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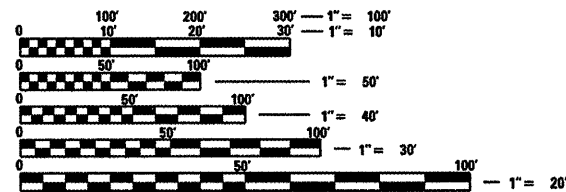
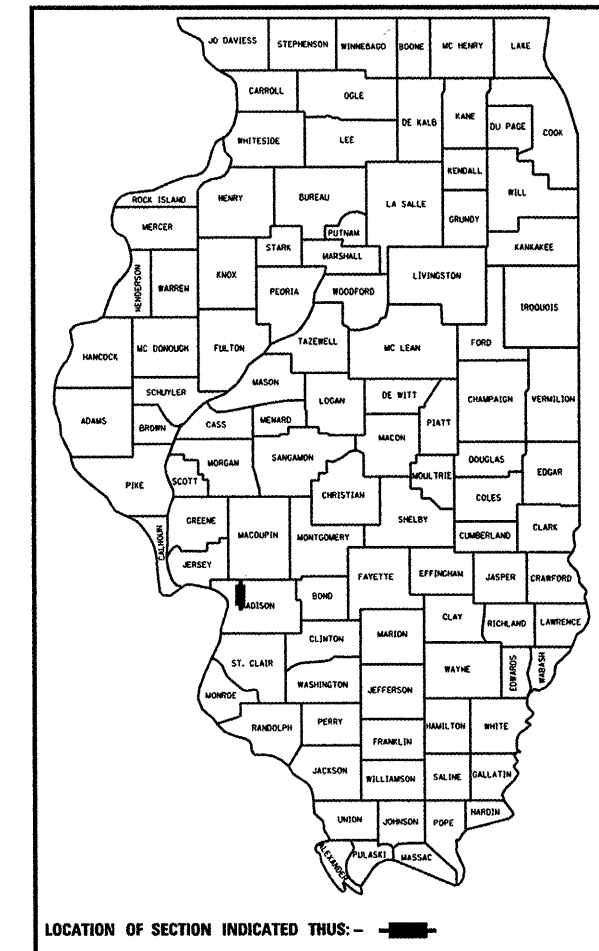
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PROPOSED**  
**HIGHWAY PLANS**

**FAP ROUTE 582 (IL 111)**  
**SECTION (4,5)RS**

**MADISON COUNTY**  
**RESURFACING**  
**C-98-010-10**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	(4,5)RS	MADISON	71	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 76D47		

D-98-016-10

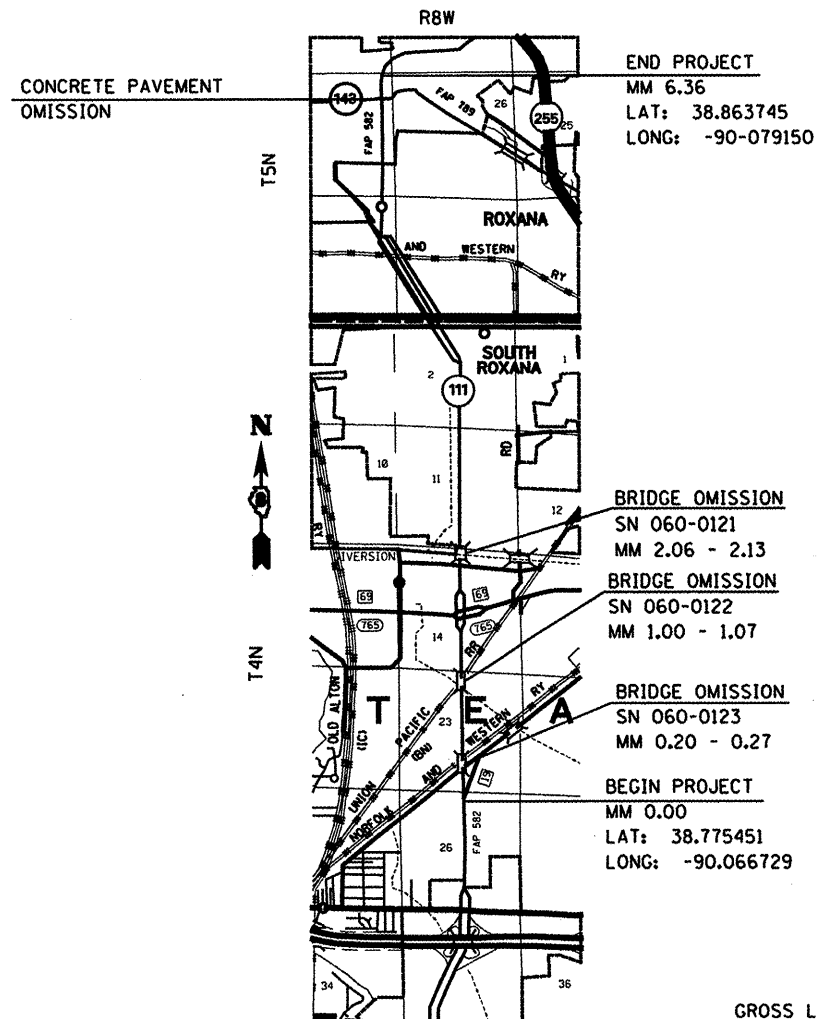


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

**PROJECT ENGINEER: PATTI LEBEAU 618/346-3179**  
**PROJECT MANAGER: CHERYL KEPLAR 618/346-3186**

**CONTRACT NO. 76D47**



GROSS LENGTH = 6.36 MI = 33580.8 FT  
 NET LENGTH = 6.15 MI = 32472.0 FT

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

SUBMITTED March 17 20 10  
May C. Jamie  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

May 7 20 10  
Scott E. Stitt, P.E. J.E.  
 CHIEF ENGINEER OF DESIGN AND ENVIRONMENT

May 7 20 10  
Christine M. Reed, J.E.  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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**OF THE STATE OF ILLINOIS**

**GENERAL NOTES**

1. 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:

- \*AMEREN CIPS (ELECTRIC)
- \*AMEREN IP (GAS & ELECTRIC)
- \*AT&T ILLINOIS (COMMUNICATIONS)
- \*BP PIPELINES (NORTH AMERICA) (PIPELINE)
- \*BUCKEYE PARTNERS L.P. - WOOD RIVER PIPELINE (PIPELINE)
- \*CENTERPOINT ENERGY (PIPELINE)
- \*CHARTER COMMUNICATIONS, INC. (CABLE TV)
- \*CONOCO PHILLIPS PIPE LINE COMPANY (PIPELINE)
- \*CITY OF EDWARDSVILLE (WATER & SANITARY SEWER)
- \*EXPLORER PIPELINE COMPANY (PIPELINE)
- \*VILLAGE OF HARTFORD (WATER & SANITARY SEWER)
- \*KOCH PIPELINE COMPANY, LP (PIPELINE)
- \*LINDE NORTH AMERICA, INC. (PIPELINE)
- \*MARATHON PIPE LINE LLC (PIPELINE)
- \*MADISON COUNTY SPECIAL SERVICE AREA #1 (SANITARY SEWER)
- \*MITCHELL PUBLIC WATER DISTRICT (WATER)
- \*360NETWORKS (USA) INC. (COMMUNICATIONS)
- \*NUSTAR PIPELINE OPERATING PARTNERSHIP L.P. (PIPELINE)
- \*PLAINS MARKETING, L.P. (PIPELINE)
- \*VILLAGE OF ROXANA (WATER & SANITARY SEWER)
- \*CITY OF WOOD RIVER (WATER & SANITARY SEWER)

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

2. EXCESS BITUMEN REMOVAL SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
3. THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES AND VALVES LOCATED WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING MILLING OPERATIONS.
4. THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
5. THE THICKNESS OF BITUMINOUS SURFACE REMOVAL IS THE REMOVAL DEPTH AT THE CENTERLINE.
6. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

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

\*\*Top Lift Shoulders - Design this mix at 2% voids and add asphalt to reduce voids to 1.5%.

Plan quantities for Bituminous Concrete Surface Course Items are calculated using a unit weight of 112 lb/sq yd/in (59.8 kg/sq m/25 mm thickness).

7. ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
8. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE ASSUMED TO BE APPROXIMATE.
9. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
10. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.
11. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48 X 48, FLUORESCENT ORANGE.
12. FLAGGERS SHALL BE PRESENT DURING ALL CLOSURE HOURS, INCLUDING LUNCH HOUR, AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
13. THE PAVEMENT MARKING SHOWN IN THE PLANS IS APPROXIMATE. THE LOCATION OF THE PROPOSED CROSSWALKS, STOP BARS, ETC. SHOULD MATCH EXISTING FIELD CONDITIONS PER RESIDENT ENGINEER.
14. SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, AND FINAL SURFACE COURSE. ONLY THE REMOVAL OF THE FINAL SURFACE APPLICATION WILL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL - 50 FT. A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS BEEN ADDED TO THE PLANS. ONLY REMOVAL FROM FINAL SURFACE PAID AS "WORK ZONE PAVEMENT MARKING REMOVAL".

15. ALL TEMPORARY PAVEMENT MARKINGS WILL BE PLACED IN A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
16. ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.
17. MILLING OF THE CORRUGATED MEDIAN ON THE SOUTH SIDE OF THE NEW POAG ROAD INTERSECTION SHALL BE INCLUDED IN THE COST OF HMA SURFACE REMOVAL, 2-1/4" AND NO ADDITIONAL COMPENSATION SHALL BE INCLUDED.
18. AN AMOUNT OF FURNISHED EXCAVATION HAS BEEN INCLUDED IN THE PLANS IN ORDER TO PROVIDE THE SHOULDER WIDENING FOR THE PLACEMENT OF THE TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) AS SHOWN ON THE HIGHWAY STANDARD 630301. ANY EXCAVATION AND GRADING/SHAPING REQUIRED TO PERFORM THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST FOR FURNISHED EXCAVATION.
19. CRAIG POETTKER, IDOT OPERATIONS 618-346-3279, WILL BE CONTACTED AT LEAST 48 HOURS IN ADVANCE TO DETERMINE THE EXACT LOCATION OF THE DOUBLE 48" PIPE CULVERT TO BE PLACED AT APPROX. MM 1.42 JUST SOUTH OF NEW POAG ROAD.
20. THE CONTRACTOR SHALL MILL THE PAVEMENT BEFORE PATCHING OPERATIONS BEGIN.
21. IN THE CURB SECTIONS FROM 7TH STREET TO EDWARDSVILLE ROAD, THE RE SHALL VERIFY IF THE INLET GRATES IN THE FLAG OF THE CURB NEED ADJUSTMENT IN ORDER TO MAINTAIN A UNIFORM FLOW LINE. THE CONTRACTOR SHALL CONFIRM THE CORRECT SIZE RISER IF NEEDED FOR ADJUSTING THE GRATE. THE EXACT NUMBER AND LOCATIONS SHALL BE DETERMINED IN THE FIELD. THIS WORK WILL BE PAID AS "FRAMES AND GRATES TO BE ADJUSTED".

**ADT**

ALTON/EDWARDSVILLE RD. TO MADISON AVE./IL 143  
 2009 ADT = 10300 (ACTUAL)  
 2010 ADT = 10400 (ESTIMATED)  
 2030 ADT = 12700 (ESTIMATED)  
 SU = 2.4%  
 MU = 0.6%

MADISON AVE./IL 143 TO TENNYSON AVE.  
 2009 ADT = 9400 (ACTUAL)  
 2010 ADT = 9600 (ESTIMATED)  
 2030 ADT = 11600 (ESTIMATED)  
 SU = 1.9%  
 MU = 0.6%

TENNYSON AVE. TO SEVENTH ST.  
 2009 ADT = 7900 (ACTUAL)  
 2010 ADT = 8000 (ESTIMATED)  
 2030 ADT = 9800 (ESTIMATED)  
 SU = 2.5%  
 MU = 0.8%

SEVENTH ST. TO HAWTHORNE ST.  
 2009 ADT = 10400 (ACTUAL)  
 2010 ADT = 10500 (ESTIMATED)  
 2030 ADT = 12800 (ESTIMATED)  
 SU = 3.4%  
 MU = 2.9%

HAWTHORNE ST. TO BROADWAY AVE.  
 2009 ADT = 6800 (ACTUAL)  
 2010 ADT = 6900 (ESTIMATED)  
 2030 ADT = 8400 (ESTIMATED)  
 SU = 10.3%  
 MU = 7.0%

BROADWAY AVE. TO OLD POAG RD. (CH 9)  
 2009 ADT = 5300 (ACTUAL)  
 2010 ADT = 5400 (ESTIMATED)  
 2030 ADT = 6600 (ESTIMATED)  
 SU = 5.7%  
 MU = 4.7%

**HIGHWAY STANDARDS**

000001-05	701301-03
420701-02	701306-02
442101-07	701311-03
442201-03	701336-05
606401-01	701422-02
630001-08	701426-03
631011-06	701601-06
635006-03	701606-06
635011-02	701701-06
701006-03	701901-01
701011-02	780001-02
701101-02	781001-03
701201-03	886001-01
	886006-01

701421-02

**COMMITMENTS**

NONE

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = #DATE#	CHECKED -	REVISED -			<b>CONTRACT NO. 76047</b>					
		DATE -	REVISED -			SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

# SUMMARY OF QUANTITIES

*URBAN  
100% STATE*

*URBAN  
100% STATE*

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		I000		
20400800	FURNISHED EXCAVATION	CU YD	76	76		
25000200	SEEDING, CLASS 2	ACRE	0.36	0.36		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	33	33		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	33	33		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	33	33		
25100115	MULCH, METHOD 2	ACRE	0.36	0.36		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	33	33		
28100703	STONE DUMPED RIPRAP, CLASS A2	SQ YD	27	27		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	20	20		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	45.9	45.9		
40600300	AGGREGATE (PRIME COAT)	TON	204	204		
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	5765	5765		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1171	1171		
40600990	TEMPORARY RAMP	SQ YD	316	316		
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	11529	11529		
40800020	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.9	0.9		
40800030	AGGREGATE (PRIME COAT)	TON	5	5		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	302	302		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	85230	85230		
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	64148	64148		
44004250	PAVED SHOULDER REMOVAL	SQ YD	62	62		
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	26	26		
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	997	997		
44201007	CLASS B PATCHES, TYPE II, 13 INCH	SQ YD	197	197		
44201013	CLASS B PATCHES, TYPE IV, 13 INCH	SQ YD	660	660		
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	13	13		
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	31	31		
44213100	PAVEMENT FABRIC	SQ YD	1472	1472		
44213200	SAW CUTS	FOOT	3576	3576		
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	48	48		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2227	2227		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	62	62		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1605	1605		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		I000		
54200253	PIPE CULVERTS, CLASS D, TYPE 1 48"	FOOT	50	50		
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	8	8		
60603450	GUTTER INLET (SPECIAL)	EACH	1	1		
60615400	PAVED DITCH, TYPE A-15	FOOT	100	100		
*63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	3250	3250		
*63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	12	12		
*63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	12	12		
63200310	GUARDRAIL REMOVAL	FOOT	3591	3591		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3		
67100100	MOBILIZATION	L SUM	1	1		
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	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		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	14376	14376		
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	724	724		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	115393	115393		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1410	1410		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	931	931		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	178	178		
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	724	724		
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	115393	115393		
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1410	1410		
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	931	931		
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	681	681		
*78200300	PRISMATIC CURB REFLECTOR	EACH	84	84		

*\*Specialty Items*

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE. 582	SECTION (4,5)RS	COUNTY MADISON	TOTAL SHEETS 71	SHEET NO. 3
CONTRACT NO. 76D47				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

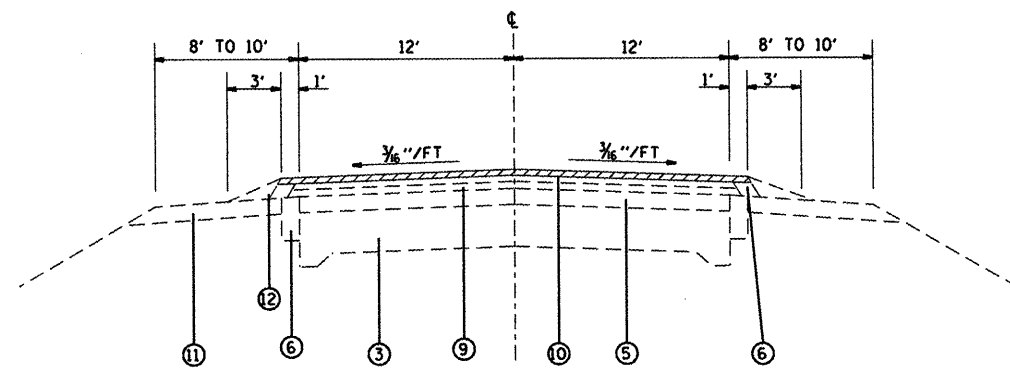
# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		1000 80% FED 20% STATE			CODE NO	ITEM	UNIT		1000 80% FED 20% STATE		
X78200410	GUARDRAIL MARKERS, TYPE A	EACH	68	68									
X78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	12	12									
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	644	644									
X80300100	LOCATING UNDERGROUND CABLE	FOOT	290	290									
X88600600	DETECTOR LOOP REPLACEMENT	FOOT	2765	2765									
X7800200	PAINT PAVEMENT MARKING CURB	FOOT	2144	2144									
Z0017202	DOWEL BARS 1 1/2"	EACH	716	716									
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1									
Z0075310	TIE BARS 3/4"	EACH	490	490									

