

76B06

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	1RS-1	MADISON	26	1
STA. _____		TO STA. _____		
EXISTING CONDITIONS:				

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

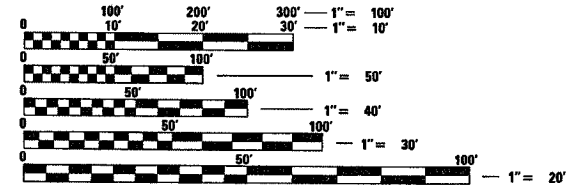
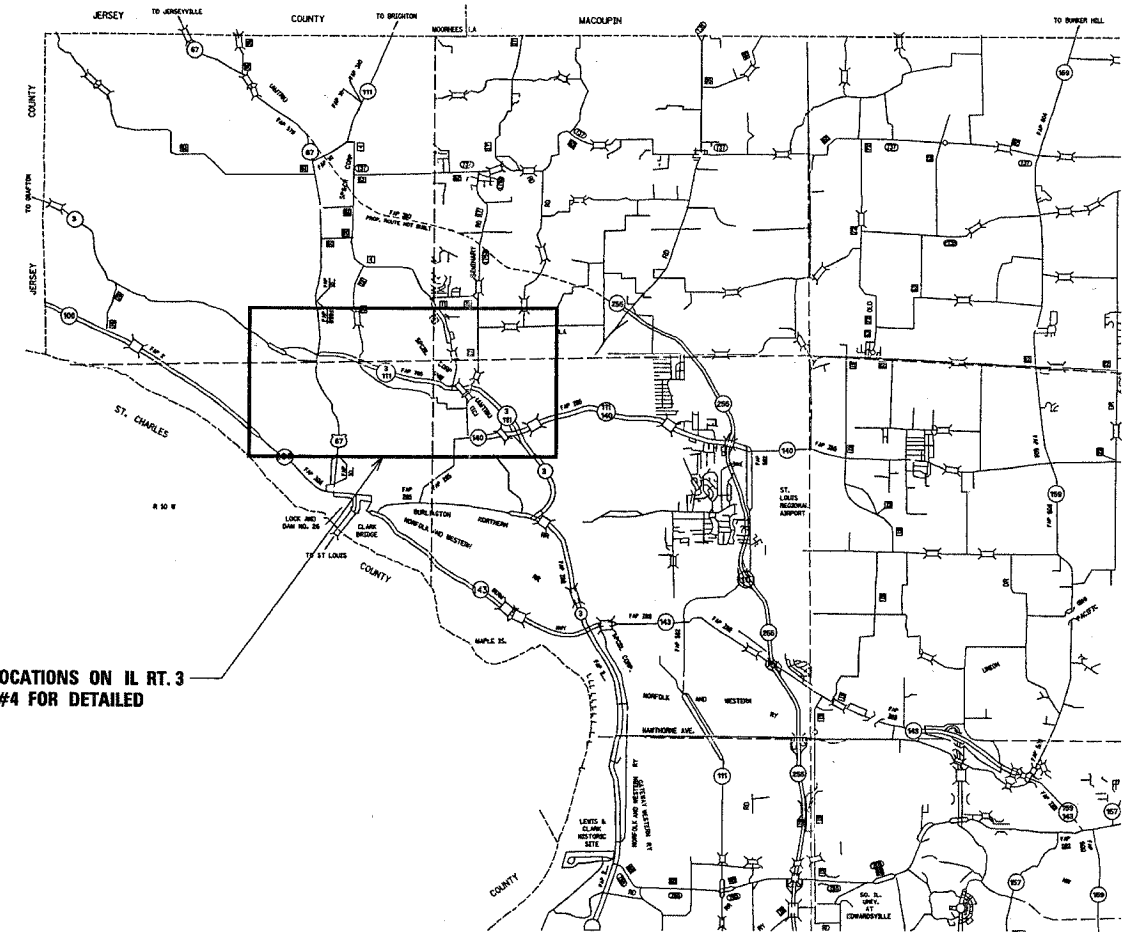
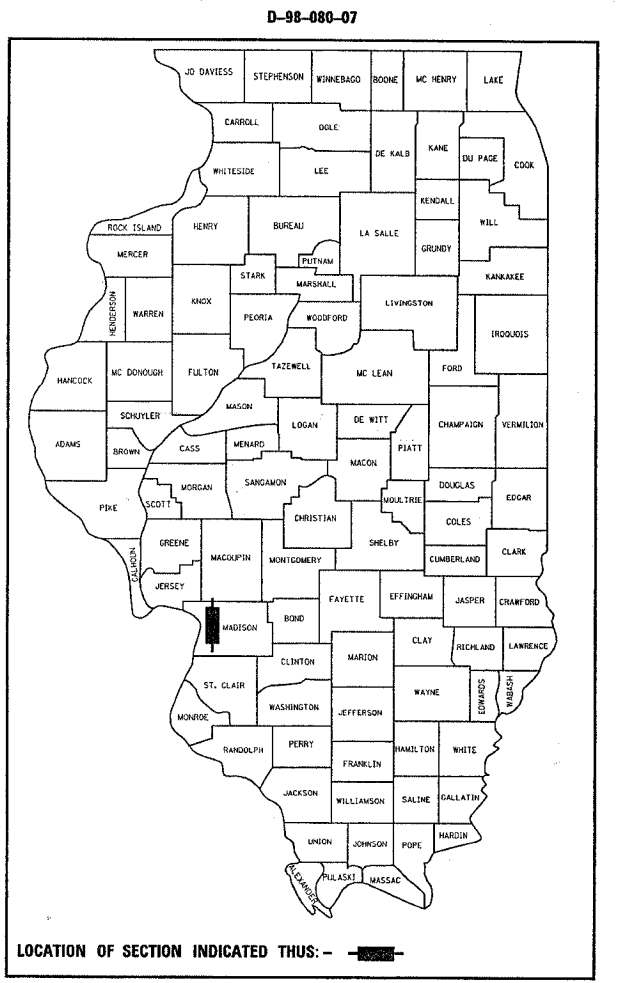
**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 789 (IL 3)  
SECTION 1RS-1  
~~PROJECT~~  
MILLING AND RESURFACING  
MADISON COUNTY  
C-98-084-07

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PLAN	DATE
SUBMITTED	
APPROVED	
NOTE BOOK	
NO. _____	

PROJECT ENGINEER: PATTI LEBEAU 618-346-3179  
SQUAD LEADER: TIM PADGETT 618-346-3284



THIS PROJECT CONSISTS OF 3 LOCATIONS ON IL RT. 3  
IN ALTON/GODFREY. SEE SHEET #4 FOR DETAILED  
INFORMATION

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. 76B06

SCALE: 1" = 3 MILES

GROSS LENGTH: 17930 FT. (3.40 MI.)  
NET LENGTH: 4779 FT. (0.91 MI.)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED April 5 20 07  
May C. Lemoie  
DEPUTY DIRECTOR OF HIGHWAYS  
REGION FIVE ENGINEER

May 11 20 07  
Eric E. Harshbarger  
ENGINEER OF DESIGN AND ENVIRONMENT

May 11 20 07  
Milton R. Smith, P.E.  
DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

### GENERAL NOTES

1. THE STANDARDS AND REVISIONS NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
2. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES 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:

**LOCATIONS #1 & #2**

- AMEREN UE
- CHARTER COMMUNICATIONS, INC.
- VILLAGE OF GODFREY
- ILLINOIS AMERICAN WATER COMPANY
- AT&T ILLINOIS

**LOCATION #3**

- CITY OF ALTON
- AMEREN UE
- CHARTER COMMUNICATIONS, INC.
- VILLAGE OF GODFREY
- ILLINOIS AMERICAN WATER COMPANY
- AT&T ILLINOIS

•MEMBERS OF JOINT UTILITY LOCATING INFORMATION FOR EXCAVATIONS (J.U.L.I.E.), THE J.U.L.I.E. SYSTEM PHONE NUMBER IS 1-800-982-0123

3. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THE LOCATION.
4. THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO THE IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.
5. THE RATES OF APPLICATION IN THE PLANS ARE NOMINAL. DEVIATIONS WILL BE ALLOWED AS SPECIFIED BY THE ENGINEER IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

6. "THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SURFACE	LEVEL BINDER	INCIDENTAL SURFACE	SHOULDERS	FULL DEPTH PATCH
AC/PG	SBS 76-22	PG 64-22	PG 64-22	PG 58-22	PG 64-22
RAP % (MAX)	10%	10%	10%	50%	10%
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90	2.0% @ Ndes=30	4.0% @ Ndes=90
MIX COMPOSITION (GRADATION MIXTURE)	IL 12.5	IL 9.5	IL 9.5		IL 19.0
FRICITION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "C"	BAM	MIXTURE "B"

7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
8. FLAGMEN SHALL BE PRESENT DURING ALL CLOSURE HOURS INCLUDING LUNCH HOUR AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
9. THE ROADWAY IS TO REMAIN OPEN TO TRAFFIC DURING CONSTRUCTION OPERATIONS. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED ON THIS PROJECT.
10. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDEROADS, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLOURESCENT ORANGE (48" x 48").
11. THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES & VALVES LOCATED WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING MILLING OPERATIONS.
12. SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM.
13. SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, LEVEL BINDER, AND FINAL BITUMINOUS SURFACES. ONLY THE REMOVAL OF THE FINAL SURFACE APPLICATION WILL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL - SQ. FT. A QUANTITY OF TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS BEEN ADDED TO THE PLANS.
14. CONTRACTOR SHALL CUT WEEPS IN SHOULDERS AS NEEDED TO FACILITATE DRAINAGE AFTER SURFACE IS MILLED. THE COST OF CUTTING WEEPS SHALL BE INCLUDED IN THE PAY ITEM "HOT-MIX ASPHALT SURFACE REMOVAL 2". NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
15. MILLINGS TO BE DELIVERED TO THE MITCHELL OPERATIONS YARD. PLEASE CONTACT STEVE WHEELER AT 259-1440 PRIOR TO DELIVERING.
16. THE CONTRACTOR SHALL BE AWARE THAT THERE ARE CONCRETE PATCHES IN THE EXISTING PAVEMENT THAT WILL BE MILLED THROUGH. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
17. EXISTING CONDUITS WILL BE USED FOR NEW DETECTOR LOOPS. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING THE EXISTING CONDUITS STUB-UP DURING CONSTRUCTION. SHOULD ANY DAMAGE TO CONDUITS OCCUR DUE TO THE CONTRACTOR'S OPERATIONS, REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AND WILL BE DONE AT THE CONTRACTOR'S EXPENSE.

18. MESSAGE BOARDS SHALL BE PUT UP ONE WEEK PRIOR TO CONSTRUCTION TO NOTIFY THE PUBLIC OF THE FUTURE WORK. THE LOCATIONS OF THE MESSAGE BOARDS ARE TO BE DETERMINED BY THE ENGINEER.
19. ADDITIONAL FLAGGERS AND OR TRAFFIC CONTROL DEVICES MAY BE NEEDED AT SOME INTERSECTIONS AS DIRECTED BY THE R.E. AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
20. ANY AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO THE ORIGINAL CONDITIONS. ANY SEEDING SHALL BE INCIDENTAL AND NO COMPENSATION WILL BE ALLOWED.
21. IF DURING MILLING OPERATIONS, DETECTOR LOOPS ARE DEEP ENOUGH THAT MILLING DOES NOT DISTURB THEM, NEW ONES WILL NOT BE NEEDED.
22. WATER VALVE ADJUSTMENT REQUIRED PRIOR TO PLACEMENT OF INCIDENTAL HOT MIX ASPHALT SURFACING AT LOCATION #1 (FRONTENAC PLACE). NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

### STANDARDS

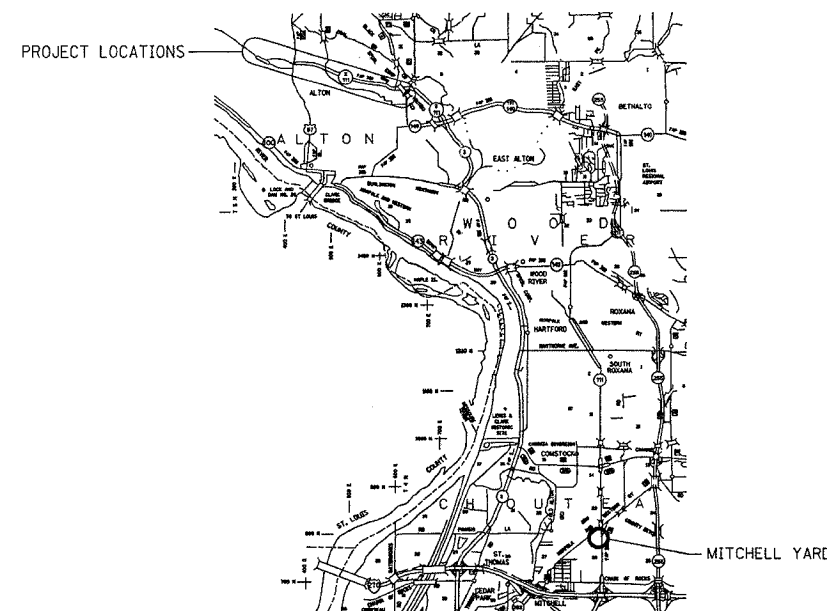
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701006-02	701601-03	701400-02
701011-01	701701-04	
701101-01	702001-06	
701106-01	780001-01	

### RATES OF APPLICATION

LEVEL BINDER/SURFACE COURSE	=0.056 TONS/SQ YD/INCH
BITUMINOUS MATERIAL (PRIME COAT)	=0.0003129 TONS/SQ YD
AGGREGATE (PRIME COAT)	=0.0015 TONS/SQ YD
AGGREGATE SHOULDERS, TYPE B	=2.1 TONS/CU YD

### INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES, INDEX OF SHEETS & STANDARDS
- 3 SUMMARY OF QUANTITIES
- 4 LOCATION MAPS
- 5 PATCHING AND RESURFACING SCHEDULE
- 6-14 PLAN SHEETS
- 15-23 PAVEMENT MARKING AND ELECTRICAL
- 24 DETECTOR LOOP TABLES AND DETAIL
- 25 MILLING AND SIDEROAD DETAILS
- 26 RIPRAP AND CURB MARKING DETAILS



MITCHELL YARD LOCATION MAP

### COMMITMENTS

ALL ROTOMILLINGS SHALL BE HAULED TO THE MITCHELL MAINTENANCE YARD. SEE ABOVE MAP FOR LOCATION.

