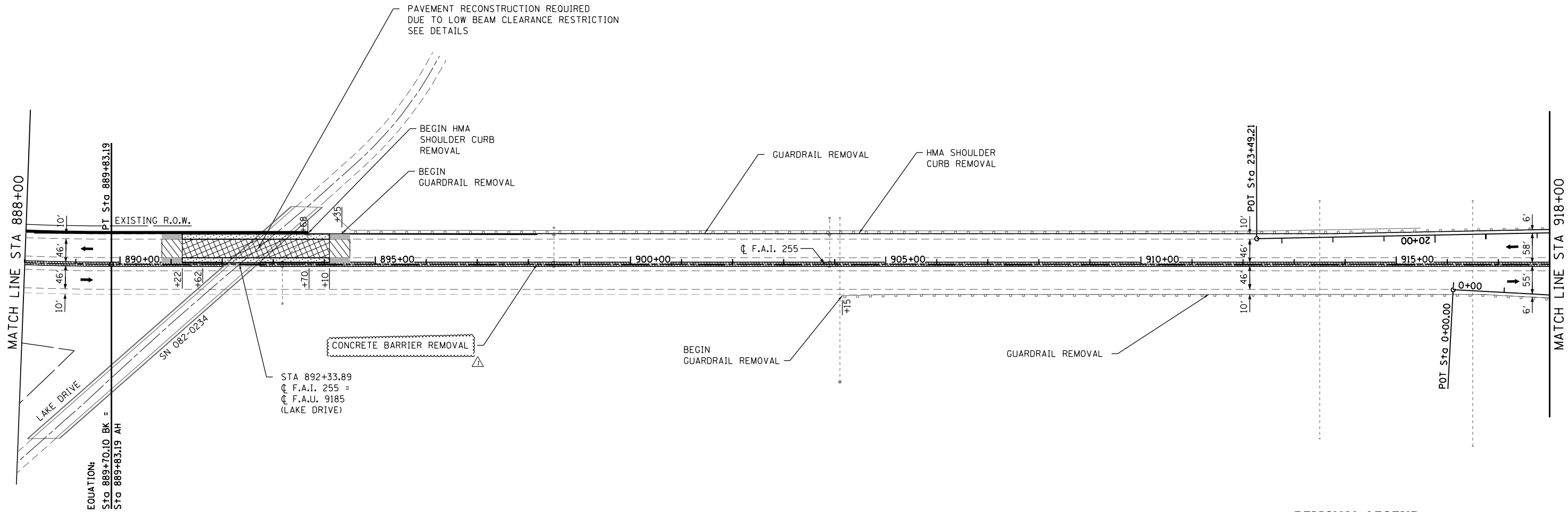
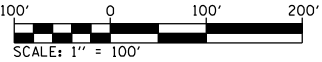
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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

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PLOT DATE = 10/29/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255 REMOVAL SHEET			
SCALE: 1" = 100'	SHEET 3	OF 8 SHEETS	STA. 860+00 TO STA. 888+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	70
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

- HMA SURFACE REMOVAL - BUTT JOINT
- PCC SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- CONCRETE MEDIAN REMOVAL
- PAVED SHOULDER REMOVAL
- CONCRETE BARRIER REMOVAL

REV. 10-31-2019

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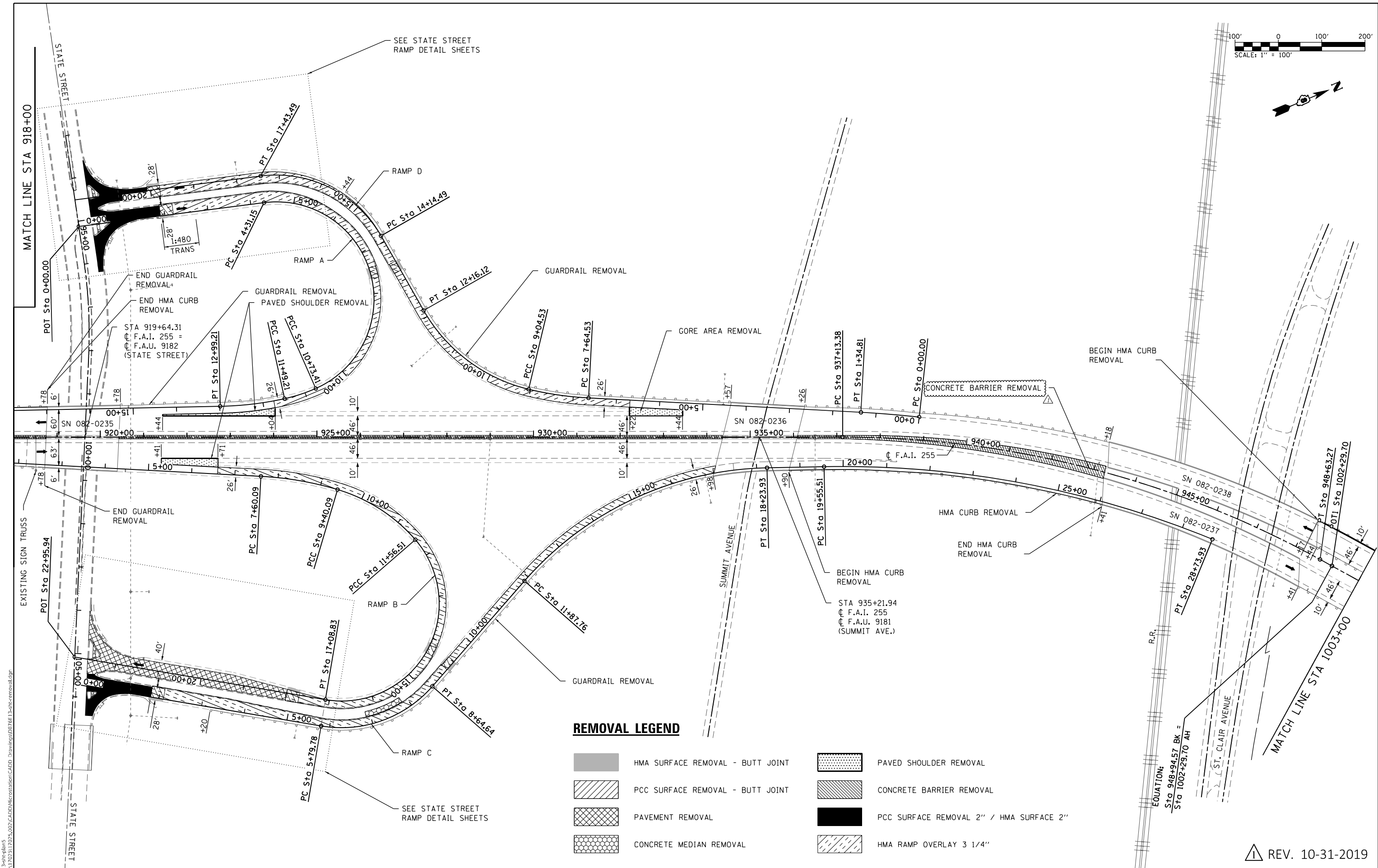
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255
REMOVAL SHEET

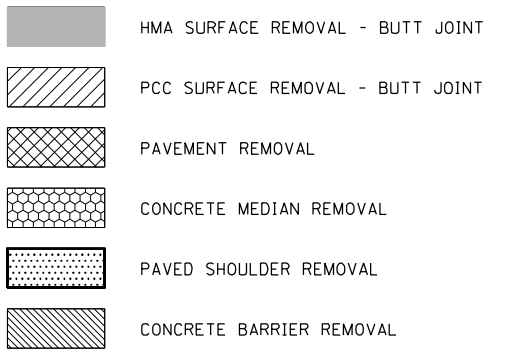
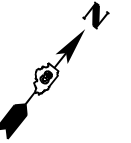
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

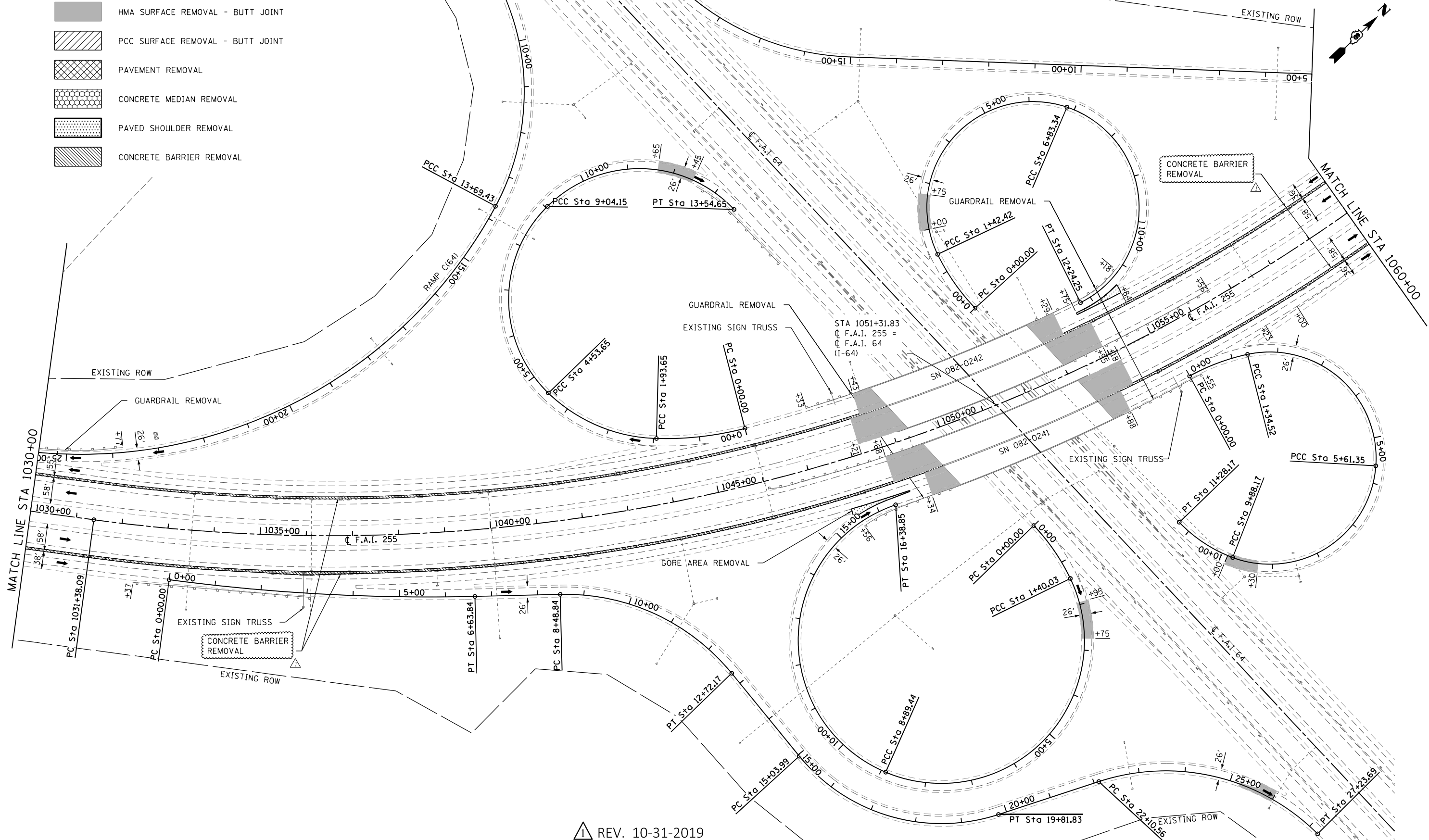
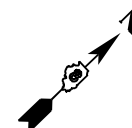
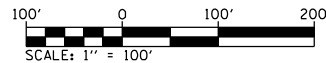
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| | HMA SURFACE REMOVAL - BUTT JOINT | | PAVED SHOULDER REMOVAL |
| | PCC SURFACE REMOVAL - BUTT JOINT | | CONCRETE BARRIER REMOVAL |
| | PAVEMENT REMOVAL | | PCC SURFACE REMOVAL 2" / HMA SURFACE 2" |
| | CONCRETE MEDIAN REMOVAL | | HMA RAMP OVERLAY 3 1/4" |



1 REV. 10-31-2019

REMOVAL LEGEND

- HMA SURFACE REMOVAL - BUTT JOINT
- PCC SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- CONCRETE MEDIAN REMOVAL
- PAVED SHOULDER REMOVAL
- CONCRETE BARRIER REMOVAL