*\*Specialty Items*

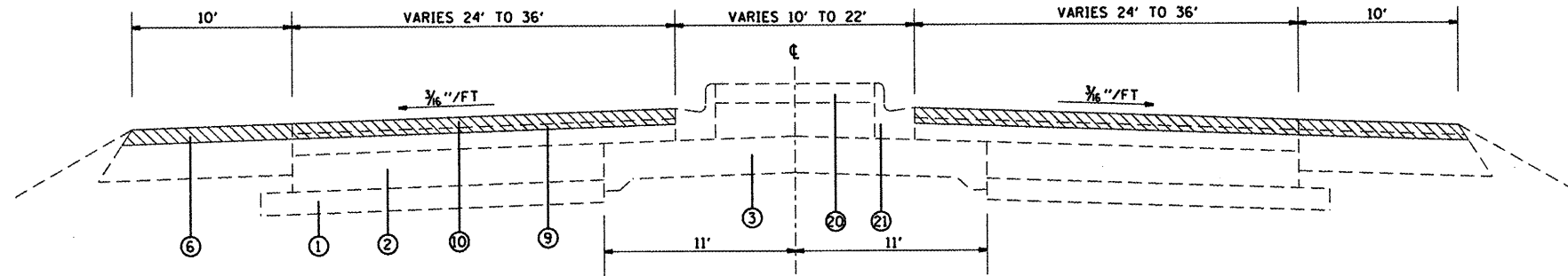
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**CONTRACT NO. 76D47**



**TYPICAL SECTION**

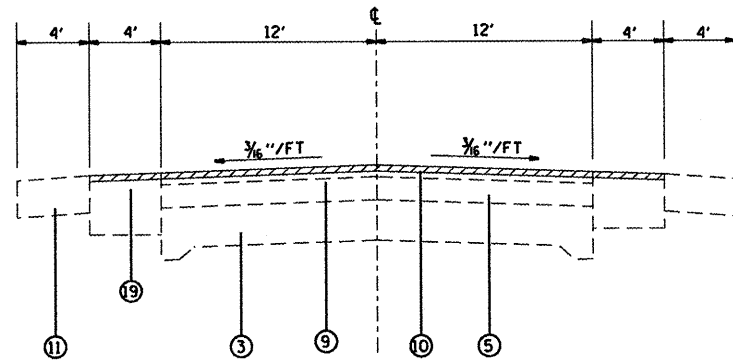
MM 0.00 - 1.39  
 MM 1.94 - 2.02  
 MM 2.17 - 3.83  
 BRIDGE OMISSION: MM 0.20 - 0.27  
 BRIDGE OMISSION: MM 1.00 - 1.06



**TYPICAL SECTION**

MM 1.39 - 1.94 (New Poag Road)

NOTE: USE A 15' TAPER TO TAKE THE MILLING FROM 1-1/2" TO 2-1/4" ON EACH SIDE OF THE NEW POAG ROAD INTERSECTION. FULL DEPTH MILLING SHOULD EXTEND THROUGH THE RAISED MEDIAN AREAS.



**TYPICAL SECTION**

MM 2.02 - 2.17  
 BRIDGE OMISSION: MM 2.06 - 2.13

- PROP. HMA SURFACE REMOVAL 1-1/2"
- PROP. HMA SURFACE REMOVAL 2-1/4"

**LEGEND**

- ① EXISTING SUBBASE GRANULAR MATERIAL, 4"
- ② EXISTING PCC BASE COURSE, 8"
- ③ EXISTING CONCRETE PAVEMENT, 10-8-10
- ④ EXISTING PCC PAVEMENT, 10"
- ⑤ EXISTING HMA RESURFACING, 3" +/-
- ⑥ EXISTING HMA SHOULDER
- ⑦ EXISTING HMA SHOULDER, 6"
- ⑧ EXISTING HMA SHOULDER OVERLAY
- ⑨ EXISTING LEVELING BINDER (MM), TYPE 2, 0.75"
- ⑩ EXISTING HMA SURFACE COURSE, MIX D, CLASS I, TYPE 2, 1.5"
- ⑪ EXISTING AGGREGATE SHOULDER
- ⑫ EXISTING AGGREGATE SHOULDER WEDGE
- ⑬ EXISTING CONCRETE CURB
- ⑭ EXISTING CCC&G, TYPE B-6.06
- ⑮ EXISTING CCC&G, TYPE B-6.24
- ⑯ EXISTING CONCRETE MEDIAN
- ⑰ EXISTING PCC SIDEWALK
- ⑱ EXISTING HMA SURFACE COURSE, VAR. DEPTH
- ⑲ EXISTING BITUMINOUS BASE COURSE, 11"
- ⑳ EXISTING CONCRETE MEDIAN SURFACE
- ㉑ EXISTING CCC&G, TYPE B-6.12

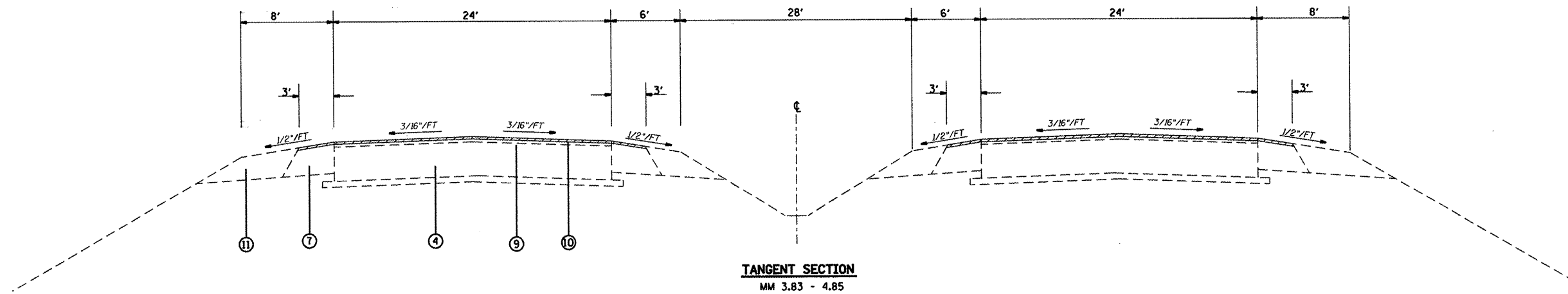
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

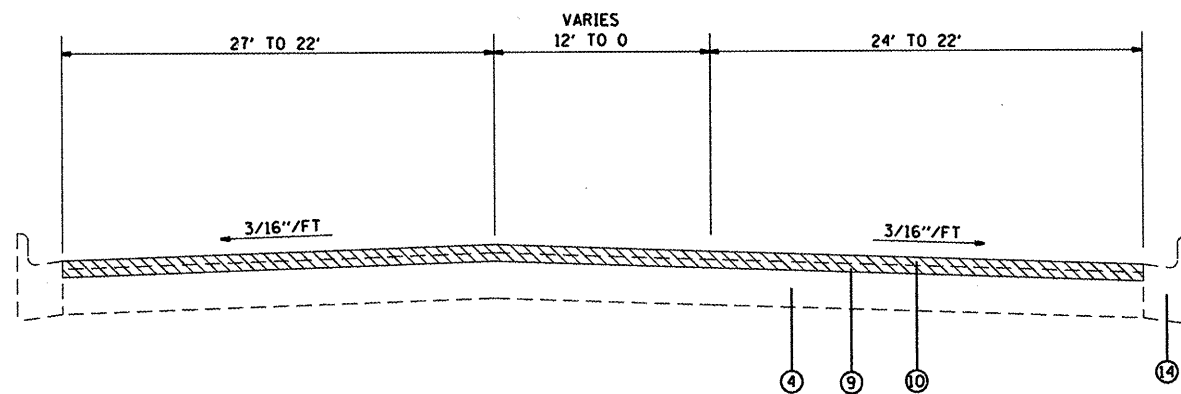
EXISTING TYPICAL SECTIONS

SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	14,5RS	MADISON	71	5
CONTRACT NO. 76D47				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

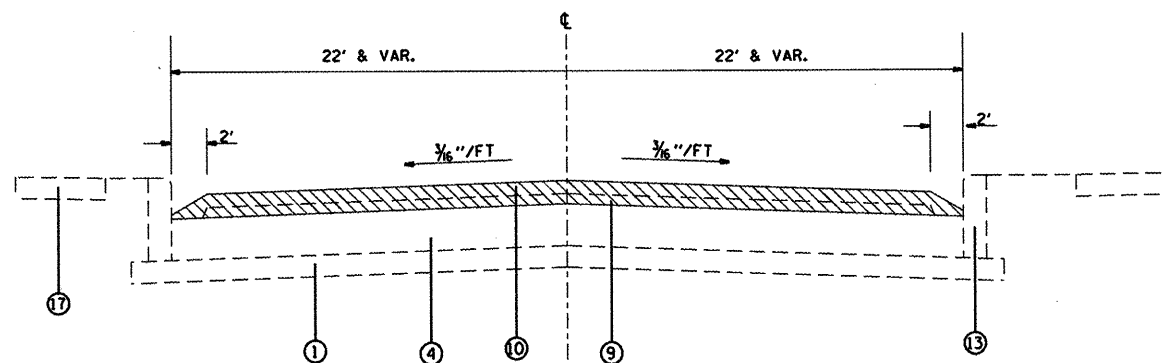


**TANGENT SECTION**  
MM 3.83 - 4.85



**TYPICAL SECTION**  
MM 4.85 - 4.95

NOTE: USE A 15' TAPER TO TAKE THE MILLING FROM 1-1/2" TO 2-1/4" AT THE CURB AND GUTTER SECTION. DO NOT MILL INTO THE CONCRETE.



**TYPICAL SECTION**  
MM 4.95 - 5.31  
MM 6.10 - 6.36

- PROP. HMA SURFACE REMOVAL 1-1/2"
- PROP. HMA SURFACE REMOVAL 2-1/4"

**LEGEND**

- ① EXISTING SUBBASE GRANULAR MATERIAL, 4"
- ② EXISTING PCC BASE COURSE, 8"
- ③ EXISTING CONCRETE PAVEMENT, 10-8-10
- ④ EXISTING PCC PAVEMENT, 10"
- ⑤ EXISTING HMA RESURFACING, 3" +/-
- ⑥ EXISTING HMA SHOULDER
- ⑦ EXISTING HMA SHOULDER, 6"
- ⑧ EXISTING HMA SHOULDER OVERLAY
- ⑨ EXISTING LEVELING BINDER (MM), TYPE 2, 0.75"
- ⑩ EXISTING HMA SURFACE COURSE, MIX D, CLASS I, TYPE 2, 1.5"
- ⑪ EXISTING AGGREGATE SHOULDER
- ⑫ EXISTING AGGREGATE SHOULDER WEDGE
- ⑬ EXISTING CONCRETE CURB
- ⑭ EXISTING CCC&G, TYPE B-6.06
- ⑮ EXISTING CCC&G, TYPE B-6.24
- ⑯ EXISTING CONCRETE MEDIAN
- ⑰ EXISTING PCC SIDEWALK
- ⑱ EXISTING HMA SURFACE COURSE, VAR. DEPTH
- ⑲ EXISTING BITUMINOUS BASE COURSE, 11"
- ⑳ EXISTING CONCRETE MEDIAN SURFACE
- ㉑ EXISTING CCC&G, TYPE B-6.12

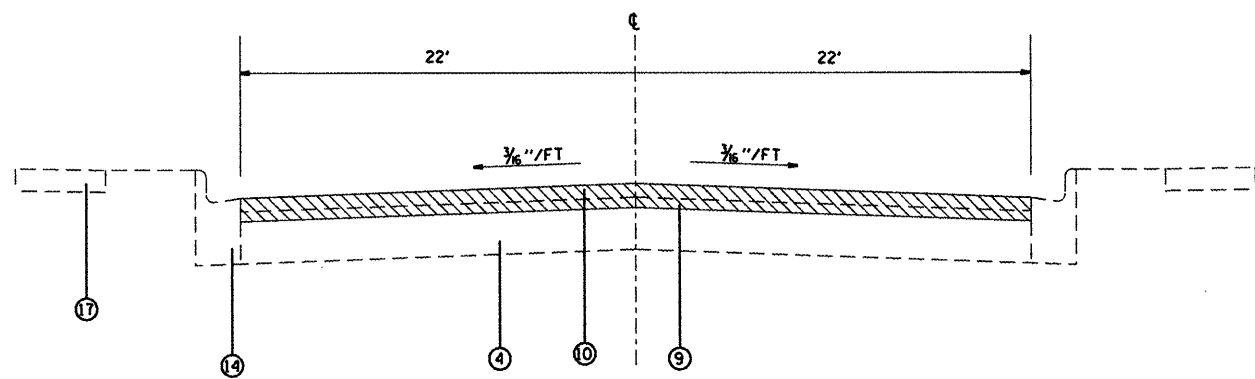
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

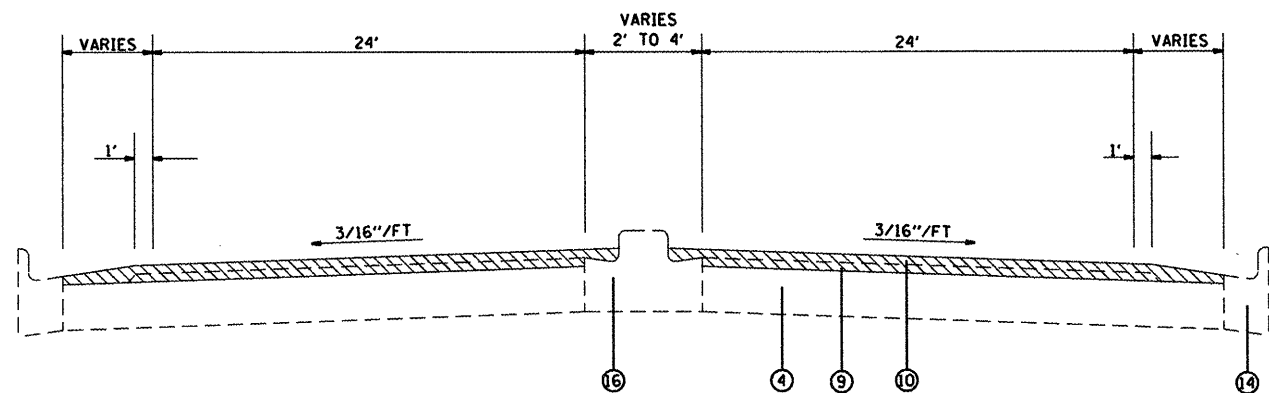
EXISTING TYPICAL SECTIONS

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	4.5RS	MADISON	71	6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D47	



**TYPICAL SECTION**  
MM 5.31 - 6.10



**TYPICAL SECTION**  
MM 6.33 - 6.41

- PROP. HMA SURFACE REMOVAL 1-1/2"
- PROP. HMA SURFACE REMOVAL 2-1/4"

**LEGEND**

- ① EXISTING SUBBASE GRANULAR MATERIAL, 4"
- ② EXISTING PCC BASE COURSE, 8"
- ③ EXISTING CONCRETE PAVEMENT, 10-8-10
- ④ EXISTING PCC PAVEMENT, 10"
- ⑤ EXISTING HMA RESURFACING, 3" +/-
- ⑥ EXISTING HMA SHOULDER
- ⑦ EXISTING HMA SHOULDER, 6"
- ⑧ EXISTING HMA SHOULDER OVERLAY
- ⑨ EXISTING LEVELING BINDER (MM), TYPE 2, 0.75"
- ⑩ EXISTING HMA SURFACE COURSE, MIX D, CLASS I, TYPE 2, 1.5"
- ⑪ EXISTING AGGREGATE SHOULDER
- ⑫ EXISTING AGGREGATE SHOULDER WEDGE
- ⑬ EXISTING CONCRETE CURB
- ⑭ EXISTING CCC&G, TYPE B-6.06
- ⑮ EXISTING CCC&G, TYPE B-6.24
- ⑯ EXISTING CONCRETE MEDIAN
- ⑰ EXISTING PCC SIDEWALK
- ⑱ EXISTING HMA SURFACE COURSE, VAR. DEPTH
- ⑲ EXISTING BITUMINOUS BASE COURSE, 11"
- ⑳ EXISTING CONCRETE MEDIAN SURFACE
- ㉑ EXISTING CCC&G, TYPE B-6.12

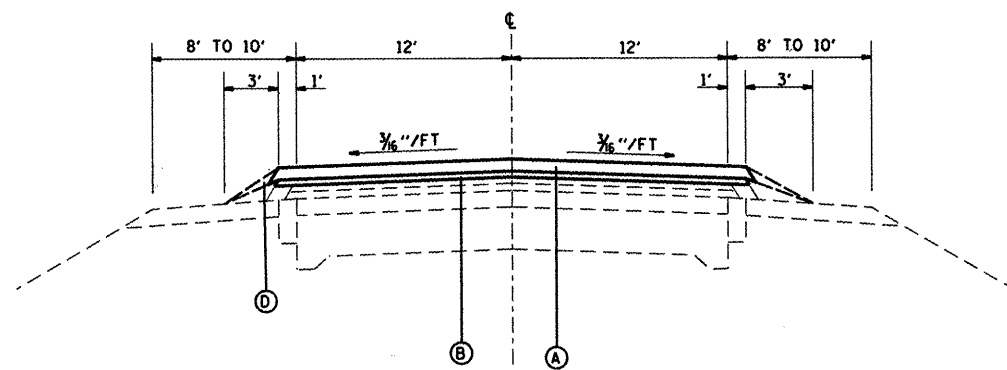
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS

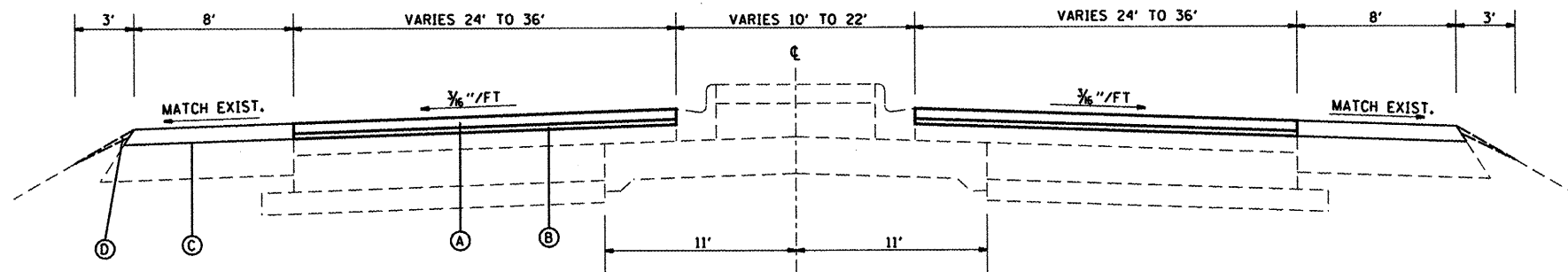
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	4,5RS	MADISON	71	7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D47	



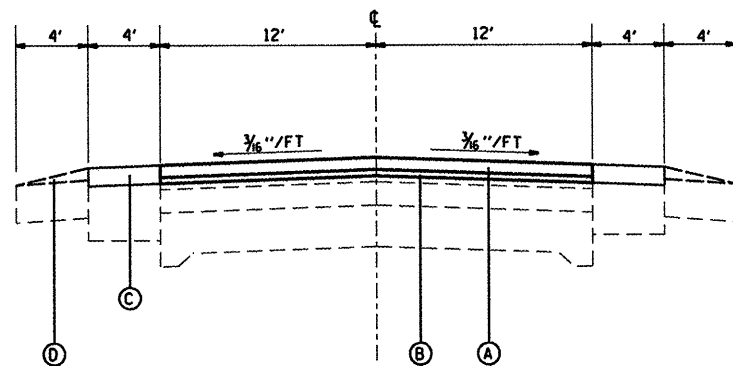
**TYPICAL SECTION**

MM 0.00 - 1.39  
 MM 1.94 - 2.02  
 MM 2.17 - 3.83  
 BRIDGE OMISSION: MM 0.20 - 0.27  
 BRIDGE OMISSION: MM 1.00 - 1.06



**TYPICAL SECTION**

MM 1.39 - 1.94 (New Poag Road)



**TYPICAL SECTION**

MM 2.02 - 2.17  
 BRIDGE OMISSION: MM 2.06 - 2.13

**LEGEND**

- (A) PROP. HMA SURFACE COURSE, MIX "D", N90, 1-1/2"
- (B) PROP. LEVELING BINDER (MM), N90, 3/4"
- (C) PROP. HMA SHOULDERS, 2-1/4"
- (D) PROP. AGGREGATE WEDGE SHOULDER, TYPE B

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
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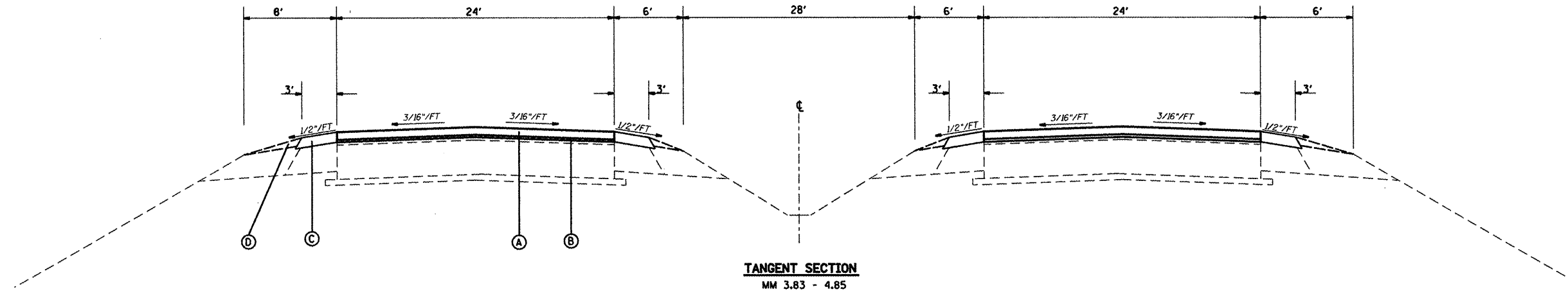
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

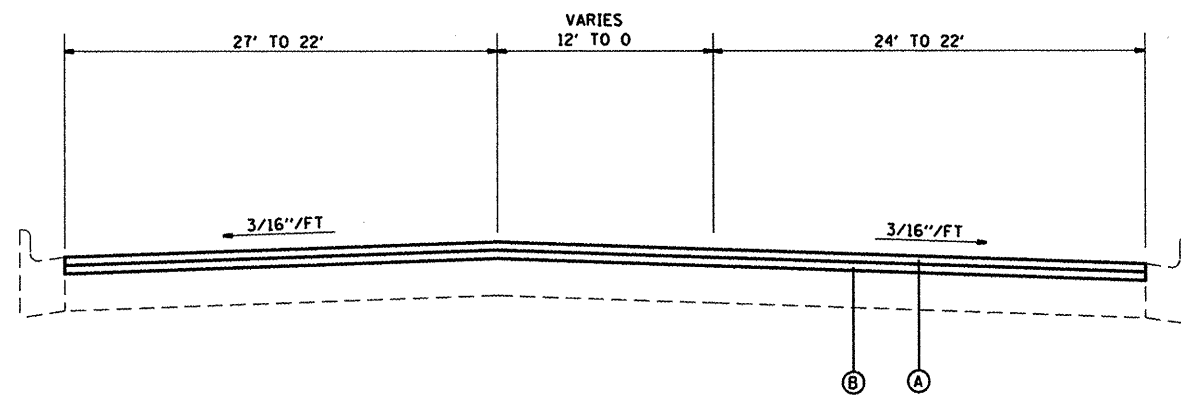
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	14,5RS	MADISON	71	8
CONTRACT NO. T6D47				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

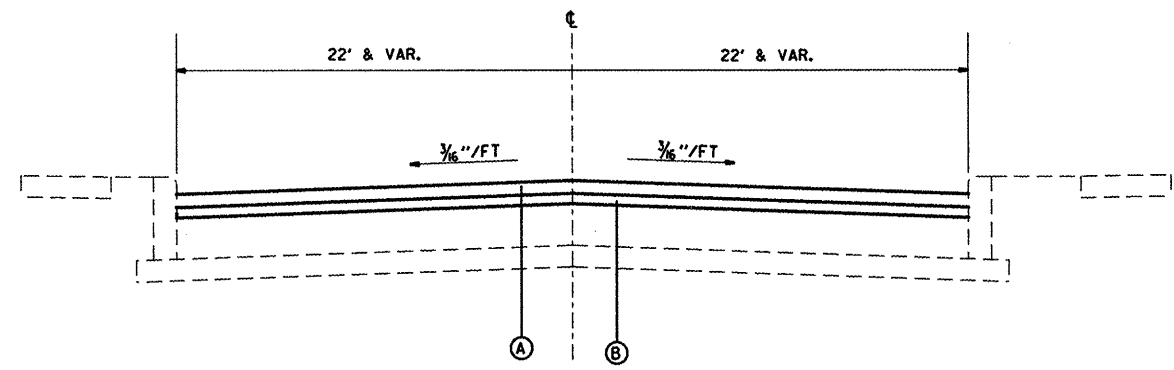




**TANGENT SECTION**  
MM 3.83 - 4.85



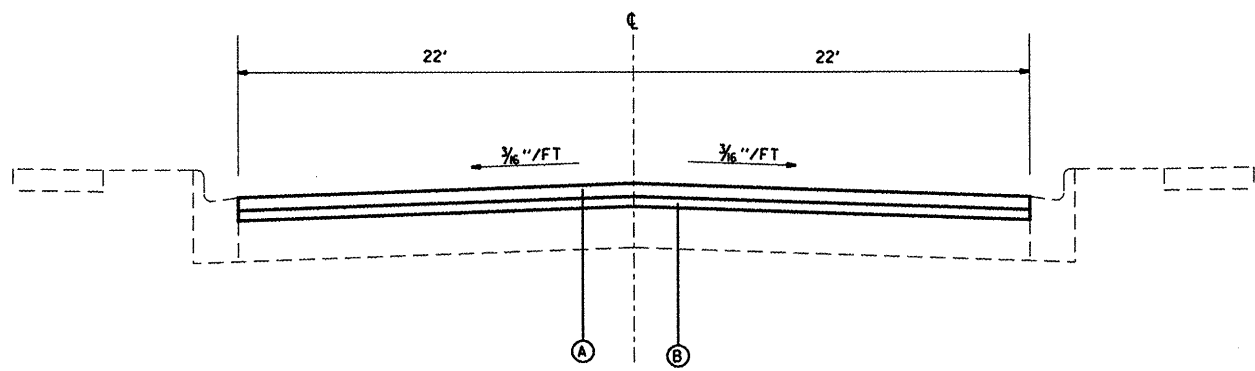
**TYPICAL SECTION**  
MM 4.85 - 4.95



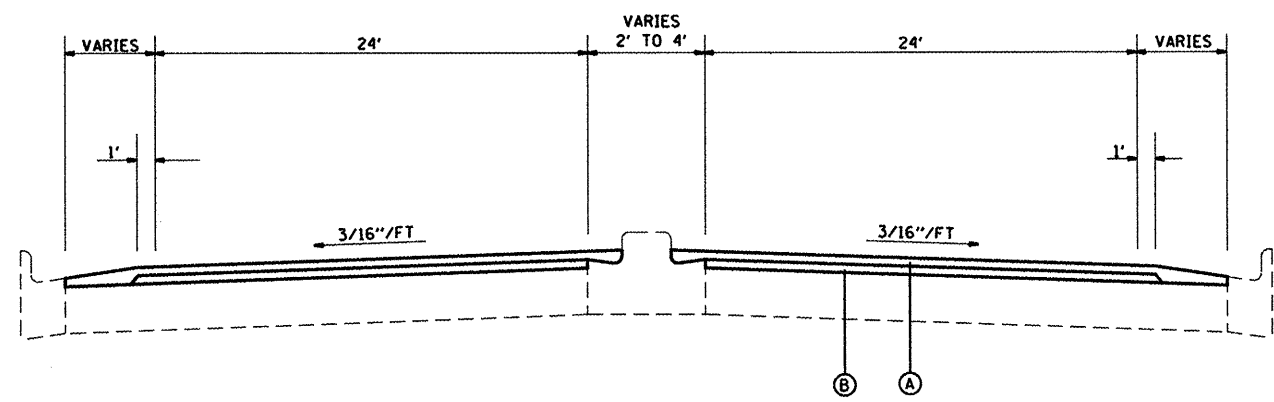
**TYPICAL SECTION**  
MM 4.95 - 5.31  
MM 6.10 - 6.33

- LEGEND**
- (A) PROP. HMA SURFACE COURSE, MIX "D", N90, 1-1/2"
  - (B) PROP. LEVELING BINDER (MM), N90, 3/4"
  - (C) PROP. HMA SHOULDERS, 2-1/4"
  - (D) PROP. AGGREGATE WEDGE SHOULDER, TYPE B

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TYPICAL SECTIONS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = #SCALE#	DRAWN -	REVISED -				582	(4,5RS)	MADISON	71	9	
	PLOT DATE = #DATE#	CHECKED -	REVISED -		SCALE:	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	<b>CONTRACT NO. 76D47</b>	
		DATE -	REVISED -									



**TYPICAL SECTION**  
MM 5.31 - 6.10



**TYPICAL SECTION**  
MM 6.33 - 6.36

**LEGEND**

- (A) PROP. HMA SURFACE COURSE, MIX "D", N90, 1-1/2"
- (B) PROP. LEVELING BINDER (MM), N90, 3/4"
- (C) PROP. HMA SHOULDERS, 2-1/4"
- (D) PROP. AGGREGATE WEDGE SHOULDER, TYPE B

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TYPICAL SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -		SCALE:	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.	582	14,5RS	MADISON	71	10
		CHECKED -	REVISED -					<b>CONTRACT NO. 76D47</b>					
		DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

LOCATION	FURNISHED EXCAVATION	SEEDING, CLASS 2	NITROGEN FERT. NUTRIENTS	PHOSPHOROUS FERT. NUTRIENTS	POTASSIUM FERT. NUTRIENTS	MULCH, METHOD 2	TEMP. EROSION CONTROL SEEDING
	CU YD	ACRE	LBS.	LBS.	LBS.	ACRE	LBS.
SN 060-0123							
NE QUADRANT	5	0.03	2.7	2.7	2.7	0.03	2.7
SE QUADRANT	5	0.03	2.7	2.7	2.7	0.03	2.7
NW QUADRANT	5	0.03	2.7	2.7	2.7	0.03	2.7
SW QUADRANT	5	0.03	2.7	2.7	2.7	0.03	2.7
SN 060-0122							
NE QUADRANT	5	0.03	2.7	2.7	2.7	0.03	2.7
SE QUADRANT	5	0.03	2.7	2.7	2.7	0.03	2.7
NW QUADRANT	5	0.03	2.7	2.7	2.7	0.03	2.7
SW QUADRANT	5	0.03	2.7	2.7	2.7	0.03	2.7
SN 060-0121							
NE QUADRANT	5	0.03	2.7	2.7	2.7	0.03	2.7
SE QUADRANT	5	0.03	2.7	2.7	2.7	0.03	2.7
NW QUADRANT	5	0.03	2.7	2.7	2.7	0.03	2.7
SW QUADRANT	5	0.03	2.7	2.7	2.7	0.03	2.7
TOTALS	60	0.36	32.4	32.4	32.4	0.36	32.4

NOTE: FURNISHED EXCAVATION ESTIMATED FOR SHOULDER WIDENING AT EACH TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) LOCATION

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULES</b>			F.A.P. RTE. 582	SECTION 14,5RS	COUNTY MADISON	TOTAL SHEETS 71	SHEET NO. 11
	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE:	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	<b>CONTRACT NO. 76047</b>	
	PLOT DATE = #DATE#	CHECKED -	REVISED -									
		DATE -	REVISED -									

THERMOPLASTIC PAVEMENT MARKING															
Location	LINE 4"								LINE 12"			LINE 24"	LETTERS & SYMBOLS		
	Edgelines (White)	Turn Lanes (White)	Skip-Dash, 2' (White)	Centerline Skip-Dash (White)	Centerline Skip-Dash (Yellow)	No Pass 1-Way (Yellow)	No Pass 2-Way (Yellow)	Median (Yellow)	Crosswalks (white)	Chevrons (Yellow)	Chevrons (White)	Stop Bars (White)	Turn Arrows (White)	RR Crossing (White)	
MM 0.00 - 0.20	2112				240	950	1056								
Br. Omission															
MM 0.27 - 1.00	7709				890	1954									
Br. Omission															
MM 1.07 - 2.06	10455				1580	6336	1372								
Br. Omission															
MM 2.13 - 4.90	29251			3350	2400	4277	5492								
MM 4.90 - 6.36				3860			15418								
New Poag Road		334						4072	37		72	62.4			
Madison/Hawthorne		736						3130		331	312	93.6	244.8		
Rand								6555			288		244.8		
Seventh		295						1295				31.2			
Seventh									83						
Tydeman								190			44				
Thomas								194			44				
Esther								213			44				
Madison (IL 143)		206	68					362			68	31.2			
Alton/Edwardsville											59	15.6			
SUB-TOTALS	49527	1571	68	7210	5110	13517	23338	15052	959	120	331	931	234	489.6	
TOTALS					115393					1410		931		723.6	

RAISED REFLECTIVE PAVEMENT MARKERS						
LOCATION	1-WAY CRYSTAL		2-WAY AMBER		1-WAY AMBER	
	REMOVE	NEW	REMOVE	NEW	REMOVE	NEW
MM 0.00 - 1.50			100	100		
MM 1.50 - 1.75	34	34				
MM 1.75 - 3.85			139	139		
MM 3.85 - 6.36	332	332				
New Poag Road	8	8				19
Madison/Hawthorn	19	19				
Seventh	7	7		6		12
Madison (IL 143)	5	5				
TOTALS	405	405	239	245	0	31

LOCATION	PRISMATIC CURB REFLECTOR	PAINT PAVEMENT MARKING CURB
	EACH	FOOT
NEW POAG RD (S SIDE)	40	1024
NEW POAG RD (N SIDE)	40	1024
ALTON/EDWARDSVILLE RD.	4	96
TOTALS	84	2144

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.

