

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	2	JACKSON	23	1

*(12-3)RS-2,(5-4)RS-3

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**
FAP ROUTE 331 (IL 13)
SECTION (12-3)RS-2,(5-4)RS-3
PROJECT NO. NHF-0331(047)
JACKSON COUNTY

C-99-054-06

FOR INDEX OF SHEETS, SEE SHEET NO. 3

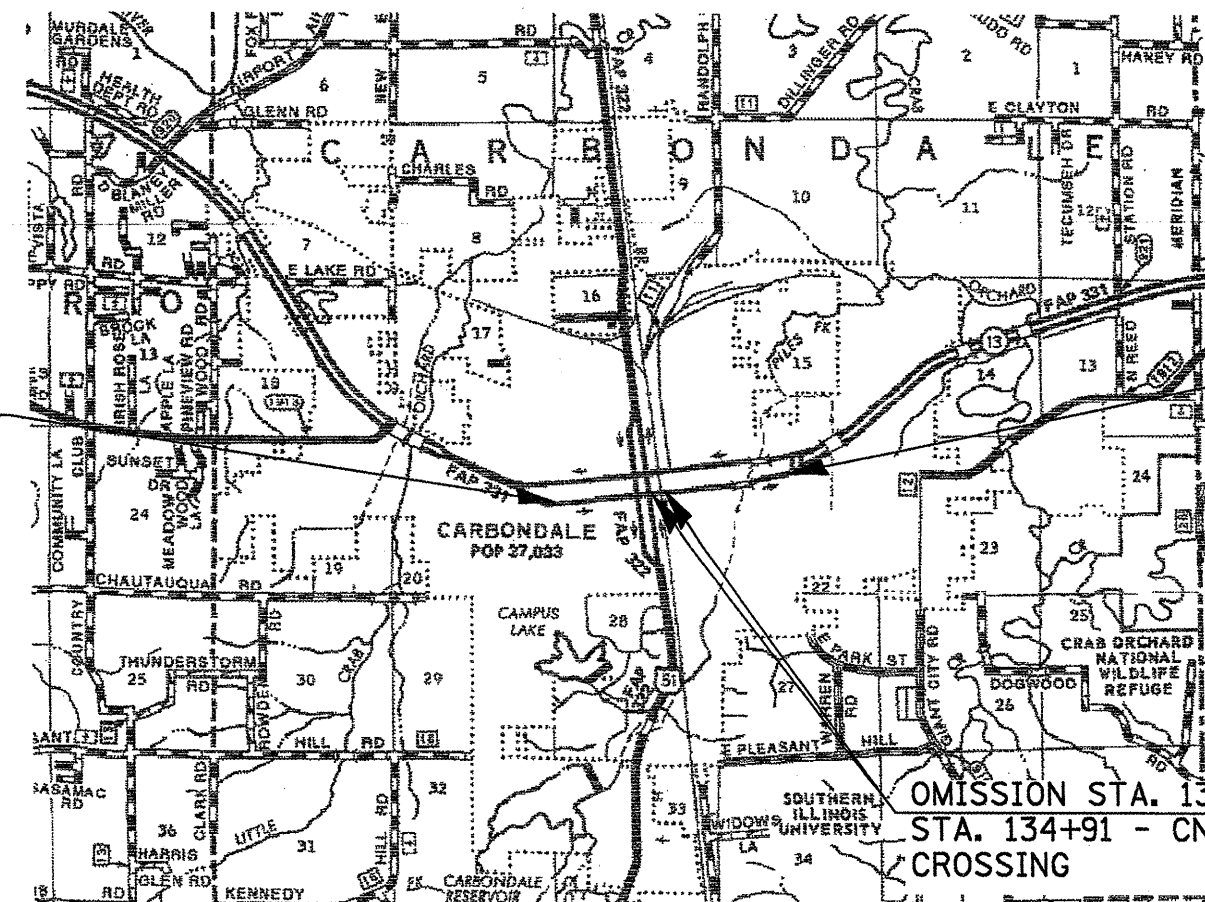
ADT (2007) 23,400

PV = 21,840
MU = 575
SU = 988

D-99-044-06

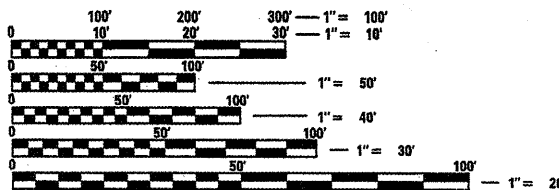


TOWNSHIP: CARBONDALE



PROPOSED IMPROVEMENT
BEGINS FAP 331 (WALNUT ST.)
STA. 100+37 (BUTT JT.)

PROPOSED IMPROVEMENT
ENDS FAP 331 (WALNUT ST.)
STA. 184+65 (BUTT JT.)



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

CONTRACT NO. 98985

NET LENGTH: 8389 FT. = 1.588 MILES
GROSS LENGTH: 8428 FT. = 1.596 MILES

OMISSION STA. 134+52 TO
STA. 134+91 - CN RAILROAD
CROSSING

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Nov 20 20 08
Mar Chami
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

January 30 20 09
Charles J. Engersoll / RD
ENGINEER OF DESIGN AND ENVIRONMENT

January 30 20 09
Christine M. Reed / RD
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	23	3
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	

• (12-3)RS-2,(4-5)RS-3

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS AND HIGHWAY STANDARDS, STRUCTURE RATINGS, PAVEMENT INVESTIGATION
4	GENERAL NOTES; MIXTURE REQUIREMENTS
5	SUMMARY OF QUANTITIES
6 - 10	TYPICAL SECTIONS
11	SCHEDULE FOR MAINLINE AND SIDE ROAD RESURFACING
12	SCHEDULE FOR PAVEMENT MARKING
13	LOCATION MAP FOR FAP 331 (IL 13 EASTBOUND/WALNUT ST.) FROM OAKLAND AVE. TO LEWIS LANE IN CARBONDALE
14 - 19	PLAN LAYOUT SHEETS - FAP 331 (IL 13/WALNUT ST.)
20	DETAILS: BUTT JT AT BEGINNING AND ENDING OF PROJECT
21	DETAIL: BUTT JOINTS AT RAILROAD CROSSING
22	STANDARD DETAILS - TEMP. HOT-MIX ASPHALT TRANSITIONS
23	STANDARD DETAILS - ROUGH GROOVED SURFACE SIGN; UNEVEN LANE SIGN

STRUCTURE RATINGS

STRUCTURE NO.	INV. RATING	OPER. RATING	SUFF. RATING
IL 13 EBL (WALNUT ST.) - STA. 164+90			
039-2009	25.0	36.1	83.7

PAVEMENT INVESTIGATION
ON IL 13/WALNUT ST.

LOCATION	LANE	DEPTH OF PAVEMENT
BETWEEN JAMES ST. AND FOREST ST.		
STA. 105+00	LEFT	12.25" Asphalt over soil
STA. 105+00	CENTER	12.25" Asphalt over soil
STA. 105+00	RIGHT	2.25" Asphalt over 6" Conc. over Agg.
BETWEEN MARION ST. AND LOGAN ST.		
STA. 145+00	LEFT	12.25" Asphalt over soil
STA. 145+00	CENTER	14.5" Asphalt over soil
STA. 145+00	RIGHT	2.75" Asphalt over 10" Conc. over Agg.
BETWEEN WALL ST. AND DORTHELLA ST.		
STA. 160+00	LEFT	2" Asphalt over 10" PCC over 3" BAM
STA. 160+00	CENTER	2" Asphalt over 10" PCC over 3" BAM
STA. 160+00	RIGHT	2" Asphalt over 10" PCC over 3" BAM

HIGHWAY STANDARDS

000001-05	780001-02
442201-03	886001-01
701601-06	886006-01
701701-06	
701901-01	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	23	4
STA.		TO STA.		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

• (12-3)RS-2,(4-5)RS-3

GENERAL NOTES

THE THICKNESS OF 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.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES EXCEPT FOR QC/QA OF BITUMINOUS MIXTURES:

- ALL HOT-MIX ASPHALT.....2.016 TONS/CU.YD.
- ALL AGGREGATE.....2.05 TONS/CU.YD.
- BITUMINOUS MATERIALS (PRIME COAT)
 - ON PAVEMENT.....0.09 GALS./SQ. YD.
 - ON AGG. SURFACE.....0.32 GALS./SQ. YD.
- AGGREGATE (PRIME COAT).....0.0015 TONS/SQ. YD.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS WAS BASED ON ONE APPLICATION EACH FOR THE PRIME COAT, SURFACE COURSE AND LEVELING BINDER.

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS, THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

THE CONTRACTOR SHALL STAMP STATIONING IN THE PROPOSED BITUMINOUS MATS AT 300 FT. INTERVALS ON ALTERNATING SIDES OF THE PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2" TALL OF A DESIGN APPROVED BY THE ENGINEER AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, HOT-MIX ASPHALT RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THAT A LANE EDGE IS EXPOSED TO TRAFFIC.

NIGHT WORK WILL NOT BE ALLOWED ON IL 13 (WALNUT ST.) FROM OAKLAND AVE. TO UNIVERSITY AVE.

QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT OF PATCHING REQUIRED SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE SAWED JOINTS AT THE BEGINNING, END, AT THE OLD IL 13 CONNECTOR AND AT THE RAILROAD OMISSION SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4".

THE FURNISHING AND INSTALLATION OF THE 1 1/4" CONDUIT WITH ITS TRENCHING AND BACKFILL FROM THE LOOP TO THE SPLICE POINT SHALL BE INCLUDED IN THE LOOP INSTALLATION COST UNLESS SHOWN OTHERWISE ON THE PLANS.

CABLE QUANTITIES ARE MEASURED IN PLAN VIEW.

THE LOCATION OF THE DETECTOR LOOPS, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER OF TRAFFIC OPERATIONS.

WHEN SETTING UP TRAFFIC CONTROL, CONTRACTOR SHOULD BE AWARE OF 2 LEFT TURN LANES TURNING FROM UNIVERSITY AVE. ON TO WALNUT ST. AND 2 LEFT TURN LANES TURNING FROM ILLINOIS AVE. ON TO WALNUT ST.

EXISTING DETECTOR LOOPS ON SIDE STREETS SHALL NOT BE DISTURBED. ANY LOOPS CUT OR DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND AT NO CHARGE TO THE STATE.

