



**GENERAL NOTES**

1. EXCESS BITUMEN REMOVAL SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
2. MIXTURES FOR JOINTS, CRACKS AND FLANGWAYS SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
3. 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.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
5. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR 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.
6. THE NOMINAL THICKNESS FOR BINDER AND SURFACE COURSE IS SHOWN ON THE TYPICAL SECTIONS, STANDARDS, SCHEDULES, OR SPECIAL DETAILS. THE CONSTRUCTED THICKNESS OF THE BASE ITEMS SHALL NOT BE LESS THAN 90 PERCENT OF THE NOMINAL THICKNESS AT ANY LOCATION.
7. 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.
8. ALL PATCHING ON THIS PROJECT SHALL BE COMPLETED PRIOR TO BITUMINOUS SURFACE REMOVAL.
9. THE CONTRACTOR IS TO USE FULL LANE WIDTH (12 FT WIDE) DURING BITUMINOUS SURFACE REMOVAL.
10. 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.
11. HIGH EARLY STRENGTH CONCRETE MIX SHALL BE USED FOR ALL PCC PATCHING.
12. THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES AND VALVES LOCATED WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING MILLING OPERATIONS.
13. 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.
14. 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 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. 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.
15. 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.
16. ALL TRAFFIC CONTROL DEVICES SHALL BE SKID-MOUNTED.
17. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT.

MIXTURE USE	SURFACE	PATCHING	INCIDENTAL SURFACE	SHOULDERS
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	**2.0% @ Ndes=30
MIX COMPOSITION	-----	-----	-----	NMAS 3/4"
GRADATION MIXTURE	IL 9.5	IL 19.0 FC	IL 9.5	-----
FRICTION AGG	MIXTURE "D"	MIXTURE "B"	MIXTURE "C"	-----

\*\* TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%

**GENERAL NOTES CONT.**

18. FLAGGERS SHALL BE PRESENT DURING ALL CLOSURE HOURS, INCLUDING LUNCH HOUR, AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
19. EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH APPROPRIATE LIGHTS.
20. "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 MILL 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.
21. 'ROAD CONSTRUCTION AHEAD' SIGNS SHALL BE PLACED AT THE BEGINNING OF THE PROJECT PLUS THE INTERSECTING SIDEROADS, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48" X 48" FLUORESCENT ORANGE.
22. ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES UNLESS OTHERWISE NOTED IN THE PLANS.
23. THE CONTRACTOR SHALL MAINTAIN POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.
24. THE INTENT OF THE MILLING IS TO REMOVE THE HMA RESURFACING ONLY. THE UNDERLYING CONCRETE SHALL NOT BE DISTURBED.
25. A NOTCHED WEDGE LONGITUDINAL JOINT SHALL BE USED BETWEEN SUCCESSIVE PASSES OF HMA SURFACE COURSE THAT HAS A DIFFERENCE IN ELEVATION OF GREATER THAN 2 IN. BETWEEN LANES ON PAVEMENT THAT IS OPEN TO TRAFFIC. THE LONGITUDINAL JOINT SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 406.06 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
26. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

UTILITY	ABOVE GROUND	BELOW GROUND
• AMEREN ILLINOIS (GAS & ELECTRIC)	X	X
• AT&T ILLINOIS (COMMUNICATIONS)	X	X
• BUCKEYE PARTNERS L.P. - WOOD RIVER PIPELINE		X
• CITY OF CENTREVILLE (SANITARY)		X
• CHARTER COMMUNICATIONS, INC. (CABLE TV)	X	X
• COMMONFIELDS OF CAHOKIA PUBLIC WATER DIST. (WATER & SANITARY)		X
• HARRISON TELEPHONE COMPANY (COMMUNICATIONS)	X	X
• ILLINOIS AMERICAN WATER COMPANY		X
• PRAIRIE DU PONT PUBLIC WATER DISTRICT		X
• VILLAGE OF CAHOKIA (WATER & SANITARY)		X
• WINDSTREAM KDL, INC. (COMMUNICATIONS)	X	X

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

**RATES OF APPLICATION**

CRUSHED STONES (WITH FINES): AGGREGATE SHOULDERS	2.00 TON/CU YD
BITUMINOUS CONCRETE: SURFACE, BINDER, LEVEL BINDER	112 LBS/SQ YD/INCH
AGGREGATE (PRIME COAT): BRICK, PCC, & BIT. BASE	3 LBS/SQ YD
BITUMINOUS MATERIALS (PRIME COAT): BRICK, PCC, & BIT. BASE	0.05 LBS/SQ FT

**COMMITMENTS**

NONE

FILE NAME : G:\SL14\0005\Road\ogn\076080-01-001.dgn	USER NAME : m.graher	DESIGNED - DRAWN -	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES &amp; COMMITMENTS</b>				SECTION 121-1R5-1	COUNTY ST. CLAIR	TOTAL SHEETS 32	SHEET NO. 2
Default	PLOT SCALE : 100.0000' / 1"	CHECKED - DATE -	REVISED - REVISED -						SCALE:	SHEET	OF	SHEETS
	PLOT DATE : 6/5/2014											CONTRACT NO. 76G80

100% STATE  
CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				FAP 592 ROADWAY 0005 URBAN	FAU 9190 ROADWAY 0005 URBAN
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2211	939	1272
40600990	TEMPORARY RAMP	SQ YD	370	109	261
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	5900	3151	2749
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	114	61	53
44000153	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	SQ YD	59438	29497	29941
44200120	PAVEMENT PATCHING, TYPE II, 10 INCH	SQ YD	350	218	132
44200124	PAVEMENT PATCHING, TYPE III, 10 INCH	SQ YD	37	19	18
44200126	PAVEMENT PATCHING, TYPE IV, 10 INCH	SQ YD	61		61
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	545	545	
44201299	DOWEL BARS 1 1/2"	EACH	1354	1354	
44213200	SAW CUTS	FOOT	4134	4134	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	26802	12906	13896
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	242	113	129
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1712	618	1094

\* 592/9190

FILE NAME =	USER NAME = phallandesko	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			FAP/FAU	SECTION	COUNTY	TOTAL	SHEET
er\pr_work\p\dot\phallandesko\08355955	D076088-ah-500.dgn	DRAWN -	REVISED -					RTE.	121-IRS-1	ST. CLAIR	32	3
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76680
	PLOT DATE = 6/12/2014	DATE -	REVISED -									

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE CONSTRUCTION CODE	
				FAP 592 ROADWAY	FAU 9190 ROADWAY
				0005 URBAN	0005 URBAN
60255500	MANHOLES TO BE ADJUSTED	EACH	17	12	5
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	6	4
67100100	MOBILIZATION	L SUM	1	0.6	0.4
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1		1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.6	0.4
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.6	0.4
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15	9	6
70300100	SHORT TERM PAVEMENT MARKING	FOOT	16043	8836	7207
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	925	656	269
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	54349	30881	23468
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	485		485

FILE NAME =	USER NAME = ehallandeska	DESIGNED -	REVISED -
c:\pr-work\pdsdot\ehallandeska\08355955	DB76G08-ah-500.dgn	DRAWN -	REVISED -
	PLOT SCALE = 1/8"=1'-0"	CHECKED -	REVISED -
	PLOT DATE = 6/13/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

• 592/9190

FAP/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	121-IRS-1	ST. CLAIR	32	4
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76G80	

100% STATE  
CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				FAP 592 ROADWAY 0005 URBAN	FAU 9190 ROADWAY 0005 URBAN
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1260	722	538
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	99		99
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	31194	17562	13632
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	925	656	269
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	54349	30881	23468
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	485		485
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1260	722	538
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	99		99
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	486	486	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	475	326	149
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	489	327	162
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	110	40	70
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	3786	1375	2411
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	28026	13896	14130

\* SPECIALTY ITEMS

FILE NAME =	USER NAME = ehollandaska	DESIGNED -	REVISED -
c:\pwwork\pvsdot\ehollandaska\td03557955\0876G80-aht-500.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

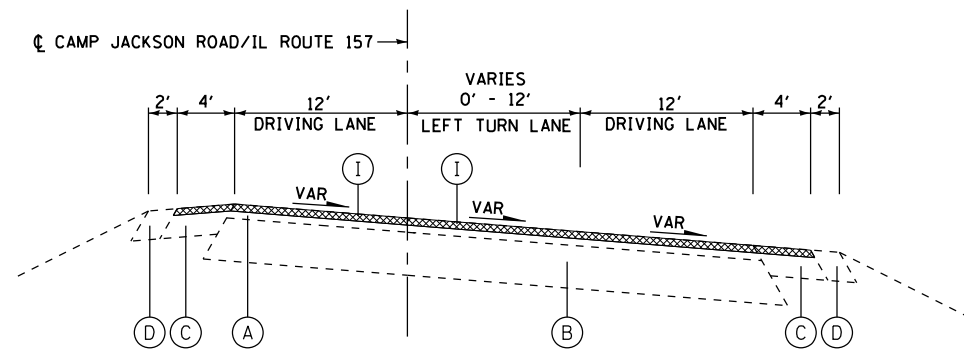
SUMMARY OF QUANTITIES

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

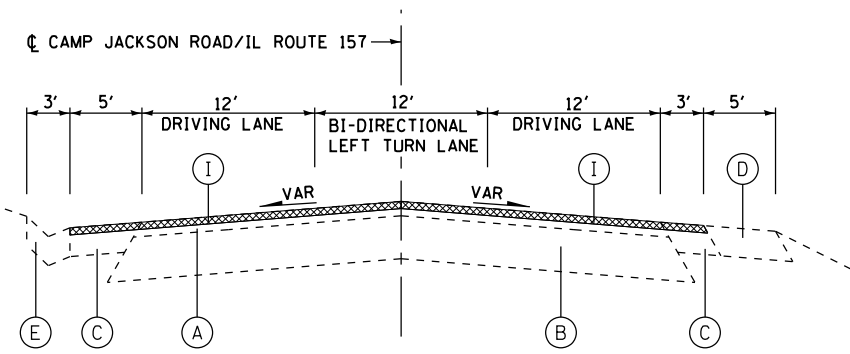
FAP/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	121-1RS-1	ST. CLAIR	32	5
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76G80	

• 592/9190





EXISTING IL ROUTE 157/CAMP JACKSON ROAD  
STA 168+74 TO STA 182+49



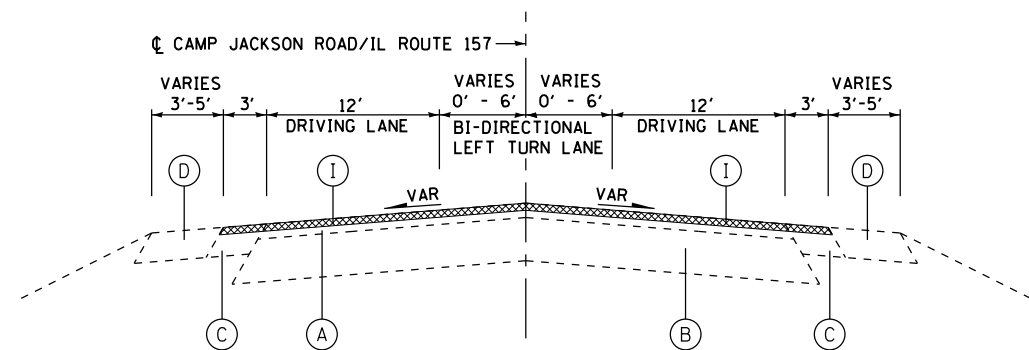
EXISTING IL ROUTE 157/CAMP JACKSON ROAD  
STA 236+60 TO STA 242+27

**LEGEND:**

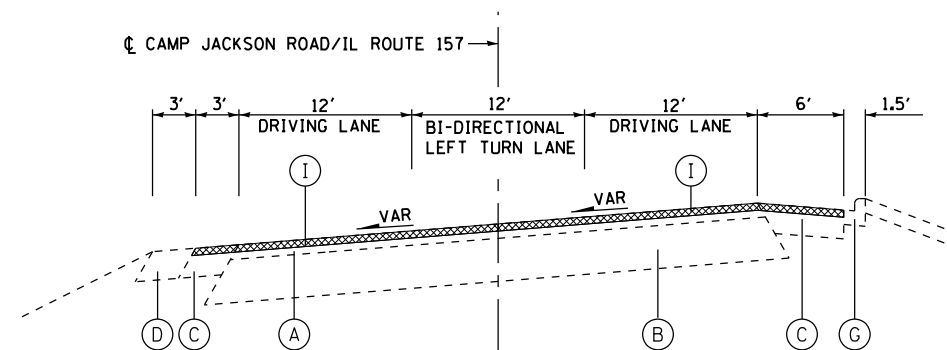
- (A) EXISTING RESURFACING
- (B) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
- (C) EXISTING BITUMINOUS SHOULDER
- (D) EXISTING AGGREGATE SHOULDER
- (E) EXISTING GUTTER TYPE A
- (F) EXISTING COMBINATION CURB AND GUTTER
- (G) EXISTING COMBINATION CURB AND GUTTER TYPE B - 6.12
- (H) EXISTING GUARDRAIL
- (I) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 1"
- (J) PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- (K) PROPOSED AGGREGATE (PRIME COAT) - IF REQUIRED, NOT PAID FOR SEPARATELY
- (L) PROPOSED HOT-MIX ASPHALT SURFACE COURSE - 2 1/4"
- (M) PROPOSED HOT-MIX ASPHALT SHOULDER, 2 1/4"
- (N) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

**NOTES:**

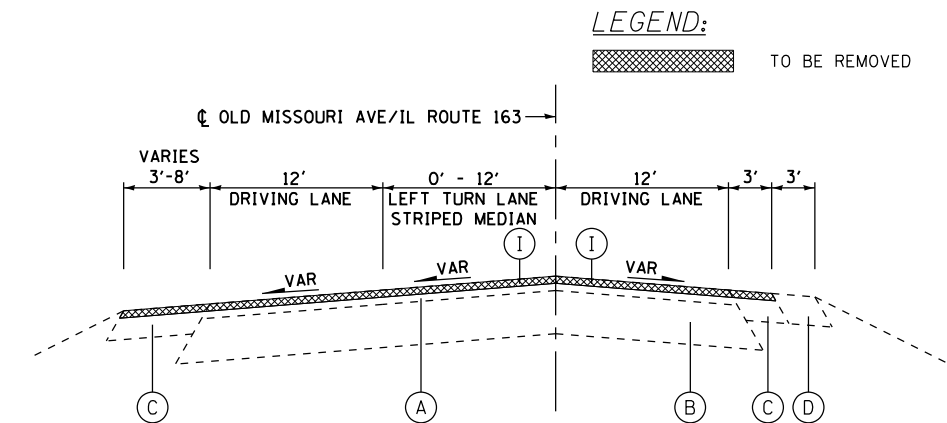
1. HMA SURFACE REMOVAL THICKNESS IS THE REMOVAL DEPTH AT THE BASELINE.
2. PAVEMENT PATCHING IN AREAS TO BE RESURFACED SHALL CONSIST OF CLASS C OR CLASS D PATCHES.



EXISTING IL ROUTE 157/CAMP JACKSON ROAD  
STA 207+98 TO STA 222+01  
STA 223+75 TO STA 236+60  
STA 242+27 TO STA 247+47  
STA 250+41 TO STA 253+54  
STA 257+76 TO STA 258+76



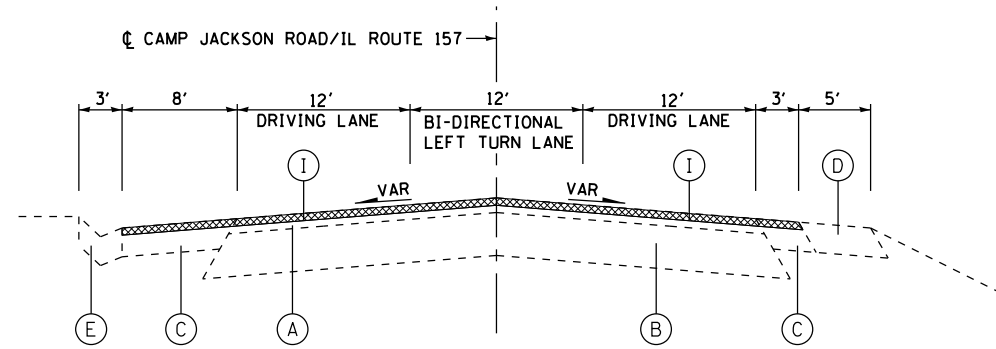
EXISTING IL ROUTE 157/CAMP JACKSON ROAD  
STA 247+47 TO STA 250+41



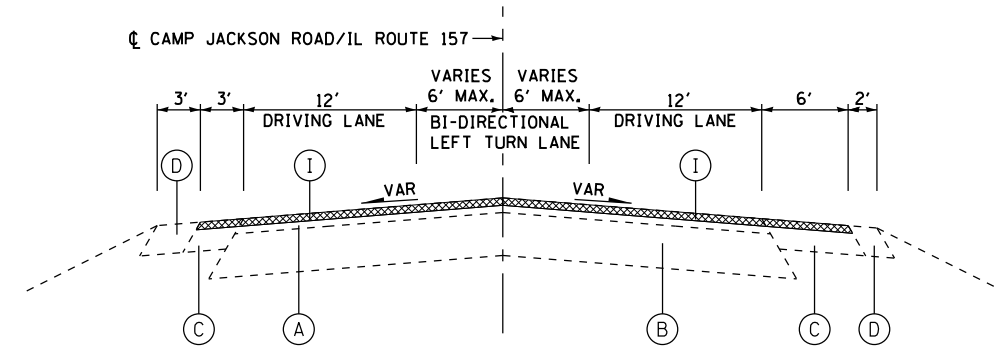
EXISTING IL ROUTE 163/OLD MISSOURI AVE  
STA 307+41 TO STA 315+46

**LEGEND:**

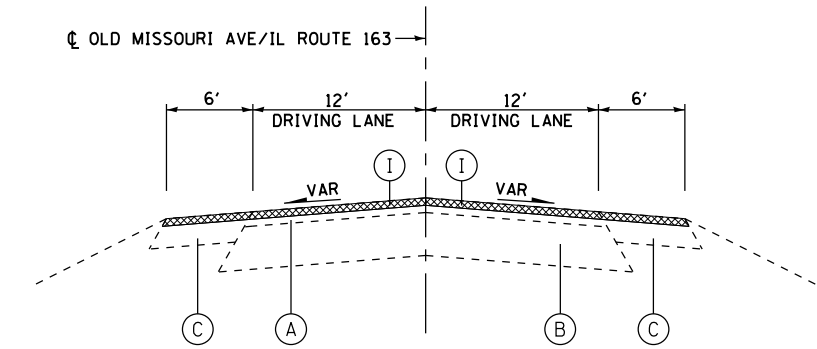
TO BE REMOVED



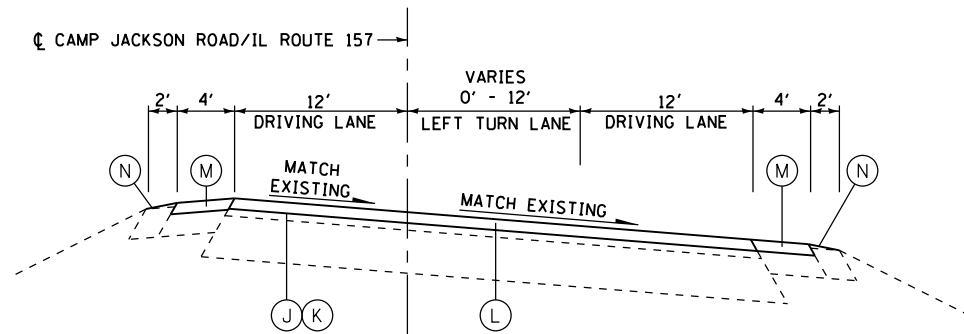
EXISTING IL ROUTE 157/CAMP JACKSON ROAD  
STA 222+01 TO STA 223+75