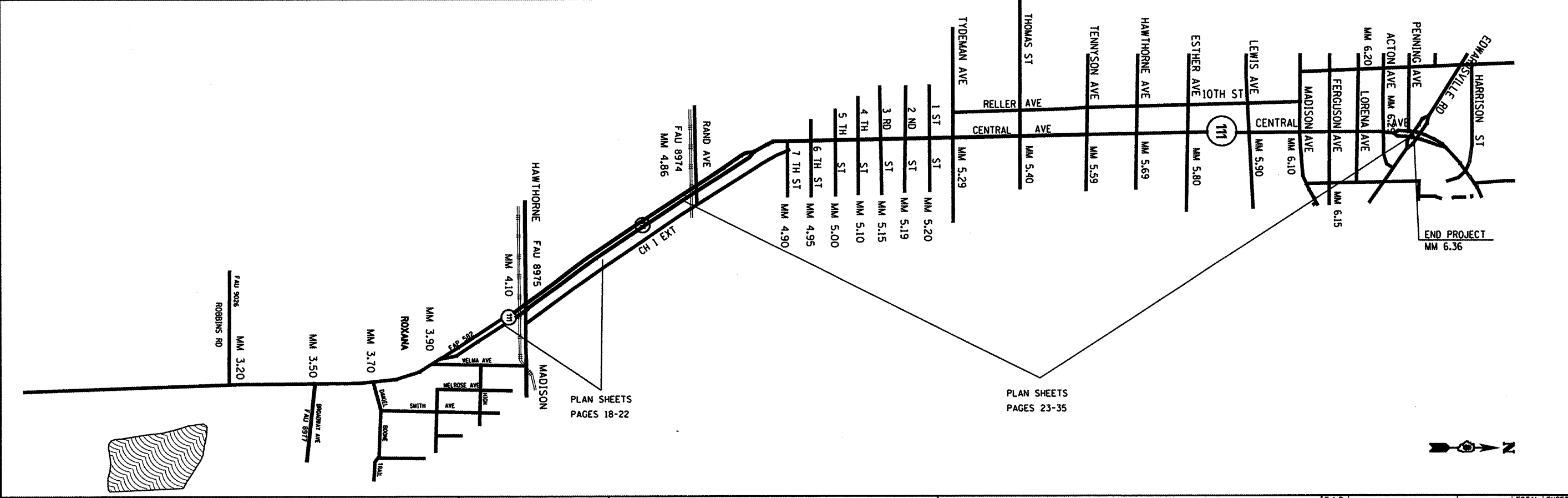
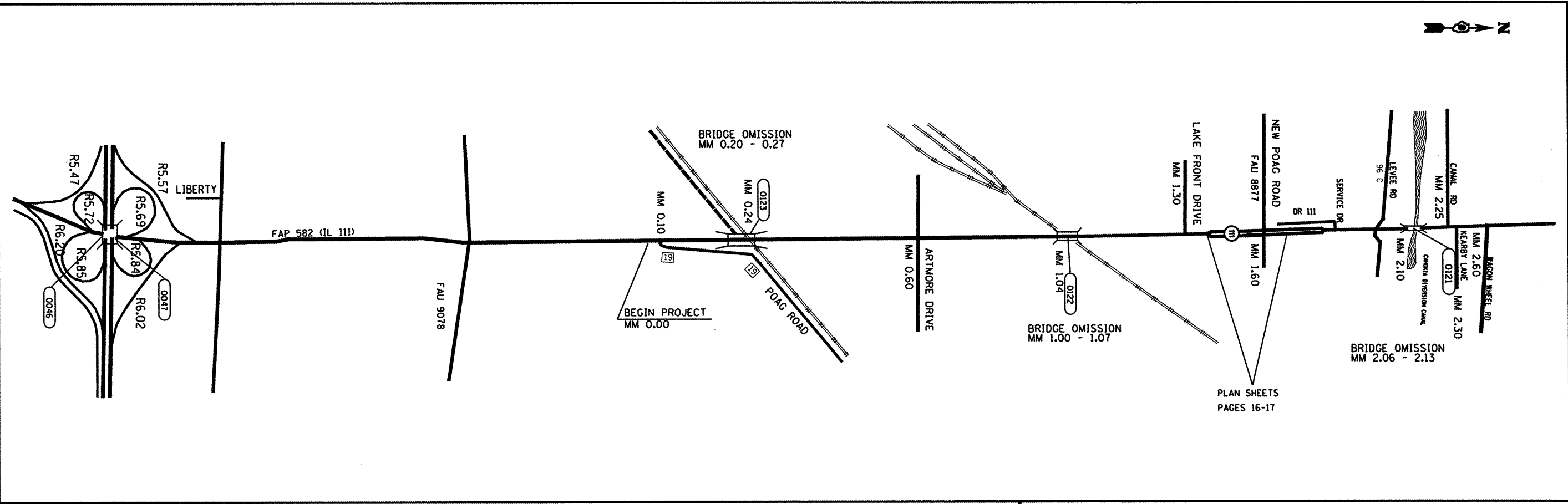
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	(4,5)RS	MADISON	71	12
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76047	

MILLING AND RESURFACING											
LOCATION	SQ FT	HMA SURF REM - BT JT	TEMP RAMPS	HMA SURF REM, 3/4"	HMA SURF REM, 2-1/4"	HMA SURF CSE, MIX D, N90	LEVELING BINDER (MM), N90	HMA SHOULDERS	HMA SHOULDERS 8'	PAVED SHOULDER REMOVAL	AGGREGATE WEDGE SHOULDER, TYPE B
		SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	SQ YD	SQ YD	TON
MM 0.00 - 0.20	27456	96.6	19.4	3050.7		256.3	128.1	21.3			82.1
Bridge Omission											
MM 0.27 - 1.00	100214.4	106.6	21.4	11134.9		935.3	467.7	28.1	33.3	33.3	299.8
Bridge Omission											
MM 1.06 - 1.39	45302.4	53.3	10.7	5033.6		422.8	211.4		27.8	27.8	135.5
MM 1.39 - 1.94	216415.8				24046.2	1626.2	813.1	603.2			112.9
MM 1.94 - 2.02	10982.4			1220.3		102.5	51.3				32.9
MM 2.02 - 2.06	6758.4	53.3	10.7	750.9		47.3	23.7	23.6			21.9
Bridge Omission											
MM 2.13 - 2.17	6758.4	53.3	10.7	750.9		47.3	23.7	23.6			21.9
MM 2.17 - 3.83	227884.8			25320.5		2126.9	1063.5				681.7
MM 3.83 - 4.85	323136	285	57	35904		2412.7	1206.4	904.8			837.7
MM 4.85 - 4.95	28512	261.6	52.4		3168	266.1	133.1				
MM 4.95 - 5.31	83635.2				9292.8	780.6	390.3				
MM 5.31 - 6.10	183532.8				20392.5	1713	856.5				
MM 6.10 - 6.33	55862.4				6206.9	521.4	260.7				
MM 6.33 - 6.36	9371.1	260.8	133.3		1041.2	87.5	43.7				
Madison/Hawthorn	16607.2			1845.2		155	77.5				
Rand Int.	1964.1			218.2		18.3	9.2				
TOTALS		1170.5	315.6	85229.2	64147.6	11528.1	5764.4	1604.6	61.1	61.1	2226.4

INCIDENTAL HMA SURFACING	
LOCATION	TON
CROSSOVERS	
N. of Madison/Hawthorn	95.0
S. of Rand	44.6
N. of Velma	50.2
SIDERROADS	
Old Poag Road	4.9
Artmore Dr.	7.0
Lake Front Dr.	10.5
Frontage Road	2.8
Frontage Road	2.1
Canal Road	3.5
Kearby Lane	3.5
Wagon Wheel Road	8.4
Robbins Road	5.3
Broadway Ave.	10.5
Daniel Boone Trail	7.0
Velma	3.5
Madison/Hawthorne	22.7
Rand	14.0
DRIVEWAYS	5.8
TOTAL	301.3

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -					582	(4,5RS)	MADISON	71	13
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	PLOT DATE = #DATE#	DATE -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			





FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
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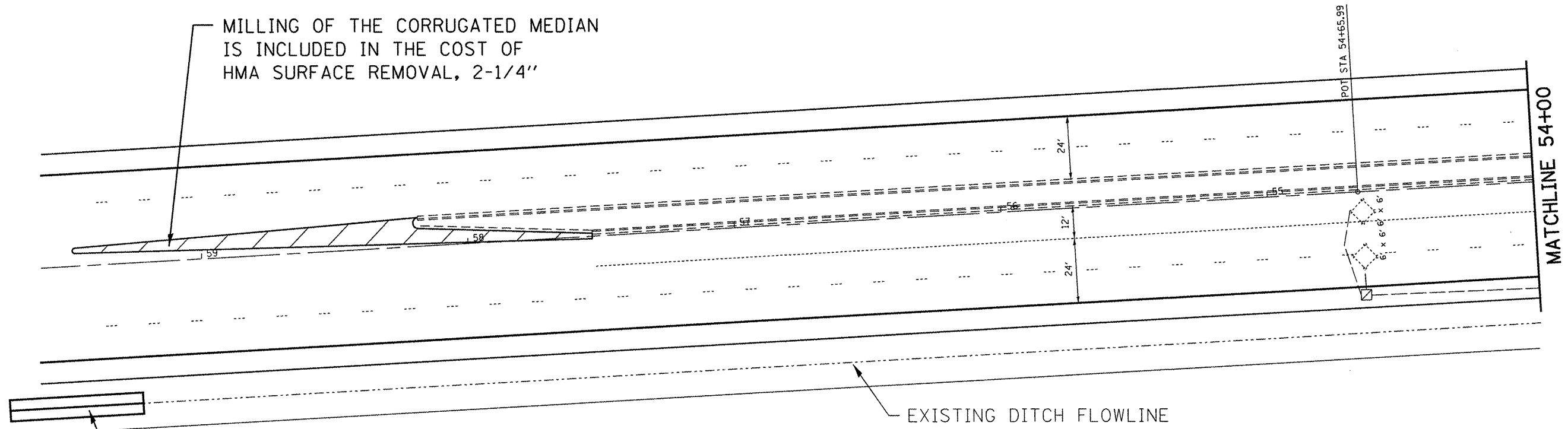
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>LOCATION MAP</b>	
SCALE:	STATION TO STATION
SHEET NO. 1 OF 1 SHEETS	STA. TO STA.

F.A.P. RTE. 582	SECTION 14,5RS	COUNTY MADISON	TOTAL SHEETS 71	SHEET NO. 15
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. T6D47	



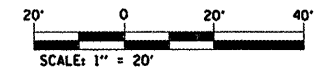
MILLING OF THE CORRUGATED MEDIAN  
IS INCLUDED IN THE COST OF  
HMA SURFACE REMOVAL, 2-1/4"



PROP. DBL. 48" CMP, 50' EACH  
FLOWLINE OF THE DITCH IS NOT TO CHANGE.

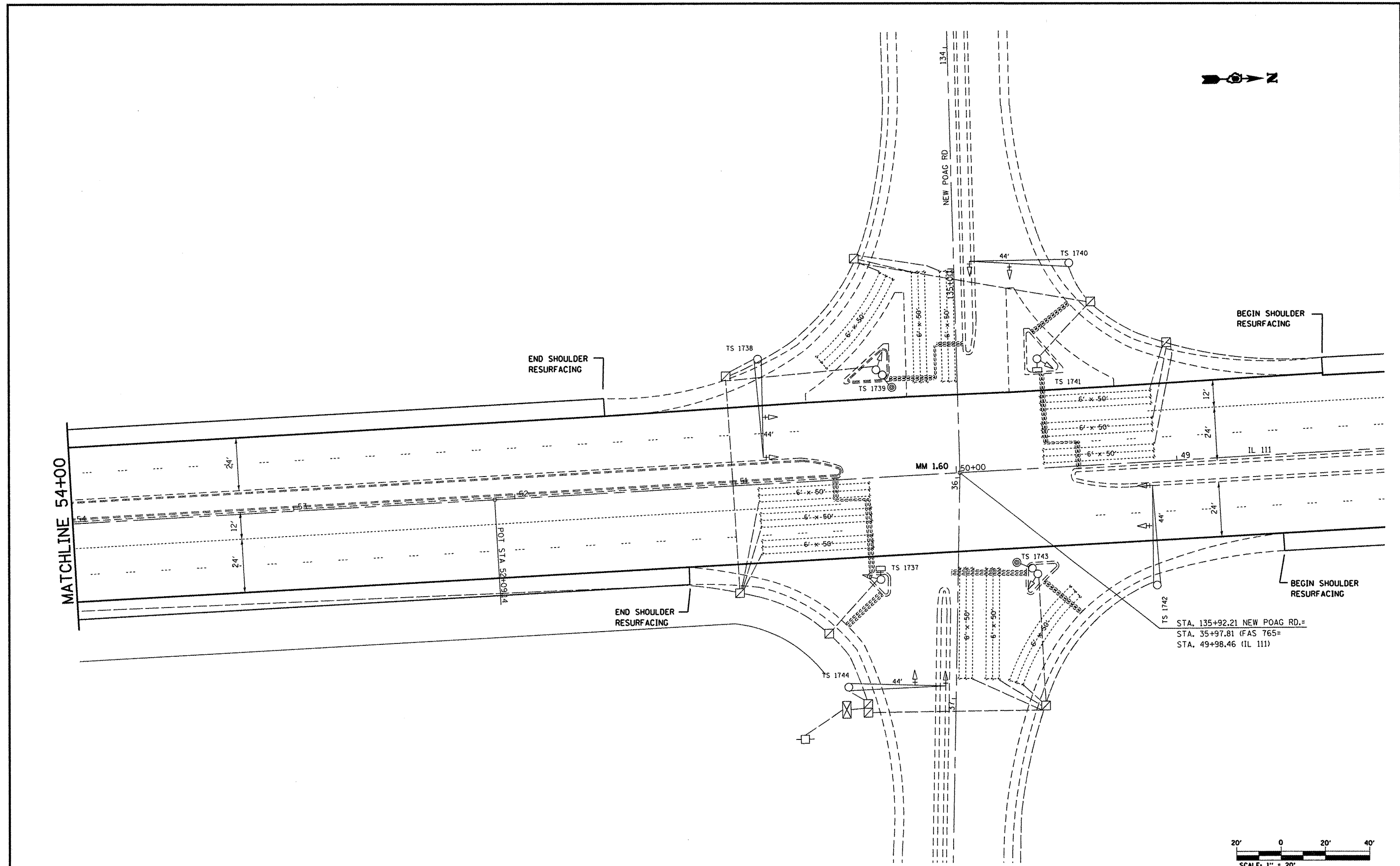
AGGREGATE SURFACE COURSE, TYPE B (6") = 20 TONS  
FURNISHED EXCAVATION = 16 CU YDS

FIELD

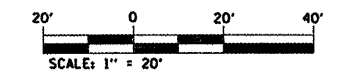


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	PLOT SCALE = #SCALE#	DRAWN -	REVISD -		SCALE: 20'-1"	SHEET NO. 1 OF 20 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	<b>CONTRACT NO. 76D47</b>	
	PLOT DATE = #DATE#	CHECKED -	REVISD -									
		DATE -	REVISD -									





STA. 135+92.21 NEW POAG RD.=  
 STA. 35+97.81 (FAS 765)=  
 STA. 49+98.46 (IL 111)



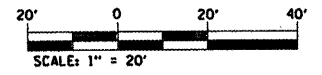
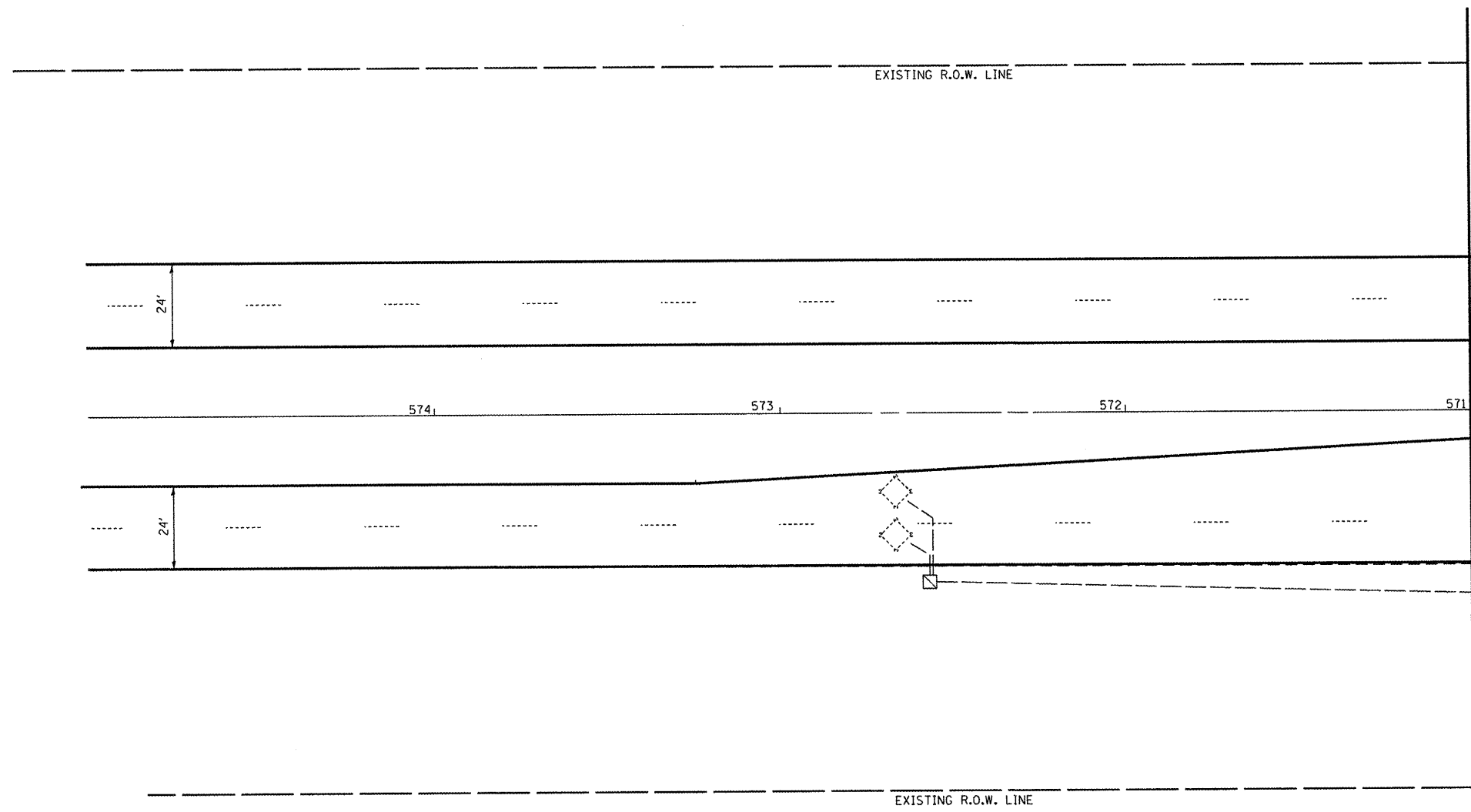
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	PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