ALL DETECTOR LOOPS SHALL BE INSTALLED PRIOR TO RESURFACING.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC OPERATIONS 72 HOURS PRIOR TO THE SHUT-DOWN OR CUTTING OF EXISTING DETECTOR LOOPS.

COMMITMENTS:
THE CITY OF CARBONDALE WILL PARTICIPATE IN THE MILLING AND SURFACING OF EXISTING PARKING LANE FROM LT. STA. 100+74 TO LT. STA. 127+27. SEE THE SUMMARY OF QUANTITIES SHEET FOR QUANTITY BREAKDOWN.

MIXTURE REQUIREMENTS SHALL BE PREPARED AS DIRECTED BELOW:

FOR IL. 13 (WALNUT ST.) MAINLINE SURFACE COURSE:

Mixture Use(s):	Polymerized Hot-Mix Asphalt Surface Course, Mixture E, N105
AC/PG:	SBS PG76-22
RAP % (Max.):	0
Design Air Voids:	4.0%, 105 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm or IL-12.5 mm
Friction Aggregate:	E Surface

FOR IL. 13 (WALNUT ST.) MAINLINE LEVELING BINDER:

Mixture Use(s):	Polymerized Hot-Mix Asphalt Surface Course, Mixture C, N105
AC/PG:	SBS PG76-22
RAP % (Max.):	0
Design Air Voids:	4.0%, 105 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm or IL-12.5 mm
Friction Aggregate:	None

FOR ILLINOIS AVE. AND UNIVERSITY AVE.: INCIDENTAL HMA SURFACE

Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mixture C, N90
AC/PG:	PG64-22
RAP % (Max.):	10
Design Air Voids:	4.0%, 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5mm or IL-12.5 mm
Friction Aggregate:	C Surface

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 USER NAME = masondu

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	23	5
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

• (12-3)RS-2,(4-5)RS-3

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	URBAN	
				FAP 331 (IL 13)	FAP 331 (IL 13) PARKING LANE
				80% FED / 20% STATE JACKSON COUNTY	100% CARBONDALE JACKSON COUNTY
				1000 QUANTITY	1000 QUANTITY
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	6,582	6449	133
40600300	AGGREGATE (PRIME COAT)	TON	108	106	2
40600855	POLYMERIZED LEVELING BINDER (MACHINE METHOD),N105	TON	1,536	1474	62
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	
40600990	TEMPORARY RAMP	SQ YD	227	227	
40603575	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIXTURE ^{DE} , N105	TON	3,072	2948	124
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	47	47	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	36,939	35464	1475
44200152	PAVEMENT PATCHING, TYPE I, 13 INCH	SQ YD	25	25	
44200156	PAVEMENT PATCHING, TYPE II, 13 INCH	SQ YD	515	515	
44200162	PAVEMENT PATCHING, TYPE IV, 13 INCH	SQ YD	76	76	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2	
67100100	MOBILIZATION	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	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2	2	
70300100	SHORT- TERM PAVEMENT MARKING	FOOT	2,091	2091	
70300210	TEMPORARY PAVEMENT MARKING- LETTERS ^{AND} SYMBOLS	SQ FT	409.4	409.4	
70300220	TEMPORARY PAVEMENT MARKING- LINE 4"	FOOT	5,397.0	5,264.0	133
70300240	TEMPORARY PAVEMENT MARKING- LINE 6"	FOOT	1,197.0	1,197.0	
70300260	TEMPORARY PAVEMENT MARKING- LINE 12"	FOOT	220.0	220.0	
70300280	TEMPORARY PAVEMENT MARKING- LINE 24"	FOOT	359.0	359.0	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2,471.0	2,427.0	44
* 78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS ^{AND} SYMBOLS	SQ FT	409.4	409.4	
* 78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	5,397.0	5,264.0	133
* 78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	1,197.0	1,197.0	
* 78004250	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"	FOOT	220.0	220.0	
* 78004280	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	FOOT	359.0	359.0	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	232.0	232.0	
* 88600100	DETECTOR LOOP, TYPE I	FOOT	620	620	

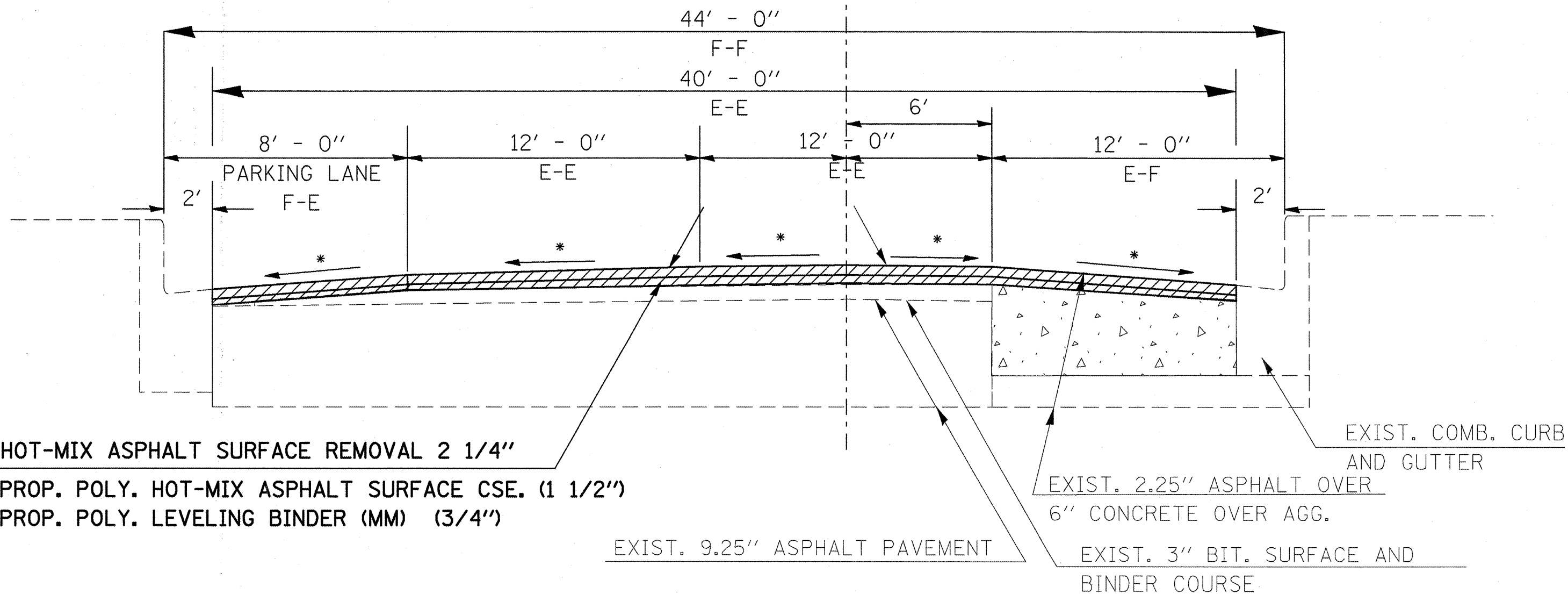
*Specialty Items

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F.A.B. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	23	6
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

• (12-3)RS-2,(4-5)RS-3

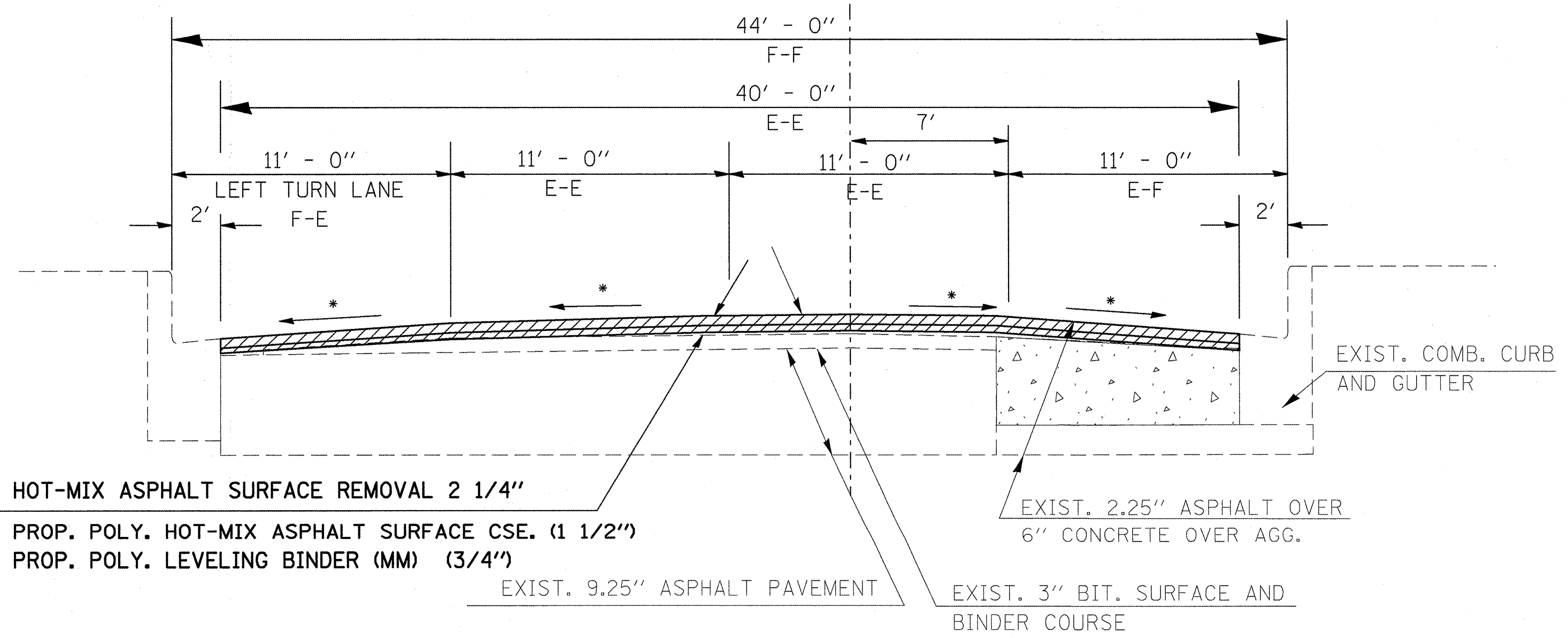
☉ FAP 331
(IL 13-WALNUT ST.)