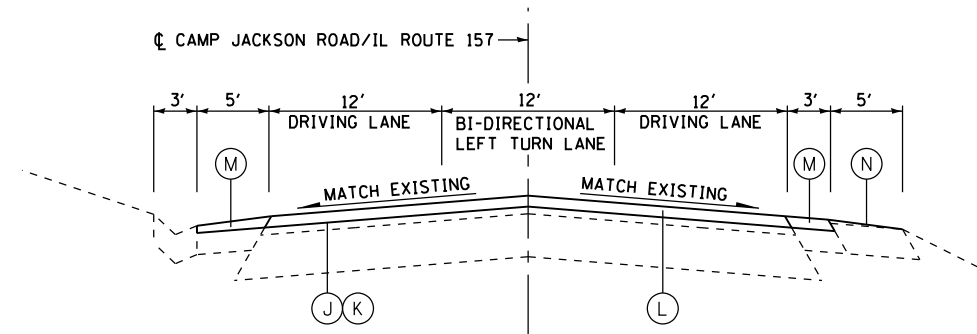
EXISTING IL ROUTE 157/CAMP JACKSON ROAD  
STA 253+54 TO STA 257+76



EXISTING IL ROUTE 163/OLD MISSOURI AVE  
STA 315+46 TO STA 376+89



PROPOSED IL ROUTE 157/CAMP JACKSON ROAD  
STA 168+74 TO STA 182+49



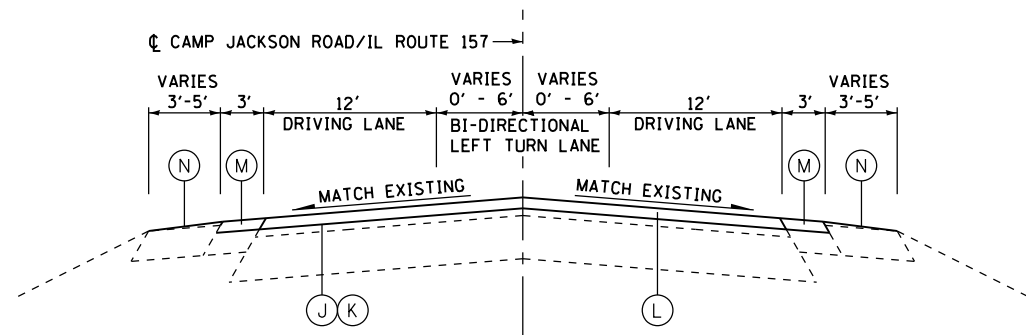
PROPOSED IL ROUTE 157/CAMP JACKSON ROAD  
STA 236+60 TO STA 242+27

**LEGEND:**

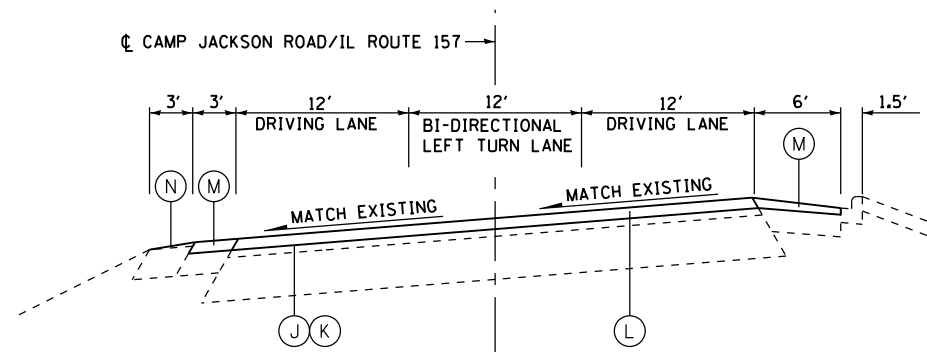
- (A) EXISTING RESURFACING
- (B) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
- (C) EXISTING BITUMINOUS SHOULDER
- (D) EXISTING AGGREGATE SHOULDER
- (E) EXISTING GUTTER TYPE A
- (F) EXISTING COMBINATION CURB AND GUTTER
- (G) EXISTING COMBINATION CURB AND GUTTER TYPE B - 6.12
- (H) EXISTING GUARDRAIL
- (I) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 1"
- (J) PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- (K) PROPOSED AGGREGATE (PRIME COAT) - IF REQUIRED, NOT PAID FOR SEPARATELY
- (L) PROPOSED HOT-MIX ASPHALT SURFACE COURSE - 2 1/4"
- (M) PROPOSED HOT-MIX ASPHALT SHOULDER, 2 1/4"
- (N) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

**NOTES:**

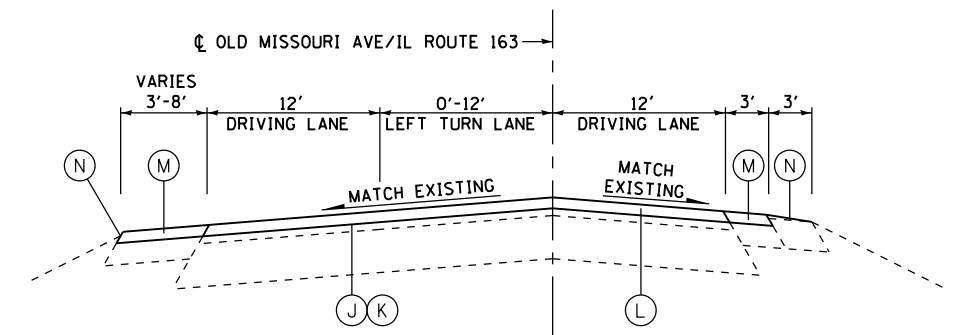
1. HMA SURFACE REMOVAL THICKNESS IS THE REMOVAL DEPTH AT THE BASELINE.
2. PAVEMENT PATCHING IN AREAS TO BE RESURFACED SHALL CONSIST OF CLASS C OR CLASS D PATCHES.



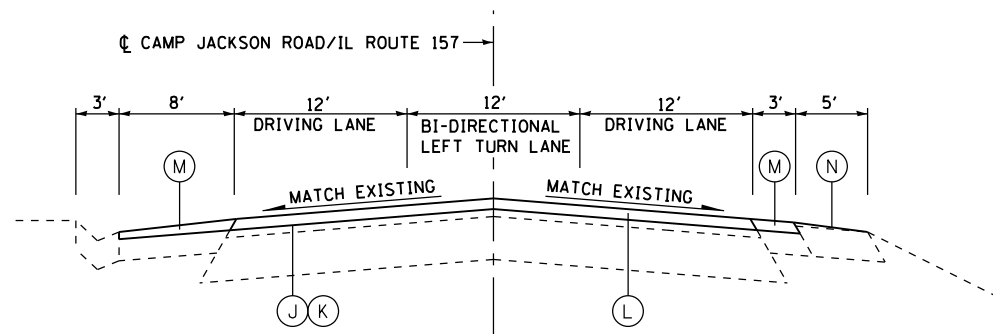
PROPOSED IL ROUTE 157/CAMP JACKSON ROAD  
STA 207+98 TO STA 222+01  
STA 223+75 TO STA 236+60  
STA 242+27 TO STA 247+47  
STA 250+41 TO STA 253+54  
STA 257+76 TO STA 258+76



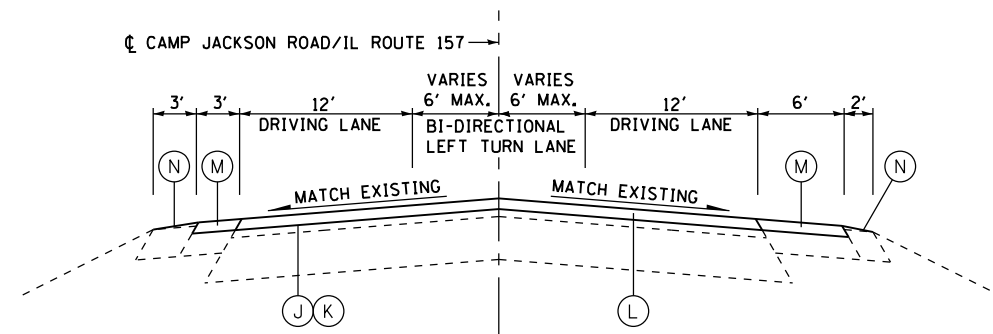
PROPOSED IL ROUTE 157/CAMP JACKSON ROAD  
STA 247+47 TO STA 250+41



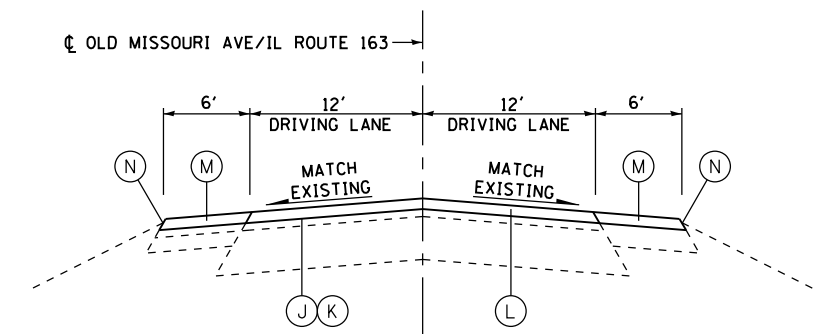
PROPOSED IL ROUTE 163/OLD MISSOURI AVE  
STA 307+41 TO STA 315+46



PROPOSED IL ROUTE 157/CAMP JACKSON ROAD  
STA 222+01 TO STA 223+75



PROPOSED IL ROUTE 157/CAMP JACKSON ROAD  
STA 253+54 TO STA 257+76



PROPOSED IL ROUTE 163/OLD MISSOURI AVE  
STA 315+46 TO STA 376+89

FILE NAME =	USER NAME = mjreker	DESIGNED -	REVISED -
G:\SL14\0005\Road\dgn\076680-TYP-001.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/13/2014	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	8
F.A.P. RTE 592/F.A.U. RTE 9190		CONTRACT NO. 76C80	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			



**SHOULDER SCHEDULE**

STATION	TO	STATION	BIT MATLS PR CT (POUND)	AGG WEDGE SHLD TYPE B (TON)	HMA SHOULDERS (TON)
<b>CAMP JACKSON ROAD / IL ROUTE 157 / IL ROUTE 163</b>					
168+74		182+49	538	26	151
207+98		222+01	385	26	108
222+01		223+75	96	2	27
223+75		236+60	385	24	108
236+60		242+27	226	6	64
242+27		247+47	132	10	37
247+47		250+41	139	3	39
250+41		253+54	94	6	27
253+54		257+76	172	8	48
257+76		258+76	30	2	9
307+41		315+46	353	15	99
315+46		376+89	3,553	114	995
<b>TOTAL</b>			<b>6,103</b>	<b>242</b>	<b>1,712</b>

**RESURFACING SCHEDULE**

STATION	TO	STATION	BIT MATLS PR CT (POUND)	HMA SC "D" N70 (TON)	STRIP REF CR CON TR (FOOT)
<b>CAMP JACKSON ROAD / IL ROUTE 157 / IL ROUTE 163</b>					
168+74		182+49	2,197	615	2,750
207+98		222+01	2,483	695	2,806
222+01		223+75	313	88	348
223+75		236+60	2,313	648	2,570
236+60		242+27	1,021	286	1,134
242+27		247+47	936	262	1,040
247+47		250+41	530	149	588
250+41		253+54	564	158	626
253+54		257+76	751	211	844
257+76		258+76	136	39	200
307+41		315+46	1,822	511	1,610
315+46		376+89	7,991	2,238	12,286
<b>TOTAL</b>			<b>21,057</b>	<b>5,900</b>	<b>26,802</b>

**SIDEROAD SCHEDULE**

STATION	OFFSET	ROAD NAME	EXISTING SURFACE	WIDTH (FOOT)	DEPTH (FOOT)	BIT MATLS PR CT (POUND)	HMA SURF REM BUTT JT (SQ YD)	INCIDENTAL HMA SURF (TON)	
<b>CAMP JACKSON ROAD / IL ROUTE 157 / IL ROUTE 163</b>									
173+19	RT	LLOYD DRIVE	BITUMINOUS	99.9	7.0	35	78	5.44	
209+40	LT	LENORA DRIVE	BITUMINOUS	87.3	7.0	31	68	4.76	
214+32	LT	THUNDERBIRD LANE	BITUMINOUS	53.2	7.0	19	42	2.90	
219+07	RT	CALVIN BOULEVARD	BITUMINOUS	101.5	7.0	36	79	5.53	
219+55	LT	CAROL STREET	BITUMINOUS	136.0	7.0	48	106	7.41	
222+52	LT	SAINT MARK DRIVE	BITUMINOUS						
242+60	LT	DONNA DRIVE	BITUMINOUS	95.9	7.0	34	75	5.23	
247+28	LT	LORRAINE DRIVE	BITUMINOUS	77.5	7.0	28	61	4.22	
255+91	LT	LAURALEE DRIVE	BITUMINOUS	90.6	7.0	32	71	4.94	
309+22	RT	IL ROUTE 13	BITUMINOUS	INCLUDED IN MAINLINE RESURFACING QUANTITIES					
312+99	LT	CLARITA STREET	BITUMINOUS	99.4	7.0	35	78	5.42	
344+59	LT	SOUTH 59TH STREET	BITUMINOUS	29.4	7.0	11	23	1.61	
356+66	RT	LAKEWOOD PLACE	BITUMINOUS	164.6	7.0	58	129	8.97	
366+17	RT	MARY STREET	BITUMINOUS	47.6	7.0	17	38	2.60	
366+85	LT	NORTH 55TH STREET	BITUMINOUS	103.9	7.0	37	81	5.66	
371+87	LT	GRESTONE DRIVE	CONCRETE	74.0	7.0	26	58	4.03	
<b>TOTAL</b>						<b>447</b>	<b>987</b>	<b>68.72</b>	

NOTE: AS SPECIFIED IN SECTION 408.04 OF THE STANDARD SPECIFICATIONS, APRONS PLACED WITH EXTENDIBLE SCREED DURING MAINLINE PAVING WILL BE CONSIDERED AN INTEGRAL PART OF THE MAINLINE PAVING AND WILL NOT BE MEASURED FOR PAYMENT AS INCIDENTAL HMA SURFACING.

**PAVEMENT MARKING SCHEDULE**

LOCATION	TYPE	THERMOPLASTIC PAVEMENT MARKING						POLYUREA PAVEMENT MARKING TYPE I		RAISED REFLECTIVE PAVEMENT MARKERS			
		LETTERS & SYM (SQ FT)	4" STRIPE		8" STRIPE	12" STRIPE		24" STRIPE	4" STRIPE		ONE WAY (EA)	TWO WAY (EA)	
			WHITE (FT)	YELLOW (FT)	WHITE (FT)	WHITE (FT)	YELLOW (FT)	WHITE (FT)	WHITE (FT)	YELLOW (FT)			
<b>CAMP JACKSON ROAD</b>													
106+81 TO 142+72	SINGLE SOLID								384	102			
168+74 TO 182+49	STOP BAR												
	SKIP DASH												
	SINGLE SOLID		2,761								3		
	DOUBLE SOLID			5,091							64	5	
	DIAGONAL						537						
	LETTERS & SYMBOLS	32											
207+98 TO 258+76	STOP BAR												
	SKIP DASH				2,333							234	
	SINGLE SOLID		9,715		9,330								
	DOUBLE SOLID				1,651						20		
	DIAGONAL						185						
	LETTERS & SYMBOLS	624											
307+41 TO 376+89	STOP BAR									24			
	SKIP DASH				957							48	
	SINGLE SOLID		13,477		771	485					6		
	DOUBLE SOLID				7,587						53	36	
	DIAGONAL						274	264					
	LETTERS & SYMBOLS	185							48				
<b>ILLINOIS ROUTE 157 / ILLINOIS ROUTE 13</b>													
	STOP BAR								27				
	SKIP DASH												
	SINGLE SOLID			466							3		
	DOUBLE SOLID				210							3	
	DIAGONAL												
	LETTERS & SYMBOLS	84											
<b>SUBTOTAL</b>			925	26,419	27,930	485	274	986	99	384	102	149	326
<b>TOTAL</b>			925	54,349		485		1,260	99	486		475	

**REMOVAL SCHEDULE**

STATION	TO	STATION	HMA SURF REM BUTT JT (SQ YD)	TEMPORARY RAMP (SQ YD)	HMA SURF REM 1 (SQ YD)	RAISED REF PVT MK REM (EACH)
<b>CAMP JACKSON ROAD / IL ROUTE 157 / IL ROUTE 163</b>						
168+74		168+99	89	27		2
168+99		182+24			5,884	65
182+24		182+49	95	29		2
207+98		208+23	90	27		2
208+23		222+01			6,284	69
222+01		223+75			908	9
223+75		236+60			5,996	65
236+60		242+27			2,769	29
242+27		247+47			2,376	26
247+47		250+41			1,487	15
250+41		253+54			1,463	16
253+54		257+76			2,047	22
257+76		258+51			283	5
258+51		258+76	85	26		
307+41		307+66	139	42		
307+66		315+46	127	39	4,572	49
315+46		376+64	499	150	25,369	112
376+64		376+89	100	30		1
<b>TOTAL</b>			<b>1,224</b>	<b>370</b>	<b>59,438</b>	<b>489</b>

**MANHOLES TO BE ADJUSTED SCHEDULE**

STATION	OFFSET	MAN ADJUST (EACH)
<b>CAMP JACKSON ROAD / IL ROUTE 157 / IL ROUTE 163</b>		
209+37	20' LT	1
213+68	19' LT	1
214+50	21' LT	1
219+68	20' LT	1
222+55	21' LT	1
225+63	20' LT	1
238+53	20' LT	1
242+74	20' LT	1
245+05	20' LT	1
247+37	20' LT	1
251+58	21' LT	1
255+87	23' LT	1
328+80	28' LT	1
356+55	20' LT	1
359+09	17' LT	1
363+09	16' LT	1
366+84	15' LT	1
<b>TOTAL</b>		<b>17</b>

FILE NAME :	USER NAME : *USER*	DESIGNED -	REVISED -	<p align="center"><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b></p>	<p align="center"><b>SCHEDULE OF QUANTITIES</b></p>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILE#		DRAWN -	REVISED -					F.A.P. RTE 592/F.A.U. RTE 9190	121-IRS-1	ST. CLAIR	32	9	
*MODELNAME*		CHECKED -	REVISED -					FED. ROAD DIST. NO. 8	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 76C80		
		DATE -	REVISED -					SCALE:	SHEET	OF	SHEETS	STA.	TO

