

**INDEX OF SHEETS**

07-31-2015 LETTING ITEM 043

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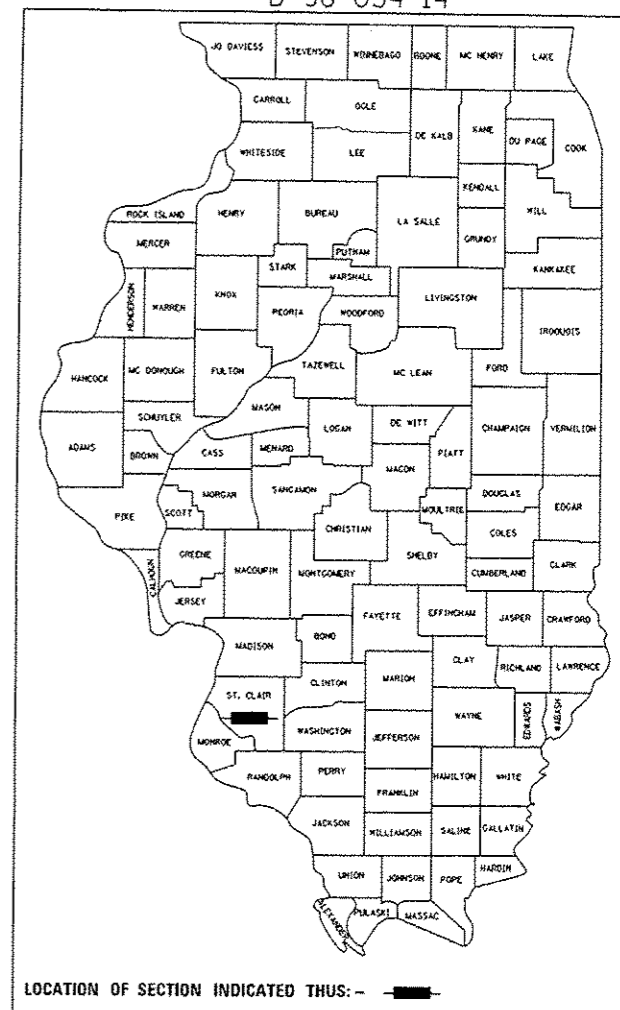
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

**PROPOSED**  
**HIGHWAY PLANS**

**FAS 1842 (IL ROUTE 156)**  
**SECTION 106RS-3**  
**RESURFACING - 3P**  
**ST. CLAIR COUNTY**  
**C-98-035-14**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1842	106RS-3	ST. CLAIR	12	1

D-98-034-14



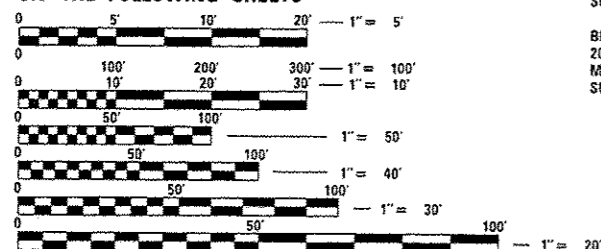
LOCATION OF SECTION INDICATED THUS: -

**HIGHWAY STANDARDS**

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 442201-03 CLASS C AND D PATCHES
- 482011-03 HMA SHLD, STRIPS/SHLDS, WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
- 701011-04 OFF-RO MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701201-04 LANE CLOSURE, 2L, 2W DAY ONLY FOR SPEEDS ≥ 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-03 LANE CLOSURE, 2L, 2W SLOW MOVING OPERATIONS, DAY ONLY FOR SPEEDS ≥ 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W MOVING OPERATIONS, DAY ONLY
- 701336-06 LANE CLOSURE, 2L, 2W WORK AREAS IN SERIES FOR SPEEDS ≥ 45 MPH
- 701801-04 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

MICROFILMED \_\_\_\_\_  
 REEL NUMBER \_\_\_\_\_  
 AWARDED \_\_\_\_\_  
 RESIDENT ENGINEER \_\_\_\_\_

AS BUILT CHANGES WERE MADE  
 ON THE FOLLOWING SHEETS



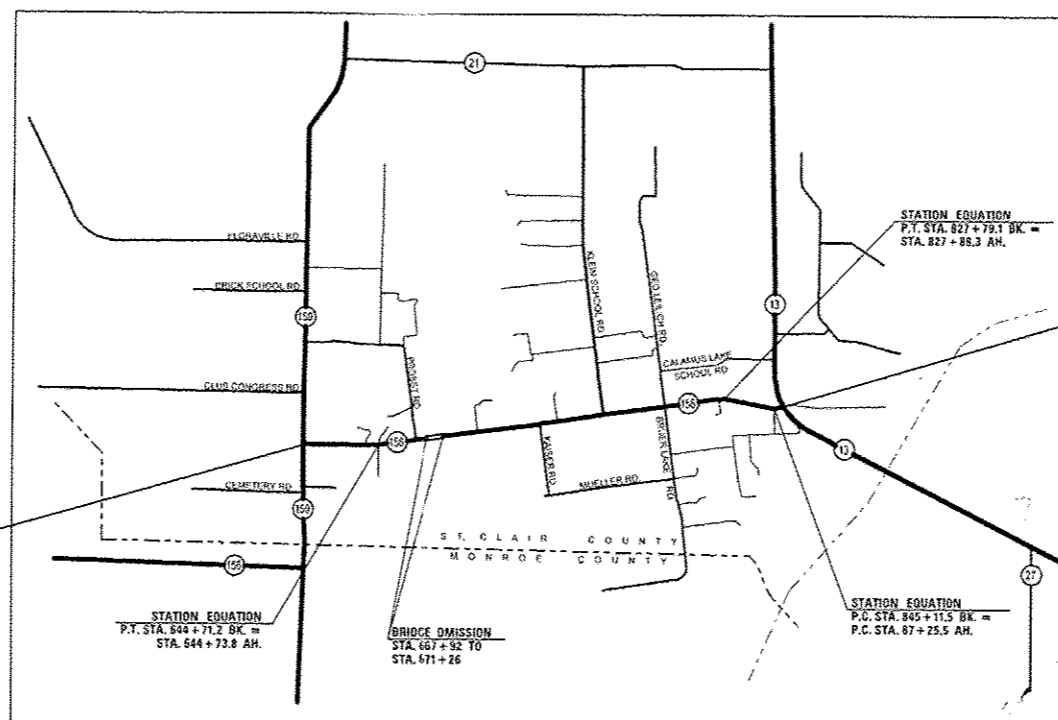
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

IL ROUTE 156	FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR
ILL 159 TO BRUER LAKE RD.	2300
2014 ADT:	4.9%
RIU %:	5.8%
BRUER LAKE RD. TO ILL 13	2750
2014 ADT:	4.1%
RIU %:	4.8%

BEGIN SECTION 106 RS-3  
 STA. 601+81

LATITUDE: 38°19'22"N  
 LONGITUDE: 89°59'40"W



RANGE 8 WEST, TOWNSHIP 2 SOUTH

LOCATION MAP  
 GROSS LENGTH = 25,293' (4.79 MILES)  
 BRIDGE OMISSION = 334' (0.06 MILES)  
 NET LENGTH = 24,959' (4.73 MILES)

APPROXIMATE SCALE  
 1" = 1 MILE



END SECTION 106 RS-3  
 STA. 97+00  
 LATITUDE: 38°19'43"N  
 LONGITUDE: 89°54'25"W

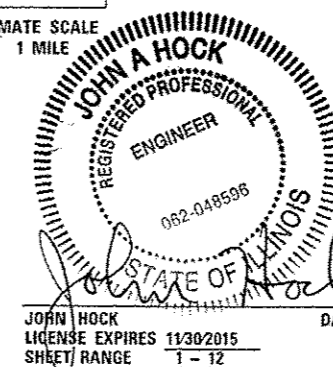
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED *May 8 2015*  
*Jeffrey L. Kan*  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

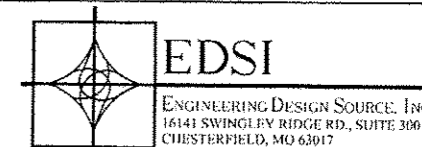
*June 26 2015*  
*John D. Baranzelli, PE*  
 ENGINEER OF DESIGN AND ENVIRONMENT

*June 26 2015*  
*Omer Osman, PE*  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROJECT ENGINEER **TIM PADGETT (618) 346-3325**  
 SQUAD LEADER **DONALD HAYDEN (618) 346-3194**  
 CONTRACT NO. 76H10