TO BE USED:
STA. 100+37 (BUTT JT. AT OAKLAND AVE.) TO STA. 127+69.67 (UNIVERSITY AVE.)

CONTRACT NO. 98985				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	23	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (12-3)RS-2,(14-5)RS-3				

☉ FAP 331
(IL 13-WALNUT ST.)



HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"
 PROP. POLY. HOT-MIX ASPHALT SURFACE CSE. (1 1/2")
 PROP. POLY. LEVELING BINDER (MM) (3/4")

EXIST. 9.25" ASPHALT PAVEMENT

EXIST. 3" BIT. SURFACE AND BINDER COURSE
 EXIST. 2.25" ASPHALT OVER 6" CONCRETE OVER AGG.

* MATCH EX. SLOPE

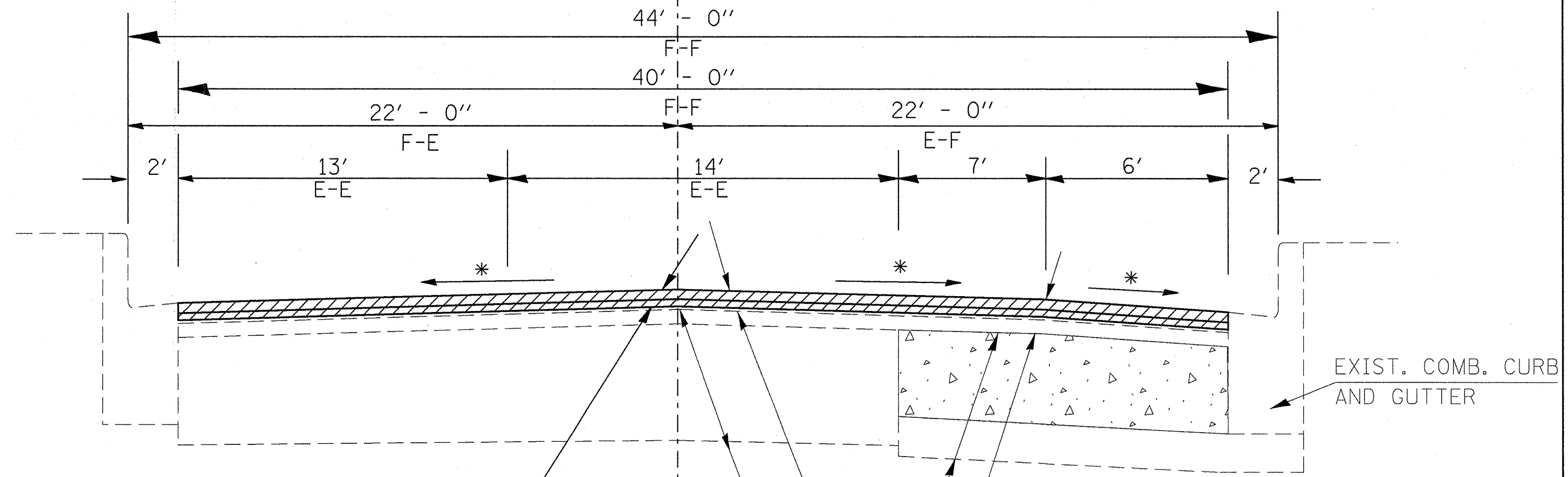
TO BE USED:
 STA. 127+69.67 (UNIVERSITY AVE.) TO STA. 134+52 (RR XING BUTT JT.)
 RAILROAD OMITTED FROM STA. 134+52 TO STA. 134+91

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CONTRACT NO. 98985				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	23	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• (12-3)RS-2,(4-5)RS-3

☐ FAP 331
(IL 13-WALNUT ST.)



HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"
 PROP. POLY. HOT-MIX ASPHALT SURFACE CSE. (1 1/2")
 PROP. POLY. LEVELING BINDER (MM) (3/4")

EXIST. 9.25" (LEFT LANE) TO
 11.5" (CENTER LANE) ASPHALT
 PAVEMENT OVER SOIL

EXIST. 2" BIT. SURFACE AND
 BINDER COURSE

EXIST. 2.75" ASPHALT
 10" CONCRETE OVER AGGREGATE

EXIST. COMB. CURB
 AND GUTTER

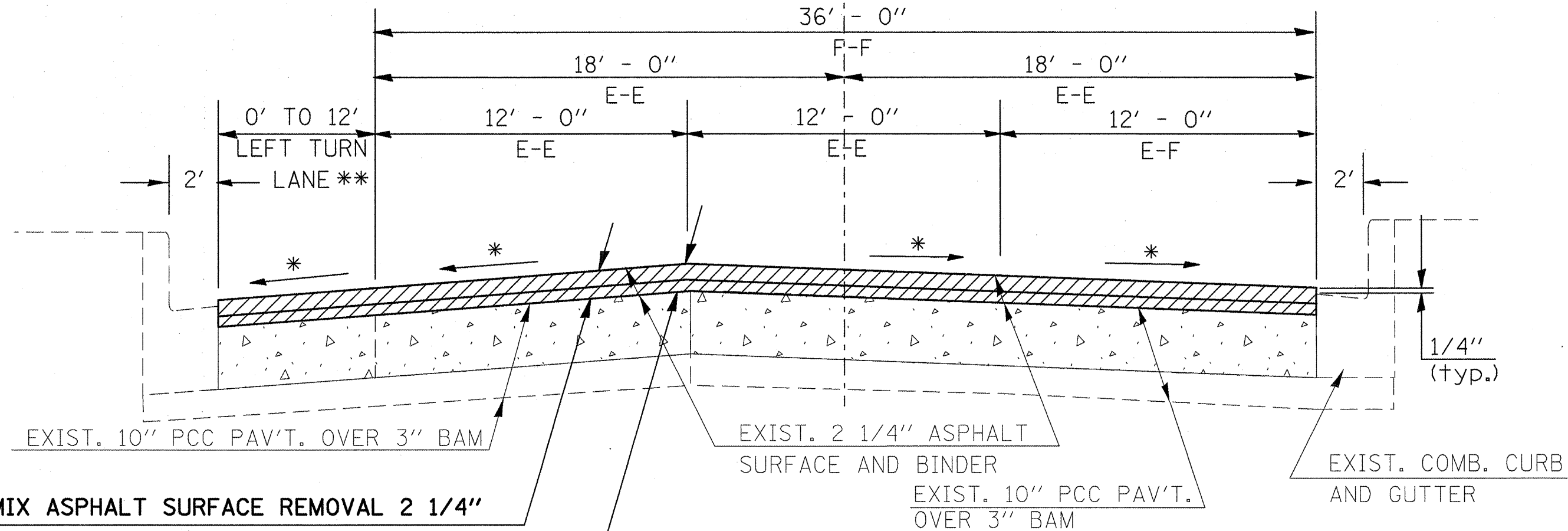
* MATCH EX. SLOPE
 TO BE USED:
 STA. 134+91 (RR XING BUTT JT.) TO STA. 156+48 (WALL ST.)

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	23	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

• (12-3)RS-2,(4-5)RS-3

☉ FAP 331
(IL 13-WALNUT ST.)



TO BE USED:

STA. 156+48 (WALL ST.) TO STA. 184+65 (LEWIS LN.)

** STA. 181+00 TO STA. 184+65 BUTT JT. (LEFT TURN LANE LOCATION)

* MATCH EX. SLOPE

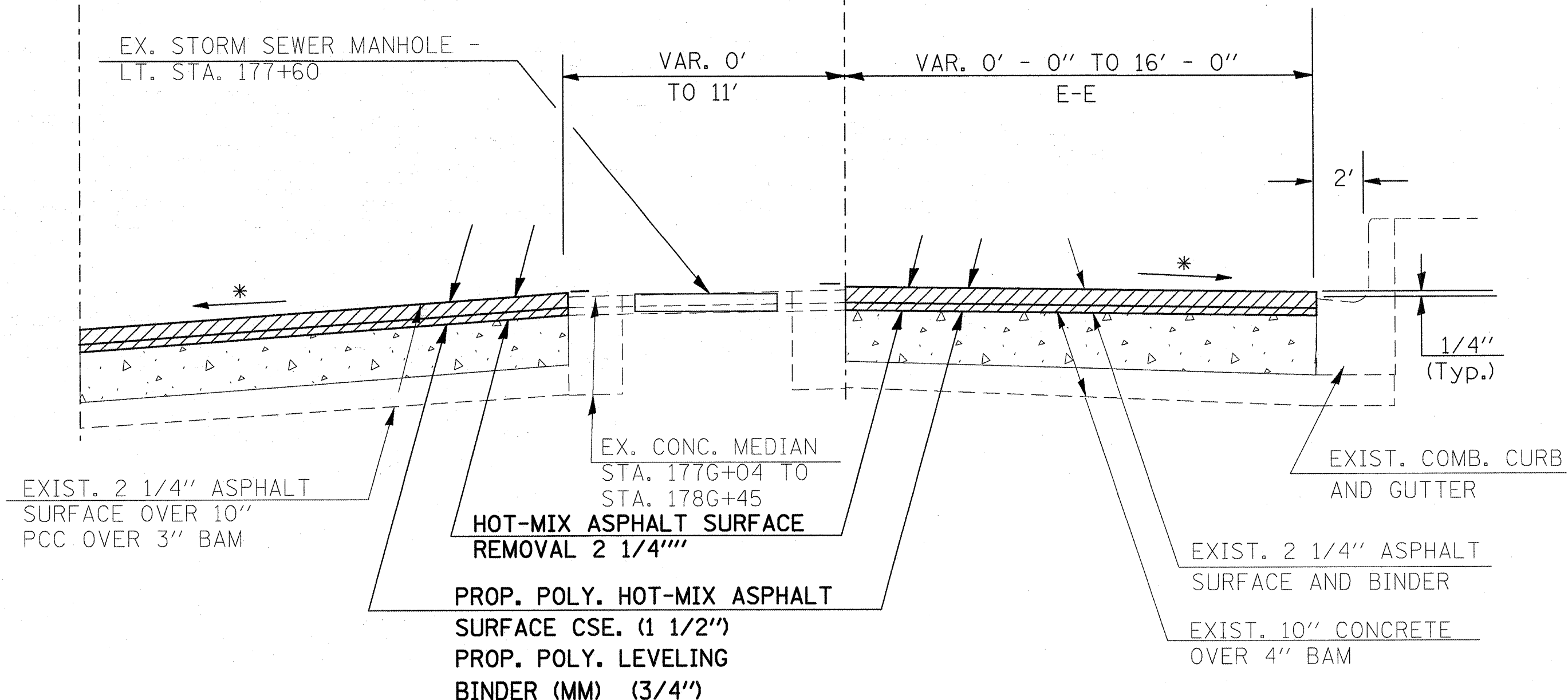
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	•	JACKSON	23	10
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

• (12-3)RS-2,(4-5)RS-3

☉ FAP 331
(IL 13-WALNUT ST.)