REV. 10-31-2019



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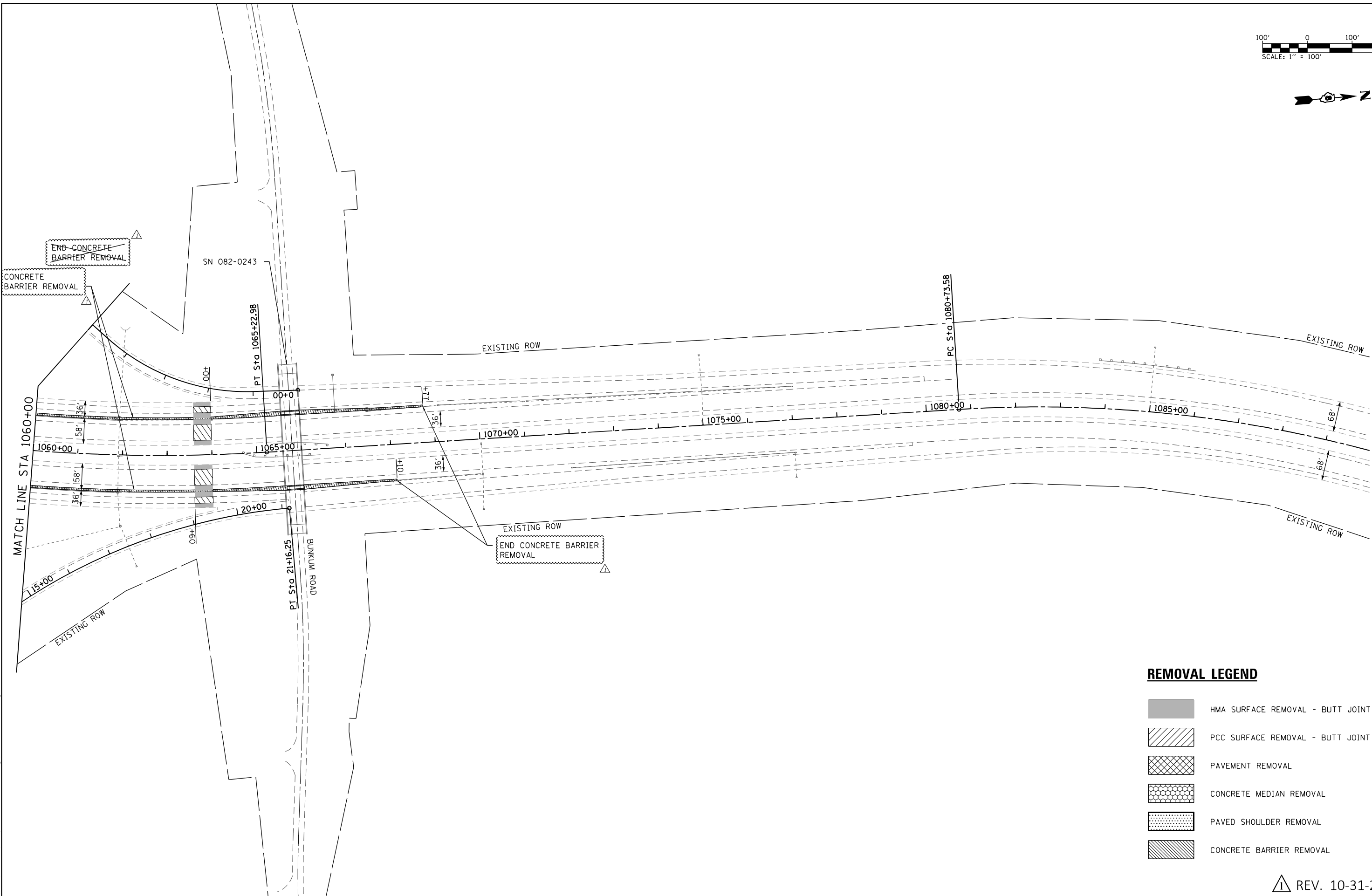
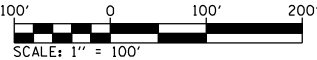
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255
REMOVAL SHEET

SCALE: 1" = 100' SHEET 7 OF 8 SHEETS STA. 1030+00 TO STA. 1060+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	74
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

- HMA SURFACE REMOVAL - BUTT JOINT
- PCC SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- CONCRETE MEDIAN REMOVAL
- PAVED SHOULDER REMOVAL
- CONCRETE BARRIER REMOVAL

REV. 10-31-2019

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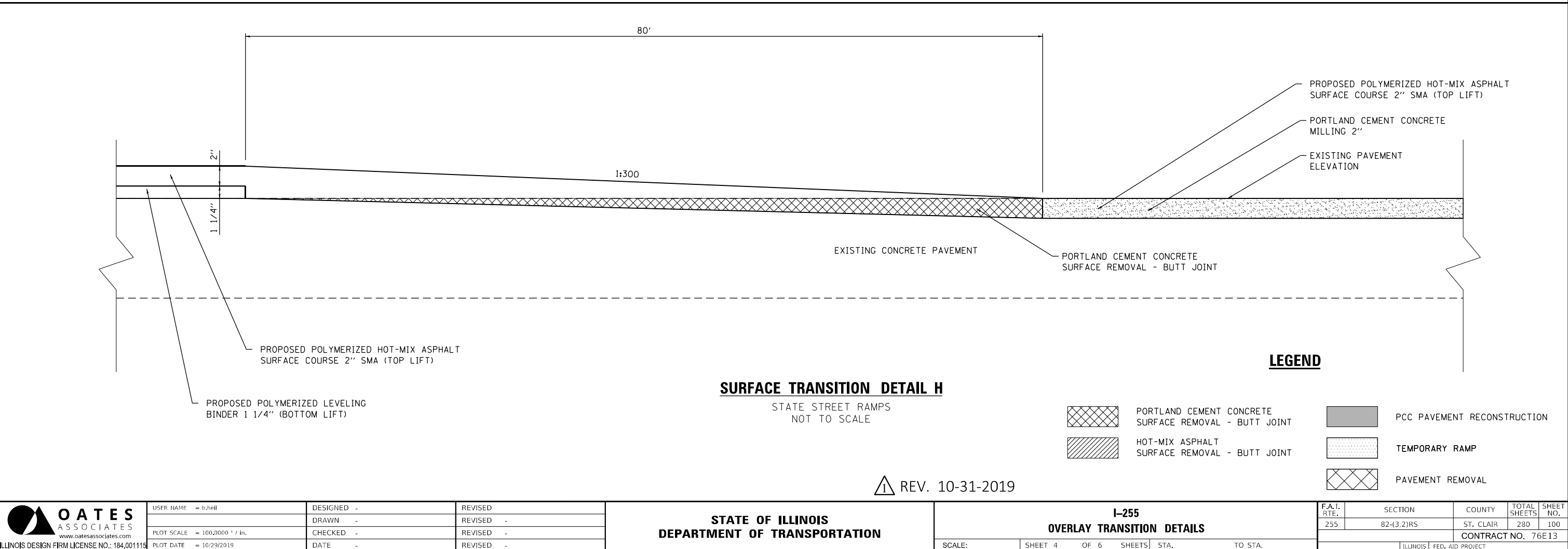
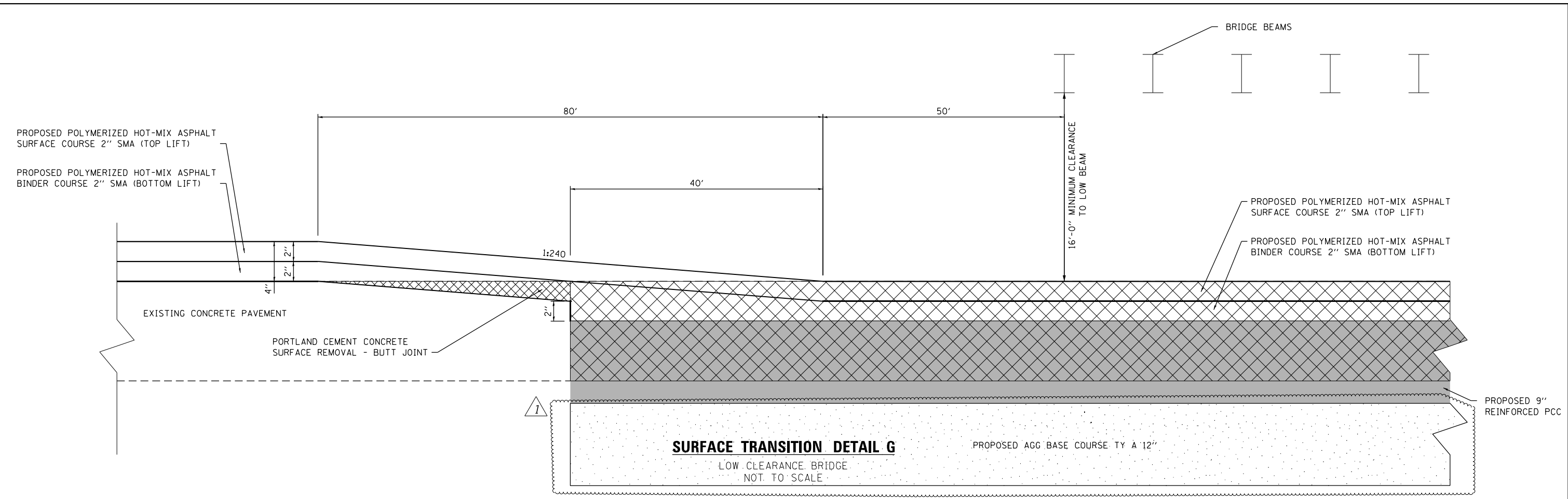
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PLOT DATE = 10/29/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255 REMOVAL SHEET			
SCALE: 1" = 100'	SHEET 8	OF 8 SHEETS	STA. 1060+00 TO STA. 1090+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2,1)RS, 60-7RS	ST. CLAIR	280	75
CONTRACT NO. 76E13				
		ILLINOIS	FED. AID PROJECT	



1 REV. 10-31-2019

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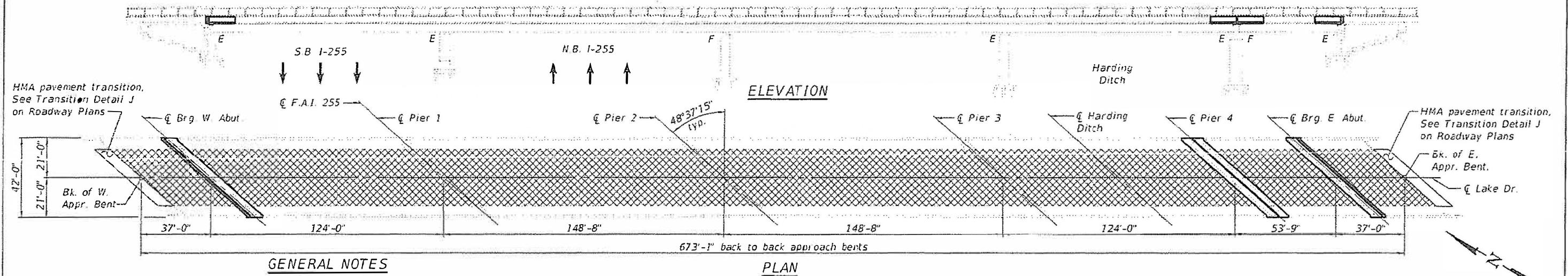


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PLOT DATE = 10/29/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-255 OVERLAY TRANSITION DETAILS			
SCALE:	SHEET 4	OF 6	SHEETS
	STA.		TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	100
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

Stage construction will be utilized to maintain one lane of traffic. See Lake Dr. MOT plans.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Reinforcement bars designated (E) shall be epoxy coated.

Concrete sealer shall be applied to all exposed surfaces of the abutments and Pier 4.

Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.

Joint opening shall be adjusted according to Article 520.04 of the Standard Specifications, when the deck is poured at an ambient temperature other than 50° F.

The new concrete on both sides of the joints shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with the concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of existing concrete.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project. See Special Provisions.

Cleaning and painting of the existing structural steel shall be as specified in the special provisions for "Cleaning and Painting Existing Steel Structures." All structural steel shall be cleaned per Near-White Blast Cleaning SSPC-SP10.

The designated areas cleaned per Near-White Blast Cleaning SSPC-SP10 shall be painted according to the requirements of paint system 1 - OZ/E/U. The color of the final finish coat for all interior steel surfaces shall be Gray (Munsell No. 5B 7/1). The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Reddish Brown (Munsell No. 2.5YR 3/4).