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 OF THE STATE OF ILLINOIS**



PLOT DATE: 4/23/2015 11:48:11 PM

4/23/2015  
 \*REF-  
 \*REF-  
 \*REF-

## GENERAL NOTES

- THE CONTRACTOR AND ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE ASSUMED TO BE APPROXIMATE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- THE THICKNESS OF THE BITUMINOUS SURFACE REMOVAL IS THE REMOVAL DEPTH AT THE CENTERLINE IN NON-GUTTER SECTIONS. THE THICKNESS OF THE BITUMINOUS SURFACE REMOVAL IS THE REMOVAL DEPTH AT THE EDGE OF PAVEMENT IN GUTTER SECTIONS. THE REMOVAL DEPTH VARIES FROM 1/2" TO 2" DEPENDING ON THE EXISTING CROSS SLOPE. SEE SHEET 6 FOR MILLING DETAILS. AN ESTIMATED 72,100 TONS OF BITUMINOUS SURFACE WILL BE REMOVED.
- THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM 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.
- ALL PATCHING ON THIS PROJECT SHALL BE COMPLETED PRIOR TO BITUMINOUS SURFACE REMOVAL.
- THE USE OF VIBRATORY ROLLERS IS PROHIBITED IN RESIDENTIAL AREAS. THIS DOES NOT RELIEVE THE CONTRACTOR OF DENSITY REQUIREMENTS FOR THE BITUMINOUS PAVEMENTS AS SPECIFIED IN THE APPROPRIATE SECTIONS OF THE STANDARD SPECIFICATIONS.
- HIGH EARLY STRENGTH CONCRETE MIX SHALL BE USED FOR ALL PCC PATCHING.
- SHORT TERM PAVEMENT MARKING SHALL BE APPLIED ON EACH PASS. ONLY THE REMOVAL OF THE FINAL SURFACE APPLICATION WILL BE PAID FOR (WORK ZONE PAVEMENT MARKING REMOVAL - 50 FT). A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKINGS HAS BEEN ADDED TO THE PLANS.
- ALL TEMPORARY PAVEMENT MARKINGS WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT MARKINGS.
- ALL 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 AT THE CONTRACTOR'S EXPENSE.
- THE ILLINOIS DEPARTMENT OF TRANSPORTATION 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 HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G. MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, 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. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. PLEASE 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.
- THE PAVEMENT MARKING SHOWN ON THE PLAN IS APPROXIMATE. THE LOCATION OF THE PROPOSED PAVEMENT MARKINGS SHALL MATCH EXISTING FIELD CONDITIONS, OR BE PLACED AS DIRECTED BY THE ENGINEER.
- ALL TRAFFIC CONTROL DEVICES SHALL BE SKID-MOUNTED.
- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SURFACE	INCIDENTAL	SHOULDERS <2.25"	PATCHING
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPECIAL PROVISION	SEE SPEC
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=30	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 9.5	IL 9.5L	IL 9.0
FRICTION AGG	MIXTURE "C"	MIXTURE "C"	---	MIXTURE "B"
QUALITY MGMT PROGRAM	QCP	QC/QA	QC/QA	QC/QA

## GENERAL NOTES (CON'T.)

- NO OVERNIGHT LANE CLOSURES OR EXCAVATED PAVEMENT PATCHES WILL BE ALLOWED.
- FLAGGERS SHALL BE PRESENT DURING ALL CLOSURE HOURS, INCLUDING LUNCH HOUR, AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- IN THE CONCRETE GUTTER SECTION (STA 822+20 TO STA 830+40) BITUMINOUS REMOVAL AND REPLACEMENT WILL CREATE A 2" DROP OFF BETWEEN THE TRAVELED LANES. THE REMOVAL AND REPLACEMENT IN THIS SECTION SHALL BE PERFORMED IN A CONTINUOUS MANNER AS TO MINIMIZE THE TIME WHERE THE 2" DROP OFF IS PRESENT.  
  
"UNEVEN LANE" SIGNS SHALL BE PLACED ON MILLED ROADWAY LANES THAT ARE NOT ABLE TO BE RESURFACED PRIOR TO OPENING THE LANES TO TRAFFIC. THE CONTRACTOR SHALL ALSO PROVIDE TEMPORARY SIGNAGE, IF NECESSARY, TO ENSURE THAT THE MAXIMUM SPEED LIMIT THROUGH SUCH AREAS IS 40 MILES PER HOUR. IF MILLING OPERATIONS CAUSE UNEVEN LANES IN THE VICINITY OF CURRENTLY-DESIGNATED PASSING ZONES, THE CONTRACTOR SHALL ALSO PROVIDE APPROPRIATE TEMPORARY PAVEMENT MARKINGS AND/OR TEMPORARY SIGNAGE, IN ORDER TO RESTRICT MOTORISTS FROM ATTEMPTING PASSING MOVEMENTS. THESE SIGNS WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS.
- "ROAD CONSTRUCTION AHEAD" SIGNS WITH A TURN ARROW SHALL BE PLACED ON APPROACHING LEGS OF ILLINOIS ROUTES 159 AND 13 TO ILLINOIS ROUTE 156, ALSO "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT ALL INTERSECTING SIDE ROADS. THESE SIGNS WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE (48" X 48").
- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. (1-800-892-0123 OR 811) OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
- PAY ITEMS PRECEDED WITH AN "\*" INDICATE A SPECIAL PROVISION

	ABOVE GROUND	BELOW GROUND
• AMEREN ILLINOIS, GAS & ELECTRIC	X	X
• AT&T ILLINOIS, COMMUNICATIONS	X	X
• CLEARWAVE COMMUNICATIONS		X
• FRONTIER NORTH, INC. COMMUNICATIONS	X	X
• FSH WATER COMMISSION		X
• HARRISONVILLE TELEPHONE COMPANY	X	X
• MEDIACOM, CABLE TV	X	X
• MONROE COUNTY ELECTRIC CO-OPERATIVE, INC.	X	X
• NEW WAVE COMMUNICATIONS	X	X
• WINDSTREAM KDL, INC. COMMUNICATIONS	X	X

MEMBERS OF J.U.L.I.E. (800)-892-0123 ARE INDICATED BY \*. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

## RATES OF APPLICATION

CRUSHED STONE (WITH FINES): AGGREGATE SHOULDERS	2.05 TON/CU YD
BITUMINOUS CONCRETE: SURFACE, BINDER	112 LBS/SQ YD/INCH
BITUMINOUS MATERIALS (PRIME COAT): MILLED HMA BASE, ACED NON-MILLED HMA BASE, MILLED CONCRETE AGGREGATE BASE	0.05 LB/SQ FT 0.25 LB/SQ FT

## COMMITMENTS

NONE

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				100% STATE ROADWAY 0005	-----	-----
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1211	1211		
40600990	TEMPORARY RAMP	SQ YD	578	578		
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	9085.1	9085.1		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	90.9	90.9		
44000151	HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"	SQ YD	69762	69762		
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	2343	2343		
44200168	PAVEMENT PATCHING, TYPE II, 14 INCH	SQ YD	150	150		
44200172	PAVEMENT PATCHING, TYPE III, 14 INCH	SQ YD	107	107		
44200174	PAVEMENT PATCHING, TYPE IV, 14 INCH	SQ YD	2676	2676		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2465.1	2465.1		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	109	109		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2		
67100100	MOBILIZATION	L SUM	1	1		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		

4/23/2015  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NONE    SHEET NO. 1 OF 2 SHEETS    STA.    TO STA.

F.A.I. RTE. 1842	SECTION 10GRS-3	COUNTY ST. CLAIR	TOTAL SHEETS 12	SHEET NO. 3
CONTRACT NO. 76H10				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

**SUMMARY OF QUANTITIES (CONT.)**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				100% STATE ROADWAY 0005	-----	-----
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2496	2496		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	61395	61395		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	20465	20465		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	61395	61395		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	312	312		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	312	312		
406 00275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	34270	34270		
X4406065	PARTIAL DEPTH REMOVAL, TYPE I, 6.5"	SQ YD	12	12		
X4406265	PARTIAL DEPTH REMOVAL, TYPE II, 6.5"	SQ YD	116	116		
X4421000	PARTIAL DEPTH PATCHING	TON	49.8	49.8		
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	Hour	1000	1000		