**ENTRANCE SCHEDULE**

STATION	OFFSET	ENTRANCE TYPE	EXISTING SURFACE	ENTRANCE WIDTH (FOOT)	ENTRANCE DEPTH "D" (FOOT)	BIT MATLS PR CT (POUND)	INCIDENTAL HMA SURF (TON)
<b>CAMP JACKSON ROAD / IL ROUTE 157 / IL ROUTE 163</b>							
178+27	RT	COMMERCIAL	BITUMINOUS	50.6	2.0	5.1	0.56
179+84	RT	COMMERCIAL	BITUMINOUS	55.0	2.0	5.5	0.60
180+48	RT	COMMERCIAL	AGGREGATE	33.6	2.0	3.4	0.37
181+12	RT	COMMERCIAL	AGGREGATE	49.0	2.0	4.9	0.54
181+71	RT	COMMERCIAL	BITUMINOUS	36.8	2.0	3.7	0.41
182+23	RT	COMMERCIAL	BITUMINOUS	43.3	2.0	4.4	0.48
210+33	RT	PRIVATE	AGGREGATE	16.0	2.0	1.6	0.18
211+59	RT	PRIVATE	AGGREGATE	18.0	2.0	1.8	0.20
212+33	RT	PRIVATE	AGGREGATE	18.0	2.0	1.8	0.20
213+38	RT	PRIVATE	AGGREGATE	16.0	2.0	1.6	0.18
214+25	RT	PRIVATE	AGGREGATE	16.0	2.0	1.6	0.18
215+45	RT	COMMERCIAL	AGGREGATE	42.0	2.0	4.2	0.46
215+51	LT	COMMERCIAL	BITUMINOUS	46.5	2.0	4.7	0.51
216+85	RT	COMMERCIAL	BITUMINOUS	53.3	2.0	5.4	0.59
217+44	LT	COMMERCIAL	BITUMINOUS	40.0	2.0	4.0	0.44
218+04	LT	COMMERCIAL	BITUMINOUS	40.0	2.0	4.0	0.44
218+54	LT	COMMERCIAL	BITUMINOUS	30.0	2.0	3.0	0.33
220+09	RT	COMMERCIAL	BITUMINOUS	42.0	2.0	4.2	0.46
220+83	LT	COMMERCIAL	BITUMINOUS	34.0	2.0	3.4	0.38
221+56	LT	COMMERCIAL	BITUMINOUS	30.0	2.0	3.0	0.33
223+52	LT	COMMERCIAL	BITUMINOUS				
223+55	RT	COMMERCIAL	BITUMINOUS	56.0	2.0	5.6	0.61
227+26	RT	COMMERCIAL	BITUMINOUS	61.7	2.0	6.2	0.68
227+39	LT	COMMERCIAL	BITUMINOUS	48.3	2.0	4.9	0.53
228+59	LT	COMMERCIAL	BITUMINOUS	32.1	2.0	3.3	0.35
229+96	RT	PRIVATE	AGGREGATE	20.0	2.0	2.0	0.22
231+29	LT	COMMERCIAL	BITUMINOUS	38.0	2.0	3.8	0.42
233+28	LT	COMMERCIAL	BITUMINOUS	51.0	2.0	5.1	0.56
233+47	RT	COMMERCIAL	AGGREGATE	92.9	2.0	9.3	1.02
235+35	LT	COMMERCIAL	BITUMINOUS	27.2	2.0	2.8	0.30
235+51	RT	COMMERCIAL	AGGREGATE	35.0	2.0	3.5	0.39
237+25	LT	PRIVATE	AGGREGATE				
237+36	RT	PRIVATE	AGGREGATE	32.2	2.0	3.3	0.36
238+73	RT	PRIVATE	BITUMINOUS	38.1	2.0	3.9	0.42
239+47	LT	PRIVATE	AGGREGATE				
240+35	RT	PRIVATE	AGGREGATE	26.0	2.0	2.6	0.29
242+00	RT	PRIVATE	AGGREGATE	16.0	2.0	1.6	0.18
244+22	LT	PRIVATE	AGGREGATE	16.0	2.0	1.6	0.18
244+73	LT	PRIVATE	AGGREGATE	16.0	2.0	1.6	0.18
245+29	RT	COMMERCIAL	AGGREGATE	30.8	2.0	3.1	0.34
245+85	LT	PRIVATE	AGGREGATE	21.0	2.0	2.1	0.23
246+58	RT	COMMERCIAL	AGGREGATE	31.5	2.0	3.2	0.35
248+05	LT	COMMERCIAL	BITUMINOUS	57.5	2.0	5.8	0.63
248+82	LT	PRIVATE	AGGREGATE	20.3	2.0	2.1	0.23
249+35	LT	PRIVATE	AGGREGATE	19.2	2.0	2.0	0.21
249+76	LT	PRIVATE	AGGREGATE	41.7	2.0	4.2	0.46
250+25	RT	COMMERCIAL	BITUMINOUS	33.1	2.0	3.4	0.37
250+48	LT	PRIVATE	AGGREGATE	38.3	2.0	3.9	0.42
251+13	LT	PRIVATE	BITUMINOUS	26.1	2.0	2.7	0.29
251+38	RT	COMMERCIAL	AGGREGATE	43.9	2.0	4.4	0.48
252+94	LT	PRIVATE	AGGREGATE	30.3	2.0	3.1	0.33
253+70	RT	PRIVATE	BITUMINOUS	32.1	2.0	3.3	0.35
254+53	RT	PRIVATE	BITUMINOUS	32.0	2.0	3.2	0.35
255+17	RT	PRIVATE	AGGREGATE	31.9	2.0	3.2	0.35
255+87	RT	PRIVATE	AGGREGATE	31.9	2.0	3.2	0.35
257+44	RT	PRIVATE	BITUMINOUS	63.1	2.0	6.4	0.69
308+16	LT	PRIVATE	AGGREGATE	24.0	2.0	2.4	0.27
309+34	LT	COMMERCIAL	CONCRETE	39.3	2.0	4.0	0.43
310+10	LT	COMMERCIAL	CONCRETE	41.3	2.0	4.2	0.45
310+73	LT	COMMERCIAL	CONCRETE	49.0	2.0	4.9	0.54
312+15	LT	COMMERCIAL	CONCRETE	55.5	2.0	5.6	0.61
315+09	LT	COMMERCIAL	BITUMINOUS	74.3	2.0	7.5	0.81
316+40	RT	PRIVATE	AGGREGATE	18.1	2.0	1.9	0.20
317+40	RT	PRIVATE	AGGREGATE	19.3	2.0	2.0	0.22
318+90	RT	PRIVATE	BITUMINOUS	32.4	2.0	3.3	0.36
319+40	RT	PRIVATE	AGGREGATE	22.7	2.0	2.3	0.25
320+10	LT	PRIVATE	BITUMINOUS	46.6	2.0	4.7	0.51
321+00	RT	PRIVATE	AGGREGATE	37.5	2.0	3.8	0.41
322+06	RT	PRIVATE	AGGREGATE	53.2	2.0	5.4	0.58
322+68	RT	PRIVATE	AGGREGATE	59.7	2.0	6.0	0.66
323+66	RT	PRIVATE	AGGREGATE	39.1	2.0	4.0	0.43
327+03	RT	COMMERCIAL	AGGREGATE	255.6	2.0	25.6	2.79
327+89	LT	COMMERCIAL	BITUMINOUS	52.1	2.0	5.3	0.57
333+02	RT	PRIVATE	AGGREGATE	18.1	2.0	1.9	0.20
334+16	RT	COMMERCIAL	BITUMINOUS	66.0	2.0	6.6	0.72
334+31	LT	COMMERCIAL	AGGREGATE	26.0	2.0	2.6	0.29
334+76	RT	PRIVATE	AGGREGATE	18.0	2.0	1.8	0.20
335+25	RT	PRIVATE	AGGREGATE	18.1	2.0	1.9	0.20
335+33	LT	COMMERCIAL	AGGREGATE	40.0	2.0	4.0	0.44
335+98	RT	PRIVATE	AGGREGATE	18.0	2.0	1.8	0.20
336+50	RT	PRIVATE	AGGREGATE	18.0	2.0	1.8	0.20
336+76	LT	PRIVATE	BITUMINOUS	17.8	2.0	1.8	0.20
336+97	RT	PRIVATE	AGGREGATE	18.0	2.0	1.8	0.20
336+98	LT	PRIVATE	AGGREGATE	18.0	2.0	1.8	0.20
338+00	LT	PRIVATE	BITUMINOUS	21.8	2.0	2.2	0.24
339+23	RT	COMMERCIAL	BITUMINOUS	149.5	2.0	15.0	1.63

**ENTRANCE SCHEDULE**

STATION	OFFSET	ENTRANCE TYPE	EXISTING SURFACE	ENTRANCE WIDTH (FOOT)	ENTRANCE DEPTH "D" (FOOT)	BIT MATLS PR CT (POUND)	INCIDENTAL HMA SURF (TON)
339+53	LT	PRIVATE	AGGREGATE	22.0	2.0	2.2	0.24
339+81	LT	PRIVATE	CONCRETE	17.3	2.0	1.8	0.19
340+32	LT	PRIVATE	AGGREGATE	18.3	2.0	1.9	0.20
340+59	LT	PRIVATE	AGGREGATE	18.8	2.0	1.9	0.21
341+47	LT	PRIVATE	AGGREGATE	18.7	2.0	1.9	0.21
341+90	LT	PRIVATE	AGGREGATE	18.6	2.0	1.9	0.21
343+05	LT	PRIVATE	AGGREGATE	43.1	2.0	4.4	0.47
344+22	LT	PRIVATE	AGGREGATE	18.3	2.0	1.9	0.20
345+66	LT	PRIVATE	AGGREGATE	18.2	2.0	1.9	0.20
346+23	LT	PRIVATE	BITUMINOUS	28.3	2.0	2.9	0.31
346+35	RT	PRIVATE	AGGREGATE	24.1	2.0	2.5	0.27
346+50	LT	PRIVATE	AGGREGATE	21.2	2.0	2.2	0.24
347+30	LT	PRIVATE	AGGREGATE	20.1	2.0	2.1	0.22
348+11	RT	PRIVATE	AGGREGATE	18.0	2.0	1.8	0.20
348+38	LT	PRIVATE	AGGREGATE	18.1	2.0	1.9	0.20
349+51	LT	PRIVATE	AGGREGATE	19.2	2.0	2.0	0.21
349+74	RT	PRIVATE	AGGREGATE	17.9	2.0	1.8	0.20
354+39	LT	PRIVATE	CONCRETE	25.3	2.0	2.6	0.28
355+66	LT	PRIVATE	AGGREGATE	18.2	2.0	1.9	0.20
356+51	LT	PRIVATE	AGGREGATE	18.4	2.0	1.9	0.21
357+24	LT	PRIVATE	AGGREGATE	18.4	2.0	1.9	0.21
357+53	LT	PRIVATE	AGGREGATE	16.0	2.0	1.6	0.18
357+92	LT	PRIVATE	AGGREGATE	16.0	2.0	1.6	0.18
358+61	LT	PRIVATE	AGGREGATE	20.0	2.0	2.0	0.22
358+91	RT	PRIVATE	AGGREGATE	25.0	2.0	2.5	0.28
359+93	LT	PRIVATE	AGGREGATE	34.0	2.0	3.4	0.38
360+93	LT	PRIVATE	AGGREGATE	18.0	2.0	1.8	0.20
361+49	RT	PRIVATE	AGGREGATE	21.0	2.0	2.1	0.23
361+75	LT	PRIVATE	AGGREGATE	18.2	2.0	1.9	0.20
362+65	LT	PRIVATE	AGGREGATE	18.2	2.0	1.9	0.20
363+11	LT	PRIVATE	AGGREGATE	18.2	2.0	1.9	0.20
364+43	RT	PRIVATE	AGGREGATE	30.2	2.0	3.1	0.33
364+49	LT	PRIVATE	AGGREGATE	24.1	2.0	2.5	0.27
364+89	LT	PRIVATE	AGGREGATE	18.2	2.0	1.9	0.20
365+82	LT	PRIVATE	BITUMINOUS	32.3	2.0	3.3	0.36
368+39	LT	PRIVATE	AGGREGATE	18.1	2.0	1.9	0.20
369+02	LT	PRIVATE	AGGREGATE	18.1	2.0	1.9	0.20
369+79	LT	PRIVATE	AGGREGATE	18.0	2.0	1.8	0.20
370+53	LT	PRIVATE	AGGREGATE	18.3	2.0	1.9	0.20
375+04	LT	COMMERCIAL	BITUMINOUS	44.0	2.0	4.4	0.48

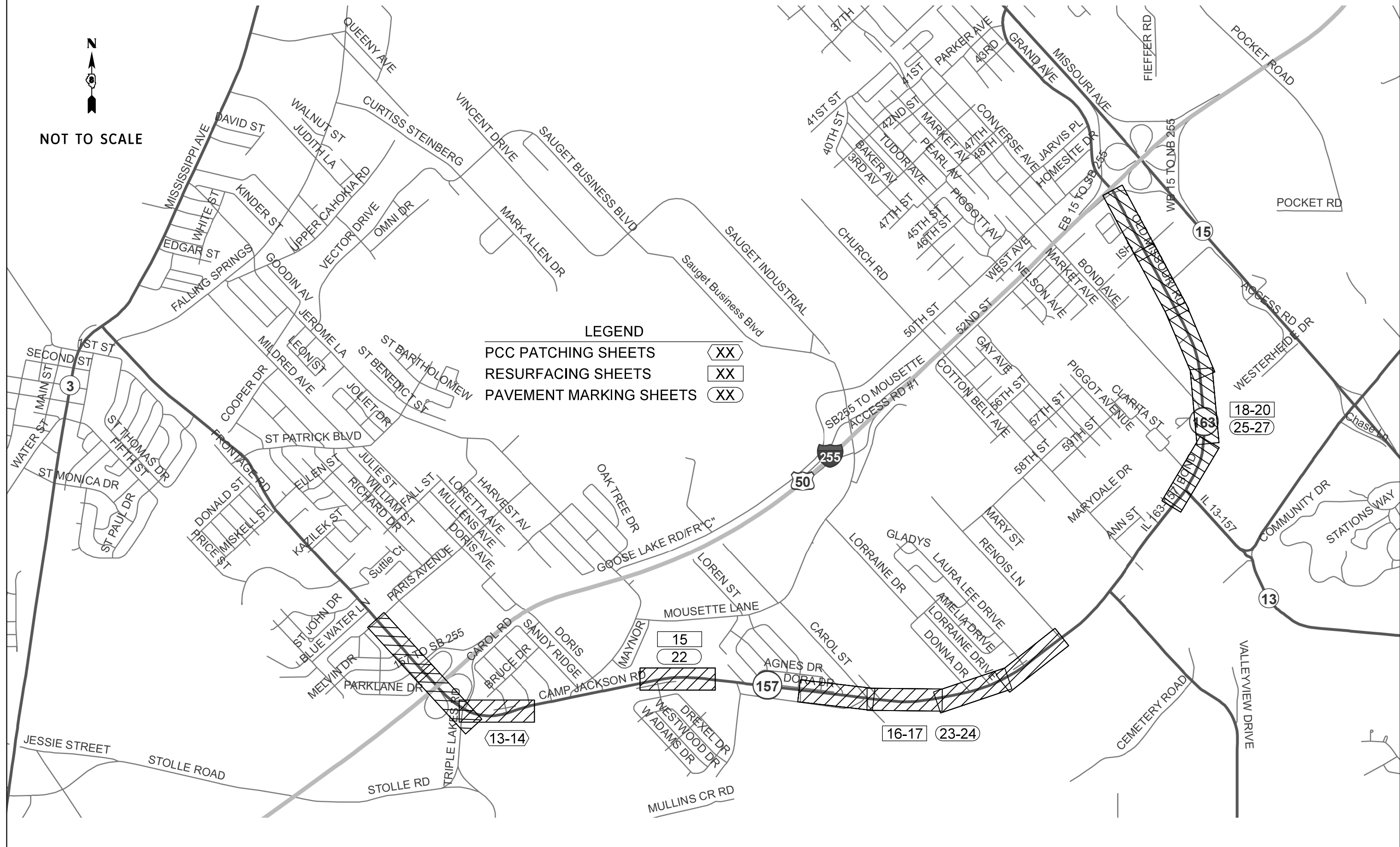
**TOTAL** 418.3 45.56  
 \*NOTE: AS SPECIFIED IN SECTION 408.04 OF THE STANDARD SPECIFICATIONS, APRONS PLACED WITH EXTENDIBLE SCREED DURING MAINLINE PAVING WILL BE CONSIDERED AN INTEGRAL PART OF THE MAINLINE PAVING AND WILL NOT BE MEASURED FOR PAYMENT AS INCIDENTAL HMA SURFACING.

**PAVEMENT PATCHING**

LOCATION	DIRECTION	LENGTH	WIDTH	AREA	10"		
MILE POINT	LANE	FT	FT	SQ YD	TYPE II	TYPE III	TYPE IV
1.18	WB	16.00	12.00	21.33			
1.20	WB	6.00	12.00	8.00	8.00		
1.21	WB	8.00	12.00	10.67	10.67		
1.24	WB	6.00	12.00	8.00	8.00		
1.33	WB	12.00	12.00	16.00		16.00	
1.33	BI	6.00	12.00	8.00	8.00		
1.94	WB	10.00	12.00	13.33	13.33		
1.97	WB	6.00	12.00	8.00	8.00		
2.00	WB	6.00	12.00	8.00	8.00		
2.00	BI	6.00	12.00	8.00	8.00		
2.21	WB	8.00	12.00	10.67	10.67		
2.21	BI	8.00	12.00	10.67	10.67		
2.23	WB	6.00	12.00	8.00	8.00		
2.40	WB	6.00	12.00	8.00	8.00		
2.45	WB	6.00	12.00	8.00	8.00		
2.47	WB	6.00	12.00	8.00	8.00		
2.47	BI	6.00	12.00	8.00	8.00		
2.48	WB	6.00	12.00	8.00	8.00		
2.51	WB	8.00	12.00	10.67	10.67		
2.57	BI	6.00	12.00	8.00	8.00		
2.57	WB	6.00	12.00	8.00	8.00		
2.76	BI	8.00	12.00	10.67	10.67		
2.76	WB	8.00	12.00	10.67	10.67		
3.85	MEDIAN	20.00	12.00	26.67			26.67
3.85	WB	20.00	12.00	26.67			26.67
3.96	WB	6.00	12.00	8.00	8.00		
4.16	WB	6.00	12.00	8.00	8.00		
4.16	EB	6.00	12.00	8.00	8.00		
4.18	WB	6.00	12.00	8.00	8.00		
4.30	EB	6.00	12.00	8.00	8.00		
4.55	EB	6.00	12.00	8.00	8.00		
4.60	EB	10.00	12.00	13.33	13.33		
4.70	EB	8.00	12.00	10.67	10.67		
4.70	WB	8.00	12.00	10.67	10.67		
4.77	EB	6.00	12.00	8.00	8.00		
4.77	WB	6.00	12.00	8.00	8.00		
4.82	EB	6.00	12.00	8.00	8.00		
4.82	WB	6.00	12.00	8.00	8.00		
5.05	WB	12.00	12.00	16.00		16.00	
SUB-TOTAL					304.00	32.00	53.33



NOT TO SCALE



**LEGEND**

PCC PATCHING SHEETS	XX
RESURFACING SHEETS	XX
PAVEMENT MARKING SHEETS	XX

FILE NAME =	USER NAME = m_jreker	DESIGNED -	REVISED -
Gr:\SL14\0005\Road\dgn\076080-SHT-KEY.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN KEYMAP				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	11
F.A.P. RTE 592/F.A.U. RTE 9190		CONTRACT NO. 76C80	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			