Four high volume air monitors will be requested to monitor air quality during dust producing operations at this site. See Special Provisions for "Containment and Disposal of Lead Paint Cleaning Residues."

Cleaning and painting of the existing aluminum pedestrian fence shall be as specified in the special provisions for "Cleaning and Painting Aluminum Railing." All aluminum railing and fence shall be cleaned and painted. The color of the final finish coat shall be Reddish Brown (Munsell No. 2.5YR 3/4).

The painting contractor shall be SPC-OP 1 and SSPC-OP 2 certified for this project and shall maintain certification throughout the duration of the project.

The Contractor shall use extreme care during concrete removal not to damage the structural steel and pedestrian railing.

Prior to concrete removal at expansion joints, the Contractor shall protect, temporarily support, or remove the section(s) of pedestrian railing at the expansion joints by methods approved by the Engineer. The cost of all work and materials associated with protecting and reinstalling the existing pedestrian railing shall be included with Concrete Superstructure.

Concrete sidewalk beyond bridge approach spans shall be removed and replaced to match the top back of curb at all quadrants of the bridge as directed by the Engineer. Estimated removal limits extend from ends of approach spans to a location where existing sidewalk is approximately level with top back of curb or as directed by the Engineer.

Install Longitudinal Joint Sealant under all longitudinal joints of HMA surface course.

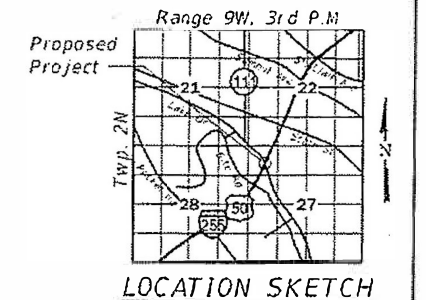
- SCOPE OF WORK**
1. Replace expansion joints at abutments and Pier 4 including ADA sliding plates for expansion joints through sidewalks
 2. Deck slab repair
 3. Install Waterproofing Membrane System and HMA overlay
 4. Repair pedestrian fence
 5. Replace approach sidewalks
 6. Structural repair of concrete on substructure
 7. Repair all girder ends at Pier 4
 8. Repair cross frames at Pier 4
 9. Repair beam ends at east abutment
 10. Paint all structural steel and pedestrian fence
 11. Clean and seal abutments and Pier 4

INDEX OF SHEETS

Sheet No.	Description
1	General Plan & Elevation
2	Stage Construction Details
3	Temporary Concrete Barrier for Stage Construction
4	Deck Slab Repair
5	Joint Removal
6-7	Joint Replacement
8	Joint Details
9-12	Pedestrian Railing Repair
13-14	Preformed Joint Strip Seal
15	Cross Frame Repairs - Pier 4
16-17	Beam Repair Details
18-19	Substructure Concrete Repair
20	Bar Splicer Assembly and Mechanical Splicer Details
21-27	Existing Bridge Plans

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Polymerized Hot-Mix Asphalt Surface Course Mix "E" N90	Ton	181
Portland Cement Concrete Sidewalk 4 Inch	Sq. Ft.	613
Sidewalk Removal	Sq. Ft.	613
Concrete Removal	Cu. Yd.	48.3
Protective Shield	Sq. Yd.	63
Concrete Superstructure	Cu. Yd.	53.3
Protective Coat	Sq. Yd.	143
Furnishing and Erecting Structural Steel	Pound	6,930
Reinforcement Bars, Epoxy Coated	Pound	6,620
Bar Splicers	Each	68
Preformed Joint Strip Seal	Foot	182
Waterproofing Membrane System	Sq. Yd.	2,159
Concrete Sealer	Sq. Ft.	4,768
Structural Steel Removal	Pound	7,200
Structural Steel Repair	Pound	12,600
Containment and Disposal of Lead Paint Cleaning Residues No. 2	L. Sum	1
Cleaning Bridge Seals	Sq. Ft.	4,768
Cleaning and Painting Steel Bridge No. 2	L. Sum	1
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq. Ft.	1,516
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	8
Deck Slab Repair (Partial)	Sq. Yd.	23
Pedestrian Rail (Special)	Foot	265
Cleaning and Painting Aluminum Railing	L. Sum	1
Longitudinal Joint Sealant	Foot	706

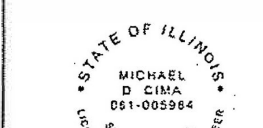


Plans prepared by
Gates Associates, Inc.
Sheets 1-14 and 18-27



DATE: 8/24/2019
EXPIRATION: 11/30/2020

Plans prepared by
Gugg Engineering, Inc.
Sheet 15



DATE: 8/19/19
EXPIRATION: 11/30/20

GENERAL PLAN & ELEVATION
LAKE DRIVE OVER I-255
F.A.I. RTE. 255 - SEC. 82-(3,2)RS
ST. CLAIR COUNTY
STATION 892+38.00
STRUCTURE NO. 082-0234



USER NAME	DESIGNED	REVISION
	MAM	
CHECKED	SJM	REVISED
DRAWN	MAM	REVISED
CHECKED	SJM	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REV. 10-31-2019

SHEET 1 OF 27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	197
				CONTRACT NO. 76E13
ILLINOIS FED AID PROJECT				

GENERAL NOTES

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts.
Bolts 3/4 in. Ø, holes 13/16 in. Ø, unless otherwise noted.

Calculated weight of Structural Steel = 2,880 Lbs.

All structural steel shall be AASHTO M 270 Grade 36, unless otherwise noted

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures." All structural steel located within 5 feet from expansion joints shall be cleaned per Near White Blast Cleaning SSPC-SP10. The designated areas cleaned per Near White Blast Cleaning shall be painted according to the requirements of Paint System 1-OZ/E/U. The color of the final finish coat for all steel surfaces shall be Reddish Brown, Munsell No. 2.5YR, 3/4.

The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop painting of new structural steel except where otherwise noted. The color of the final finish coat for all steel surfaces shall be Reddish Brown, Munsell No. 2.5YR 3/4.

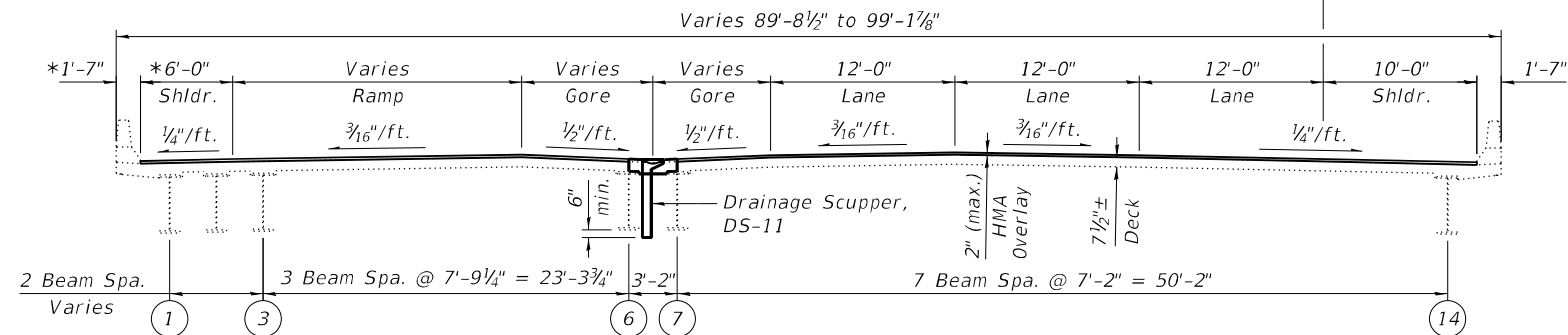
Existing Reinforcement bars extending into removal areas shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

All repair angle materials including structural steel angles, bolts, nuts, and washers shall be galvanized per special provision "Hot Dip Galvanizing for Structural Steel". Cost included in Structural Steel Repair.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the special provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures". Cost included in Structural Steel Repair.

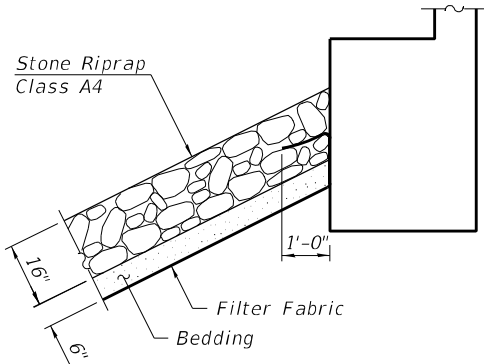
The painting contractor shall be SPC-QP 1 and SSPC-QP 2 certified for this project and shall maintain certification throughout the duration of the project.

Install Longitudinal Joint Sealant under all longitudinal joints of HMA surface course.



CROSS SECTION

(South Bound - Looking North)



RIPRAP DETAIL

A minimum of 2 high volume air monitors will be required to monitor air quality during dust producing operations at this site. See Special Provisions for "Containment and Disposal of Lead Paint Cleaning Residues."

CONCRETE STRENGTHS FOR REPAIRS

Location	f'c (psi)
S. Abut. Backwall	3,500
S. Abut. Wingwall	3,500
N. Abut. Backwall	4,000
N. Abut. Wingwall	4,000
Parapet	4,000
Top of Parapet over wingwall	4,000
Bridge Deck	4,000
Diaphragm	4,000

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Full Depth Type 1)	Sq. Yd.	12
Deck Slab Repair (Partial)	Sq. Yd.	34

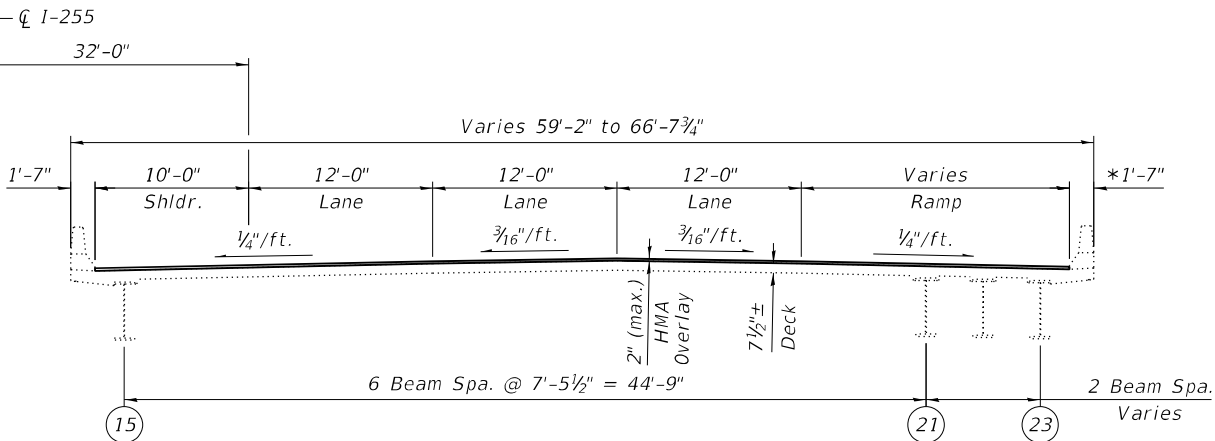
Note:
Deck Slab Repair areas are estimated, and will be field verified and approved by the Engineer prior to starting patching.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
* Channel Excavation	Cu. Yd.		2,616	2,616
** Stone Riprap, Class A4	Sq. Yd.		2,642	2,642
Filter Fabric	Sq. Yd.		2,642	2,642
Polymerized HMA Surface Course, Mix "E" N90	Ton	378		378
Concrete Removal	Cu. Yd.	70.8	50.1	120.9
Structure Excavation	Cu. Yd.		50.2	50.2
Concrete Structures	Cu. Yd.		22.7	22.7
Concrete Superstructure	Cu. Yd.	230.0		230.0
*** Protective Coat	Sq. Yd.	135		135
Reinforcement Bars, Epoxy Coated	Pound	27,690	4,990	32,680
Waterproofing Membrane System	Sq. Yd.	4,489		4,489
**** Controlled Low-Strength Material	Cu. Yd.		3	3
Structural Steel Repair	Pound	2,880		2,880
Containment and Disposal of Lead Paint Cleaning Residue, Bridge No. 6	L Sum	1		1
Cleaning and Painting Steel Bridge No. 6	L Sum	1		1
Containment and Disposal of Lead Paint Cleaning Residue, Bridge No. 18	L Sum	1		1
Cleaning and Painting Steel Bridge No. 18	L Sum	1		1
Structural Repair of Concrete (Depth Equal to or Less than 5")	Sq. Ft.		328	328
Deck Slab Repair (Full Depth Type 1)	Sq. Yd.	12		12
Deck Slab Repair (Partial)	Sq. Yd.	34		34
Drainage Scupper, DS-11	Each	3		3
Longitudinal Joint Sealant	Foot	2,970		2,970

- * Quantity is estimated. Contractor shall field verify.
- ** Place riprap on slope between abutment and pier from edge of deck to edge of deck on both structures.
- *** Applied on new concrete deck, top and inside face of new parapets only.
- **** Quantities are estimated. The Engineer shall determine the actual locations, and record them in the As-Built plans.