∅ 0042  
\* SPECIALTY ITEM

**LEGEND:**

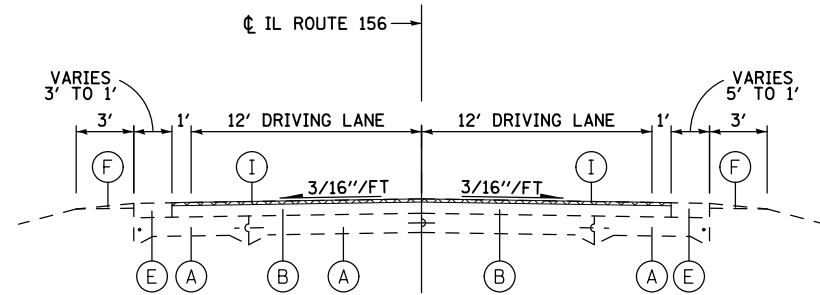
- (A) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT - 9"
- (B) EXISTING HMA RESURFACING - 4 1/2"
- (C) EXISTING SUB-BASE GRANULAR MATERIAL - 4"
- (D) EXISTING GUTTER TYPE A
- (E) EXISTING BITUMINOUS SHOULDER
- (F) EXISTING AGGREGATE SHOULDER
- (G) EXISTING BASE COURSE WIDENING - 9"
- (H) EXISTING BITUMINOUS BASE COURSE - 8"
- (I) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 1/2"
- (J) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 2"
- (K) PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- (L) PROPOSED HOT MIX ASPHALT SURFACE COURSE - 2 1/4"
- (M) PROPOSED HOT-MIX ASPHALT SHOULDER - 1 3/4"
- (N) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

**NOTES:**

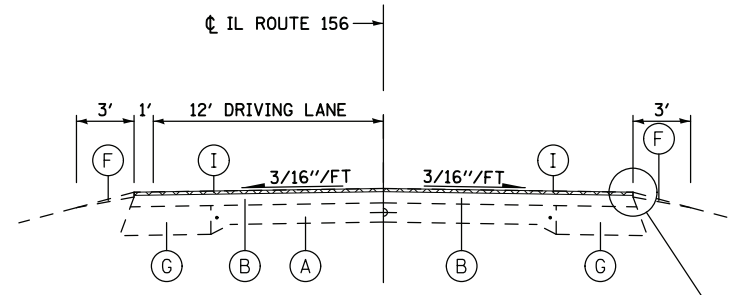
1. HMA SURFACE REMOVAL THICKNESS IS THE REMOVAL DEPTH AT THE EDGE OF PAVEMENT FOR GUTTER SECTIONS.
2. HMA SURFACE REMOVAL THICKNESS IS THE REMOVAL DEPTH AT THE CENTERLINE FOR NON-GUTTER SECTIONS.
3. FULL DEPTH PATCHING SHALL CONSIST OF CLASS C OR CLASS D PATCHES.

**LEGEND:**

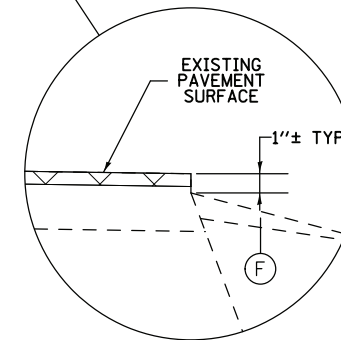
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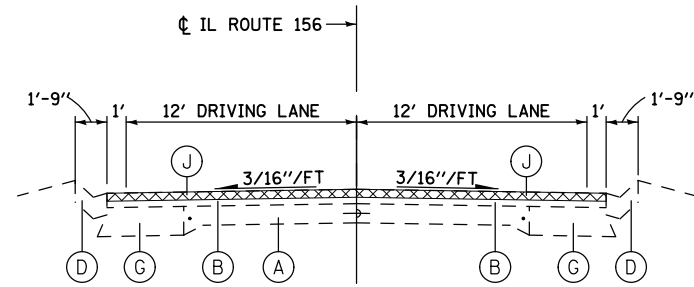
**EXISTING IL ROUTE 156**  
STA 601+81 TO STA 603+15



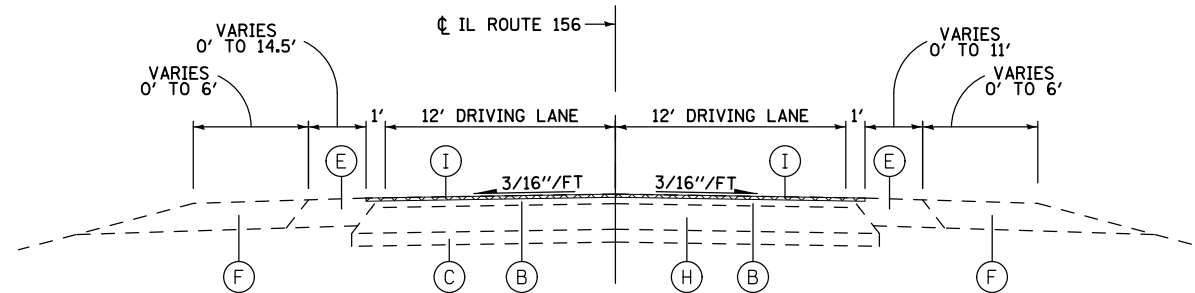
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STA 603+15 TO STA 667+92  
STA 671+26 TO STA 822+20  
STA 830+40 TO STA 87+26



EXISTING AGGREGATE WEDGE  
BELOW EDGE OF PAVEMENT



**EXISTING IL ROUTE 156**  
STA 822+20 TO STA 830+40



**EXISTING IL ROUTE 156**  
STA 87+26 TO STA 97+00

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

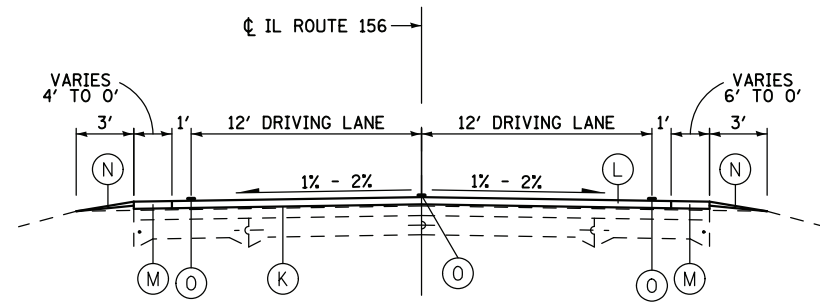
**TYPICAL SECTIONS**

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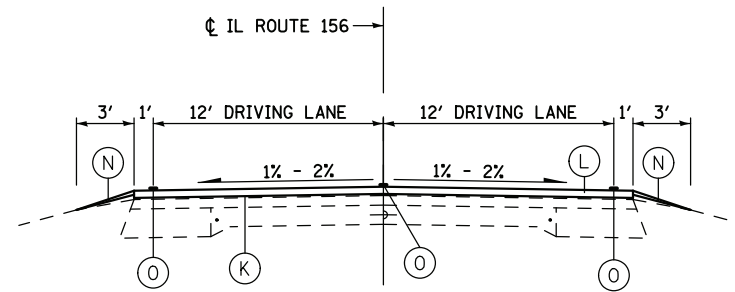
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			FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

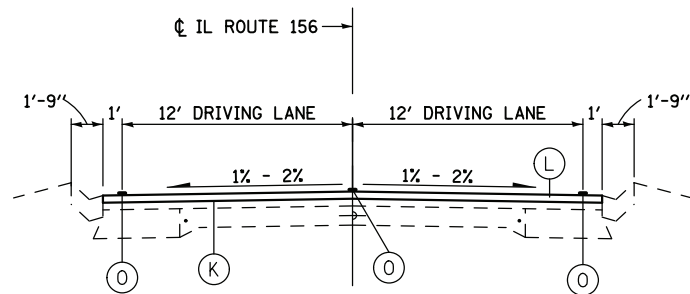
CONTRACT NO. 76H10



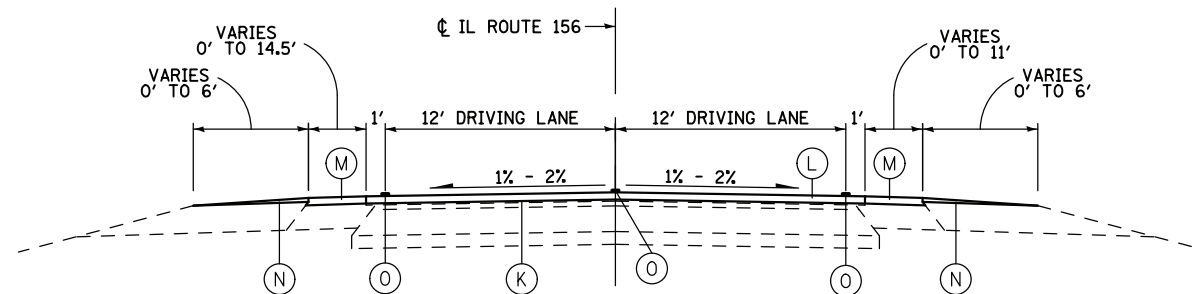
**PROPOSED IL ROUTE 156**  
STA 601+81 TO STA 603+15



