

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	5RS-6, 6RS-4	CALHOUN	7	1
		ILLINOIS	CONTRACT NO. 76H05	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**ADT**

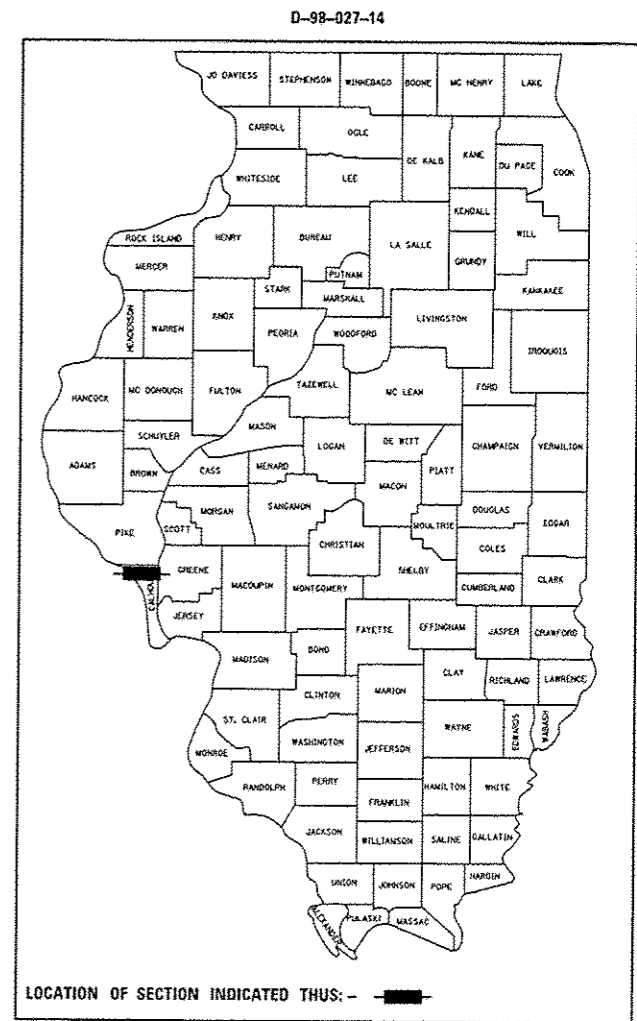
HAMBURG RD. TO SUMMIT GROVE RD.  
 2013 ADT = 450 (ACTUAL)  
 2014 ADT = 475 (ESTIMATED)  
 SU = 8.9%  
 MU = 6.7%

SUMMIT GROVE RD. TO ELM ST.  
 2013 ADT = 550 (ACTUAL)  
 2014 ADT = 575 (ESTIMATED)  
 SU = 7.3%  
 MU = 5.5%

ELM ST. TO IL 100  
 2013 ADT = 750 (ACTUAL)  
 2014 ADT = 775 (ESTIMATED)  
 SU = 5.2%  
 MU = 3.4%

**FAP ROUTE 304 (IL 96)**  
**SECTION 5RS-6, 6RS-4**  
**PROJECT ACNHPP-0304(050)**  
**RESURFACING FROM HAMBURG RD. TO IL 100**  
**CALHOUN COUNTY**

C-98-029-14

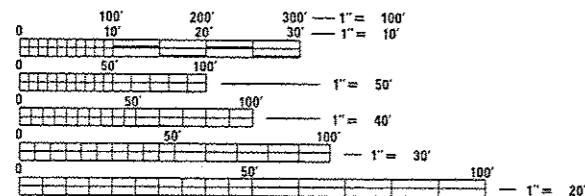
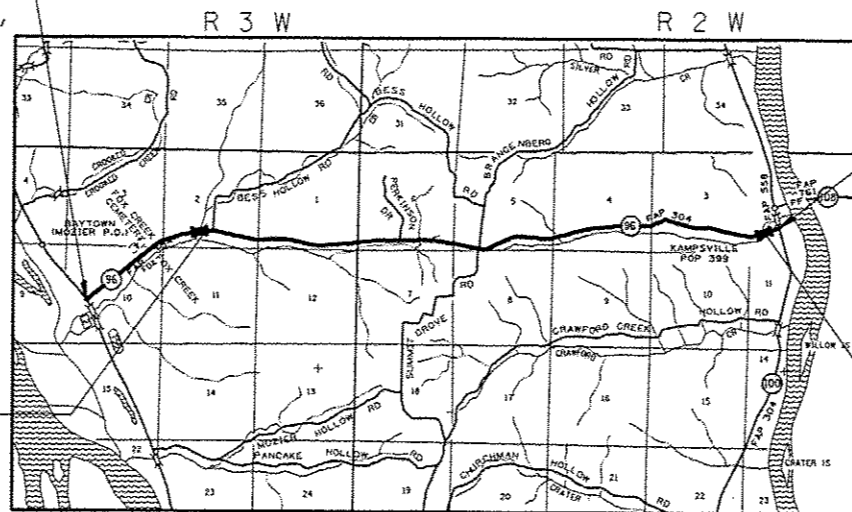


