

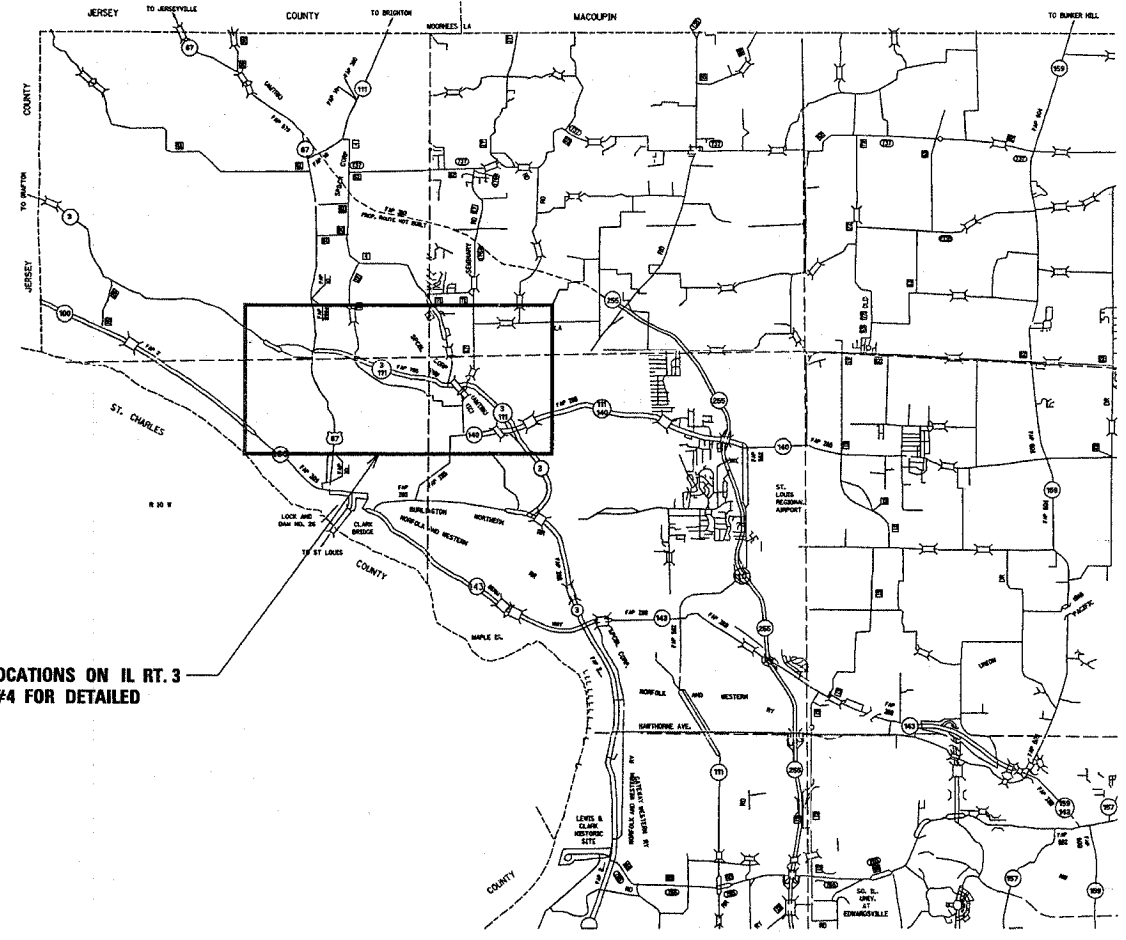
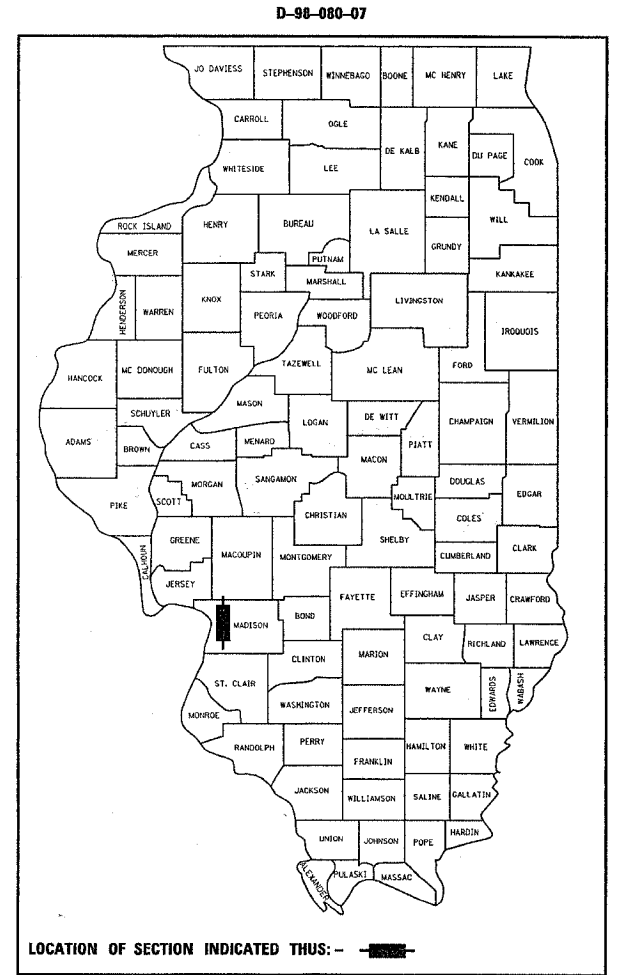
76B06

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

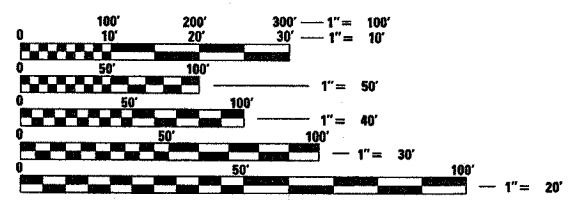
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**
FAP ROUTE 789 (IL 3)
SECTION 1RS-1
~~PROJECT~~
MILLING AND RESURFACING
MADISON COUNTY
C-98-084-07

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PLAN	SUBMITTED	DATE
NOTE BOOK	ALLOWED	
NO.	PT. OF WAY CHECKED	
	DATE FILED	



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

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

SCALE: 1" = 3 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED April 5 20 07
Mary C. Lomic
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER

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

May 11 20 07
Milton R. Suss
DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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

GENERAL NOTES

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	2
STA. _____		TO STA. _____		
EXISTING CONDITIONS: _____				

- THE STANDARDS AND REVISIONS NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
- 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

- 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.
- 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.
- THE RATES OF APPLICATION IN THE PLANS ARE NOMINAL. DEVIATIONS WILL BE ALLOWED AS SPECIFIED BY THE ENGINEER IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SURFACE	LEVEL BINDER	INCIDENTAL SURFACE	SHOULDERS	FULL DEPTH PATCH
AC/PC	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
FRICTION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "C"	BAM	MIXTURE "B"

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- FLAGMEN SHALL BE PRESENT DURING ALL CLOSURE HOURS INCLUDING LUNCH HOUR AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE ROADWAY IS TO REMAIN OPEN TO TRAFFIC DURING CONSTRUCTION OPERATIONS. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED ON THIS PROJECT.
- "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").
- 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.
- SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM.
- 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.
- 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.
- MILLINGS TO BE DELIVERED TO THE MITCHELL OPERATIONS YARD. PLEASE CONTACT STEVE WHEELER AT 259-1440 PRIOR TO DELIVERING.
- 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.
- 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.

- 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.
- 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.
- ANY AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO THE ORIGINAL CONDITIONS. ANY SEEDING SHALL BE INCIDENTAL AND NO COMPENSATION WILL BE ALLOWED.
- IF DURING MILLING OPERATIONS, DETECTOR LOOPS ARE DEEP ENOUGH THAT MILLING DOES NOT DISTURB THEM, NEW ONES WILL NOT BE NEEDED.
- WATER VALVE ADJUSTMENT REQUIRED PRIOR TO PLACEMENT OF INCIDENTAL HOT MIX ASPHALT SURFACING AT LOCATION #1 (FRONTENAC PLACE). NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

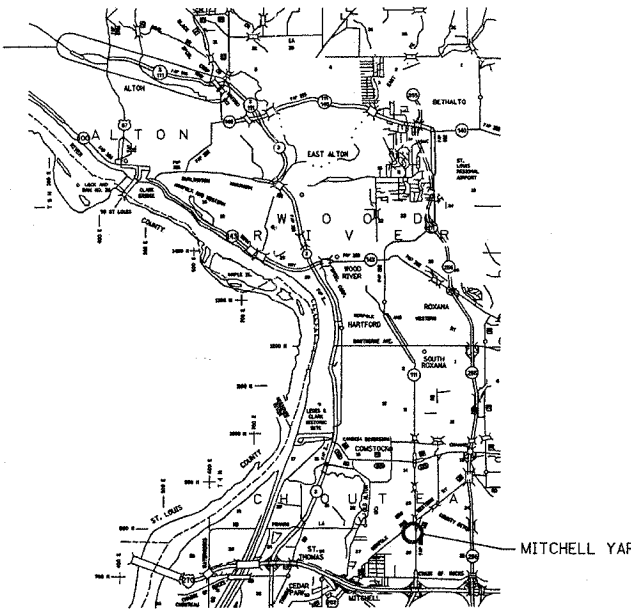
STANDARDS

000001-04	701301-02	781001-02
442201-02	701311-02	886001
701001-01	701426-02	886006
701006-02	701601-03	701400-02
701011-01	701701-04	
701101-01	702001-06	
701106-01	780001-01	

INDEX OF SHEETS

- COVER SHEET
- GENERAL NOTES, INDEX OF SHEETS & STANDARDS
- SUMMARY OF QUANTITIES
- LOCATION MAPS
- PATCHING AND RESURFACING SCHEDULE
- PLAN SHEETS
- PAVEMENT MARKING AND ELECTRICAL
- DETECTOR LOOP TABLES AND DETAIL
- MILLING AND SIDEROAD DETAILS
- RIPRAP AND CURB MARKING DETAILS

PROJECT LOCATIONS



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

Rev. PLOT DATE: 4/5/2007

DATE: _____
BY: _____
CHECKED: _____
DATE: _____
PLAN NO. _____

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4/5/2007
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"REV"

SUMMARY OF QUANTITIES

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	3

EXISTING CONDITIONS:

SUMMARY OF QUANTITIES			100% STATE URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		LOCATION #1 1000	LOCATION #2 1000	LOCATION #3 1000
28000400	PERIMETER EROSION BARRIER	FOOT	350			350
28100207	STONE RIPRAP, CLASS A4	TON	780			780
28200200	FILTER FABRIC	SQ YD	1160			1160
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	12.1	1.8	7.5	2.8
40600300	AGGREGATE (PRIME COAT)	TON	59	9	36	14
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	1274	195	785	294
40600895	CONSTRUCTING TEST STRIP	EACH	1	1		
40600990	TEMPORARY RAMP	SQ YD	1351	456	720	175
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	2546	390	1569	587
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	29	29		
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	38288	5643	23814	8831
44200152	PAVEMENT PATCHING, TYPE I, 13 INCH	SQ YD	10	10		
44200156	PAVEMENT PATCHING, TYPE II, 13 INCH	SQ YD	74	6	27	41
44200160	PAVEMENT PATCHING, TYPE III, 13 INCH	SQ YD	77		77	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	85	85		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	902	26	646	230
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	2	2	1
67100100	MOBILIZATION	L SUM	1	0.3	0.3	0.4
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.3	0.3	0.4
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.3	0.3	0.4
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	4	2		2
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	7518	1488	4694	1336
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	23982	4557	14421	5004
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	628	124	392	112
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	407	156	188	63
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	21450	3999	12663	4788
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	240		240	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	302	93	173	36
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	2382		2382	
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	410		410	

SUMMARY OF QUANTITIES			100% STATE URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		LOCATION #1 1000	LOCATION #2 1000	LOCATION #3 1000
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	163	26	99	38
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1197		1197	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	208	49	119	40
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	340	80	200	60
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	4285	770	2890	625
* X7800450	POLYUREA PAVEMENT MARKING TYPE I - CURB	FOOT	932	452	336	144
* X7800455	POLYUREA PAVEMENT MARKING TYPE I - RAISED MEDIAN	SQ FT	505	58	302	145

* SPECIALTY ITEMS

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

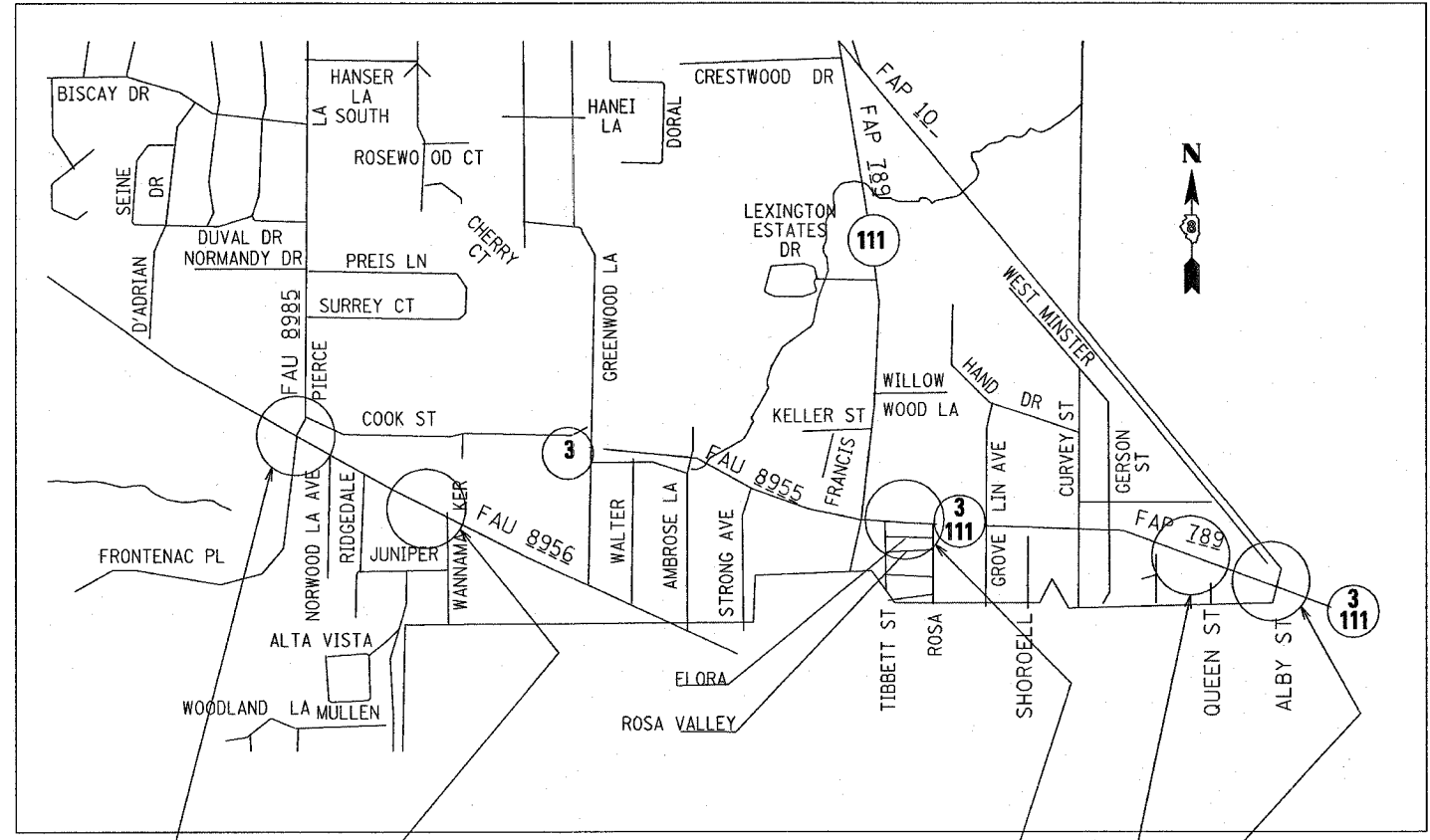
F.A.P. 789 (IL RTE. 3 & 111)
SECTION IRS-1
MADISON COUNTY

