

INDEX OF SHEETS

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- 3 SUMMARY OF QUANTITIES
- 4-5 TYPICAL SECTIONS
- 6-8 SCHEDULE OF QUANTITIES
- 9 LOCATION MAP

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO.2

TRAFFIC DATA

IL-4 TO IL-160

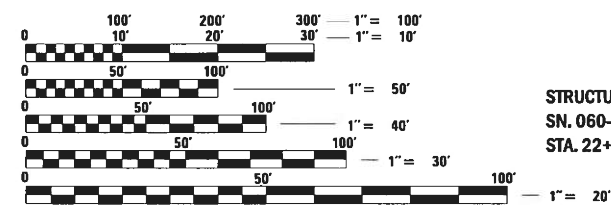
2019 ADT (ACTUAL): 2650
 2020 ADT (ESTIMATED): 2700
 2040 ADT (ESTIMATED): 3300
 SU: 3.0%
 MU: 2.6%

IL-160 TO POKEY AVE.

2019 ADT (ACTUAL): 1850
 2020 ADT (ESTIMATED): 1850
 2040 ADT (ESTIMATED): 2300
 SU: 7.6%
 MU: 5.4%

POKEY AVE. TO IL-127

2019 ADT (ACTUAL): 2750
 2020 ADT (ESTIMATED): 2800
 2040 ADT (ESTIMATED): 3400
 SU: 1.8%
 MU: 1.5%



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 LOCATING INFORMATION FOR EXCAVATORS
 1-800-892-0123
 OR 811

PROJECT ENGINEER: TIFFANY BRASE (618) 346-3175
 PROJECT MANAGER: MESERET SIMA (618) 346-3141

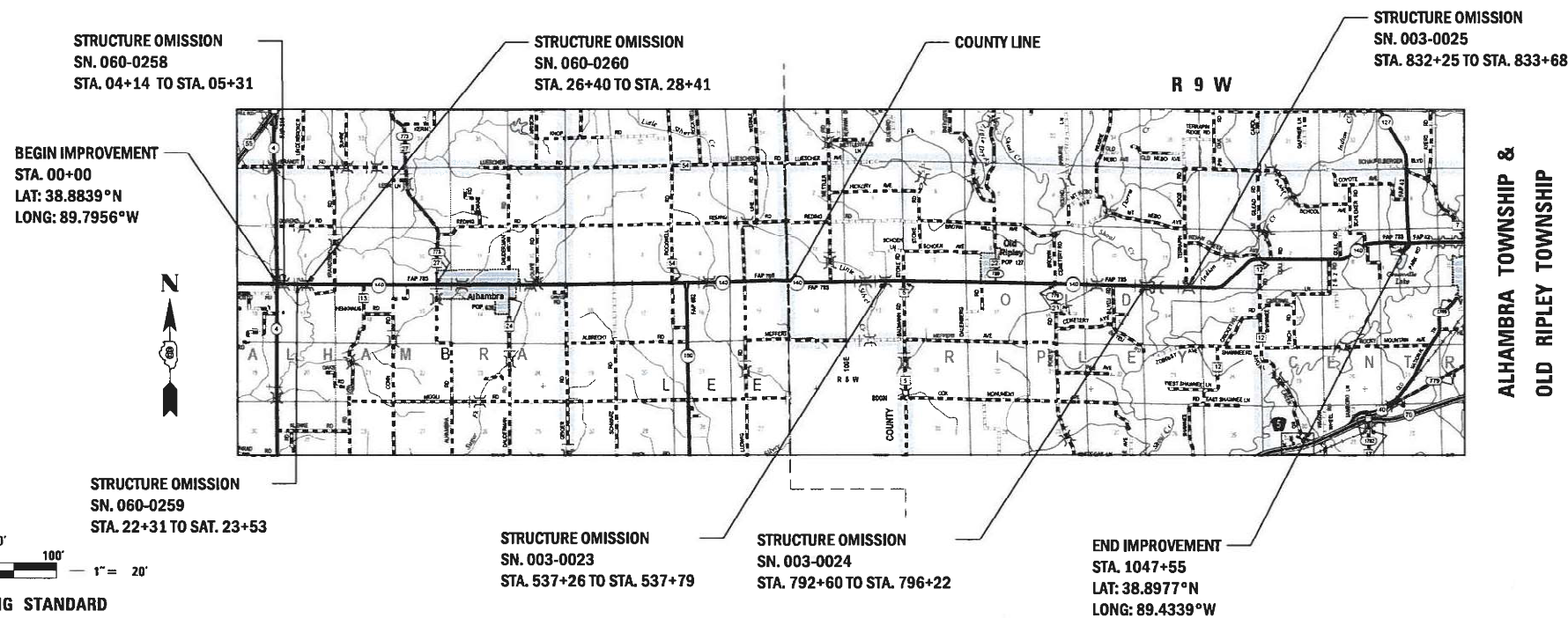
CONTRACT NO. 76N50

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**PROPOSED
 HIGHWAY PLANS**

F.A.P. ROUTE 785 (IL-140)
 SECTION (136,137-1,138,139)PP-1
 PROJECT
 PATCHING FROM IL 4 TO IL 127
 MADISON & BOND COUNTIES