**PROPOSED IL ROUTE 156**  
STA 603+15 TO STA 667+92  
STA 671+26 TO STA 822+20  
STA 830+40 TO STA 87+26



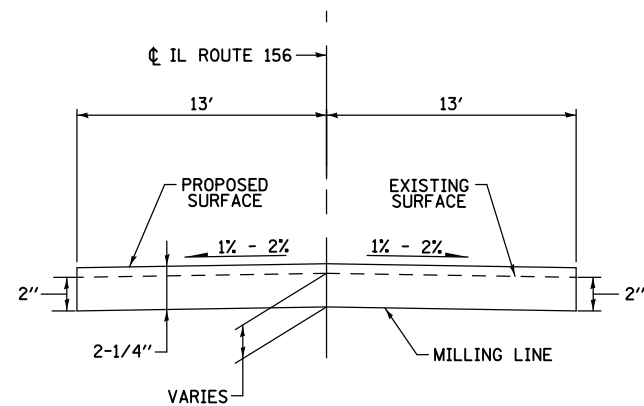
**PROPOSED IL ROUTE 156**  
STA 822+20 TO STA 830+40



**PROPOSED IL ROUTE 156**  
STA 87+26 TO STA 97+00

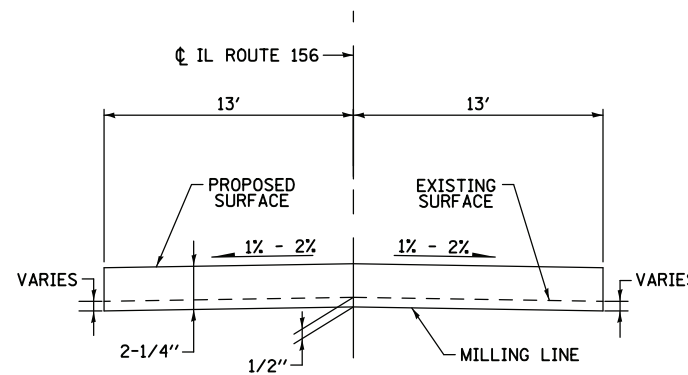
**LEGEND:**

- (A) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT - 9"
- (B) EXISTING HMA RESURFACING - 4 1/2"
- (C) EXISTING SUB-BASE GRANULAR MATERIAL - 4"
- (D) EXISTING GUTTER TYPE A
- (E) EXISTING BITUMINOUS SHOULDER
- (F) EXISTING AGGREGATE SHOULDER
- (G) EXISTING BASE COURSE WIDENING - 9"
- (H) EXISTING BITUMINOUS BASE COURSE - 8"
- (I) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 1/2"
- (J) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 2"
- (K) PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- (L) PROPOSED HOT MIX ASPHALT SURFACE COURSE - 2 1/4"
- (M) PROPOSED HOT-MIX ASPHALT SHOULDER - 1 3/4"
- (N) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- (O) PROPOSED PAVEMENT MARKINGS - 4"



**PAVING & MILLING DETAIL**  
GUTTER SECTION

NOTE:  
IN GUTTER SECTIONS THE EDGE OF PAVEMENT SHALL BE THE CONTROLLING POINT FOR MILLING OPERATIONS. THE MILLING DEPTH AT THE EDGE OF PAVEMENT WILL BE 2". THE CROSS SLOPE SHALL BE BETWEEN 1% AND 2% IN TANGENT SECTIONS. MATCH EXISTING CROSS SLOPE IN SUPERELEVATED SECTIONS.



**PAVING & MILLING DETAIL**  
NON-GUTTER SECTIONS

NOTE:  
IN NON-GUTTER SECTIONS THE CENTERLINE SHALL BE THE CONTROLLING POINT FOR MILLING OPERATIONS. THE MILLING DEPTH AT THE CENTERLINE WILL BE 1/2". THE CROSS SLOPE SHALL BE BETWEEN 1% AND 2% IN TANGENT SECTIONS. MATCH EXISTING CROSS SLOPE IN SUPERELEVATED SECTIONS.

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PLOT DATE = 4/23/2015	DATE - 4/23/15	REVISED -

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

**TYPICAL SECTIONS / MILLING DETAILS**

SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1842	106RS-3	ST. CLAIR	12	6
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			CONTRACT NO. 76H10	

HMA SCHEDULE											
LOCATION				BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT	TEMPORARY RAMP	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	AGGREGATE WEDGE SHOULDERS, TYPE B	HOT-MIX ASPHALT SHOULDERS
STATION	TO	STATION	SIDE	POUND	SQ YD	SQ YD	TON	SQ YD	SQ YD	TON	TON
601+81		602+97	LT	15.6							3
601+81		603+15	RT	20.1							4
601+81		664+42	LT							327	
601+81		664+42	RT							327	
664+42		667+92	LT	52.5							11
664+42		667+92	RT	52.5							11
671+26		674+81	LT	53.2							12
671+26		674+81	RT	53.2							12
674+81		822+20	LT							769	
674+81		822+20	RT							769	
830+40		91+15	LT							97	
830+40		91+15	RT							97	
91+15		97+00	LT	138.1							30
91+15		97+00	RT	116.9							25
91+15		95+48	LT							44	
93+16		97+00	RT							34	
601+81		667+92	LT & RT	8591.5	231	231	2406	19092			
671+26		822+20	LT & RT	19621.5	116	116	5494	43603			
822+20		830+40	LT & RT	1054.1	116	116	295		2,343		
830+40		97+00	LT & RT	3179.8	116	116	890	7066			
<b>TOTAL</b>				<b>32950</b>	<b>578</b>	<b>578</b>	<b>9085.1</b>	<b>69762</b>	<b>2343</b>	<b>2465.1</b>	<b>109</b>

SIDEROAD / ENTRANCE SCHEDULE								
STATION	SIDE	ROAD NAME	EXISTING SURFACE	LENGTH (FOOT)	WIDTH (FOOT)	BITUMINOUS MATERIALS (PRIME COAT) POUND	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT SQ YD	INCIDENTAL HOT MIX ASPHALT SURFACING TON
604+75	RT	PRIVATE ENTRANCE	BITUMINOUS	50	3	8		1.2
606+85	RT	PRIVATE ENTRANCE	BITUMINOUS	75	3	11		1.8
627+75	RT	PRIVATE ENTRANCE	GRAVEL	120	3	90		2.8
632+85	LT	PRIVATE ENTRANCE	GRAVEL	130	3	98		3.0
639+81	RT	PRIVATE ENTRANCE	GRAVEL	140	3	105		3.3
658+80	LT	PROBST RD.	AGGREGATE	80	10	200	88.9	8.7
658+80	RT	PRIVATE ENTRANCE	GRAVEL	90	3	68		2.1
661+79	LT	PRIVATE ENTRANCE	GRAVEL	45	3	34		1.1
691+79	LT	PRIVATE ENTRANCE	GRAVEL	35	3	26		0.8
695+25	LT	PRIVATE ENTRANCE	GRAVEL	60	3	45		1.4
699+77	RT	PRIVATE ENTRANCE	GRAVEL	85	3	64		2.0
700+65	RT	PRIVATE ENTRANCE	GRAVEL	40	3	30		0.9
725+31	RT	KAISER RD.	BITUMINOUS	85	10	43	94.4	9.3
734+63	LT	PRIVATE ENTRANCE	BITUMINOUS	70	3	11		1.6
757+00	RT	PRIVATE ENTRANCE	GRAVEL	45	3	34		1.1
758+72	LT	KLEIN SCHOOL RD.	BITUMINOUS	120	10	60	133.3	13.1
788+15	RT	PRIVATE ENTRANCE	GRAVEL	75	3	56		1.8
792+11	RT	BRUER LAKE RD.	BITUMINOUS	130	10	65	144.4	14.2
792+18	LT	GEO LEILICH RD.	BITUMINOUS	60	10	30	66.7	6.5
793+88	LT	PRIVATE ENTRANCE	GRAVEL	130	3	98		3.0
820+38	RT	PRIVATE ENTRANCE	GRAVEL	45	3	34		1.1
92+83	RT	BOTTOMS RD.	BITUMINOUS	95	10	48	105.6	10.3
<b>TOTAL</b>						<b>1260</b>	<b>633</b>	<b>90.9</b>

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

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 MODEL NAME = Default  
 PLOT SCALE = 2.000' / in.  
 PLOT DATE = 4/23/2015

DESIGNED - MJM  
 DRAWN - MJM  
 CHECKED - JAH  
 DATE - 4/23/15

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1842	106RS-3	ST. CLAIR	12	7
FED. ROAD DIST. NO. 8 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76H10	