NOT TO SCALE



2013 ADT = 2750 (ACTUAL)  
 2014 ADT = 2800 (ESTIMATED)  
 2034 ADT = 3400 (ESTIMATED)  
 SU = 2.9% MU = 1.0%

2013 ADT = 2400 (ACTUAL)  
 2014 ADT = 2450 (ESTIMATED)  
 2034 ADT = 3000 (ESTIMATED)  
 SU = 2.1% MU = 0.5%

2013 ADT = 6700 (ACTUAL)  
 2014 ADT = 6800 (ESTIMATED)  
 2034 ADT = 8200 (ESTIMATED)  
 SU = 2.2 MU = 1.6%

2013 ADT = 7750 (ACTUAL)  
 2014 ADT = 7800 (ESTIMATED)  
 2034 ADT = 9550 (ESTIMATED)  
 SU = 2.1% MU = 1.7%

2013 ADT = 13400 (ACTUAL)  
 2014 ADT = 13500 (ESTIMATED)  
 2034 ADT = 16500 (ESTIMATED)  
 SU = 3.7% MU = 2.4%

2013 ADT = 13100 (ACTUAL)  
 2014 ADT = 13200 (ESTIMATED)  
 2034 ADT = 16100 (ESTIMATED)  
 SU = 4.6% MU = 2.3%

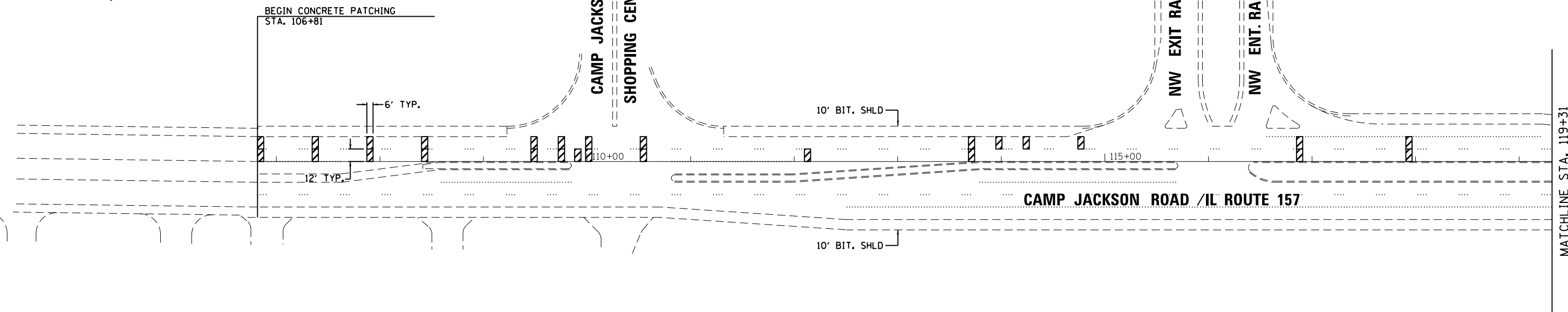
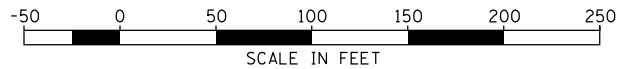
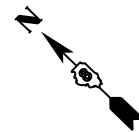
2013 ADT = 8600 (ACTUAL)  
 2014 ADT = 8700 (ESTIMATED)  
 2034 ADT = 10600 (ESTIMATED)  
 SU = 3.2% MU = 1.5%

2013 ADT = 7250 (ACTUAL)  
 2014 ADT = 7300 (ESTIMATED)  
 2034 ADT = 8900 (ESTIMATED)  
 SU = 4.1% MU = 1.2%

2013 ADT = 8600 (ACTUAL)  
 2014 ADT = 8700 (ESTIMATED)  
 2034 ADT = 10600 (ESTIMATED)  
 SU = 2.2% MU = 1.2%

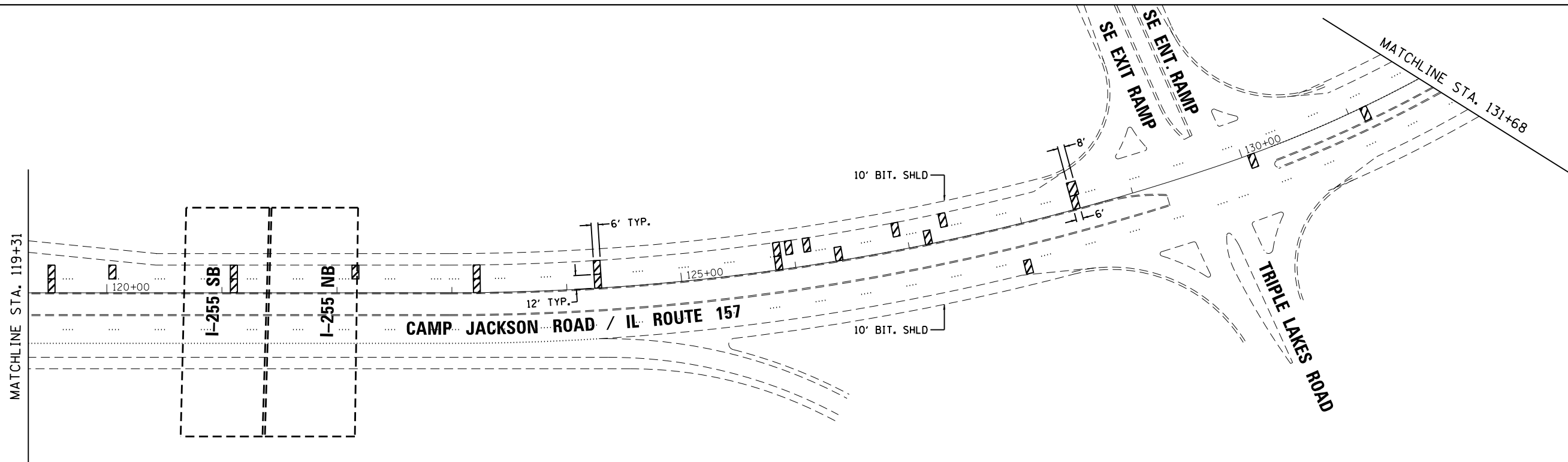
2013 ADT = 7050 (ACTUAL)  
 2014 ADT = 7100 (ESTIMATED)  
 2034 ADT = 8700 (ESTIMATED)  
 SU = 2.0% MU = 1.1%

FILE NAME = G:\SL14\0005\Road\dgn\076080-SHT-ADT.dgn	USER NAME = mjreker	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>AVERAGE DAILY TRAFFIC DATA</b>				SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	121-IRS-1	ST. CLAIR	32	12
		CHECKED -	REVISED -		F.A.P. RTE 592/F.A.U. RTE 9190								
		DATE -	REVISED -		CONTRACT NO. 76C80								
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT													

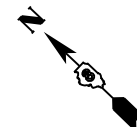
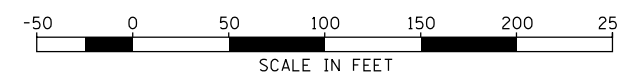


**LEGEND**  
PCC PATCHING

MATCHLINE STA. 119+31



**LEGEND**  
PCC PATCHING



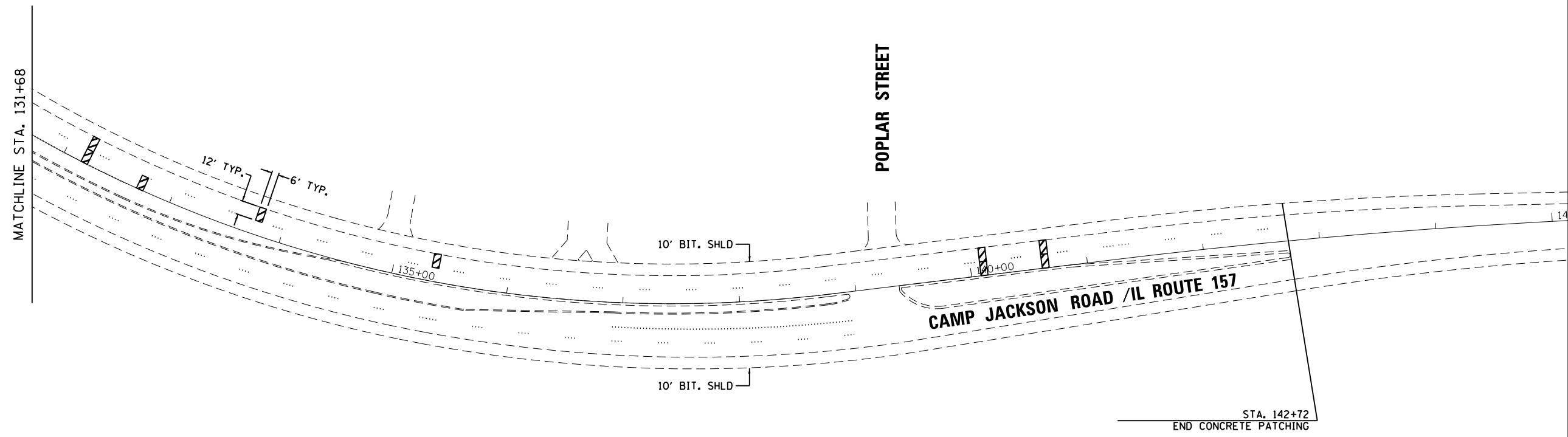
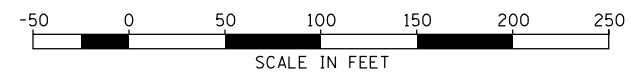
FILE NAME = G:\SL14\0005\Road\dgn\076680-PL-001.dgn	USER NAME = m_jreker	DESIGNED -	REVISED -
Default	PLOT SCALE = 100.0000' / 1".	DRAWN -	REVISED -
	PLOT DATE = 6/5/2014	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PCC PATCHING PLANS**

SCALE: SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	13
F.A.P. RTE 592/F.A.U. RTE 9190		CONTRACT NO. 76680	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			



**LEGEND**

PCC PATCHING	
--------------	--

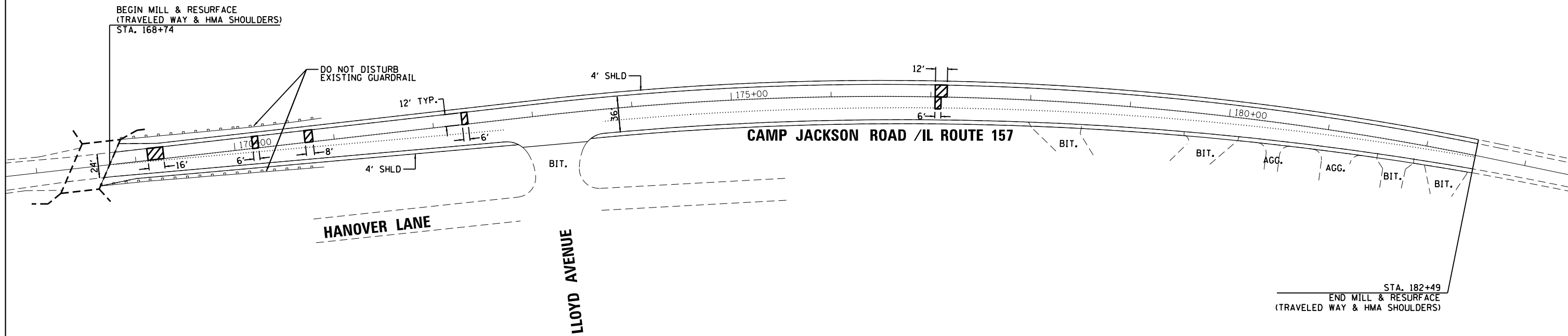
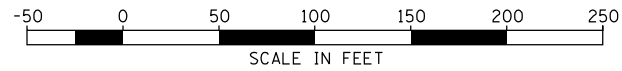
FILE NAME =	USER NAME = mjreker	DESIGNED -	REVISED -
G:\SL14\0005\Road\dgn\076080-PL-002.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PCC PATCHING PLANS**

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

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	14
F.A.P. RTE 592/F.A.U. RTE 9190		CONTRACT NO. 76080	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			



**LEGEND**  
PAVEMENT PATCHING

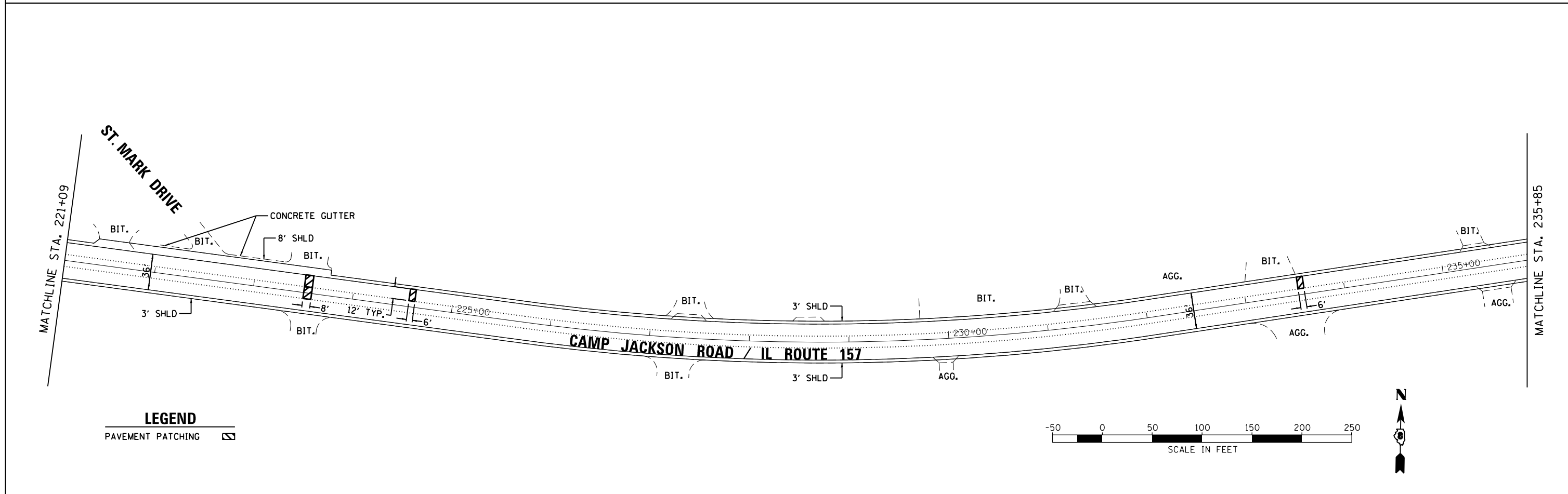
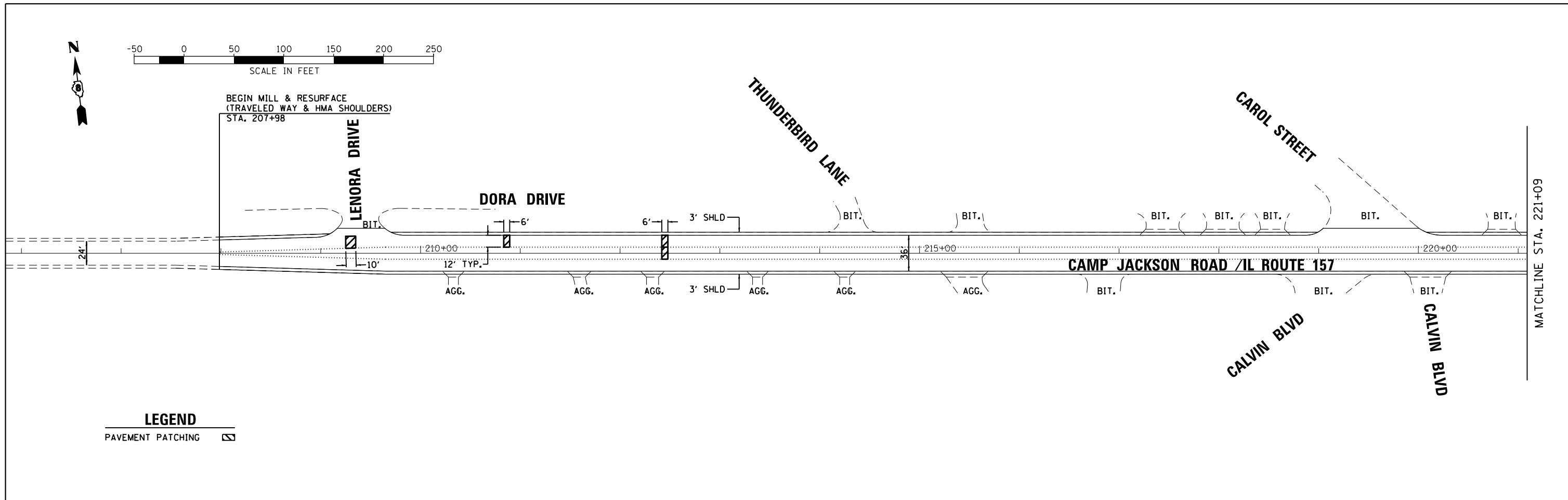
FILE NAME = G:\SL14\0005\Road\dgn\076680-PL-101.dgn	USER NAME = mjreker	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 6/5/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RESURFACING PLANS**

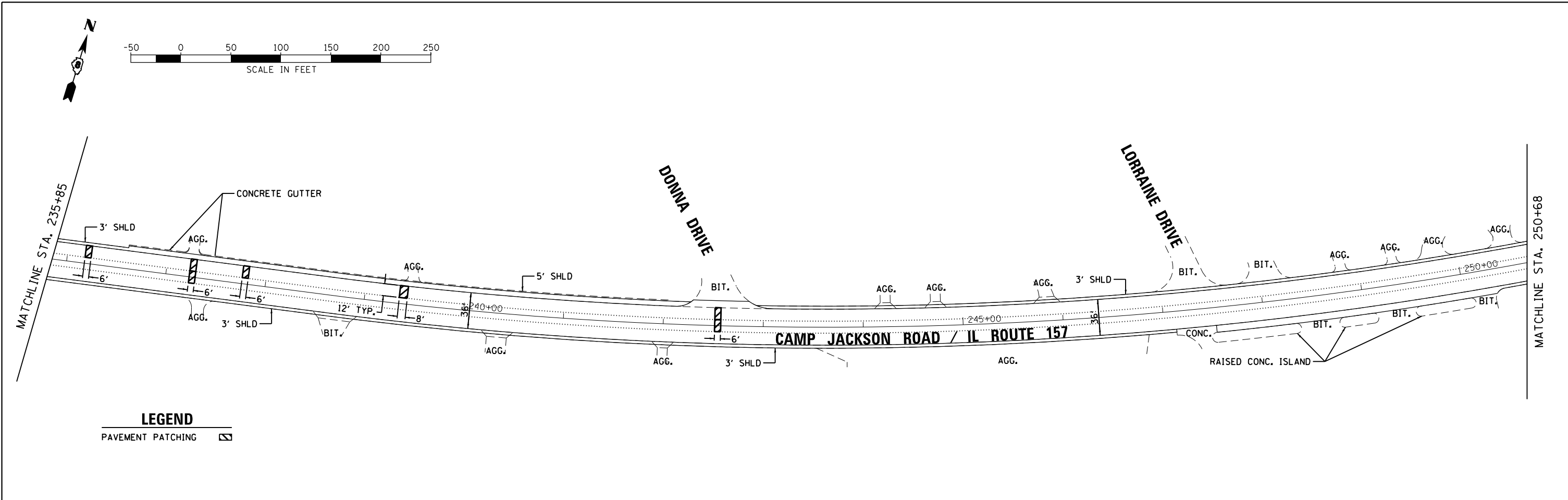
SCALE: SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	15
F.A.P. RTE 592/F.A.U. RTE 9190		CONTRACT NO. 76680	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			