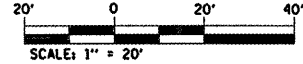
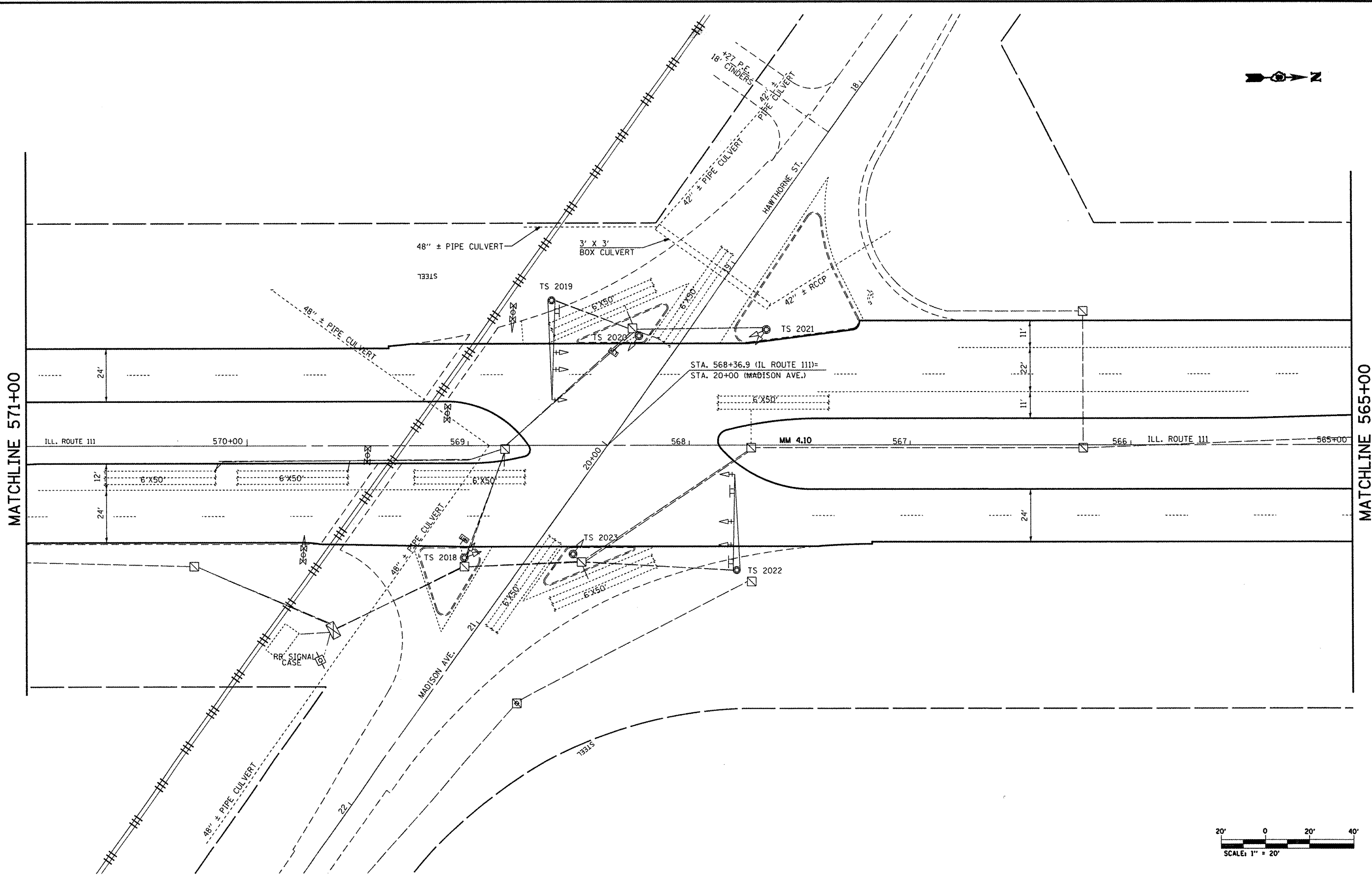
**PLAN SHEET  
 NEW POAG ROAD**

SCALE: 20'=1"    SHEET NO. 2 OF 20 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	(4,5)RS	MADISON	71	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D47	



FILE NAME = #FILEL*	USER NAME = #USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET MADISON AVE/HAWTHORNE ST.</b>			F.A.P. RTE. 582	SECTION 14.5RS	COUNTY MADISON	TOTAL SHEETS 71	SHEET NO. 18
	PLOT SCALE = #SCALE*	DRAWN -	REVISED -		SCALE: 20'=1"	SHEET NO. 3 OF 20 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76D47	
	PLDT. DATE = #DATE*	CHECKED -	REVISED -									
		DATE -	REVISED -									



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PLOT DATE = #DATE#

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DRAWN -  
CHECKED -  
DATE -

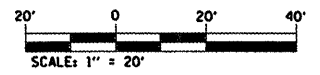
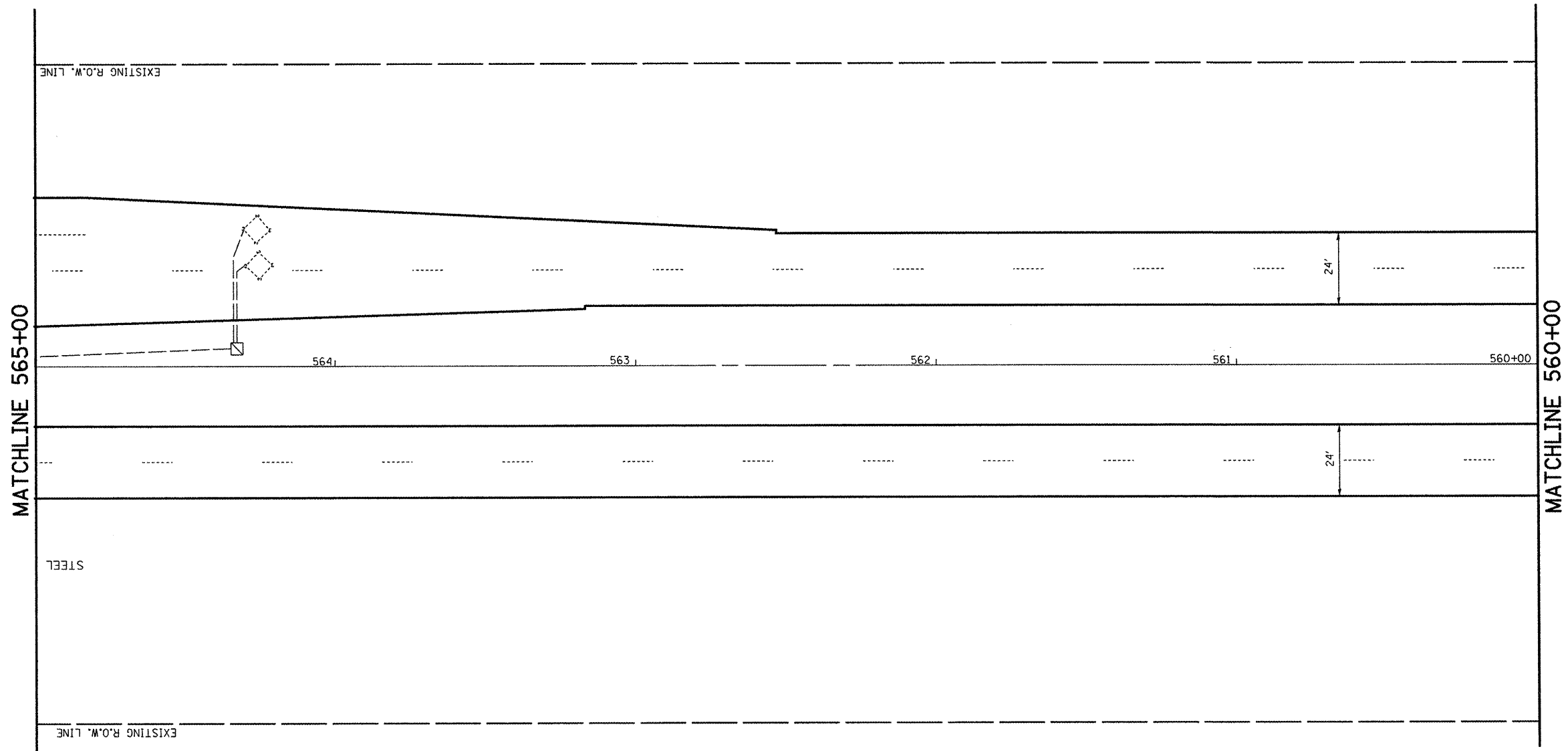
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET  
MADISON AVE/HAWTHORNE ST.**

SCALE: 20'=1"    SHEET NO. 4 OF 20 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	14,5RS	MADISON	71	19
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D47	



FILE NAME = #FILEL*	USER NAME = #USER*	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = #SCALE*	CHECKED -	REVISED -
	PLOT DATE = #DATE*	DATE -	REVISED -

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

**PLAN SHEET**  
**MADISON AVE./HAWTHORNE ST.**

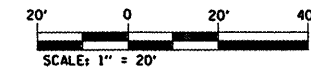
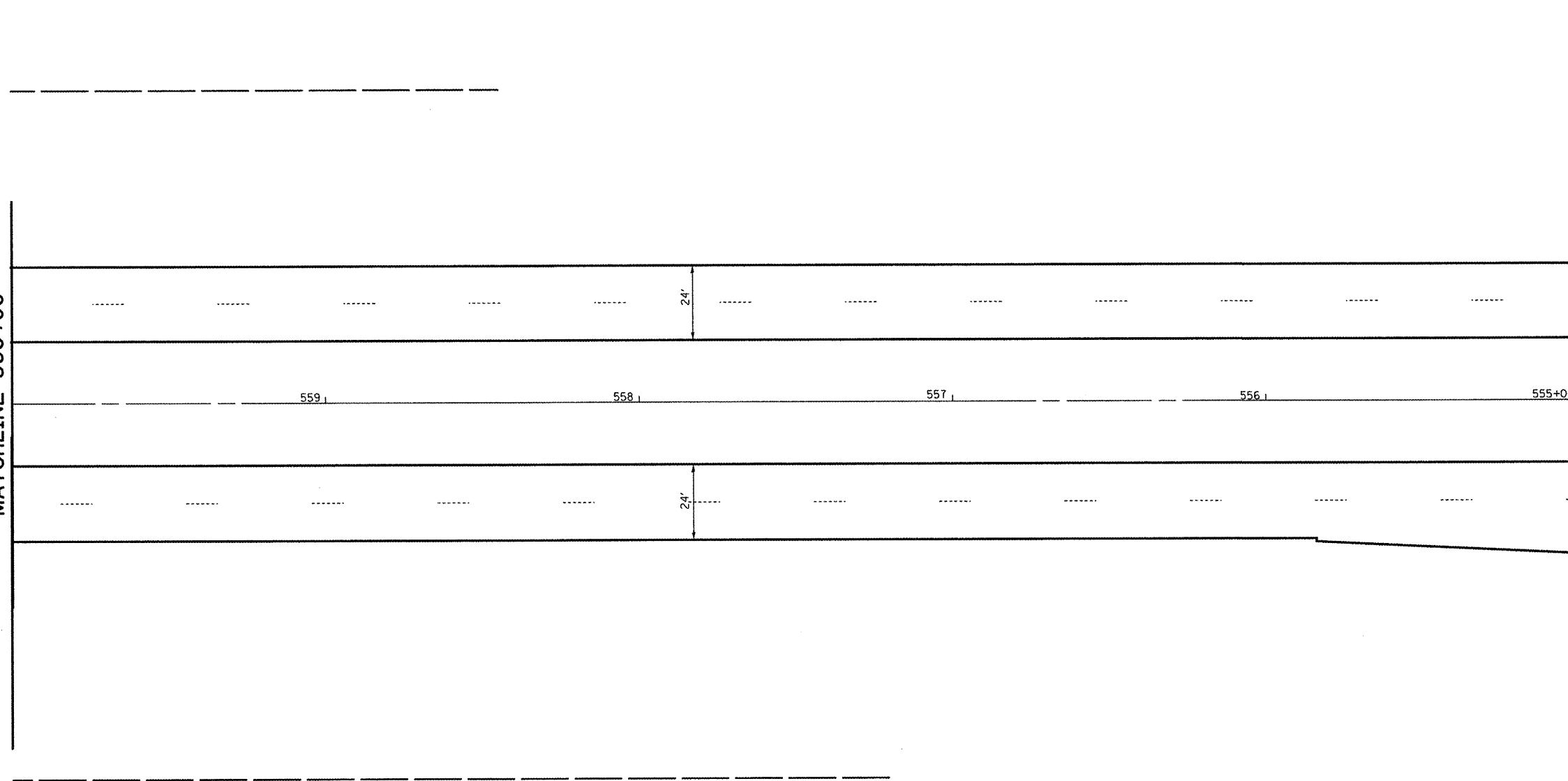
SCALE: 20'=1"    SHEET NO. 5 OF 20 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	(4,5RS)	MADISON	71	20
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76047	

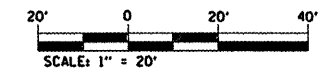
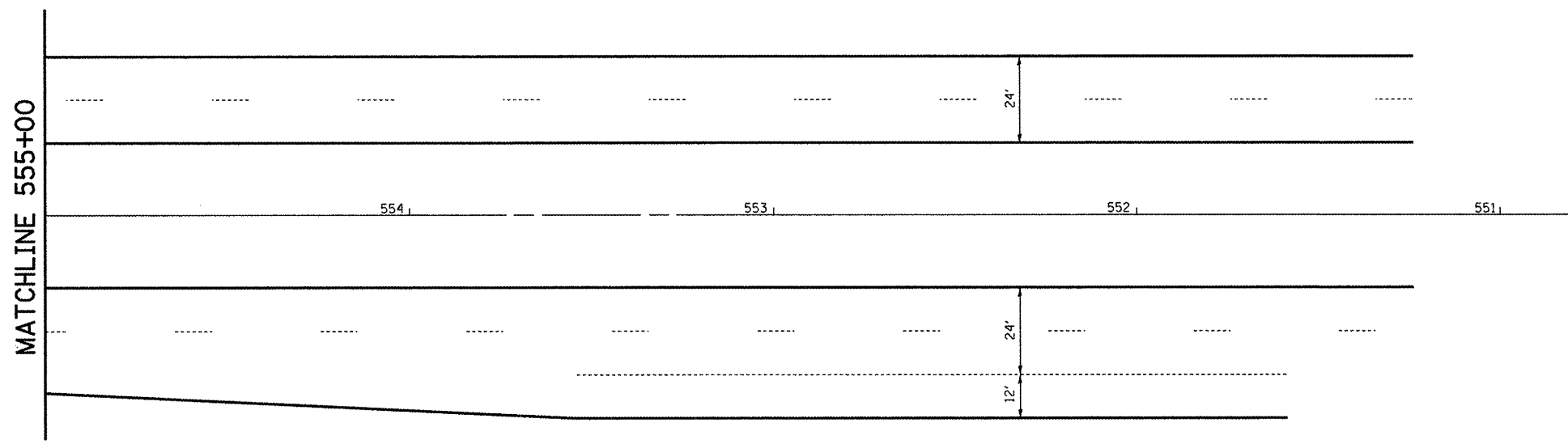