PAVEMENT PATCHING SCHEDULE												
				HMA				CLASS C OR D				
LOCATION			LANE	LENGTH	WIDTH	PARTIAL DEPTH REMOVAL, TYPE I, 6.5"	PARTIAL DEPTH REMOVAL, TYPE II, 6.5"	PARTIAL DEPTH PATCHING	BITUMINOUS MATERIALS (PRIME COAT)	PAVEMENT PATCHING TYPE II 14"	PAVEMENT PATCHING TYPE III 14"	PAVEMENT PATCHING TYPE IV 14"
PARTIAL DEPTH PATCH	PATCH NO.	DISTANCE FROM IL 159		(FT)	(FT)	(SQ. YD.)	(SQ. YD.)	TON	POUND	(SQ. YD.)	(SQ. YD.)	(SQ. YD.)
YES	1	4.8	EB	80	2		17.8	7.0	8			
	2	4.8	EB	25	13							36.1
	3	4.8	WB	20	13							28.9
YES	4	4.7	EB	80	2		17.8	7.0	8			
	5	4.7	EB	80	6.5							57.8
YES	6	4.6	EB	80	2		17.8	7.0	8			
	7	4.5	WB	10	13					14.4		
	8	4.5	EB	15	13						21.7	
	9	4.5	WB	15	13						21.7	
	10	4.5	EB	20	13							28.9
	11	4.5	WB	20	13							28.9
	12	4.3	EB	10	13					14.4		
	13	4.2	EB	80	6.5							57.8
	14	4.1	WB	10	13					14.4		
	15	4.1	EB	12	13						17.3	
YES	16	3.9	EB	30	2	6.7		2.6	3			
	17	3.9	EB	40	13							57.8
	18	3.9	WB	40	13							57.8
YES	19	3.8	EB	10	2	2.2		0.9	1			
YES	20	3.8	EB	50	2		11.1	4.4	5			
	21	3.8	EB	6	13					8.7		
	22	3.6	WB	40	13							57.8
	23	3.5	EB	25	13							36.1
	24	3.5	WB	25	13							36.1
	25	3.4	EB	25	13							36.1
	26	3.4	WB	25	13							36.1
	27	3.1	EB	40	13							57.8
	28	3.1	WB	40	13							57.8
	29	3.0	EB	40	6.5							28.9
	30	2.8	EB	40	13							57.8
	31	2.8	WB	40	13							57.8
	32	2.7	EB	6	13					8.7		
	33	2.7	WB	6	13					8.7		
	34	2.7	EB	20	13							28.9
	35	2.7	WB	20	13							28.9
	36	2.5	EB	30	13							43.3
	37	2.5	WB	60	13							86.7
	38	2.3	EB	60	13							86.7
	39	2.3	WB	60	13							86.7
	40	2.2	WB	30	13							43.3
	41	2.2	EB	25	13							36.1
	42	2.1	EB	30	13							43.3
	43	2.1	WB	30	13							43.3
	44	1.9	WB	30	13							43.3
	45	1.6	WB	6	13					8.7		
	46	1.3	WB	60	13							86.7
	47	1.2	EB	15	13						21.7	
	48	1.2	EB	25	13							36.1
YES	49	0.8	EB	40	2		8.9	3.5	4			
	50	0.7	EB	50	13							72.2
	51	0.7	EB	60	13							86.7
	52	0.7	WB	60	13							86.7
	53	0.7	EB	100	6.5							72.2
YES	54	0.6	EB	70	2		15.6	6.1	7			
	55	0.6	EB	40	13							57.8
	56	0.6	WB	20	13							28.9
	57	0.4	EB	10	13					14.4		
	58	0.4	WB	10	13					14.4		
	59	0.3	EB	6	13					8.7		
	60	0.2	EB	50	13							72.2
	61	0.2	WB	50	13							72.2
SUBTOTAL:						8.9	88.9	38.3	44.00	115.6	82.3	2058.3
ANTICIPATED FAILURES (30%):						2.7	26.7	11.5	13.20	34.7	24.7	617.5
TOTAL:						12	116	49.8	60	150	107	2676

PAVEMENT MARKING SCHEDULE										
LOCATION			TYPE	THERMOPLASTIC PAVEMENT MARKING		RAISED REFLECTIVE PAVEMENT MARKERS	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	SHORT TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL
STATION	TO	STATION		4" LINE (WHITE) (FT)	4" LINE (YELLOW) (FT)	TWO WAY AMBER EA	TWO WAY AMBER EA	(FT)	LINE 4" (FT)	(SQ FT)
601+81		658+80	SKIP DASH		1,424			570	1,424	475
			SINGLE SOLID	11,363	3,368	71	71		14,731	4910
658+80		667+92	SKIP DASH		228			91	228	76
			SINGLE SOLID	1,794		11	11		1,794	598
667+92		725+31	SKIP DASH		1,351			541	1,351	450
			SINGLE SOLID	10,774		68	68		10,774	3591
725+31		758+72	SKIP DASH		835			334	835	278
			SINGLE SOLID	6,610		42	42		6,610	2203
758+72		792+18	SKIP DASH		837			335	837	279
			SINGLE SOLID	6,576		42	42		6,576	2192
792+18		92+83	SKIP DASH		1,461			584	1,461	487
			SINGLE SOLID	11,583	2,295	73	73		13,878	4626
92+83		97+00	SKIP DASH		104			42	104	35
			SINGLE SOLID	792		5	5		792	264
TOTALS				49492	11903	312	312	2496	61395	20465

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DESIGNED - MJM  
 DRAWN - MJM  
 CHECKED - JAH  
 DATE - 4/23/15

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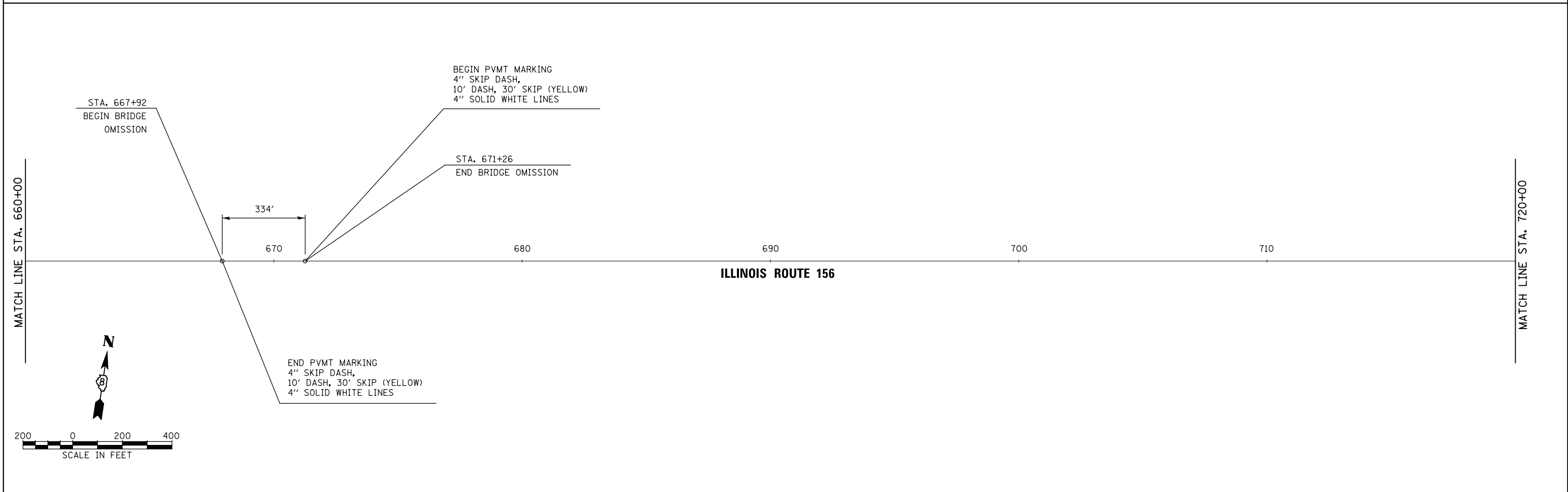
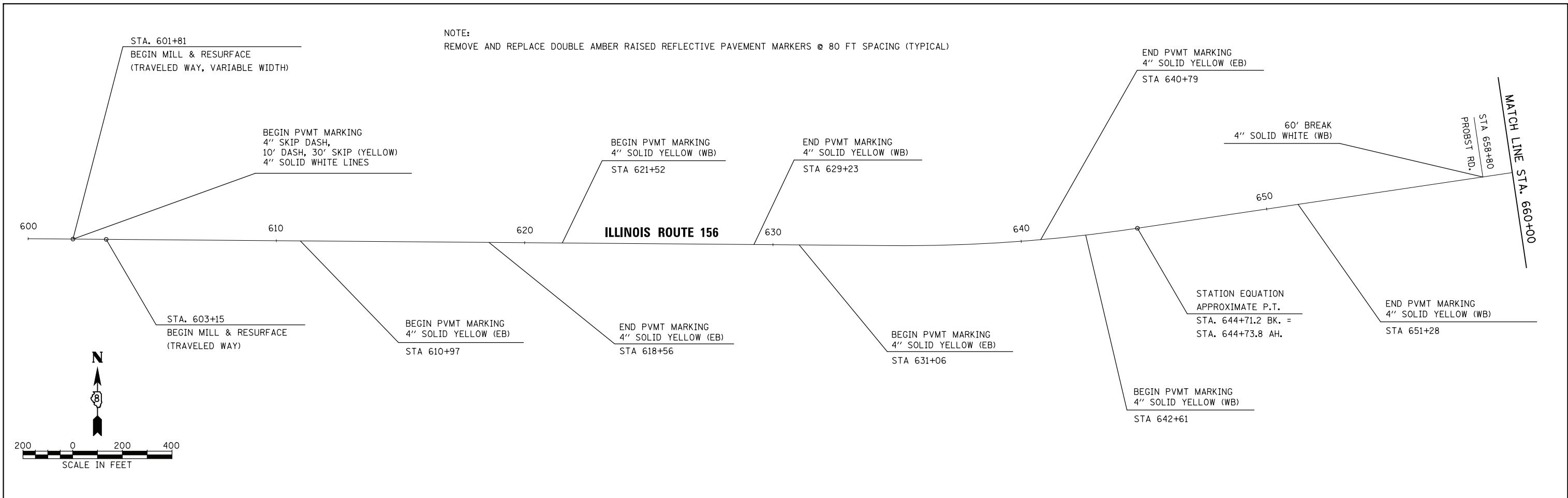
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