Note:
2" Overlay consists of 1/2" Waterproofing Membrane with 1 1/2" HMA surface layer.



CROSS SECTION

(North Bound - Looking North)

REV. 10-31-2019

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QUIGG ENGINEERING INC

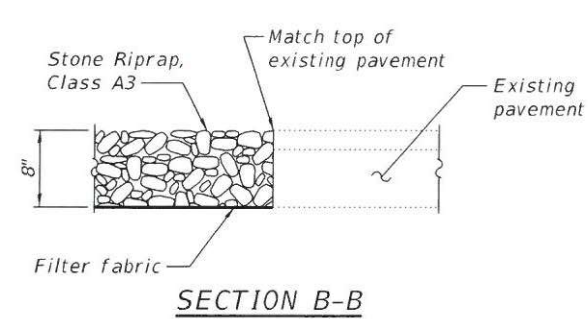
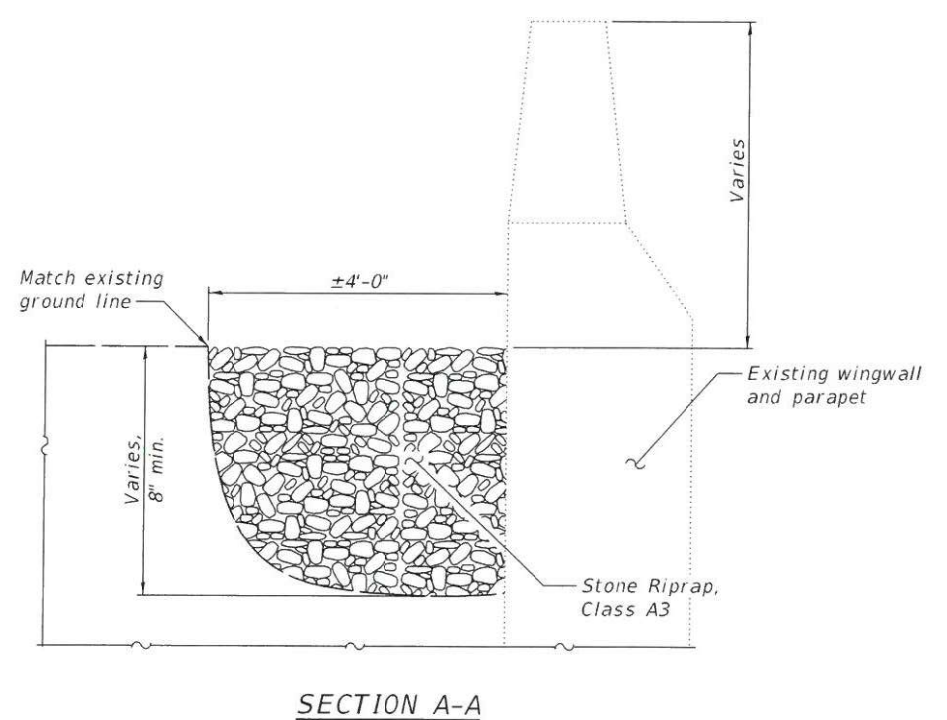
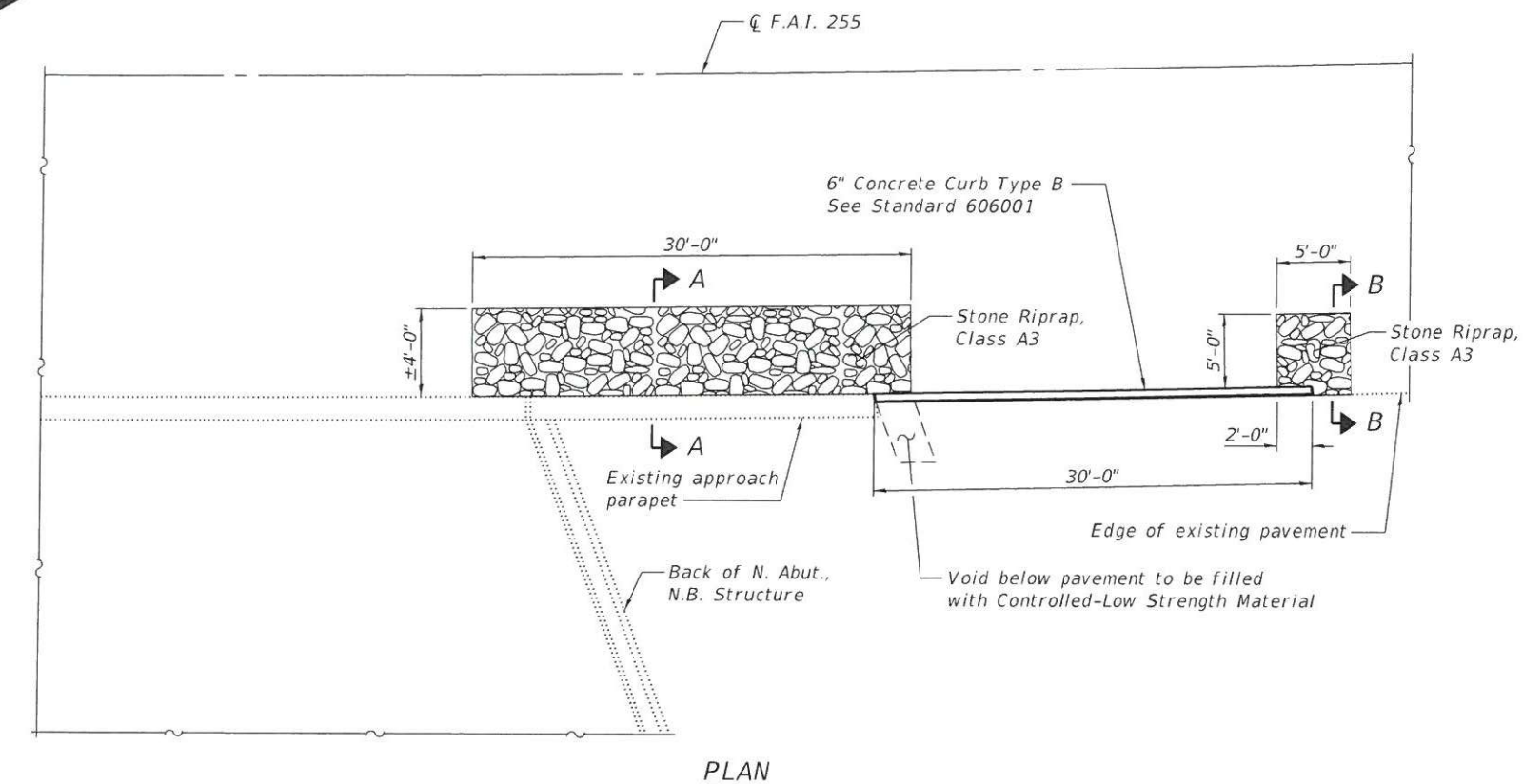
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 082-0239 & 082-0240

SHEET 2 OF 15 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	258
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project. See Special Provisions.

1 Cleaning and painting of the existing structural steel shall be as specified in the Special Provisions for "Cleaning and Painting Steel Structures." All structural steel located within 5 feet from expansion joints ~~interior surface and bottom flange of the fascia beam for the entire length of the structure~~ shall be cleaned per Near-White Blast Cleaning SSPC-SP10.

The designated areas cleaned per Near-White Blast Cleaning SSPC-SP10 shall be painted according to the requirements of paint system 1 - 0Z/E/U. The color of the final finish coat shall be Reddish Brown (Munsell No. 2.5YR 3/4).

A minimum of 2 high volume air monitors will be required to monitor air quality during dust producing operations at this site. See Special Provisions for "Containment and Disposal of Lead Paint Cleaning Residues."

The painting contractor shall be SPC-QP 1 and SSPC-QP 2 certified for this project and shall maintain certification throughout the duration of the project.

Care shall be taken not to damage rubber bearing or joint components during the blasting and cleaning operations. Any damage to these components shall be repaired at the Contractor's expense.

INDEX OF SHEETS

Sheet No.	Description
1	Details
2-9	Existing Bridge Plans

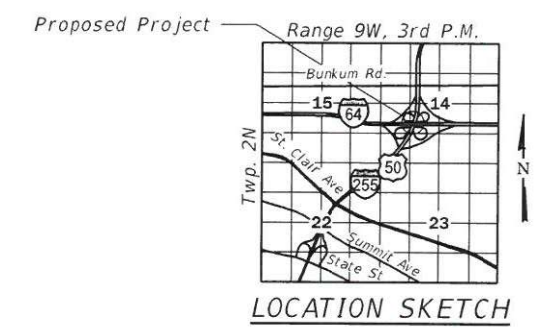
SCOPE OF WORK

1. Paint structural steel near beam ends
2. Construct concrete curb
3. Fill void under pavement with CLSM
4. Place riprap

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
① Stone Riprap, Class A3	Sq. Yd.	17
Filter Fabric	Sq. Yd.	3
① Controlled Low-Strength Material	Cu. Yd.	4.0
Concrete Curb, Type B	Foot	30
Containment and Disposal of Lead Paint Cleaning Residues No. 7	L. Sum	1
Containment and Disposal of Lead Paint Cleaning Residues No. 19	L. Sum	1
Cleaning and Painting Steel Bridge No. 7	L. Sum	1
Cleaning and Painting Steel Bridge No. 19	L. Sum	1

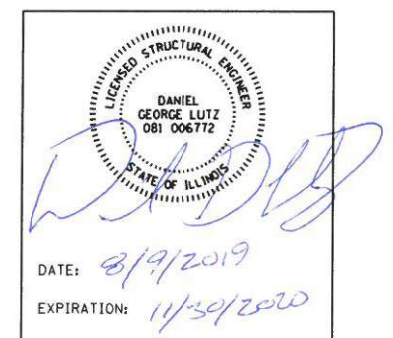
Notes:
① Estimated quantities. Field conditions shall be verified prior to ordering of materials.



DETAILS

I-255 OVER I-64
F.A.I. RTE. 255 - SEC. 82-(3,2)RS
ST. CLAIR COUNTY
STATION 1051+31.83
STRUCTURE NO. 082-0241 (NB)
STRUCTURE NO. 082-0242 (SB)

REV. 10-31-2019



FILE NAME: H:\P170251\7025 003\Bridges\Microstation\0820241_0242-76E13-001_Details.dgn



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PLOT DATE = 8/2/2019	DRAWN - MAM	REVISED -
	CHECKED - SJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-(3,2)RS	ST. CLAIR	280	272
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. ILLINOIS STATE LAW REQUIRES A 48 HOUR NOTICE TO BE GIVEN TO ALL UTILITIES IN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E., OR FOR NON-MEMBERS BY CONTACTING THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- | | |
|--|---|
| <ul style="list-style-type: none"> • AMEREN ILLINOIS • AT&T CORPORATION • CHARTER COMMUNICATIONS, INC • CITY OF COLLINSVILLE • LEVEL 3 COMMUNICATIONS • PAETEC • VILLAGE OF GLEN CARBON | <ul style="list-style-type: none"> • AT&T ILLINOIS • CENTERPOINT ENERGY • CONSOLIDATED COMMUNICATIONS • ILLINOIS AMERICAN WATER COMPANY • MADISON COUNTY SPECIAL SERVICE AREA #1 • MITCHELL PUBLIC WATER DISTRICT • SOUTHWESTERN ELECTRIC COOPERATIVE, INC |
|--|---|

(MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 ARE INDICATED BY •
NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.)

2. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT LIMITED SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPOGRAPHY SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS. BOTH SHALL BE ASSUMED APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

3. THE THICKNESS OF HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS TO THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

4. A QUANTITY OF 3550 FEET OF TEMPORARY PAVEMENT MARKING - LINE 6" WHITE HAS BEEN INCLUDED IN THE PLANS FOR PAINTING THE BOTTOM 6" OF THE TEMPORARY CONCRETE BARRIER AT FOREST BOULEVARD AND BUNKUM ROAD.

5. COORDINATION WITH THE DEPARTMENT'S BUREAU OF OPERATIONS IS REQUIRED BEFORE TRENCHING SHALL BE DONE TO LOCATE HIGHWAY LIGHTING/PUMP STATION/INTELLIGENT TRANSPORTATION FACILITIES AND TO COORDINATE OTHER FIELD ACTIVITIES.

6. IF THE CONTRACTOR, FOR HIS CONSTRUCTION ACTIVITY, REMOVES TREES WITHIN THE RIGHT-OF-WAY LIMITS WHICH ARE NOT DESIGNATED ON THE PLANS FOR REMOVAL, I.E. IN ORDER TO GAIN ACCESS TO THE PROJECT SITE; IT WILL BE HIS RESPONSIBILITY TO REPLACE THE TREES AT A 1:1 RATIO. THE TREES WILL BE REPLACED WITH A 1 GALLON NATIVE ILLINOIS TREE SPECIES AND SHALL BE APPROVED BY THE ENGINEER. THE TREE REMOVAL AND TREE REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

7. PROPERTY LINES AND/OR EXISTING ROW SHOWN IS APPROXIMATE.

8. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR INTELLIGENT TRANSPORTATION SYSTEMS (I.T.S.) UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR I.T.S. EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS.

9. EXISTING BRIDGE PLANS ARE AVAILABLE FOR REVIEW UPON REQUEST AT THE DISTRICT OFFICE.

10. 32. CHANGEABLE MESSAGE BOARDS SHALL BE REQUIRED FOR THIS PROJECT PER THE TRAFFIC CONTROL PLANS. THEY SHALL BE PLACED TWO WEEKS PRIOR TO ANY LANE CLOSURE. THE CHANGEABLE MESSAGE BOARDS SHALL BE PLACED PER THE TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER.

11. THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.

12. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN THE HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSE WORK (CAPABILITY, CONCRETE, PLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS, USE, ETC.), AND OSHA 10 HOUR CERTIFICATION. TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES AND BE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS, CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.

13. FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

HOT-MIX ASPHALT BASE COURSE	0.056	TON/SQ YD/IN
HOT-MIX ASPHALT SURFACE COURSE	0.056	TON/SQ YD/IN
AGGREGATE (SURFACE, BASE, & BACKFILL)	2.05	TON/CU YD
RIP RAP	1.5	TON/CU YD

14. AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AS STATED ABOVE AT THE CONTRACTOR'S EXPENSE.

15. SEEDING, CLASS 2A AND MULCH, METHOD 2 ARE TO BE PLACED AS SOON AS EARTHWORK IS COMPLETED.

16. THE CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS REQUIRED TO IMPRINT PAVEMENT STATION NUMBERS IN THE FINISHED SURFACE OF THE PAVEMENT AND/OR OVERLAY. THE NUMBERS SHALL BE APPROXIMATELY 3/4 INCHES WIDE, 5 INCHES HIGH, AND 5/8 INCHES DEEP. THE PAVEMENT STATION NUMBERS SHALL BE INSTALLED AS SPECIFIED HEREIN:

INTERVAL - 250 FEET

BOTTOM OF NUMBERS - 6 INCHES FROM THE INSIDE EDGE OF THE PAVEMENT MARKING

LOCATION

- 2, 3, & 5 LANE PAVEMENTS - RIGHT EDGE OF PAVEMENT IN DIRECTION OF INCREASING STATIONS
- MULTI-LANE DIVIDED ROADWAYS - OUTSIDE EDGE OF PAVEMENT IN BOTH DIRECTIONS
- RAMPS - ALONG BASELINE EDGE OF PAVEMENT

POSITION - STATIONS SHALL BE PLACED SO THEY CAN BE READ FROM THE ADJACENT SHOULDER

FORMAT - "XX+XX, WHERE X REPRESENTS THE PAVEMENT STATION

THE STAMPED STATIONS SHALL BE FILLED WITH SAND IMMEDIATELY AFTER STAMPING AND PRIOR TO ADDITIONAL ROLLING

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF THE ASSOCIATED PAVEMENT AND/OR OVERLAY PAY ITEMS

17. CONNECTING OF NEW OR EXISTING PIPE DRAINS TO NEW OR EXISTING DRAINAGE STRUCTURES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF A DRAINAGE STRUCTURE, PIPE DRAINS SHALL BE PLACED OR CUT FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTOR TO PROVIDE A SMOOTH, ROUNDED, OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PIPE DRAINS AND DRAINAGE STRUCTURES INVOLVED.

18. ALL NEW TRAFFIC BARRIER TERMINALS SHALL BE CORED. NO DRILLING WILL BE PERMITTED INTO PARAPET WALLS, MEDIANS, PIERS, ETC. ACCORDING TO STANDARD SPECIFICATIONS 631.07. THE COST WILL BE INCLUDED IN THE TYPE OF TRAFFIC BARRIER TERMINAL BEING CONSTRUCTED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK, ANY DAMAGE TO PARAPET WALLS, MEDIANS, PIERS, ETC. WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT HIS/HER EXPENSE.

19. SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, AND FINAL ASPHALT SURFACE ON BUNKUM ROAD AND FOREST BOULEVARD. SHORT TERM PAVEMENT MARKING REMOVAL SHALL BE PAID FOR THE FINAL SURFACE ONLY.

20. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT INTERCHANGES, ENTRANCES AND SIDE STREETS WHERE WORK IS BEING CONDUCTED AS DIRECTED BY THE RESIDENT ENGINEER. ALL CONSTRUCTION SIGNS SHALL BE FLOURESCENT ORANGE. THIS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION. THESE SIGNS SHALL BE 48" X 48".

21. SHOULDER WIDENING FOR THE TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT SHALL BE INCLUDED IN THE UNIT PRICE OF THE TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT AND CONSTRUCTED ACCORDING TO STANDARD 630301.

22. REFER TO THE CSX TRANSPORTATION PUBLIC PROJECT INFORMATION MANUAL FOR ADDITIONAL REQUIREMENTS NEEDED FOR WORKING ON /ADJACENT TO CSXT. SPECIFIC SECTIONS THAT PERTAIN TO THIS PROJECT ARE: SPECIAL PROVISIONS FOR CONSTRUCTION NEAR CSXT PROPERTY, OVERHEAD BRIDGE CRITERIA, CONSTRUCTION SUBMISSION CRITERIA, AND INSURANCE FOR PUBLIC PROJECTS.

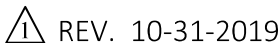
23. CONTRACTOR ACCESS WILL BE LIMITED TO THE IMMEDIATE PROJECT AREA ONLY. THE CSXT RIGHT-OF-WAY OUTSIDE THE PROJECT AREA MAY NOT BE USED FOR CONTRACTOR ACCESS TO THE PROJECT SITE.

24. TEMPORARY CONSTRUCTION CLEARANCE - ENSURE ALL FALSEWORK, BRACING OR FORMS HAVE A MINIMUM HORIZONTAL CLEARANCE OF 12 FEET MEASURED PERPENDICULAR TO THE CENTERLINE OF THE NEAREST TRACK, AND A MINIMUM VERTICAL CLEARANCE OF 22 FEET AS MEASURED FROM THE TOP OF RAIL PROFILE.

25. THE CONTRACTOR MAY NOT USE CSXT RIGHT-OF-WAY FOR STORAGE OF MATERIALS OR EQUIPMENT DURING CONSTRUCTION WITHOUT PRIOR CSXT APPROVAL. THE CSXT RIGHT-OF-WAY MUST REMAIN CLEAR FOR RAILROAD USE AT ALL TIMES. EQUIPMENT MAY NOT BE POSITIONED TO BLOCK THE RAILROAD ACCESS ROAD, TRACK AREA OR ANY PART OF THE CSXT RIGHT-OF-WAY WITHOUT PRIOR CSXT APPROVAL.

COMMITMENTS

NONE



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SUMMARY OF QUANTITIES				CONSTRUCTION CODE									
				90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN
				0005	0013	0013	0013	0013	0013	0013	0013	0013	0013
				ROADWAY	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE
CODE NO	ITEM	UNIT	TOTAL		S.N. 082-0243	S.N. 082-0244	S.N. 082-0245	S.N. 082-0246	S.N. 082-0247	S.N. 082-0248	S.N. 082-0249	S.N. 082-0269	S.N. 082-0270
20200100	EARTH EXCAVATION	CU YD	920	920									
25000210	SEEDING, CLASS 2A	ACRE	0.50	0.50									
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	44	44									
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	44	44									
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	44	44									
25100115	MULCH, METHOD 2	ACRE	0.50	0.50									
25100630	EROSION CONTROL BLANKET	SQ YD	2314	2314									
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	1814	1814									
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	259	259									
28000400	PERIMETER EROSION BARRIER	FOOT	12457	12457									
28000500	INLET AND PIPE PROTECTION	EACH	46	46									
28100105	STONE RIPRAP, CLASS A3	SQ YD	7888	7388			226	226	4	27			17
28100107	STONE RIPRAP, CLASS A4	SQ YD	194				124		70				
28200200	FILTER FABRIC	SQ YD	8082	7388			350	226	4	97			17

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REV. 10-31-2019
REV. - MS



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PLOT DATE = 9/6/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 18 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-1RS	ST. CLAIR	316	4
CONTRACT NO. 76E13				
ILLINOIS		FED. AID PROJECT		

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USER NAME = PWICSS	DESIGNED -	REVISED -
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PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/6/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 18 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-1RS	ST. CLAIR	316	7
CONTRACT NO. 76E13				
		ILLINOIS	FED. AID PROJECT	

REV. 10-31-2019

SUMMARY OF QUANTITIES				CONSTRUCTION CODE									
				90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN	90% FEDERAL 10% STATE URBAN
				0005 ROADWAY	0013 BRIDGE	0013 BRIDGE	0013 BRIDGE	0013 BRIDGE	0013 BRIDGE	0013 BRIDGE	0013 BRIDGE	0013 BRIDGE	0013 BRIDGE
					S.N. 082-0243	S.N. 082-0244	S.N. 082-0245	S.N. 082-0246	S.N. 082-0247 S.N. 082-0248	S.N. 082-0249 S.N. 082-0250	S.N. 082-0269	S.N. 082-0270	
CODE NO	ITEM	UNIT	TOTAL										
44200559	CLASS A PATCHES, TYPE IV, 10 INCH	SQ YD	1700	1700									
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	260	260									
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	350	350									
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	260	260									
44201299	DOWEL BARS 1 1/2"	EACH	960	960									
44213000	PATCHING REINFORCEMENT	SQ YD	5750	5750									
44213200	SAW CUTS	FOOT	29527	29527									
44213204	TIE BARS 3/4"	EACH	454	454									
45200300	JOINT OR CRACK FILLING	POUND	2100				300		600	600	300	300	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	31	31									
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	919	919									
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SQ YD	4621	4621									
48203100	HOT-MIX ASPHALT SHOULDERS	TON	17154	17154									
48300300	PORTLAND CEMENT CONCRETE SHOULDERS 8"	SQ YD	3878	3878									

SUMMARY OF QUANTITIES				CONSTRUCTION CODE									
				90% FEDERAL 10% STATE URBAN 0005 ROADWAY	90% FEDERAL 10% STATE URBAN 0013 BRIDGE S.N. 082-0243	90% FEDERAL 10% STATE URBAN 0013 BRIDGE S.N. 082-0244	90% FEDERAL 10% STATE URBAN 0013 BRIDGE S.N. 082-0245	90% FEDERAL 10% STATE URBAN 0013 BRIDGE S.N. 082-0246	90% FEDERAL 10% STATE URBAN 0013 BRIDGE S.N. 082-0247 S.N. 082-0248	90% FEDERAL 10% STATE URBAN 0013 BRIDGE S.N. 082-0249 S.N. 082-0250	90% FEDERAL 10% STATE URBAN 0013 BRIDGE S.N. 082-0269	90% FEDERAL 10% STATE URBAN 0013 BRIDGE S.N. 082-0270	
CODE NO	ITEM	UNIT	TOTAL										
50800530	MECHANICAL SPLICERS	EACH	247			40		207					
51100100	SLOPE WALL 4 INCH	SQ YD	67					67					
51500100	NAME PLATES	EACH	1					1					
52000110	PREFORMED JOINT STRIP SEAL	FOOT	521		84	63				234	62	78	
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	50			6				28	8	8	
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	28			6				14	4	4	
52100030	ELASTOMERIC BEARING ASSEMBLY, TYPE III	EACH	7					7					
52100510	ANCHOR BOLTS, 3/4"	EACH	28							28			
52100520	ANCHOR BOLTS, 1"	EACH	98			24		14		28	16	16	
52100540	ANCHOR BOLTS, 1 1/2"	EACH	58					14		28	8	8	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	5	5									
54262712	METAL FLARED END SECTIONS 12"	EACH	41	41									
542A2749	PIPE CULVERTS, CLASS A, TYPE 4 24"	FOOT	12	12									
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	37810	37810		1689	2867	2162		25957	3358	796	984