PROJECT BEGINS  
 STA. 399+88  
 LAT: 39° 17'04.77"  
 LONG: 90° 44'22.65"

PROJECT ENDS  
 STA. 787+37  
 LAT: 39° 17'45.46"  
 LONG: 90° 36'35.31"

OMISSION  
 STA. 474+17 TO  
 STA. 476+15

OMISSION  
 STA. 779+39 TO  
 STA. 780+02

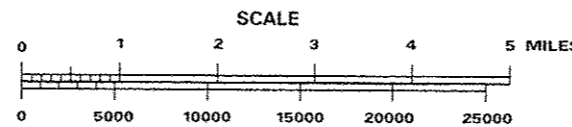


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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: LEONARD CHILDS 618-346-3191

CONTRACT NO. 76H05



GROSS LENGTH = 38,749 FT. = 7.34 MILE  
 NET LENGTH = 38,491 FT. = 7.29 MILE

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED Oct 7 2016  
Jeffrey E. Kan  
 REGION 5 ENGINEER

Dec 9 2016  
Mareem M. Addis  
 ENGINEER OF DESIGN AND ENVIRONMENT

Dec 9 2016  
 DIRECTOR OF PROGRAM DEVELOPMENT

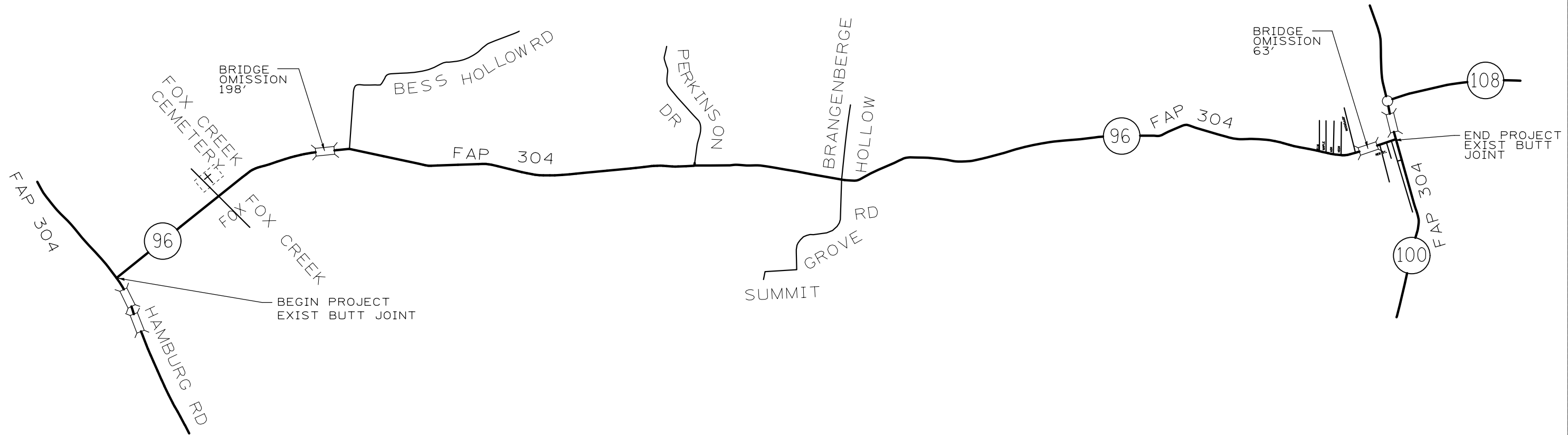
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 OF THE STATE OF ILLINOIS**