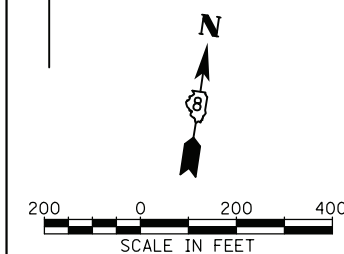
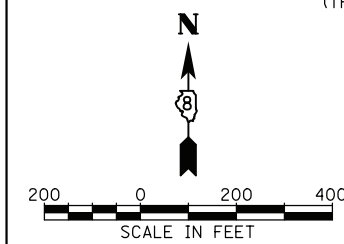
SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE. 1842 SECTION 106RS-3 COUNTY ST. CLAIR TOTAL SHEETS 12 SHEET NO. 8  
 CONTRACT NO. 76H10  
 FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT





NOTE:  
REMOVE AND REPLACE DOUBLE AMBER RAISED REFLECTIVE PAVEMENT MARKERS @ 80 FT SPACING (TYPICAL)



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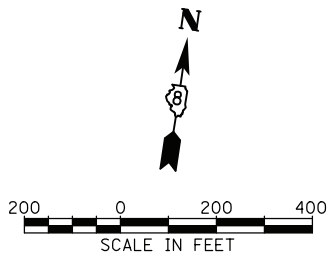
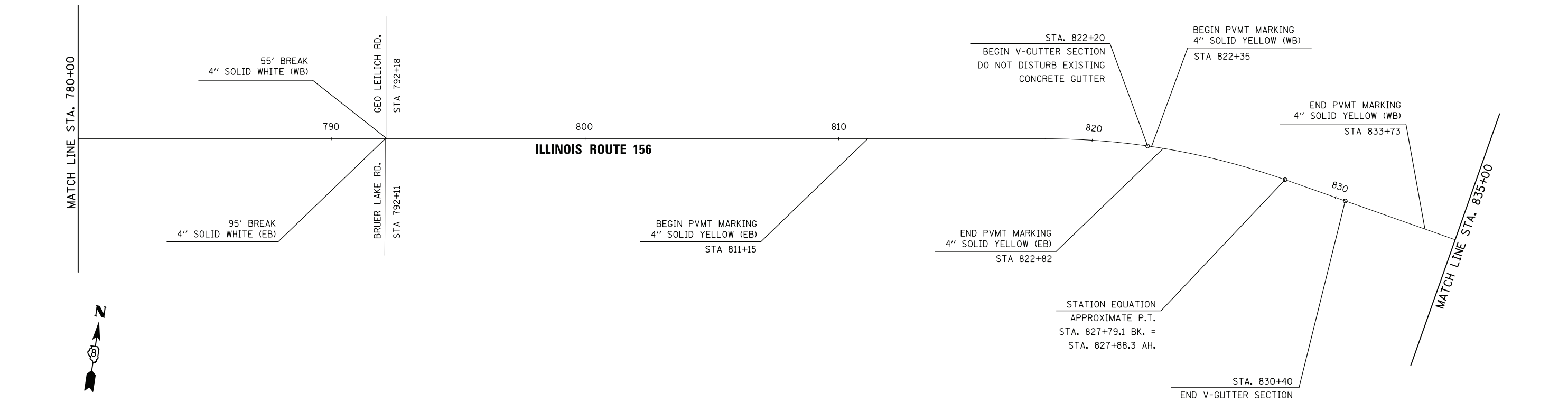
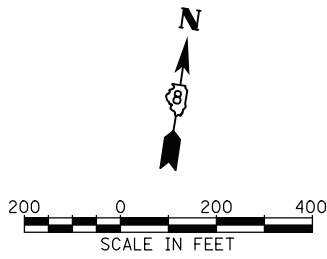
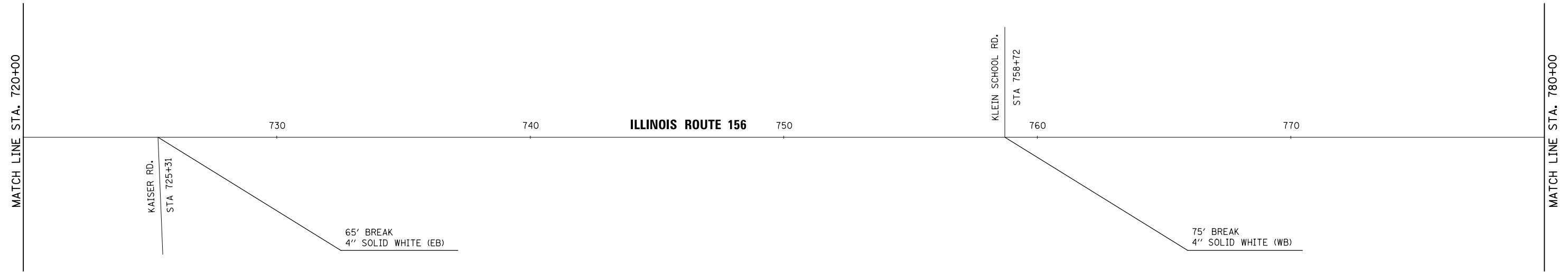
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN - ILLINOIS ROUTE 156**

SCALE: 1"=200'    SHEET NO. 1 OF 3 SHEETS    STA. 601+81 TO STA. 720+00

F.A.I. RTE. 1842	SECTION 106RS-3	COUNTY ST. CLAIR	TOTAL SHEETS 12	SHEET NO. 9
CONTRACT NO. 76H10				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				

NOTE:  
REMOVE AND REPLACE DOUBLE AMBER RAISED REFLECTIVE PAVEMENT MARKERS @ 80 FT SPACING (TYPICAL)