ILLINOIS DEPARTMENT OF TRANSPORTATION

### GENERAL NOTES, STANDARDS AND INDEX OF SHEETS

F.A.P. 789 (IL RTE. 3 & 111)  
SECTION IRS-1  
MADISON COUNTY

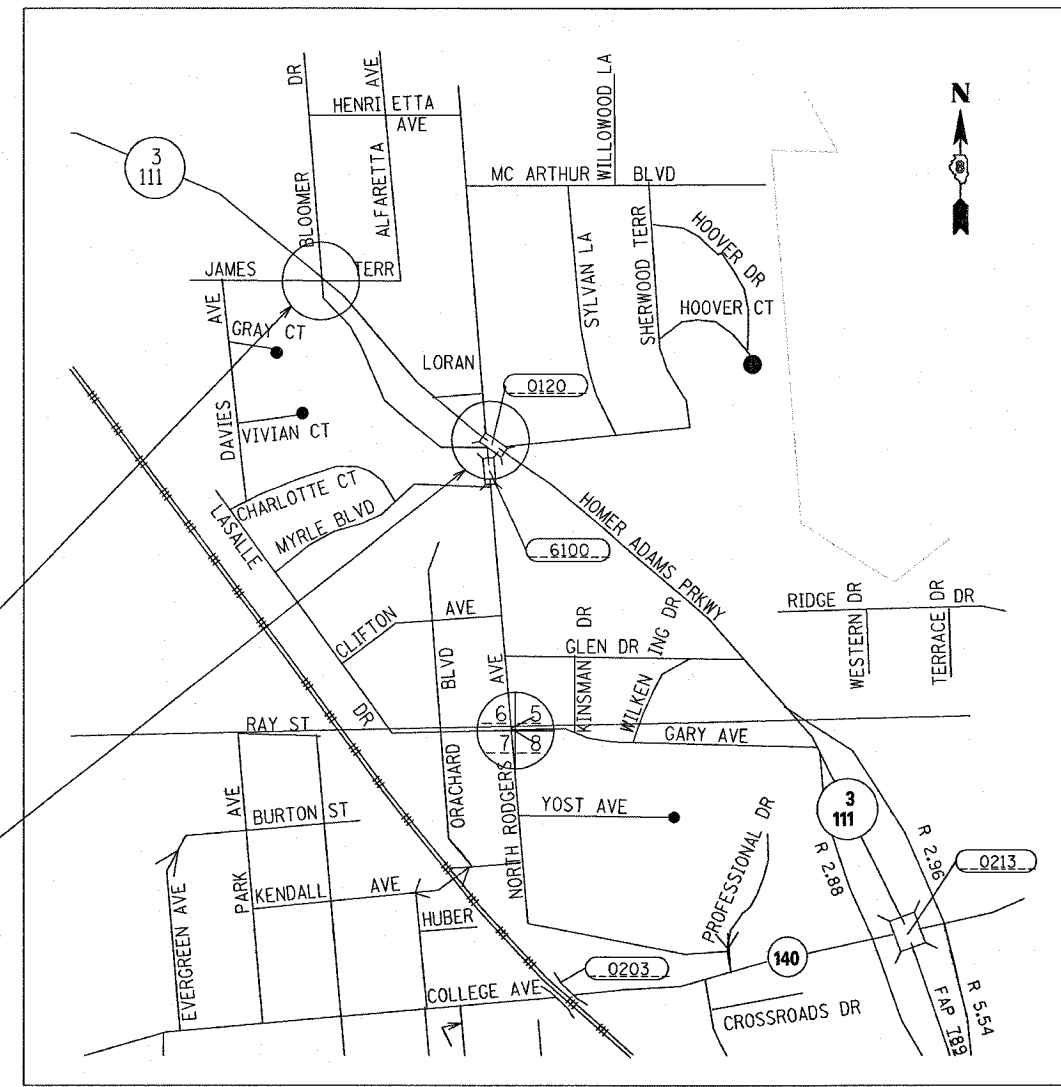
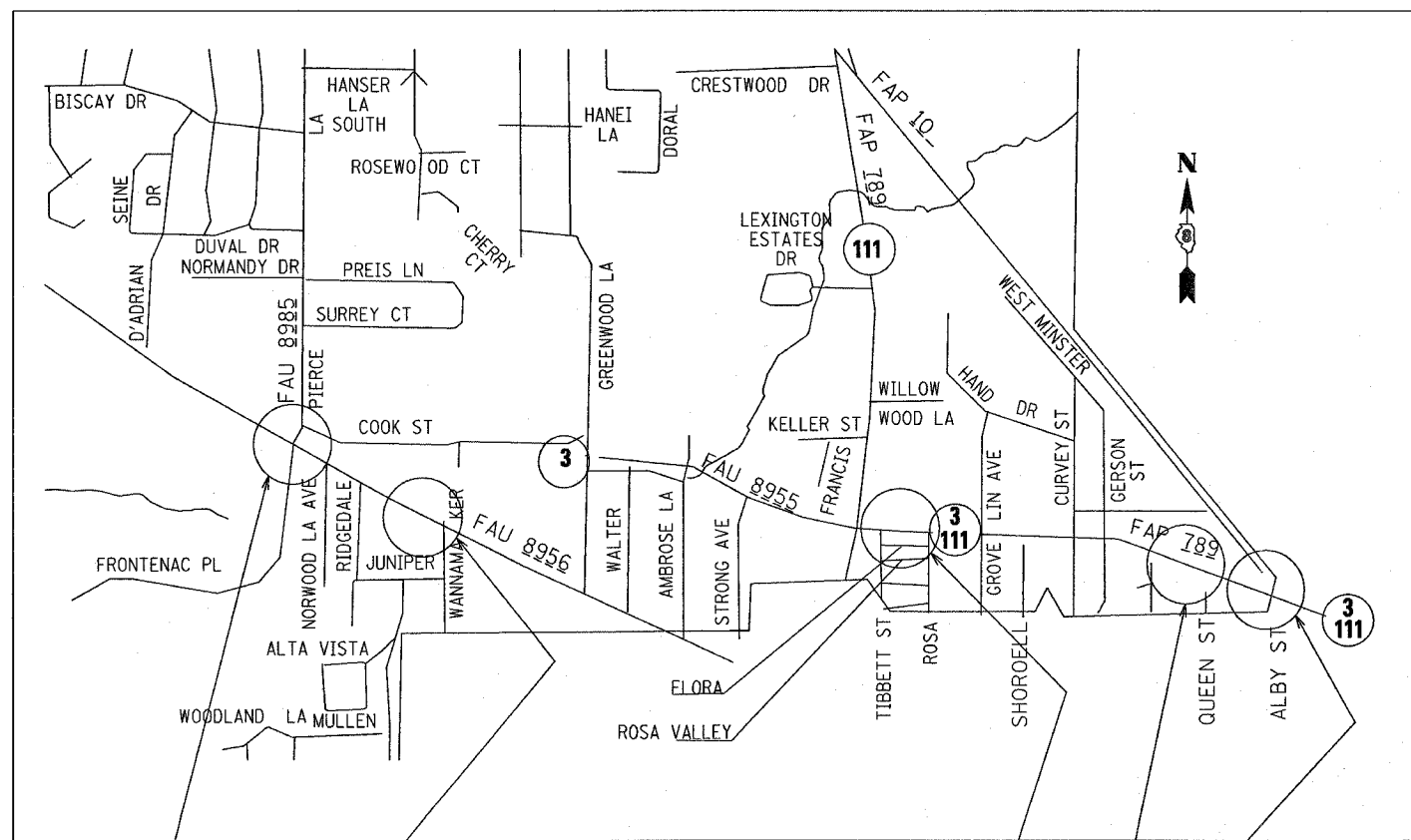
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PLOT DATE: 4/5/2007

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# GODFREY

# ALTON

BEGIN PROJECT LOCATION #1  
STA. 0+00  
LAT: 38.92572  
LONG: -90.20575

END PROJECT LOCATION #1  
STA. 9+37  
LAT: 38.92414  
LONG: -90.20207

BEGIN PROJECT LOCATION #2  
STA. 104+10  
LAT: 38.92400  
LONG: -90.18978

BRIDGE OMISSION  
STA. 129+13 TO 133+86

END PROJECT LOCATION #2  
STA. 136+38  
LAT: 38.92218  
LONG: -90.17914

BEGIN PROJECT LOCATION #3  
STA. 253+00  
LAT: 38.91410  
LONG: -90.14023

END PROJECT LOCATION #3  
STA. 263+87  
LAT: 38.91210  
LONG: -90.13734

LOCATION #1 ADT  
2007 ADT = 12000 (ACTUAL)  
2027 ADT = 14600 (ESTIMATED)  
SU = 1.7% MU = 0.2%  
GROSS LENGTH 937 FT  
NET LENGTH 937 FT.

LOCATION #2 ADT  
2007 ADT = 21200 (ACTUAL)  
2027 ADT = 25900 (ESTIMATED)  
SU = 1.8% MU = 1.4%  
GROSS LENGTH 3228 FT.  
NET LENGTH 2755 FT.

LOCATION #3 ADT  
2005 ADT = 26000 (ACTUAL)  
2007 ADT = 26500 (ESTIMATED)  
2027 ADT = 32300 (ESTIMATED)  
SU = 2.9% MU = 1.8%  
GROSS LENGTH 1087 FT.  
NET LENGTH 1087 FT.

PLAN	REVISION	DATE
NOTE BOOK	ALIGNED	
FILE NAME	CADD FILE NAME	

# PATCHING AND RESURFACING SCHEDULE

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	5
STA. _____		TO STA. _____		
EXISTING CONDITIONS: _____				

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 PLAIN  
 NOTE BOOK  
 NO. \_\_\_\_\_

STATION	SIZE	TYPE I SQ. YD.	TYPE II SQ. YD.	LANE
5+97	4 x 11	4.89		E.B. DRIVE LANE
5+97	4 x 11	4.89		LT. TURN LANE
7+49	4 x 13		5.78	E.B. DRIVE LANE
<b>TOTALS</b>		<b>9.78</b>	<b>5.78</b>	

STATION	SIZE	TYPE II SQ. YD.	TYPE III SQ. YD.	LANE
104+16	12 x 12		16.00	E.B. DRIVE LANE
104+16	12 x 12		16.00	E.B. PASS LANE
104+16	6 x 16	10.67		W.B. DRIVE LANE
104+16	6 x 12	8.00		W.B. PASS LANE
110+07	6 x 13	8.67		E.B. PASS LANE
111+84	16 x 12.5		22.22	E.B. DRIVE LANE
111+84	16 x 12.5		22.22	E.B. PASS LANE
<b>TOTALS</b>		<b>27.34</b>	<b>76.44</b>	

STATION	SIZE	TYPE II SQ. YD.	LANE
254+73	4 x 12	5.33	E.B. DRIVE LANE
254+73	4 x 12	5.33	E.B. PASS LANE
259+68	4 x 12	5.33	E.B. DRIVE LANE
259+68	4 x 12	5.33	E.B. PASS LANE
259+68	4 x 12	5.33	W.B. DRIVE LANE
259+68	4 x 12	5.33	W.B. PASS LANE
259+68	4 x 20	8.89	W.B. LT. TURN LANE
<b>TOTALS</b>		<b>40.87</b>	

LOCATIONS	TYPE I SQ. YD.	TYPE II SQ. YD.	TYPE III SQ. YD.
LOCATION #1	9.78	5.78	
LOCATION #2		27.34	76.44
LOCATION #3		40.87	
<b>TOTALS</b>	<b>9.78</b>	<b>73.99</b>	<b>76.44</b>

STATION	HOT MIX ASPHALT SURF. N90 TONS	LEVELING BINDER N90 TONS	BIT. MATL. PRIME COAT TONS	AGGREGATE PRIME COAT TONS	HOT-MIX ASPHALT REMOVAL SQ. YDS.	AGGREGATE SHOULDER TYPE B TONS	HOT-MIX ASPHALT SHOULDER TONS	INCIDENTAL HOT MIX ASPHALT TONS
0+00 TO 9+37	390	195	1.8	9	5643	85	26	29
<b>LOCATION #1 TOTALS</b>	<b>390</b>	<b>195</b>	<b>1.8</b>	<b>9</b>	<b>5643</b>	<b>85</b>	<b>26</b>	<b>29</b>

STATION	HOT MIX ASPHALT SURF. N90 TONS	LEVELING BINDER N90 TONS	BIT. MATL. PRIME COAT TONS	AGGREGATE PRIME COAT TONS	HOT-MIX ASPHALT REMOVAL SQ. YDS.	HOT-MIX ASPHALT SHOULDER TONS
104+10 TO 129+13	1271	636	6.3	30	20269	646
BRIDGE OMISSION	-	-	-	-	-	-
133+87 TO 136+38	298	149	1.2	6	3545	-
<b>LOCATION #2 TOTALS</b>	<b>1569</b>	<b>785</b>	<b>7.5</b>	<b>36</b>	<b>23814</b>	<b>646</b>

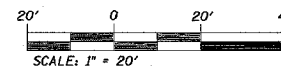
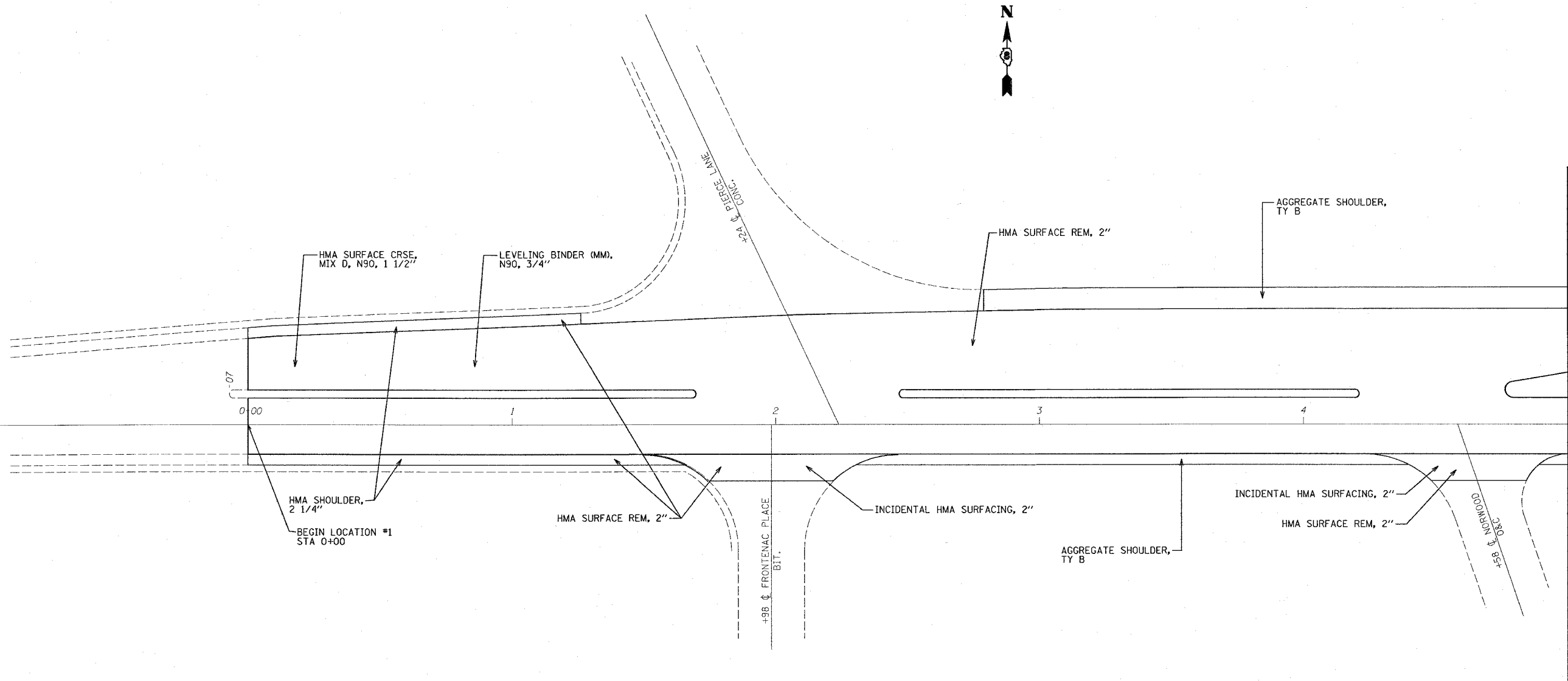
STATION	HOT MIX ASPHALT SURF. N90 TONS	LEVELING BINDER N90 TONS	BIT. MATL. PRIME COAT TONS	AGGREGATE PRIME COAT TONS	HOT-MIX ASPHALT REMOVAL SQ. YDS.	HOT-MIX ASPHALT SHOULDER TONS
253+00 TO 264+18	587	294	2.8	14	8831	230
<b>LOCATION #3 TOTALS</b>	<b>587</b>	<b>294</b>	<b>2.8</b>	<b>14</b>	<b>8831</b>	<b>230</b>

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PATCHING AND RESURFACING SCHEDULES**  
 F.A.P. 789 (IL RTE. 3 & 111)  
 SECTION IRS-1  
 MADISON COUNTY  
 PLOT DATE: 4/5/2007

F.A.R. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	6
STA. 0+00		TO STA. 5+00		
EXISTING CONDITIONS:				

PLAN	DATE	BY
DESIGNED		
CHECKED		
IN CHARGE		
DATE OF WAY CHECKED		
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ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEET  
LOCATION #1**

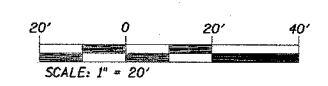
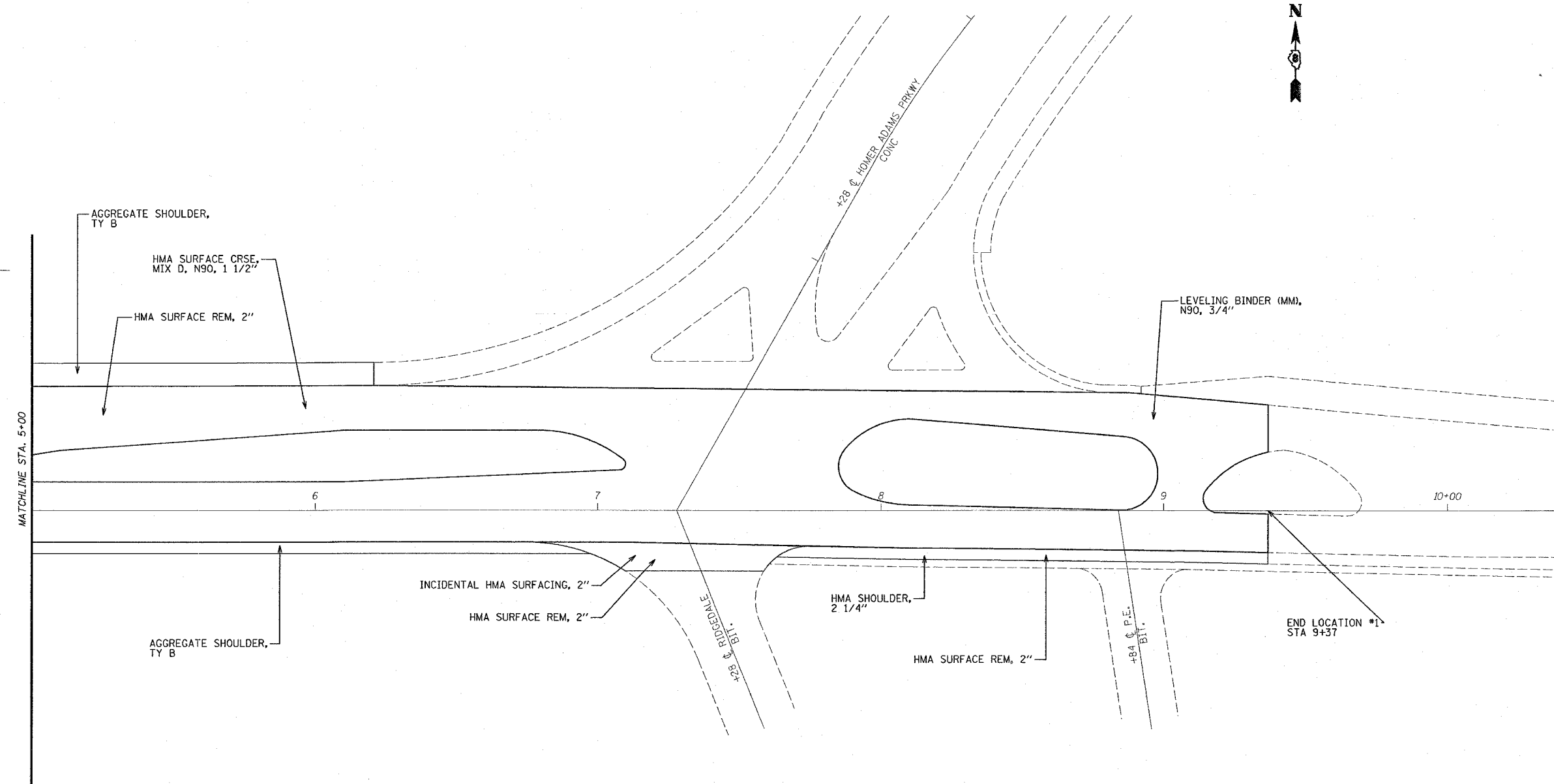
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SECTION IRS-1  
MADISON COUNTY

PLOT DATE: 4/5/2007

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F.A.R. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	7
STA. 5+00		TO STA. 9+37		
EXISTING CONDITIONS:				

PLAN	DATE	BY	CHECKED
PLAN			
REVISED			
NOTE BOOK			
NO. _____			
FILE NAME			



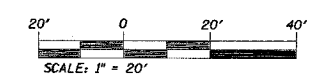
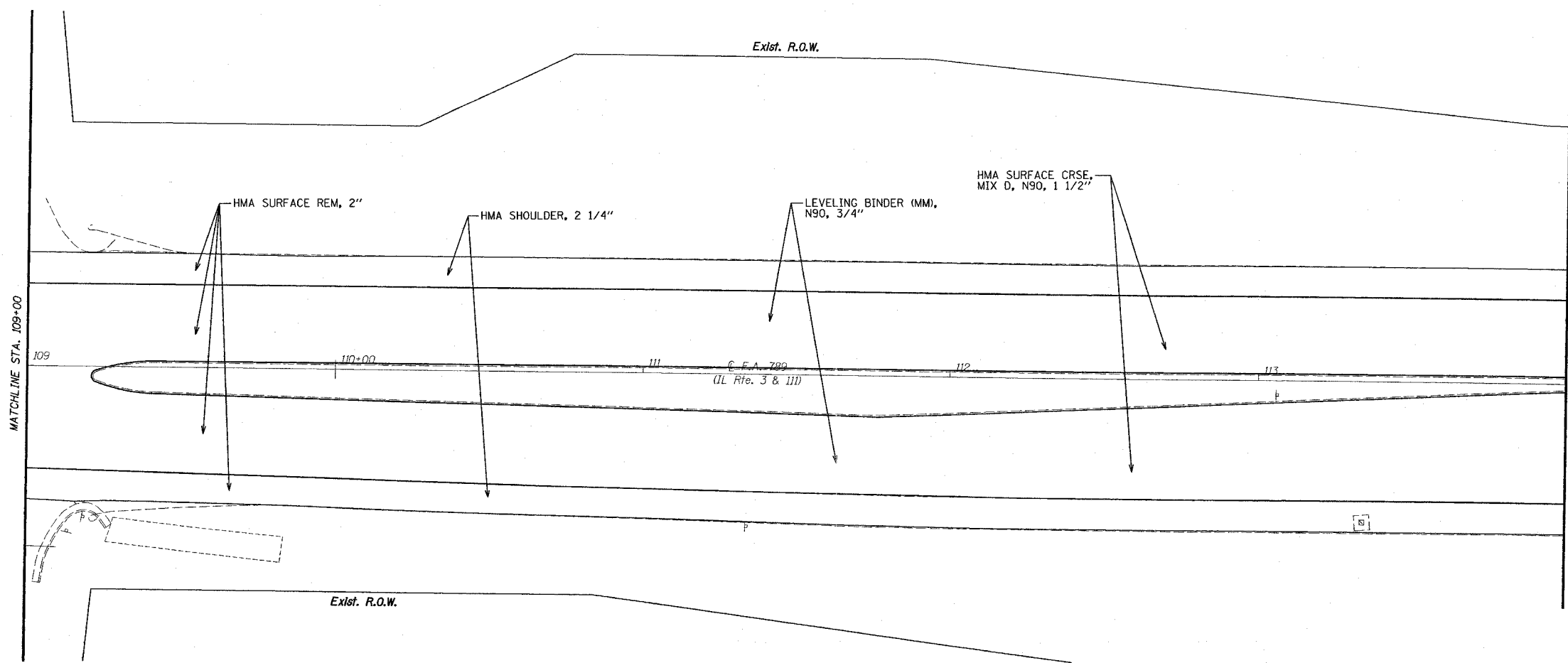
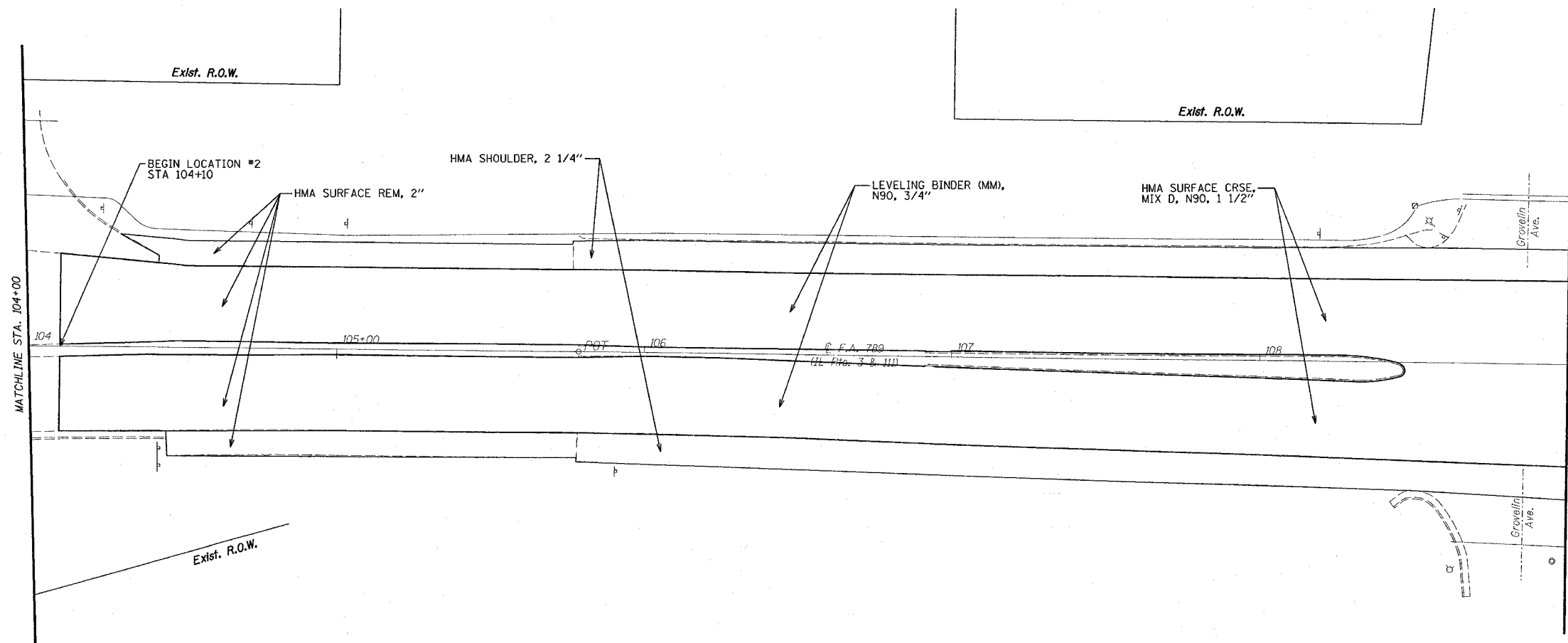
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAN SHEET**  
**LOCATION #1**  
 F.A. 789 (IL RTE. 3 & 111)  
 SECTION IRS-1  
 MADISON COUNTY

PLOT DATE: 4/5/2007

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C.L.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	8
STA. 104+00		TO STA. 114+00		
EXISTING CONDITIONS:				

PLAN	DATE	BY
DESIGNED		
CHECKED		
APPROVED		
DATE		
NO.		



ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEETS**  
**LOCATION #2**

F.A. 789 (IL RTE. 3 & 111)  
SECTION IRS-1  
MADISON COUNTY

PLOT DATE: 4/5/2007

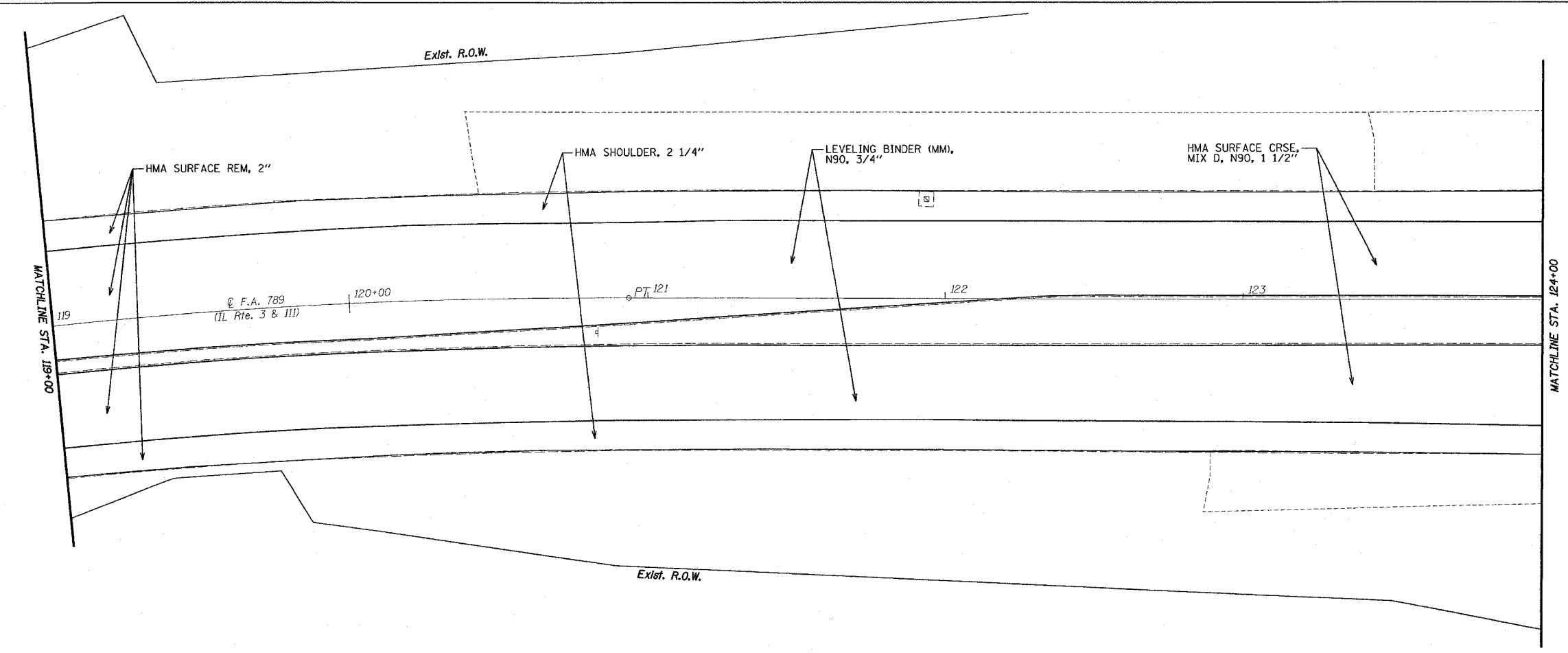
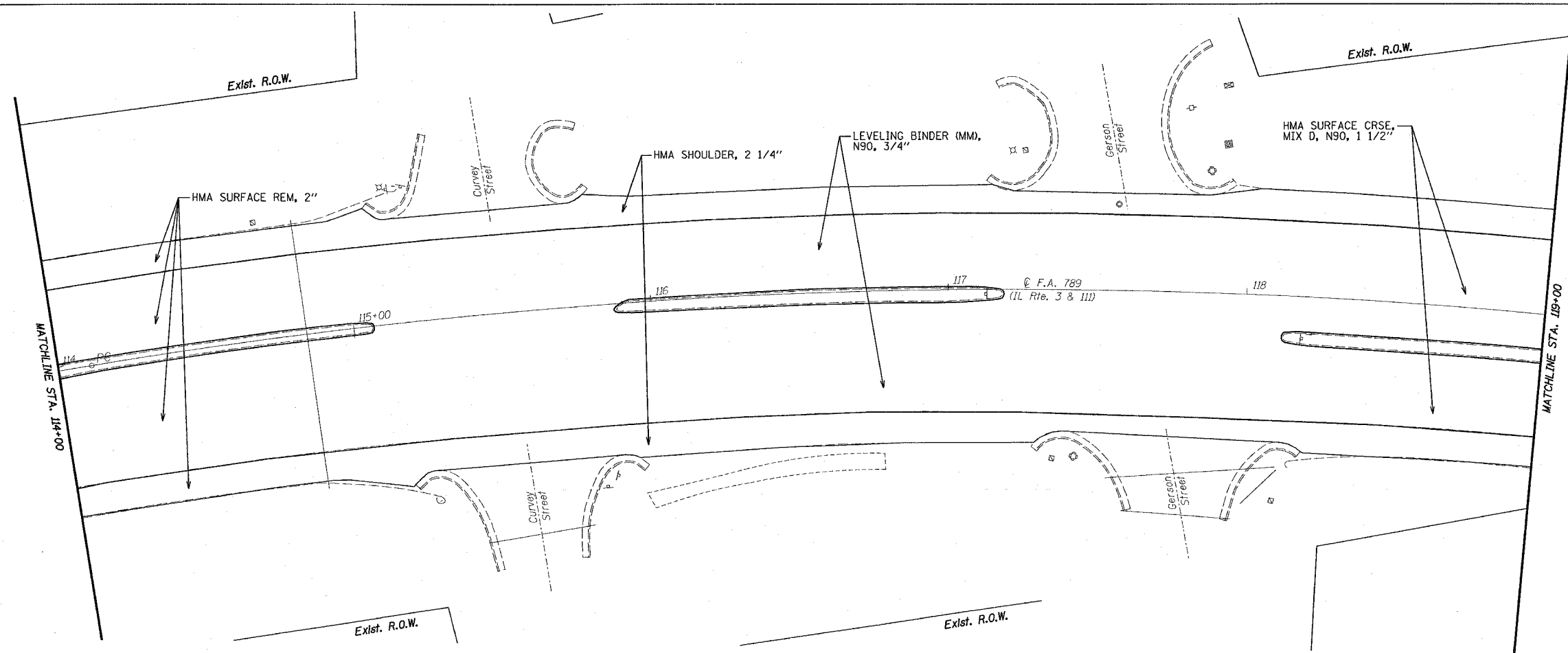
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F.A.R. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 114+00		TO STA. 124+00		

EXISTING CONDITIONS:

PLAN	DATE	BY
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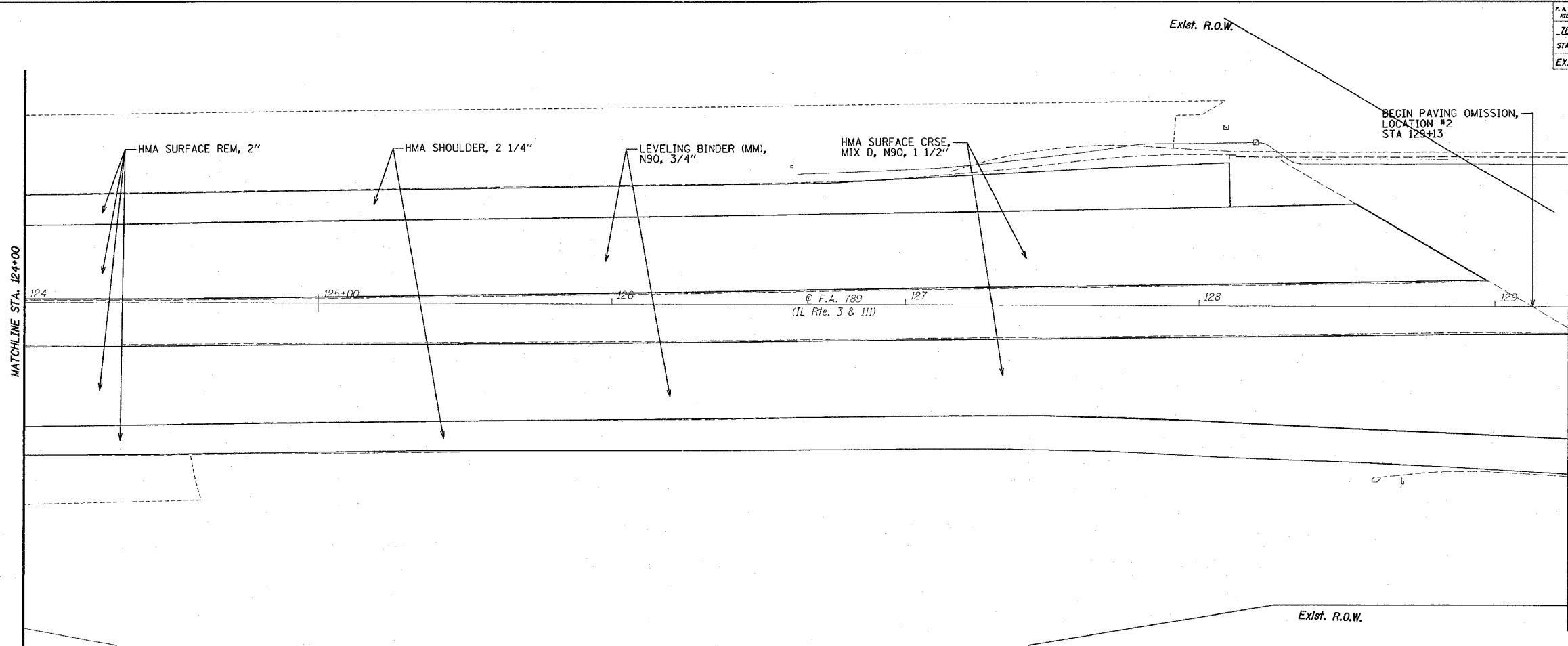


ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAN SHEETS**  
**LOCATION #2**  
 F.A. 789 (IL RTE. 3 & 111)  
 SECTION IRS-1  
 MADISON COUNTY

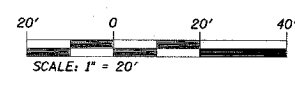
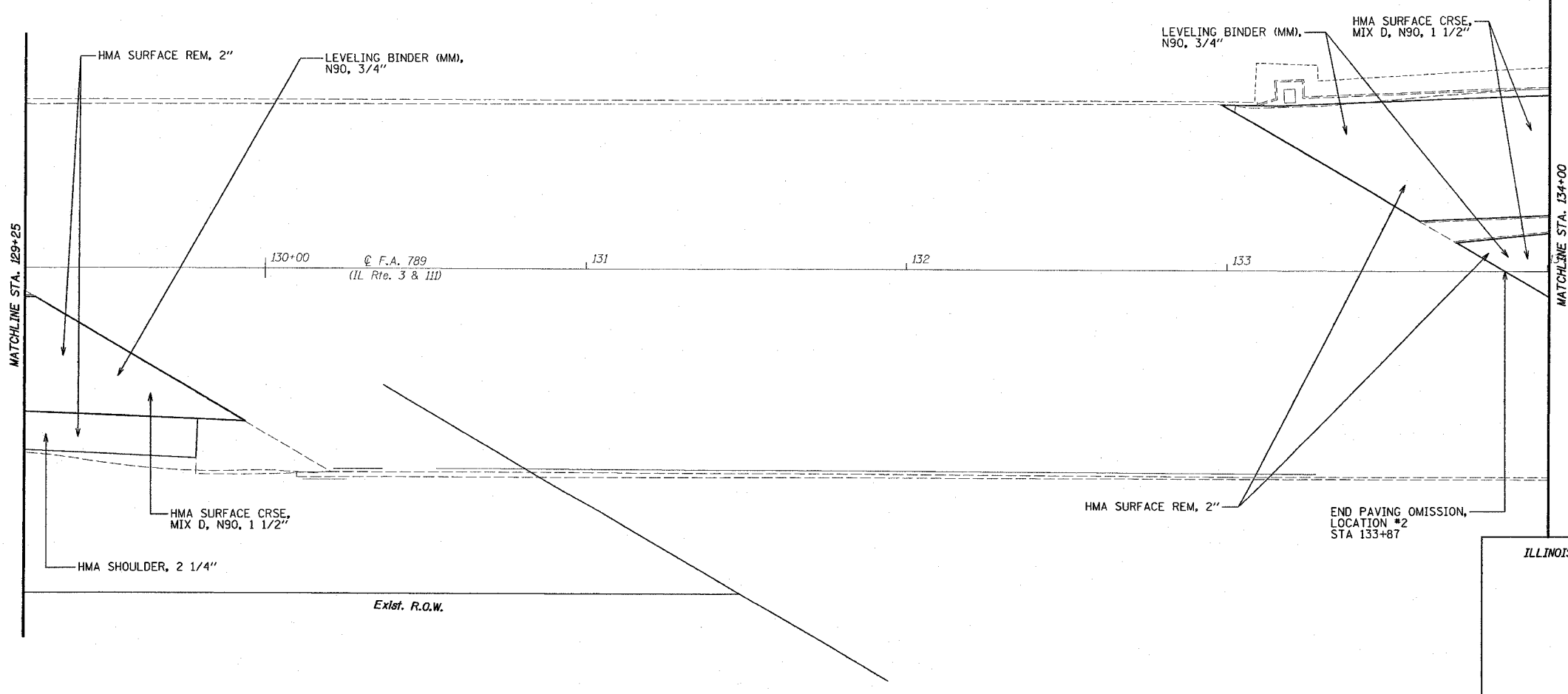
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STA. 124+00		TO STA. 134+00		
EXISTING CONDITIONS:				



DATE	BY	DESCRIPTION



ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEETS**  
**LOCATION #2**

F.A. 789 (IL RTE. 3 & 111)  
SECTION IRS-1  
MADISON COUNTY

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PLOT DATE: 4/5/2007

P.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	11
STA. 134+00		TO STA. 136+38		
EXISTING CONDITIONS: .....				



DATE	BY	REVISION

PLAIN  
 DIVISION  
 DRAWN BY  
 CHECKED BY  
 DATE  
 NO.  
 TITLE  
 PROJECT NO.  
 SHEET NO.

HMA SURFACE REM, 2"

HMA SURFACE CRSE, MIX D, N90, 1 1/2"

LEVELING BINDER (MM), N90, 3/4"

MATCHLINE STA. 134+00

MATCHLINE STA. 140+00

Exist. R.O.W.

Exist. R.O.W.

Exist. R.O.W.

Exist. R.O.W.

Sta. 136+87.7 (IL Rte. 111) =  
Sta. 83+70.7 (Alby St.)

Alby St.

F.A. 789  
(IL Rte. 3 & 111)

END LOCATION #2  
STA 136+38

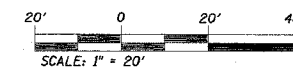
135+00

136

137

138

139



ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEETS**

**LOCATION #2**

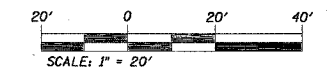
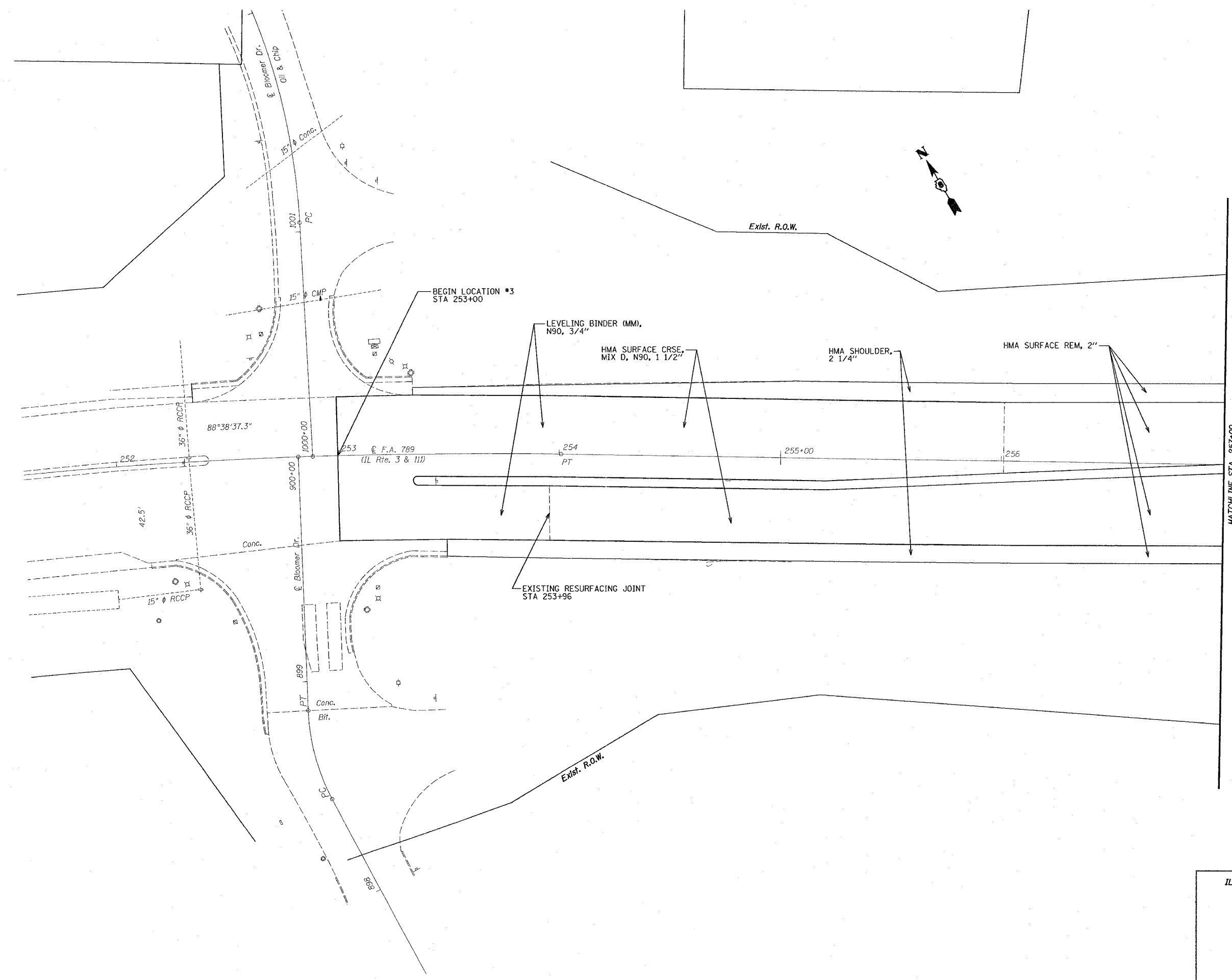
F.A. 789 (IL RTE. 3 & 111)  
SECTION IRS-1  
MADISON COUNTY

PLOT DATE: 4/5/2007

4/5/2007  
 4/5/2007  
 4/5/2007  
 4/5/2007  
 4/5/2007

P.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	12
STA. 253+00		TO STA. 257+00		
EXISTING CONDITIONS: _____				

PLAN	SURVEYED	DATE
NOTED		
PLotted		
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By		



ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEETS**  
**LOCATION #3**

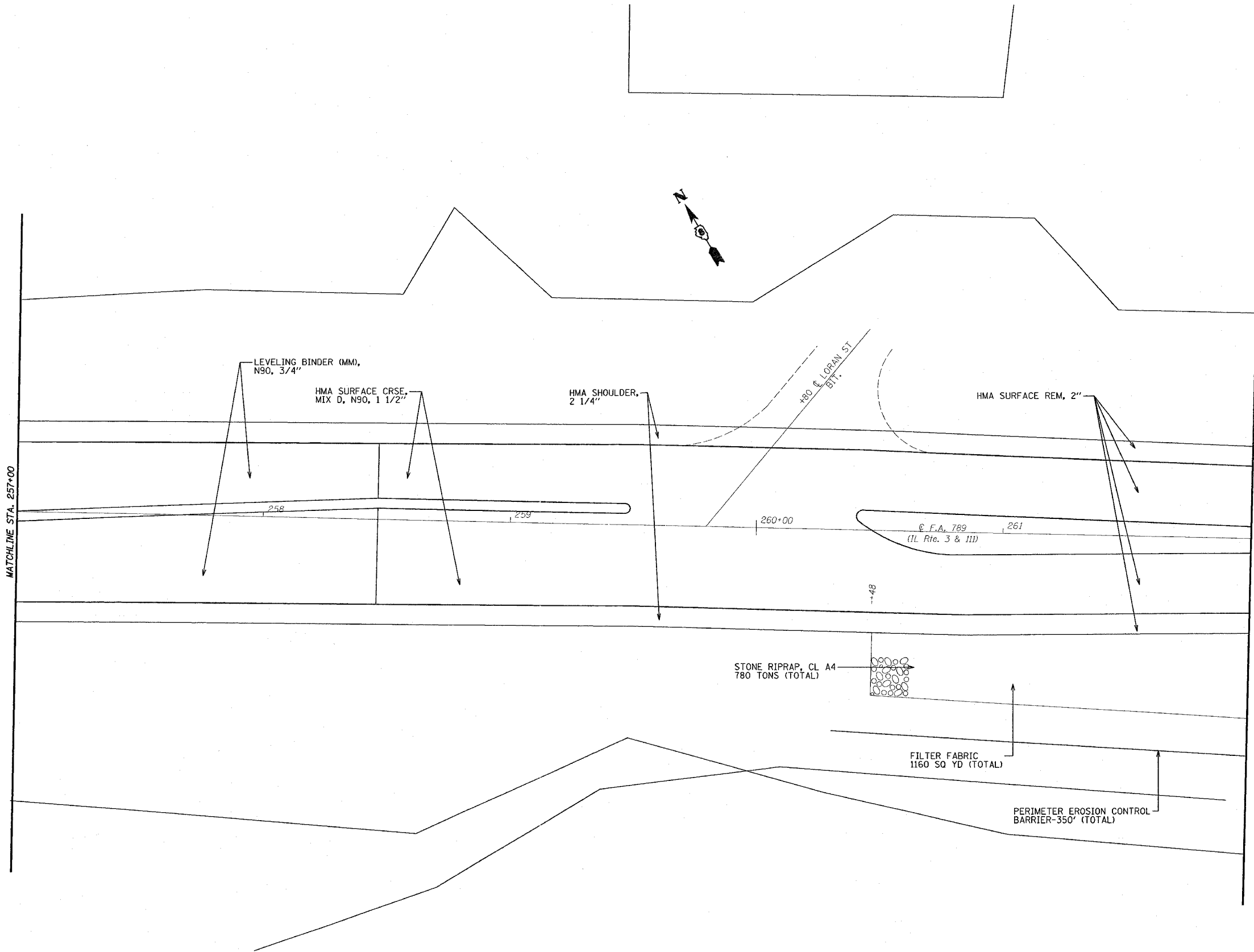
F.A. 789 (IL RTE. 3 & 111)  
SECTION IRS-1  
MADISON COUNTY

PLOT DATE: 4/5/2007

4/5/2007  
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P.A.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	13
STA. 257+00 TO STA. 262+00				
EXISTING CONDITIONS:				

PLAN	DATE	BY
DESIGNED		
PLOTTED		
NO. OF WAYS CIRCLED		
PAID FILE NAME		



ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEETS  
LOCATION #3**

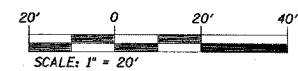
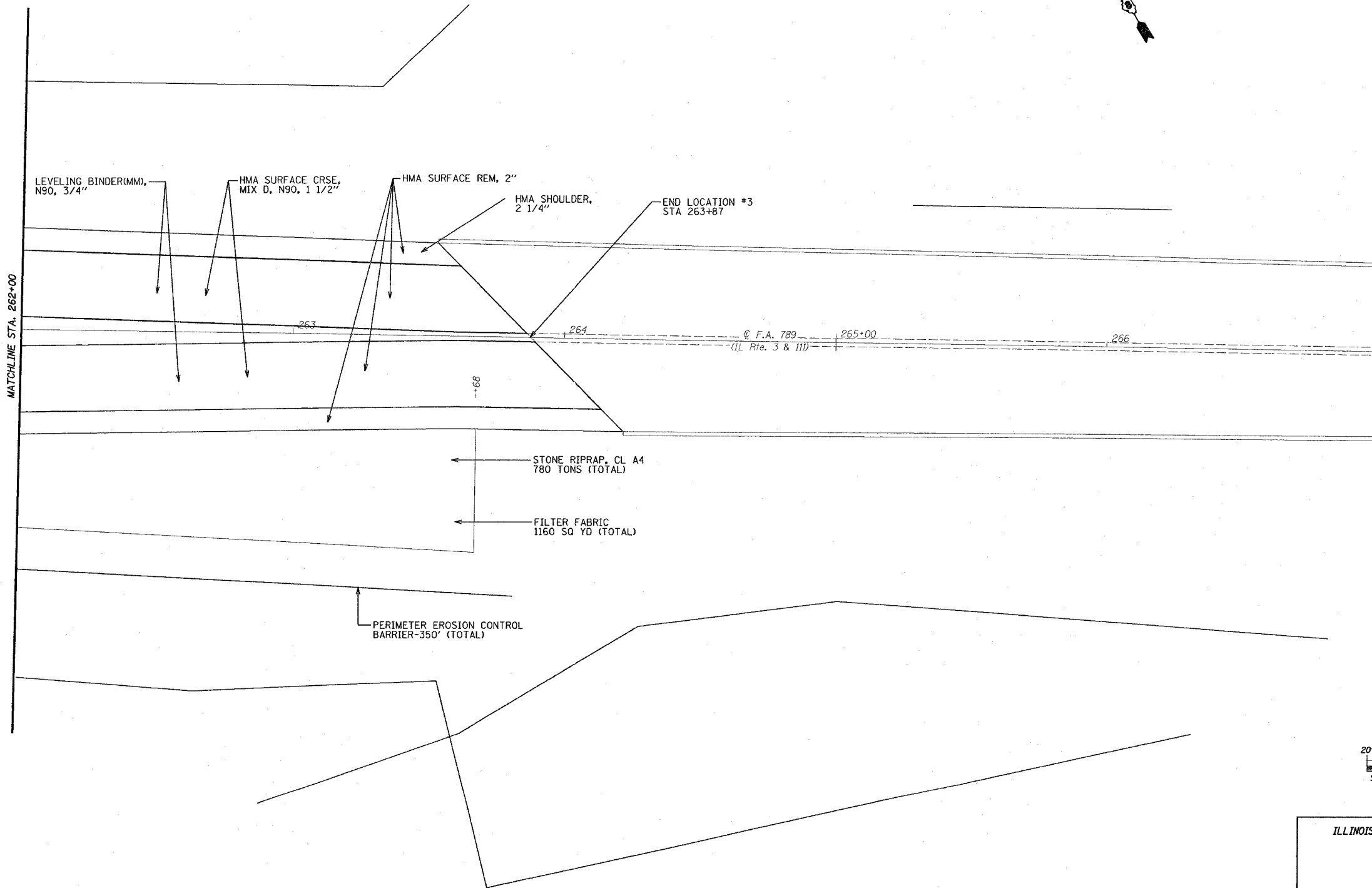
F.A. 789 (IL RTE. 3 & 111)  
SECTION IRS-1  
MADISON COUNTY

PLOT DATE: 4/5/2007

4/5/2007  
4/5/2007  
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REF

P.A.R. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	14
STA. 262+00		TO STA. 263+87		
EXISTING CONDITIONS:				

PLAN	DATE
DESIGNED	
CHECKED	
IN CHARGE	
DATE	



ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEETS  
LOCATION #3**

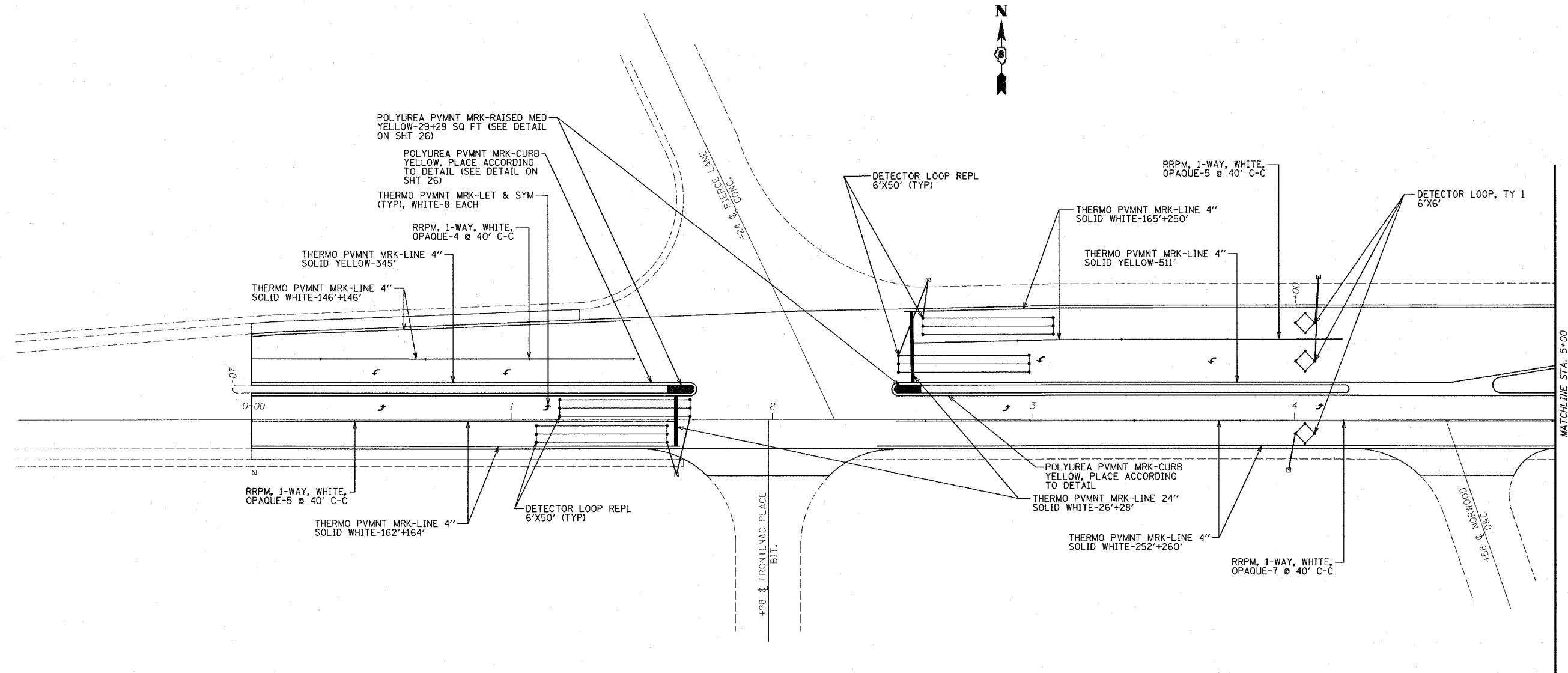
F.A. 789 (IL RTE. 3 & 111)  
SECTION IRS-1  
MADISON COUNTY

PLOT DATE: 4/5/2007

F.A. #	SECTION	COUNTY	TOTAL SHEETS	SHEET #
789	IRS-1	MADISON	26	15
STA. 0+00		TO STA. 5+00		
EXISTING CONDITIONS:				

DATE	BY	REVISION

PLAN  
 SURVEYED  
 ALIGNED  
 CHECKED  
 DATE  
 FILE NAME  
 NO.



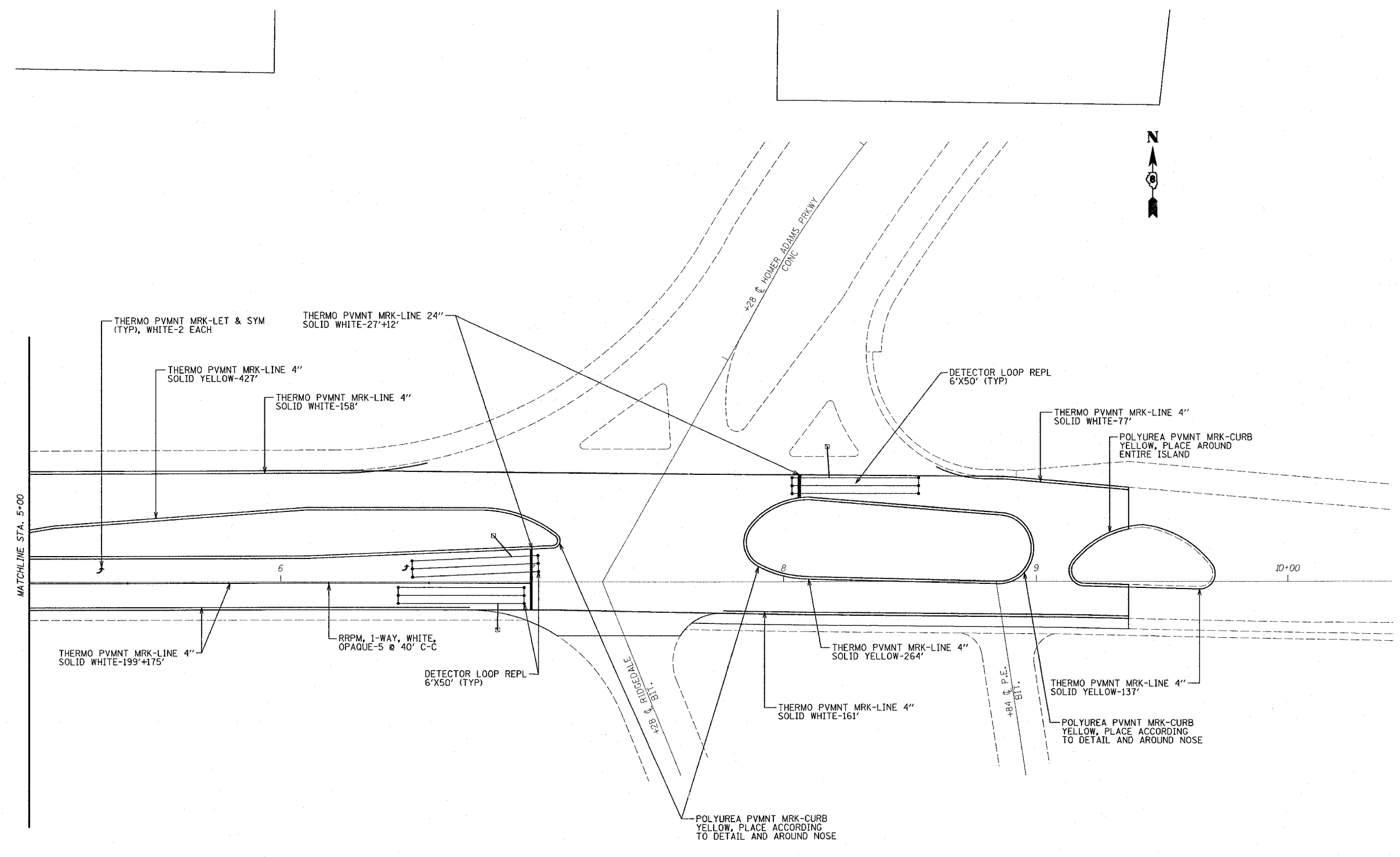
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING & ELECTRICAL  
 LOCATION #1**  
 F.A. 789 (IL RTE. 3 & 111)  
 SECTION IRS-1  
 MADISON COUNTY

PLOT DATE: 4/5/2007

#DATE#  
 4/5/2007  
 #REF#  
 #REF#

F.A.A. No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	16
STA. 5+00		TO STA. 9+37		
EXISTING CONDITIONS:				

PLAN	DATE	BY
DESIGNED		
PLOTTED		
CHECKED		
DATE		
NO.		



ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING & ELECTRICAL LOCATION #1**  
 F.A. 789 (IL RTE. 3 & 111)  
 SECTION IRS-1  
 MADISON COUNTY

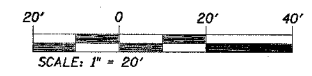
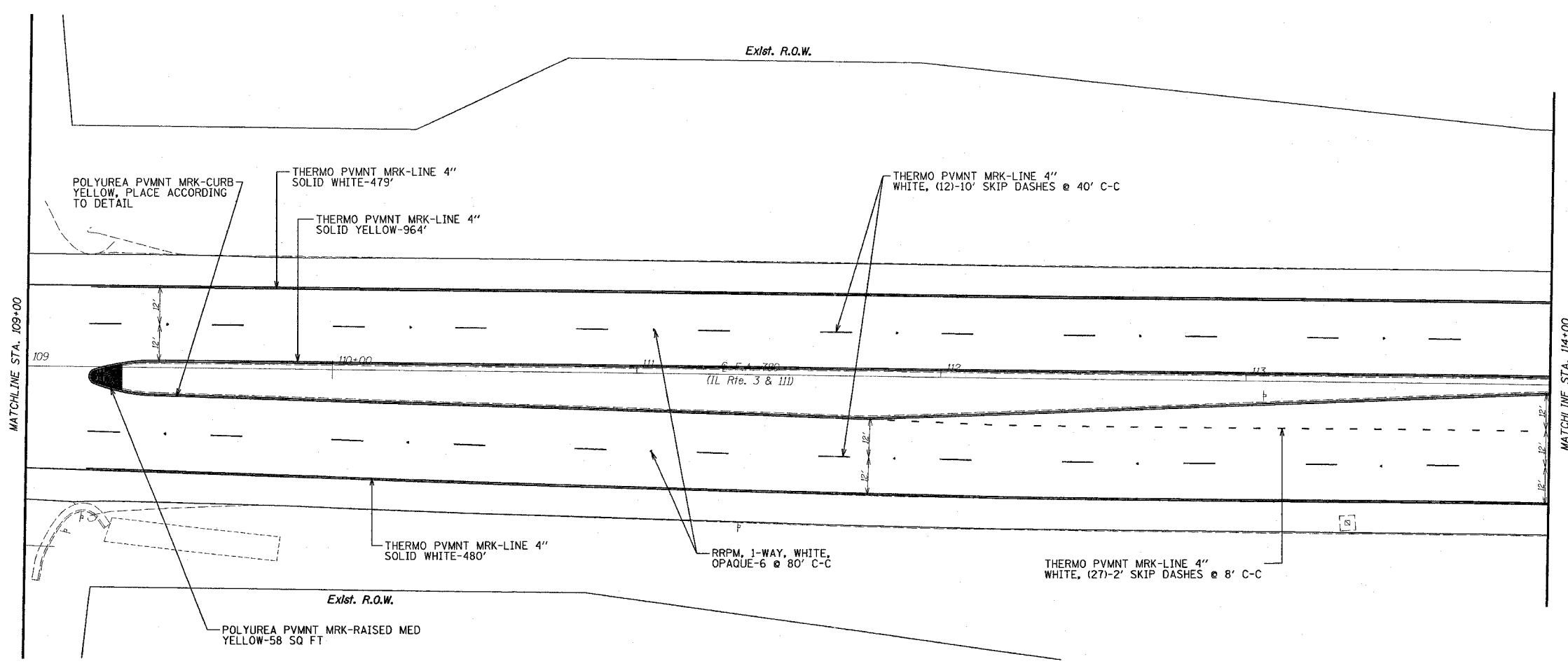
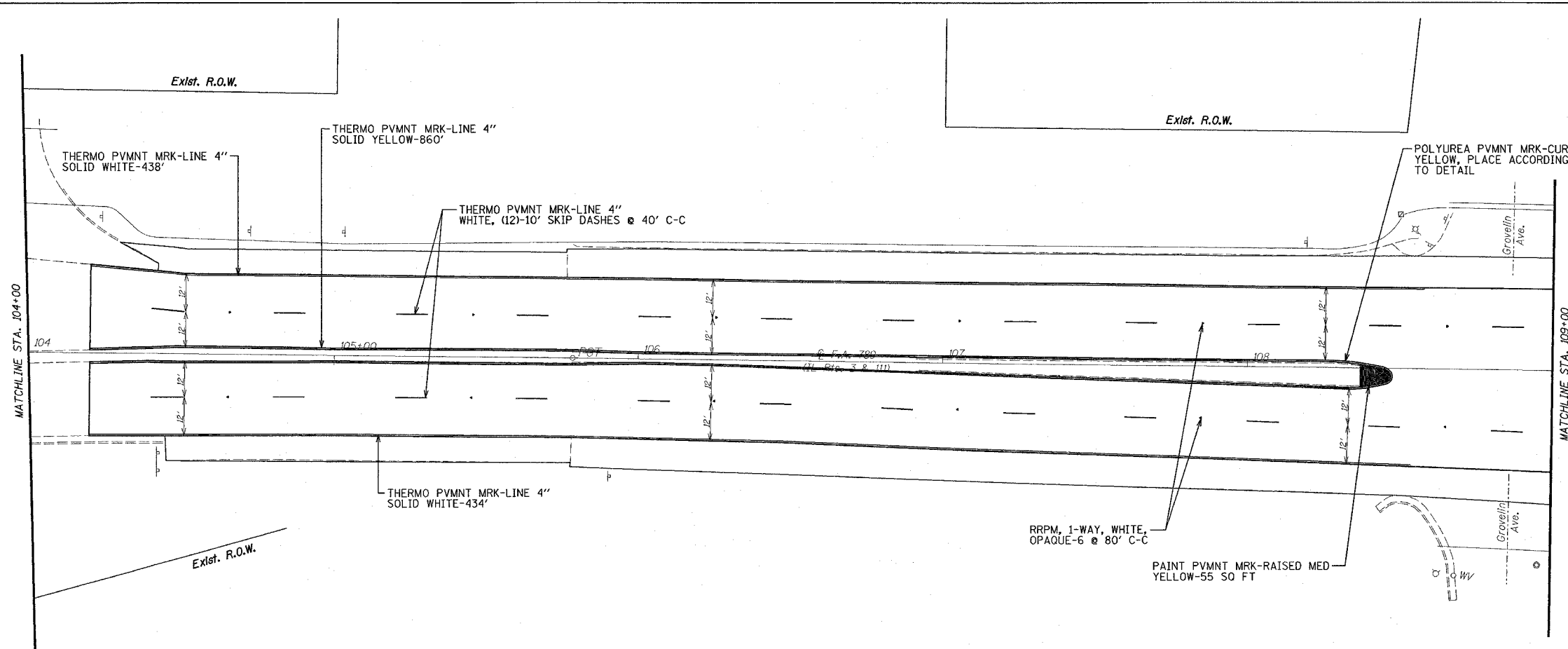
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DATE: 4/5/2007  
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F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	17
STA. 114+10		TO STA. 124+10		
EXISTING CONDITIONS:				

PLAN	DATE
SURVEYED	BY
PLOTTED	BY
CHECKED	BY
DATE	



ILLINOIS DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING & ELECTRICAL LOCATION #2**

F.A. 789 (IL RTE. 3 & 111)

SECTION IRS-1

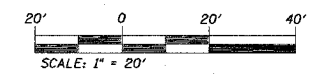
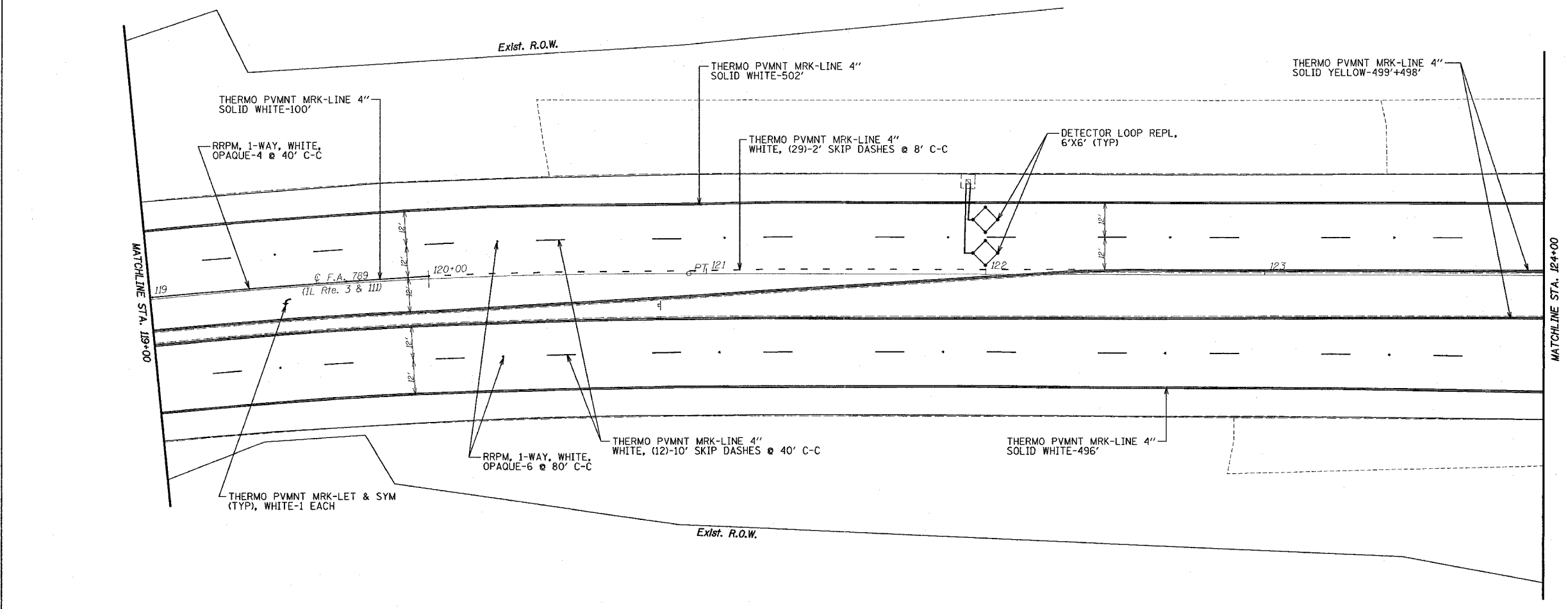
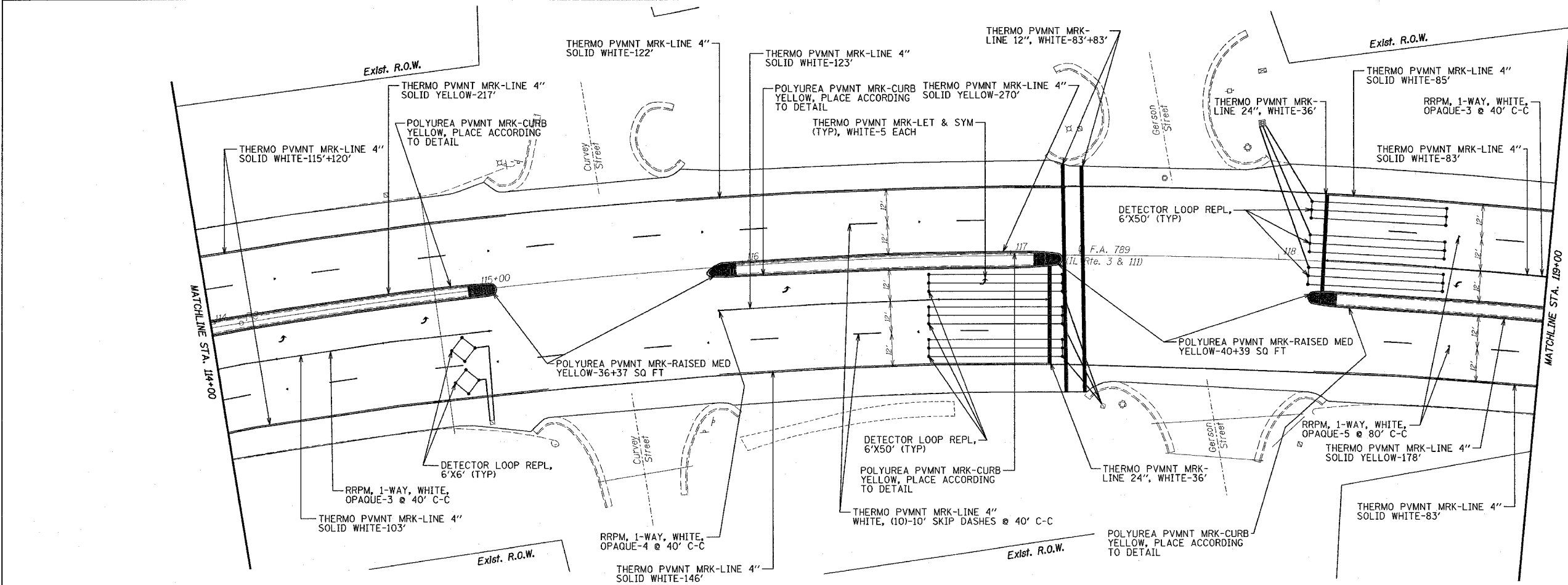
MADISON COUNTY

PLOT DATE: 4/5/2007

4/5/2007  
4/5/2007  
4/5/2007

F.A. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	18
STA. 114+00		TO STA. 124+00		
EXISTING CONDITIONS:				

PLAN	DATE
DESIGNED	
CHECKED	
APPROVED	
DATE	



ILLINOIS DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING  
LOCATION #2**

F.A. 789 (IL RTE. 3 & 111)  
SECTION IRS-1  
MADISON COUNTY

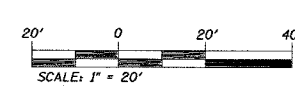
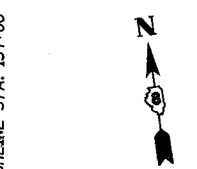
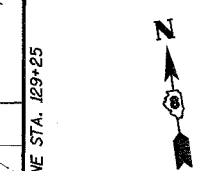
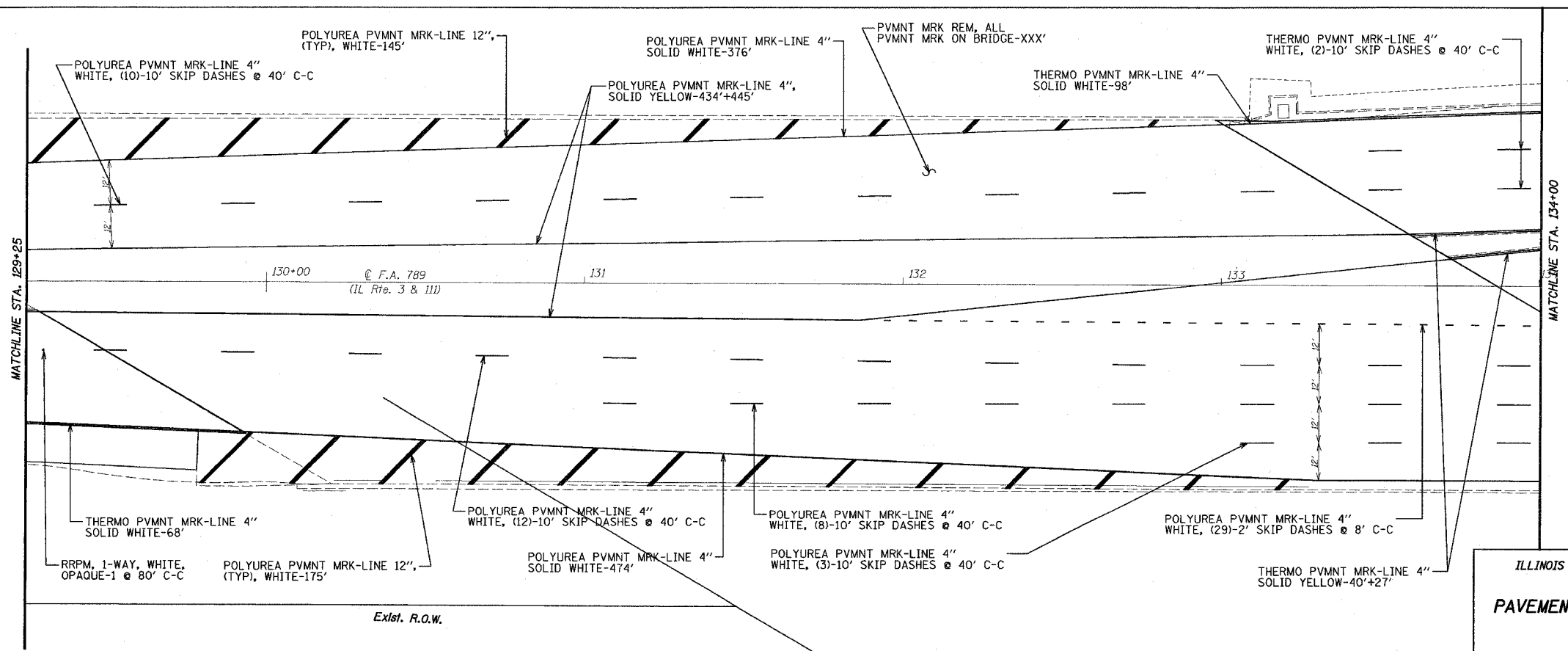
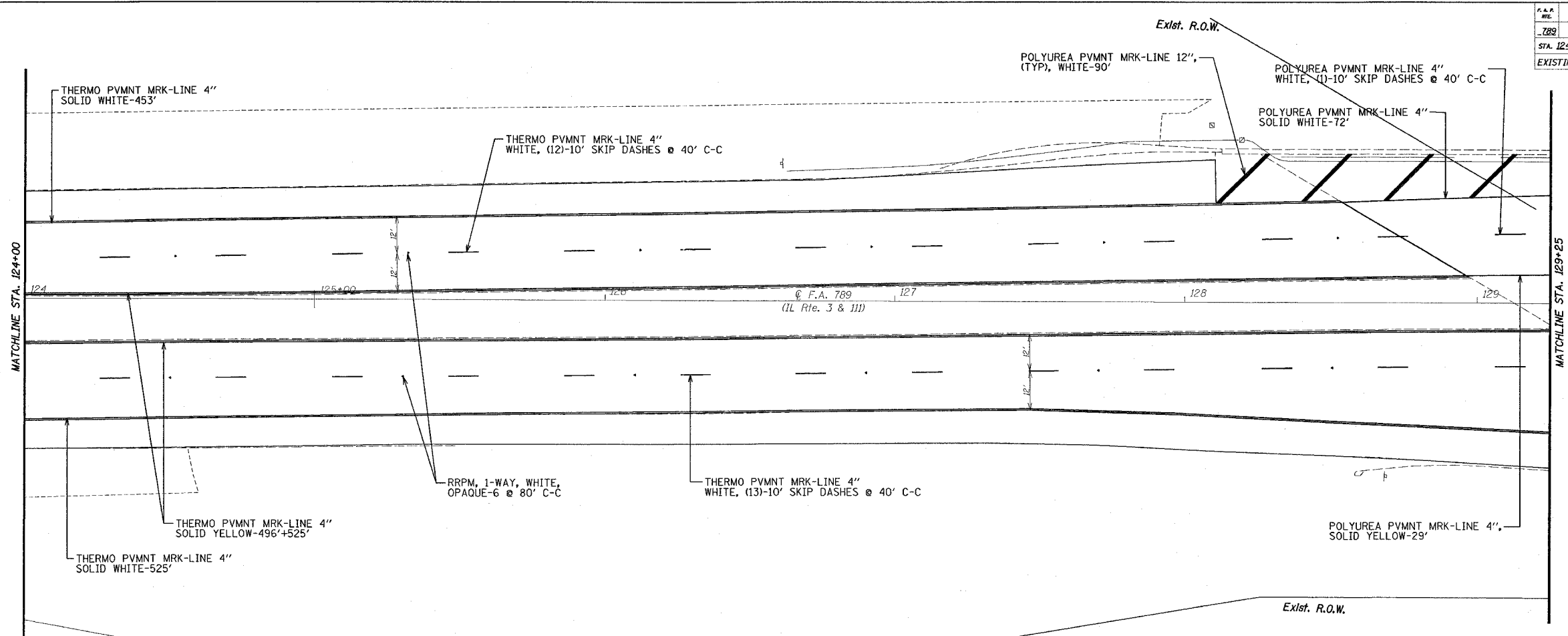
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P.A.P. SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	19
STA. 124+00		TO STA. 134+00		

EXISTING CONDITIONS:

PLAN	DATE	BY
SUBMITTED		
PLOTTED		
DATE OF LAST CHECKED		
DATE FILE NAME		



ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING & ELECTRICAL LOCATION #2**  
 F.A. 789 (IL RTE. 3 & 111)  
 SECTION IRS-1  
 MADISON COUNTY

PLOT DATE: 4/5/2007

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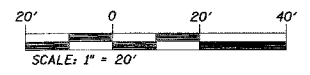
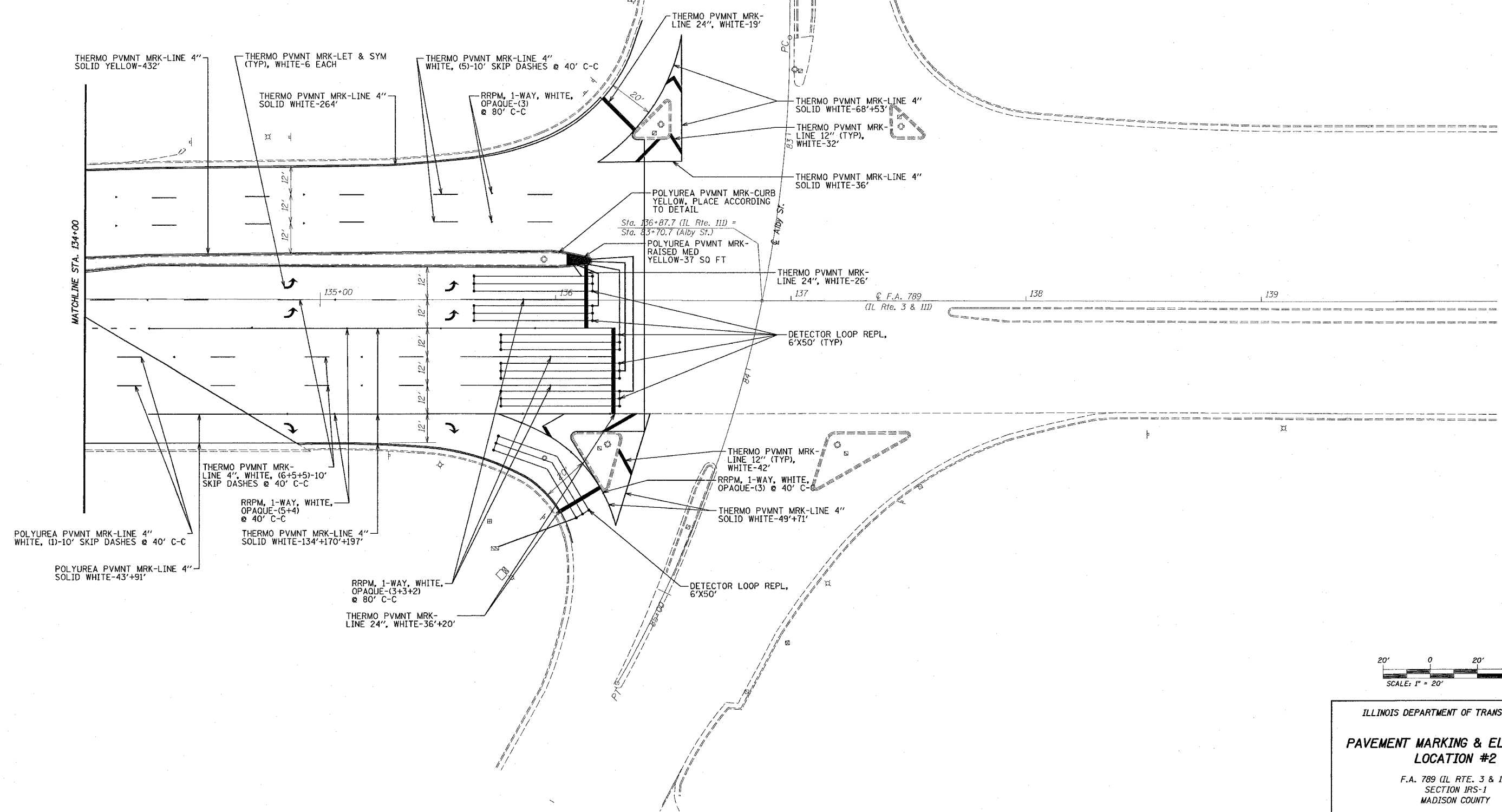
F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	20
STA. 134+00		TO STA. 136+36		
EXISTING CONDITIONS:				



DATE	BY	REVISION

PLAN	DATE	BY	REVISION
DESIGNED			
CHECKED			
APPROVED			
IN CHARGE			
DATE			



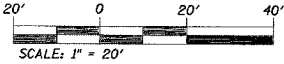
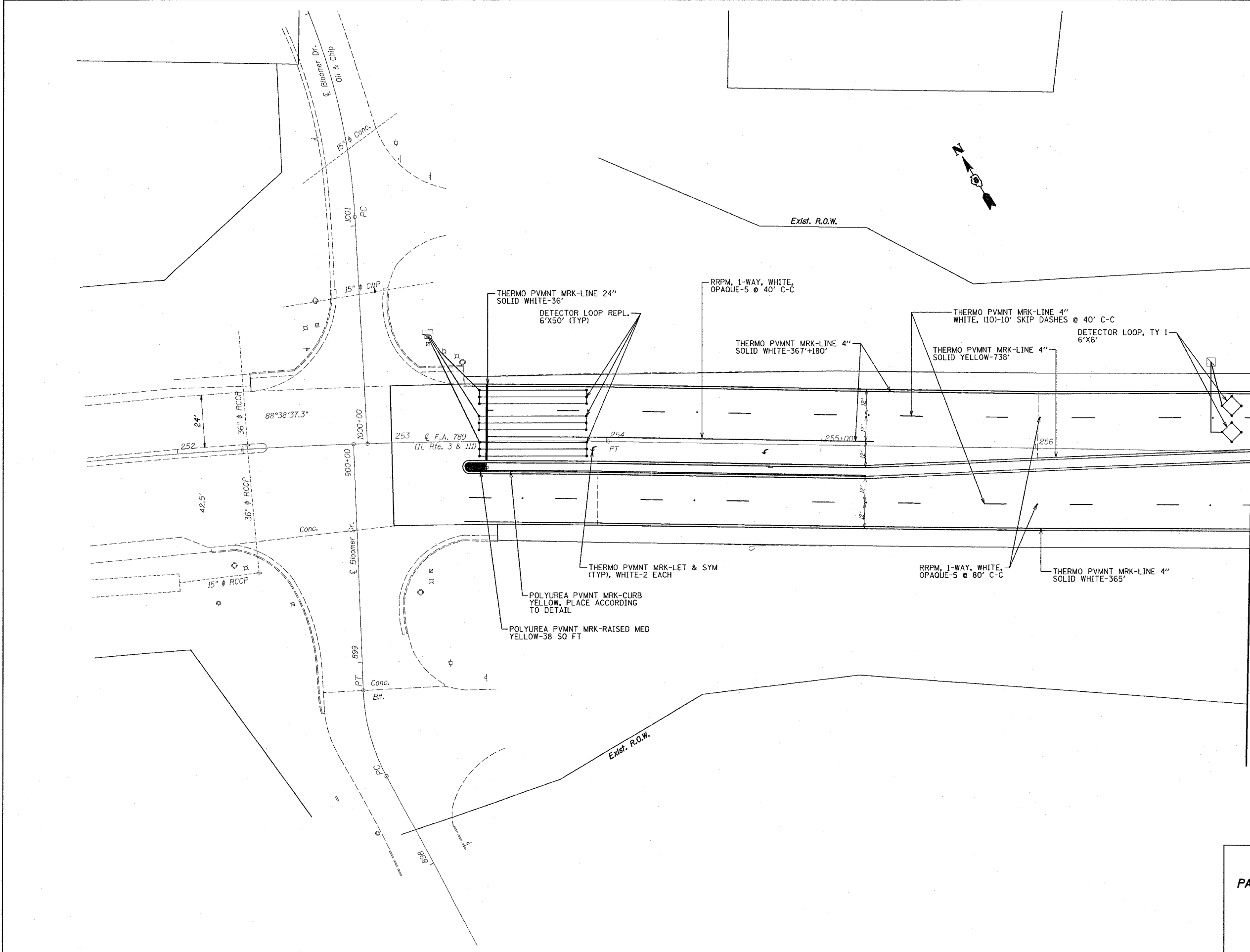
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING & ELECTRICAL LOCATION #2**  
 F.A. 789 (IL RTE. 3 & 111)  
 SECTION IRS-1  
 MADISON COUNTY

PLOT DATE: 4/5/2007

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P.A.A. SHE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	21
STA. 253+00		TO STA. 257+00		
EXISTING CONDITIONS:				

PLAN	DATE
DESIGNED	
PLOTTED	
CHECKED	
DATE	



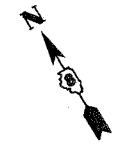
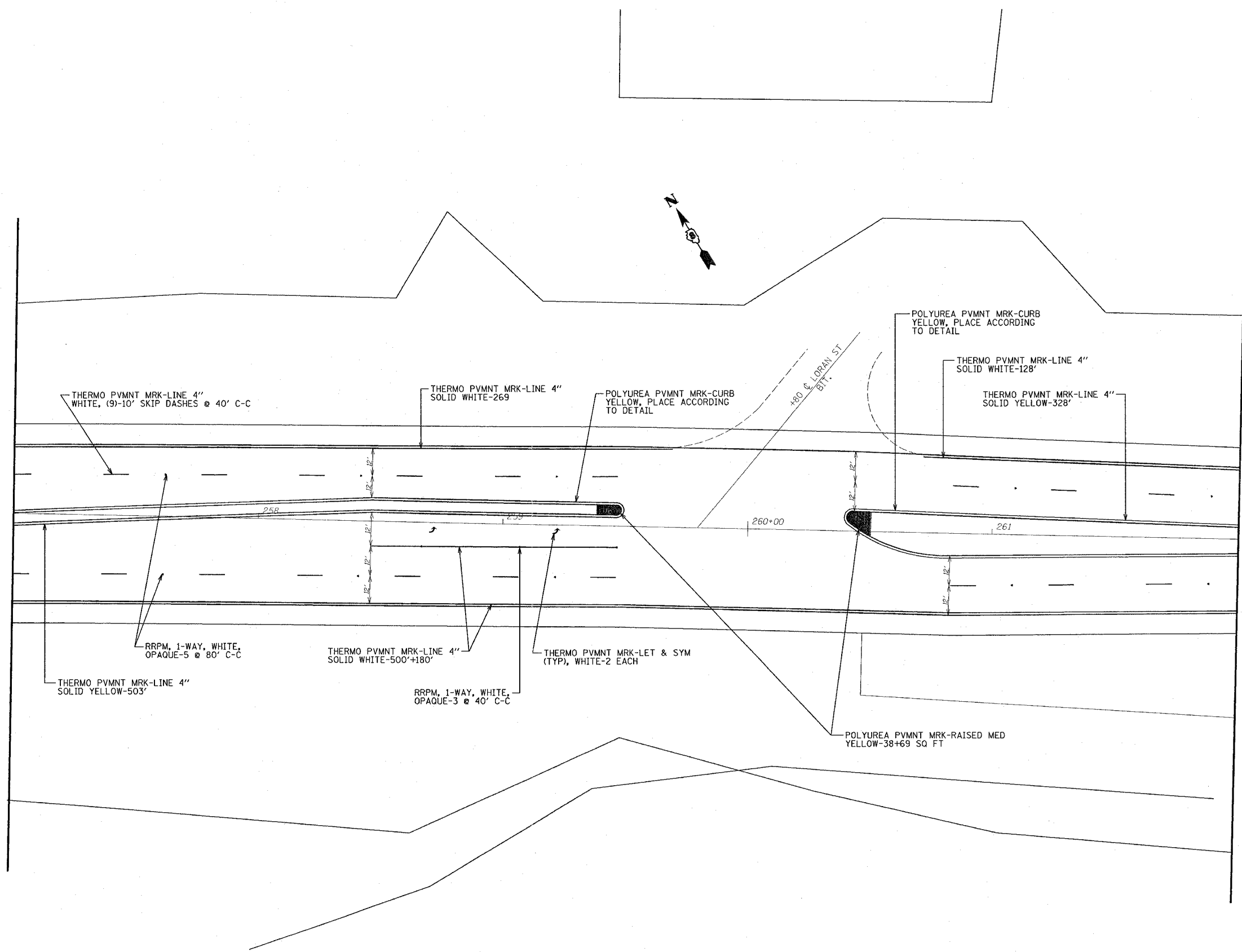
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING & ELECTRICAL  
LOCATION #3**  
F.A. 789 (IL RTE. 3 & 111)  
SECTION IRS-1  
MADISON COUNTY

PLOT DATE: 4/5/2007

4/5/2007  
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F.A.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	22
STA. 257+00 TO STA. 262+00				
EXISTING CONDITIONS:				

PLAN	DATE
SUBMITTED	
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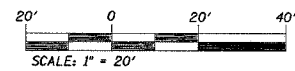
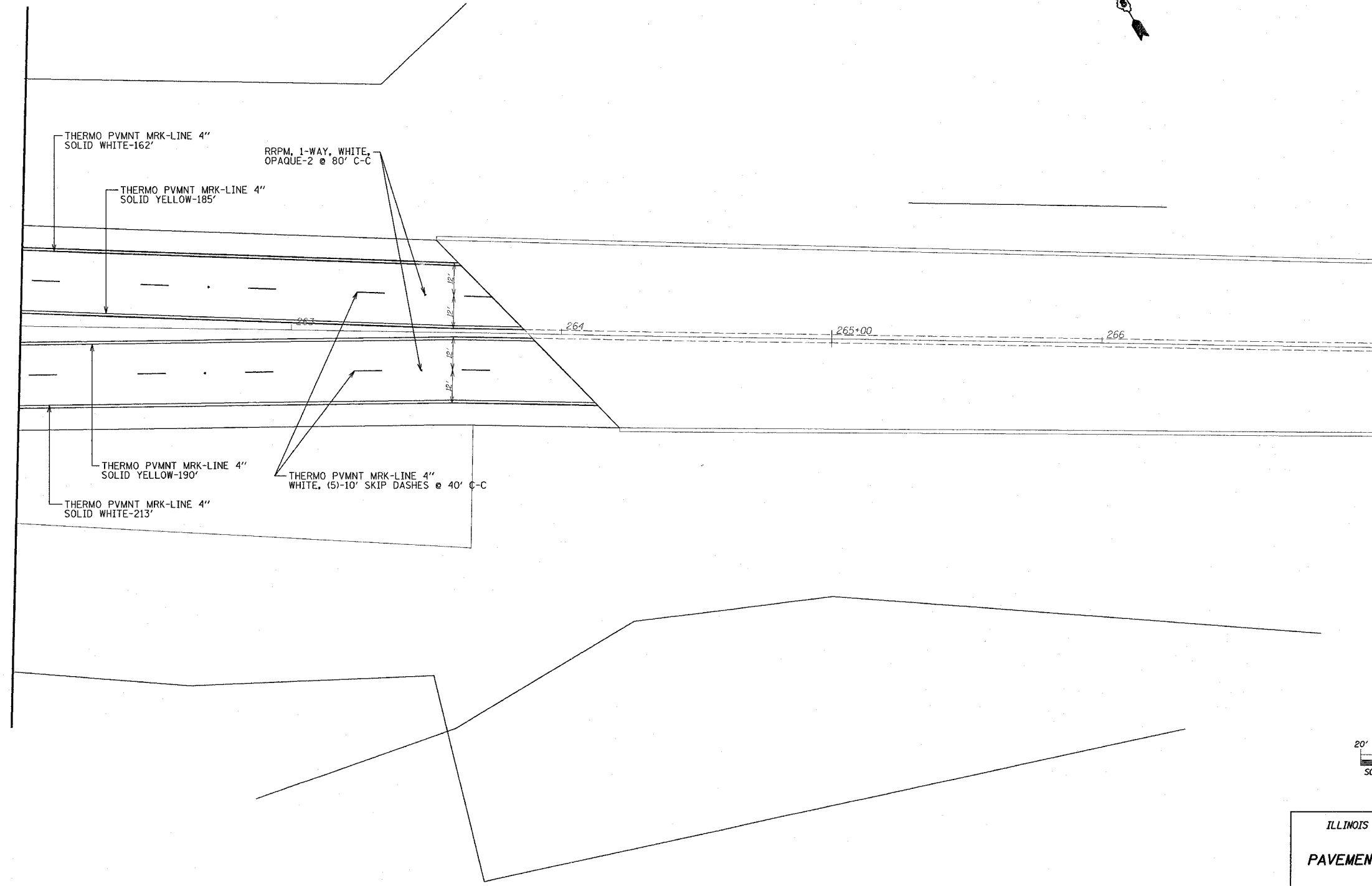
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING & ELECTRICAL LOCATION #3**  
 F.A. 789 (IL RTE. 3 & 111)  
 SECTION IRS-1  
 MADISON COUNTY

PLOT DATE: 4/5/2007

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F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	23
STA. 262+00		TO STA. 263+87		
EXISTING CONDITIONS: _____				

PLAN	DATE	BY	CHECKED	
			DATE	BY
SURVEY				
ALIGNMENT				
PAVEMENT				
MARKING				
ELECTRICAL				
NOTE BOOK				
NO.				
FILE NAME				



ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING & ELECTRICAL  
LOCATION #3**  
F.A. 789 (IL RTE. 3 & 111)  
SECTION IRS-1  
MADISON COUNTY

PLOT DATE: 4/5/2007

#DATE##  
4/5/2007  
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"REF"

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	1RS-1	MADISON	26	24
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 3 AND PIERCE LN / FRONTENAC DR

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS
EB_LT_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
WB_LT_LN	=	6' X 50'	3-6-3
WB_THRU_LN	=	6' X 50'	3-6-3
WB_CCO	=	6' X 6'	6
WB_CCO	=	6' X 6'	6
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DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 3 AND W. HOMER M ADAMS PKY

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS
EB_CCO	=	6' X 6'	6
EB_LT_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
WB_THRU_LN	=	6' X 50'	3-6-3
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DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 3 / IL 111 AND ALBY ST

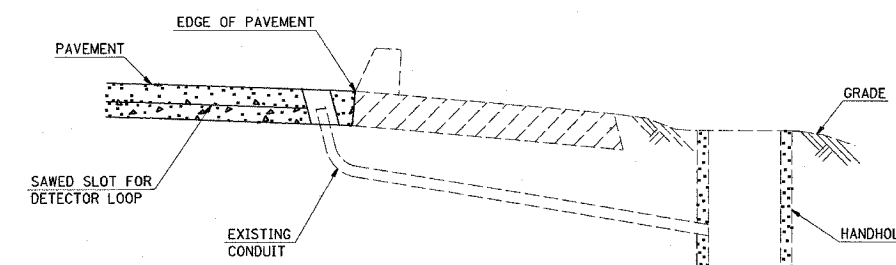
LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS
EB_LT_LN	=	6' X 50'	3-6-3
EB_LT_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
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DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 3 / IL 111 AND BLOOMER DR

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS
WB_CCO	=	6' X 6'	6
WB_CCO	=	6' X 6'	6
WB_LT_LN	=	6' X 50'	3-6-3
WB_THRU_LN	=	6' X 50'	3-6-3
WB_THRU_LN	=	6' X 50'	3-6-3
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DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 3 / IL 111 AND GERSON AVE.

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS
EB_CCO	=	6' X 6'	7
EB_CCO	=	6' X 6'	7
EB_LT_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
WB_LT_LN	=	6' X 50'	3-6-3
WB_THRU_LN	=	6' X 50'	3-6-3
WB_THRU_LN	=	6' X 50'	3-6-3
WB_CCO	=	6' X 6'	6
WB_CCO	=	6' X 6'	6



**DETAIL**  
(NO SCALE)  
**RE-USE EXISTING DETECTOR LOOP LEAD-IN CONDUIT**

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

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

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION <b>DETECTOR LOOP TABLES AND DETAIL</b>  FAP ROUTE 789 SECTION: 1RS-1 MADISON COUNTY
NAME	DATE	
		SCALE: VERT. _____ HORIZ. _____ DATE _____
DRAWN BY _____		CHECKED BY _____

PLOT DATE = 4/15/2007  
 FILE NAME = c:\p\projects\view\ed88887\electrical\sp1n88887.dgn  
 PLOT SCALE = 500000 / IN.  
 REFERENCE = 41874