C-98-098-20

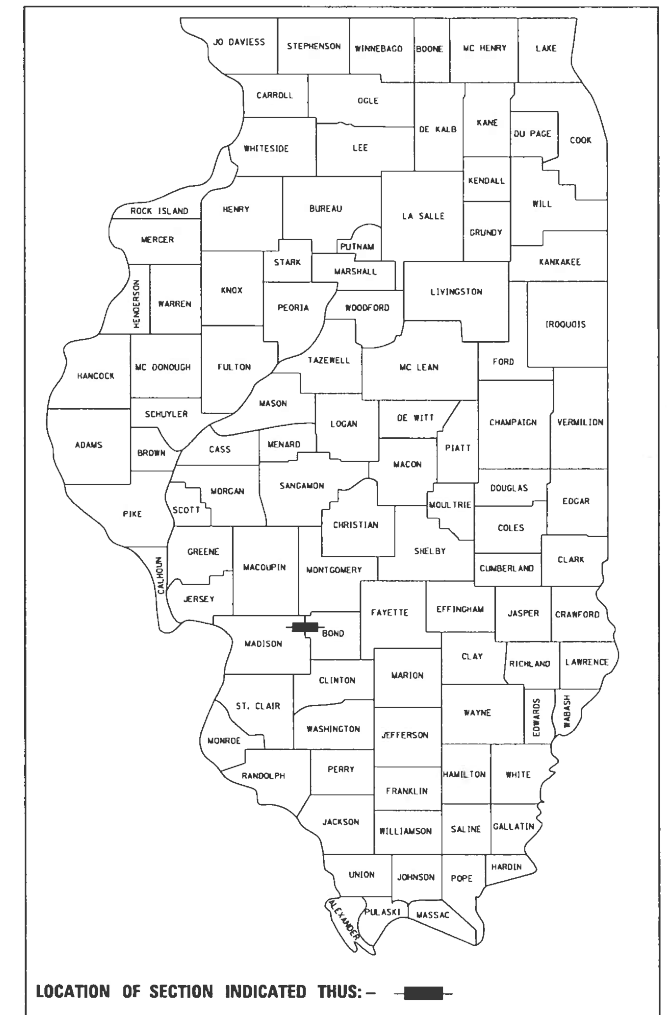


GROSS LENGTH = 104,755 FEET = 19.840 MILES
 NET LENGTH = 103,740 FEET = 19.648 MILES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	(136,137-1,138,139)PP-1	*	9	1
		ILLINOIS	CONTRACT NO. 76N50	

* MADISON AND BOND

D-98-083-20



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED *March 13, 2020*
Keith Roberts
 REGIONAL ENGINEER

May 8, 2020
Scott A. Etk
 ENGINEER OF DESIGN AND ENVIRONMENT

May 8, 2020
Jerry J. Gu
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				MADISON COUNTY ROADWAY	BOND COUNTY ROADWAY
				0005 RURAL	0005 RURAL
				100% STATE	
44200168	PAVEMENT PATCHING, TYPE II, 14 INCH	SQ YD	67		67
44200172	PAVEMENT PATCHING, TYPE III, 14 INCH	SQ YD	63		63
44200174	PAVEMENT PATCHING, TYPE IV, 14 INCH	SQ YD	2588		2588
44200202	PAVEMENT PATCHING, TYPE II, 17 INCH	SQ YD	287	287	
44200204	PAVEMENT PATCHING, TYPE III, 17 INCH	SQ YD	164	164	
44200206	PAVEMENT PATCHING, TYPE IV, 17 INCH	SQ YD	4614	4614	
67100100	MOBILIZATION	L SUM	1	0.3	0.7
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.3	0.7
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.3	0.7
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.3	0.7
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	19885	7395	12490
X4406025	PARTIAL DEPTH REMOVAL, TYPE I, 2.5"	SQ YD	23		23
X4406225	PARTIAL DEPTH REMOVAL, TYPE II, 2.5"	SQ YD	230		230
X4406425	PARTIAL DEPTH REMOVAL, TYPE III, 2.5"	SQ YD	107		107

* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				MADISON COUNTY ROADWAY	BOND COUNTY ROADWAY
				0005 RURAL	0005 RURAL
				100% STATE	
X4406625	PARTIAL DEPTH REMOVAL, TYPE IV, 2.5"	SQ YD	123		123
X4421000	PARTIAL DEPTH PATCHING	TON	68		68
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	12	2	10