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

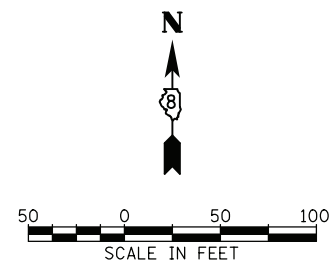
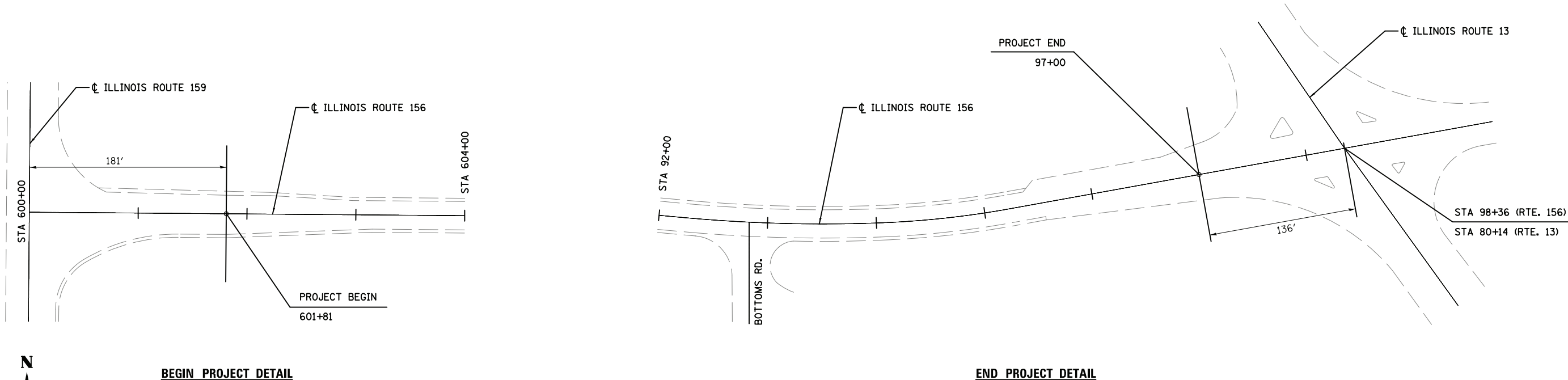
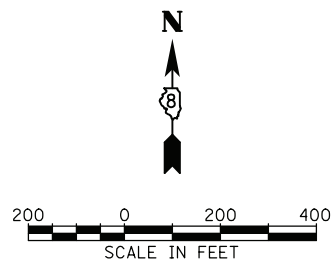
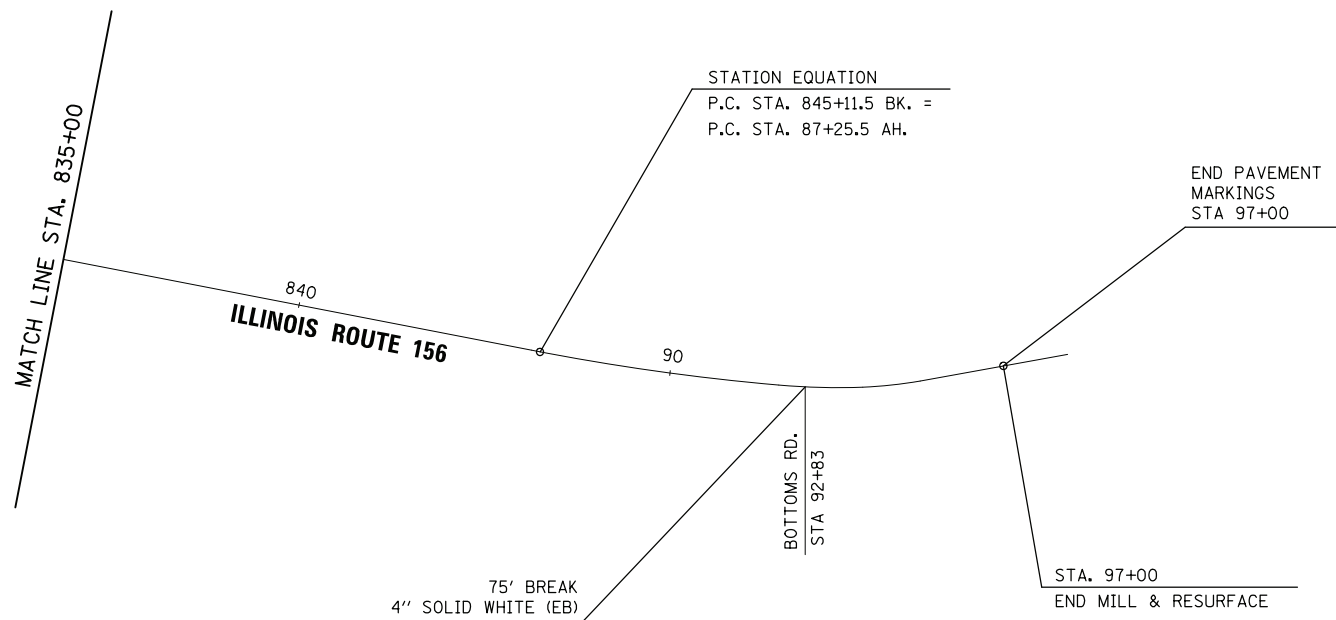
ROADWAY PLAN - ILLINOIS ROUTE 156

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PLOT DATE = 4/23/2015	DATE - 4/23/15	REVISED -

SCALE: 1"=200'	SHEET NO. 2 OF 3 SHEETS	STA. 720+00 TO STA. 835+00	F.A.I. RTE. 1842	SECTION 106RS-3	COUNTY ST. CLAIR	TOTAL SHEETS 12	SHEET NO. 10
			CONTRACT NO. 76H10				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT							

NOTE:  
REMOVE AND REPLACE DOUBLE AMBER RAISED REFLECTIVE PAVEMENT MARKERS @ 80 FT SPACING (TYPICAL)