☉ OLD IL 13 CONNECTOR
(WALNUT ST.)



* MATCH EX. SLOPE

TO BE USED:
RT. STA. 173G+56.84 TO RT. STA. 178G+50
(EX. CONC. MEDIAN AND
OLD IL 13 CONNECTOR LANE)

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	23	11
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

• (12-3)RS-2,(4-5)RS-3

RESURFACING SCHEDULE

LOCATION	STATION TO STATION		LENGTH	ROADWAY WIDTH	ROADWAY AREA	HOT-MIX ASP. SURF. REM. 2 1/4"	TEMPORARY RAMP	POLY. HOT-MIX ASP. SUR. CSE., MIX E, N 105	POLY. LEVEL. BINDER (MM) N105	POLY. BIT. MAT. (PRIME COAT)	AGG. (PRIME COAT)	NOTES	
			FOR INFORMATIONAL PURPOSE ONLY			(SQ YD)	(SQ YD)	(TON)	(TON)	(GAL)	(TON)		
			(FT)	(FT)	(SQ YD)	(SQ YD)	(SQ YD)	(TON)	(TON)	(GAL)	(TON)		
MAINLINE - STA. 100+37 TO STA. 127+69.67 (INLAY)													
	100+37.00	TO	127+69.67	2732.7	34.0	10323.4	10323	19	867	434	1858.2	31.0	
	127+69.67	TO	134+52.00	682.3	40.0	3032.6	3033		255	127	545.9	9.1	
	134+52.00		RR Xing					22					
	134+52.00	TO	134+91.00					RAILROAD OMISSION STA. 132+82 TO STA. 136+72					
	134+91.00		RR Xing					22					
	134+91.00	TO	156+48.00	2157.0	40.0	9586.7	9587		805	403	1725.6	28.8	
	156+48.00	TO	181+00.00	2452.0	36.0	9808.0	9808		824	412	1765.4	29.4	
RT	1740+37	TO	1780+50	413.0	0' to 16'	506.0	506	9	43	21	182.2	1.6	Old IL 13 Conn.
	181+00.00	TO	182+66.00	166.0	36 - 48	775.0	775		65	33	139.6	2.4	Includes LTL
	182+66.00	TO	184+65.00	199.0	48.0	1061.3	1061	27	89	45	191.0	3.2	Includes LTL
SUB-TOTALS						35093	99	2948	1474	6408	105		
PARKING LANES WITH BOULEVARD EXTENSIONS OMITTED													
LT	100+74.00	TO	102+78.00	204.0	6.0	139	139		12	6	12.5	0.2	
LT	103+32.00	TO	106+60.00	328.0	6.0	223	223		19	9	20.1	0.3	
LT	107+43.00	TO	108+65.00	122.0	6.0	120	120		10	5	10.8	0.2	
LT	110+03.00	TO	111+77.00	174.0	6.0	120	120		10	5	10.8	0.2	
LT	113+17.00	TO	116+74.00	357.0	6.0	242	242		20	10	21.8	0.4	
LT	117+84.00	TO	127+27.00	943.0	6.0	631	631		53	27	56.8	0.9	
SUB-TOTALS						1475	0	124	62	133	2		
PROJECT TOTALS						36568	99	3072	1536	6541	108		

SIDE ROAD RESURFACING SCHEDULE

NAME	STATION	SURFACE TYPE	WIDTH AT EDGE OF PAVEMENT	DISTANCE TO END OF SURFACING	WIDTH AT END OF SURFACING	SURFACE AREA	TEMP RAMP	POLY BIT MATERIAL (PR CT)	AGGREGATE (PR CT)	INCIDENTAL HMA SURFACE
			(FT)	(FT)	(FT)	(SQ YD)	(SQ YD)	(GAL)	(TON)	(TON)
FAP 331 (IL 13/WALNUT ST.)										
University Ave.	Lt. 127+69+67	b1+	74	17.5	34	87	31	7.8	0.13	11
University Ave.	Rt. 127+69+67	b1+	80				44			
Illinois Ave.	Lt. 132+41	b1+	62				34			
Illinois Ave.	Rt. 132+41	b1+	80	67	33	284	19	25.6	0.43	36
TOTALS							128	33	0.56	47

PLOT DATE = 12/14/2008
 FILE NAME = n:\pavement\resurfacing\resurfacing\resurfacing.dwg
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 USER NAME = mcorcoran

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	23	12
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

PAVEMENT MARKING SCHEDULE

• (12-3)RS-2,(4-5)RS-3

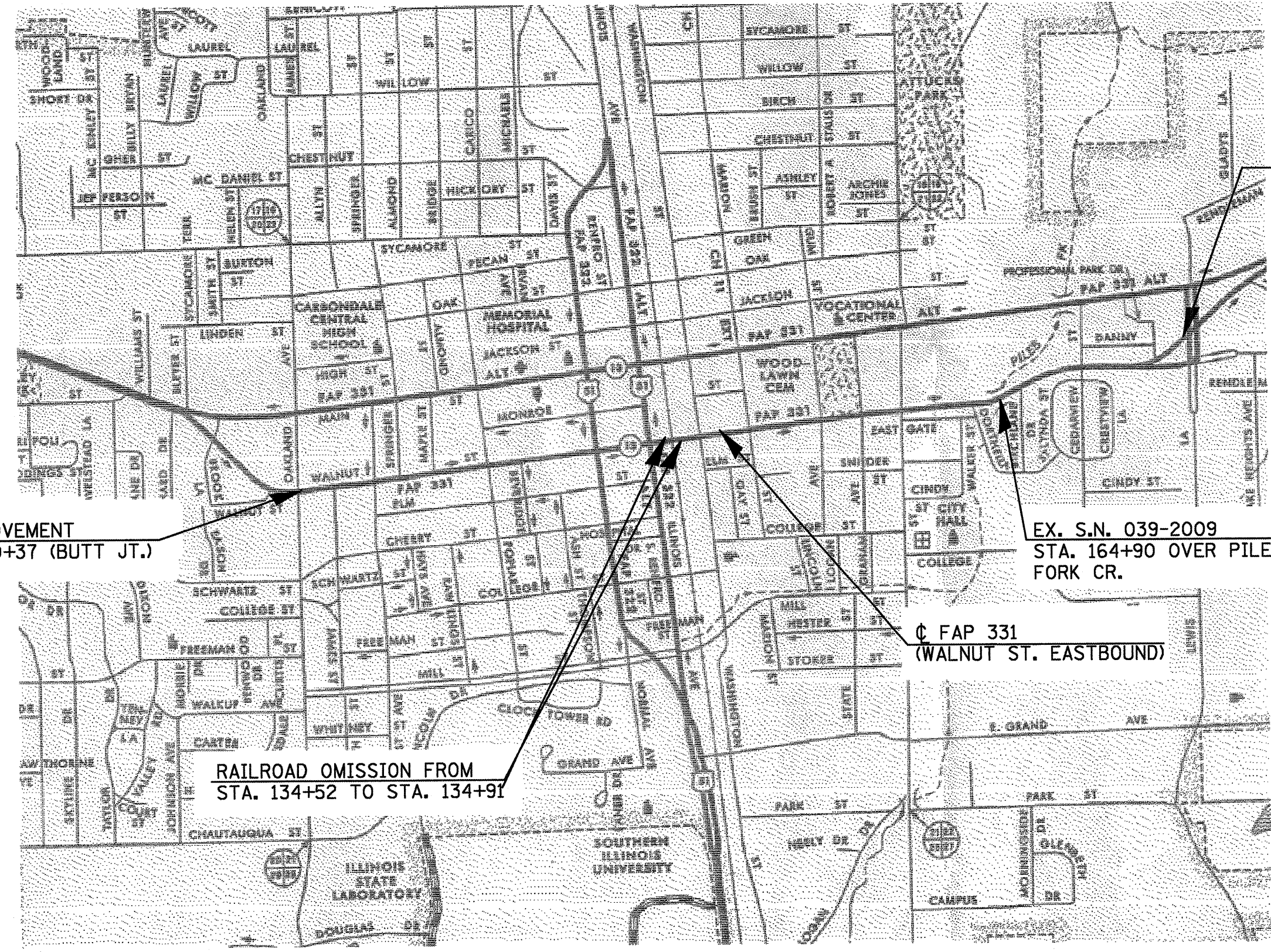
STATION TO STATION	PERFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID						PERFORMED PLASTIC PAVEMENT MARKING, TYPE B	TEMPORARY					NOTES		
	4 INCH WHITE	4 INCH YELLOW	4 INCH SKIP-DASH	6 INCH WHITE	12 INCH WHITE	24 INCH WHITE	LETTERS & SYMBOLS WHITE	4 INCH	6 INCH	12 INCH	24 INCH	LETTERS & SYMBOLS			
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	SQ FT	SQ FT			
MAINLINE: Sta. 100+37 to Sta. 184+75															
	100+37.0	TO	127+69.7						1,366						
	127+69.7	TO	134+52.0			110			341		110				
Railroad Crossing at Sta. 134+52 to Sta. 134+91															
	134+91.0	TO	156+60.0				110		1,085		110				
	156+60.0	TO	181+00.0						1,220						
	181+00.0	TO	182+66.0						83						
	182+66.0	TO	184+65.0						100						
Left	128+03.0	TO	132+03.0						400.0				Turn Lane Line		
Left	182+66.0	TO	184+65.0						199.0				Turn Lane Line		
Right	176+40.0	TO	178+50.0						420.0				Old IL 13 Connector		
	115+09.0								26.0				2 Arrow Combo		
	116+49.0								26.0				2 Arrow Combo		
	116+49.0								11.5				Thru Arrow		
	117+14.0					34.0					34.0		Stop Bar		
	117+20.0				95.0					95.0			Crosswalk		
	117+68.0				95.0					95.0			Crosswalk		
	127+27.0					40.0					40.0		Stop Bar		
LEFT	127+48.0	TO	127+92.0						80.0				Crosswalk		
	127+33.0								96.0				Crosswalk		
	127+9+87.0								95.0				Crosswalk		
LEFT	128+23.0								20.8				"ONLY"		
LEFT	128+51.0								15.6				Left Turn Arrow		
LEFT	131+47.0								20.8				"ONLY"		
LEFT	131+75.0								15.6				Left Turn Arrow		
	132+03.0					40.0					40.0		Stop Bar		
	132+03.0								97.0				Crosswalk		
RIGHT	132+17.0	TO	132+67.0						80.0				Crosswalk		
RIGHT	132+39.0				48.0						48.0		Lane Line		
RIGHT	132+41.0	TO	132+80.0			50.0					50.0		Rt Turn Ln Line		
RIGHT	132+45.0								26.0				2 Arrow Combo		
RIGHT	132+50.0				48.0						48.0		Lane Line		
RIGHT	132+57.0								15.6				Right Turn Arrow		
	132+63.0				119.0					119.0			Crosswalk		
	133+11.0					40.0					40.0		Railroad Stop Bar		
	133+58.0								21.6				6 - "R" for RR'ing		
	133+58.0								162.0				3- "X" for RR'ing		
	133+61.0								40.0		40.0		Railroad Stop Bar		
	134+36.0								40.0		40.0		Railroad Stop Bar		
	136+60.0								40.0		40.0		Stop Bar		
	136+66.0								88.0		88.0		Crosswalk		
	137+26.0								88.0		88.0		Crosswalk		
	142+48.0								88.0		88.0		Crosswalk		
	143+04.0								88.0		88.0		Crosswalk		
	155+42.0										40.0		Stop Bar		
	155+48.0					40.0				88.0			Crosswalk		
LEFT	184+00.0								20.8				"ONLY"		
LEFT	184+28.0								15.6				Left Turn Arrow		
LEFT	184+28.0								11.5				Thru Arrow		
	184+60.0												Stop Bar		
MAINLINE SUB-TOTALS				1,115	0	4,245	1197	220	359	409.4	5360	1197	220	359	409.4
PARKING LANE: LT. STA. 125+77 TO LT. STA. 127+27															
LEFT	102+31										54.0			Parking Lane Marks	
LEFT	105+47										27.0			Parking Lane Marks	
LEFT	125+77.0	TO	125+37.0								21.0			Parking Lane Marks	
LEFT	125+37.0	TO	126+86.0			24.0					24.0			Parking Lane Marks	
LEFT	127+27.0										7.0			Parking Lane Marks	
PARKING LANE SUB-TOTALS				24.0	109.0	0	0.0	0.0	0.0	0.0	133	0	0	0	0.0
SUB-TOTALS				1,139.0	109.0	4,244.5	1,197.0	220.0	359.0	409.4	5493	1,197.0	220.0	359.0	409.4
TOTALS				5,493			1,197.0	220.0	359	409.4	5493	1,197	220	359	409.4

PLOT DATE = 12/1/2008
 FILE NAME = c:\pave\work\macedor\macedor.dwg
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = macedor

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	23	13
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

• (12-3)RS-2,(4-5)RS-3

LOCATION MAP
 FAP 331 EASTBOUND (WALNUT ST.)
 CARBONDALE



PROPOSED IMPROVEMENT
 BEGINS STA. 100+37 (BUTT JT.)

PROPOSED IMPROVEMENT
 ENDS STA. 184+65
 (BUTT JT.)

EX. S.N. 039-2009
 STA. 164+90 OVER PILES
 FORK CR.

☐ FAP 331
 (WALNUT ST. EASTBOUND)

RAILROAD OMISSION FROM
 STA. 134+52 TO STA. 134+91

DATE = 12/1/2009
 USER = mcoomb
 USER NAME = mcoomb

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	23	14
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

• (12-3)RS-2,(4-5)RS-3

NOTES

THE CITY OF CARBONDALE WILL PARTICIPATE IN FUNDING THE RESURFACING OF EX. PARKING LANE FROM LT. STA. 100+74 TO LT. STA. 127+27.

THE SALUKI PAW PRINTS PAVEMENT MARKINGS SHALL BE REPLACED BY OTHERS.

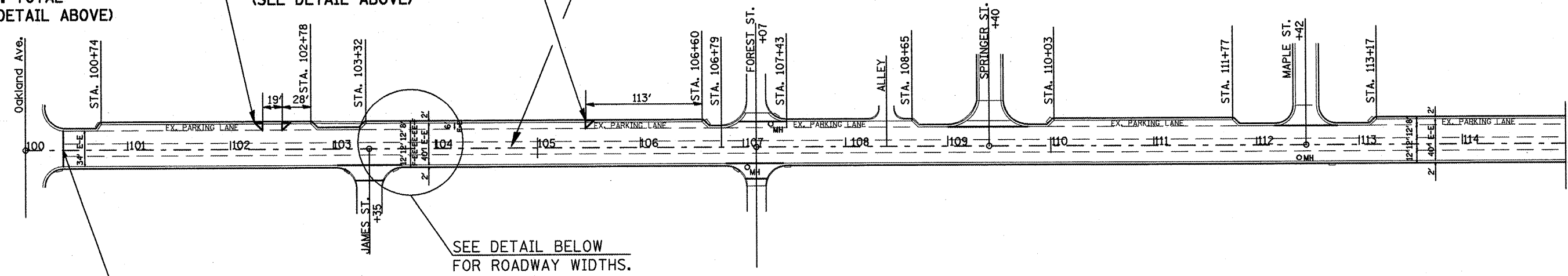
PARKING LANE DETAIL



PREFORMED PLASTIC PVT MRKG, TYPE B - INLAID - LINE 4" STA. 102+31, (27 FT. EACH) 54 FT. TOTAL (SEE DETAIL ABOVE)

PREFORMED PLASTIC PVT MRKG, TYPE B - INLAID - LINE 4" STA. 105+47, 27 FT. (SEE DETAIL ABOVE)

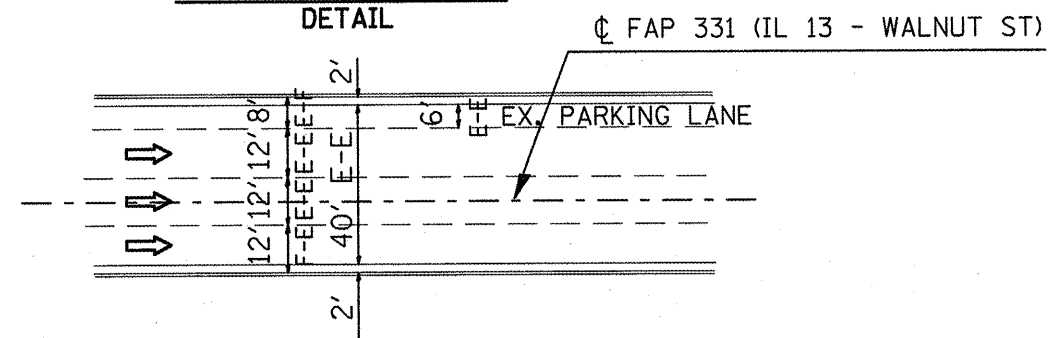
☉ FAP 331 (IL 13 - WALNUT ST)



SEE DETAIL BELOW FOR ROADWAY WIDTHS.

PROP. IMPROVEMENT BEGINS STA. 100+37 (☉ IL. 13 EB - WALNUT ST.) PROP. BUTT JOINT

ROADWAY LANE WIDTHS DETAIL



⇨ = Direction of Traffic

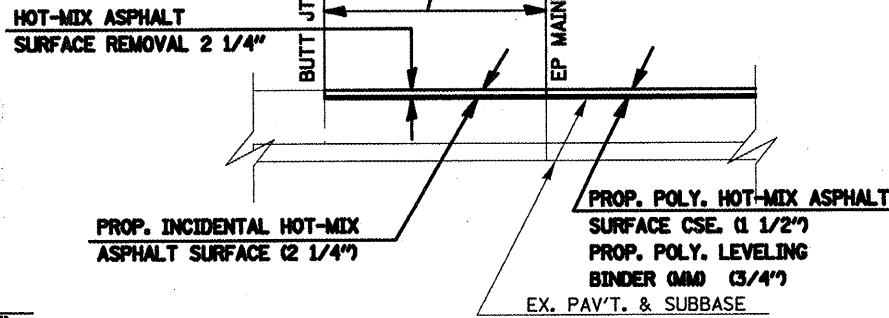
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 USER NAME = mason

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	23	15
STA. 115+00 TO STA. 131+35				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

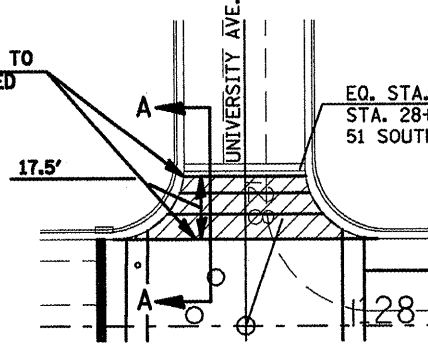
• (12-3)RS-2,(4-5)RS-3

SECTION A-A

17.5' AT UNIVERSITY AVE.
67' AT ILLINOIS AVE.



AREA ON UNIVERSITY AVE. TO BE MILLED AND RESURFACED DUE TO RUTTING.



DETAIL "A"

EQ. STA. 127+69.67 (¢ WALNUT ST. - IL 13) = STA. 28+39.72 ¢ UNIVERSITY AVE. (US RTE. 51 SOUTH)

PREFORMED PLASTIC PVT MRKG. TYPE B - INLAID - LINE 6" LT. STA. 127+48 TO LT. STA. 127+92, 80 FT.

EQ. STA. 127+69.67 (¢ WALNUT ST. - IL 13) = STA. 28+39.72 ¢ UNIVERSITY AVE. (US RTE. 51 SOUTH)

PREFORMED PLASTIC PVT MRKG. TYPE B - INLAID - LINE 4" LT. STA. 128+03 TO LT. STA. 132+03, 400 FT.

PREFORMED PLASTIC PAVT. MARK. TYPE B - LTRS & SYMB (LT. ARROW) LT. STA. 128+51, 15.6 S.F.

PREFORMED PLASTIC PAVT MARKING TYPE B - LTRS & SYMB (ONLY) LT. STA. 128+23, 20.8 S.F.