Ø 0042

REV. - MS

* MADISON AND BOND

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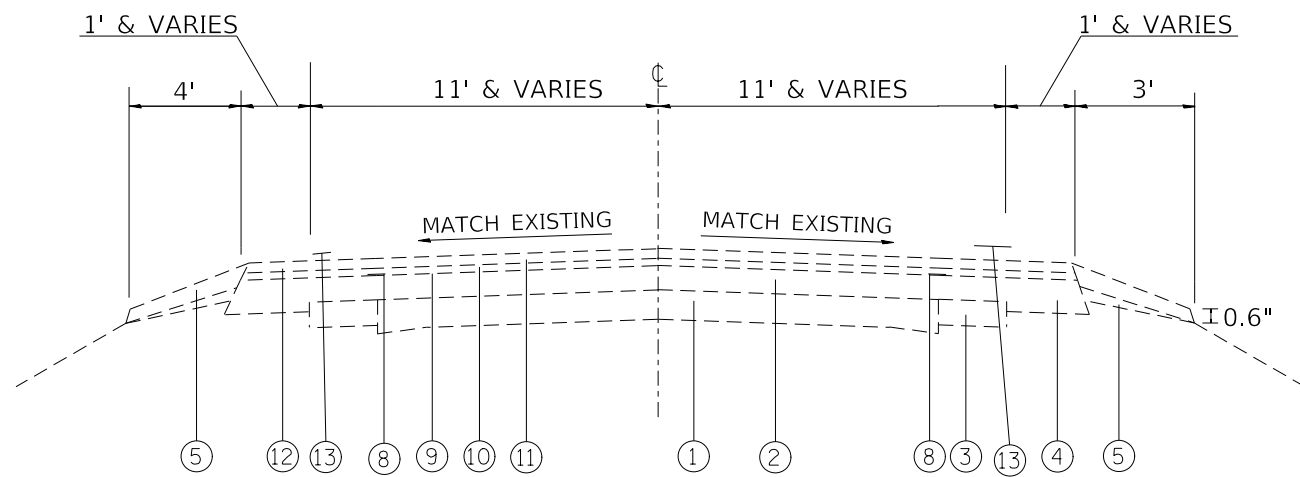
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

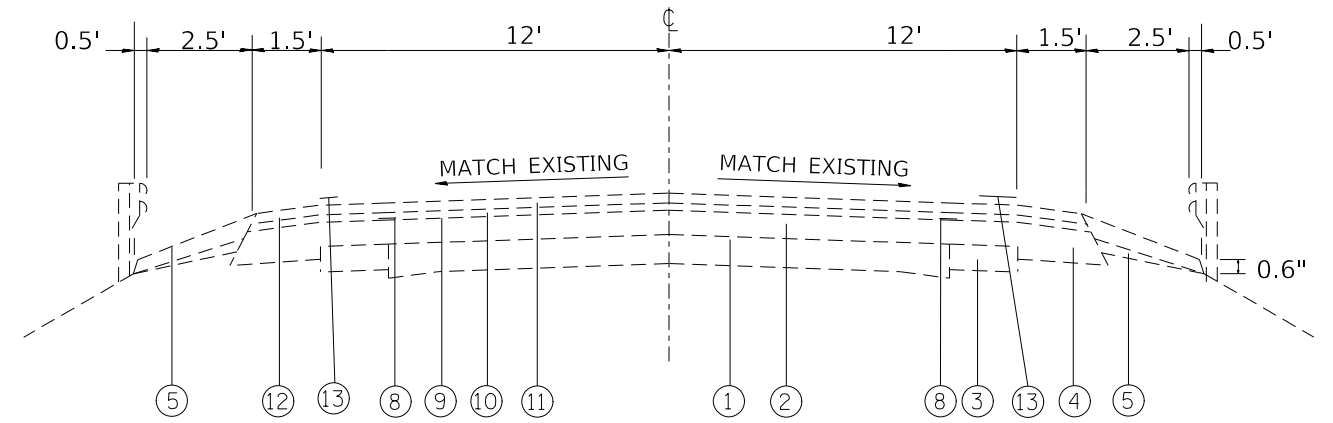
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 76N50	
		ILLINOIS	FED. AID PROJECT	