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				ROADWAY 0005
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	42486	42486
40600990	TEMPORARY RAMP	SQ YD	98	98
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	14770	14770
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	94411	94411
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	720	720
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4
67100100	MOBILIZATION	LSUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	LSUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	11625	11625
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1292	1292
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	244704	244704

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				ROADWAY 0005
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	50	50
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	121567	121567
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	25	25
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	785	785
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	484	484
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	484	484
∅ 20076600	TRAINEES	Hour	1500	1500
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	81618	81618
∅ 20076604	TRAINEES TRAINING PROGRAM GRADUATE	Hour	1500	1500
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	38755	38755

8  
\* SPECIALTY ITEM  
∅ 0042



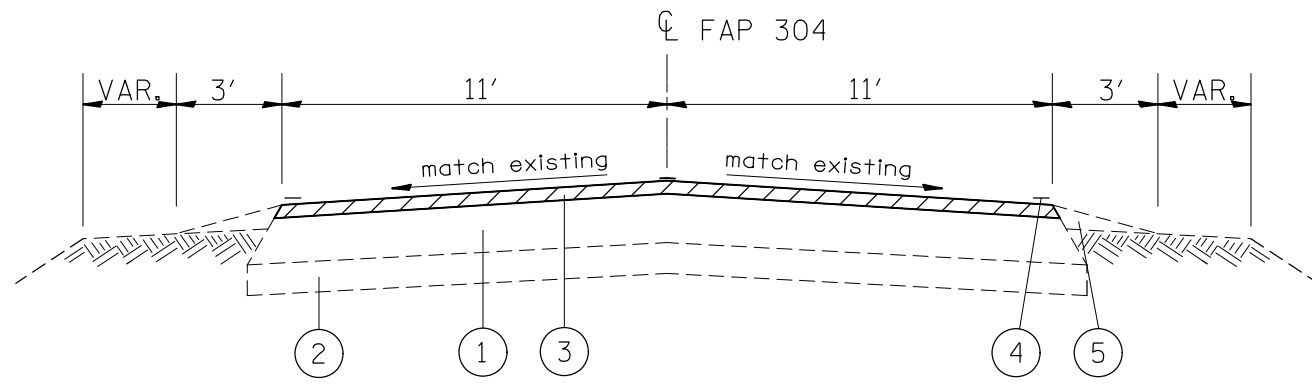
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	PLOT SCALE = 100.0000' / in.	CHECKED - ___	REVISED - ___
	PLOT DATE = 10/6/2016	DATE - ___	REVISED - ___

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

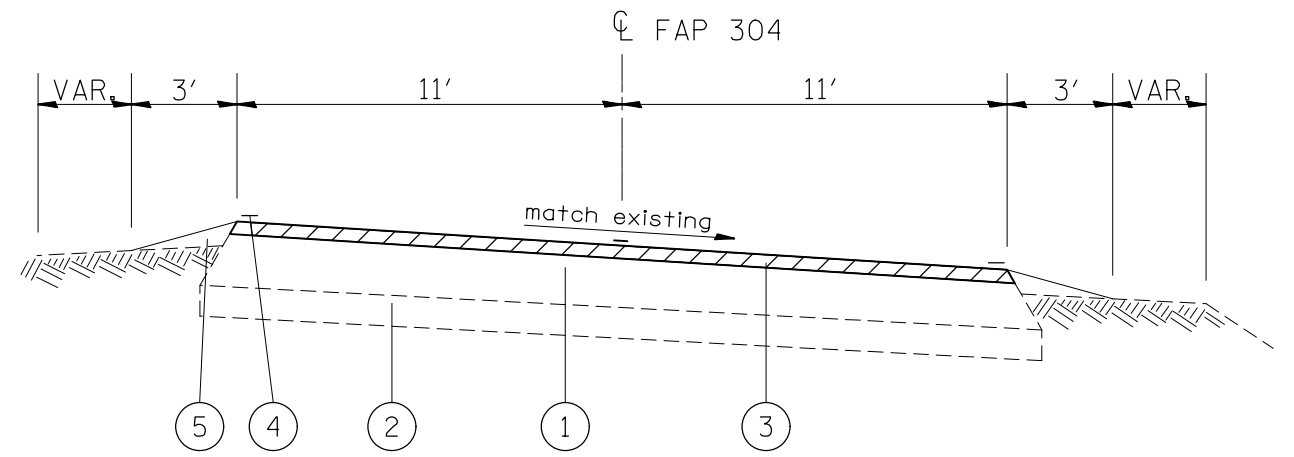
**LOCATION MAP**

SCALE: \_\_\_\_\_ SHEET NO. 1 OF 1 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

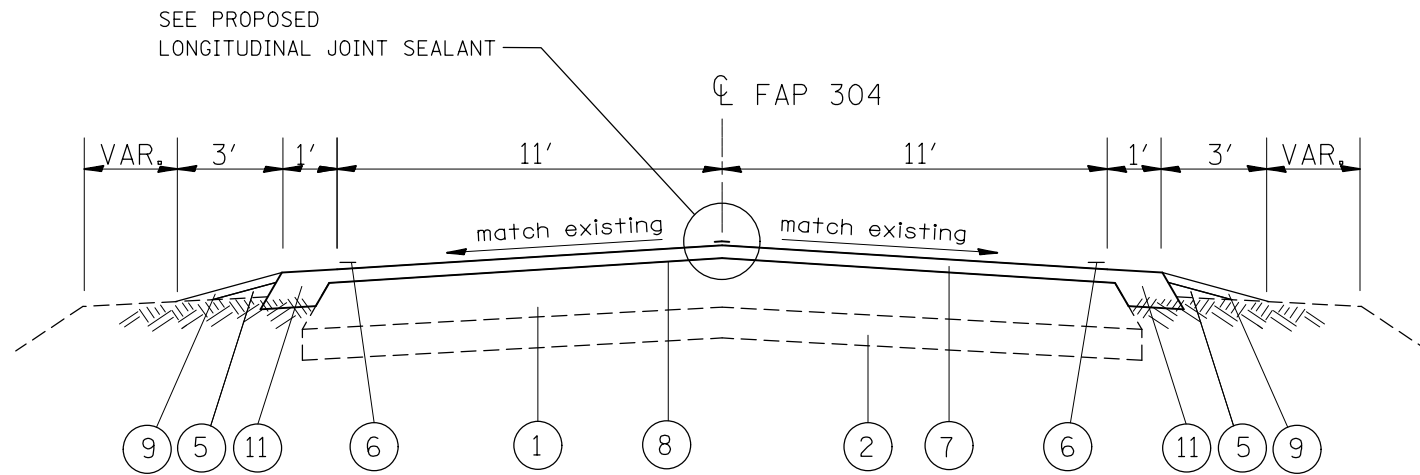
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	5RS-6, 6RS-4	CALHOUN	7	4
CONTRACT NO. 76H05				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



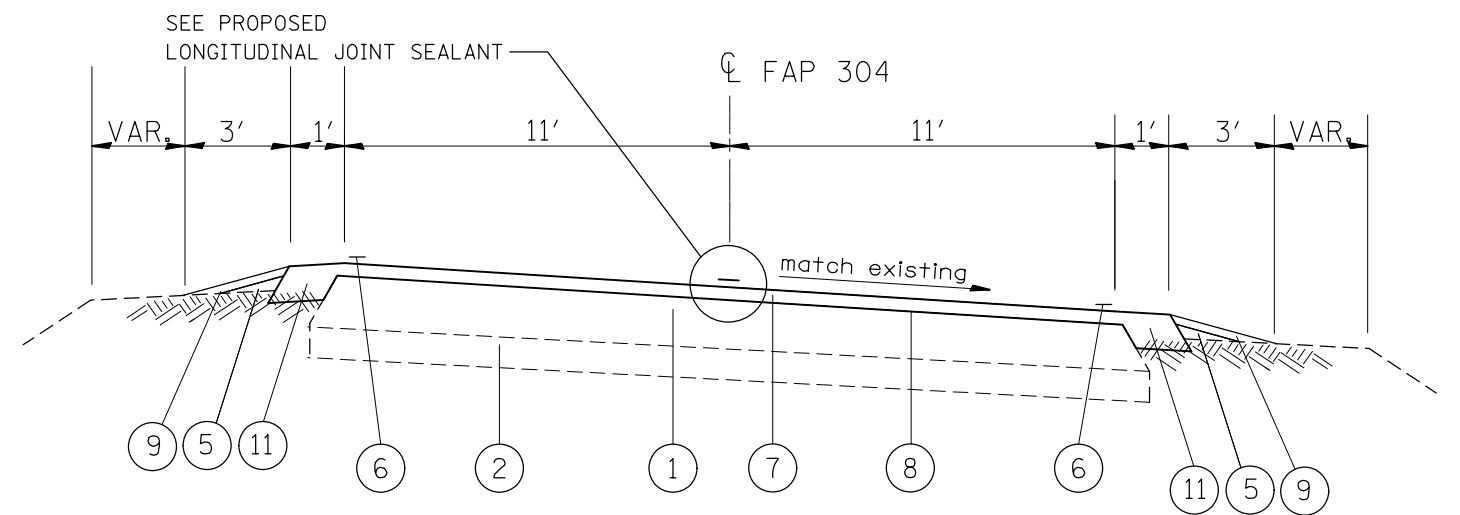
EXISTING TANGENT SECTION



EXISTING SUPERELEVATED SECTION



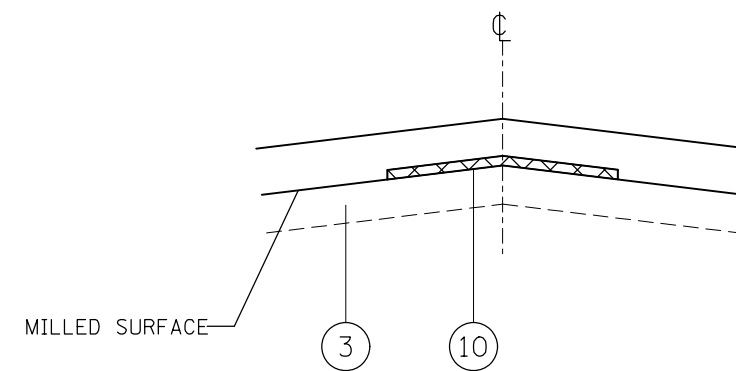
PROPOSED TANGENT SECTION



PROPOSED SUPERELEVATED SECTION

**LEGEND**

- ① EXISTING BITUMINOUS RESURFACING
- ② EXISTING AGGREGATE SUB-BASE
- ③ PROPOSED BITUMINOUS SURFACE REMOVAL - 2"
- ④ EXISTING PAINT PAVEMENT MARKING LINE - 4"
- ⑤ EXISTING AGGREGATE SHOULDERS, TYPE B
- ⑥ PROPOSED THERMOPLASTIC PAVEMENT MARKING LINE - 4"
- ⑦ PROPOSED HMA SURFACE COURSE, MIX "C", N70, 2 1/4"
- ⑧ PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- ⑨ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑩ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑪ PROPOSED HMA SAFETY SHOULDER, 6"



PROPOSED LONGITUDINAL JOINT SEALANT

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	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 10/7/2016		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: \_\_\_\_\_ SHEET NO. 1 OF 1 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	5RS-6, 6RS-4	CALHOUN	7	5
CONTRACT NO. 76H05				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

RESURFACING SCHEDULE

LOCATION			HMA SURF REM 2" (SQ YD)	BIT MATLS (TACK COAT) (POUND)	HMA SURF CRSE MIX C N70 (TON)	AGG WEDGE SHOULDERS TY B (TON)
STA	TO	STA				
399+88	TO	400+08	244	109.8	32.19	0.4
400+08	TO	474+17	18244.6	8210.1	2852.00	144.1
476+15	TO	479+39	792	356.4	123.99	6.0
479+39	TO	582+34	25165.6	11324.5	3939.59	190.6
582+34	TO	624+27	10249.6	4612.3	1604.47	77.6
624+27	TO	625+51	303.1	136.4	47.45	2.3
625+51	TO	770+87	35532.4	15989.6	5562.45	269.2
770+87	TO	773+17	562.2	253.0	87.97	4.3
773+17	TO	775+71	620.9	279.4	97.16	4.7
775+71	TO	778+81	757.8	341.0	118.64	5.7
778+81	TO	779+39	141.8	63.8	22.23	1.1
780+02	TO	782+01	486.4	220.0	76.15	3.7
782+01	TO	787+17	1261.3	567.6	197.52	9.6
787+17	TO	787+37	48.9	22.0	7.69	0.4
TOTAL			94410.6	42485.9	14770	719.7

LONGITUDINAL JOINT SEALANT

LOCATION			QNTY (FOOT)
STA	TO	STA	
399+88	TO	474+17	7429
476+15	TO	779+39	30324
780+02	TO	787+37	735
TOTAL LONGITUDINAL JOINT SEALANT			38488

THERMO PAVEMENT MARKING SCHEDULE

LOCATION			EDGE LINE SOLID WHITE 4" (FOOT)	NPZ - EB SOLID YELLOW 4" (FOOT)	CENTERLINE SKIP-DASH YELLOW 4" (FOOT)	NPZ - WB SOLID YELLOW 4" (FOOT)	EDGE LINE SOLID WHITE 4" (FOOT)
STA	TO	STA					
399+88	TO	405+38	550	550	137.5		550
405+38	TO	407+68	230		57.5		230
407+68	TO	415+98	830		207.5	830	830
415+98	TO	417+48	150	150		150	150
417+48	TO	425+68	820	820	205		820
425+68	TO	427+58	190		47.5		190
427+58	TO	437+73	1015		253.75	1015	1015
437+73	TO	439+53	180		45		180
439+53	TO	451+43	1190	1190	297.5		1190
451+43	TO	463+28	1185		296.25	1185	1185
463+28	TO	465+08	180		45		180
465+08	TO	474+17	909		227.25	909	909
FOX CREEK OMISSION							
476+15	TO	476+78	63		15.75	63	63
476+78	TO	481+48	470	470		470	470
481+48	TO	492+98	1150	1150	287.5		1150
492+98	TO	518+28	2530		632.5		2530
518+28	TO	528+08	980	980	245		980
528+08	TO	529+88	180		45		180
529+88	TO	534+38	450		112.5	450	450
534+38	TO	539+68	530	530		530	530
539+68	TO	545+28	560	560	140		560
545+28	TO	553+48	820		205	820	820
553+48	TO	556+48	300	300		300	300
556+48	TO	565+28	880	880	220		880
565+28	TO	570+88	560	560		560	560
570+88	TO	582+58	1170		292.5	1170	1170
582+58	TO	592+38	980		245		980
592+38	TO	601+88	950	950	237.5		950
601+88	TO	604+88	300		75		300
604+88	TO	613+38	850		212.5	850	850
613+38	TO	615+63	225		56.25		225
615+63	TO	627+38	1175	1175	293.75		1175
627+38	TO	631+88	450	450		450	450
631+88	TO	639+88	800		200	800	800
639+88	TO	644+38	450	450		450	450
644+38	TO	651+88	750	750	187.5		750
651+88	TO	653+08	120	120		120	120
653+08	TO	660+08	700		175	700	700
660+08	TO	664+88	480	480		480	480
664+88	TO	671+88	700	700	175		700
671+88	TO	689+38	1750	1750		1750	1750
689+38	TO	700+63	1125	1125	281.25		1125
700+63	TO	712+88	1225		306.25		1225
712+88	TO	724+68	1180	1180	295		1180
724+68	TO	745+88	2120	2120		2120	2120
745+88	TO	758+38	1250		312.5	1250	1250
758+38	TO	779+39	2101		525.25		2101
BRIDGE OMISSION							
780+02	TO	787+38	736		184		736
TOTAL			38489	19390	7777.25	17422	38489
TOTAL THERMO PAVEMENT MARKING - LINE 4"							121567

SHORT-TERM PAVEMENT MARKING AND REMOVAL

LOCATION	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL		
	(FOOT)	(SQ FOOT)		
POST MILLING	3875	0		
PRIMED SURFACE	3875	0		
FINAL SURFACE	3875	1292		
TOTAL			11625	1292

PAINT PAVEMENT MARKING SCHEDULE

LOCATION			EDGE LINE SOLID WHITE 4" (FOOT)	NPZ - EB SOLID YELLOW 4" (FOOT)	CENTERLINE SKIP-DASH YELLOW 4" (FOOT)	NPZ - WB SOLID YELLOW 4" (FOOT)	EDGE LINE SOLID WHITE 4" (FOOT)
STA	TO	STA					
474+17	TO	476+15	198		49.5	198	198
779+39	TO	780+02	63		15.75		63
TOTAL			261		65.25	198	261
TOTAL PAINT PAVEMENT MARKING - LINE 4"							785

TEMP PAINT PVMNT MRK - LINE 4"

	LENGTH (FOOT)	APPL'S	QNTY (FOOT)
THERMO SKIP DASH YELLOW	7777	2	15554
THERMO SOLID YELLOW	36812	2	73624
THERMO SOLID WHITE	76978	2	153956
PAINT SKIP DASH YELLOW	65	2	130
PAINT SOLID YELLOW	198	2	396
PAINT SOLID WHITE	522	2	1044
TOTAL TEMP PAINT PAVEMENT MARKING - LINE 4"			244704

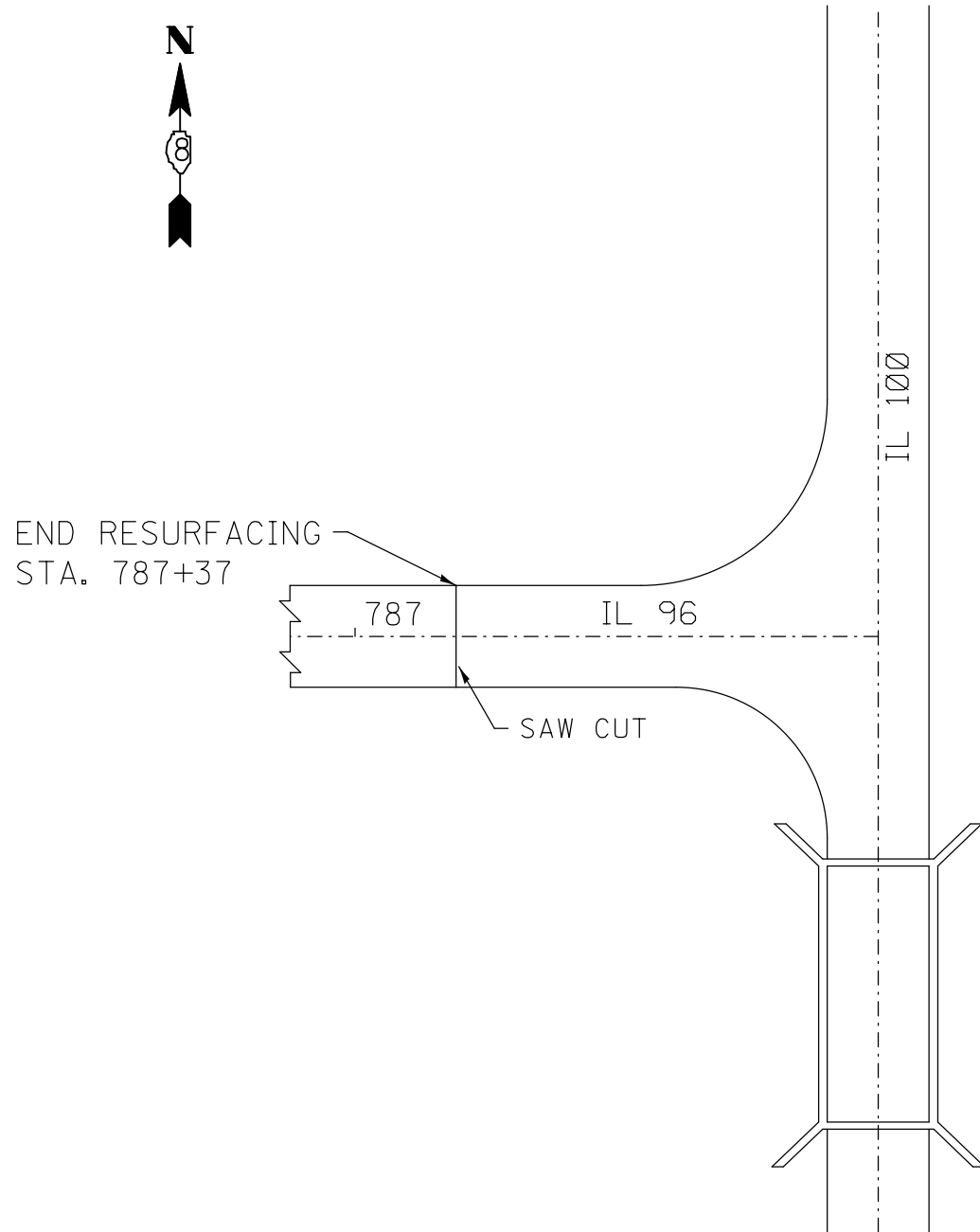
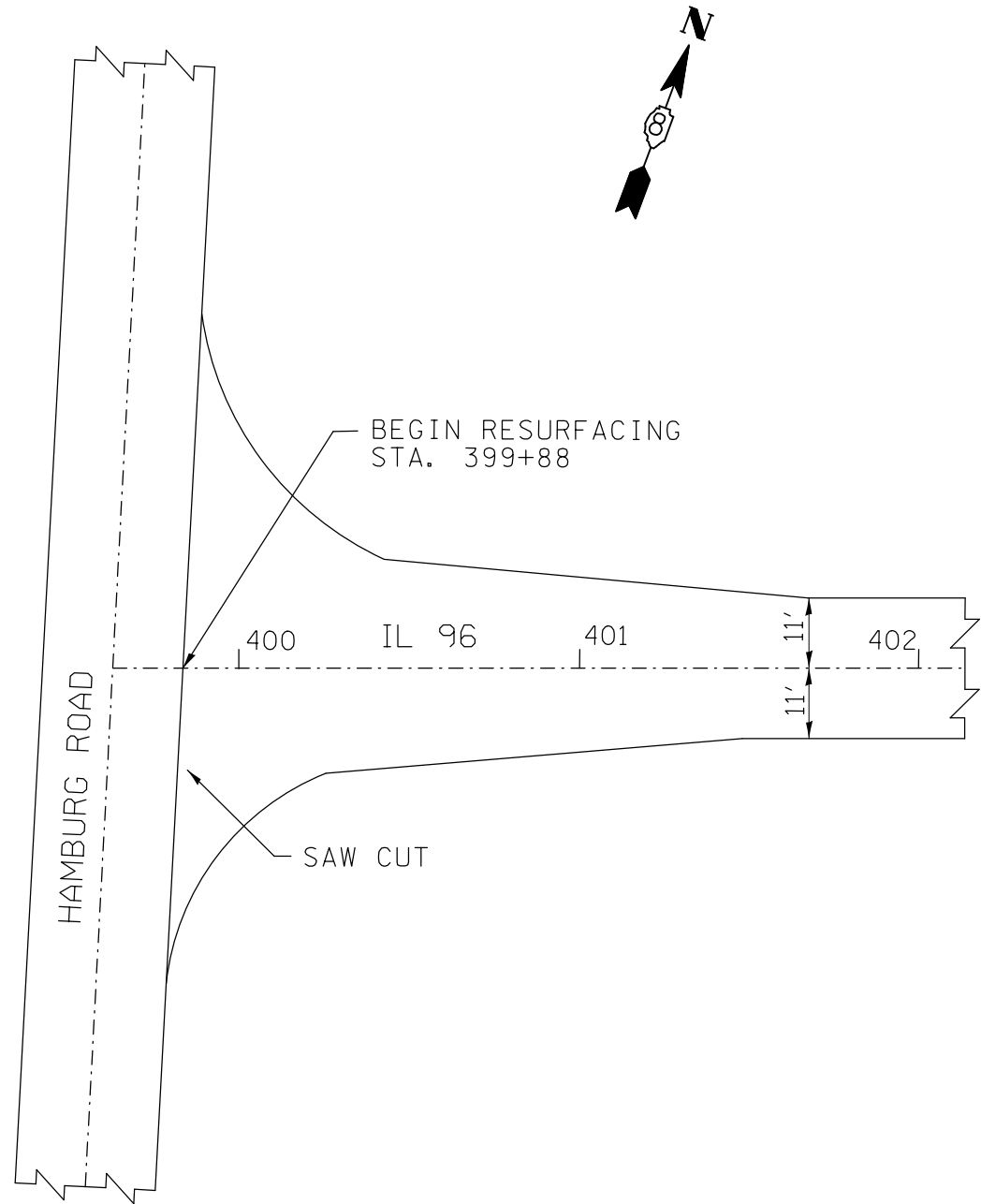
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		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES

SCALE: _____	SHEET NO. 1 OF 1 SHEETS	STA. _____ TO STA. _____
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	5RS-6, 6RS-4	CALHOUN	7	6
CONTRACT NO. 76H05				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAIL SHEETS**

SCALE: \_\_\_\_\_ SHEET NO. 1 OF 1 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	5RS-6, 6RS-4	CALHOUN	7	7
<b>CONTRACT NO. 76H05</b>				
<small>FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT</small>				