MATCHLINE 560+00

MATCHLINE 555+00



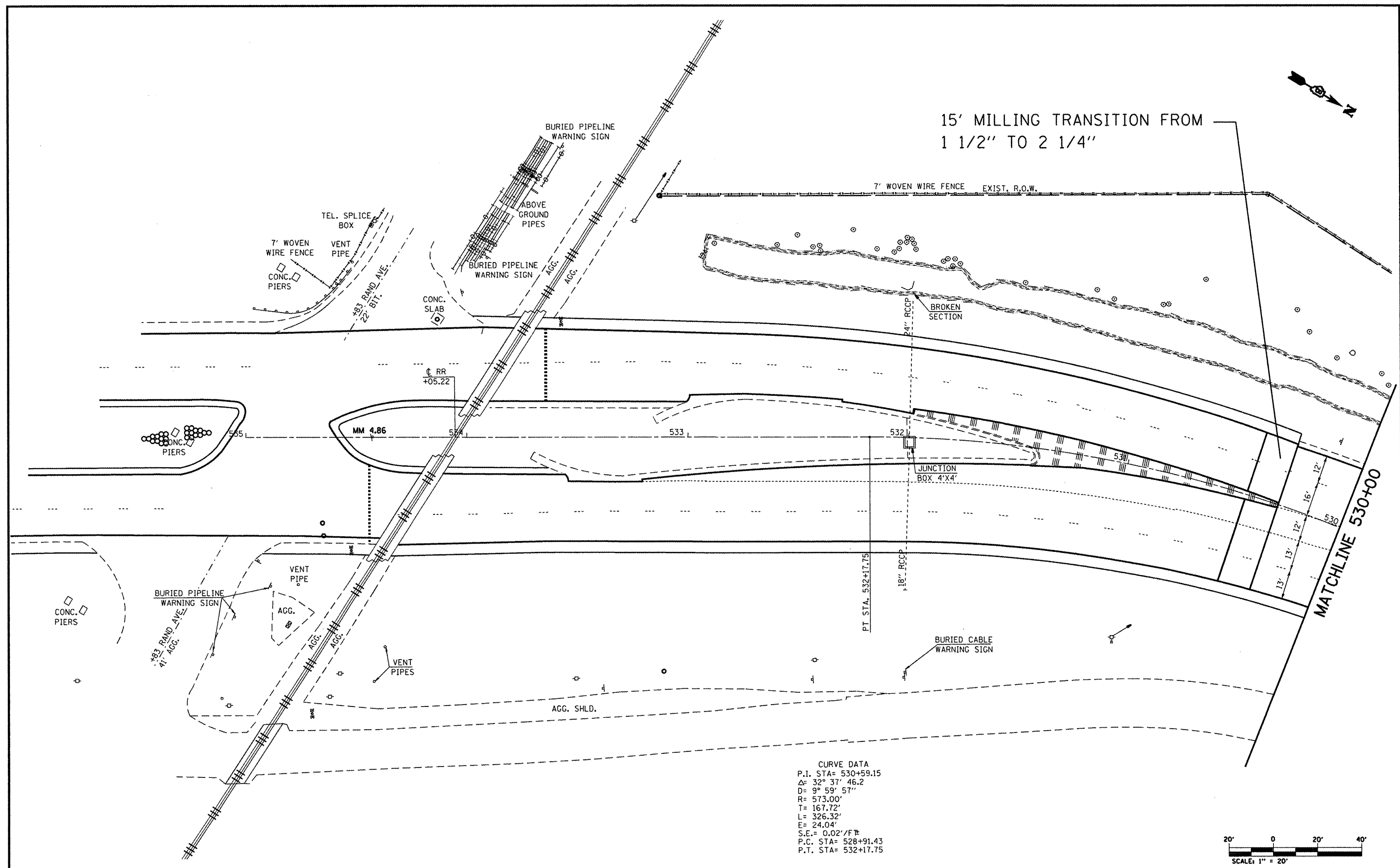
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	PLLOT SCALE = #SCALE#	CHECKED -	REVISED -		SCALE: 20'=1"	SHEET NO. 6 OF 20 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	<b>CONTRACT NO. T6D47</b>	
	PLLOT DATE = #DATE#	DATE -	REVISED -									



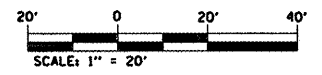
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	PLLOT SCALE = #SCALE#	CHECKED -	REVISED -		SCALE: 20'=1"	SHEET NO. 7 OF 20 SHEETS	STA.	TO STA.	<b>CONTRACT NO. 76D47</b>		
	PLLOT DATE = #DATE#	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						



15' MILLING TRANSITION FROM  
1 1/2" TO 2 1/4"



CURVE DATA  
 P.I. STA= 530+59.15  
 $\Delta$ = 32° 37' 46.2  
 D= 9° 59' 57"  
 R= 573.00'  
 T= 167.72'  
 L= 326.32'  
 E= 24.04'  
 S.E.= 0.02'/FB  
 P.C. STA= 528+91.43  
 P.T. STA= 532+17.75



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET  
RAND AVE.**

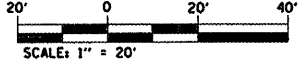
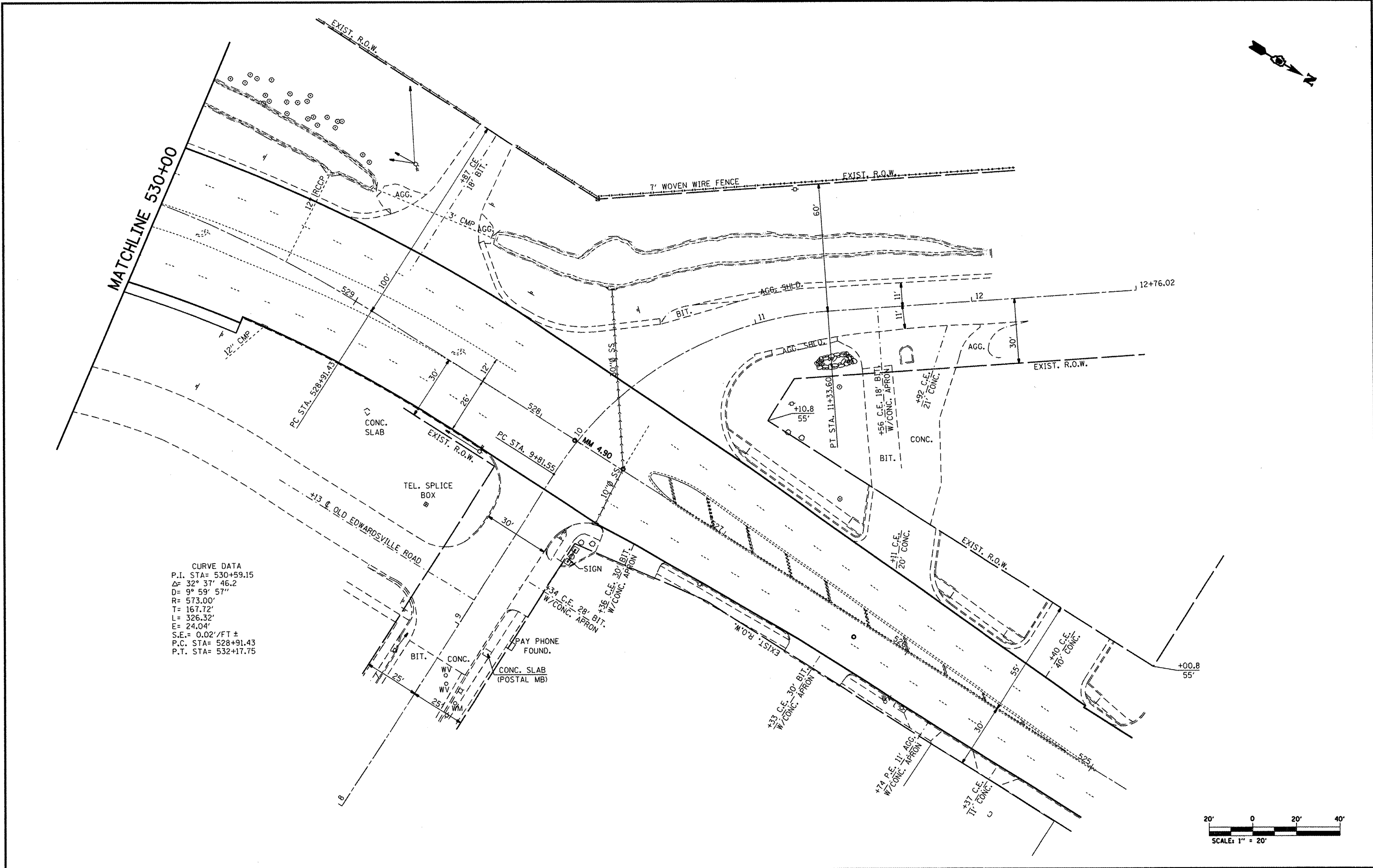
SCALE: 20'=1"    SHEET NO. 8 OF 20 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	(4,5)RS	MADISON	71	23
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76D47	

MATCHLINE 530+00



CURVE DATA  
 P.I. STA= 530+59.15  
 $\Delta= 32^{\circ} 37' 46.2$   
 $D= 9^{\circ} 59' 57''$   
 $R= 573.00'$   
 $T= 167.72'$   
 $L= 326.32'$   
 $E= 24.04'$   
 $S.E.= 0.02'/FT \pm$   
 P.C. STA= 528+91.43  
 P.T. STA= 532+17.75



FILE NAME =	USER NAME = #USER#
#FILE#	
PLOT SCALE = #SCALE#	
PLOT DATE = #DATE#	

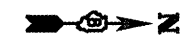
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

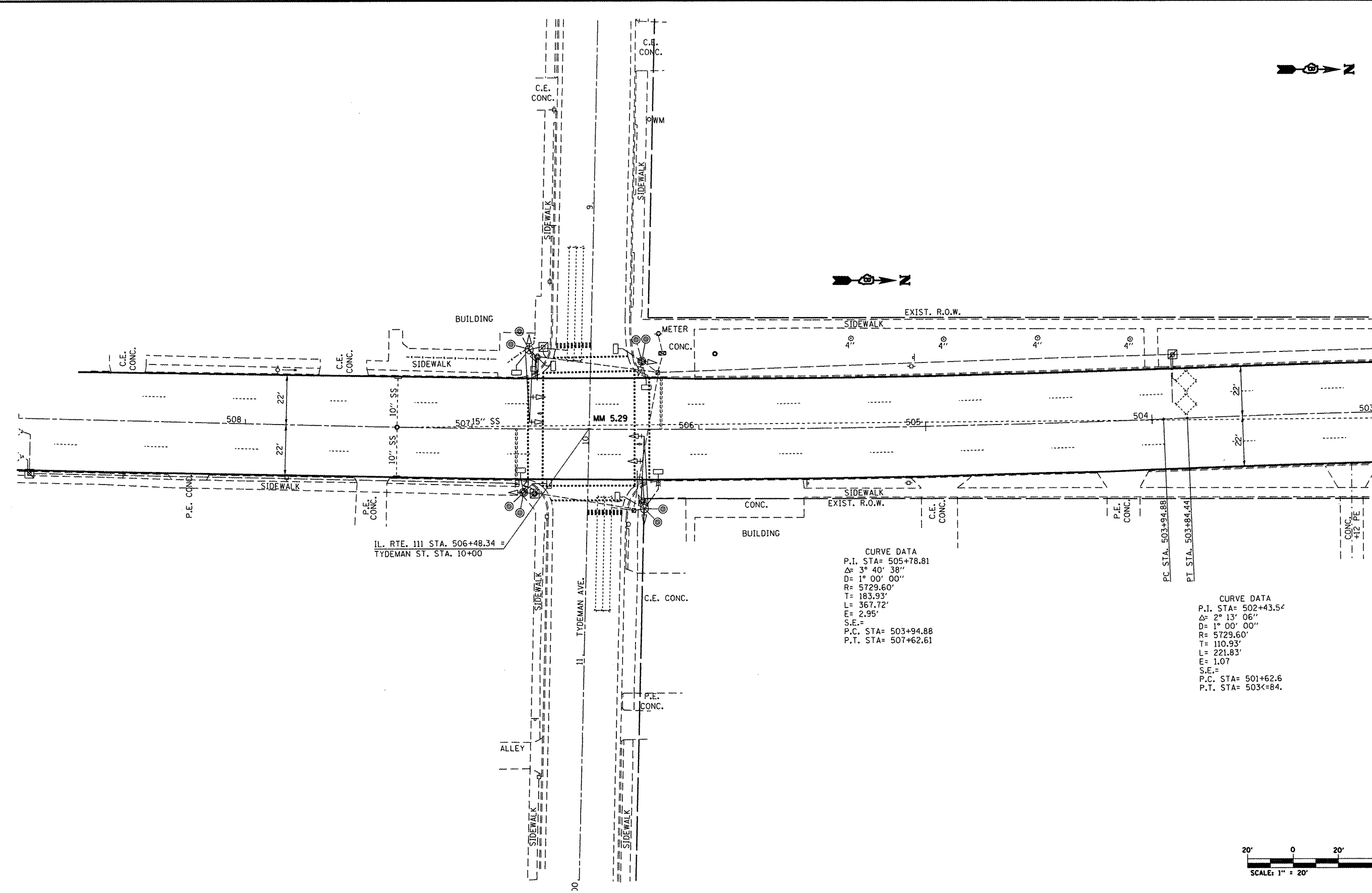
<b>PLAN SHEET SEVENTH ST.</b>	
SCALE: 20'=1"	SHEET NO. 9 OF 20 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	14,5RS	MADISON	71	24
<b>CONTRACT NO. 76D47</b>				
<small>FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT</small>				



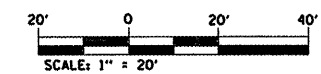


MATCHLINE 503+00

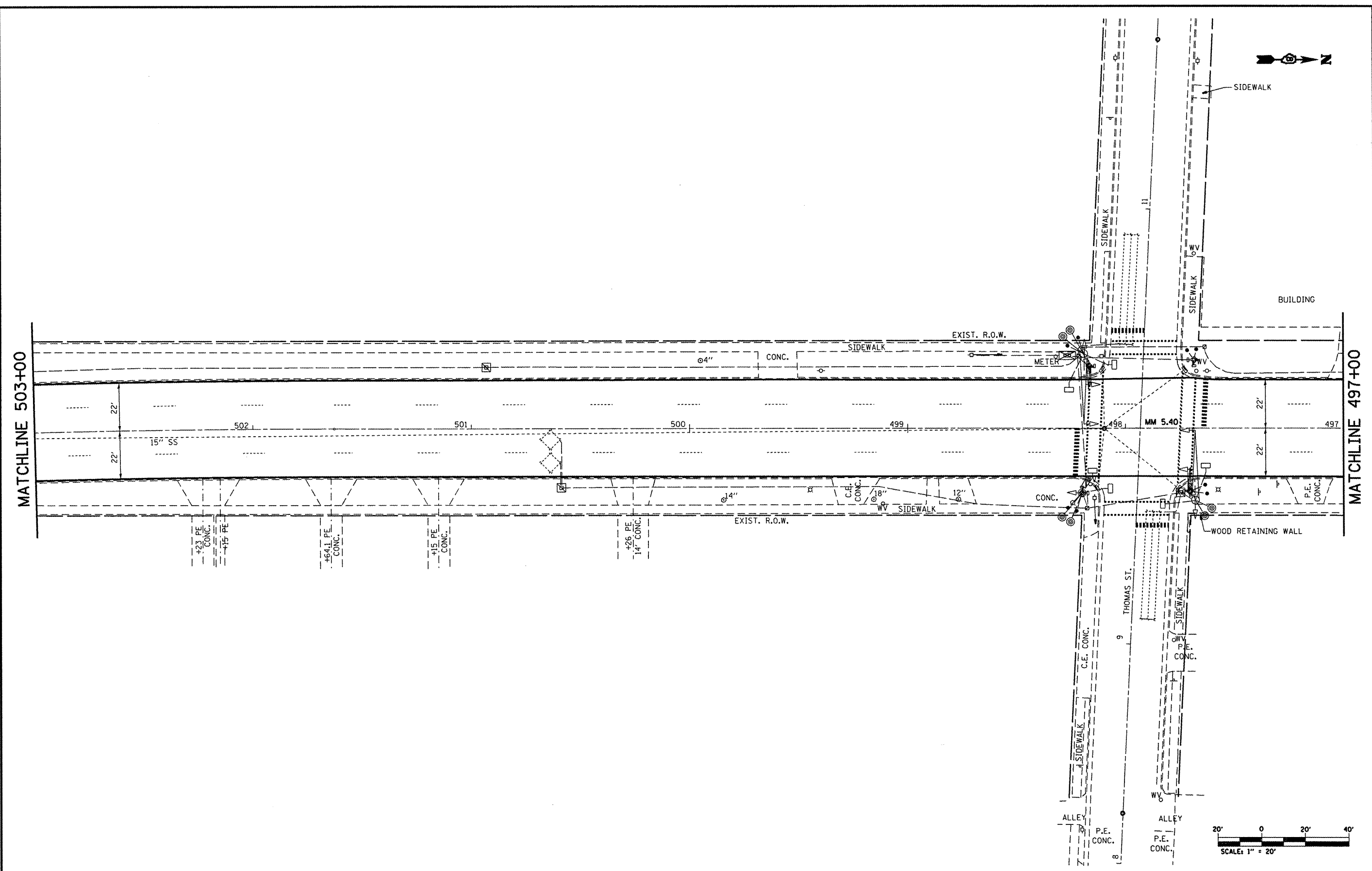


CURVE DATA  
 P.I. STA= 505+78.81  
 $\Delta$ = 3° 40' 38"  
 D= 1° 00' 00"  
 R= 5729.60'  
 T= 183.93'  
 L= 367.72'  
 E= 2.95'  
 S.E.=  
 P.C. STA= 503+94.88  
 P.T. STA= 507+62.61

CURVE DATA  
 P.I. STA= 502+43.54  
 $\Delta$ = 2° 13' 06"  
 D= 1° 00' 00"  
 R= 5729.60'  
 T= 110.93'  
 L= 221.83'  
 E= 1.07'  
 S.E.=  
 P.C. STA= 501+62.6  
 P.T. STA= 503+84.



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET IN ROXANA</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -		SCALE: 20'=1"	SHEET NO. 10 OF 20 SHEETS	STA.	TO STA.	582	(4,5RS)	MADISON	71 25
		PLOT SCALE = #SCALE#	CHECKED -		REVISED -					CONTRACT NO. 76D47		
		PLOT DATE = #DATE#	DATE -		REVISED -					FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		

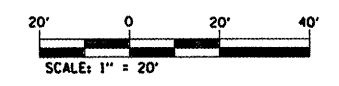
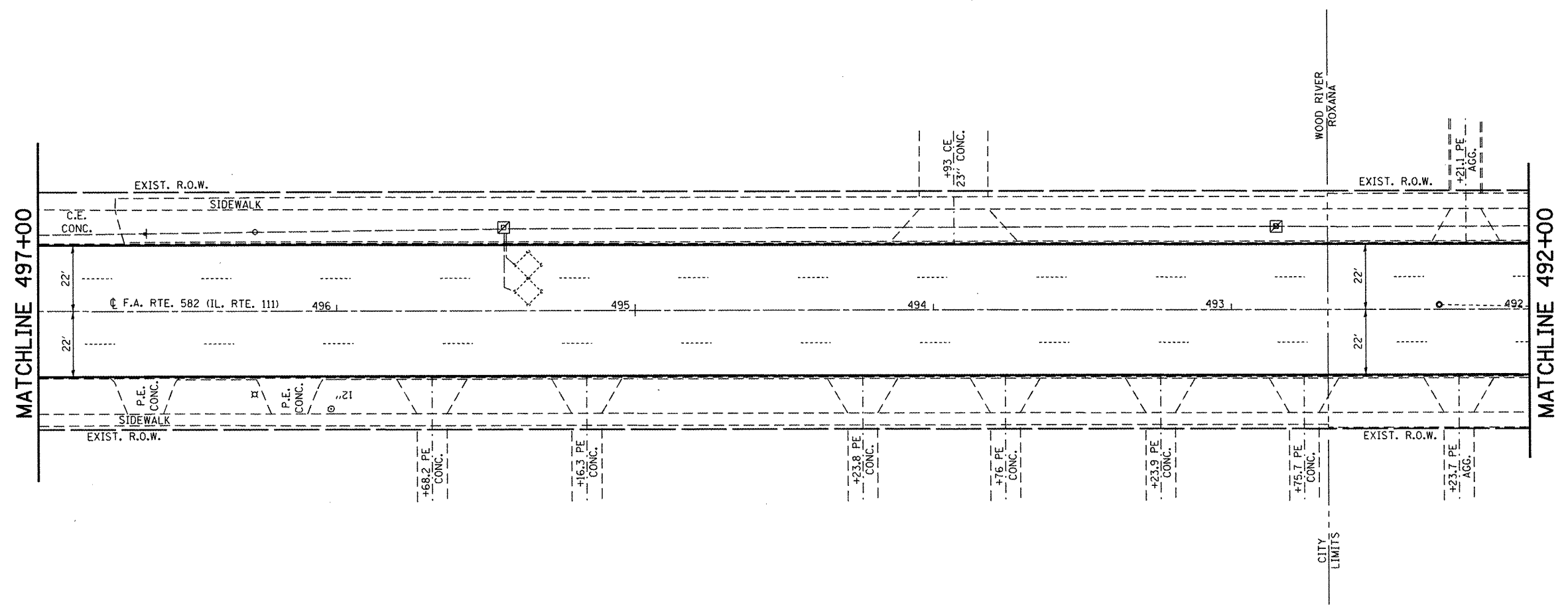
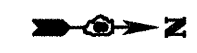


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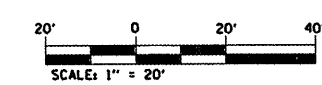
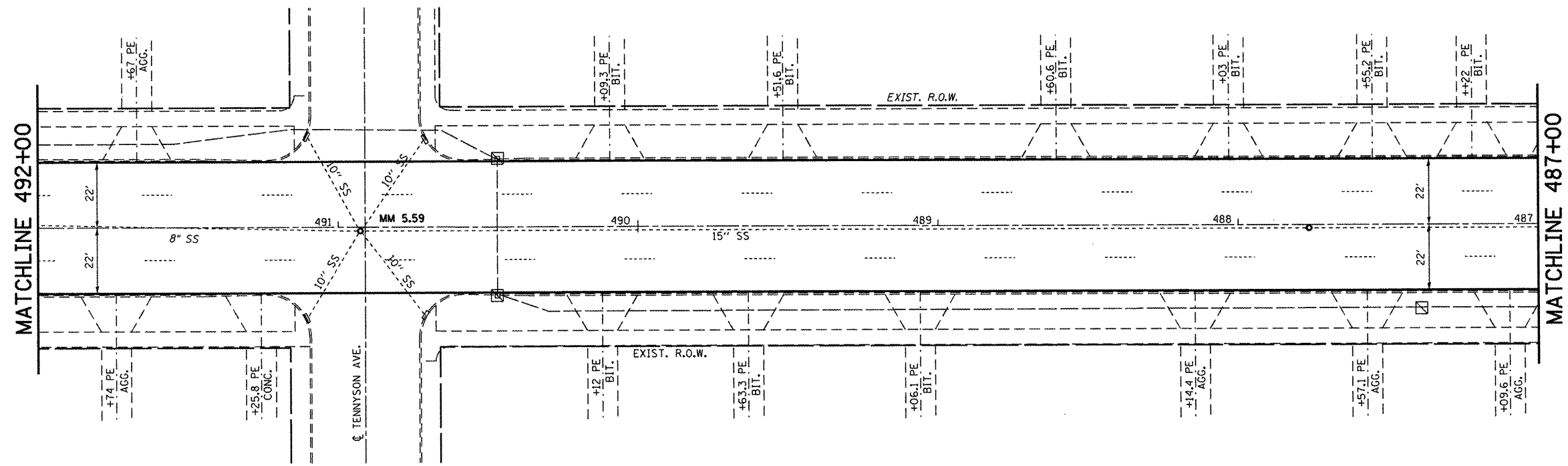
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEET IN ROXANA</b>	
SCALE: 20'=1"	SHEET NO. 11 OF 20 SHEETS
STA.	TO STA.

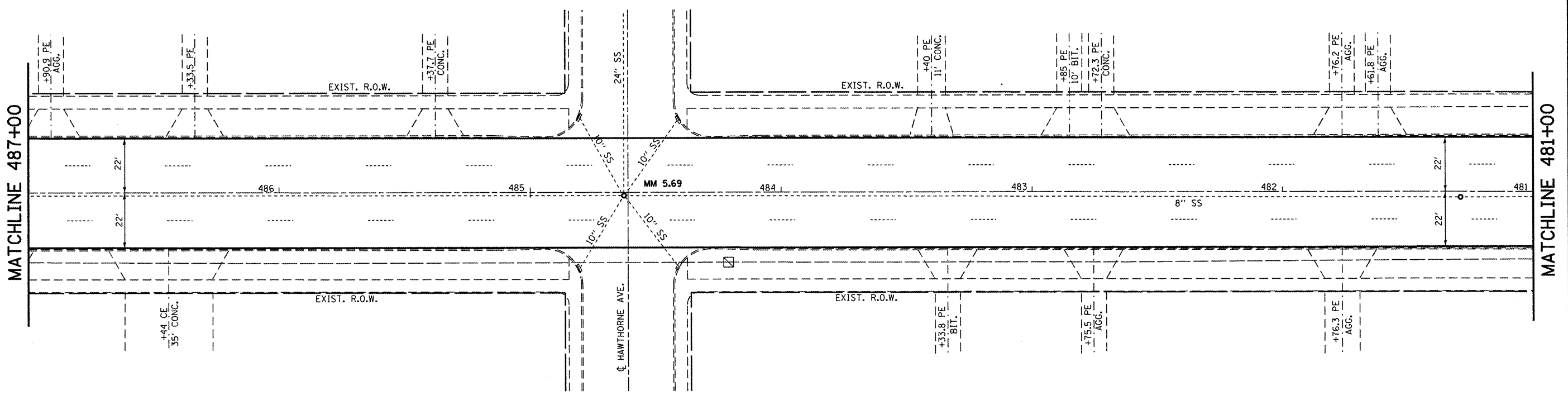
F.A.P. RTE. 582	SECTION 14,5RS	COUNTY MADISON	TOTAL SHEETS 71	SHEET NO. 26
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
<b>CONTRACT NO. 76D47</b>				



FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET ROXANA WOOD RIVER</b>		F.A.P. RTE. 582	SECTION 14,5RS	COUNTY MADISON	TOTAL SHEETS 71	SHEET NO. 27	
	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE: 20'=1"	SHEET NO. 12 OF 20 SHEETS	STA.	TO STA.	CONTRACT NO. 76D47			
	PLOT DATE = #DATE#	CHECKED -	REVISED -		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT							
		DATE -	REVISED -									

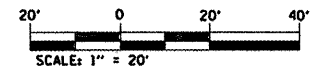


FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET WOOD RIVER</b>	F.A.P. RTE. 582	SECTION 14,5RS	COUNTY MADISON	TOTAL SHEETS 71	SHEET NO. 28	
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		DATE -	REVISED -								



MATCHLINE 487+00

MATCHLINE 481+00



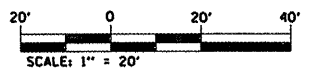
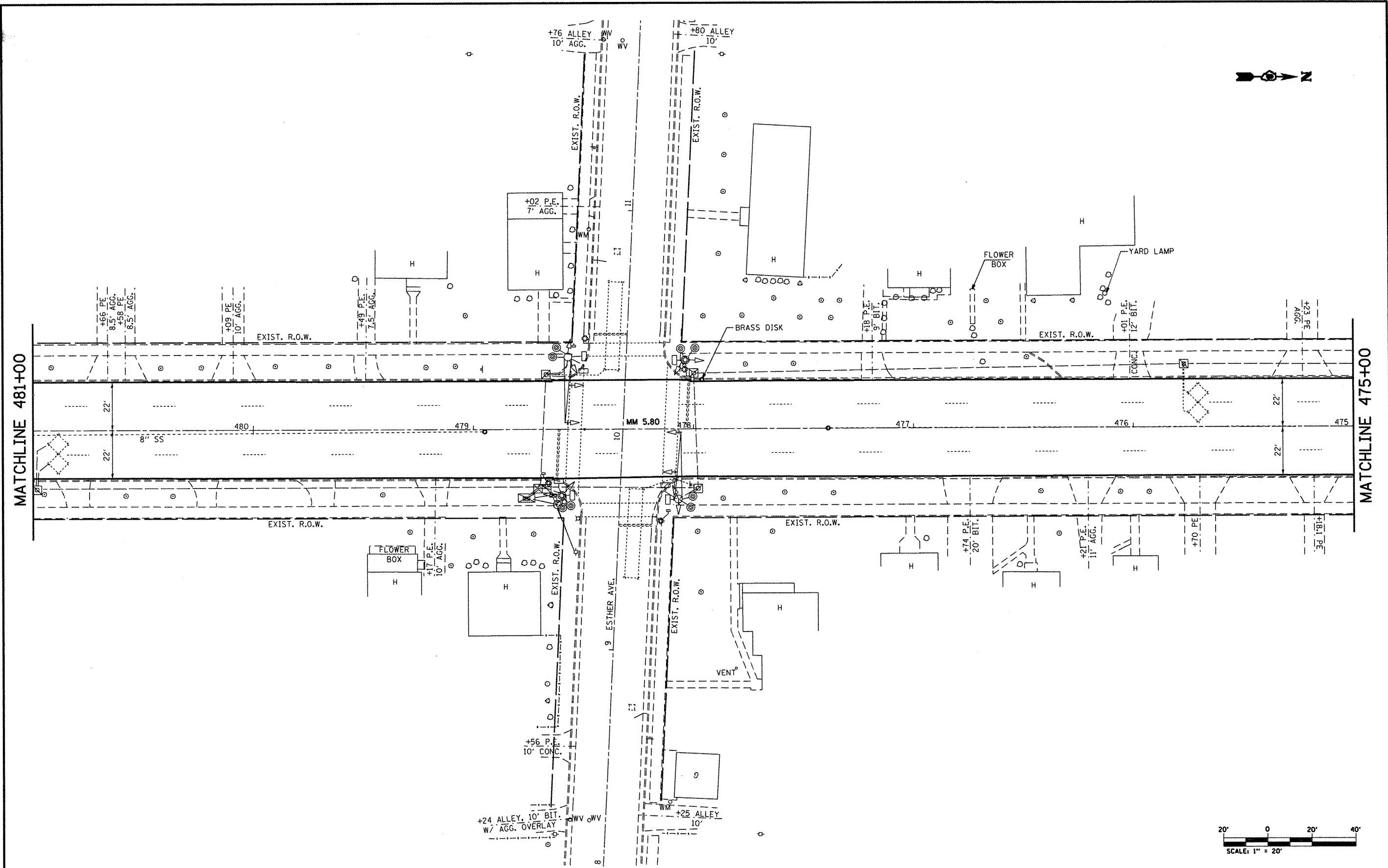
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		DRAWN -	REVISED -
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	PLOT DATE = #DATE#	DATE -	REVISED -

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

**PLAN SHEET**  
**WOOD RIVER**

SCALE: 20'=1"    SHEET NO. 14 OF 20 SHEETS    STA.    TO STA.

F.A.P. RTE. 582	SECTION 4,5RS	COUNTY MADISON	67 SHEETS 71	SHEET NO. 29
CONTRACT NO. 76047				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



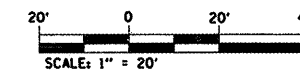
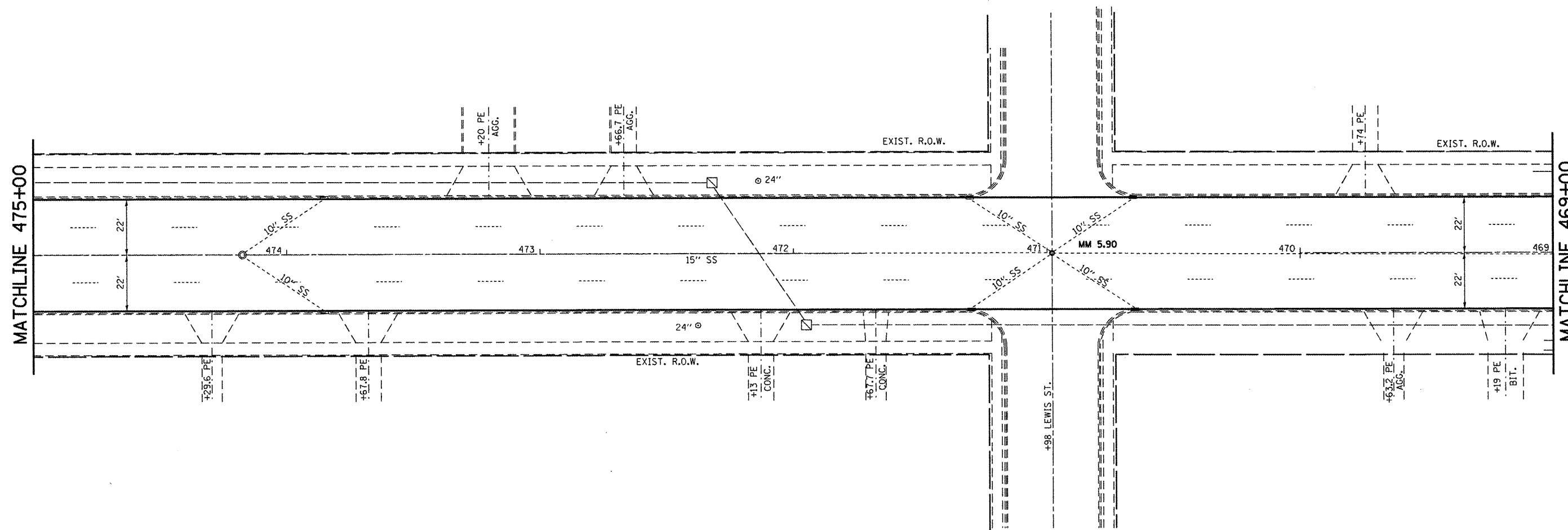
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	PLDT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET  
WOOD RIVER**

SCALE: 20'=1"    SHEET NO. 15 OF 20 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	14,5RS	MADISON	71	30
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. T6D47	