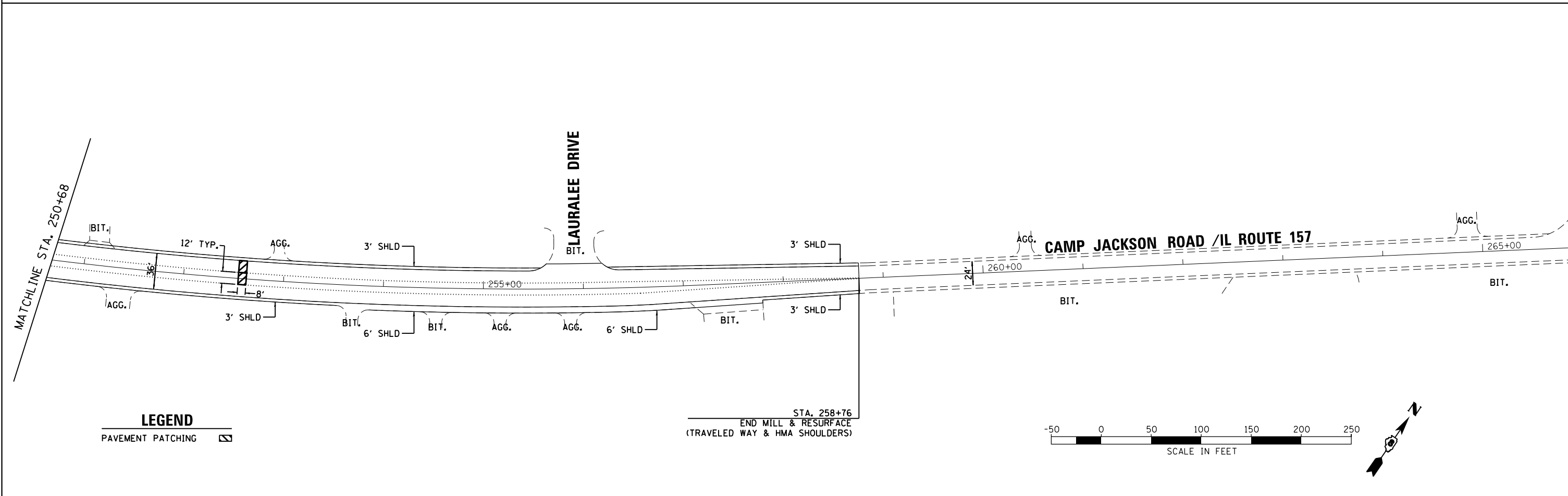


FILE NAME = G:\SL14\0005\Road\dgn\076680-PL-201.dgn	USER NAME = mjreker	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RESURFACING PLANS</b>				SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 100.0000' / 1" / 1" / 1"	DRAWN -	REVISED -						121-IRS-1	ST. CLAIR	32	16
	PLOT DATE = 6/5/2014	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				F.A.P. RTE 592/F.A.U. RTE 9190	CONTRACT NO. 76680		
		DATE -	REVISED -						FED. ROAD DIST. NO. 8	ILLINOIS FED. AID PROJECT		





**LEGEND**  
PAVEMENT PATCHING



**LEGEND**  
PAVEMENT PATCHING

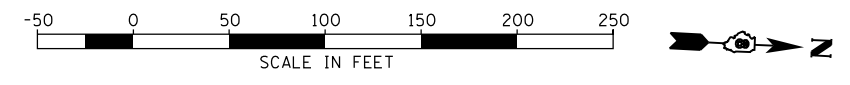
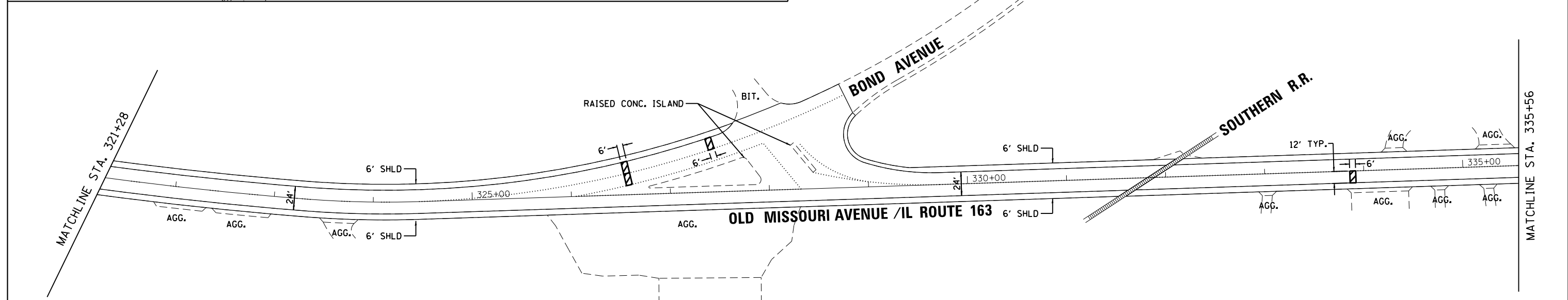
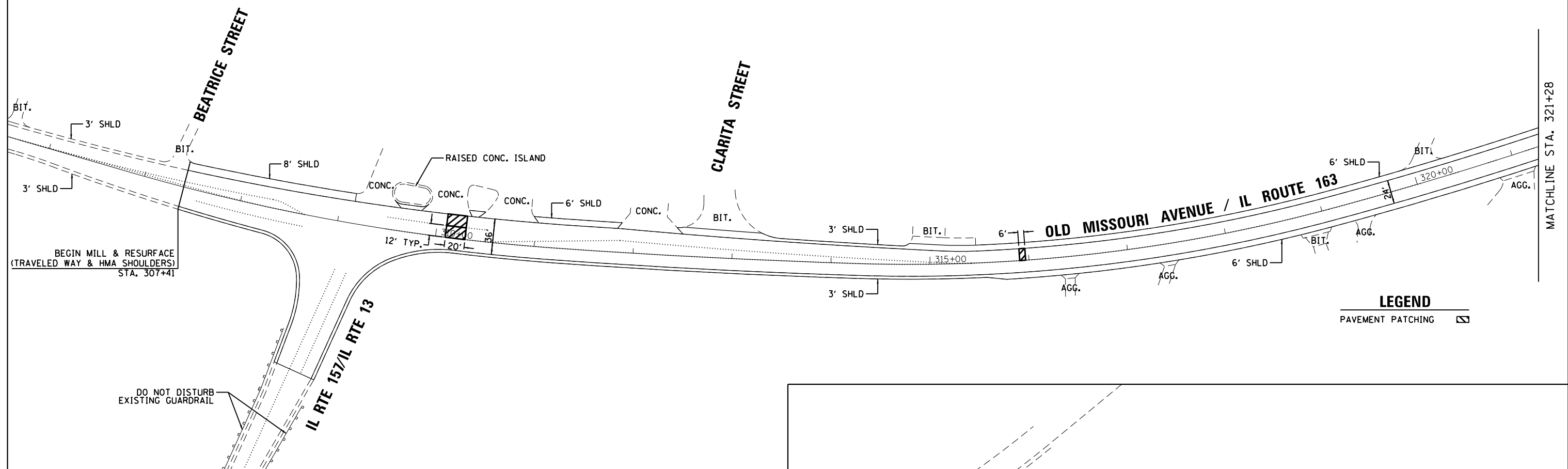
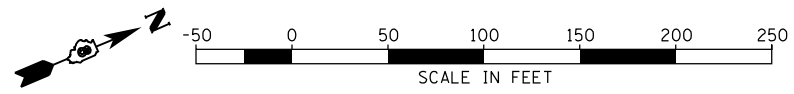
STA. 258+76  
END MILL & RESURFACE  
(TRAVELED WAY & HMA SHOULDERS)

FILE NAME = G:\SL14\0005\Road\dgn\076080-PL-202.dgn	USER NAME = mjreker	DESIGNED -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
	PLOT DATE = 6/5/2014	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

RESURFACING PLANS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	17
F.A.P. RTE 592/F.A.U. RTE 9190		CONTRACT NO. 76080	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			

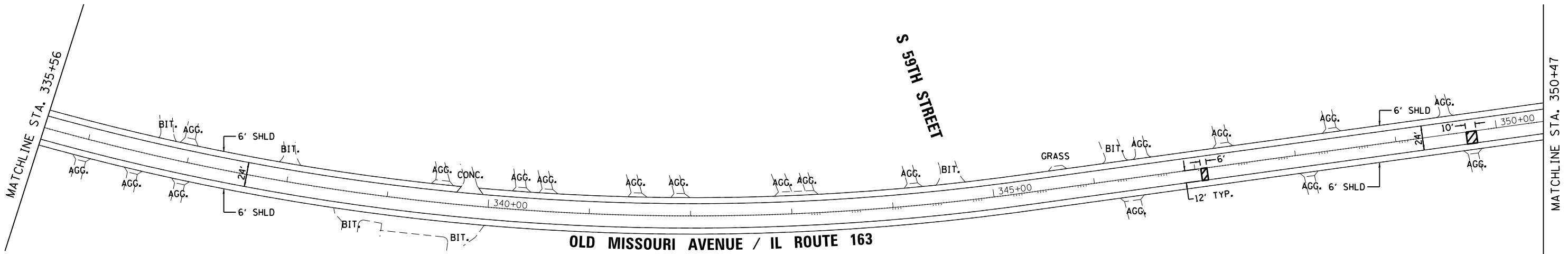
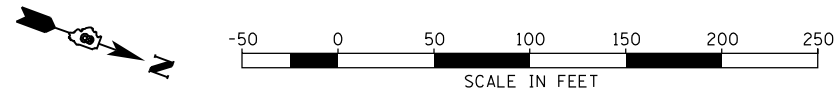


FILE NAME = G:\SL14\0005\Road\dgn\076680-PL-301.dgn	USER NAME = m_jreker	DESIGNED -	REVISED -
Default	PLOT SCALE = 100.0000' / 1" =	DRAWN -	REVISED -
	PLOT DATE = 6/5/2014	CHECKED -	REVISED -
		DATE -	REVISED -

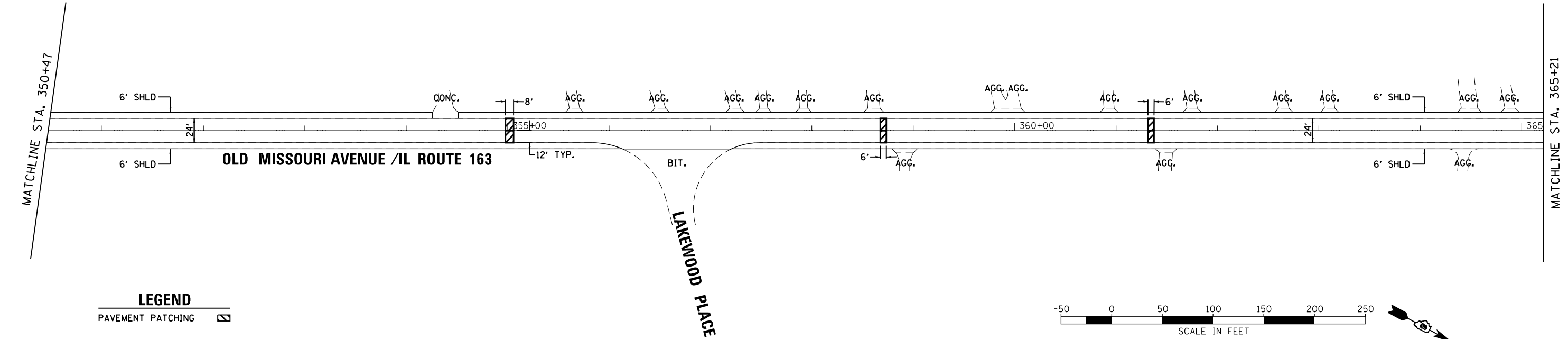
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

RESURFACING PLANS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	18
F.A.P. RTE 592/F.A.U. RTE 9190		CONTRACT NO. 76680	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			



**LEGEND**  
PAVEMENT PATCHING



**LEGEND**  
PAVEMENT PATCHING



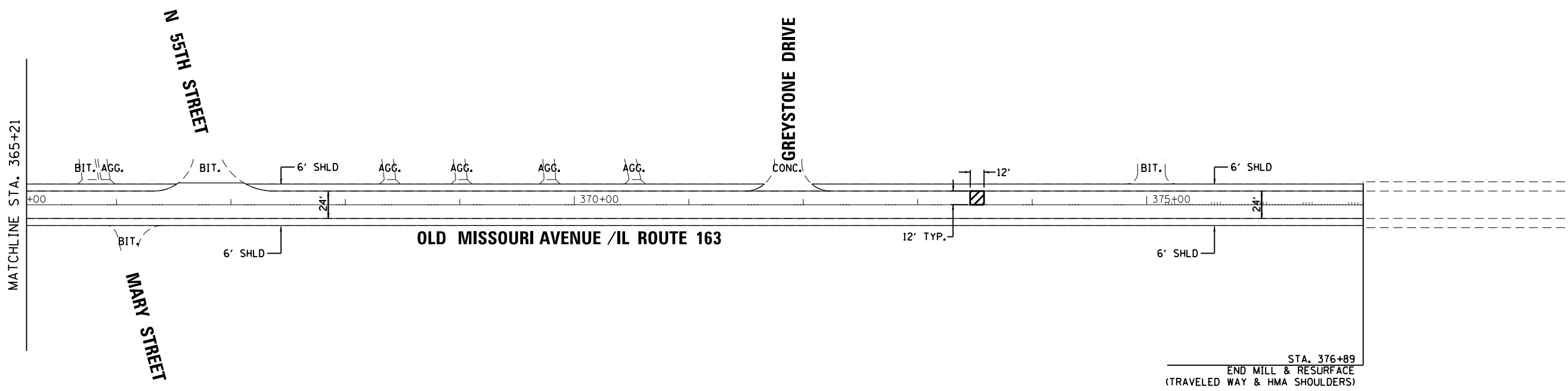
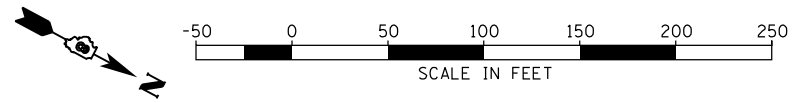
FILE NAME =	USER NAME = myreker	DESIGNED -	REVISED -
G:\SL14\0005\Road\dgn\076080-PL-302.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RESURFACING PLANS**

SCALE: SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	19
F.A.P. RTE 592/F.A.U. RTE 9190		CONTRACT NO. 76080	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			



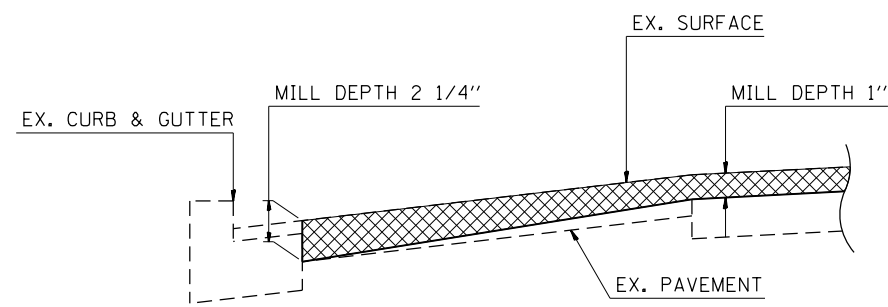
**LEGEND**  
 PAVEMENT PATCHING

FILE NAME = G:\SL14\0005\Road\dgn\076080-PL-303.dgn	USER NAME = mjreker	DESIGNED -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
	PLOT DATE = 6/5/2014	CHECKED -	REVISED -
		DATE -	REVISED -

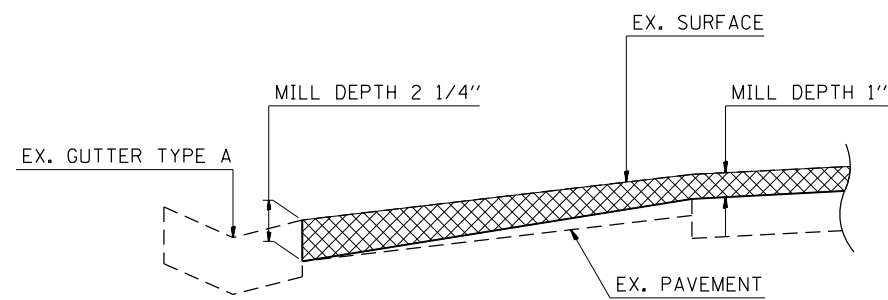
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

RESURFACING PLANS			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

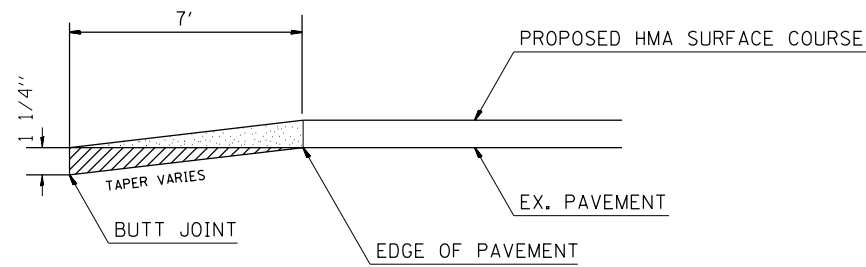
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	20
F.A.P. RTE 592/F.A.U. RTE 9190		CONTRACT NO. 76080	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			



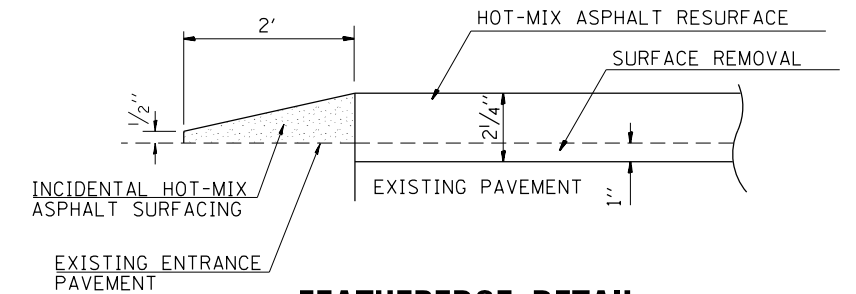
**MILLING DETAIL  
ADJACENT TO CURB & GUTTER**



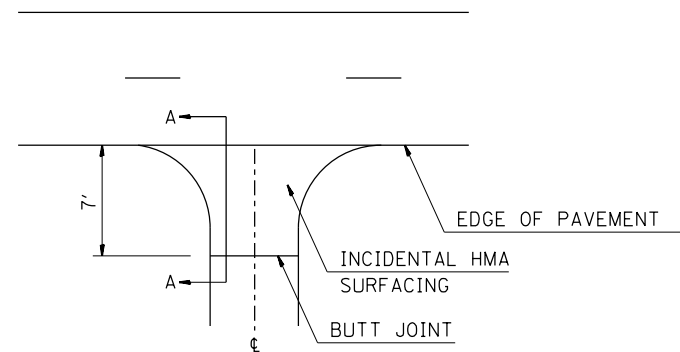
**MILLING DETAIL  
ADJACENT TO GUTTER TYPE A**



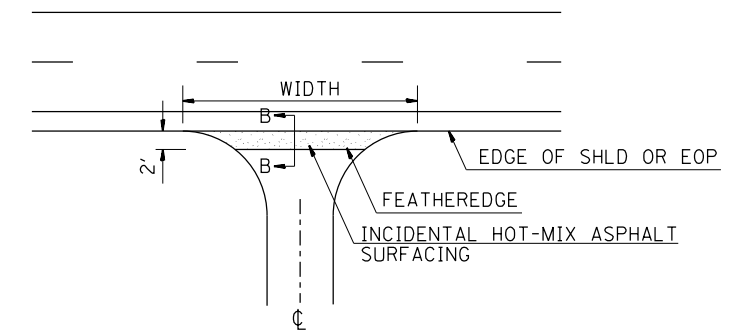
**TRANSITION DETAIL  
SECTION A-A**



**FEATHEREDGE DETAIL  
SECTION B-B**

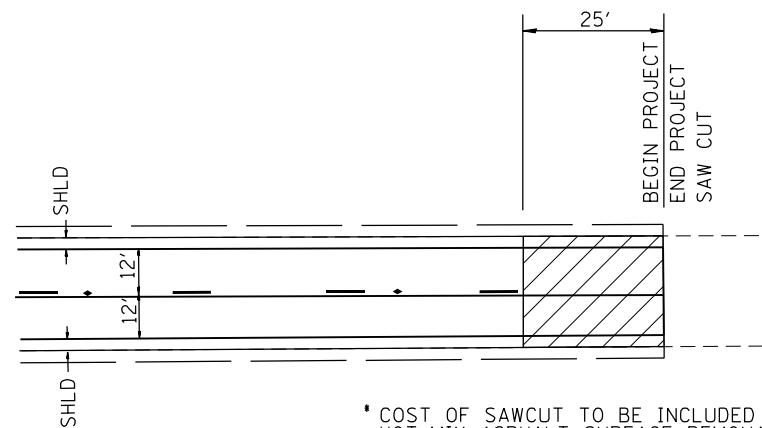


**SIDEROAD DETAIL**

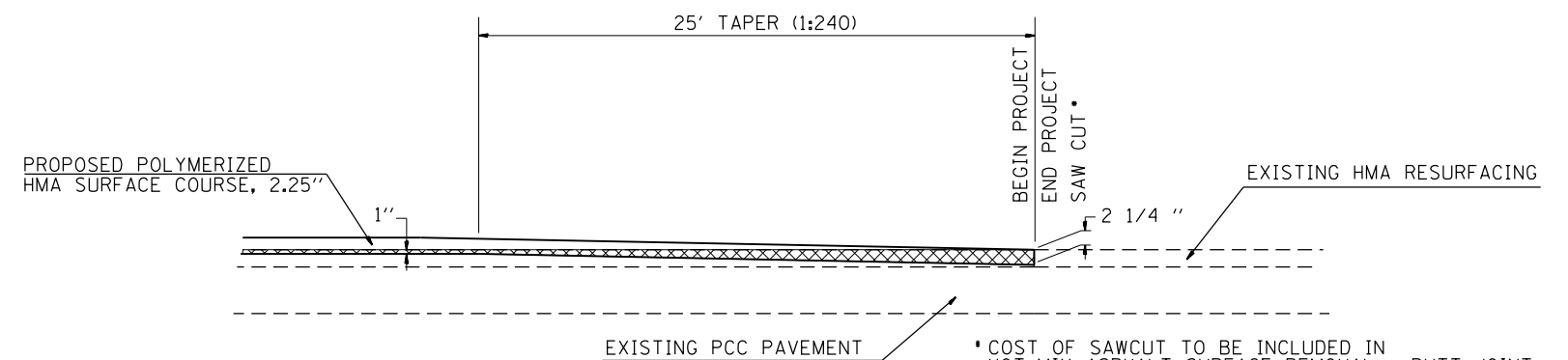


**HMA, AGG., AND FIELD  
ENTRANCE DETAIL**

NOTE:  
WHERE THE HMA TRANSITION IS MATCHING INTO AN EXISTING HMA SIDEROAD SURFACE, A MILLED BUTT JOINT SHALL BE CONSTRUCTED WITHIN THE LIMITS OF THE TOTAL TRANSITION LENGTH ON THE LOCAL ROUTE.



**JOINT DETAIL  
PLAN VIEW**



**JOINT DETAIL  
ELEVATION VIEW**

\* COST OF SAWCUT TO BE INCLUDED IN HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

\* COST OF SAWCUT TO BE INCLUDED IN HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

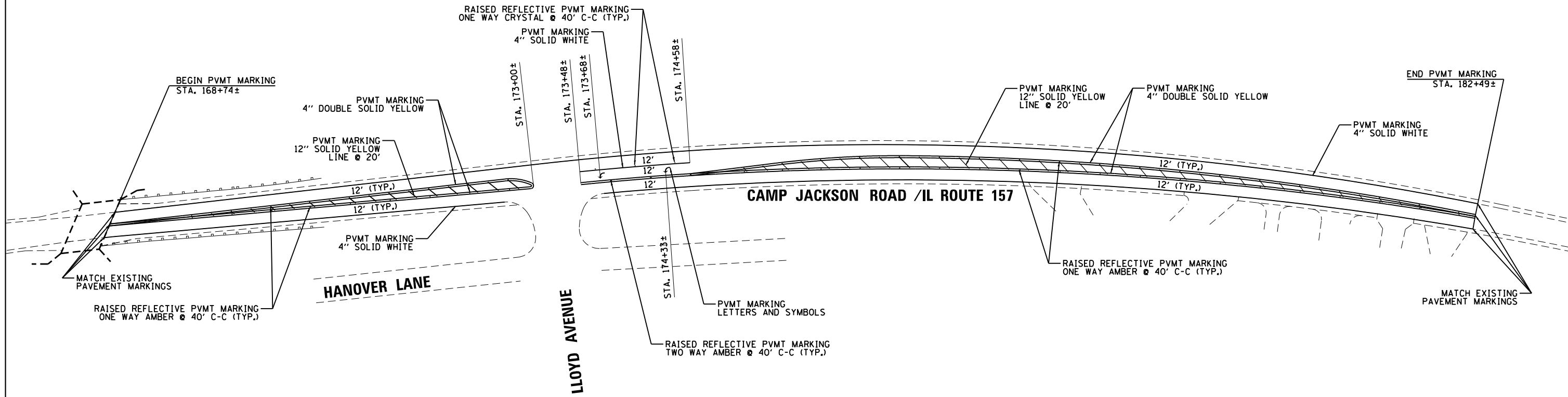
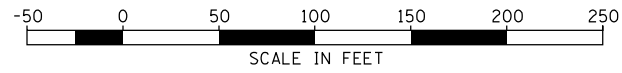
FILE NAME =	USER NAME = mjreker	DESIGNED -	REVISED -
G:\SL14\0005\Road\dgn\076680-SHT-DET.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / 1".	CHECKED -	REVISED -
	PLOT DATE = 6/5/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RESURFACING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	21
F.A.P. RTE 592/F.A.U. RTE 9190		CONTRACT NO. 76C80	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			



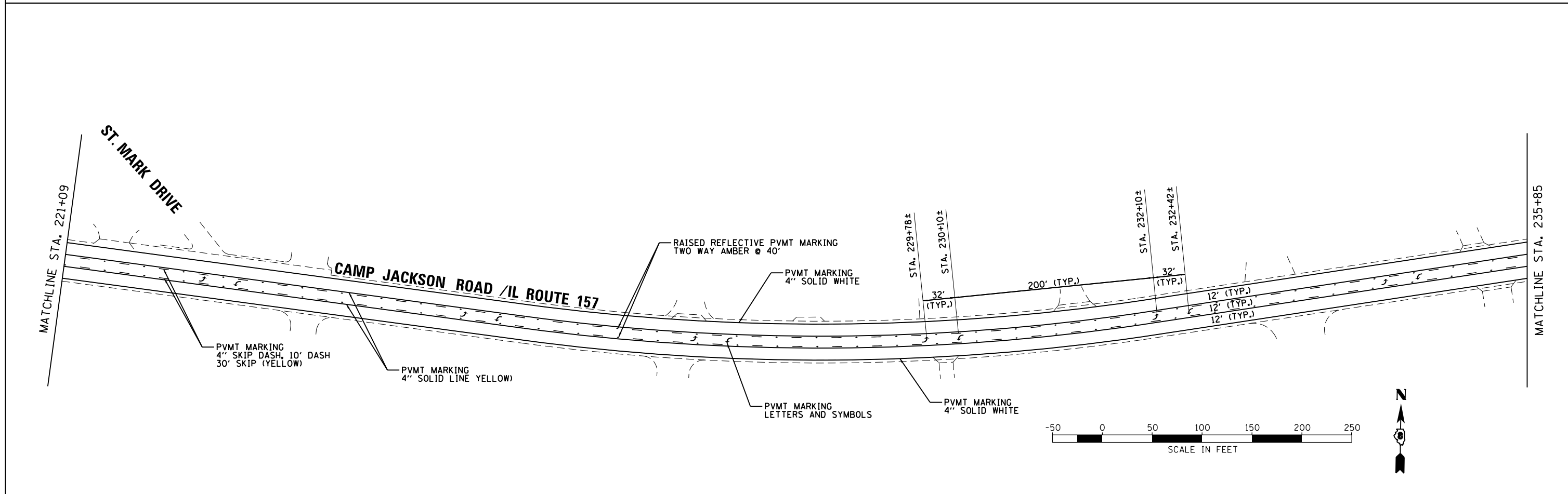
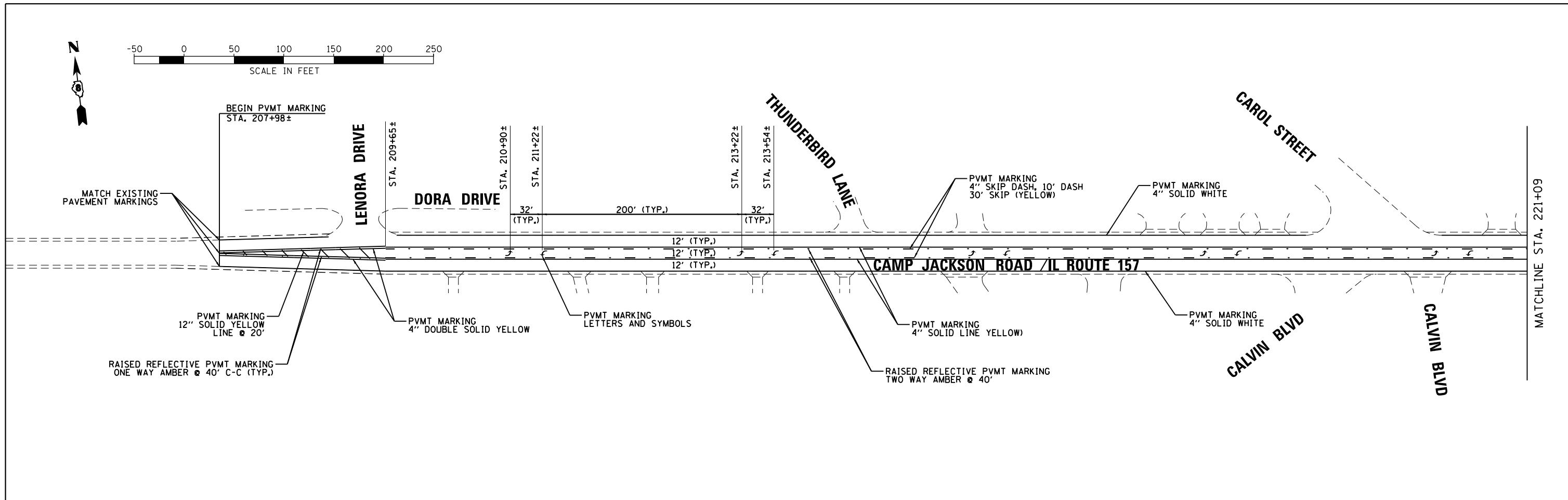
FILE NAME =	USER NAME = mjreker	DESIGNED -	REVISED -
G:\SL14\0005\Road\dgn\076080-PM-101.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	22
F.A.P. RTE 592/F.A.U. RTE 9190		CONTRACT NO. 76080	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			

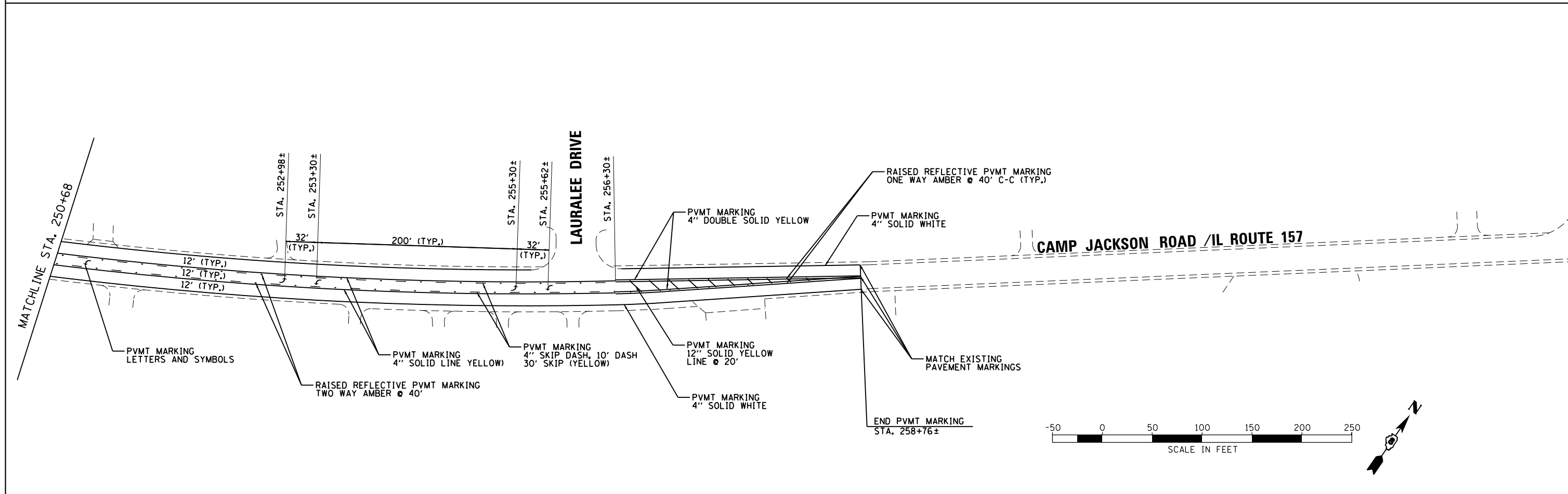
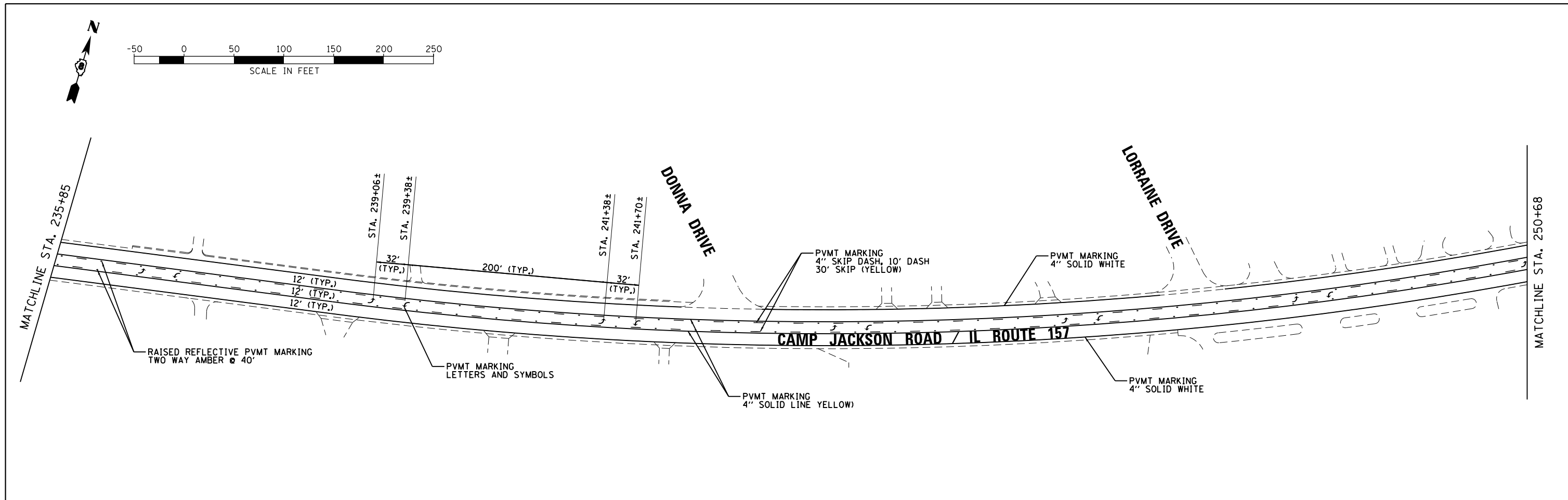


FILE NAME =	USER NAME = mjreker	DESIGNED -	REVISED -
G:\SL14\0005\Road\dgn\076680-PM-201.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING PLAN</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	23
F.A.P. RTE 592/F.A.U. RTE 9190		CONTRACT NO. 76680	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			



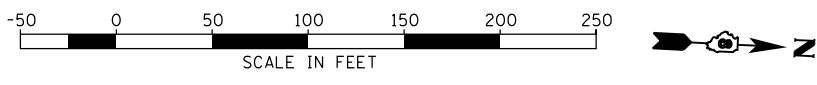
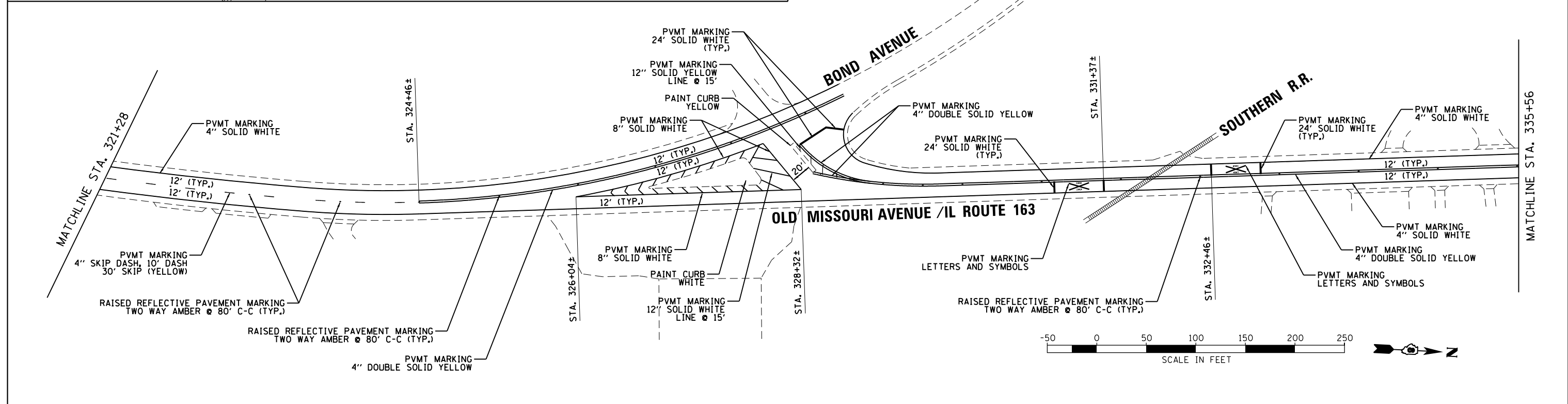
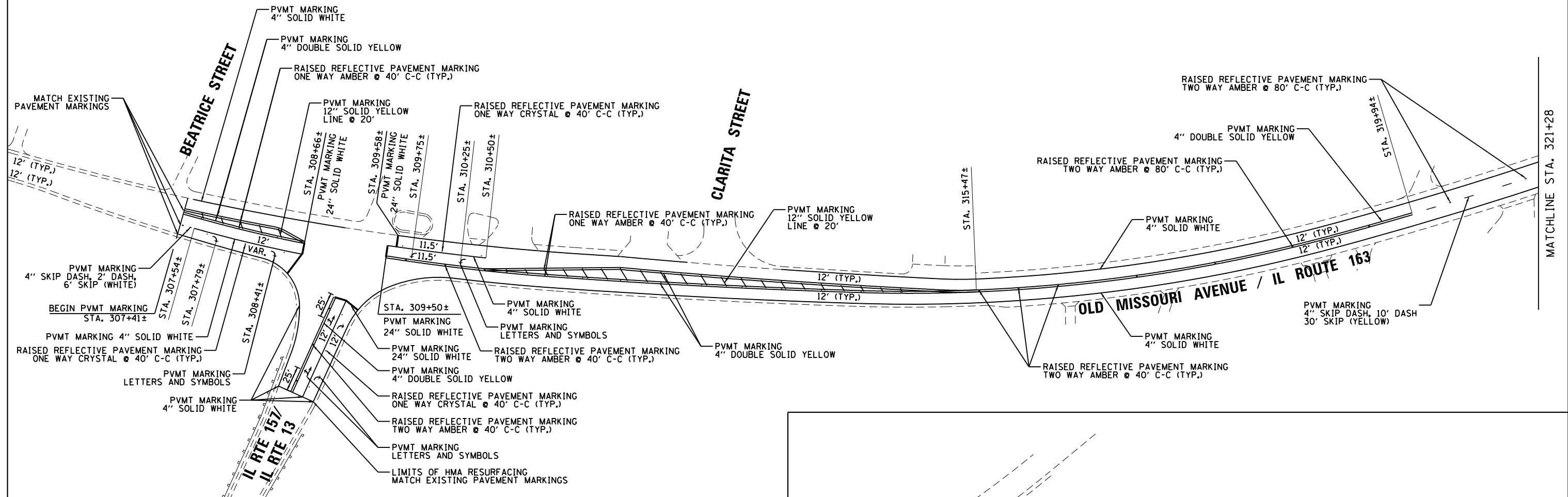
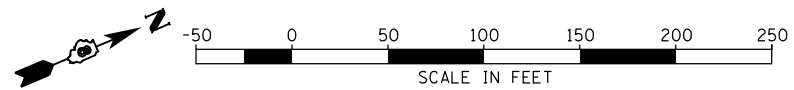
FILE NAME =	USER NAME = mjreker	DESIGNED -	REVISED -
G:\SL14\0005\Road\dgn\076680-PM-202.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING PLAN</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	24
F.A.P. RTE 592/F.A.U. RTE 9190		CONTRACT NO. 76680	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			



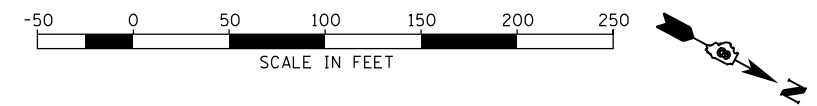
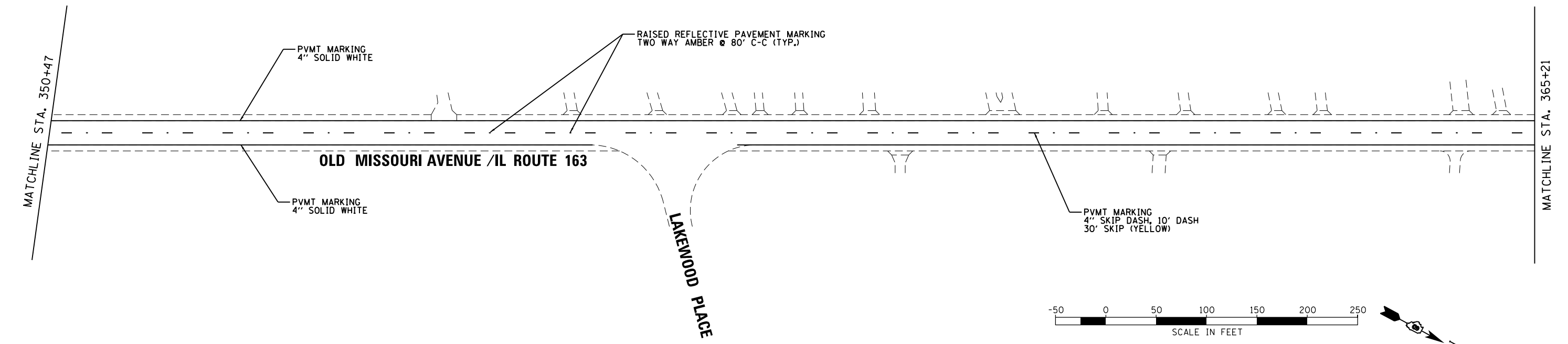
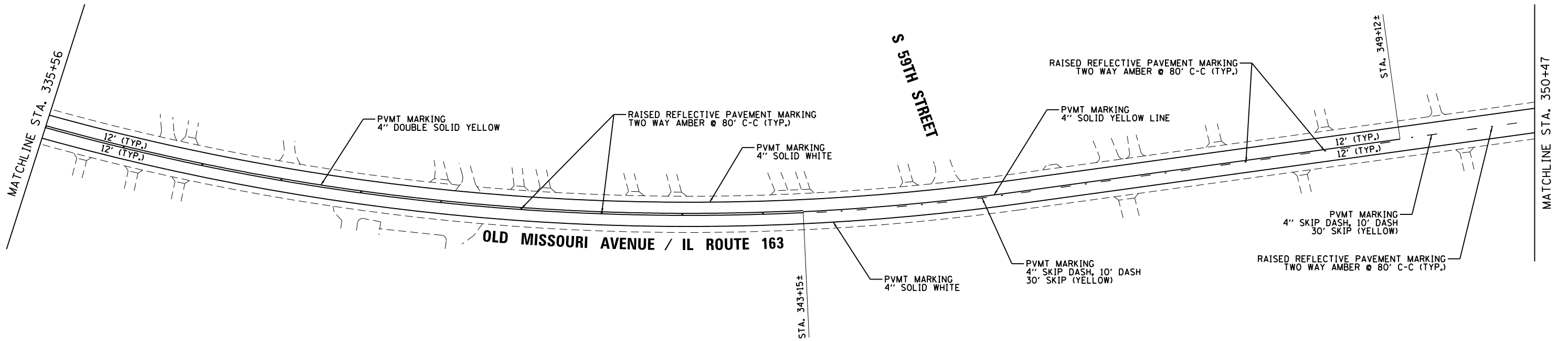
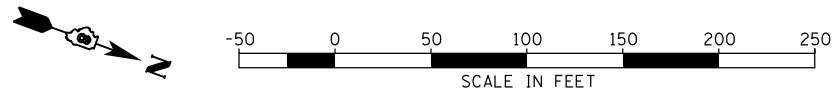


FILE NAME =	USER NAME = mjreker	DESIGNED -	REVISED -
Gr:\SL14\0005\Road\dgn\076680-PM-301.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING PLAN</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	25
F.A.P. RTE 592/F.A.U. RTE 9190		CONTRACT NO. 76C80	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			

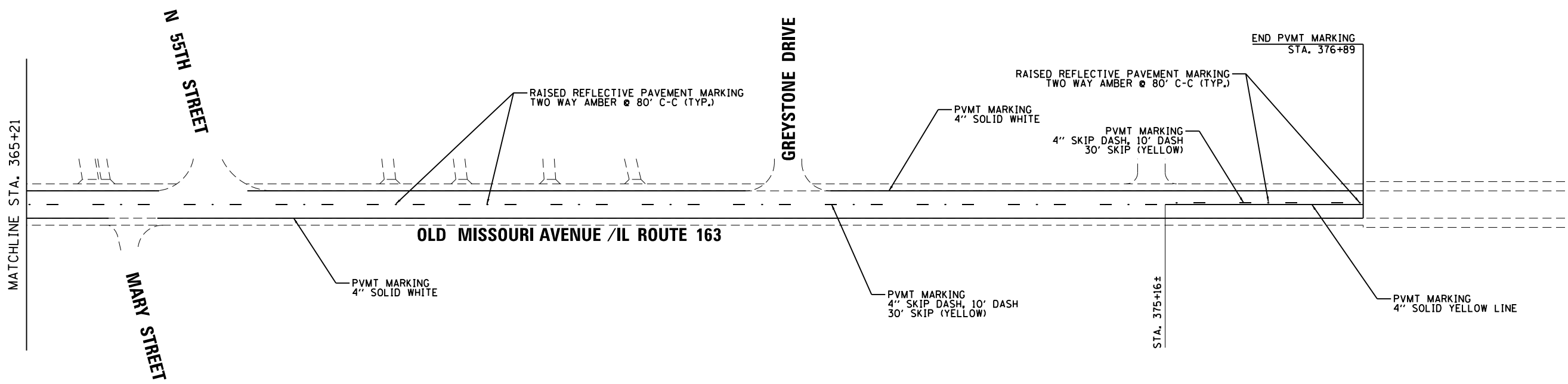
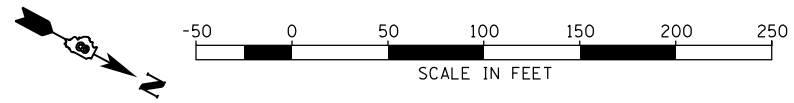


FILE NAME =	USER NAME = m_jreker	DESIGNED -	REVISED -
G:\SL14\0005\Road\dgn\076680-PM-302.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	26
F.A.P. RTE 592/F.A.U. RTE 9190		CONTRACT NO. 76680	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			

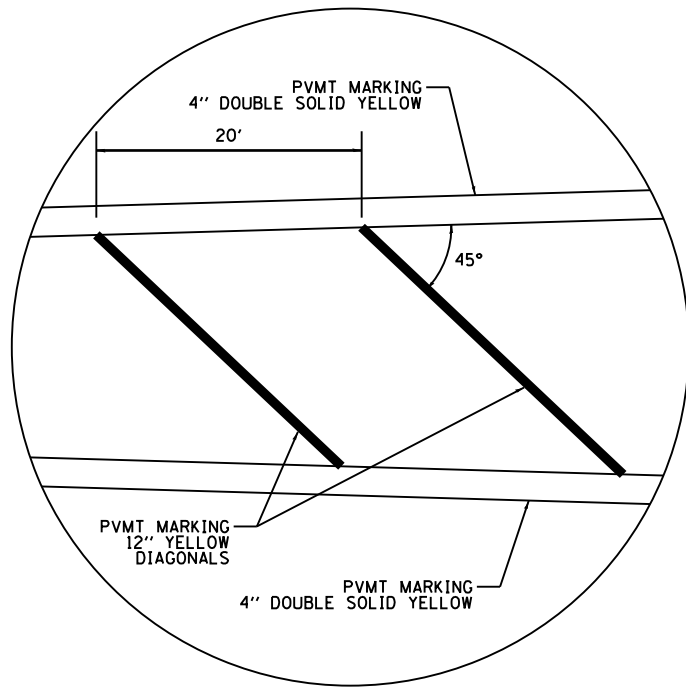


FILE NAME =	USER NAME = mjreker	DESIGNED -	REVISED -
G:\SL14\0005\Road\dgn\076080-PM-303.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

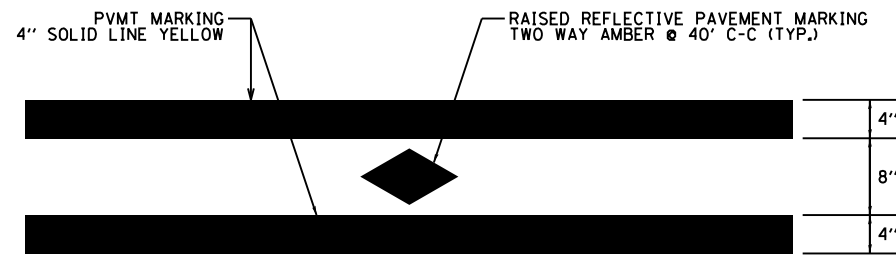
PAVEMENT MARKING PLAN			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	27
F.A.P. RTE 592/F.A.U. RTE 9190		CONTRACT NO. 76080	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			

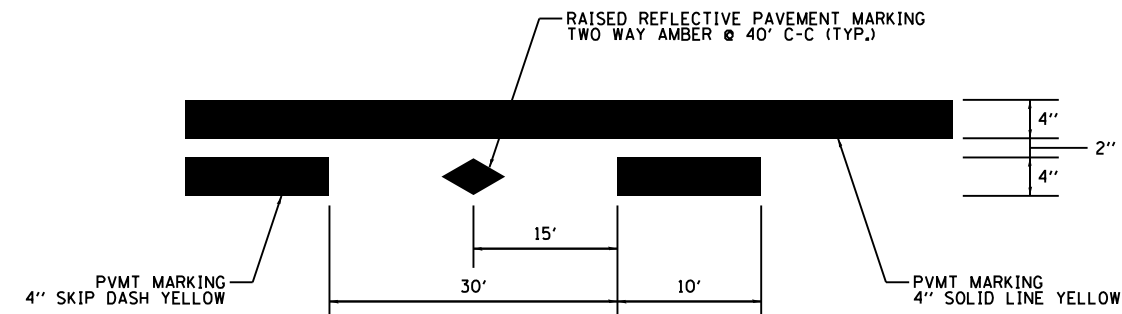


**TYPICAL APPLICATION FOR MEDIAN STRIPING**

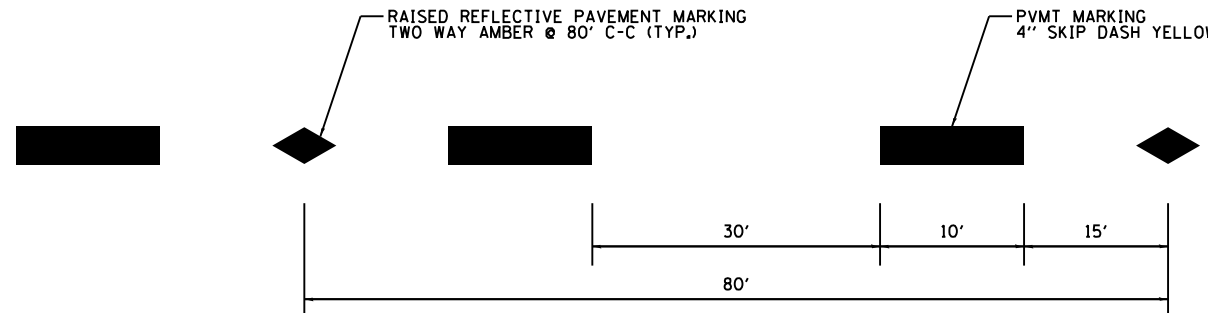
NOT TO SCALE



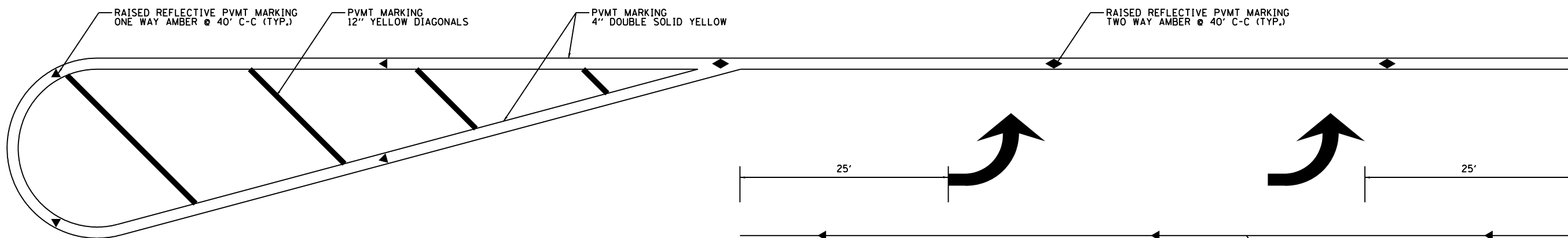
**TYPICAL APPLICATION FOR DOUBLE YELLOW LANE LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS**



**TYPICAL APPLICATION FOR SOLID YELLOW AND SKIP-DASH LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS**



**TYPICAL APPLICATION FOR SKIP-DASH LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS**



**TYPICAL APPLICATION FOR LEFT TURN LANE WITH RAISED REFLECTIVE PAVEMENT MARKERS**

NOT TO SCALE

FILE NAME =	USER NAME = mjreker	DESIGNED -	REVISED -
G:\SL14\0005\Road\dgn\076080-SHT-PMK-DE1.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/5/2014	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

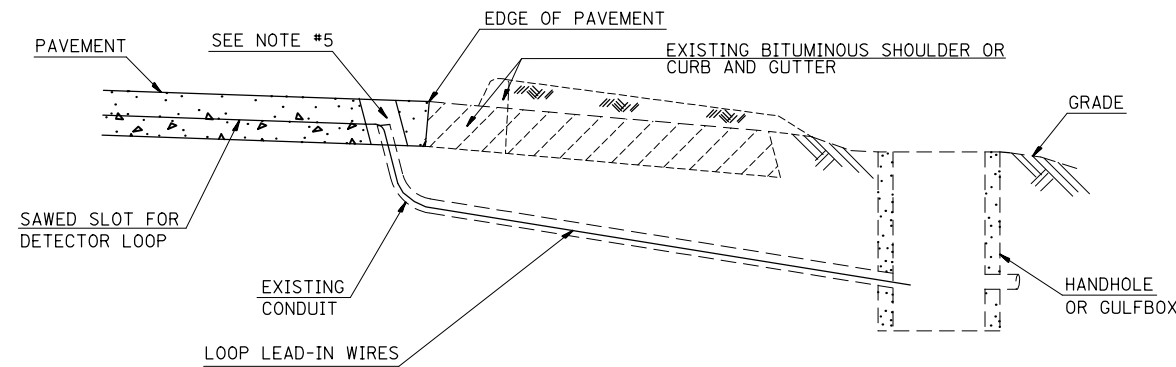
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	28
F.A.P. RTE 592/F.A.U. RTE 9190		CONTRACT NO. 76G80	
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT			

NOTES:

SEE TABLE "DETECTOR LOOP REQUIREMENTS AND CALCULATIONS"  
FOR LOOP SIZE AND CALCULATED NUMBER OF TURNS.

SEE "DETAIL A" FOR INSTALLING DETECTOR LOOP WIRES  
IN EXISTING CONDUITS.

SCHEDULE OF QUANTITIES			TOTAL	IL 157	IL 157	IL 157
CODE NO	ITEM	UNIT	QUANTITIES	& IL 163	& I-255 A-C RAMPS	& I-255 B-D RAMPS
8059400	LOCATING UNDERGROUND CABLE	FOOT	110	40	20	50
8859600	DETECTOR LOOP REPLACEMENT	FOOT	3786	1375	1108	1303



**DETAIL A**  
(NO SCALE)

**INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUIT**

1. DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
2. REMOVE EXISTING DETECTOR LOOP WIRES TO HANDHOLE OR GULFBOX.
3. INSTALL NEW LOOP LEAD-IN WIRES IN EXISTING CONDUIT.
4. SPLICE NEW DETECTOR LOOP WIRES TO EXISTING LOOP LEAD-IN CABLE IN HANDHOLE OR GULFBOX.
5. FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.
6. LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPARATELY.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE  
INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"

DETECTOR LOOP REPLACEMENT LEGEND

- ☒ EX. HANDHOLE
- ⋯ EX. DETECTOR LOOP
- ⊠ EX. TRAFFIC SIGNAL CONTROLLER
- EXISTING CONDUIT
- ▭ PROPOSED DETECTOR LOOP

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP REPLACEMENT PLAN GENERAL NOTES, SCHEDULE OF QUANTITIES, DETAIL AND LEGEND</b>			SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\idot\prestonme\d0355955\d076g80-shd-TS.dgn		DRAWN -	REVISED -					121-1RS-1	ST. CLAIR	32	29
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 76G80			
	PLOT DATE = 6/4/2014	DATE -	REVISED -		SCALE:	SHEET NO. _ OF _ SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

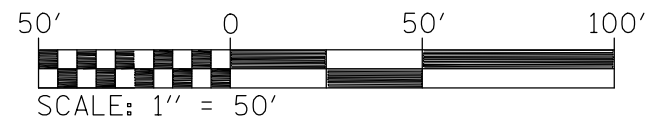
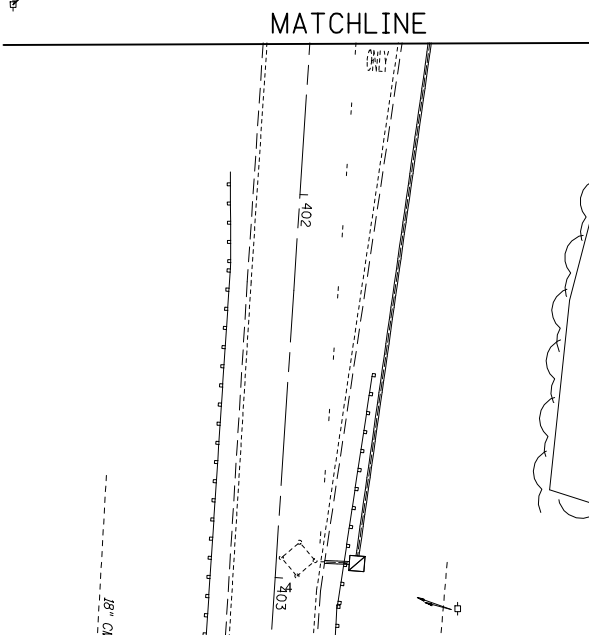
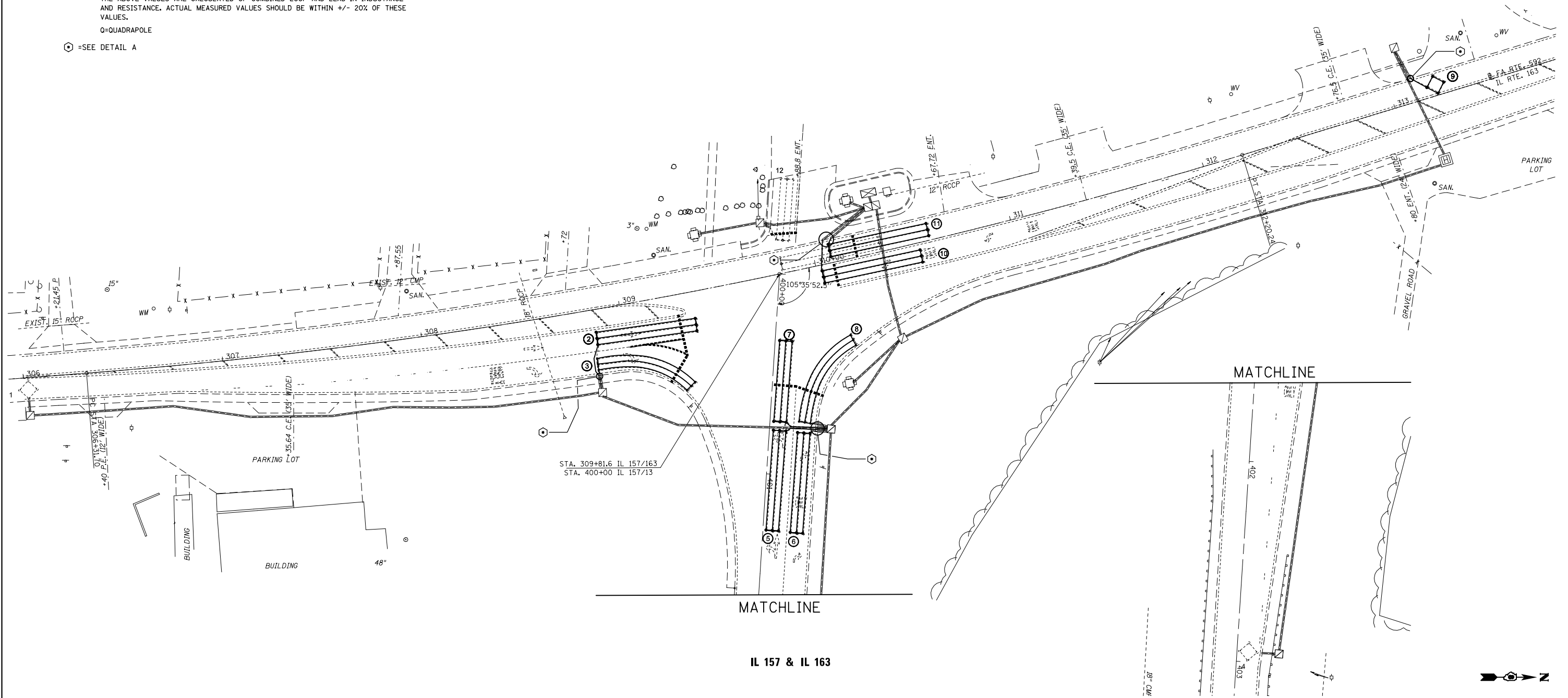
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS  
FOR IL 157 & IL 163

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. NB CCO	2	6 X 6	6	380.5	3.2
2. NB LT CD	2	6 X 50-Q	3-6-3	851.3	3.1
3. NB THRU CD	2	6 X 50-Q	3-6-3	848.5	3.0
4. WB CCO	3	6 X 6	6	339.4	2.3
5. WB LT CD A	3	6 X 50-Q	3-6-3	824.3	2.5
6. WB THRU CD A	3	6 X 50-Q	3-6-3	821.6	2.4
7. WB LT CD B	3	6 X 40-Q	3-6-3	674.5	2.2
8. WB THRU CD B	3	6 X 50-Q	3-6-3	821.6	2.4
9. SB CCO	6	6 X 6	6	357.8	2.7
10. SB LT CD	1	6 X 50-Q	3-6-3	799.9	1.9
11. SB THRU CD	6	6 X 50-Q	3-6-3	796.3	1.8
12. EB THRU CD	4	6 X 30-Q	3-6-3	505.8	1.4

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊙ =SEE DETAIL A



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
et:\pw\work\p\idot\prestonme\d0355955\d076g80-sh-t-TS.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/4/2014	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN

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

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
121-IRS-1	ST. CLAIR	32	30
CONTRACT NO. 76G80			
ILLINOIS FED. AID PROJECT			

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS  
FOR IL 157 & I-255 A-C RAMPS

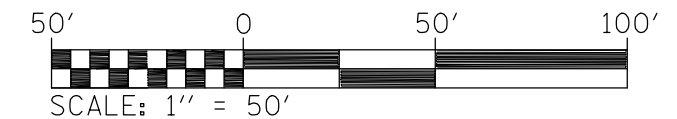
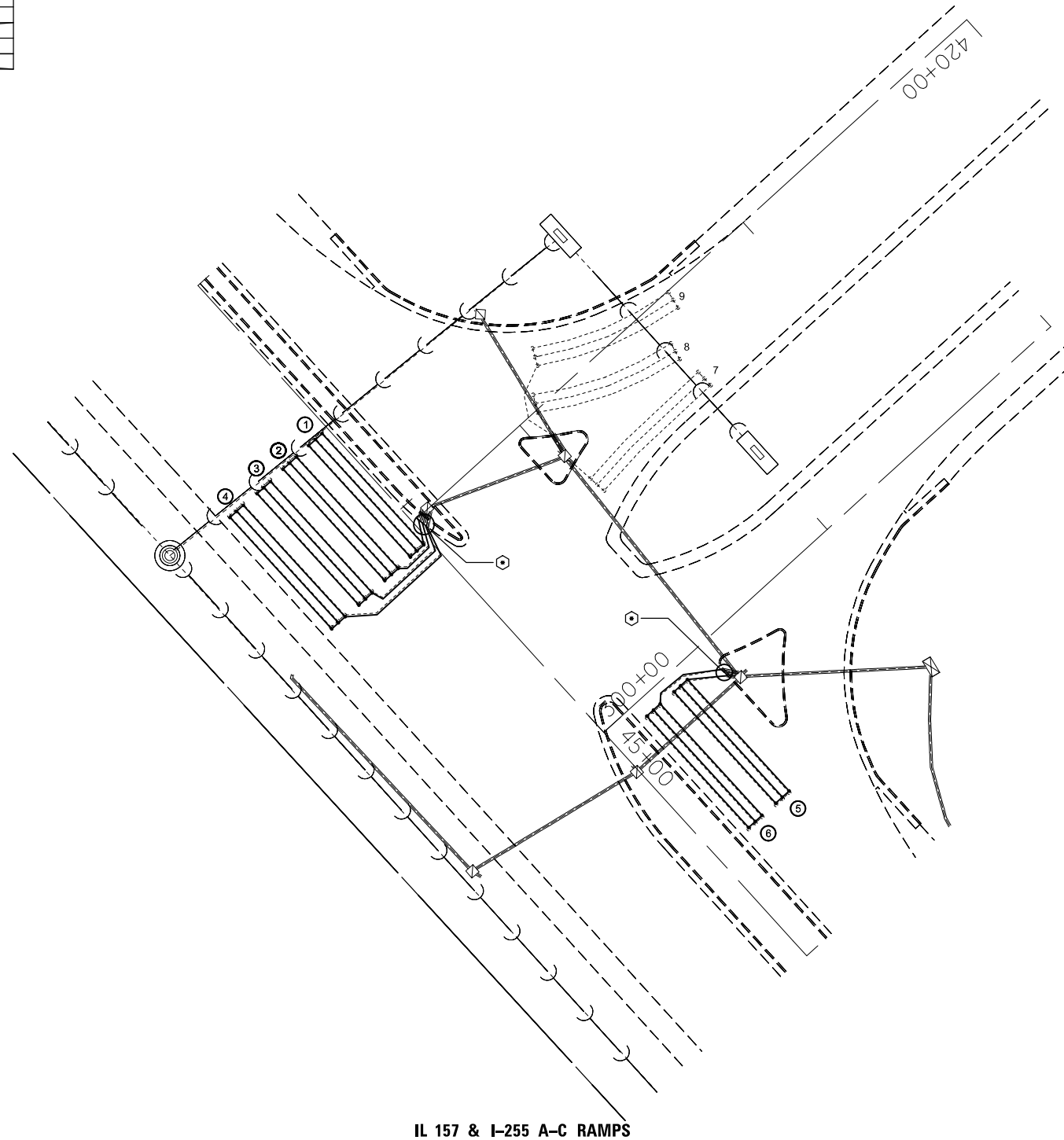
LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB LT CD	1	6 X 50-Q	3-6-3	838.8	2.8
2. EB THRU CD A	6	6 X 50-Q	3-6-3	837.3	2.8
3. EB THRU CD B	6	6 X 50-Q	3-6-3	845.0	2.9
4. EB THRU CD C	6	6 X 50-Q	3-6-3	848.3	3.0
5. WB THRU CD A	2	6 X 50-Q	3-6-3	810.2	2.1
6. WB THRU CD B	2	6 X 50-Q	3-6-3	806.7	2.1
7. NB LT CD	4	6 X 50-Q	3-6-3	838.1	2.8
8. NB RT CD A	O.L.A.	6 X 50-Q	3-6-3	839.5	2.8
9. NB RT CD B	O.L.A.	6 X 50-Q	3-6-3	843.6	2.9

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

⊙ =SEE DETAIL A

NOTE: THIS LOCATION IS PATCHING ONLY. QUANTITIES HAVE BEEN INCLUDED FOR DETECTOR LOOP REPLACEMENT IN THE EVENT THAT THE LOCATIONS OF THE PATCHING DISTURB THE EXISTING LOOPS.



FILE NAME =	USER NAME = prestonm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP REPLACEMENT PLAN</b>		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\idot\prestonm\d0355955\d076g80-sh-t-TS.dgn		DRAWN -	REVISED -				121-IRS-1	ST. CLAIR	32	31
		CHECKED -	REVISED -		CONTRACT NO. 76G80					
		DATE -	REVISED -		SCALE:	SHEET NO. _ OF _ SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS  
FOR IL 157 & I-255 B-D RAMPS

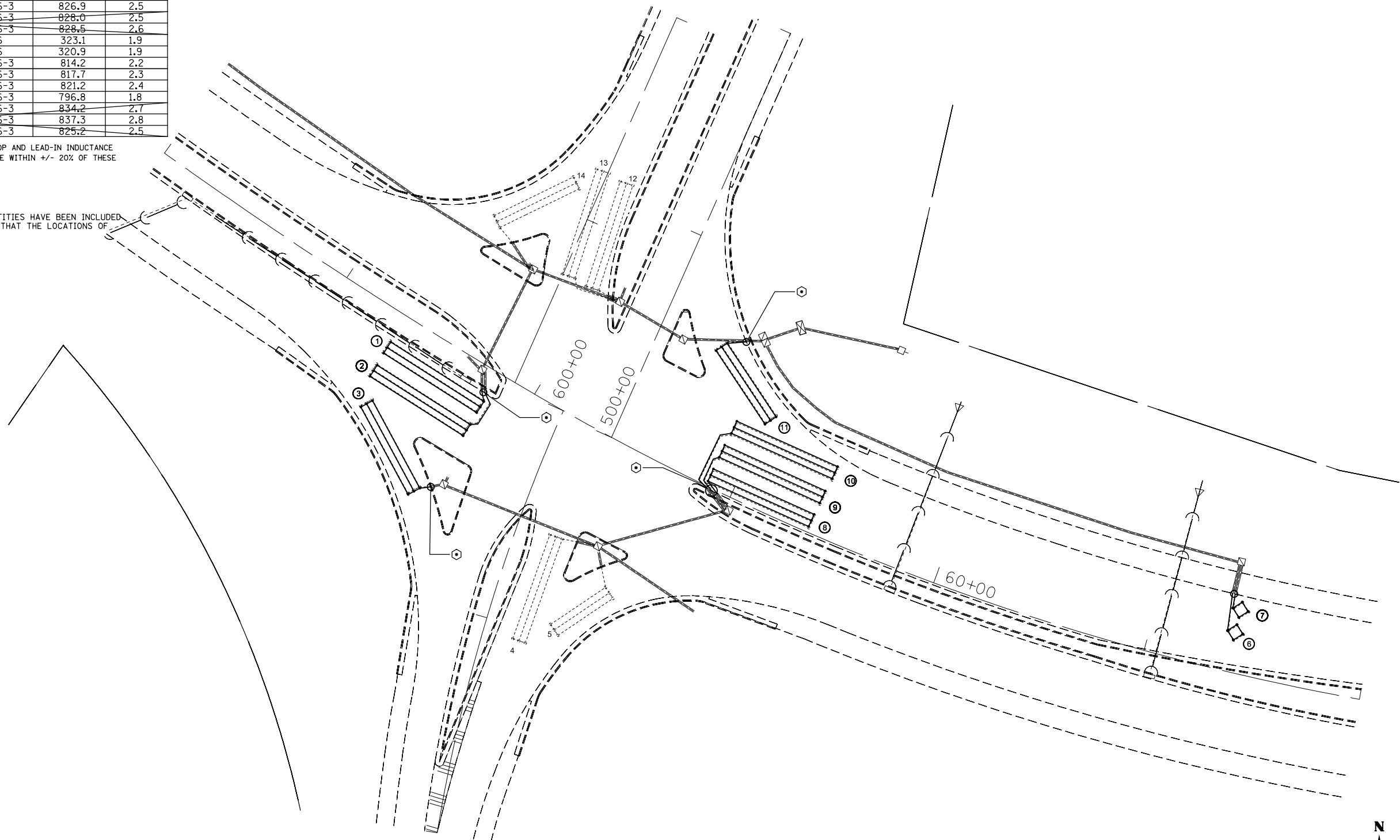
LOOP#	PHASE#	LOOP SIZE (FT. X FT.)	REQUIRED# OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. EB LT CD	6	6 X 50-Q	3-6-3	834.8	2.7
2. EB THRU CD	6	6 X 50-Q	3-6-3	838.6	2.8
3. EB RT CD	6	6 X 50-Q	3-6-3	826.9	2.5
4. NB LT-THRU CD	4	6 X 50-Q	3-6-3	828.0	2.5
5. NB RT CD	4	6 X 50-Q	3-6-3	828.5	2.6
6. WB CCO A	2	6 X 6	6	323.1	1.9
7. WB CCO B	2	6 X 6	6	320.9	1.9
8. WB LT CD	5	6 X 50-Q	3-6-3	814.2	2.2
9. WB THRU CD A	2	6 X 50-Q	3-6-3	817.7	2.3
10. WB THRU CD B	2	6 X 50-Q	3-6-3	821.2	2.4
11. WB RT CD	2	6 X 50-Q	3-6-3	796.8	1.8
12. SB LT CD	3	6 X 50-Q	3-6-3	834.2	2.7
13. SB THRU CD	3	6 X 50-Q	3-6-3	837.3	2.8
14. SB RT CD	3	6 X 50-Q	3-6-3	825.2	2.5

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

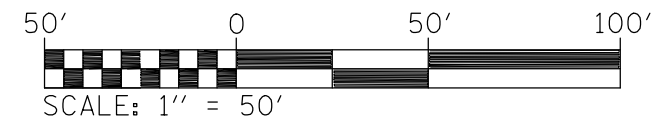
Q=QUADRAPOLE

⊙=SEE DETAIL A

NOTE: THIS LOCATION IS PATCHING ONLY. QUANTITIES HAVE BEEN INCLUDED FOR DETECTOR LOOP REPLACEMENT IN THE EVENT THAT THE LOCATIONS OF THE PATCHING DISTURB THE EXISTING LOOPS.



IL 157 & I-255 B-D RAMPS



FILE NAME =	USER NAME = prestonm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP REPLACEMENT PLAN</b>	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\prestonm\d0355955\d076g80-sht-TS.dgn		DRAWN -	REVISED -			121-IRS-1	ST. CLAIR	32	32
PLOT SCALE = 50.0000' / in.		CHECKED -	REVISED -			CONTRACT NO. 76G80			
PLOT DATE = 6/4/2014		DATE -	REVISED -			ILLINOIS FED. AID PROJECT			
				SCALE:	SHEET NO. _ OF _ SHEETS	STA.	TO STA.		