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REV. - MS

SHOULDERS																	
STATION				AGGREGATE BASE COURSE, TYPE A	MEDIAN SURFACE REMOVAL PARTIAL DEPTH	PAVED SHOULDER REMOVAL	AGGREGATE SHOULDERS, TYPE B	AGGREGATE WEDGE SHOULDERS, TYPE B	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SHOULDERS	HOT-MIX ASPHALT SHOULDERS, 10"	PORTLAND CEMENT CONCRETE SHOULDERS		PROTECTIVE COAT	SHOULDERS RUMBLE STRIPS, 16"	P.C. CONCRETE BRIDGE APPROACH SHOULDER PAVEMENT (SPECIAL)	BRIDGE APPROACH SHOULDER REMOVAL
												8 INCH	10 INCH				
				TON	SQ FT	SQ YD	TON	TON	POUND	TON	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	SQ YD	SQ YD
F.A.I. 255																	
1063+20.00 TO 1145+94.11	LT			700	1729	2747	5	143	17540	4366	273	2048	9	2355	17544		
1063+20.00 TO 1147+11.20	RT			625	569	2551	6	143	17468	4348	456	1829	9	1871	17640	33	33
1148+94.80 TO 1167+61.14	LT					2041	2		3288	818	1618		29	360	3990	33	33
1149+73.66 TO 1167+04.38	LT/RT							57									
1150+00.18 TO 1166+90.20	RT					1781	2		2942	732	1401		28	116	3563	88	88
1187+59.56 TO 1233+59.54	LT					998	4	135	8604	2142	822		20	107	9330	87	87
1188+25.95 TO 1233+74.01	RT					204	4	140	8916	2219	50		18	110	9632	92	92
1236+24.31 TO 1243+53.06	LT						2	16	855	311				52	1193	52	52
1236+36.15 TO 1244+05.25	RT						2	22	1279	318				53	1310	53	53
RAMP A																	
0+00.00 TO 17+80.00	LT							30	1122	143					1800		
0+00.00 TO 17+80.00	RT							28	708	227					1800		
RAMP E																	
2+35.00 TO 19+27.73	LT							30	726	147					1904		
2+35.00 TO 21+15.38	RT							32	1153	233					1881		
RAMP 8																	
100+00.00 TO 100+78.18	LT								146	30					100		
100+00.00 TO 101+04.34	RT							1	45	9				20	103	20	20
103+80.87 TO 113+34.56	LT							15	351	71				22	894		
104+15.58 TO 113+54.10	RT							13	493	100					896	22	22
RAMP 9																	
100+21.83 TO 107+99.40	LT						1	11	267	54				15	686	15	15
100+36.31 TO 107+80.60	RT						1	9	324	66				23	689	23	23
110+90.88 TO 119+18.65	RT							13	480	97				22	830	22	22
111+44.67 TO 118+53.12	LT							11	286	58				17	831	17	17
RAMP 10																	
98+49.31 TO 115+65.93	RT							26	859	174					1632		
101+60.11 TO 115+67.73	LT						1	24	635	129					1605		
BUNKUM RD																	
222+61.09 TO 197+64.06	RT							1	29	4				12	50	12	12
222+61.17 TO 223+11.21	LT							1	28	4				13	50	13	13
226+90.09 TO 227+40.11	RT							1	32	4				9	50	9	9
226+90.13 TO 227+00.45	LT							1	32	4				9	50	9	9
FOREST BLVD																	
195+45.36 TO 197+64.06	RT							3	157	78				16	219	16	16
195+45.36 TO 198+00.86	LT							4	194	97				8	246	8	8
203+99.87 TO 206+55.33	RT							3	195	97				8	246	8	8
204+07.52 TO 206+55.33	LT							4	157	78				17	219	17	17
TOTAL				1325	2298	10322	31	919	69310	17154	4621	3878	115	5237*	80981	651	651

*QUANTITY ALSO SHOWN ON CURB & GUTTER AND MEDIANS

DEBRIS REMOVAL	
LOCATION	DEBRIS REMOVAL
	L SUM
F.A.I. 255	
1074+76.88 TO 1075+15.00	RT 1
TOTAL	
1	

LIGHTING REMOVAL	
LOCATION	REMOVAL OF LIGHTING UNIT, NO SALVAGE
	EACH
F.A.I. 255	
1064+73.82 LT	1
1065+00.88 RT	1
1067+80.48 LT	1
TOTAL	
3	

MISCELLANEOUS	
STATION	GRANITE BLOCK REPLACEMENT
	SQ FT
F.A.I. 255	
1063+20.00 TO 1242+95.00	LT/RT 100
TOTAL	
100	

PATCHING																					
STATION			CLASS A PATCHES,								CLASS B, PATCHES,			LONGITUDINAL PARTIAL DEPTH PATCHING	LONGITUDINAL PARTIAL DEPTH REMOVAL, 1 1/2"	PATCHING REINFORCEMENT	SAW CUTS	WELDED WIRE REINFORCEMENT	DOWEL BARS, 1 1/2"	TIE BARS 3/4"	
			TYPE I,		TYPE II,		TYPE II, 10" (SPECIAL)	TYPE III,		TYPE IV,		TYPE II, 10"	TYPE III, 10"								TYPE IV, 10"
			8"	10"	8"	10"		8"	10"	8"	10"										
			SQ YD	SQ YD	SQ YD	SQ YD		SQ YD	SQ YD	SQ YD	SQ YD										
F.A.I. 255			20	550	40	1100		80	2200	60	1700	260	350	260	170	6800	5750	29527	610	960	454
1144+67.88	TO	144+74.07	LT					24													
1145+54.45	TO	1145+60.38	RT					24													
1150+44.31	TO	1150+50.38	LT					24													
1151+61.74	TO	1151+67.75	RT					24													
1165+32.63	TO	1165+38.70	RT					24													
1166+11.38	TO	1166+17.45	LT					24													
1188+99.34	TO	1189+05.29	LT					24													
1189+72.66	TO	1189+78.76	RT					24													
1232+22.92	TO	1232+28.64	LT					24													
1232+42.27	TO	1232+47.81	RT					24													
TOTAL			20	550	40	1100	240	80	2200	60	1700	260	350	260	170	6800	5750	29527	610	960	454

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
SHOULDERS, PATCHING, AND REMOVALS, MISCELLANEOUS

SCALE: SHEET 8 OF 10 SHEETS STA. TO STA.

F.A.I. RTE. 255	SECTION 82-1RS	COUNTY ST. CLAIR	TOTAL SHEETS 316	SHEET NO. 37
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Concrete Sealer shall be applied to the designated areas of the abutments. The painting Contractor shall be SSPC-QP 1 and SSPC-QP 2 certified for this project and shall maintain certification throughout the duration of the project.

Cleaning and Painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All beams, bearings and other structural steel within the length (measured along beam) shown in the GIRDER PAINTING LIMITS TABLE, of either side of deck joints, shall be cleaned per Near White Blast Cleaning - SSPC-SP10. The designated areas cleaned per Near White Blast Cleaning shall be painted according to the requirements of Paint System 1 - OZ/E/U. The color of the final finish coat for all interior steel surfaces shall be Reddish Brown, Munsell No. 2.5YR 3/4. The color of the final finish coat for all exterior steel surfaces shall be Reddish Brown, Munsell No. 2.5YR 3/4.

Bridge washing is limited to cleaning the abutment bearing seats and cleaning debris from finger plate troughs.

The quantity for Joint or Crack Filling is to seal the open joints between the wingwall and the approach slab.

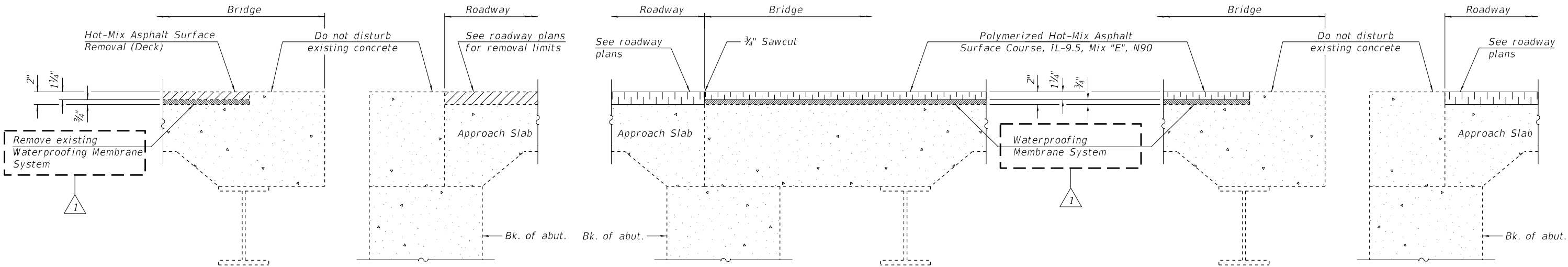
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A3	Sq. Yd.		226	226
Filter Fabric	Sq. Yd.		226	226
Polymerized Hot-Mix Asphalt Surface Course, IL-9.5, Mix "E", N90	Ton	151		151
Joint or Crack Filling	Pound	300		300
Concrete Sealer	Sq. Ft.		470	470
Bridge Washing No. 10	Each	1		1
Hot-Mix Asphalt Surface Removal (Deck)	Sq. Yd.	2,162		2,162
Cleaning and Painting Steel Bridge No. 10	L Sum	1		1
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.		90	90
Containment and Disposal of Non-Lead Paint Cleaning Residues No. 10	L Sum	1		1
Waterproofing Membrane System	Sq. Yd.	2,162		2,162

GIRDER PAINTING LIMITS TABLE

Girder No.	Span 1	Span 2	Span 3
8	10'-0"	---	10'-0"
9	10'-0"	---	10'-0"
10	10'-0"	---	10'-0"
11	10'-0"	---	10'-0"
12	10'-0"	---	10'-0"
13	10'-0"	---	10'-0"
14	10'-0"	---	10'-0"

Containment of cleaning residue is required to contain nuisance dust. See Special Provisions



REMOVAL DETAILS

OVERLAY DETAILS - SOUTH ABUTMENT

OVERLAY DETAILS - NORTH ABUTMENT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 082-0245 (N.B.)

SHEET 2 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-1RS	ST. CLAIR	316	203
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

No field welding is permitted except as specified in the contract documents.

Reinforcment bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.

Any cracks that cannot be removed by grinding 1/4 in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding, and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Concrete Sealer shall be applied to the designated areas of the abutments.

The painting Contractor shall be SSPC-QP 1 and SSPC-QP 2 certified for this project and shall maintain certification throughout the duration of the project.

Cleaning and Painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All beams, bearings and other structural steel within the length (measured along beam) shown in the GIRDER PAINTING LIMITS TABLE, of either side of deck joints, shall be cleaned per Near White Blast Cleaning - SSPC-SP10. The designated areas cleaned per Near White Blast Cleaning shall be painted according to the requirements of Paint System 1 - OZ/E/U. The color of the final finish coat for all interior steel surfaces shall be Reddish Brown, Munsell No. 2.5YR 3/4. The color of the final finish coat for all exterior steel surfaces shall be Reddish Brown, Munsell No. 2.5YR 3/4.

The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.

Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.

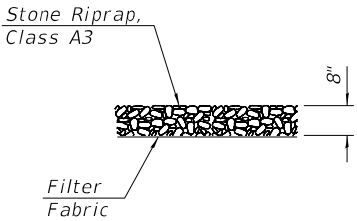
Bridge washing is limited to cleaning the abutment bearing seats.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A3	Sq. Yd.		226	226
Filter Fabric	Sq. Yd.		226	226
Concrete Removal	Cu. Yd.	24.3		24.3
Removal of Existing Concrete Deck	Each	1		1
Floor Drains	Each	38		38
Concrete Structures	Cu. Yd.		54.6	54.6
Concrete Superstructure	Cu. Yd.	704.2		704.2
Protective Coat	Sq. Yd.	2,922		2,922
Concrete Superstructure (Approach Slab)	Cu. Yd.	158.9		158.9
Furnishing and Erecting Structural Steel	Pound	1,020		1,020
Reinforcement Bars, Epoxy Coated	Pound	289,200		289,200
Mechanical Splicers	Each	207		207
Name Plates	Each	1		1
Elastomeric Bearing Assembly, Type III	Each	7		7
Anchor Bolts, 1"	Each	14		14
Anchor Bolts, 1½"	Each	14		14
Concrete Sealer	Sq. Ft.		470	470
Bridge Washing No. 11	Each		1	1
Jack and Remove Existing Bearings	Each	14		14
Cleaning and Painting Steel Bridge No. 11	L Sum	1		1
Structural Repair of Concrete (Depth Equal to or Less than 5 inches)	Sq. Ft.		78	78
Drainage Scuppers, DS-11	Each	4		4
Diamond Grinding (Bridge Section)	Sq. Yd.	2,913		2,913
Modular Expansion Joint 6"	Foot	89.0		89.0
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1,612		1,612
Containment and Disposal of Non-Lead Paint Cleaning Residues No. 11	L Sum	1		1

GIRDER PAINTING LIMITS TABLE

Girder No.	Span 1	Span 2	Span 3
1	10'-0"	---	10'-0"
2	10'-0"	---	10'-0"
3	10'-0"	---	10'-0"
4	10'-0"	---	10'-0"
5	10'-0"	---	10'-0"
6	10'-0"	---	10'-0"
7	10'-0"	---	10'-0"



SECTION THRU RIPRAP

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 082-0246 (S.B.)

SHEET 2 OF 26 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-1RS	ST. CLAIR	316	209
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Concrete Sealer shall be applied to the designated areas of the abutments and piers.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

The painting Contractor shall be SSPC-QP 1 and SSPC-QP 2 certified for this project and shall maintain certification throughout the duration of the project.

Cleaning and Painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All beams, bearings and other structural steel within the length (measured along beam) shown in the GIRDER PAINTING LIMITS TABLE, of either side of deck joints, shall be cleaned per Near White Blast Cleaning - SSPC-SP10. The designated areas cleaned per Near White Blast Cleaning shall be painted according to the requirements of Paint System 1 - OZ/E/U. The color of the final finish coat for all interior steel surfaces shall be Reddish Brown, Munsell No. 2.5YR 3/4. The color of the final finish coat for all exterior steel surfaces shall be Reddish Brown, Munsell No. 2.5YR 3/4.

Bridge washing is limited to cleaning the abutment and pier bearing seats and cleaning debris from finger plate troughs.

A flagger shall be required for railroads for any painting that occurs over railroads. The cost shall be included in accordance to Article 109.05 of the Standard Specification.

The quantity for Joint or Crack Filling is to seal the open joints between the wingwall and the approach slab.

GENERAL NOTES (CONT.)

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

A minimum of 2 high volume air monitors will be required to monitor air quality during dust producing operations at this site. See Special Provisions for Containment and Disposal of Lead Paint Cleaning Residuals.

TOTAL BILL OF MATERIAL

TWO STRUCTURES

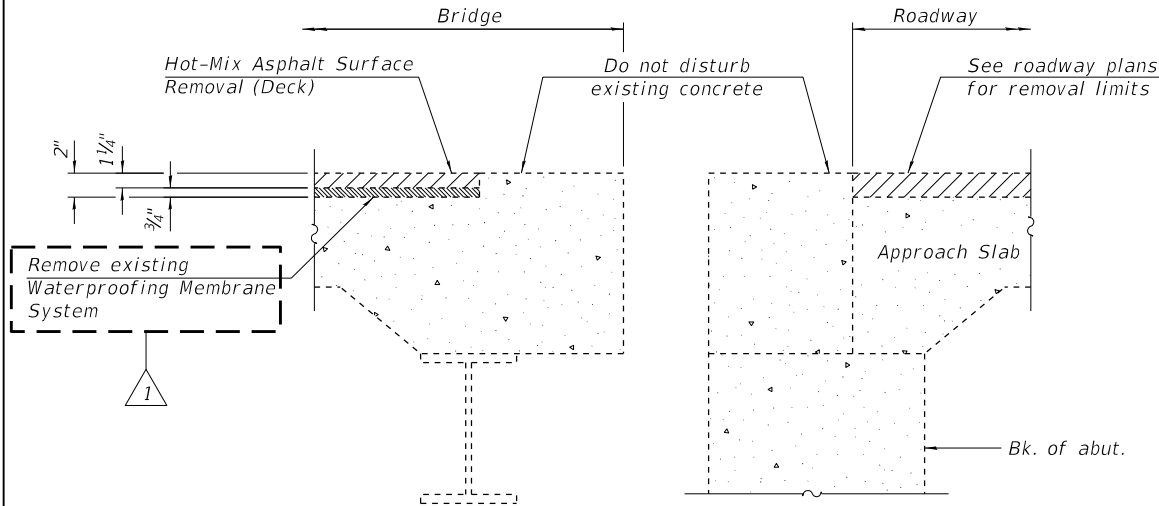
ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A3	Sq. Yd.		4	4
Filter Fabric	Sq. Yd.		4	4
Polymerized Hot-Mix Asphalt Surface Course, IL-9.5, Mix "E", N90	Ton	1,817		1,817
Joint or Crack Filling	Pound	600		600
Concrete Removal	Cu. Yd.		4.8	4.8
Slope Wall Removal	Sq. Yd.		67	67
Structure Excavation	Cu. Yd.		40	40
Concrete Superstructure	Cu. Yd.		4.8	4.8
Reinforcement Bars, Epoxy Coated	Pound		270	270
Slope Wall 4 Inch	Sq. Yd.		67	67
Concrete Sealer	Sq. Ft.		3,564	3,564
Bridge Washing No. 12	Each	1		1
Bridge Washing No. 13	Each	1		1
Controlled Low-Strength Material	Cu. Yd.		194.4	194.4
Hot-Mix Asphalt Surface Removal (Deck)	Sq. Yd.	25,957		25,957
Containment and Disposal of Lead Paint Cleaning Residues No. 12	L Sum	1		1
Containment and Disposal of Lead Paint Cleaning Residues No. 13	L Sum	1		1
Cleaning and Painting Steel Bridge No. 12	L Sum	1		1
Cleaning and Painting Steel Bridge No. 13	L Sum	1		1
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.		821	821
Waterproofing Membrane System	Sq. Yd.	25,957		25,957

STRUCTURE NO. 082-0247 (S.B.) GIRDER PAINTING LIMITS TABLE

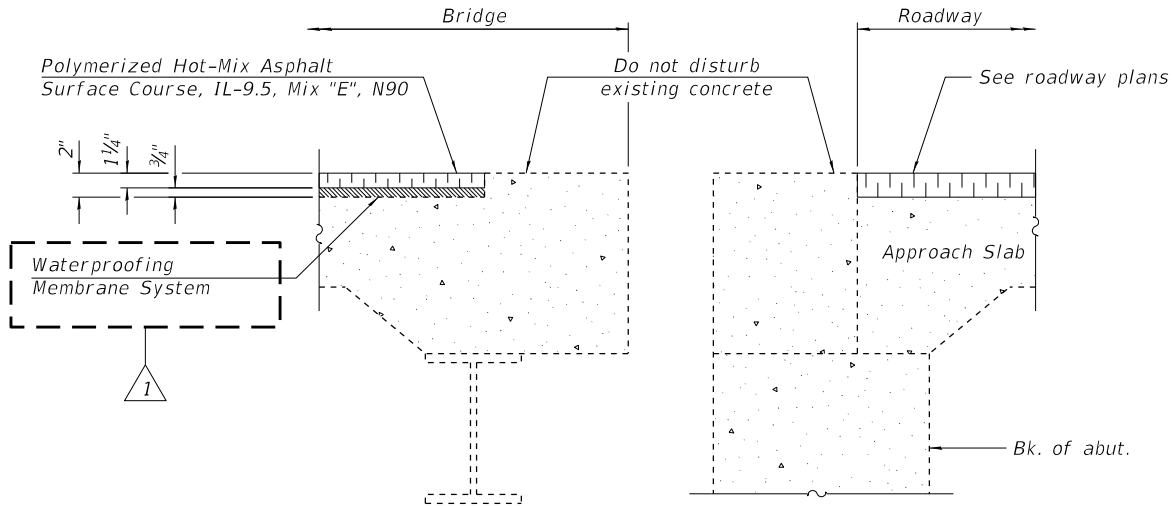
Girder No.	Span 1	Span 2	Span 3	Span 4SB	Span 5SB	Span 6SB	Span 7	Span 8	Span 9	Span 10	Span 11	Span 12	Span 13	Span 14	Span 15	Span 16	Span 17	Span 18
1	10'-0"	---	10'-0"	10'-0"	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"
2	10'-0"	---	10'-0"	10'-0"	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"
3	10'-0"	---	10'-0"	10'-0"	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"
4	10'-0"	---	10'-0"	10'-0"	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"
5	10'-0"	---	10'-0"	10'-0"	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"
6	10'-0"	---	10'-0"	10'-0"	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"
7	10'-0"	---	10'-0"	10'-0"	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"

STRUCTURE NO. 082-0248 (N.B.) GIRDER PAINTING LIMITS TABLE

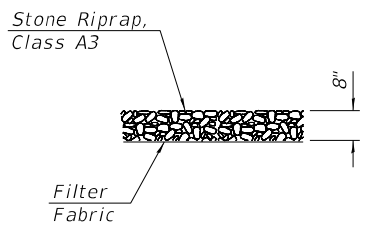
Girder No.	Span 1	Span 2	Span 3	Span 4NB	Span 5NB	Span 5ANB	Span 6NB	Span 7	Span 8	Span 9	Span 10	Span 11	Span 12	Span 13	Span 14	Span 15	Span 16	Span 17	Span 18
8	10'-0"	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"
9	10'-0"	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"
10	10'-0"	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"
11	10'-0"	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"
12	10'-0"	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"
13	10'-0"	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"
14	10'-0"	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"	10'-0"	---	---	10'-0"



REMOVAL DETAILS



OVERLAY DETAILS



SECTION THRU RIPRAP

REV. 10-31-2019

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 082-0247 (S.B.) & 082-0248 (N.B.)

SHEET 4 OF 30 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-1RS	ST. CLAIR	316	237
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts 3/4 in. Ø, holes 13/16 in. Ø, or Bolts 7/8 in. Ø, holes 15/16 in. Ø unless otherwise noted.

Reinforcement bars designated (E) shall be epoxy coated. Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.

Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Concrete Sealer shall be applied to the designated areas of the abutments. The painting Contractor shall be SSPC-QP 1 and SSPC-QP 2 certified for this project and shall maintain certification throughout the duration of the project.

Cleaning and Painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All beams, bearings and other structural steel within the length (measured along beam) shown in the GIRDER PAINTING LIMITS TABLE, of either side of deck joints, shall be cleaned per Near White Blast Cleaning - SSPC-SP10. The exterior surfaces and bottom of the bottom flange of the fascia beams shall be cleaned per Commercial Grade Power Tool Cleaning - SSPC-SP15. The designated areas cleaned per Near White Blast Cleaning and per Commercial Grade Power Tool Cleaning shall be painted according to the requirements of Paint System 1 - OZ/E/U. The color of the final finish coat for all interior steel surfaces shall be Reddish Brown, Munsell No. 2.5YR 3/4. The color of the final finish coat for all exterior steel surfaces shall be Reddish Brown, Munsell No. 2.5YR 2/4.

Existing reinforcement shall be cleaned and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.

Bridge washing is limited to cleaning the abutment bearing seats.

Containment of Cleaning residue is required to contain nuisance dust. See Special Provisions.

TOTAL BILL OF MATERIAL
TWO STRUCTURES

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A3	Sq. Yd.		27	27
Filter Fabric	Sq. Yd.		27	27
Polymerized Hot-Mix Asphalt Surface course, Mix "E", N90	Ton	235		235
Joint or Crack Filling	Pound	600		600
Concrete Removal	Cu. Yd.	16.4	13.1	29.5
Concrete Superstructure	Cu. Yd.	16.4	13.1	29.5
Furnishing and Erecting Structural Steel	Pound	8,460		8,460
Reinforcement Bars, Epoxy Coated	Pound	3,810	1,940	5,750
Preformed Joint Strip Seal	Foot	234		234
Elastomeric Bearing Assembly, Type I	Each	28		28
Elastomeric Bearing Assembly, Type II	Each	14		14
Anchor Bolts, 3/4"	Each	28		28
Anchor Bolts, 1"	Each	28		28
Anchor Bolts, 1 1/2"	Each	28		28
Waterproofing Membrane System	Sq. Yd.	3,358		3,358
Concrete Sealer	Sq. Ft.		621	621
Bridge Washing No. 14	Each		1	1
Bridge Washing No. 15	Each		1	1
Jack and Remove Existing Bearings	Each	42		42
Cleaning and Painting Steel Bridge No. 14	L Sum	1		1
Cleaning and Painting Steel Bridge No. 15	L Sum	1		1
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.		306	306
Deck Slab Repair (Partial)	Sq. Yd.	456		456
Containment and Disposal of Non-Lead Paint Cleaning Residues No. 14	L Sum	1		1
Containment and Disposal of Non-Lead Paint Cleaning Residues No. 15	L Sum	1		1

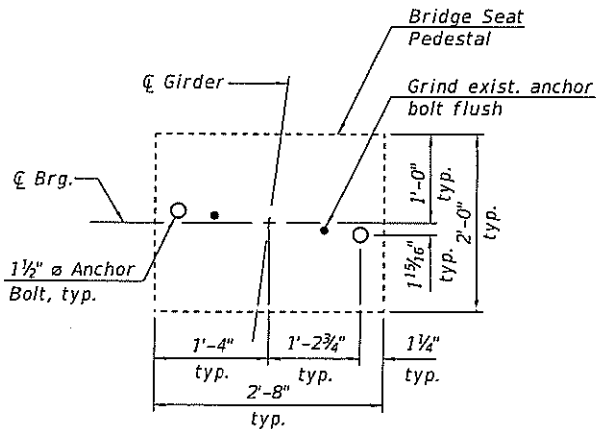
Cleaning and Painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All beams, bearings and other structural steel within the length (measured along beams) shown in the GIRDER PAINTING LIMITS TABLE, of either side of deck joints, shall be cleaned per Near White Blast Cleaning - SSPC-SP10. The designated areas cleaned per Near White Blast Cleaning shall be painted according to the requirements of Paint System 1 - OZ/E/U. The color of the final finish coat for all interior steel surfaces shall be Reddish Brown, Munsell No. 2.5YR 3/4. The color of the final finish coat for all exterior steel surfaces shall be Reddish Brown, Munsell No. 2.5YR 3/4.

STRUCTURE NO. 082-0249 (N.B.)
GIRDER PAINTING LIMITS TABLE

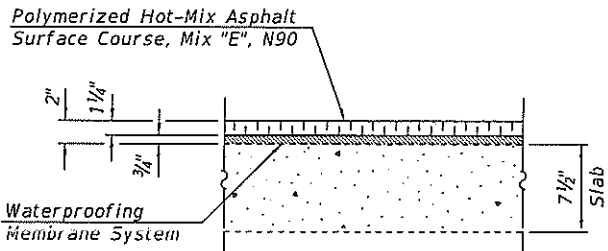
Girder No.	Span 1	Span 2	Span 3
1	10'-0"	---	10'-0"
2	10'-0"	---	10'-0"
3	10'-0"	---	10'-0"
4	10'-0"	---	10'-0"
5	10'-0"	---	10'-0"
6	10'-0"	---	10'-0"
7	10'-0"	---	10'-0"

STRUCTURE NO. 082-0250 (S.B.)
GIRDER PAINTING LIMITS TABLE

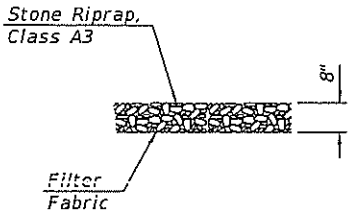
Girder No.	Span 1	Span 2	Span 3
8	10'-0"	---	10'-0"
9	10'-0"	---	10'-0"
10	10'-0"	---	10'-0"
11	10'-0"	---	10'-0"
12	10'-0"	---	10'-0"
13	10'-0"	---	10'-0"
14	10'-0"	---	10'-0"



PIER 2 ANCHOR BOLT LAYOUT



SECTION THRU DECK



SECTION THRU RIPRAP

REV. 10-31-2019

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 082-0249 (N.B.) & 082-0250 (S.B.)

SHEET 2 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-1R5	ST. CLAIR	316	265
CONTRACT NO. 76E13-2				

ILLINOIS FED. AID PROJECT

FULL SIZE: 1=1

GENERAL NOTES

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts 3/4 in. Ø, holes 13/16 in. Ø, or Bolts 7/8 in. Ø, holes 15/16 in. Ø unless otherwise noted.

Reinforcement bars designated (E) shall be epoxy coated.
Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.

Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Concrete Sealer shall be applied to the designated areas of the abutments. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

The painting Contractor shall be SSPC-QP 1 and SSPC-QP 2 certified for this project and shall maintain certification throughout the duration of the project.

Cleaning and Painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All beams, bearings and other structural steel within the length (measured along beam) shown in the GIRDER PAINTING LIMITS TABLE, of either side of deck joints, shall be cleaned per Near White Blast Cleaning - SSPC-SP10. The designated areas cleaned per Near White Blast Cleaning shall be painted according to the requirements of Paint System 1 - OZ/E/U. The color of the final finish coat for all interior steel surfaces shall be Reddish Brown, Munsell No. 2.5YR 3/4. The color of the final finish coat for all exterior steel surfaces shall be Reddish Brown, Munsell No. 2.5YR 3/4.

Existing reinforcement extending into the removal area shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.

Bridge washing is limited to cleaning the abutment bearing seats.

The quantity for Joint or Crack Filling is to seal the open joints between the wingwall and approach slab.

GENERAL NOTES (CONT.)

The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specification. Cost is included with Concrete Superstructure.

All new structural steel and bearing assembly shall be hot-dipped galvanized. See special provisions for "Hot Dip Galvanizing for Structural Steel".

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the special provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures."

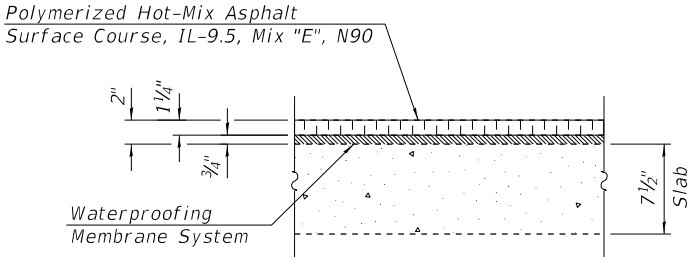
A minimum of 2 high volume air monitors will be required to monitor air quality during dust producing operations at this site. See Special Provisions for Containment and Disposal of Lead Paint Cleaning Residuals.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Polymerized Hot-Mix Asphalt Surface Course, IL-9.5, Mix "E", N90	Ton	56		56
Joint or Crack Filling	Pound	300		300
Concrete Removal	Cu. Yd.	5.0	4.2	9.2
Concrete Superstructure	Cu. Yd.	5.0	4.2	9.2
Furnishing and Erecting Structural Steel	Pound	2,370		2,370
Reinforcement Bars, Epoxy Coated	Pound	1,070	310	1,380
Preformed Joint Strip Seal	Foot	62		62
Elastomeric Bearing Assembly, Type I	Each	8		8
Elastomeric Bearing Assembly, Type II	Each	4		4
Anchor Bolts, 1"	Each	16		16
Anchor Bolts, 1½"	Each	8		8
Waterproofing Membrane System	Sq. Yd.	796		796
Concrete Sealer	Sq. Ft.		165	165
Bridge Washing No. 16	Each		1	1
Jack and Remove Existing Bearings	Each	12		12
Containment and Disposal of Lead Paint Cleaning Residues No. 16	L Sum	1		1
Cleaning and Painting Steel Bridge No. 16	L Sum	1		1

GIRDER PAINTING LIMITS TABLE

Girder No.	Span 1	Span 2	Span 3
1	10'-0"	---	10'-0"
2	10'-0"	---	10'-0"
3	10'-0"	---	10'-0"
4	10'-0"	---	10'-0"



SECTION THRU DECK

REV. 10-31-2019

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 082-0269

SHEET 2 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-1RS	ST. CLAIR	316	281
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts 3/4 in. Ø, holes 13/16 in. Ø, or Bolts 7/8 in. Ø, holes 15/16 in. Ø unless otherwise noted.

All structural steel shall conform to AASHTO M270 Grade 50, unless otherwise noted.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.

Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Concrete Sealer shall be applied to the designated areas of the abutments.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

The painting Contractor shall be SSPC-QP 1 and SSPC-QP 2 certified for this project and shall maintain certification throughout the duration of the project.

Cleaning and Painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All beams, bearings and other structural steel within the length (measured along beam) shown in the GIRDER PAINTING LIMITS TABLE, of either side of deck joints, shall be cleaned per Near White Blast Cleaning - SSPC-SP10. The designated areas cleaned per Near White Blast Cleaning shall be painted according to the requirements of Paint System 1 - OZ/E/U. The color of the final finish coat for all interior steel surfaces shall be Reddish Brown, Munsell No. 2.5YR 3/4. The color of the final finish coat for all exterior steel surfaces shall be Reddish Brown, Munsell No. 2.5YR 3/4.

Existing reinforcement extending into the removal area shall be cleaned and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.

Bridge washing is limited to cleaning the abutment bearing seats.

The quantity for Joint or Crack Filling is to seal the open joints between the wingwall and the approach slab.

GENERAL NOTES (CONT.)

The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specification. Cost is included with Concrete Superstructure.

All new structural steel and bearing assembly shall be hot-dipped galvanized. See special provisions for "Hot Dip Galvanizing for Structural Steel".

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the special provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures."

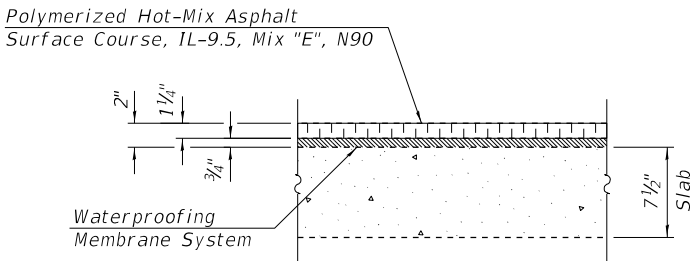
A minimum of 2 high volume air monitors will be required to monitor air quality during dust producing operations at this site. See Special Provisions for Containment and Disposal of Lead Paint Cleaning Residuals.

TOTAL BILL OF MATERIAL

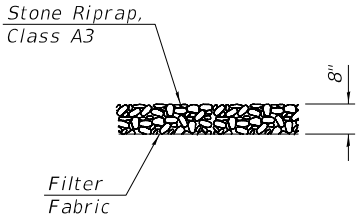
ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A3	Sq. Yd.		17	17
Filter Fabric	Sq. Yd.		17	17
Polymerized Hot-Mix Asphalt Surface course, IL-9.5, Mix "E", N90	Ton	69		69
Joint or Crack Filling	Pound	300		300
Concrete Removal	Cu. Yd.	9.3	6.6	15.9
Concrete Superstructure	Cu. Yd.	9.3	6.6	15.9
Furnishing and Erecting Structural Steel	Pound	3,710		3,710
Reinforcement Bars, Epoxy Coated	Pound	1,280	470	1,750
Preformed Joint Strip Seal	Foot	78		78
Elastomeric Bearing Assembly, Type I	Each	8		8
Elastomeric Bearing Assembly, Type II	Each	4		4
Anchor Bolts, 1"	Each	16		16
Anchor Bolts, 1½"	Each	8		8
Waterproofing Membrane System	Sq. Yd.	984		984
Concrete Sealer	Sq. Ft.		210	210
Bridge Washing No. 17	Each		1	1
Jack and Remove Existing Bearings	Each	12		12
Containment and Disposal of Lead Paint Cleaning Residues No. 17	L Sum	1		1
Cleaning and Painting Steel Bridge No. 17	L Sum	1		1
Structural Repair of Concrete (Depth Equal to or Less Than 5 inches)	Sq. Ft.	122		122
Deck Slab Repair (Partial)	Sq. Yd.	8.3		8.3

GIRDER PAINTING LIMITS TABLE

Girder No.	Span 1	Span 2	Span 3
1	10'-0"	---	10'-0"
2	10'-0"	---	10'-0"
3	10'-0"	---	10'-0"
4	10'-0"	---	10'-0"



SECTION THRU DECK



SECTION THRU RIPRAP

REV. 10-31-2019

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 082-0270

SHEET 2 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	82-1RS	ST. CLAIR	316	293
CONTRACT NO. 76E13				
ILLINOIS FED. AID PROJECT				