DETECTOR LOOPS, T1 STA. 130+53, 148 FT. 4 - 6'X6' LOOPS

PREFORMED PLASTIC PVT MRKG TYPE B - INLAID - LINE 6" STA. 127+97, 95 FT.

PREFORMED PLASTIC PVT MRKG. TYPE B - INLAID - LINE 24" STA. 127+27, 40 FT.

DETECTOR LOOPS, T1 STA. 125+79, 115 FT. 3 - 6'X6' LOOPS

SEE DETAIL "A" ABOVE FOR MORE INFO.

PREFORMED PLASTIC PVT MRKG. TYPE B - INLAID - LINE 4" STA. 125+77 TO STA. 127+27 52 FT. (SEE STRIPING DETAIL BELOW)

Sta. 124+00 marked in left edge of pavement

¢ FAP 331 (IL 13 - WALNUT ST)

EQ. STA. 117+45 (¢ WALNUT ST. - IL 13) = ¢ POPLAR ST.

PREFORMED PLASTIC PAVT. MARKING, TYPE B - LTRS & SYMB (THRU ARROW) STA. 116+49, 11.5 S.F.

PREFORMED PLASTIC PAVT. MARKING, TYPE B - LTRS & SYMB (COMB. ARROW) LT. STA. 116+49, 26 S.F.

PREFORMED PLASTIC PVT MRKG. TYPE B - INLAID - LINE 6" STA. 117+68, 95 FT.

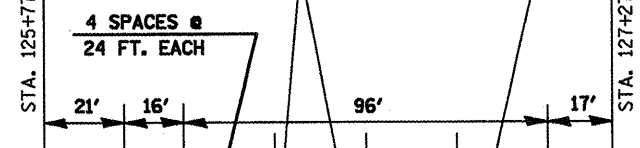
PREFORMED PLASTIC PVT MRKG. TYPE B - INLAID - LINE 6" STA. 117+20, 95 FT.

PREFORMED PLASTIC PVT MRKG. TY. B - INLAID - LINE 24" STA. 117+14, 34 FT.

PREFORMED PLASTIC PAVT. MARKING, TYPE B - LTRS & SYMB (COMB. ARROW) LT. STA. 115+09, 26 S.F.

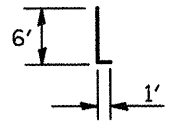
DETECTOR LOOPS, T1 STA. 115+62, 115 FT. 3 - 6'X6' LOOPS

SEE DETAIL B THIS SHEET.

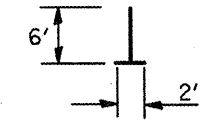


DETAIL OF PARKING STRIPING

PARKING STRIPING DETAILS



DETAIL A (YELLOW)

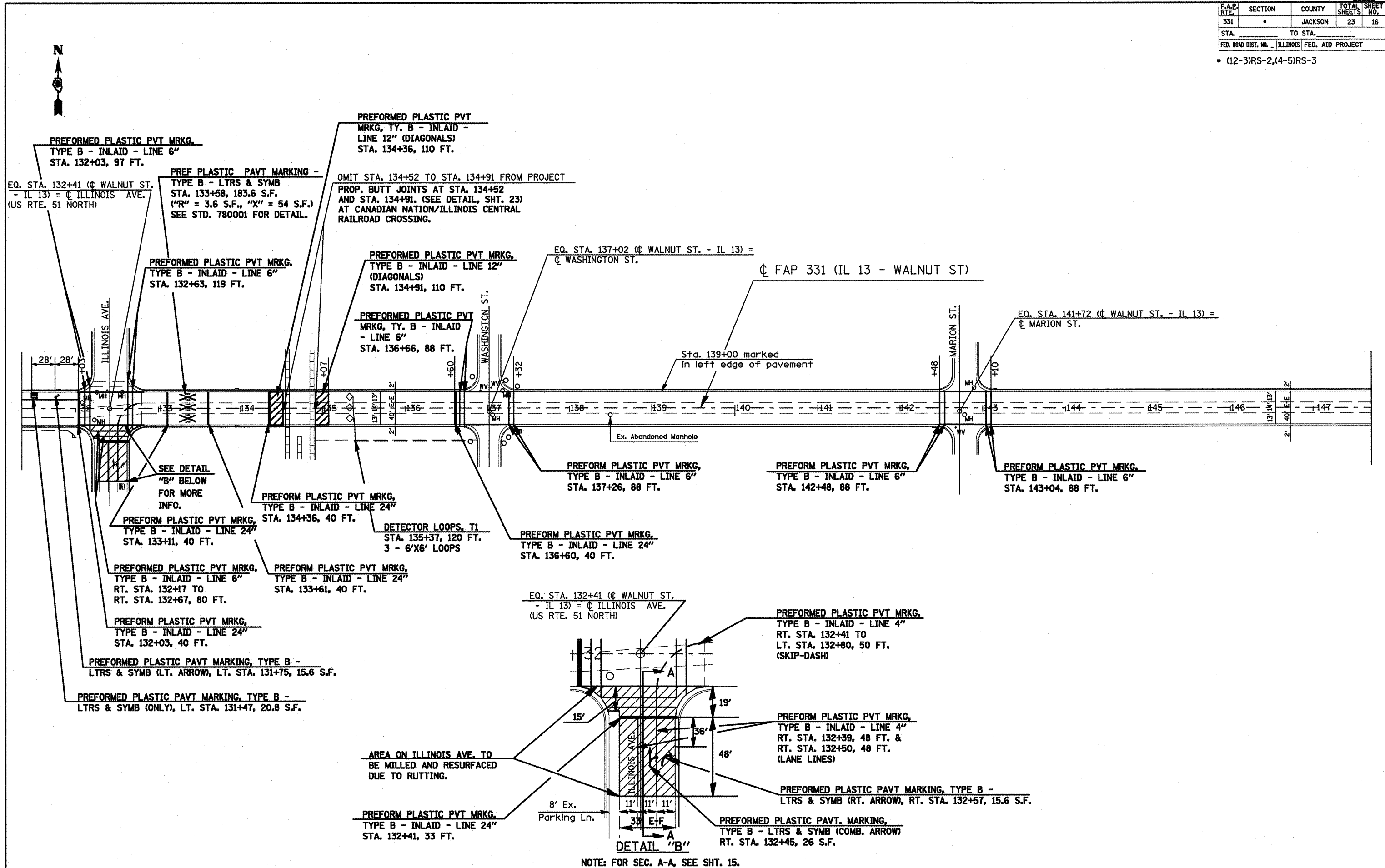


DETAIL B (WHITE)

PLOT DATE = 12/14/2008
 FILE NAME = c:\pwworkspace\mcdonald\mcdonald\9994366\1013844861.dwg
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = mcdonald

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	•	JACKSON	23	16
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				

• (12-3)RS-2,(4-5)RS-3



PLOT DATE = 12/07/2009
 PLOT SCALE = 1/8"=1'-0"
 PLOT USER = mcooper
 PLOT DATE = 12/07/2009
 PLOT SCALE = 1/8"=1'-0"
 PLOT USER = mcooper

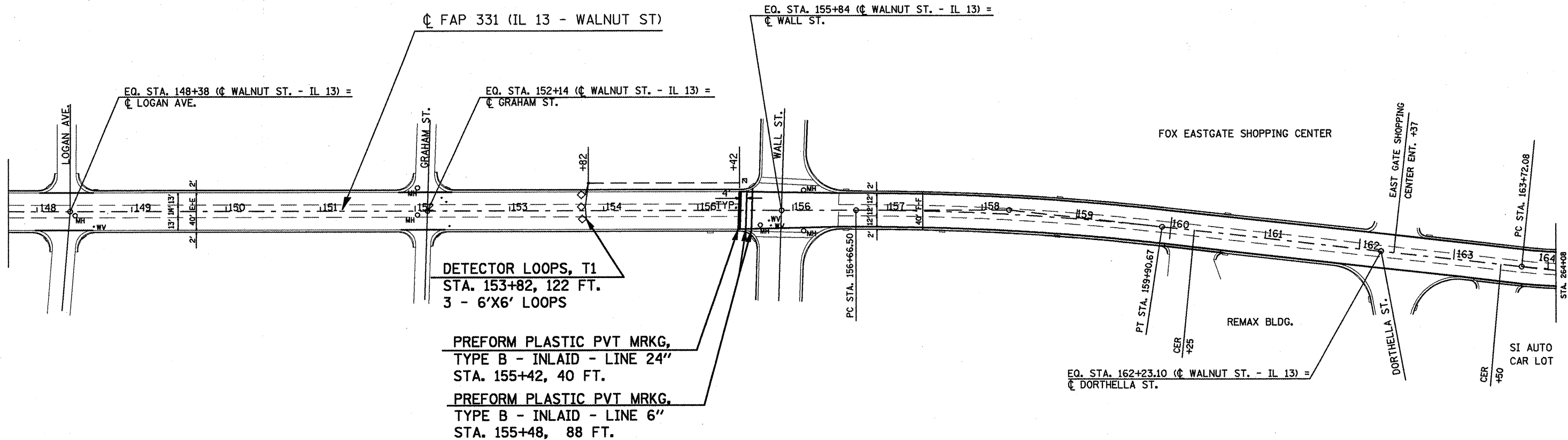
NOTE: FOR SEC. A-A, SEE SHT. 15.

PLAN LAYOUT - STA. 131+35 TO STA. 147+70

CONTRACT NO. 98995

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	23	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

■ (12-3)RS-2,(4-5)RS-3



DETECTOR LOOPS, T1
 STA. 153+82, 122 FT.
 3 - 6'X6' LOOPS

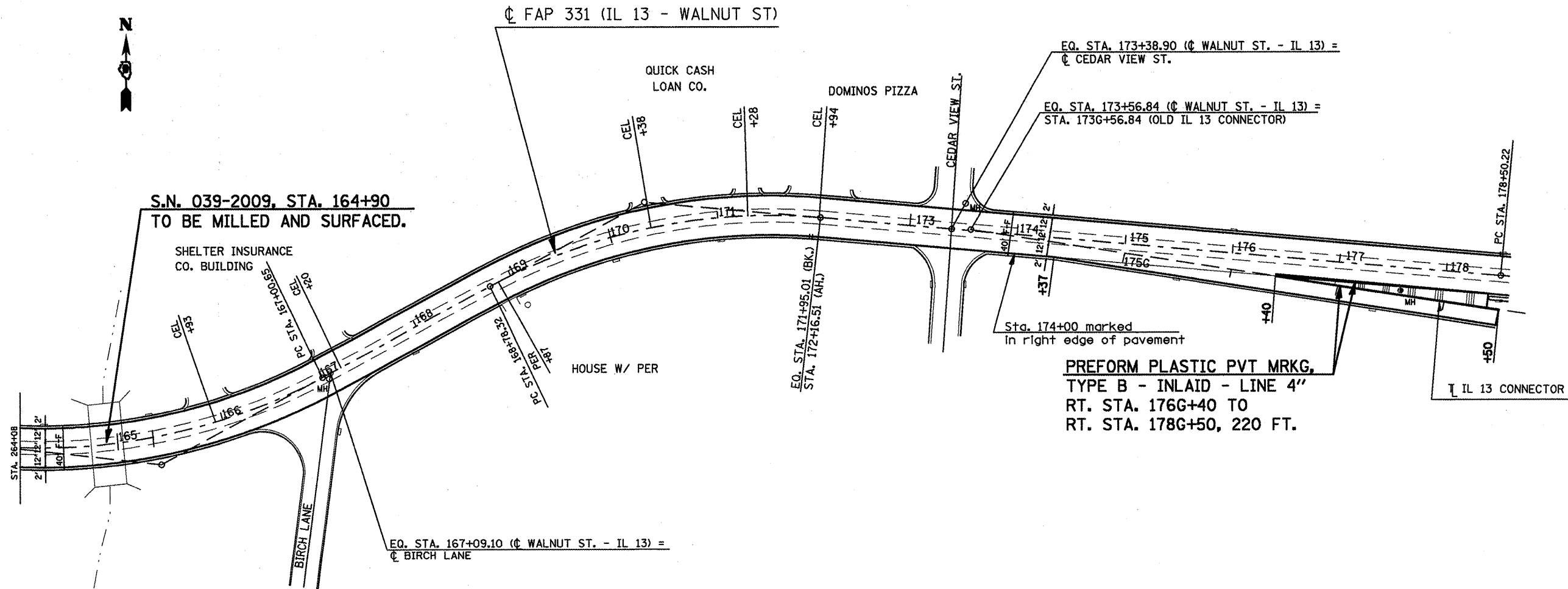
PREFORM PLASTIC PVT MRKG,
 TYPE B - INLAID - LINE 24"
 STA. 155+42, 40 FT.

PREFORM PLASTIC PVT MRKG,
 TYPE B - INLAID - LINE 6"
 STA. 155+48, 88 FT.

PLOT DATE = 12/1/2008
 FILE NAME = C:\Users\m... \Desktop\unconstr\... \155+48.dwg
 USER NAME = m...

CONTRACT NO. 98985				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	23	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

• (12-3)RS-2,(4-5)RS-3



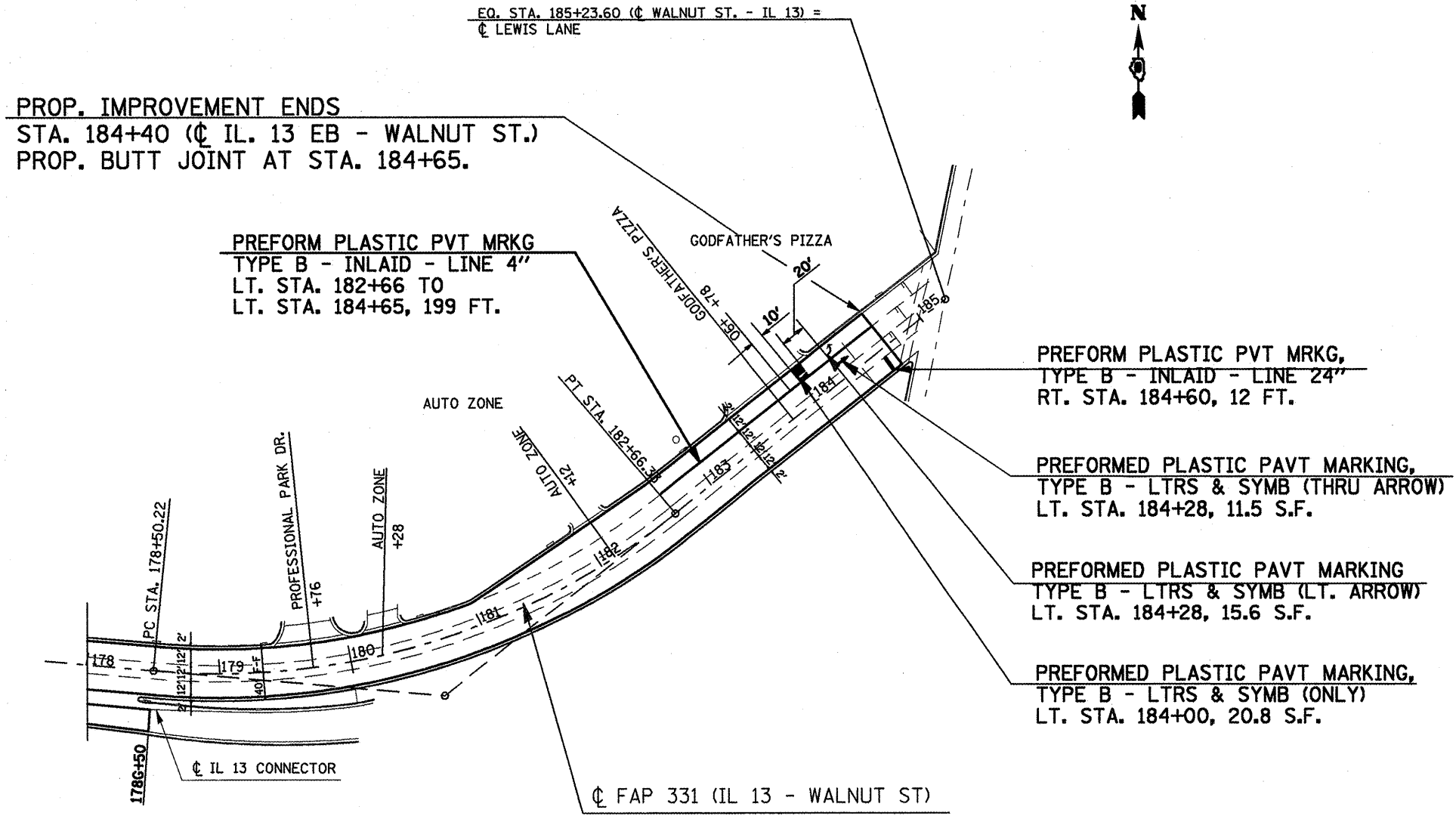
PLOT DATE = 12/1/2008
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 PLOT SCALE = 1/8"=1'-0"
 USER NAME = mccor

PLAN LAYOUT - STA. 164+08 TO STA. 178+58

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	23	19

STA. _____ TO STA. _____
 FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT

* (12-3)RS-2,(4-5)RS-3

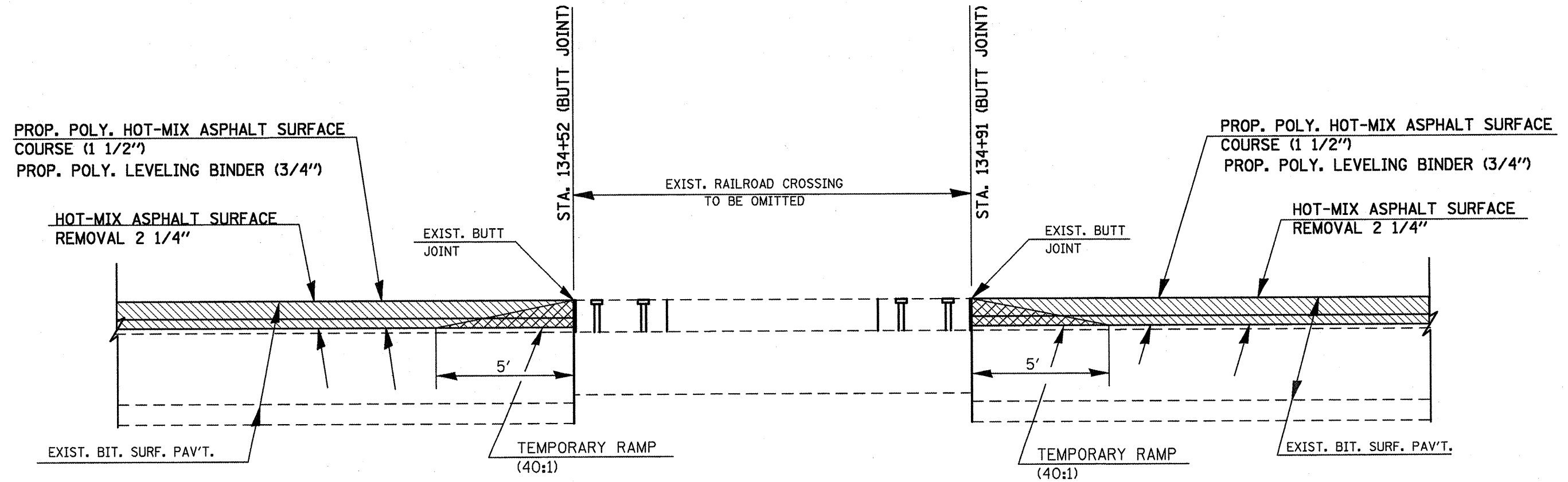


PLOT DATE = 12/14/2003
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 USER NAME = mcorodr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331		JACKSON	23	21
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

• (12-3)RS-2,(4-5)RS-3

BUTT JOINT DETAIL
 AT CANADIAN NATIONAL/ILLINOIS CENTRAL
 RAILROAD CROSSING
 STA. 134+52 TO STA. 134+91

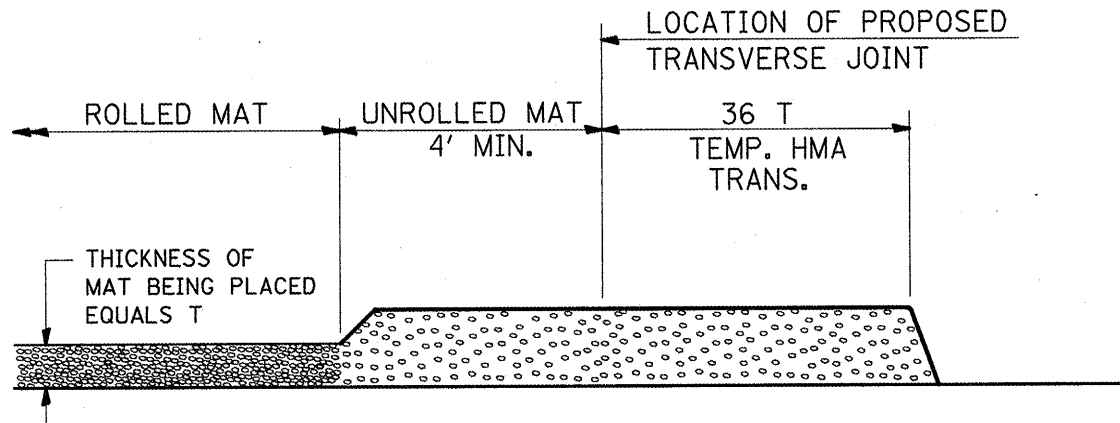


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 USER NAME = mason-dr

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	23	22
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

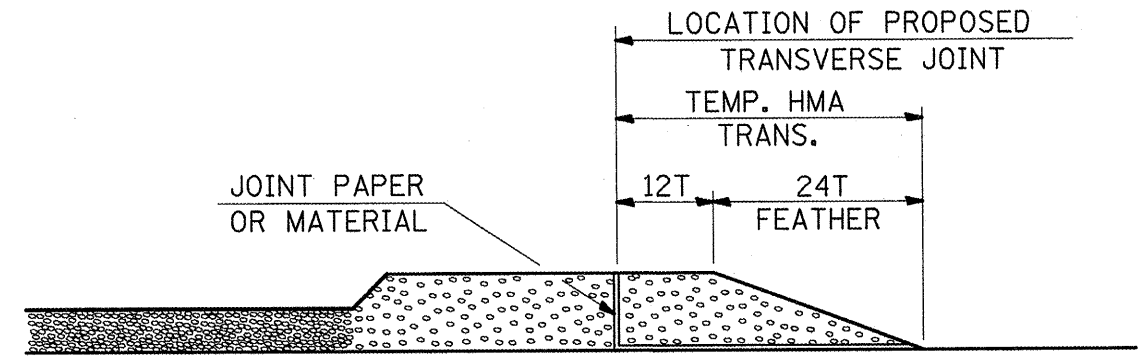
* (12-3)RS-2,(4-5)RS-3

TEMPORARY HOT-MIX ASPHALT TRANSITIONS



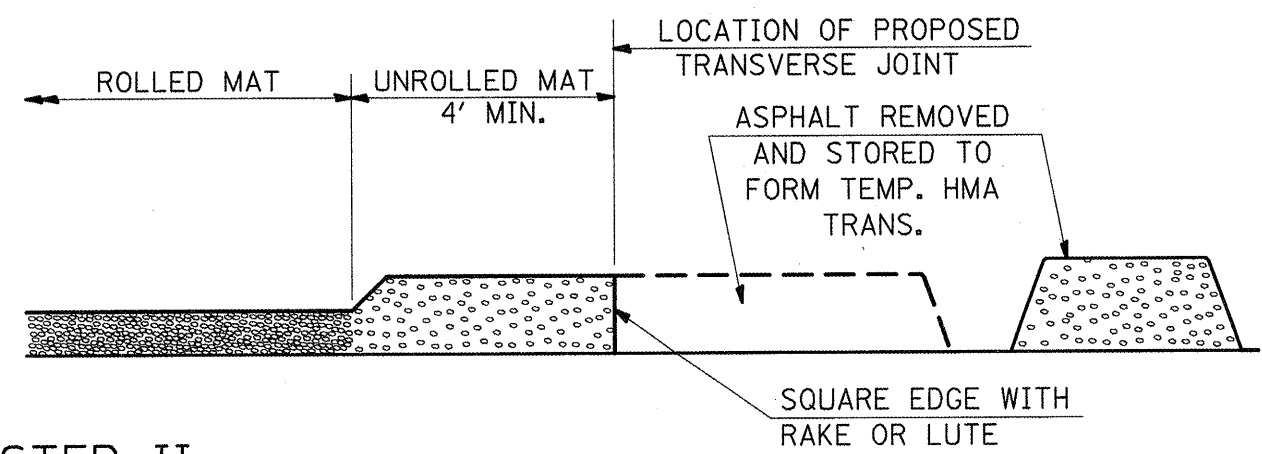
STEP I

1. PLACE HOT-MIX ASPHALT MAT, LENGTH 36 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.
2. EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



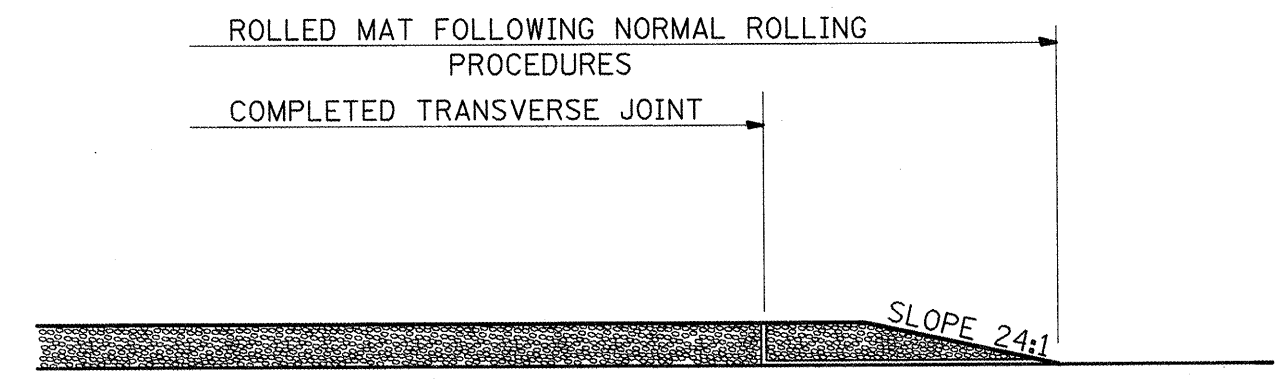
STEP III

1. JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
2. NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.



STEP II

1. MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY HOT-MIX ASPHALT TRANSITION.
2. SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
3. NOTE THAT THE MAT WITHIN 4' OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME.



STEP IV

1. COMPLETE TEMPORARY TRANSITION BY ROLLING.
2. TO RESUME PAVING, AT THE JOINT, REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCLUDED IN THE CONTRACT).
3. CONSTRUCTING THE TEMPORARY TRANSITIONS WILL NOT BE PAID FOR SEPARATELY IN ACCORDANCE WITH ARTICLE 406.14 OF THE STANDARD SPECIFICATIONS.

REVISIONS	
REDRAWN	2-15-89
REVISED	8-16-94
REVISED	01-09-07
REVISED	_____

STD. 9-26

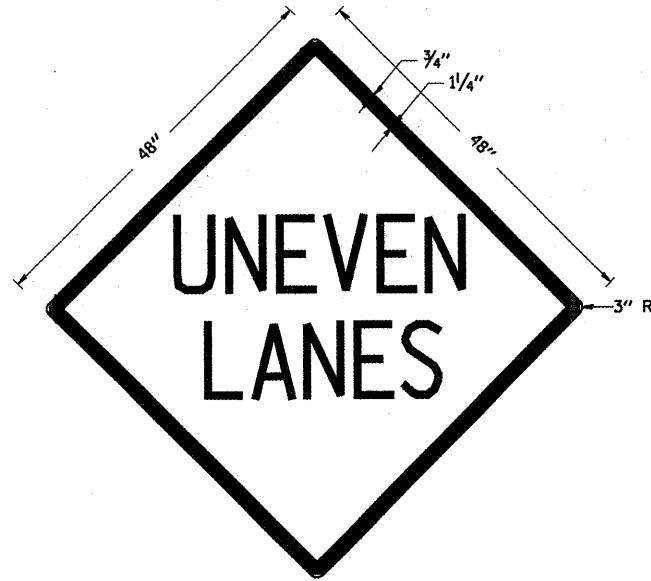
PLOT DATE = 12/1/2008
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = masonrdr

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	•	JACKSON	23	23
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

• (12-3)RS-2,(4-5)RS-3

UNEVEN LANES SIGN

W8-11 (48" x 48")



COLORS:
 LEGEND AND BORDER - BLACK NON-REFLECTORIZED
 BACKGROUND - ORANGE REFLECTORIZED

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

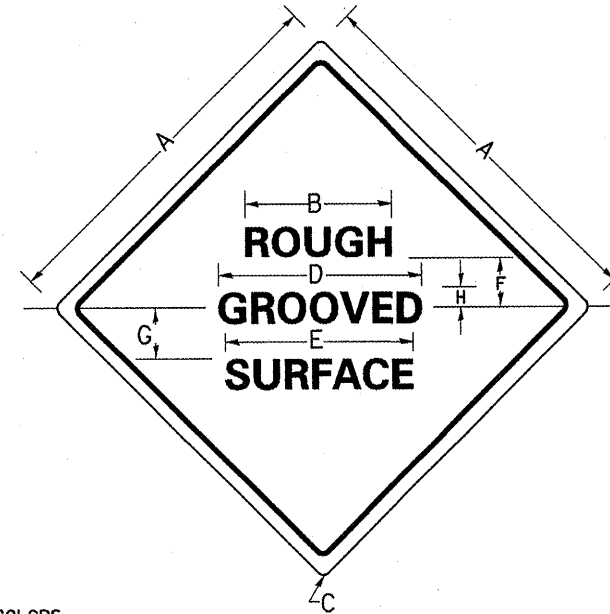
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

STD. 9-41

REVISIONS	
DRAWN	7-23-98
REVISED	7-23-98
REDESIGNED	7-23-98
REVISED	7-23-98

ILLINOIS STANDARD

W8-I106



COLORS:
 LEGEND AND BORDER - BLACK NON-REFLECTORIZED
 BACKGROUND - ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48x48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MAR-GIN	BOR-DER	BLANK STD.
	1	2	3			
48x48	7C	7C	7C	0.8	1.2	B4-48D

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COARSE.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

STD. 9-39

REVISIONS	
REDRAWN	10-23-01

PLOT DATE = 12/4/2008
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 USER = jll