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

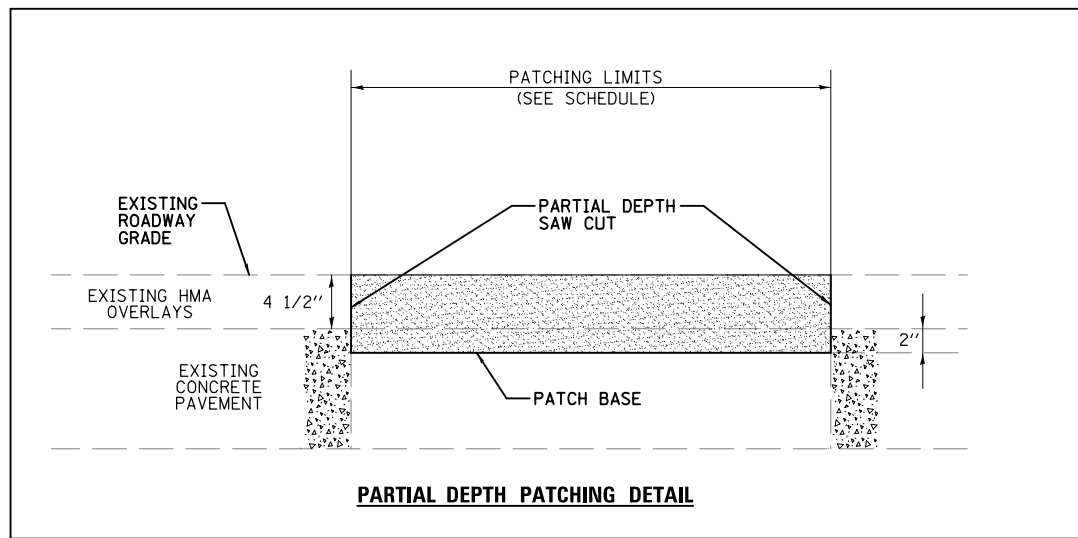
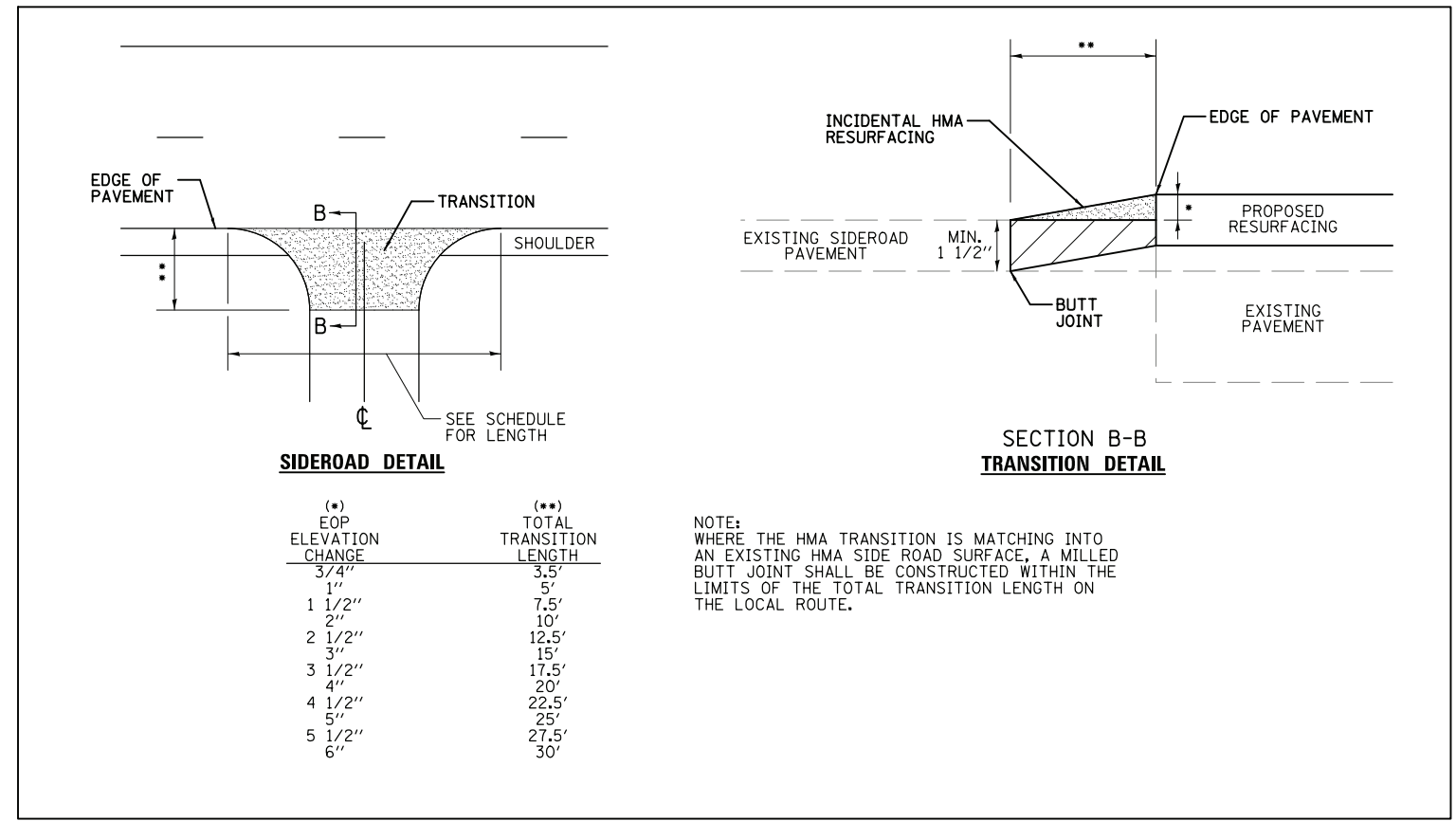
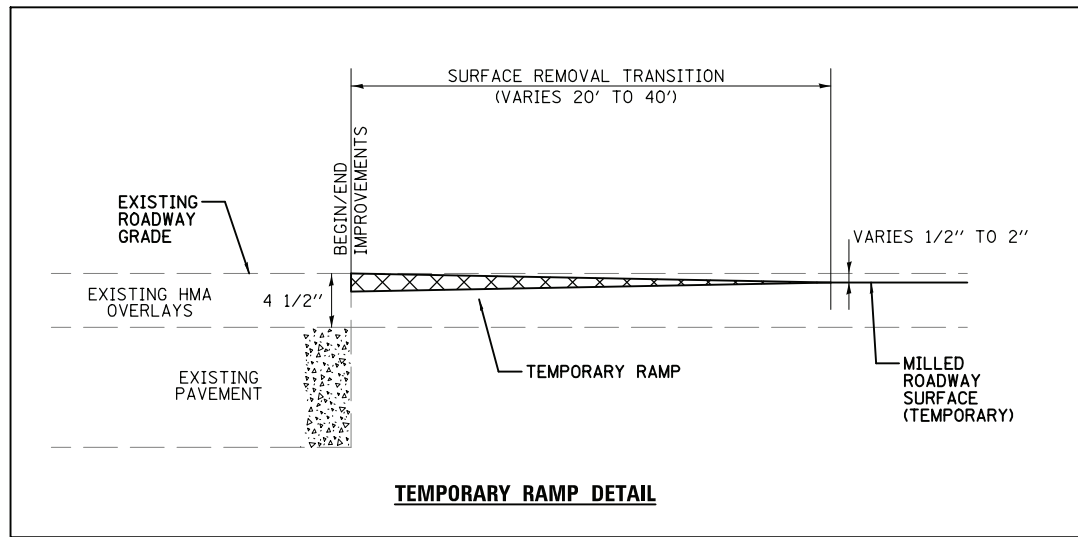
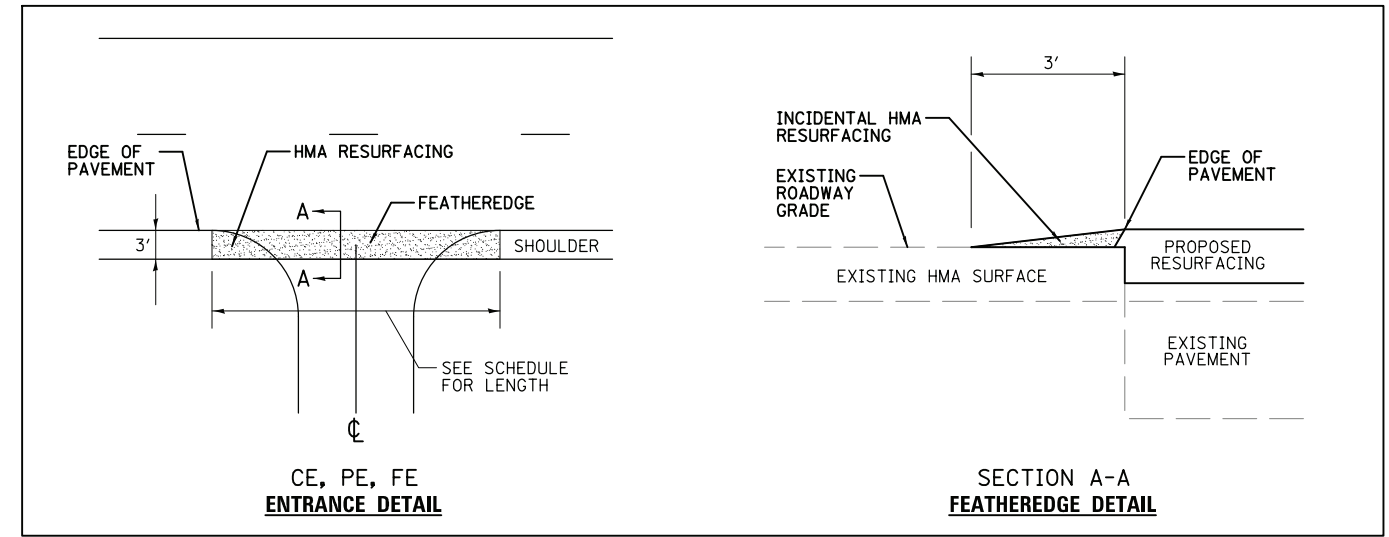
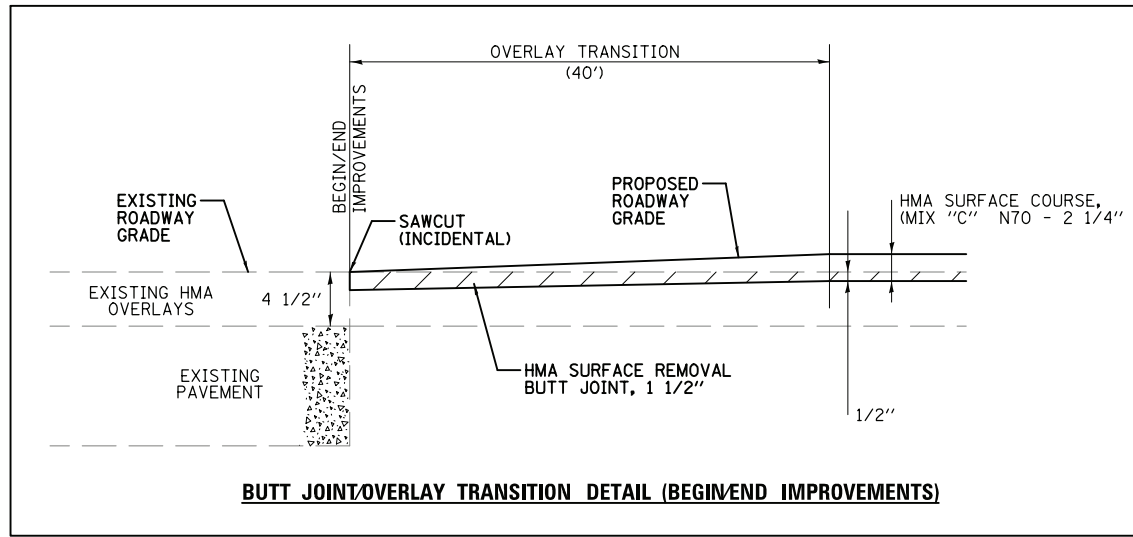
ROADWAY PLAN - ILLINOIS ROUTE 156

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SCALE: 1"=200' SHEET NO. 3 OF 3 SHEETS STA. 835+00 TO STA. 97+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1842	106RS-3	ST. CLAIR	12	11
CONTRACT NO. 76H10				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				



4/23/2015 11:48:39 AM \$FILE\$

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PLOT DATE = 4/23/2015		DATE - 4/23/15	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL DETAILS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE. 1842	SECTION 106RS-3	COUNTY ST. CLAIR	TOTAL SHEETS 12	SHEET NO. 12
CONTRACT NO. 76H10				
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT				