

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
160/177	(3,4)RS-4	CLINTON	10	1
ILLINOIS			CONTRACT NO. 76L08	

FAP 690 FAS 1848

FOR INDEX OF SHEETS, SEE SHEET NO. 2

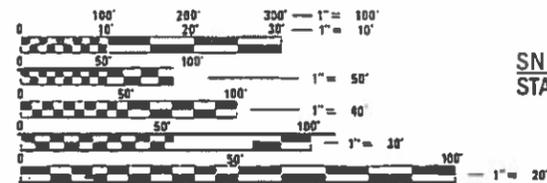
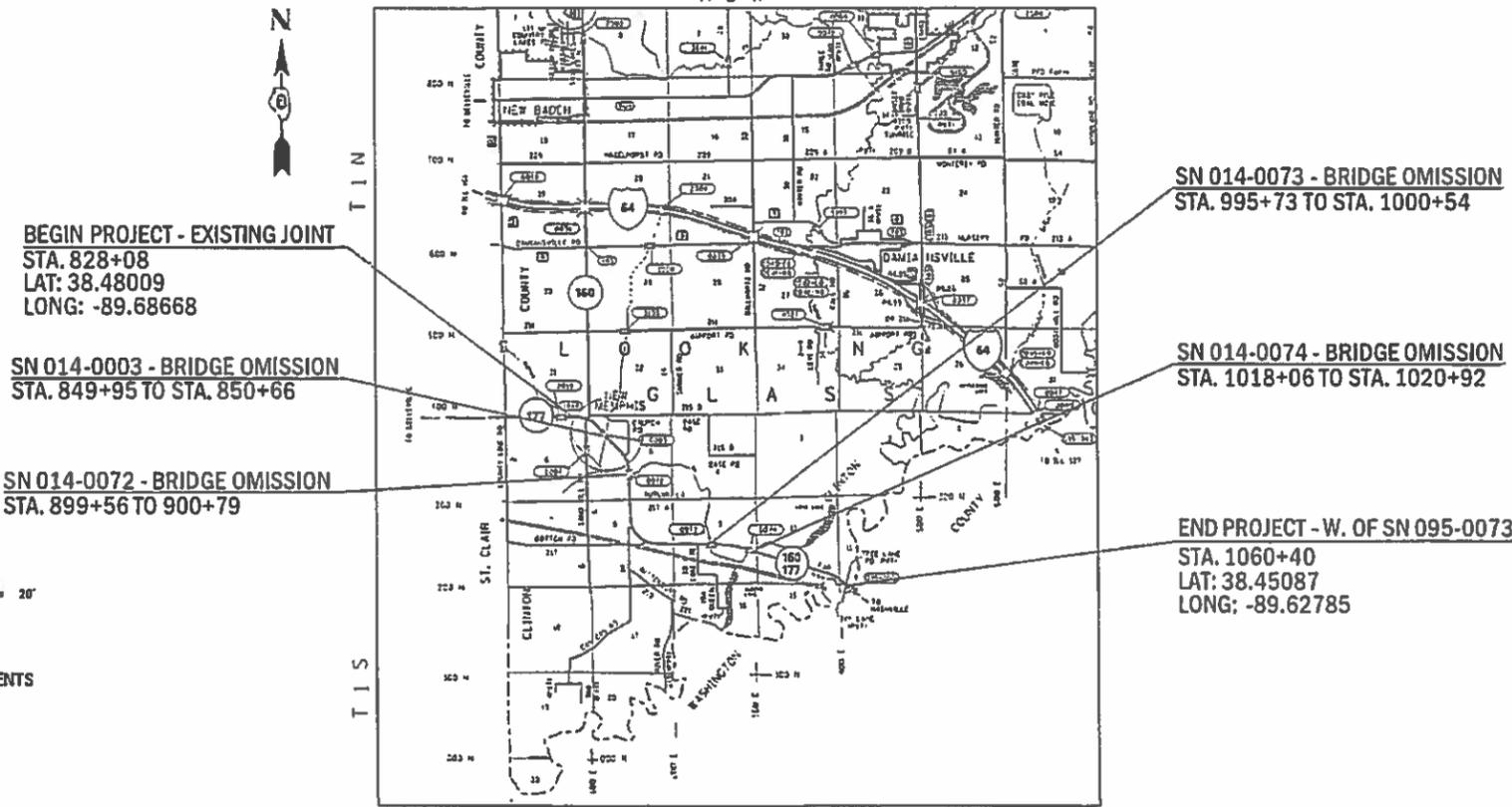
TRAFFIC DATA

LOCATION	IL 160/ IL 177
2018 ADT	2400 (ACTUAL)
2038 ADT	2700 (ESTIMATED)
MU%	2.1
SU%	4.5

PROPOSED HIGHWAY PLANS

FAP ROUTE 690 (IL RTE. 160/L 177)
SECTION (3,4)RS-4
PROJECT STP-79LH(928)
3P RESURFACING PROJECT
CLINTON COUNTY

C-98-155-18

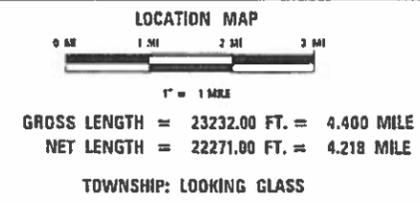


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: TIM PADGETT (618) 346-3325
PROJECT MANAGER: RAHSHUN MILLER (618) 346-3196

CONTRACT NO. 76L08



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Nov. 30 2018
Jeffrey T. Kamras
REGIONAL ENGINEER

Feb 1 2019
Paul C. Chy
ENGINEER OF DESIGN AND ENVIRONMENT

Feb 1 2019
Paul C. Chy
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				ROADWAY
				0005 RURAL
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	438	438
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	36747	36747
40600637	LEVELING BINDER (MACHINE METHOD), 1L-9.5FG, N70	TON	2286	2286
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	244	244
40600990	TEMPORARY RAMP	SQ YD	536	536
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	4573	4573
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	54440	54440
44000400	GUTTER REMOVAL	FOOT	2640	2640
44004250	PAVED SHOULDER REMOVAL	SQ YD	4872	4872
44200201	PAVEMENT PATCHING, TYPE I, 17 INCH	SQ YD	29	29
44200202	PAVEMENT PATCHING, TYPE II, 17 INCH	SQ YD	122	122
44200204	PAVEMENT PATCHING, TYPE III, 17 INCH	SQ YD	111	111
44200206	PAVEMENT PATCHING, TYPE IV, 17 INCH	SQ YD	777	777
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1172	1172

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				ROADWAY
				0005 RURAL
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	14616	14616
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	43849	43849
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	15	15
70300100	SHORT TERM PAVEMENT MARKING	FOOT	15903	15903
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5301	5301
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	62554	62554
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	26	26
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	62554	62554

* SPECIALTY ITEM

REV. - MS

FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/29/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

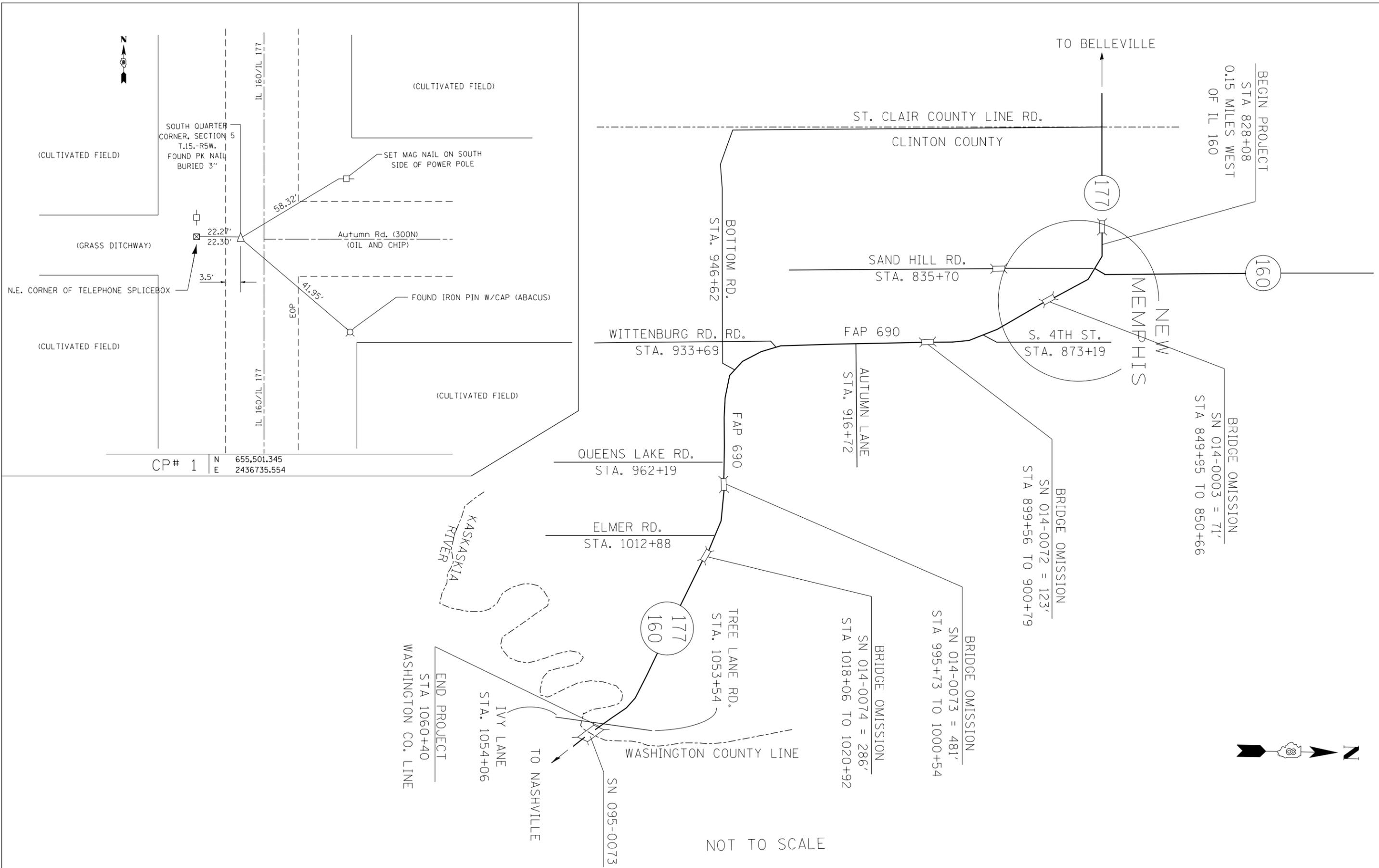
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(3,4)RS-4	CLINTON	10	3
			CONTRACT NO. 76L08	
ILLINOIS FED. AID PROJECT				

*FAP 690/FAS 1848

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				ROADWAY	RURAL
				80% FED 20% STATE	
				0005	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	26		26
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	290		290
	78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	290		290
	X7030005 TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	20903		20903
	Z0033700 LONGITUDINAL JOINT SEALANT	FOOT	22271		22271
∅ Z0076600	TRAINEES	HOUR	2000		2000
	Z0034105 MATERIAL TRANSFER DEVICE	TON	6859		6859
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	2000		2000
	Z0070100 SURVEY MONUMENT COVER ASSEMBLY	EACH	1		1

* SPECIALTY ITEM
∅ 0042

REV. - MS



NOT TO SCALE

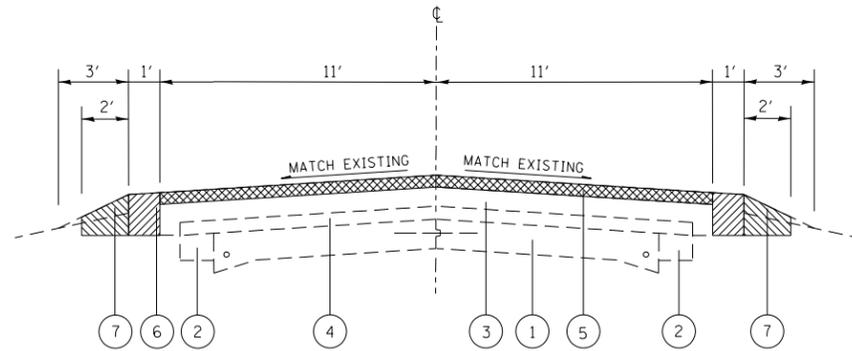
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

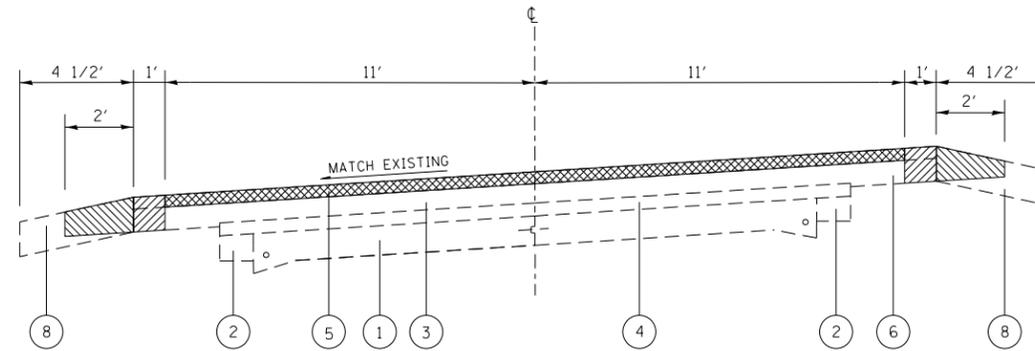
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	(3,4)RS-4	CLINTON	10	5
CONTRACT NO. 76L08				
ILLINOIS FED. AID PROJECT				

•FAP 690/FAS 1848



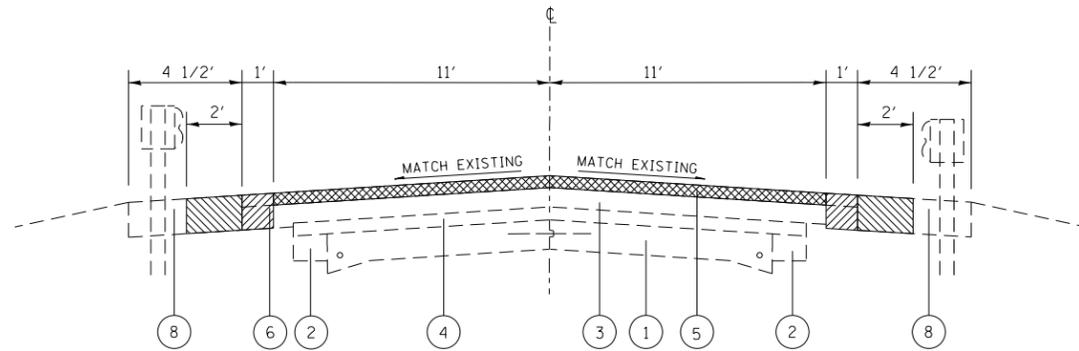
EXISTING TYPICAL SECTION

STA 828+08 TO STA. 849+95
 STA. 849+95 TO 850+66 (BRIDGE OMISSION)
 STA. 850+66 TO STA. 865+04
 STA. 865+04 TO STA. 875+60 (GUTTER REMOVAL EB)
 STA. 875+60 TO STA. 899+56
 STA. 899+56 TO STA. 900+79 (BRIDGE OMISSION)
 STA. 900+79 TO STA. 917+84
 STA 933+68 TO STA. 965+36



EXISTING SUPERELEVATED SECTION

STA 917+84 TO STA. 933+68 (GUTTER REMOVAL, WB)



EXISTING TYPICAL SECTION

STA 965+36 TO STA. 995+73
 STA. 995+73 TO STA. 1000+54 (BRIDGE OMISSION)
 STA. 1000+54 TO STA. 1018+06
 STA. 1018+06 TO STA. 1020+92 (BRIDGE OMISSION)
 STA. 1020+92 TO STA. 1060+40

LEGEND

- ① EXISTING CONCRETE PAVEMENT (9"-6"-9")
- ② EXISTING BASE COURSE WIDENING (BITUMINOUS), 9"
- ③ EXISTING PAVEMENT RESURFACING
- ④ EXISTING LEVELING BINDER, TYPE II
- ⑤ EXISTING BITUMINOUS CONCRETE SURFACE COURSE
- ⑥ EXISTING BITUMINOUS SHOULDER 8"
- ⑦ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑧ EXISTING AGGREGATE SHOULDER, TYPE B, 8"
- ⑨ PROPOSED LEVELING BINDER (MM) IL-9.5FG, N70, 3/4"
- ⑩ PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- ⑪ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 1-1/2"
- ⑫ PROPOSED HOT-MIX ASPHALT SHOULDERS 8"
- ⑬ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

- HMA SURFACE REMOVAL 2.25"
- EXCAVATING AND GRADING EXISTING SHOULDER
- PAVED SHOULDER REMOVAL

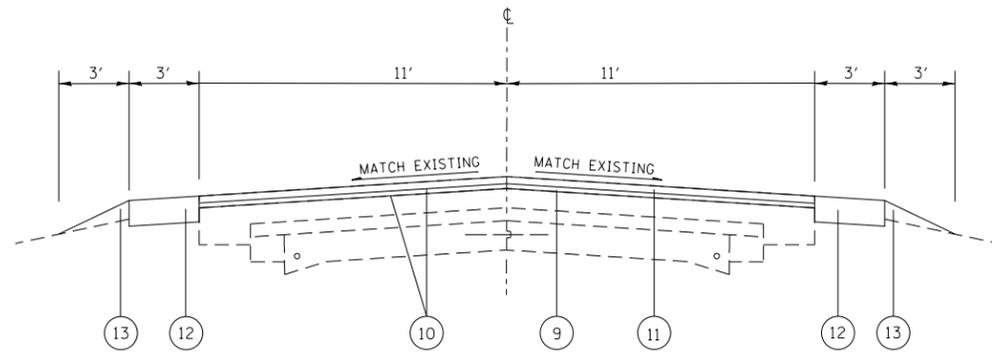
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Default	PLOT DATE = 11/29/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL SECTIONS

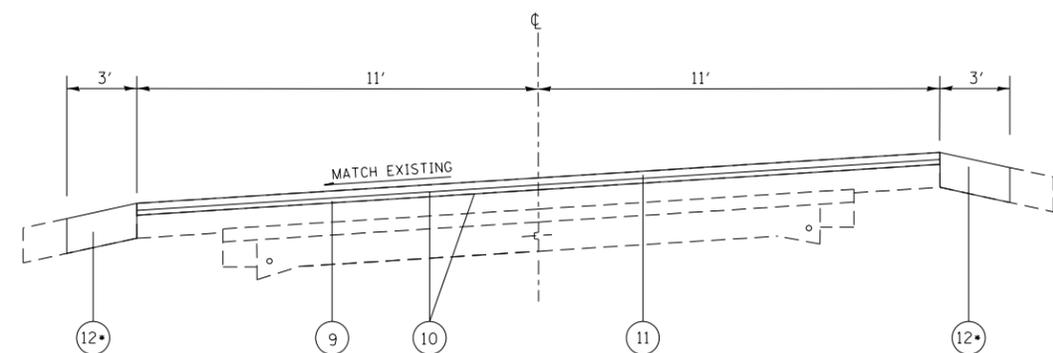
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(3,4)RS-4	CLINTON	10	6
			CONTRACT NO. 76L08	
ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION

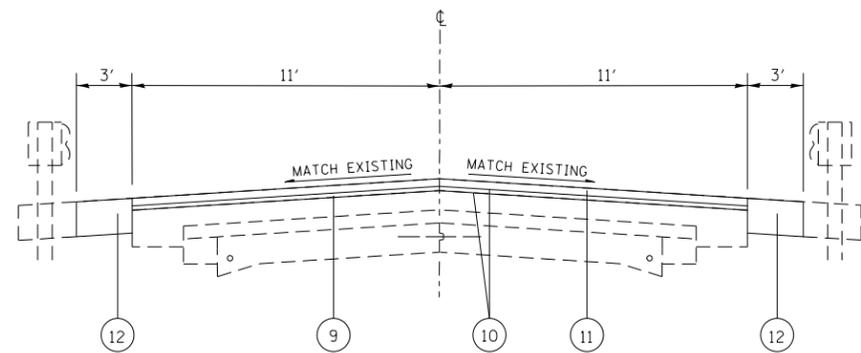
STA 828+08 TO STA. 849+95
 STA. 849+95 TO 850+66 (BRIDGE OMISSION)
 STA. 850+66 TO STA. 865+04
 STA. 865+04 TO STA. 875+60
 STA. 875+60 TO STA. 899+56
 STA. 899+56 TO STA. 900+79 (BRIDGE OMISSION)
 STA. 900+79 TO STA. 917+84
 STA 933+68 TO STA. 965+36



*SEE SHOULDER DETAIL SHEETS FOR SUPERELEVATED CURVES

PROPOSED SUPERELEVATED SECTION

STA 917+84 TO STA. 933+68



PROPOSED TYPICAL SECTION

STA 965+36 TO STA. 995+73
 STA. 995+73 TO STA. 1000+54 (BRIDGE OMISSION)
 STA. 1000+54 TO STA. 1018+06
 STA. 1018+06 TO STA. 1020+92 (BRIDGE OMISSION)
 STA. 1020+92 TO STA. 1060+40

LEGEND

- ① EXISTING CONCRETE PAVEMENT (9"-6"-9")
- ② EXISTING BASE COURSE WIDENING (BITUMINOUS), 9"
- ③ EXISTING PAVEMENT RESURFACING
- ④ EXISTING LEVELING BINDER, TYPE II
- ⑤ EXISTING BITUMINOUS CONCRETE SURFACE COURSE
- ⑥ EXISTING BITUMINOUS SHOULDER 8"
- ⑦ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑧ EXISTING AGGREGATE SHOULDER, TYPE B, 8"
- ⑨ PROPOSED LEVELING BINDER (MM) IL-9.5FG, N70, 3/4"
- ⑩ PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- ⑪ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 1-1/2"
- ⑫ PROPOSED HOT-MIX ASPHALT SHOULDERS 8"
- ⑬ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/29/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS			
SCALE: NTS	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
690	(3,4)RS-4	CLINTON	10	7
			CONTRACT NO. 76L08	
ILLINOIS FED. AID PROJECT				

*FAP 690/FAS 1848

TEMPORARY RAMPS SCHEDULE			
STATION	WIDTH	LENGTH	TEMPORARY RAMPS
	(FOOT)	(FOOT)	(SQYD)
828+08	24	10	27
849+95	24	10	27
850+66	24	10	27
SAND HILL RD.	103	3.5	40
SAND HILL RD.	55	3.5	21
S. 4TH ST.	85	3.5	33
899+56	24	10	27
900+79	24	10	27
AUTUMN RD.	40	3.5	16
WITTENBURG RD.	130	3.5	51
BOTTOM RD.	100	3.5	39
QUEENS LAKE RD.	75	3.5	29
995+73	24	10	27
1000+54	24	10	27
ELMER RD.	35	3.5	14
1018+06	24	10	27
1020+92	24	10	27
TREE LN.	35	3.5	14
IVY LN.	35	3.5	14
1060+40	24	10	27
TOTAL:			536

V-GUTTER REMOVAL SCHEDULE					
STA	TO	STA	EB/WB	LENGTH	V-GUTTER REMOVAL
				(FOOT)	(FOOT)
865+04	TO	875+60	EB	1056	1056
917+84	TO	933+68	WB	1584	1584
TOTAL:					2640

HMA SURFACE REMOVAL BUTT-JOINT SCHEDULE			
STATION	WIDTH	LENGTH	HMA SURFACE REMOVAL BUTT-JOINT
	(FOOT)	(FOOT)	(SQYD)
828+08	22	10	24.4
849+95	22	10	24.4
850+66	22	10	24.4
899+56	22	10	24.4
900+79	22	10	24.4
995+73	22	10	24.4
1000+54	22	10	24.4
1018+06	22	10	24.4
1020+92	22	10	24.4
1060+40	22	10	24.4
TOTAL:			244

RESURFACING SCHEDULE													
STA.	TO	STA.	LENGTH	HMA SURFACE REMOVAL 2"	LEVELING BINDER, N70 (MACHING METHOD), 3/4"	HMA SURFACE COURSE, MIX C, 1 1/2"	BITUMINOUS MATERIAL (TACT COAT)	EXCAVATING AND GRADING EXISTING SHOULDER	HMA SHOULDERS 8"	PAVED SHOULDER REMOVAL	AGGREGATE WEDGE SHOULDER, TYPE B	SHOULDER RUMBLE STRIPS, 8"	LONGITUDINAL JOINT SEALER
			FOOT	SQ YD	TON	TON	POUND	UNIT	SQ YD	SQ YD	TON	FOOT	FOOT
828+08	TO	849+95	2187	5346	224.5	449	3608.6	43.7	1458	486	116.9	4374	2187
850+66	TO	899+56	4890	11953	502.0	1004	8068.5	97.8	3260	1087	261.5	9780	4890
900+79	TO	995+73	9494	23208	974.7	1949	15665.1	189.9	6329	2110	507.6	18988	9494
1000+54	TO	1018+06	1752	4283	179.9	360	2890.8	35.0	1168	389	93.7	3504	1752
1020+92	TO	1060+40	3948	9651	405.3	811	6514.2	79.0	2632	877	211.1	7896	3948
TOTAL:				54440	2286	4573	36747	*438	*14616	*4872	*1172	*43849	22271

*TOTAL QUANTITIES WERE ADJUSTED TO SUBTRACT SIDE ROAD ENTRANCES - 693'

THERMOPLASTIC PAVEMENT MARKING SCHEDULE													
STA	TO	STA	LENGTH	NO PASSING DIRECTION EB/WB/SB	4" LINE			24" LINE	RAISED REFLECTIVE PAVEMENT MARKERS		SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKINGS REMOVAL	TEMPORARY PAVEMENT MARKING REMOVAL
					WHITE EDGE LINE	YELLOW		WHITE STOP BAR	REMOVAL	AMBER			
						10'-30' SKIP-DASH	SOLID NO PASSING						
828+08	TO	1060+40	23232	EB/WB	45771				290	290			15257
828+08	TO	831+54	346	WB		87	346				260	86.5	144
831+54	TO	838+64	710	EB/WB			1420						473
838+64	TO	843+92	528	WB		132	528			396	132.0		220
843+92	TO	859+76	1584			396				1188	396.0		132
859+76	TO	870+32	1056	EB		264	1056			792	264.0		440
870+32	TO	875+60	528	EB/WB			1056						352
875+60	TO	886+16	1056	WB		264	1056			792	264.0		440
886+16	TO	965+86	7970			1993				5978	1992.5		664
965+86	TO	976+86	1100	EB		275	1100			825	275.0		458
976+86	TO	979+76	290	EB/WB			580						193
979+76	TO	995+60	1584	WB		396	1584			1188	396.0		660
995+60	TO	1037+84	4224			1056				3168	1056.0		352
1037+84	TO	1049+19	1135	EB		284	1135			851	283.8		473
1049+19	TO	1054+19	500	EB/WB			1000						333
1054+19	TO	1060+40	621	WB		155	621			466	155.3		259
IL 160													
835+70			26	SB									52
SUB TOTAL:					45771	5301	11482						
TOTAL:						62554		26	290	290	15,903	5301	20903

PAVEMENT PATCHING, 17"							
STATION	WB/EB	WIDTH	LENGTH	TYPE I	TYPE II	TYPE III	TYPE IV
		(FOOT)	(FOOT)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)
833+36	WB	11	11			13.4	
843+92	EB	11	16				19.6
846+56	EB	11	30				36.7
848+67	EB	11	15				18.3
848+67	WB	11	8		9.8		
849+20	WB	11	8		9.8		
859+76	EB	11	4	4.9			
859+76	WB	11	4	4.9			
861+34	EB	11	4	4.9			
861+34	WB	11	4	4.9			
865+04	EB	11	4	4.9			
875+60	EB	11	8		9.8		
875+60	WB	11	8		9.8		
917+84	WB	11	15				18.3
923+12	EB	11	15				18.3
923+12	WB	11	15				18.3
925+76	EB	11	10		12.2		
925+76	WB	11	10		12.2		
928+40	EB	11	10		12.2		
928+40	WB	11	10		12.2		
960+08	EB	11	380				464.4
965+36	EB	11	120				146.7
SUB TOTAL:				24.5	101.4	92.9	647.8
PROJECTED FAILURES 20%				5	20	19	130
TOTAL:				29	122	111	777

FILE NAME = USER NAME = milleraj DESIGNED - REVISED -
 PLOT SCALE = 100.0000' / 1". CHECKED - REVISED -
 PLOT DATE = 11/29/2018 DATE - REVISED -

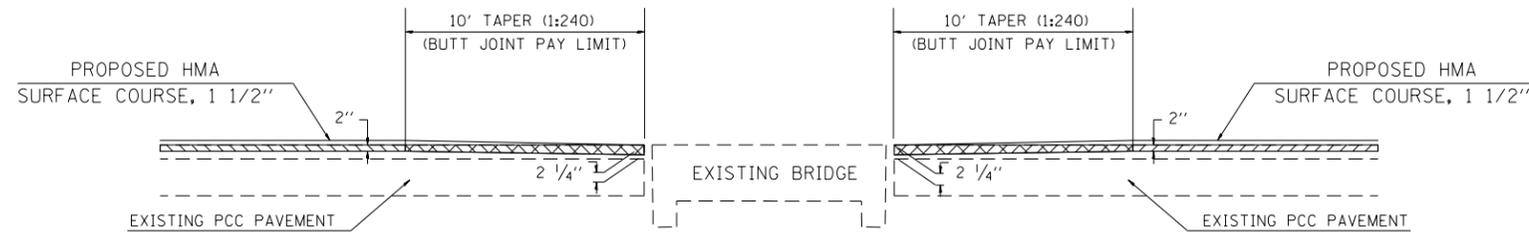
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

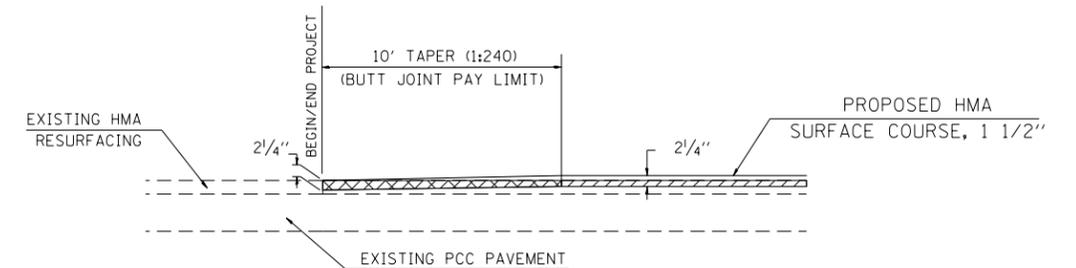
F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
 (3,4)RS-4 CLINTON 10 8
 CONTRACT NO. 76L08
 ILLINOIS FED. AID PROJECT

*FAP 690/FAS 1848



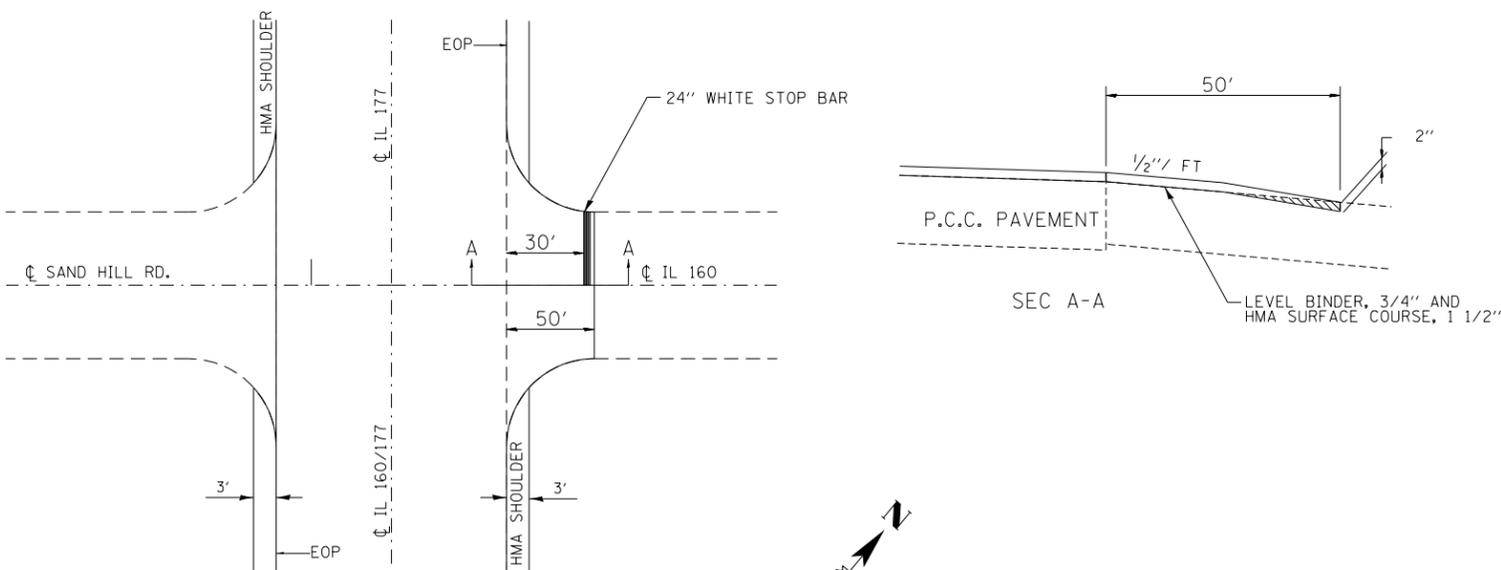
JOINT TO BE CONSTRUCTED AT BRIDGE APPROACHES

STA. 849+95 STA. 995+73
 STA. 850+65 STA. 1000+54
 STA. 899+56 STA. 1018+06
 STA. 900+79 STA. 1020+92



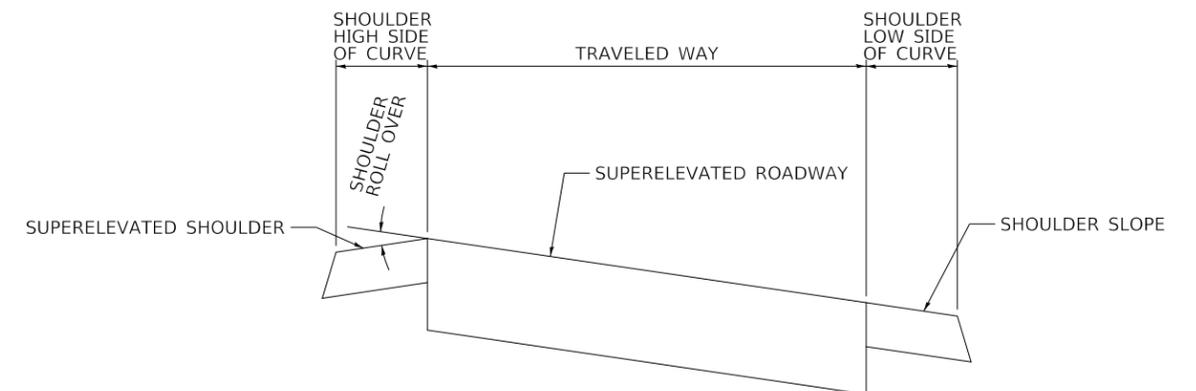
BUTT JOINT DETAIL

STA. 828+08
 STA. 1060+40



IL 160 AND HMA SIDEROAD DETAIL

NOT TO SCALE



TRAVELED WAY	SHOULDER SLOPE		ROLLOVER
	HIGH SIDE	LOW SIDE	
(%)	(%)	(%)	(%)
3.5%	4.0%	4.0%	7.5%
4.0%	4.0%	4.0%	8.0%
4.5%	3.5%	4.5%	8.0%
5.0%	3.0%	5.0%	8.0%
5.5%	2.5%	5.5%	8.0%
6.0%	2.0%	6.0%	8.0%
6.5%	1.5%	6.5%	8.0%
7.0%	1.0%	7.0%	8.0%
7.5%	0.5%	7.5%	8.0%
8.0%	0.0%	8.0%	8.0%

NOTE: ANY CHANGES TO THE VALUES SHOWN MUST BE APPROVED BY THE RESIDENT ENGINEER. THE MAXIMUM ROLLOVER SHALL NOT EXCEED 8.0%.

SHOULDER DETAIL FOR SUPERELEVATED CURVES

NOT TO SCALE

NOTE: SHOULDERS SHOULD BE OMITTED THROUGH SIDE ROADS

FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -
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Default	PLOT DATE = 11/29/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DETAILS SHEET

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(3,4)RS-4	CLINTON	10	9
			CONTRACT NO. 76L08	
ILLINOIS FED. AID PROJECT				

*FAP 690/FAS 1848