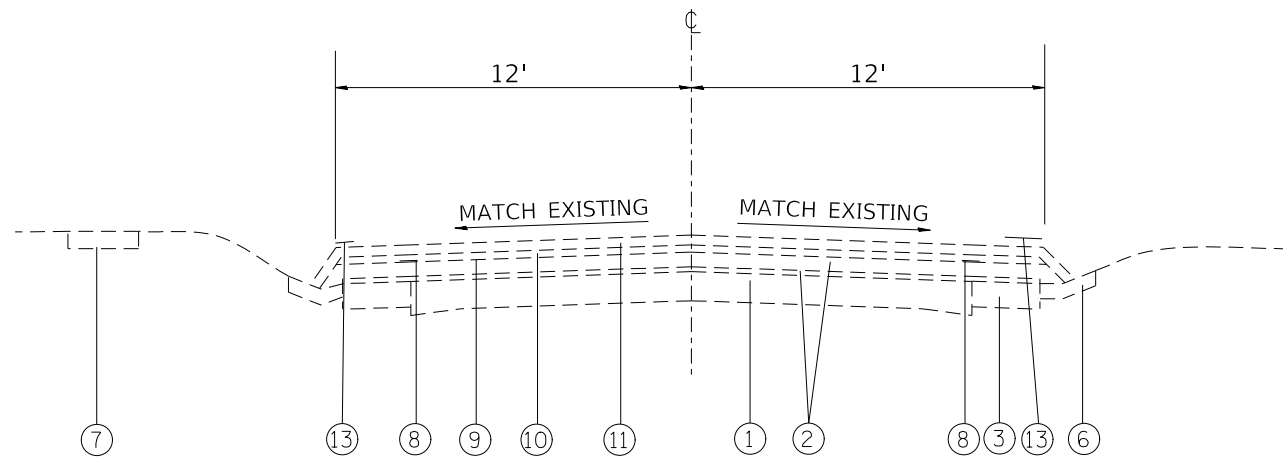
EXISTING TYPICAL SECTION

STA. 00+00 TO STA. 23+55
 STA. 27+20 TO STA. 175+69
 STA. 180+61 TO STA. 466+46



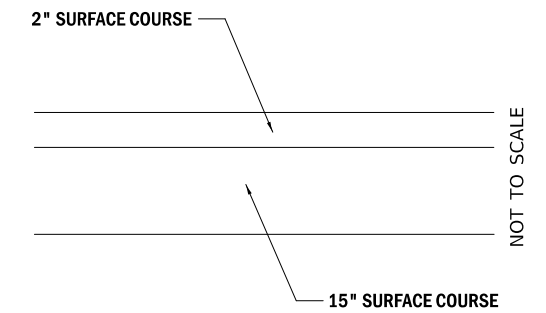
EXISTING TYPICAL SECTION

STA. 23+55 TO STA. 27+20



EXISTING TYPICAL SECTION

STA. 175+69 TO STA. 180+61



FULL-DEPTH PATCH DETAIL (17")

STA. 107+33 TO STA. 466+46

STRUCTURE OMISSION	STATIONS		LENGTH FOOT
SN. 060-0258	4+14	TO 5+31	117
SN. 060-0259	22+31	TO 23+53	122
SN. 060-0260	26+40	TO 28+41	201
SN. 003-0023	537+26	TO 537+79	53
SN. 003-0024	792+60	TO 796+22	362
SN. 003-0025	832+25	TO 833+68	143

LEGEND

- ① EXISTING PCC PAVEMENT 9"-6"-9"
- ② EXISTING BITUMINOUS SURFACING (VARIES FROM 4½" TO 5¾")
- ③ EXISTING PCC WIDENING (8" AND VARIES)
- ④ EXISTING BITUMINOUS SHOULDER 8"
- ⑤ EXISTING AGGREGATE SHOULDERS
- ⑥ EXISTING CONCRETE GUTTER
- ⑦ EXISTING CONCRETE SIDEWALK
- ⑧ EXISTING STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑨ EXISTING P.C.C WIDENING 9"
- ⑩ EXISTING LEVELING BINDER (MACHINE METHOD), ¾"
- ⑪ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, CLASS I, TYPE 2, MIX D, 1½"
- ⑫ EXISTING BITUMINOUS SHOULDERS
- ⑬ EXISTING PAINT PAVEMENT MARKING -LINE 4"
- ⑭ EXISTING BITUMINOUS SURFACE TREATMENT CLASS A-2

* MADISON AND BOND

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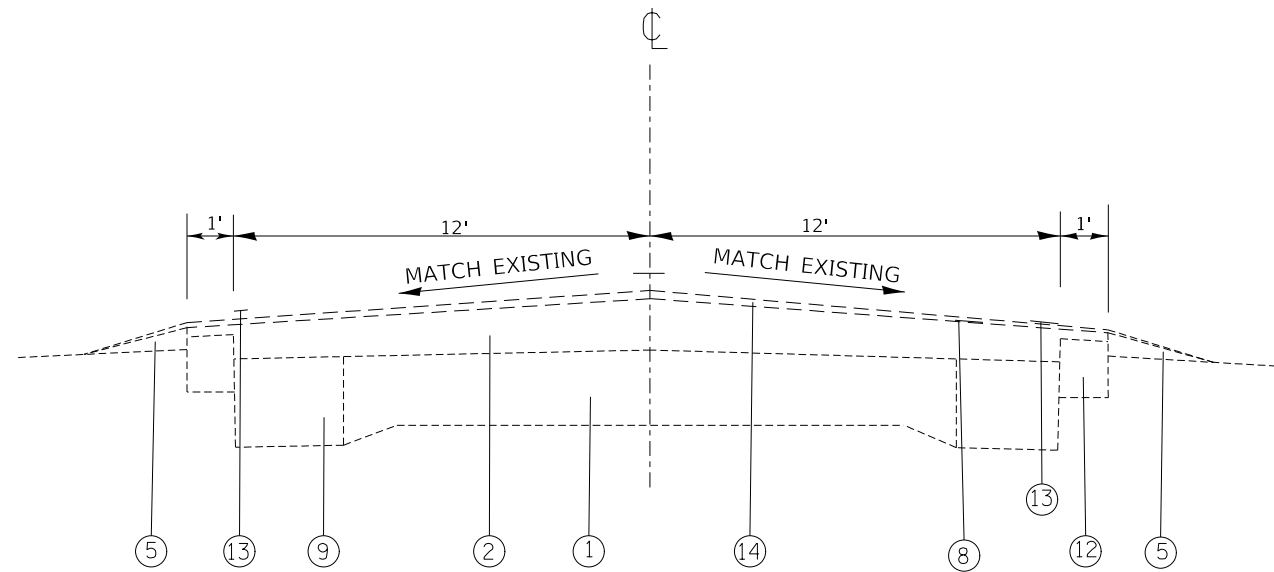
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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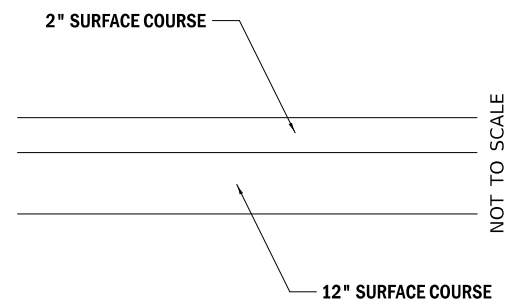
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CONTRACT NO. 76N50				
ILLINOIS		FED. AID PROJECT		



EXISTING TYPICAL SECTION

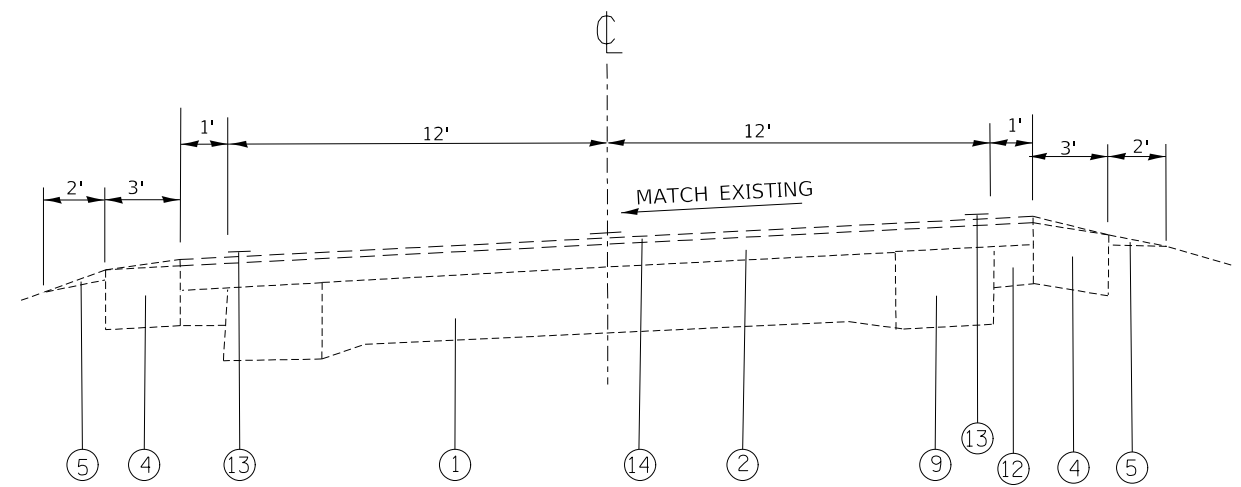
STA. 466+46 TO STA. 647+82
 STA. 723+32 TO STA. 1047+55

STRUCTURE OMISSION	STATIONS		LENGTH FOOT
SN. 060-0258	4+14	TO 5+31	117
SN. 060-0259	22+31	TO 23+53	122
SN. 060-0260	26+40	TO 28+41	201
SN. 003-0023	537+26	TO 537+79	53
SN. 003-0024	792+60	TO 796+22	362
SN. 003-0025	832+25	TO 833+68	143



FULL-DEPTH PATCH DETAIL (14")

STA. 466+46 TO STA. 1046+00



EXISTING TYPICAL SECTION

STA. 647+82 TO STA. 723+32

LEGEND

- ① EXISTING PCC PAVEMENT 9"-6"-9"
- ② EXISTING BITUMINOUS SURFACING (VARIES FROM 4½" TO 5¾")
- ③ EXISTING PCC WIDENING (8" AND VARIES)
- ④ EXISTING BITUMINOUS SHOULDER 8"
- ⑤ EXISTING AGGREGATE SHOULDERS
- ⑥ EXISTING CONCRETE GUTTER
- ⑦ EXISTING CONCRETE SIDEWALK

- ⑧ EXISTING STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑨ EXISTING P.C.C WIDENING 9"
- ⑩ EXISTING LEVELING BINDER (MACHINE METHOD), ¾"
- ⑪ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, CLASS I, TYPE 2, MIX D, 1½"
- ⑫ EXISTING BITUMINOUS SHOULDERS
- ⑬ EXISTING PAINT PAVEMENT MARKING -LINE 4"
- ⑭ EXISTING BITUMINOUS SURFACE TREATMENT CLASS A-2

* MADISON AND BOND

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PLOT DATE = 3/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	(136,137-1,138,139)PP-1	-	9	5
CONTRACT NO. 76N50				
ILLINOIS FED. AID PROJECT				

PAVEMENT PATCHING SCHEDULE (BOND COUNTY)						
STATION		LANE		PAVEMENT PATCHING 14"		
		LENGTH	WIDTH	TYPE-II	TYPE-III	TYPE-IV
		FOOT	FOOT	SQ YD	SQ YD	SQ YD
466+60	EB	12	6	8		
478+70	WB	30	3	10		
479+07	EB	40	3	13		
480+00	EB	30	3	10		
485+35	EB	100	3			33
511+10	EB	60	3		20	
512+20	EB	150	3			50
514+40	WB	100	3			33
517+50	EB	50	3		17	
524+40	EB	100	3			33
532+50	EB	50	6			33
537+88	EB	21	12			28
537+88	WB	21	12			28
538+45	EB	21	12			28
538+45	WB	21	12			28
545+00	EB	12	4	5		
545+00	WB	12	4	5		
554+25	EB	12	6	8		
554+25	WB	12	6	8		
565+40	EB	12	4	5		
565+40	WB	12	4	5		
568+85	EB	12	6	8		
568+85	WB	12	6	8		
568+85	EB	12	6	8		
568+85	WB	12	6	8		
573+25	WB	12	6	8		
583+45	EB	30	6		20	
583+45	WB	30	6		20	
587+70	EB	100	3			33
593+77	EB	12	7	9		
593+77	WB	12	7	9		
595+35	EB	12	12		16	
595+35	WB	12	12		16	
604+70	EB	100	3			33
610+10	EB	12	6	8		
610+10	WB	12	6	8		
610+95	EB	12	6	8		
610+95	WB	12	6	8		
611+00	EB	12	6	8		
611+00	WB	12	6	8		
621+85	EB	100	3			33
653+30	EB	200	3			67
663+50	EB	200	3			67
667+40	WB	12	4	5		
672+60	WB	200	3			67
SUB TOTAL:				191	109	595
PROJECTED FAILURES 15%				29	16	89
TOTAL (A)				219	125	685

PAVEMENT PATCHING SCHEDULE (BOND COUNTY)						
STATION		LANE		PAVEMENT PATCHING 14"		
		LENGTH	WIDTH	TYPE-II	TYPE-III	TYPE-IV
		FOOT	FOOT	SQ YD	SQ YD	SQ YD
686+75	EB	12	6	8		
686+75	WB	12	6	8		
693+80	EB	100	3			33
707+40	EB	12	6	8		
710+40	EB	100	3			33
714+50	WB	300	3			100
727+00	EB	500	3			167
735+80	EB	100	3			33
743+40	EB	12	6	8		
755+50	EB	300	3			100
762+00	EB	200	3			67
767+90	EB	300	3			100
773+40	EB	12	12		16	
776+50	EB	50	3		17	
780+00	EB	200	3			67
784+00	WB	300	3			100
792+50	WB	200	3			67
798+50	EB	50	3		17	
815+60	EB	150	3			50
820+00	EB	200	3			67
825+00	EB	200	3			67
850+00	EB	200	3			67
853+00	EB	150	3			50
858+00	WB	100	3			33
868+00	EB	200	3			67
874+00	EB	200	3			67
876+00	EB	100	3			33
879+80	EB	300	3			100
885+00	EB	200	3			67
910+00	EB	50	3		17	
913+00	EB	1000	3			333
915+00	WB	500	3			167
922+00	EB	800	3			267
932+90	EB	300	3			100
950+00	EB	300	3			100
954+00	WB	150	3			50
976+00	EB	200	3			67
982+00	EB	300	3			100
989+00	WB	400	3			133
994+00	WB	150	3			50
997+00	EB	400	3			133
1010+00	EB	600	3			200
1027+00	EB	150	3			50
1036+00	EB	200	3			67
1046+00	WB	200	3			67
SUB TOTAL:				32	66	3417
PROJECTED FAILURES 15%				5	10	513
TOTAL (B)				37	76	3929

GRAND TOTAL (A+B) (MADISON COUNTY)	256	201	4614
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* MADISON AND BOND

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	(136,137-1,138,139)PP-1	*	9	7
CONTRACT NO. 76N50			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING SCHEDULE (MADISON)				
STATION		LANE		PAINT
		LENGTH	WIDTH	PAVEMENT
		FOOT	FOOT	SOLID WHITE
FOOT				
21+23	EB	10	12	10
24+44	EB	8	12	8
25+61	WB	12	12	12
25+61	EB	12	12	12
26+25	WB	12	12	12
26+25	EB	12	12	12
28+35	EB	6	12	6
107+33	WB	400	3	400
108+09	WB	10	12	10
108+09	EB	10	12	10
125+32	WB	50	3	50
126+73	WB	550	3	550
148+78	WB	40	3	40
225+25	WB	70	12	70
228+10	EB	325	3	325
230+16	WB	140	3	140
291+82	EB	190	3	190
311+78	EB	65	3	65
320+77	WB	6	12	6
320+77	EB	6	12	6
322+10	EB	6	12	6
323+99	WB	6	12	6
325+00	EB	250	3	250
329+23	WB	150	3	150
352+08	EB	40	3	40
354+39	EB	50	3	50
377+05	WB	415	3	415
379+00	EB	180	3	180
381+11	EB	40	3	40
386+34	EB	280	3	280
396+12	EB	100	3	100
399+54	EB	1000	3	1000
403+12	WB	320	3	320
410+66	WB	6	12	6
410+66	WB	6	12	6
414+78	WB	100	3	100
424+61	EB	1000	3	1000
425+78	WB	100	3	100
433+97	WB	6	12	6
433+97	EB	6	12	6
437+26	EB	300	3	300
448+92	EB	30	3	30
450+08	EB	650	3	650
459+83	EB	300	3	300
74+06	WB	20	12	20
74+06	EB	20	12	20
90+45	WB	80	12	80
TOTAL				7395

PAVEMENT MARKING SCHEDULE (BOND)				
STATION		LANE		PAINT
		LENGTH	WIDTH	PAVEMENT
		FOOT	FOOT	SOLID YELLOW
FOOT				
466+60	EB	12	6	12
478+70	WB	30	3	30
479+07	EB	40	3	40
480+00	EB	30	3	30
485+35	EB	100	3	100
511+10	EB	60	3	60
512+20	EB	150	3	150
514+40	WB	100	3	100
517+50	EB	50	3	50
524+40	EB	100	3	100
532+50	EB	50	6	50
537+88	EB	21	12	21
537+88	WB	21	12	21
538+45	EB	21	12	21
538+45	WB	21	12	21
545+00	EB	12	4	12
545+00	WB	12	4	12
554+25	EB	12	6	12
554+25	WB	12	6	12
565+40	EB	12	4	12
565+40	WB	12	4	12
568+85	EB	12	6	12
568+85	WB	12	6	12
568+85	EB	12	6	12
568+85	WB	12	6	12
573+25	WB	12	6	12
583+45	EB	30	6	30
583+45	WB	30	6	30
587+70	EB	100	3	100
593+77	EB	12	7	12
593+77	WB	12	7	12
595+35	EB	12	10	12
595+35	WB	12	10	12
604+70	EB	100	3	100
610+10	EB	12	6	12
610+10	WB	12	6	12
610+95	EB	12	6	12
610+95	WB	12	6	12
611+00	EB	12	6	12
611+00	WB	12	6	12
621+85	EB	100	3	100
653+30	EB	200	3	200
663+50	EB	200	3	200
667+40	WB	12	4	12
672+60	WB	200	3	200
SUB TOTAL (A)				2030

PAVEMENT MARKING SCHEDULE (BOND)				
STATION		LANE		PAINT
		LENGTH	WIDTH	PAVEMENT
		FOOT	FOOT	SOLID YELLOW 4"
FOOT				
686+75	EB	12	6	12
686+75	WB	12	6	12
693+80	EB	100	3	100
707+40	EB	12	6	12
710+40	EB	100	3	100
714+50	WB	300	3	300
727+00	EB	500	3	500
735+80	EB	100	3	100
743+40	EB	12	6	12
755+50	EB	300	3	300
762+00	EB	200	3	200
767+90	EB	300	3	300
773+40	EB	12	12	12
776+50	EB	50	3	50
780+00	EB	200	3	200
784+00	WB	300	3	300
792+50	WB	200	3	200
798+50	EB	50	3	50
815+60	EB	150	3	150
820+00	EB	200	3	200
825+00	EB	200	3	200
850+00	EB	200	3	200
853+00	EB	150	3	150
858+00	WB	100	3	100
868+00	EB	200	3	200
874+00	EB	200	3	200
876+00	EB	100	3	100
879+00	EB	300	3	300
885+00	EB	200	3	200
910+00	EB	50	3	50
913+00	EB	1000	3	1000
915+00	WB	500	3	500
922+00	EB	800	3	800
932+90	EB	300	3	300
950+00	EB	300	3	300
954+00	WB	150	3	150
976+00	EB	200	3	200
982+00	EB	300	3	300
989+00	WB	400	3	400
994+00	WB	150	3	150
997+00	EB	400	3	400
1010+00	EB	600	3	600
1027+00	EB	150	3	150
1036+00	EB	200	3	200
1046+00	WB	200	3	200
SUB TOTAL (B)				10460

GRAND TOTAL (A+B)	12490
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* MADISON AND BOND

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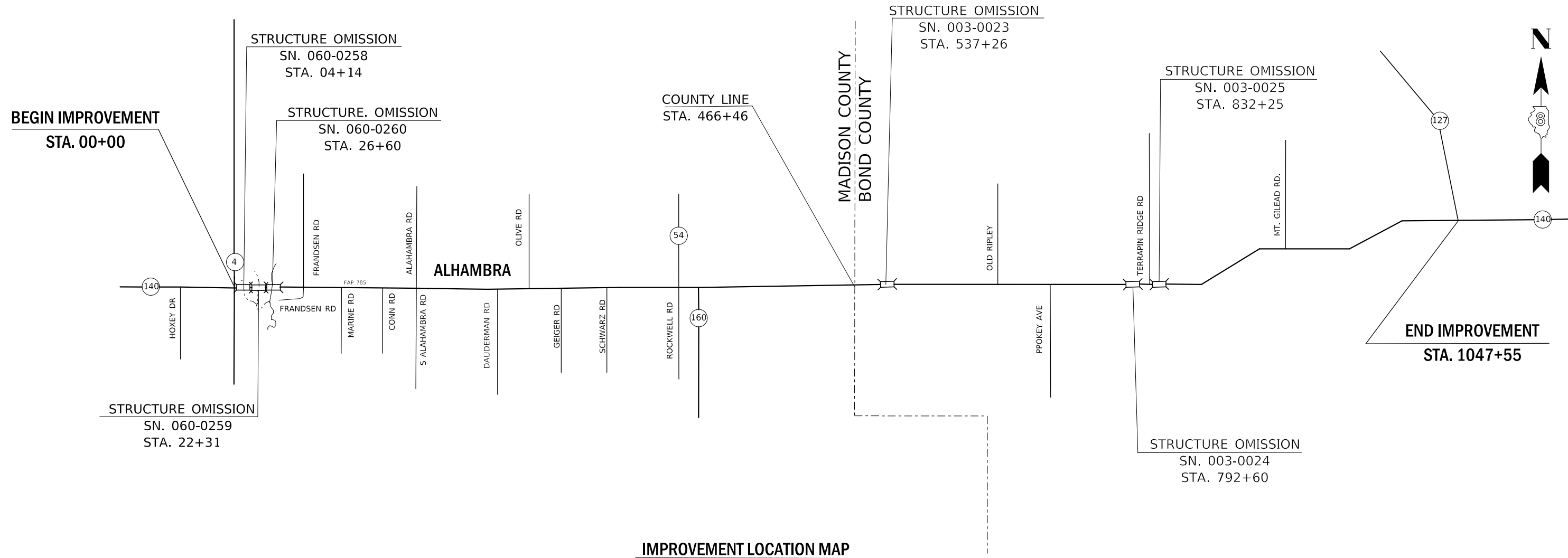
USER NAME = simam	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	(136,137-1,138,139)PP-1	*	9	8
CONTRACT NO.				
ILLINOIS		FED. AID PROJECT		



IMPROVEMENT LOCATION MAP

(NOT TO SCALE)

MODEL: Default
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* MADISON AND BOND

USER NAME = simam	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	(136,137-1,138,139)PP-1	*	9	9
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ILLINOIS		FED. AID PROJECT		