PLOT DATE: 4/5/2007

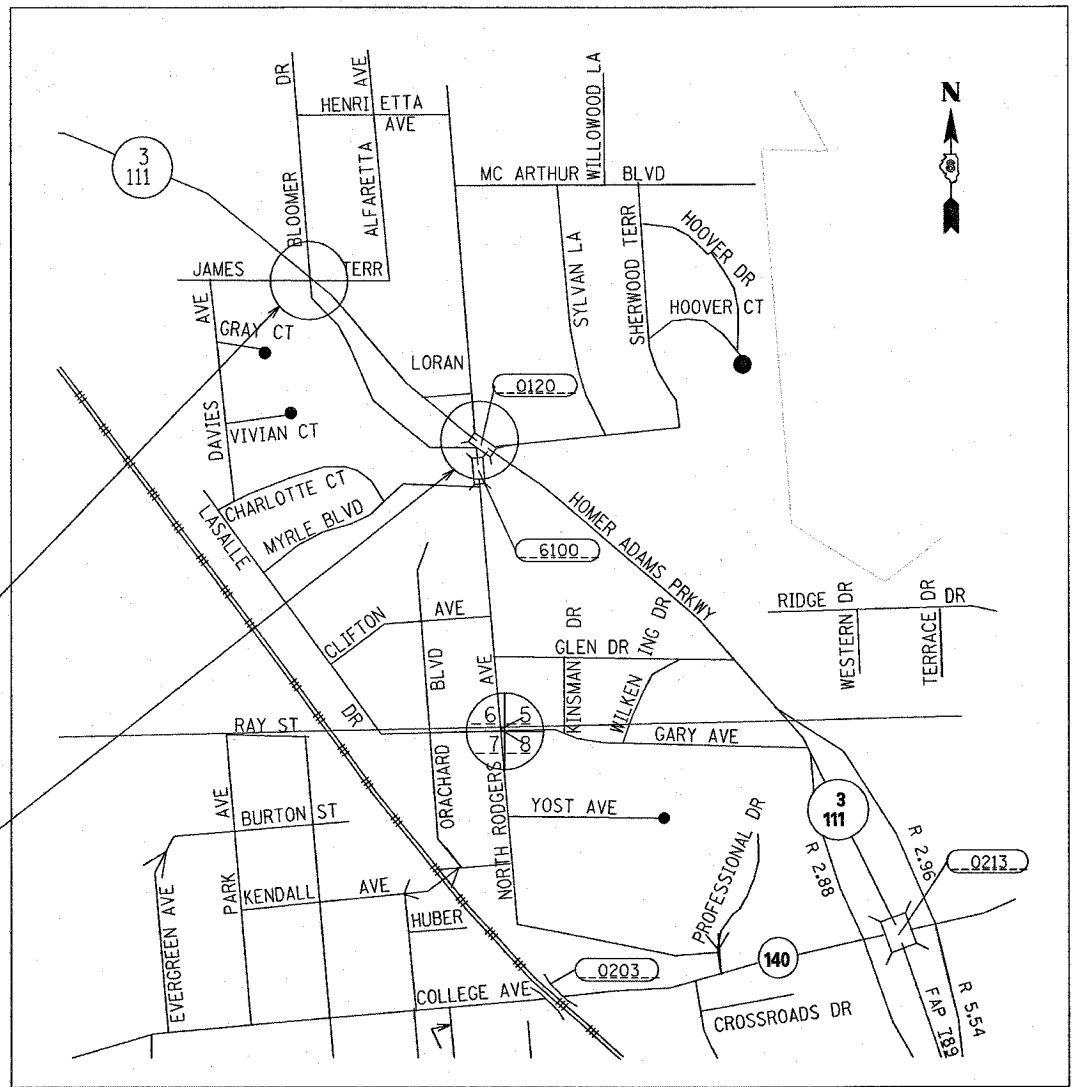
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CHECKED	
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APPROVED	
DATE	

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4/5/2007
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REF

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	4
STA.	TO STA.			
EXISTING CONDITIONS:				



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

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.

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

BRIDGE
OMMISSION
STA. 129+13
TO 133+86

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

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.

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 #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.

ILLINOIS DEPARTMENT OF TRANSPORTATION

**LOCATION
MAPS**

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

PLOT DATE: 4/5/2007

PLAN	SURVEYED	DATE
BY	BY	BY
NOTE BOOK REF. OF WAY CHECKED		
CADD FILE NAME		

ADITC# 4/5/2007
@poln@nd07@nd07c.com
REF

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 _____
 ALIGNED _____
 PLAN _____
 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
TOTALS		9.78	5.78	

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
TOTALS		40.87	

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
TOTALS		27.34	76.44	

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	
TOTALS	9.78	73.99	76.44

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
LOCATION #1 TOTALS	390	195	1.8	9	5643	85	26	29

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	-
LOCATION #2 TOTALS	1569	785	7.5	36	23814	646

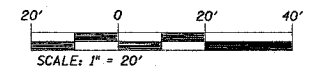
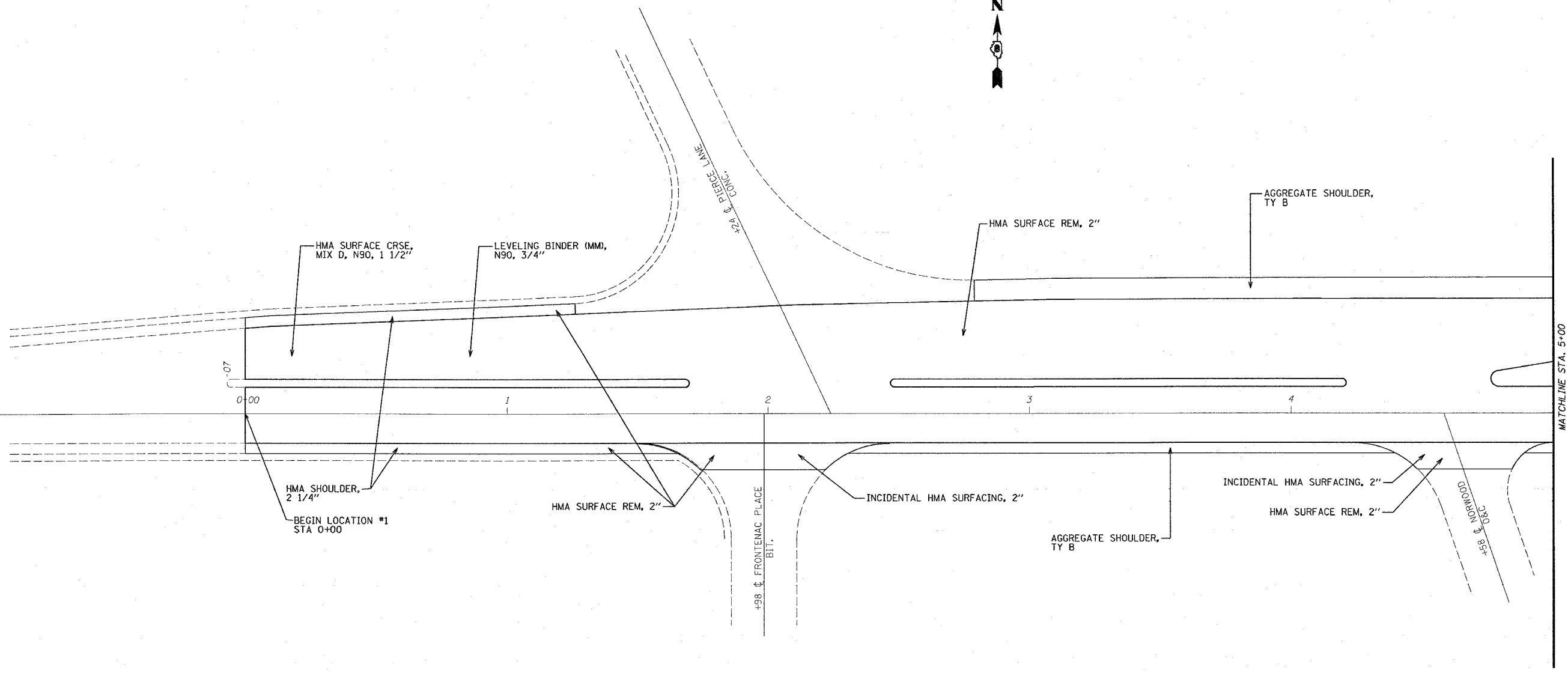
STATION	HOT MIX ASPHALT SURF. N90 TONS	LEVELING BINDER N90 TONS	BIT. MATL. PRIME COAT TONS	AGGREGATE PRIME COAT TONS	HOT-MIX ASPHALT REMOVAL SQ. YDS.	HOT-MIX ASPHALT SHOULDER TONS
253+00 TO 264+18	587	294	2.8	14	8831	230
LOCATION #3 TOTALS	587	294	2.8	14	8831	230

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

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
SUBMITTED	
APPROVED	
NOTED	
BY	
DATE	



ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LOCATION #1

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

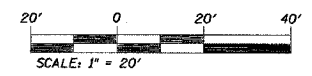
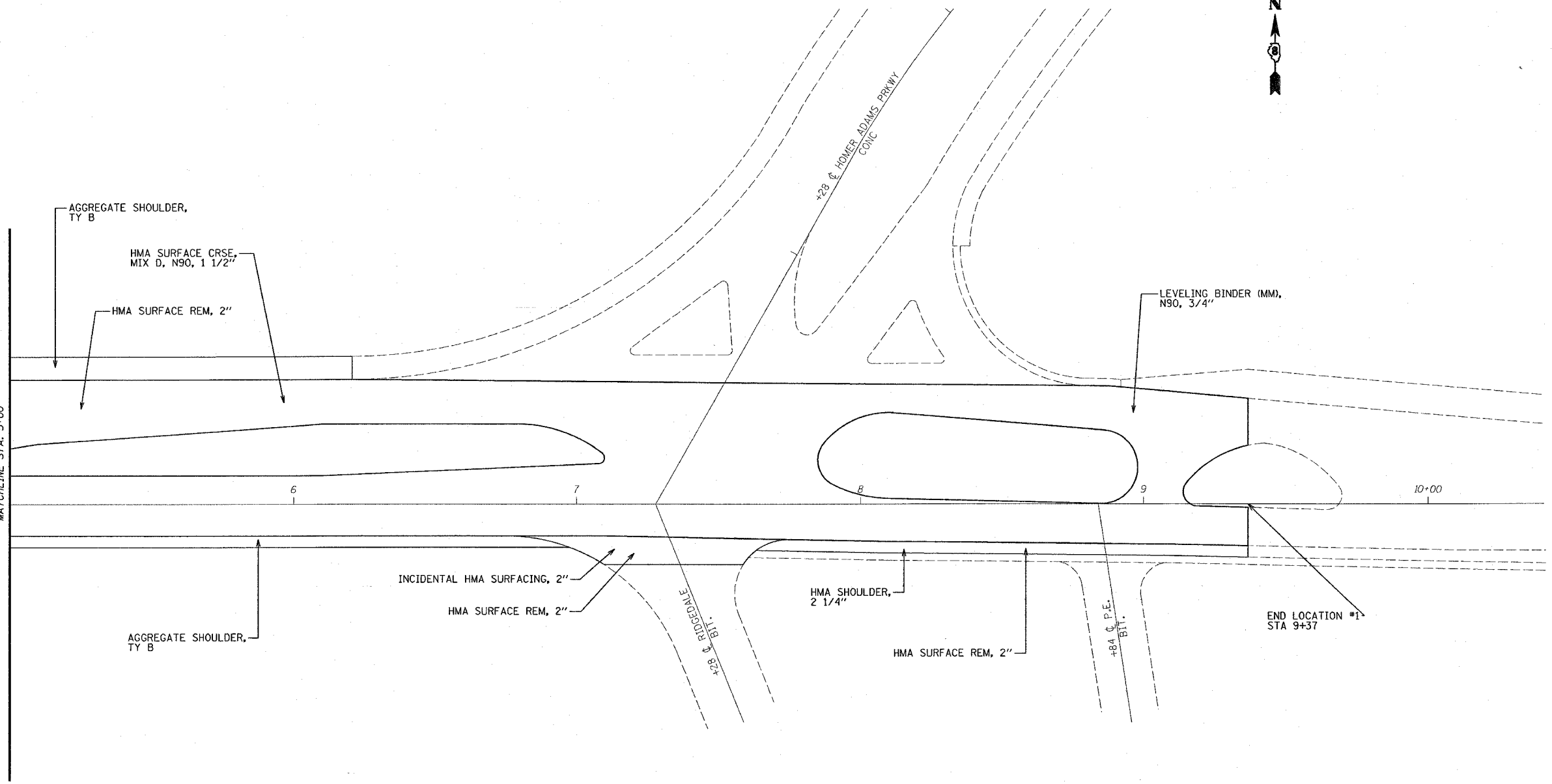
PLOT DATE: 4/5/2007

4/5/2007
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F.A. 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
SURVEY		
DESIGN		
CHECKED		
DATE		
NO.		

MATCHLINE STA. 5+00



ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LOCATION #1

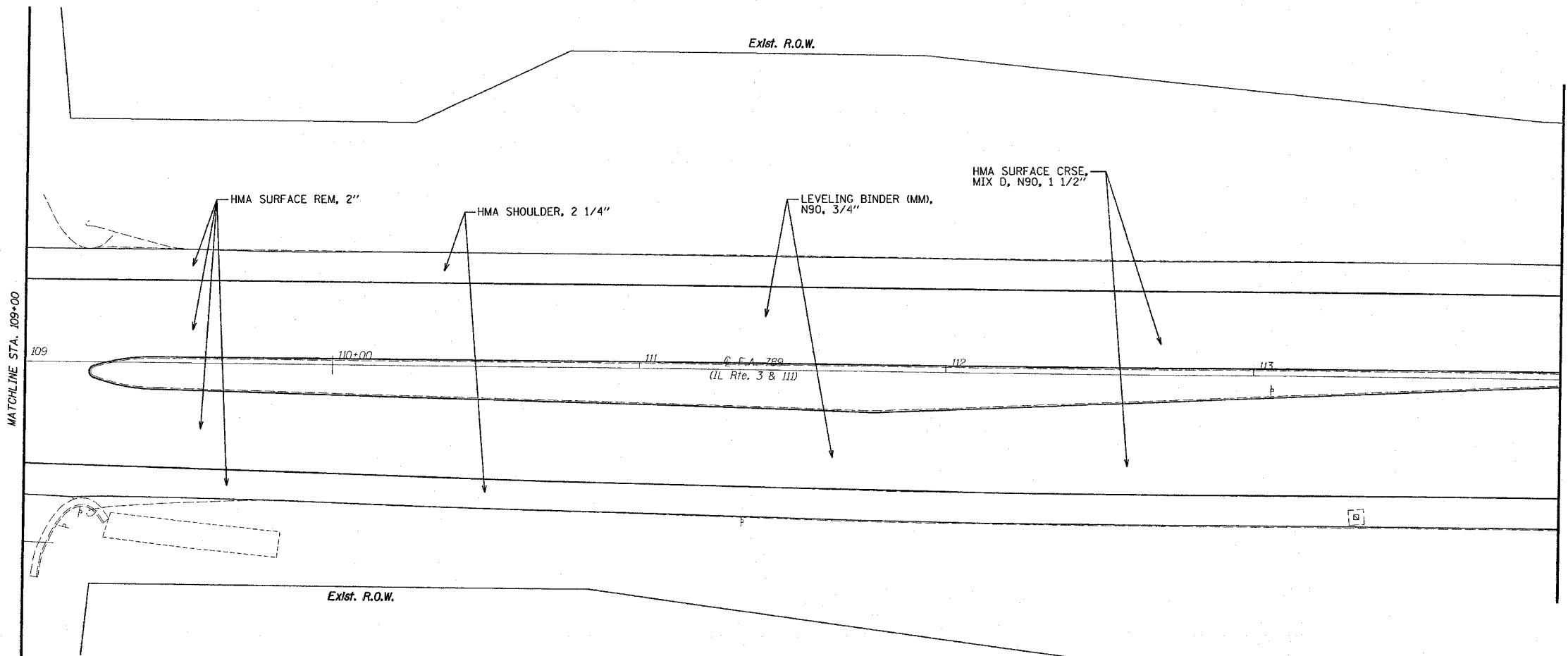
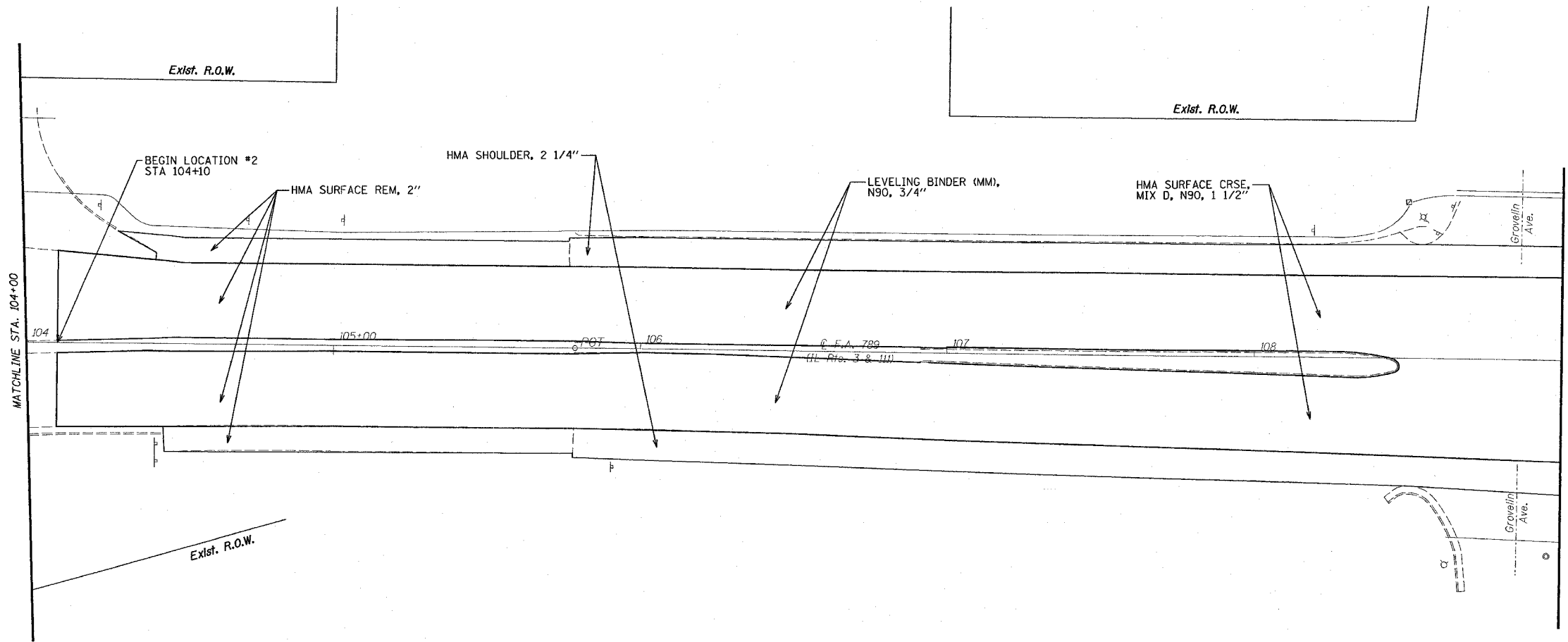
F.A. 789 (IL RTE. 3 & 111)
SECTION IRS-1
MADISON COUNTY

PLOT DATE: 4/5/2007

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P.A.R. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	B
STA. 104+10		TO STA. 114+00		
EXISTING CONDITIONS:				

PLAN	DATE
SURVEYED	BT
NOTE BOOK	
ALIGNMENT CHECKED	
BY	
DATE	
ASST. CHECKED	
DATE	
BY	
DATE	



ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEETS
LOCATION #2**

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

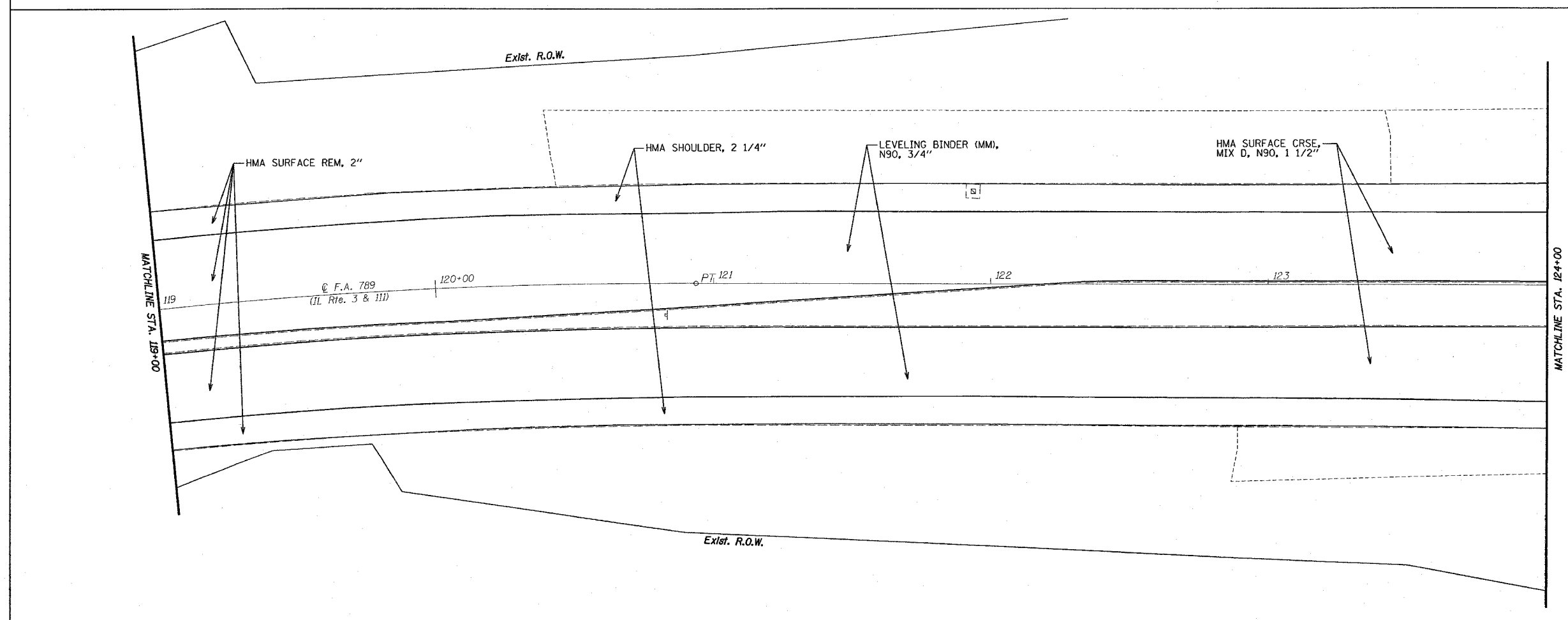
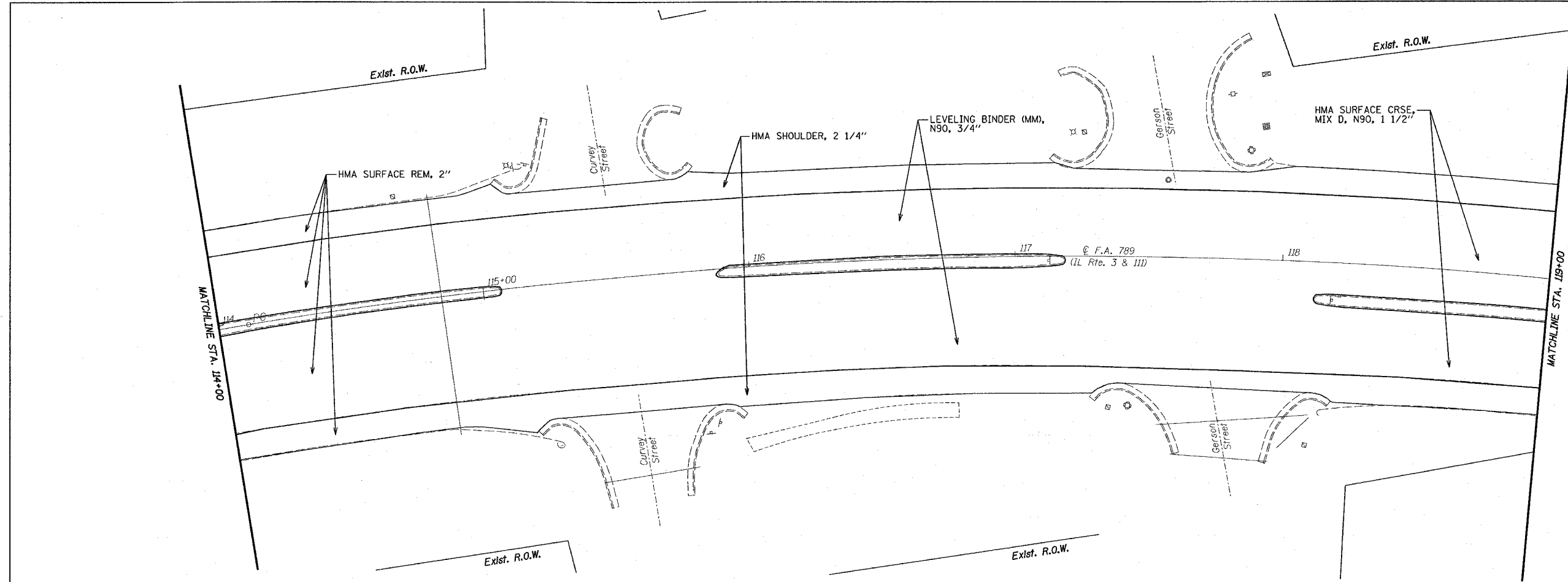
PLOT DATE: 1/5/2007

DATE: 4/5/2007
BY: [Signature]
PROJECT: [Signature]

F.A.A. No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	9
STA. 114+00		TO STA. 124+00		

EXISTING CONDITIONS:

PLAN	DATE
DESIGNED	
CHECKED	
IN CHARGE	
DATE	



ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEETS
LOCATION #2**

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

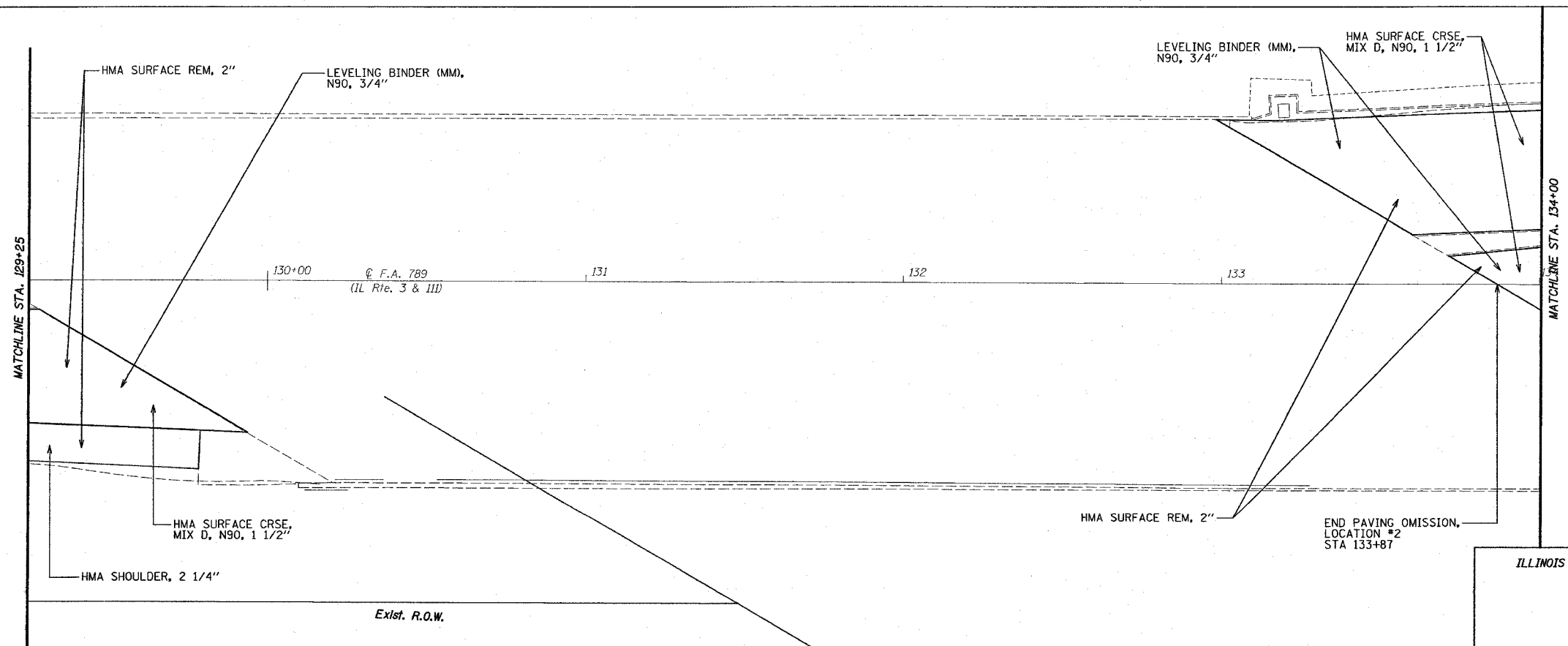
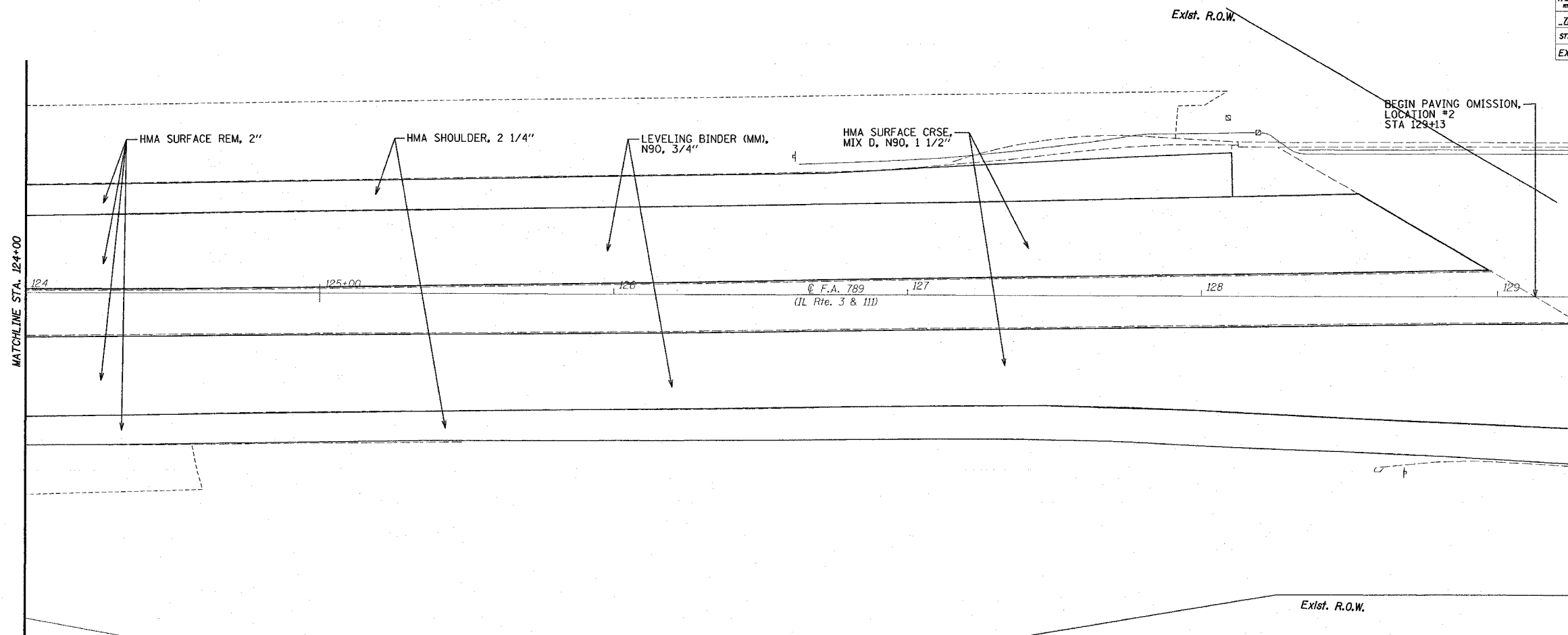
PLOT DATE: 4/5/2007

4/5/2007
 c:\projects\600007\plan\plan007.dgn
 REF

F.A.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	10
STA. 124+00		TO STA. 134+00		

EXISTING CONDITIONS: _____

FLAN	DATE
SUPERVISOR	
DESIGNER	
CHECKER	
DATE	
PROJECT	
FILE NAME	



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

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	11
STA. 134+00		TO STA. 136+36		
EXISTING CONDITIONS: _____				

PLAN	DATE	BY
DESIGNED		
CHECKED		
APPROVED		
NO. _____		
FILE NAME		

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.)

END LOCATION #2
STA 136+38

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



ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEETS
LOCATION #2**

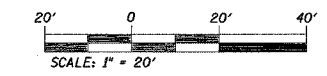
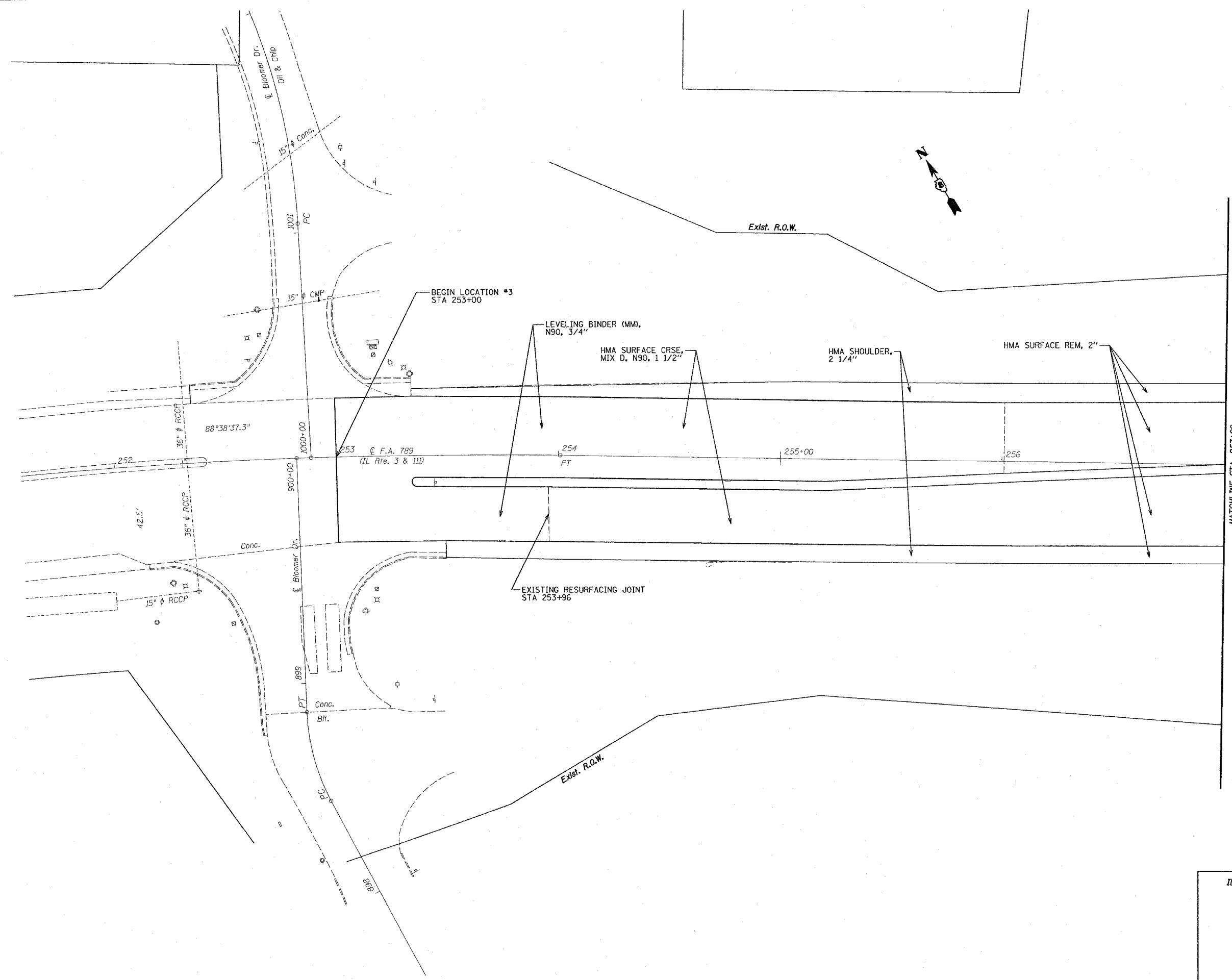
F.A. 789 (IL RTE. 3 & 111)
SECTION IRS-1
MADISON COUNTY

PLOT DATE: 4/5/2007

#DATE#
#REF#
#REF#

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	DATE
SUBMITTED	
ALIGNED	
CHECKED	
BY	
DATE	



ILLINOIS DEPARTMENT OF TRANSPORTATION

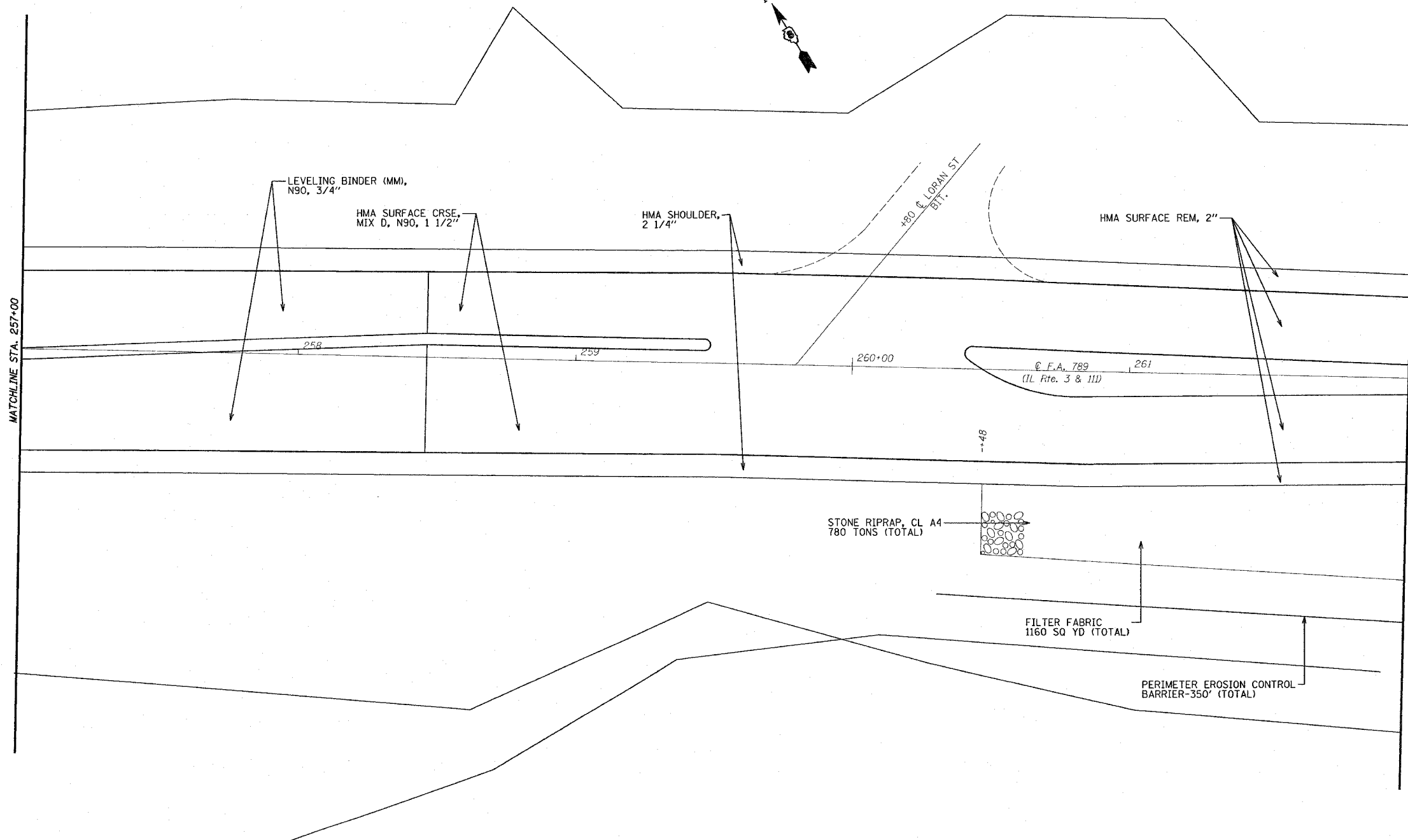
PLAN SHEETS
LOCATION #3

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

DATE: 4/5/2007
 REF: _____
 PLOT DATE: 4/5/2007

F.A.R. 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		
PLANNED		
CHECKED		
BY: OF: MAY CHECKED		
NO.:		
FILE NAME		



ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN SHEETS
LOCATION #3

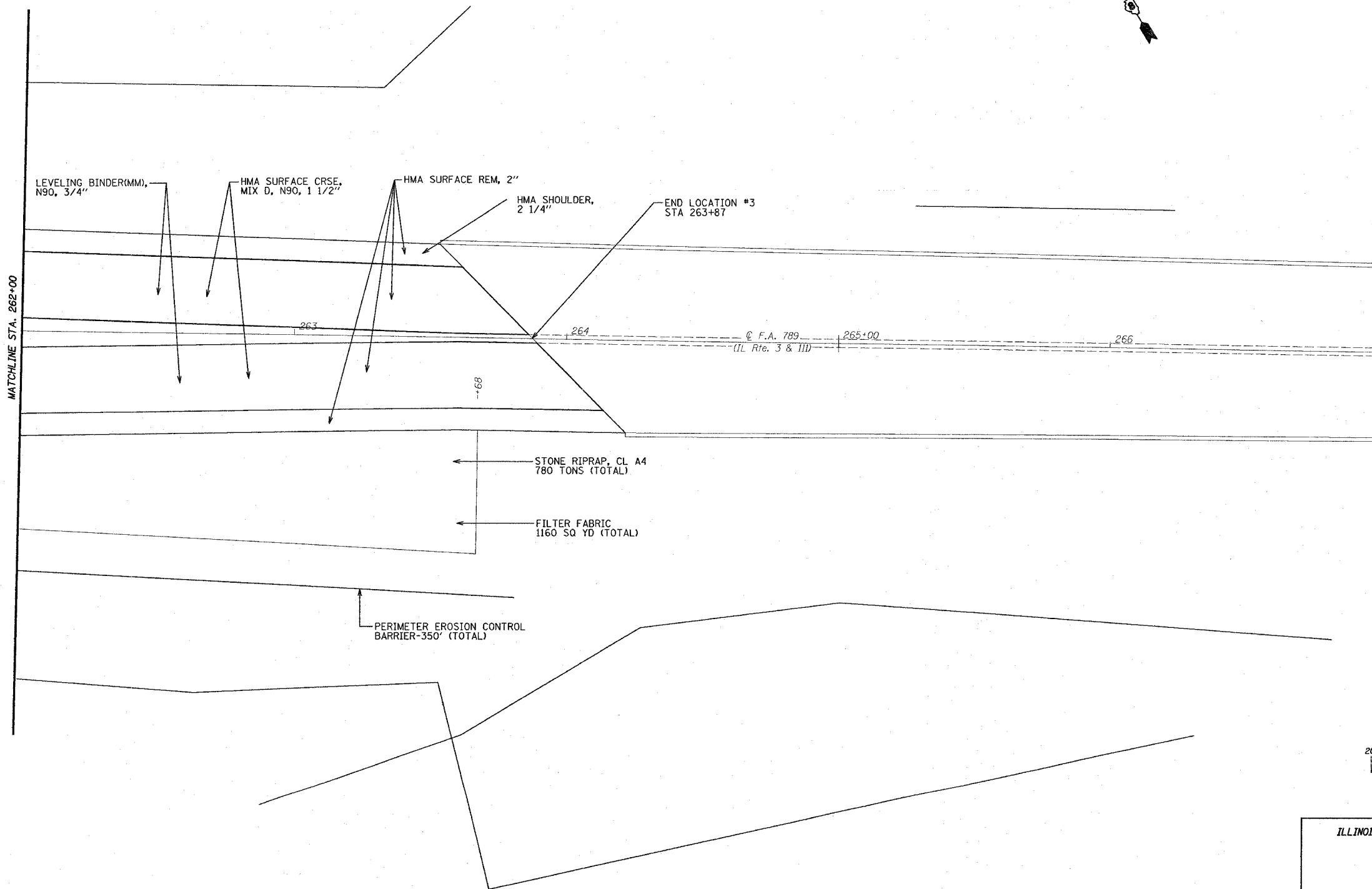
F.A. 789 (IL RTE. 3 & 111)
SECTION IRS-1
MADISON COUNTY

PLOT DATE: 4/5/2007

#DATE\$ 4/5/2007
c:\projects\789\plan\789\plan0007a.dgn
REF--

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

PLAN	DATE
SURVEYED	
ALIGNED	
CHECKED	
NO. _____	



ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN SHEETS
LOCATION #3**

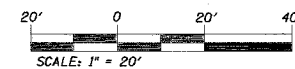
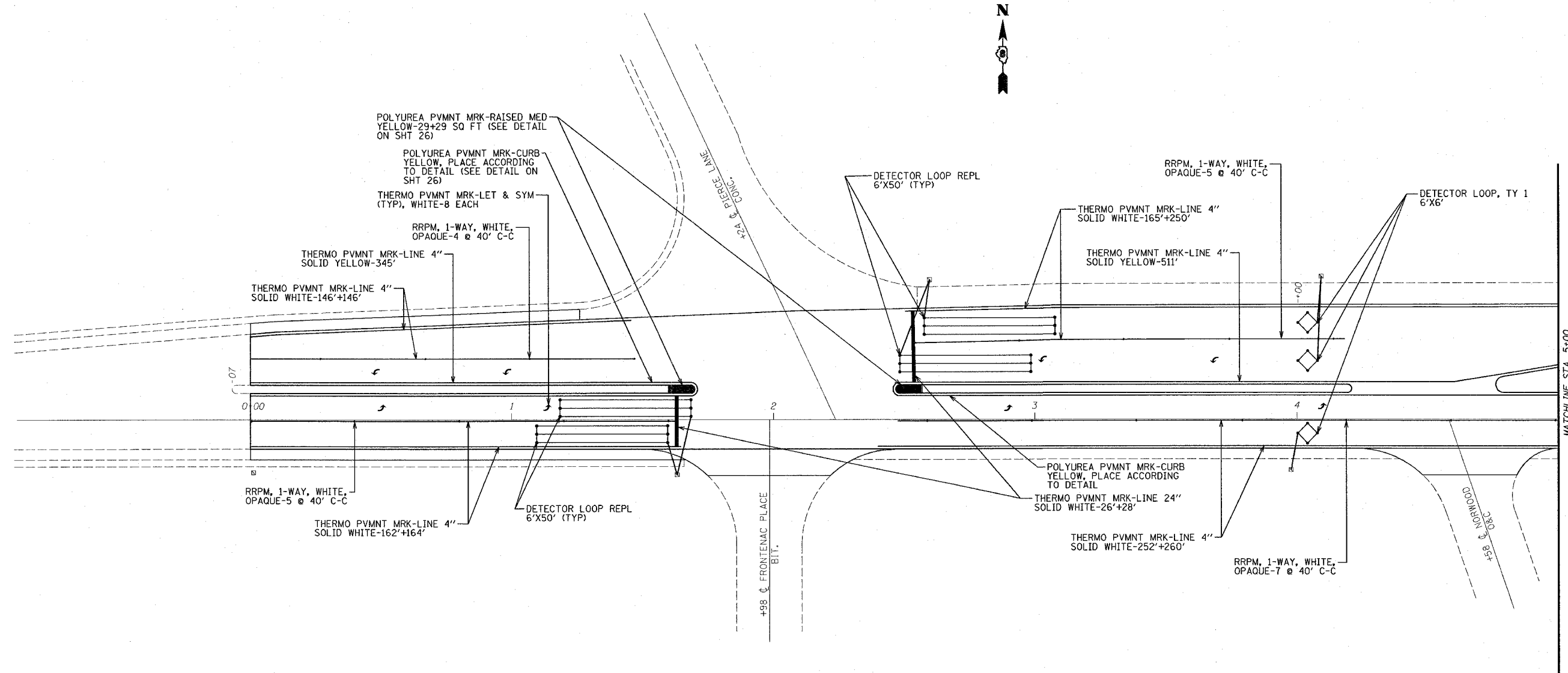
F.A. 789 (IL RTE. 3 & 111)
SECTION IRS-1
MADISON COUNTY

PLOT DATE: 4/5/2007

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

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	15
STA. 0+00		TO STA. 5+00		
EXISTING CONDITIONS:				

PLAN	DATE
DESIGNED	
PLOTTED	
ALIGNMENT CHECKED	
WRITE BOOK	
NO. _____	
FILE NAME	



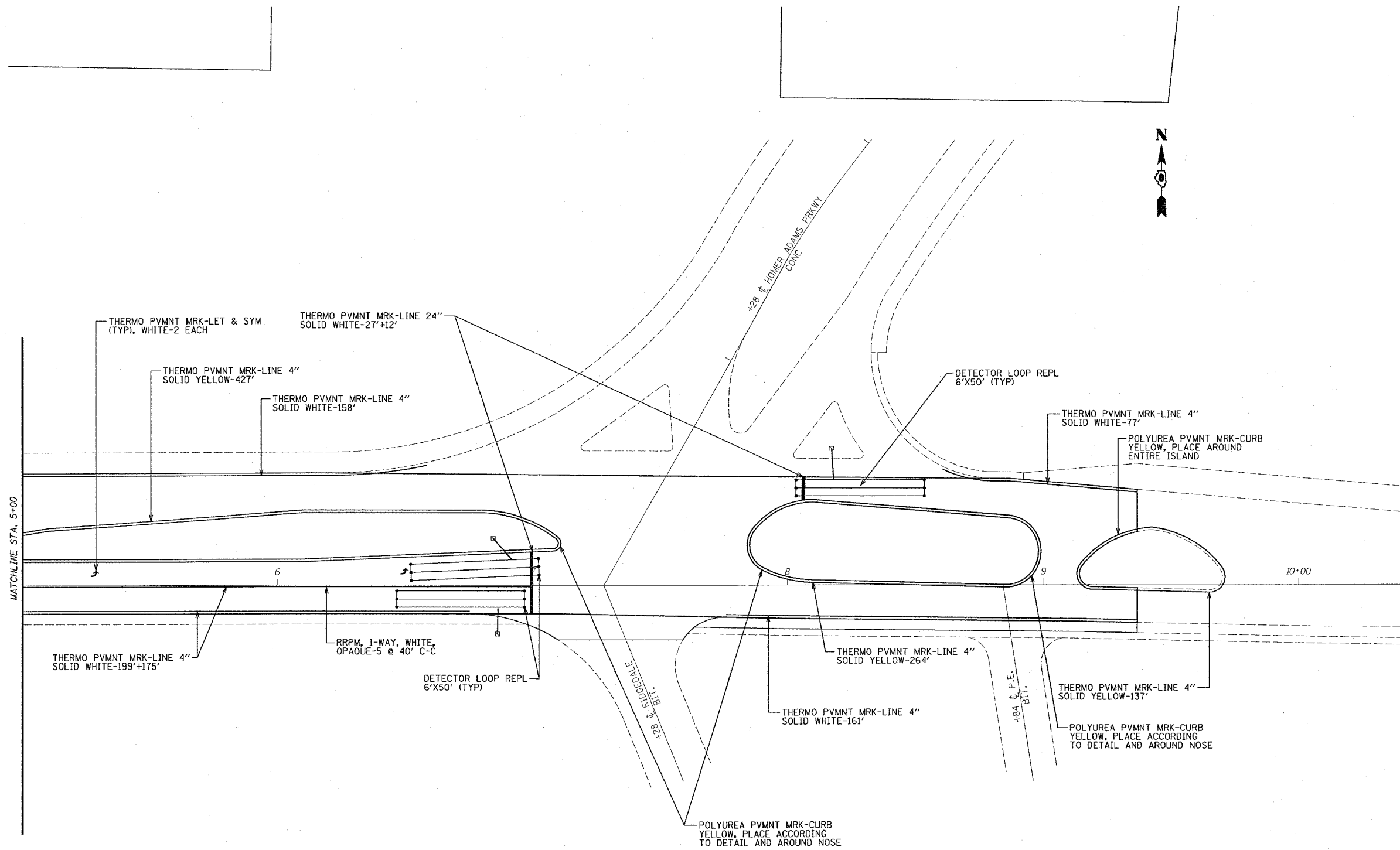
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING & ELECTRICAL LOCATION #1
 F.A. 789 (IL RTE. 3 & 111)
 SECTION IRS-1
 MADISON COUNTY

PLOT DATE: 4/5/2007

#DATE#
 #DRAW#
 #REF#
 #REF#

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

PLAN	DATE	BY
SURVEYED		
DESIGNED		
CHECKED		
IN CHARGE		
DATE		



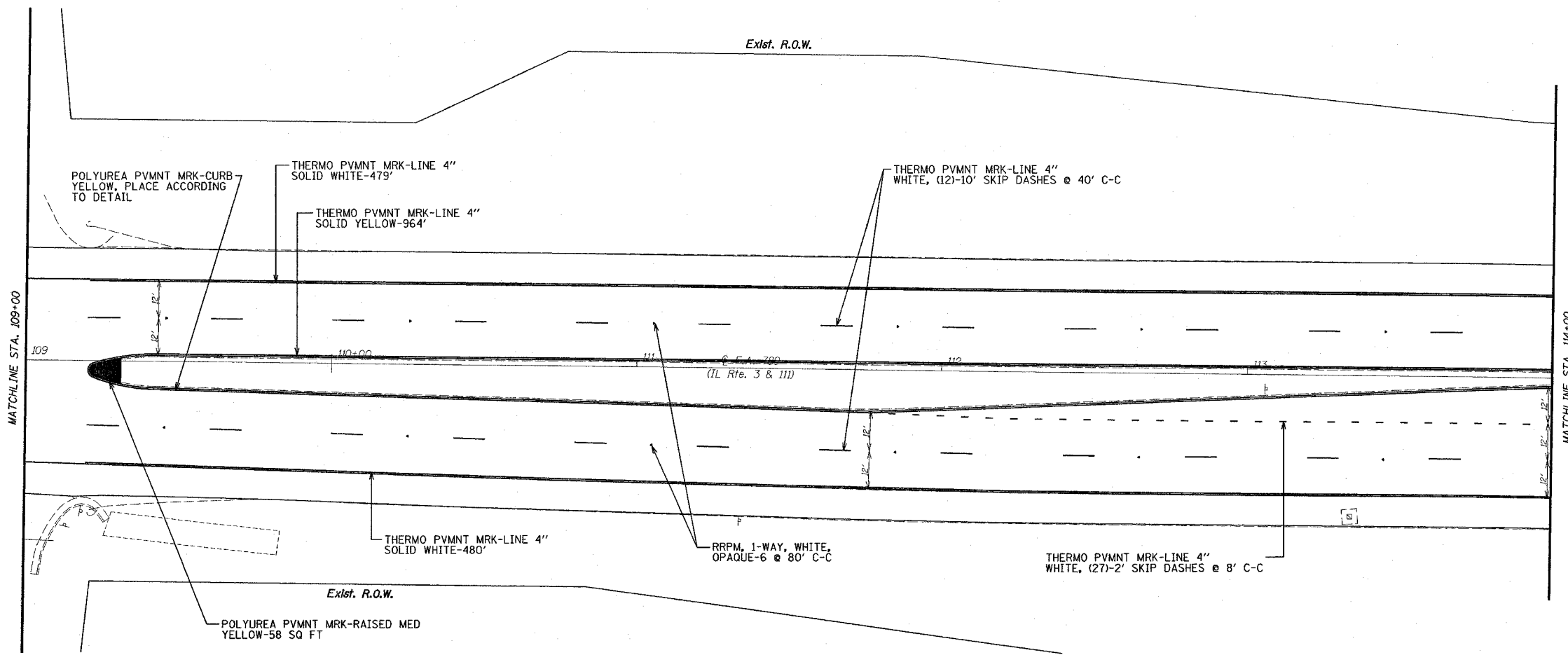
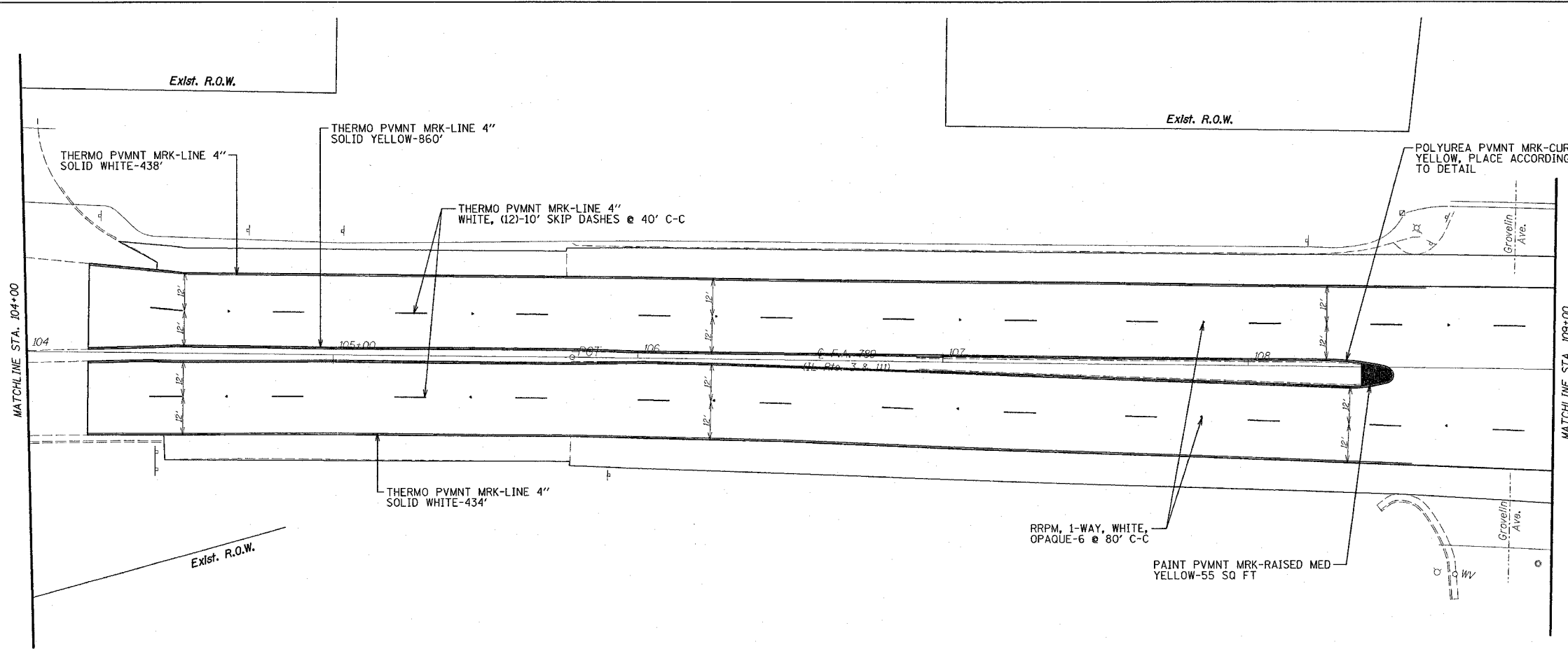
ILLINOIS DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKING & ELECTRICAL
LOCATION #1**
F.A. 789 (IL RTE. 3 & 111)
SECTION JRS-1
MADISON COUNTY

PLOT DATE: 4/5/2007

4/5/2007
c:\p\chrs\789\789.dwg
REF

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	BY
DESIGNED		
PLOTTED		
CHECKED		
IN CHARGE		
DATE		
BY		



ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & ELECTRICAL LOCATION #2

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

SECTION IRS-1

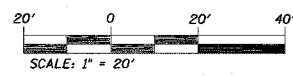
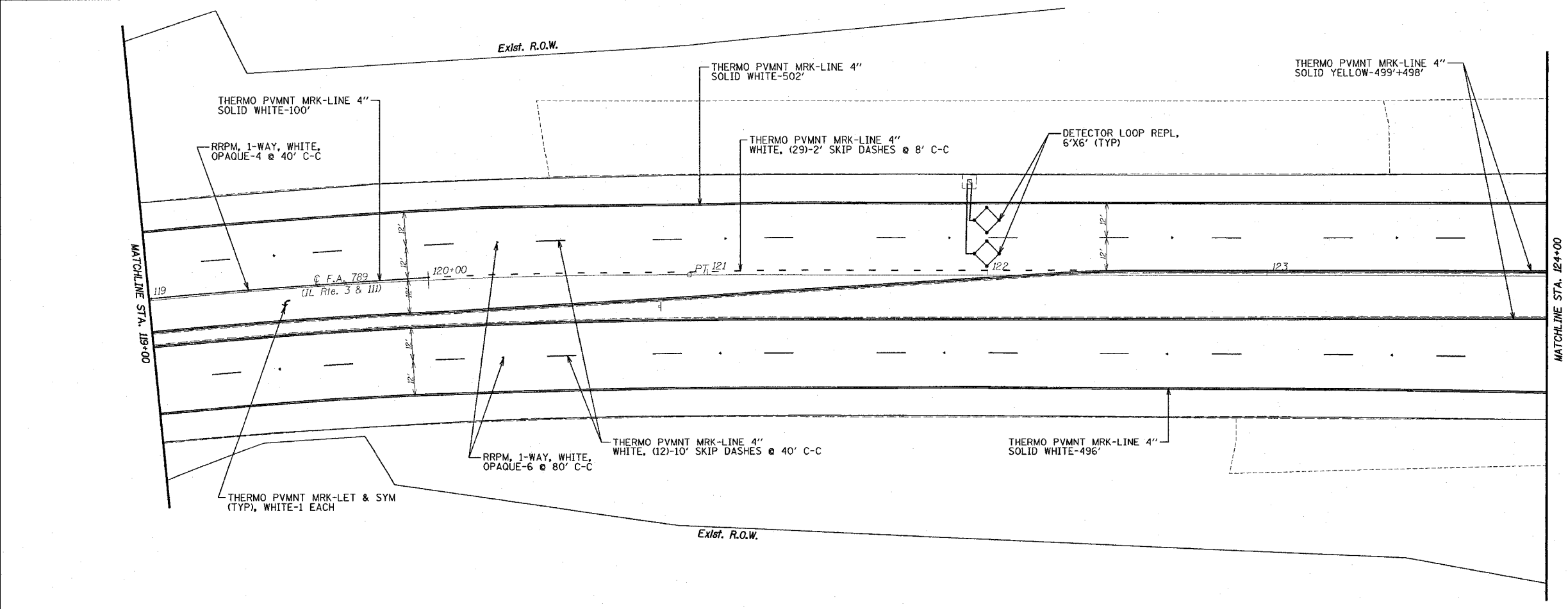
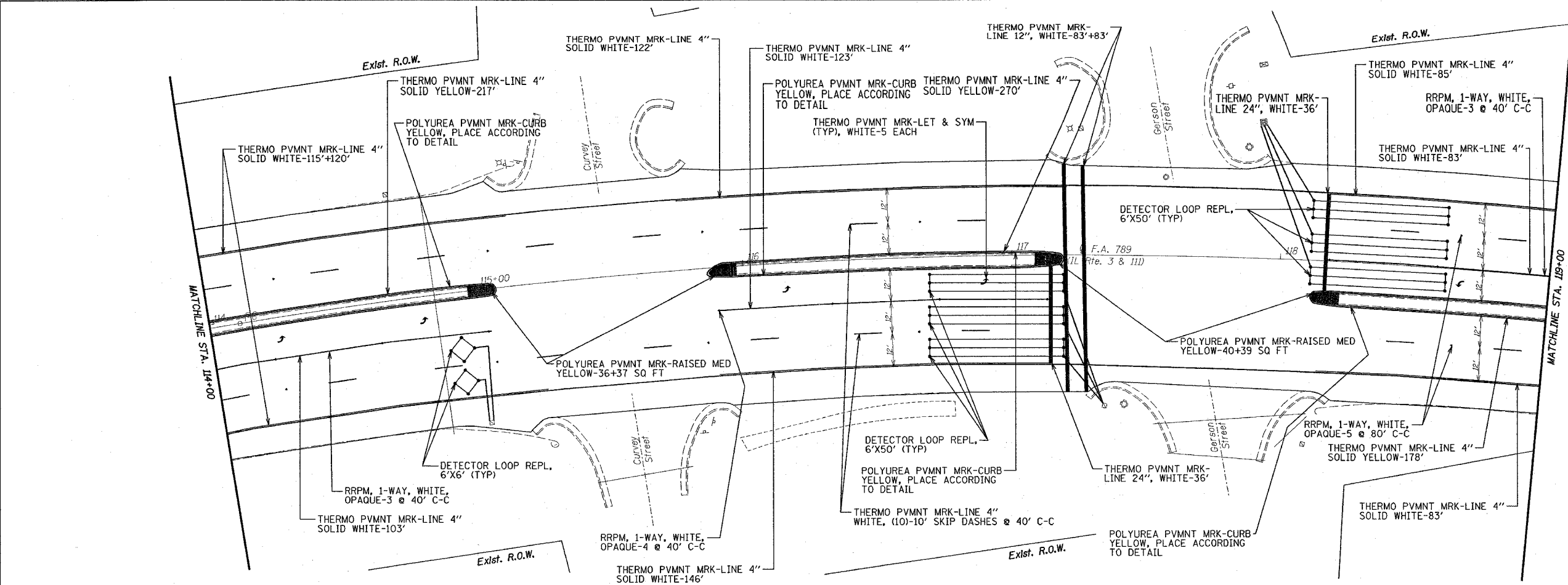
MADISON COUNTY

PLOT DATE: 4/5/2007

4/5/2007
c:\p\789\17\17.dwg
17

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

PLAN	DATE	BY
SUBMITTED		
APPROVED		
NOTE BOOK		
NO. _____		
ADD FILE NAME		

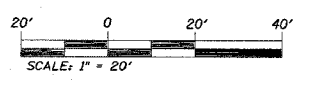
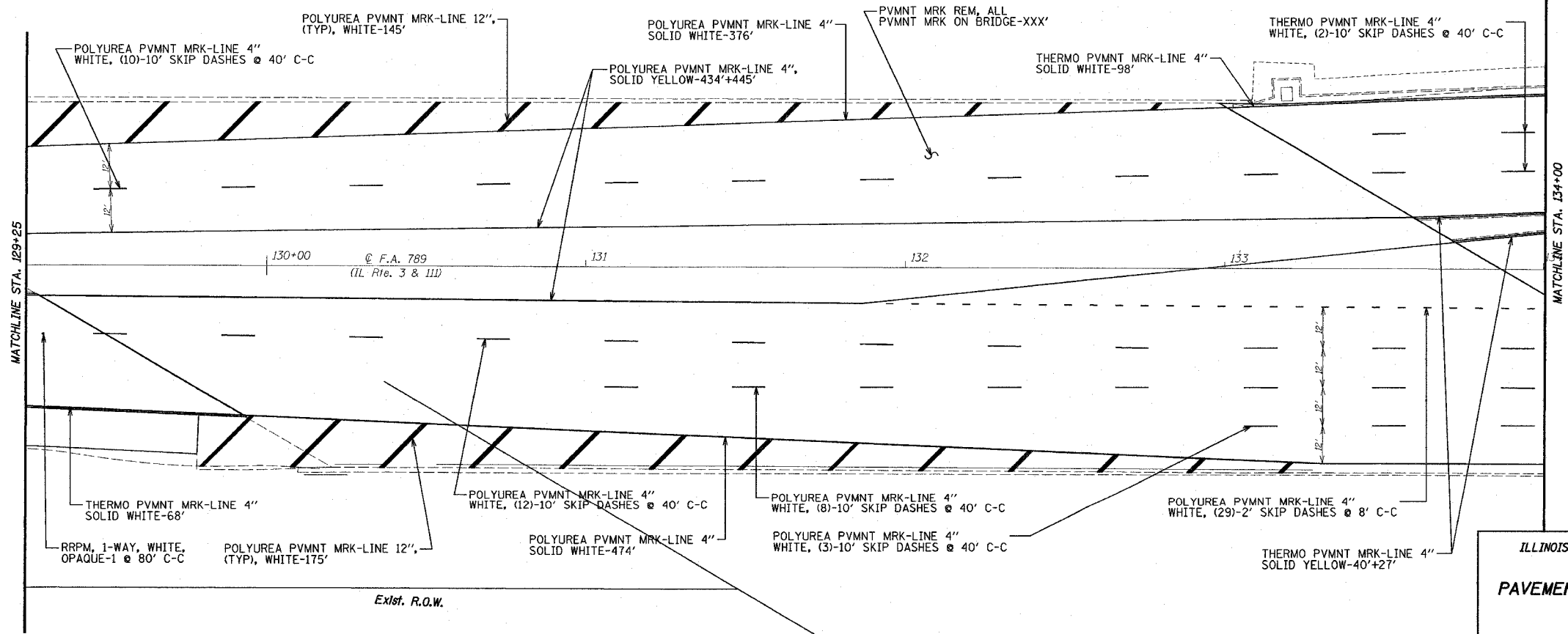
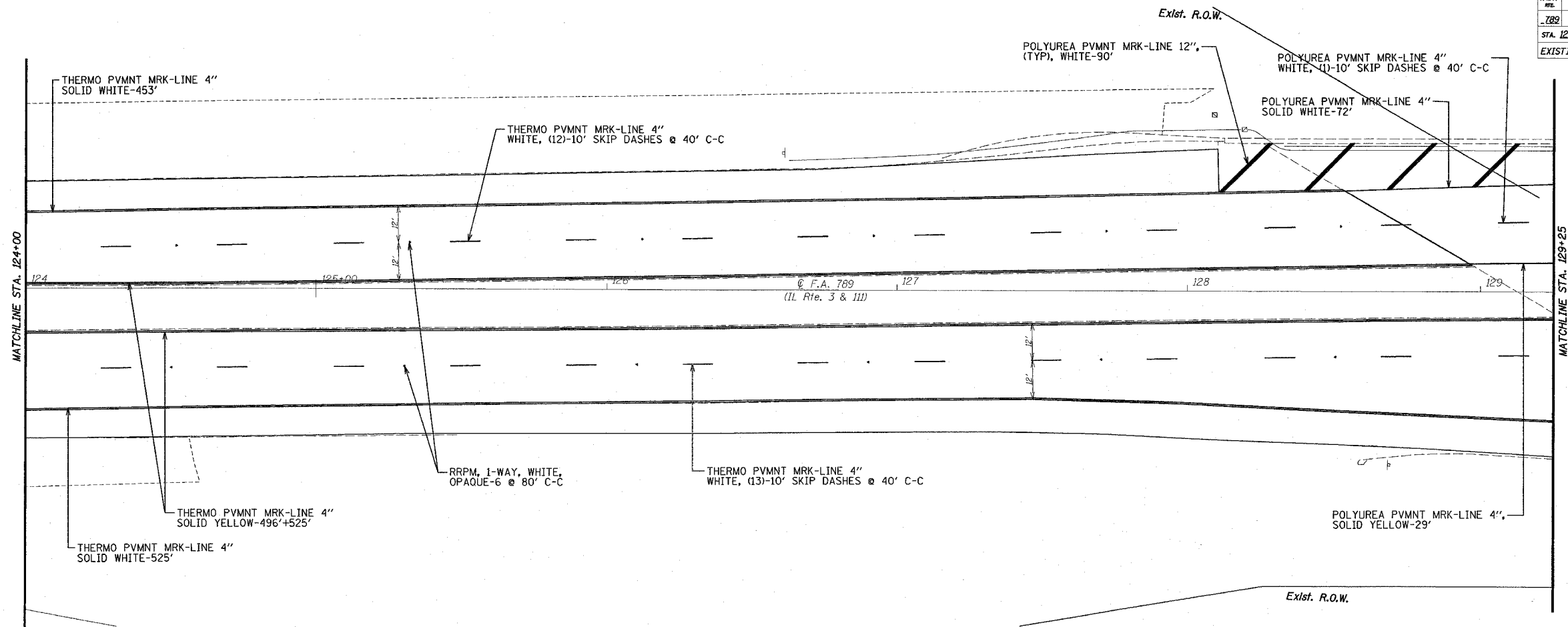


ILLINOIS DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKING
LOCATION #2**
F.A. 789 (IL RTE. 3 & 111)
SECTION IRS-1
MADISON COUNTY

PLOT DATE: 4/5/2007

DATE: 4/5/2007
TIME: 10:00 AM
REF: ...

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



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

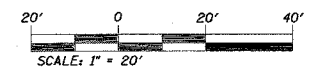
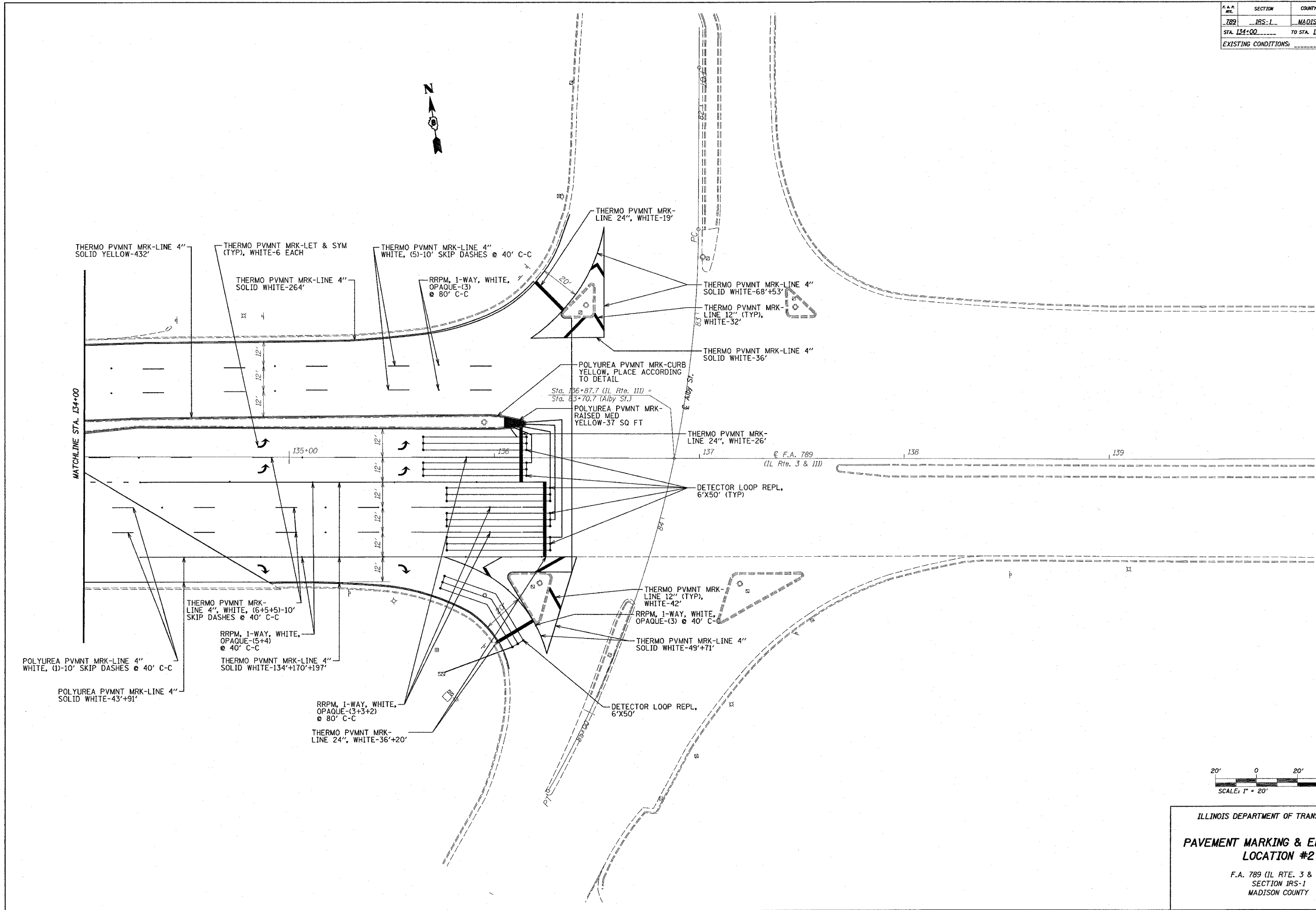
PLOT DATE: 4/5/2007

PLAN	DATE	BY
DESIGNED		
CHECKED		
PLOTTED		
DATE		
NO.		
NOTE BOOK		
REF. TO WAY CHECKED		
CADD FILE NAME		

#00175#
 4/5/2007
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 REF:

F.A.A. 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
		REVISED
		PLOTTED
		ALIGNMENT CHECKED
		FIELD FILE NAME
		NO. _____
		PLAN



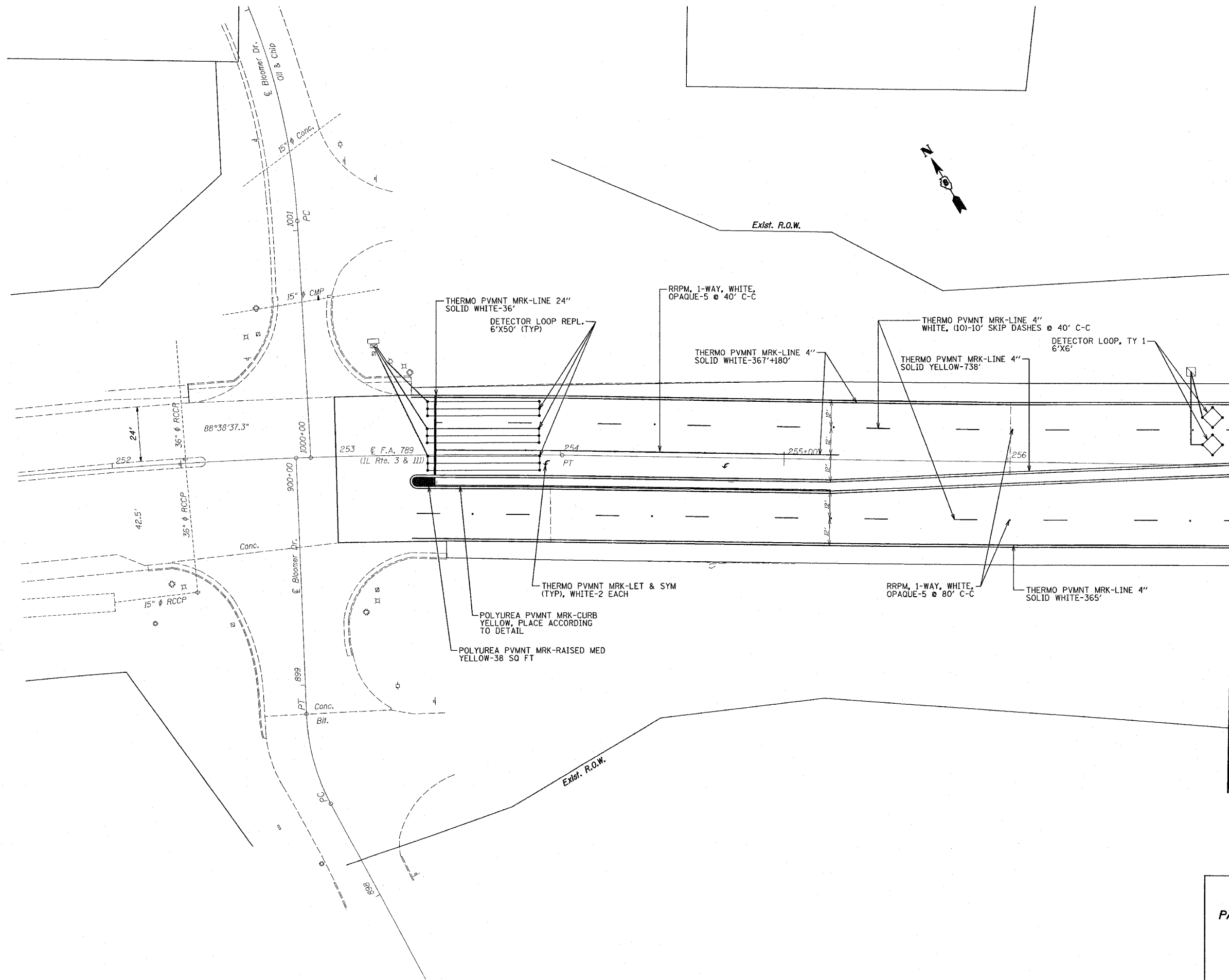
ILLINOIS DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKING & ELECTRICAL
LOCATION #2**
F.A. 789 (IL RTE. 3 & 111)
SECTION IRS-1
MADISON COUNTY

PLOT DATE: 4/5/2007

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

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

PLAN	DATE
DESIGNED	
CHECKED	
IN CHARGE	
DATE	



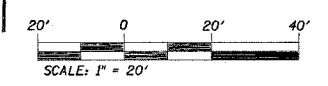
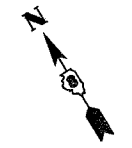
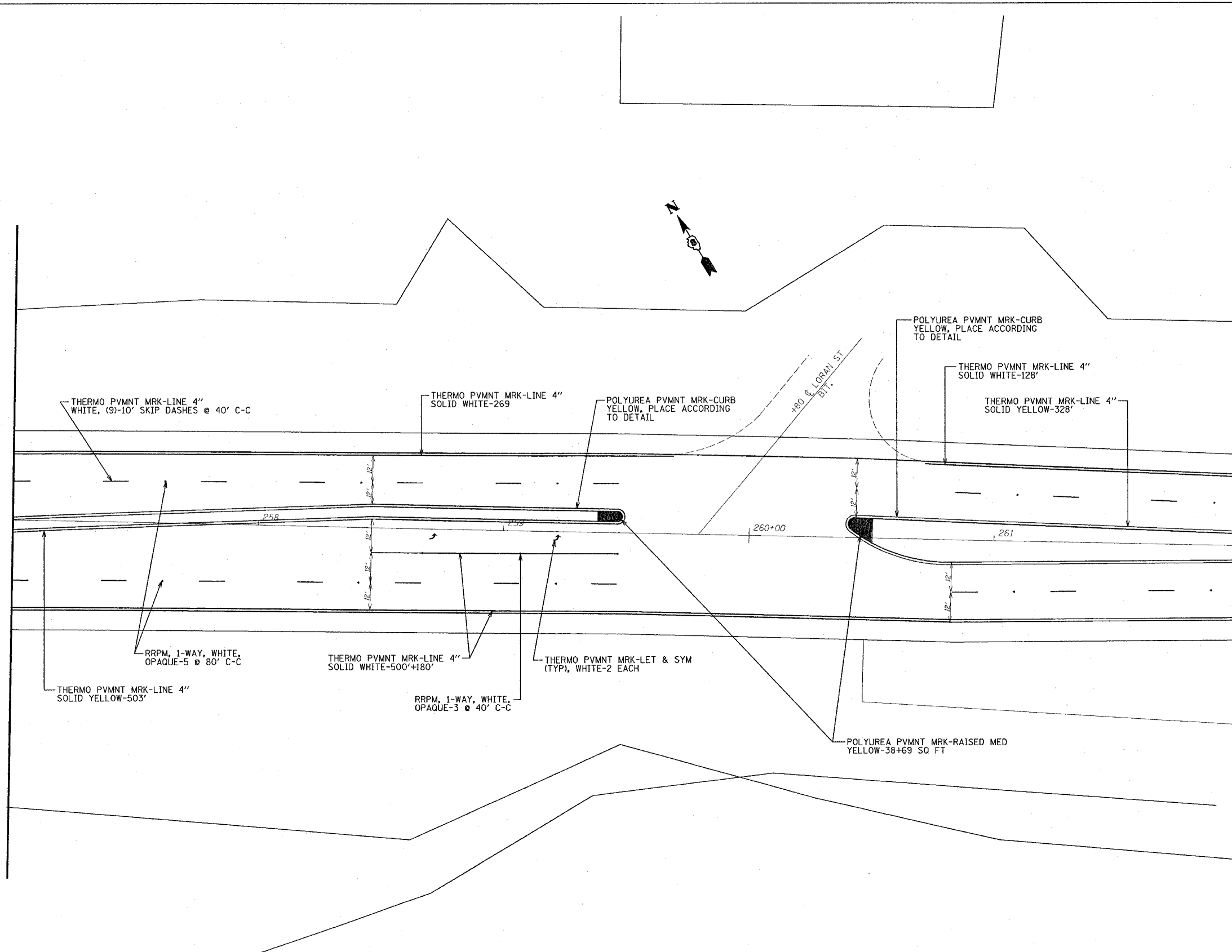
ILLINOIS DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKING & ELECTRICAL
LOCATION #3**
F.A. 789 (IL RTE. 3 & 111)
SECTION IRS-1
MADISON COUNTY

PLOT DATE: 4/5/2007

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

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

PLAN	DATE	BY
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

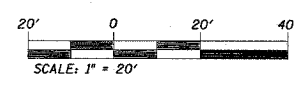
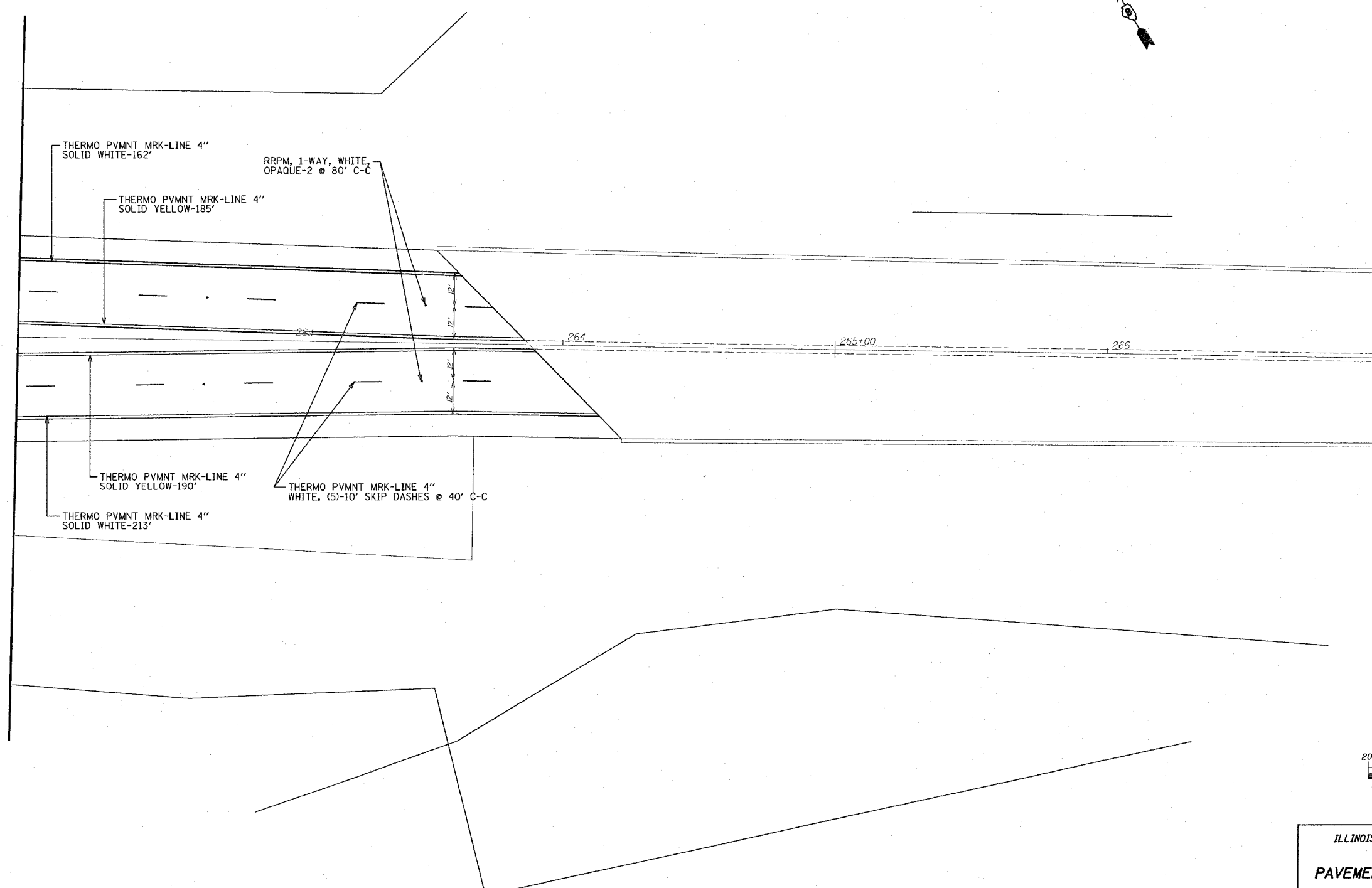
PLOT DATE: 1/5/2007

4/2/2007
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REF:

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

PLAN	DATE
DESIGNED	07
CHECKED	
IN CHARGE	
DATE	

NOTE BOOK NO. _____
 CLUB 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

4/5/2007
 c:\projects\789\0007\plan\pand007a.dgn
 REF: _____
 *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_LI_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
WB_LI_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
-----	---	-----	-----
-----	---	-----	-----
-----	---	-----	-----

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_LI_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

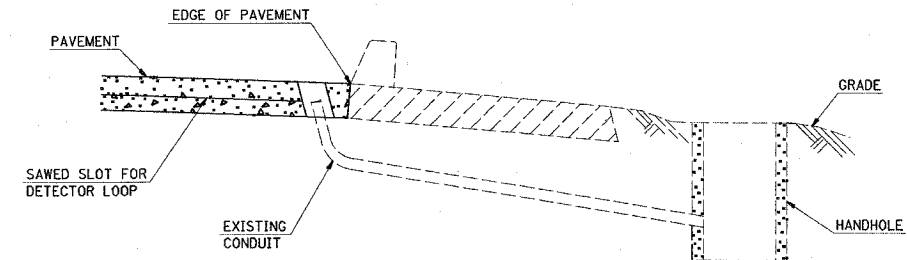
LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS
EB_LI_LN	=	6' X 50'	3-6-3
EB_LI_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
EB_THRU_LN	=	6' X 50'	3-6-3
-----	---	-----	-----
-----	---	-----	-----
-----	---	-----	-----

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_LI_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
-----	---	-----	-----
-----	---	-----	-----
-----	---	-----	-----

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_LI_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_LI_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	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETECTOR LOOP TABLES AND DETAIL

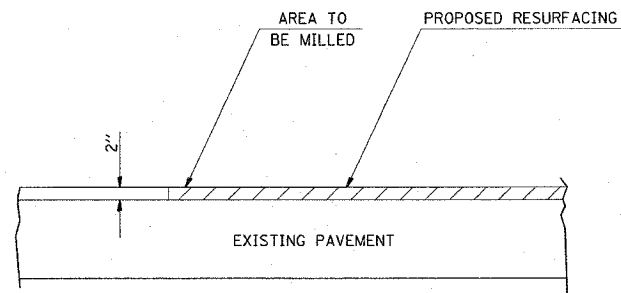
FAP ROUTE 789
SECTION: 1RS-1
MADISON COUNTY

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

ILLINOIS DEPARTMENT OF TRANSPORTATION

MILLING DETAILS



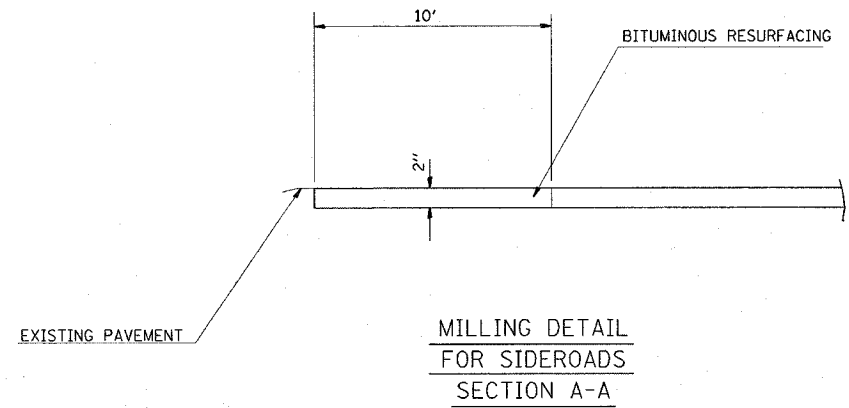
MILLING DETAIL

SEE SHEET #5
FOR MILLING SCHEDULE

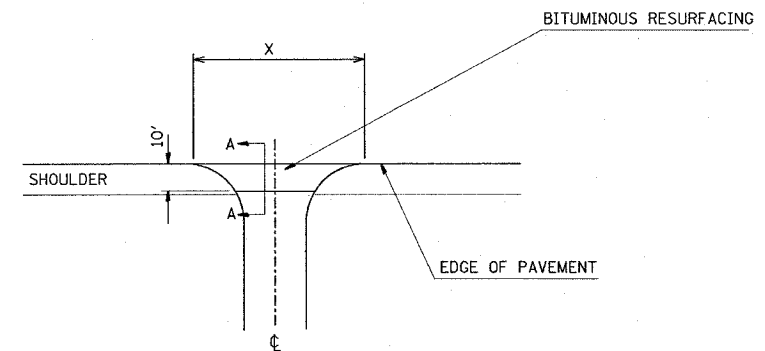
THERE IS AN ESTIMATED 4250
TONS OF MILLINGS ON THIS PROJECT

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIDEROAD DETAILS



MILLING DETAIL
FOR SIDEROADS
SECTION A-A



LOCATION #1 ONLY	
STA.	X
1+98 RT.	97'
4+58 RT.	77'
7+28 RT.	100'

SIDEROAD DETAIL

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	25
STA.	TO STA.			
EXISTING CONDITIONS: _____				

ILLINOIS DEPARTMENT OF TRANSPORTATION

MILLING AND SIDEROAD DETAIL

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

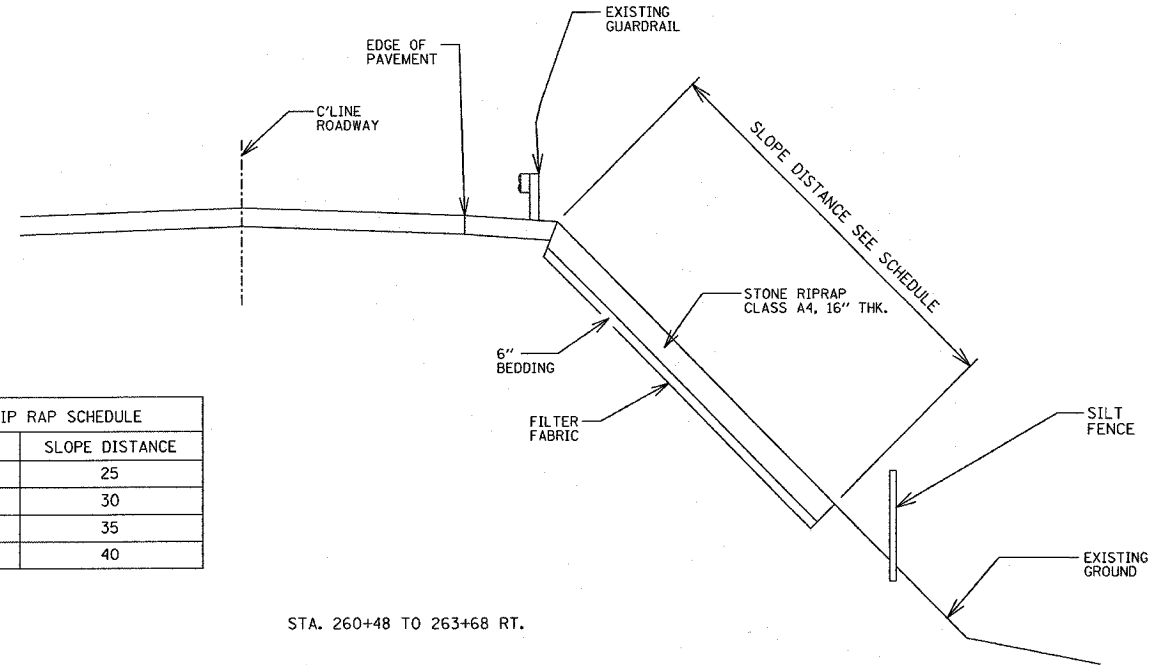
PLOT DATE: 4/5/2007

PLAN	DATE
SORTED	BY
ALIGNED	CHECKED
FILED	FILE NAME
NO.	

ILLINOIS DEPARTMENT OF TRANSPORTATION RIPRAP DETAILS

DATE	
BY	
DESIGNED	
CHECKED	
IN CHARGE	
DATE	
BY	
DESIGNED	
CHECKED	
IN CHARGE	

RIP RAP SCHEDULE	
STA.	SLOPE DISTANCE
260+48	25
261+55	30
262+61	35
263+68	40



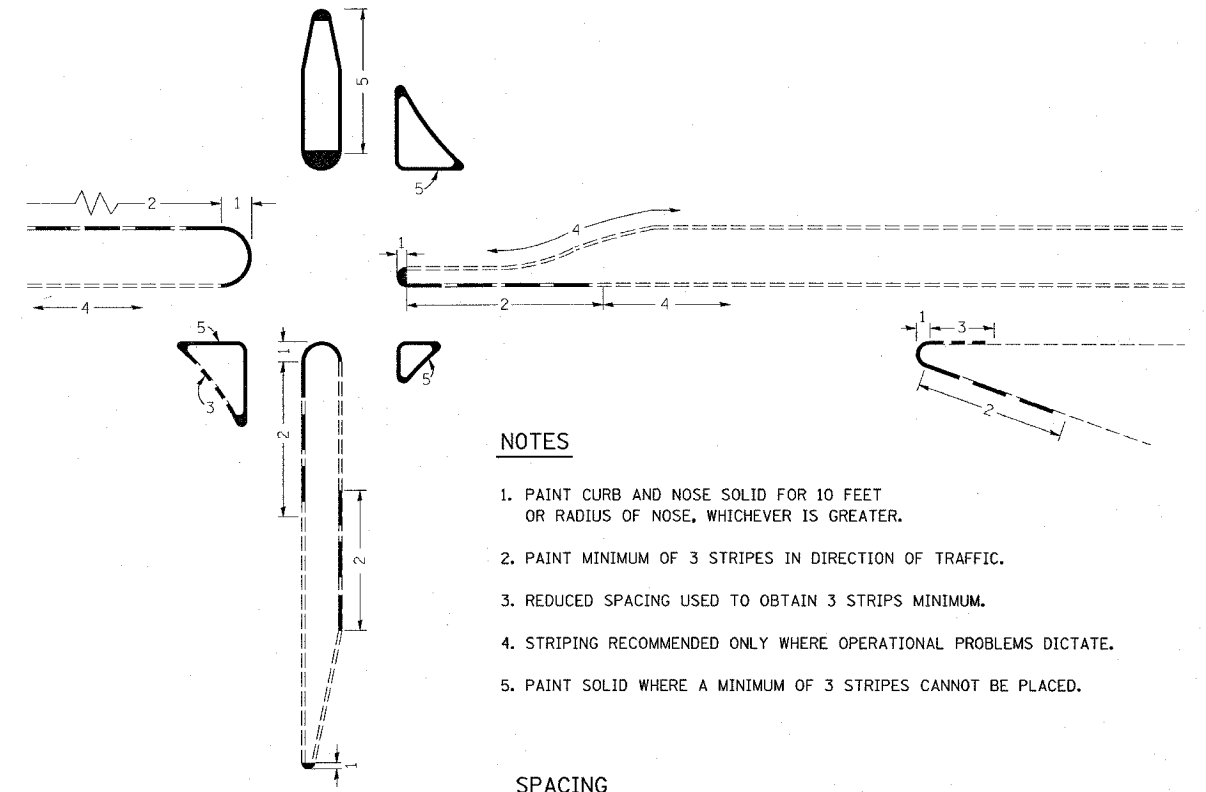
STA. 260+48 TO 263+68 RT.

NOTES: BEDDING AND EARTH EXCAVATION ARE INCLUDED IN THE COST OF STONE CLASS RIPRAP, CLASS A4

DATE: 4/5/2007
BY: J. B. ...
CHECKED: ...
IN CHARGE: ...

ILLINOIS DEPARTMENT OF TRANSPORTATION CURB MARKING DETAILS

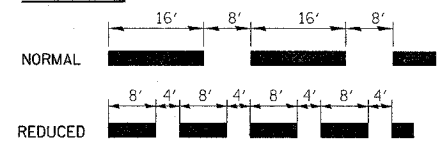
F. & P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
789	IRS-1	MADISON	26	26
STA.		TO STA.		
EXISTING CONDITIONS:				



NOTES

1. PAINT CURB AND NOSE SOLID FOR 10 FEET OR RADIUS OF NOSE, WHICHEVER IS GREATER.
2. PAINT MINIMUM OF 3 STRIPS IN DIRECTION OF TRAFFIC.
3. REDUCED SPACING USED TO OBTAIN 3 STRIPS MINIMUM.
4. STRIPING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
5. PAINT SOLID WHERE A MINIMUM OF 3 STRIPS CANNOT BE PLACED.

SPACING



CURB MARKING

ILLINOIS DEPARTMENT OF TRANSPORTATION
RIPRAP AND CURB MARKING DETAIL
F.A.P. 789 (IL RTE. 3 & 111)
SECTION IRS-1
MADISON COUNTY

PLOT DATE: 4/5/2007