FILE NAME =  
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DATE -

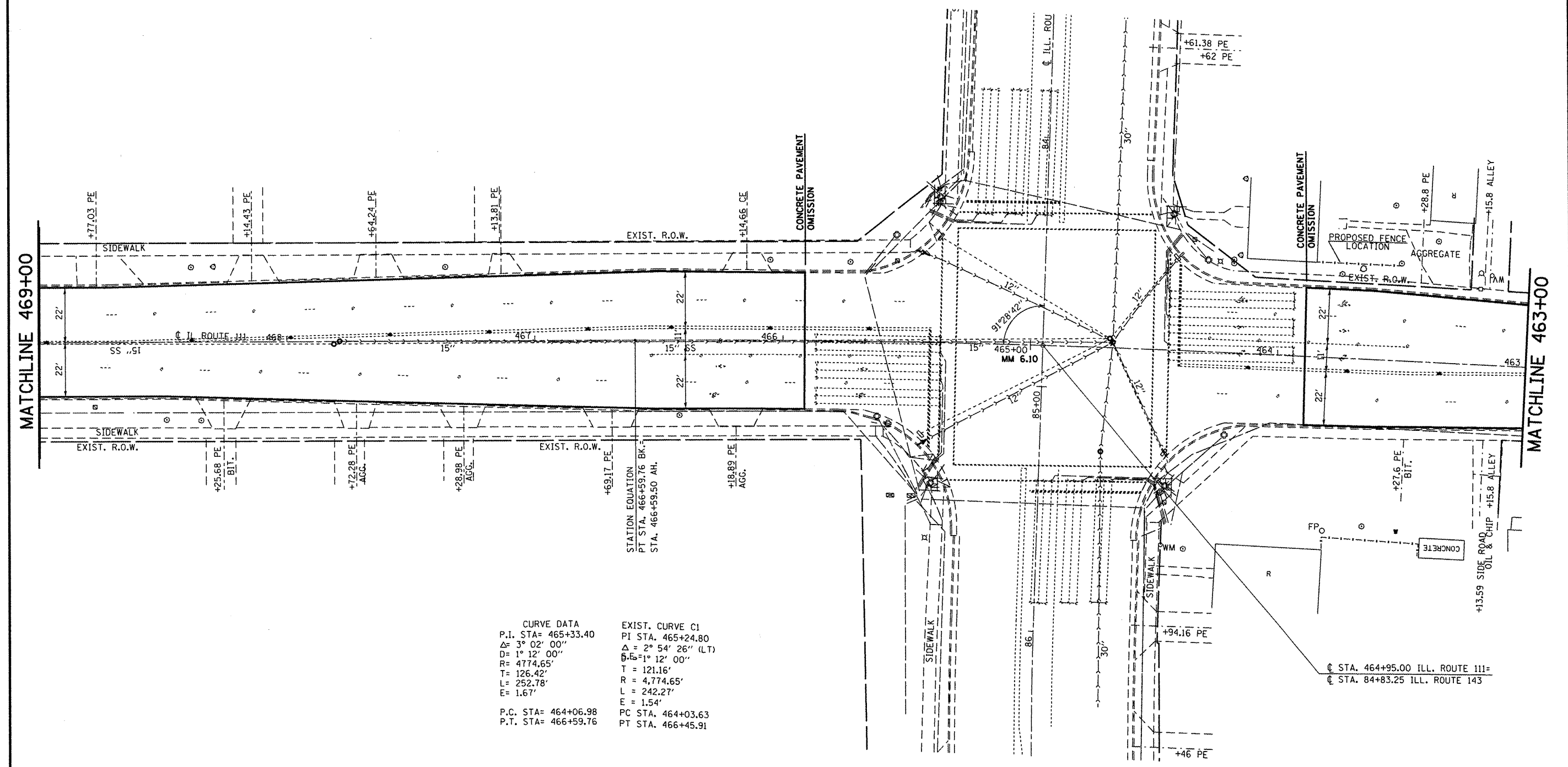
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET  
WOOD RIVER**

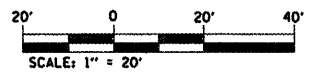
SCALE: 20'=1"    SHEET NO. 16 OF 20 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	4,5RS	MADISON	71	31
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D47	



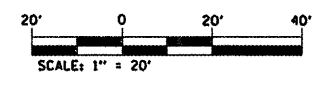
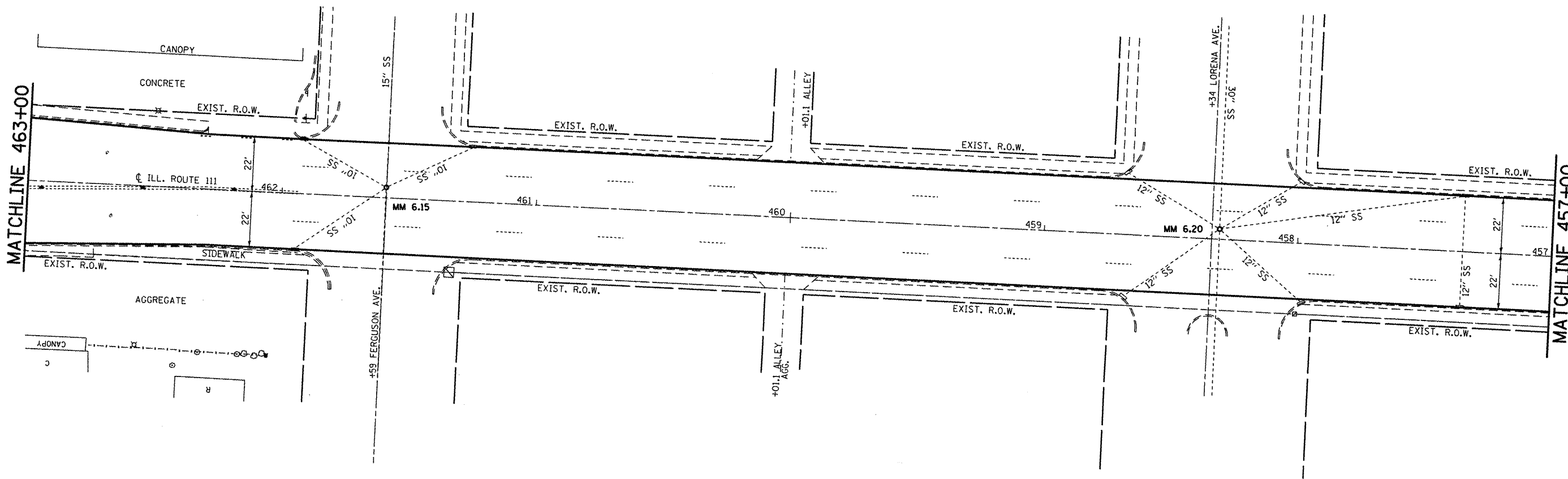
**CURVE DATA**  
 P.I. STA= 465+33.40  
 $\Delta = 3^\circ 02' 00''$   
 $D = 1^\circ 12' 00''$   
 $R = 4774.65'$   
 $T = 126.42'$   
 $L = 252.78'$   
 $E = 1.67'$   
 P.C. STA= 464+06.98  
 P.T. STA= 466+59.76

**EXIST. CURVE C1**  
 P.I. STA. 465+24.80  
 $\Delta = 2^\circ 54' 26''$  (LT)  
 $D = 1^\circ 12' 00''$   
 $R = 4774.65'$   
 $T = 121.16'$   
 $L = 242.27'$   
 $E = 1.54'$   
 P.C. STA. 464+03.63  
 P.T. STA. 466+45.91



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET WOOD RIVER</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -		SCALE: 20'=1"	SHEET NO. 17 OF 20 SHEETS	STA.	TO STA.	582	14,5RS	MADISON	71 32
		CHECKED -	REVISED -									CONTRACT NO. T6D47
		DATE -	REVISED -						FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		





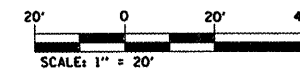
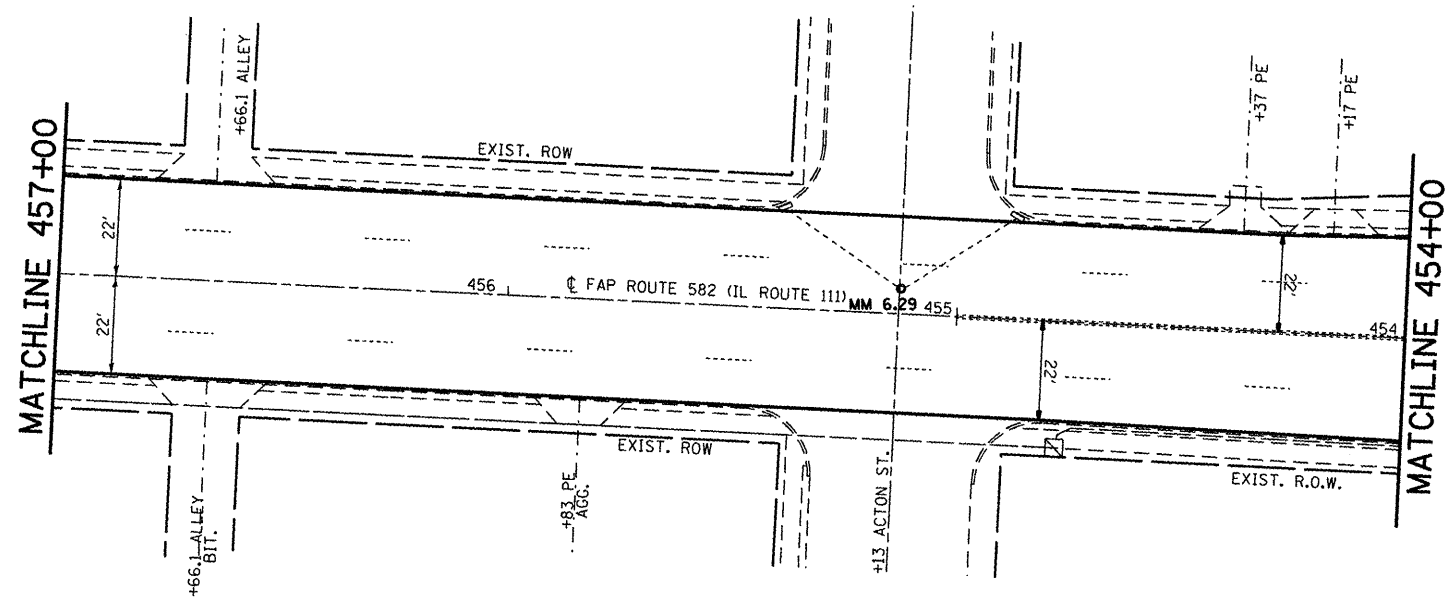
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	PLOT DATE = *DATE*	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

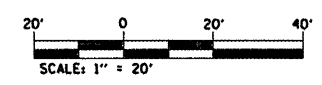
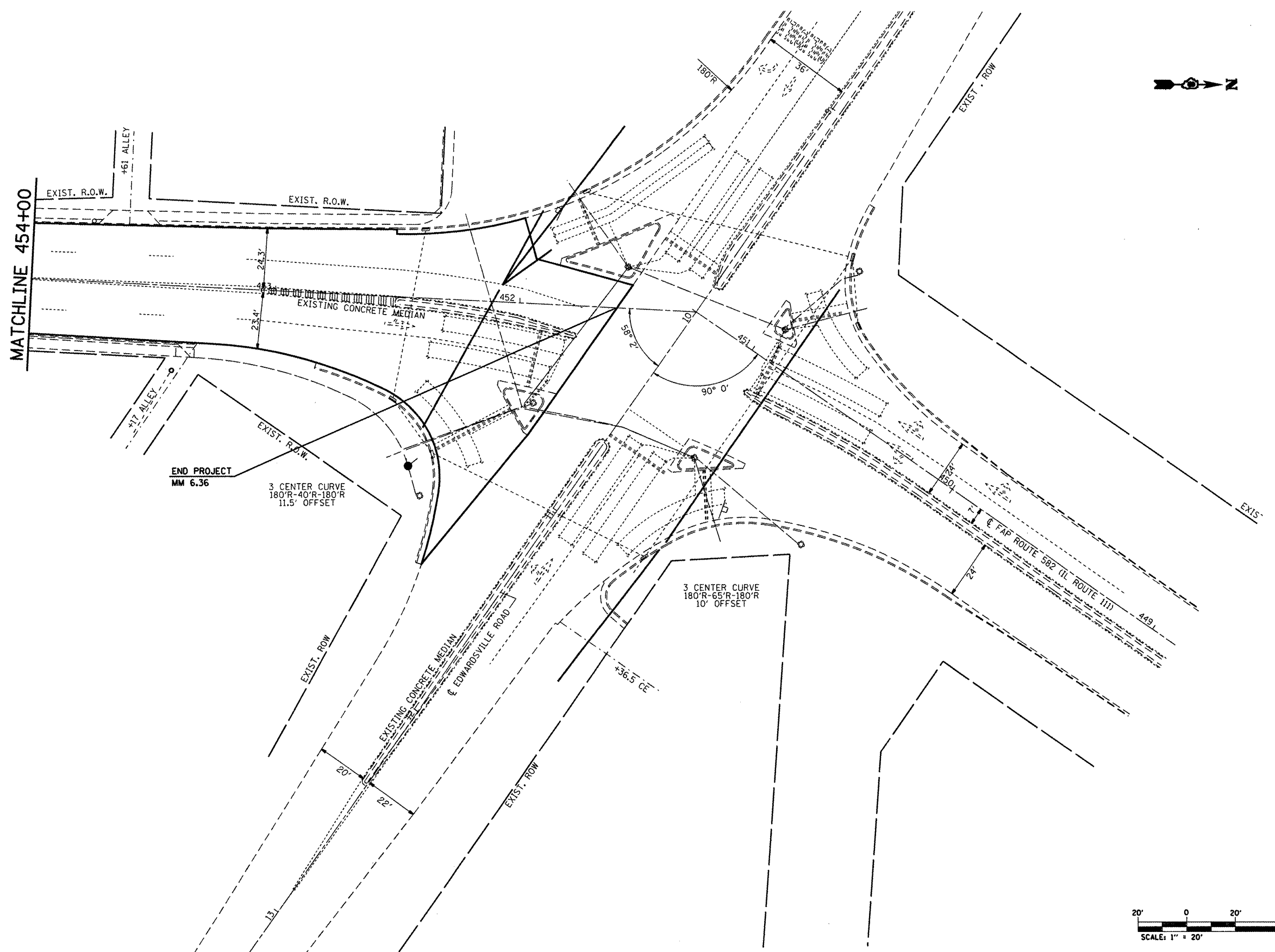
**PLAN SHEET  
WOOD RIVER**

SCALE: 20'=1"    SHEET NO. 18 OF 20 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	14,5RS	MADISON	71	33
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76D47	



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET WOOD RIVER</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN -	REVISED -				582	(4,5RS)	MADISON	71	34
	PLOT DATE = #DATE#	CHECKED -	REVISED -				<b>CONTRACT NO. 76D47</b>				
		DATE -	REVISED -				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
					SCALE: 20'=1"	SHEET NO. 19 OF 20 SHEETS	STA.	TO STA.			



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
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	PLOT DATE = #DATE#	DATE -	REVISED -

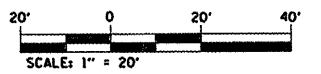
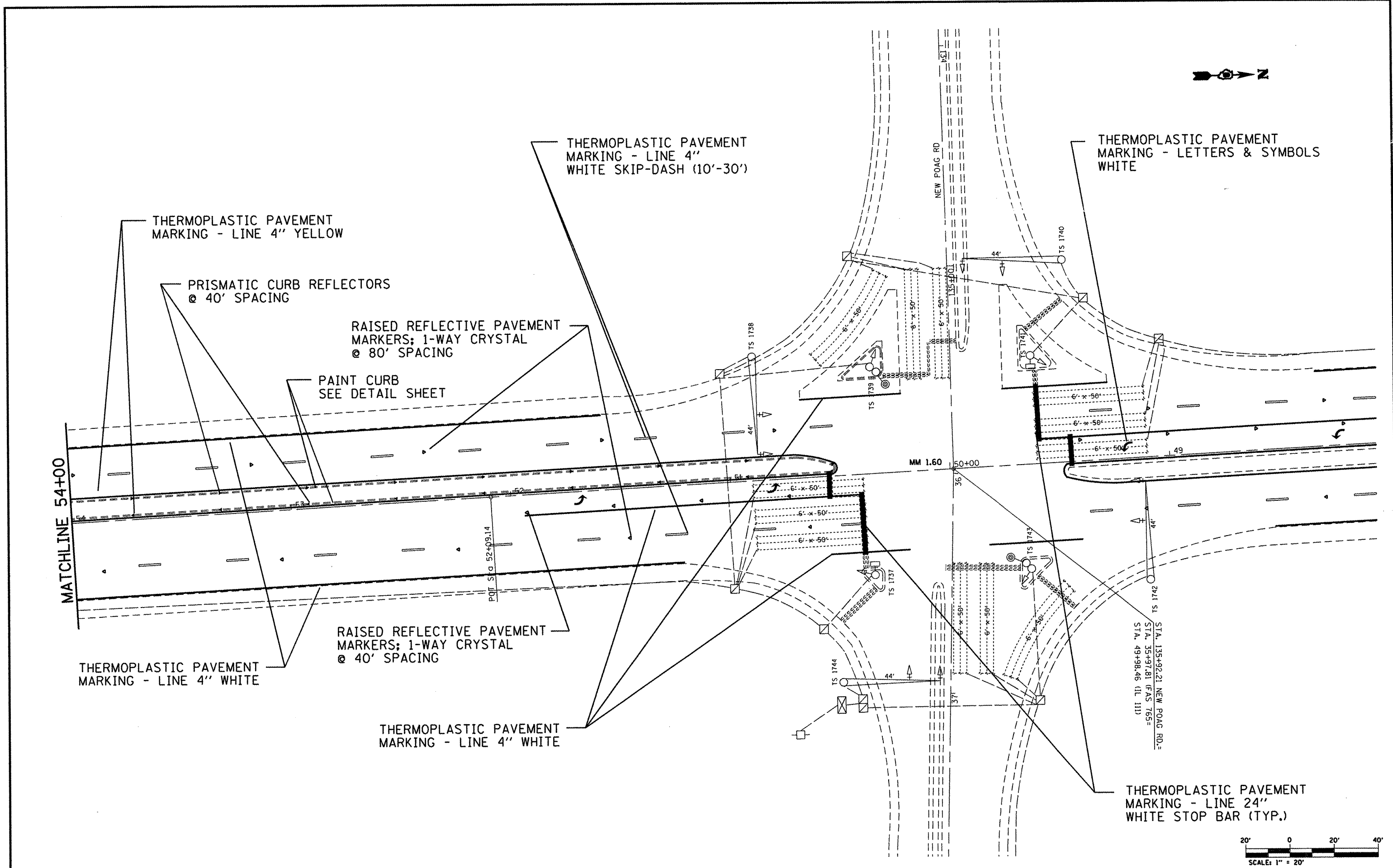
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET  
WOOD RIVER**

SCALE: 20'=1"    SHEET NO. 20 OF 20 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	(4,5)RS	MADISON	71	35
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D47	





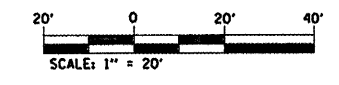
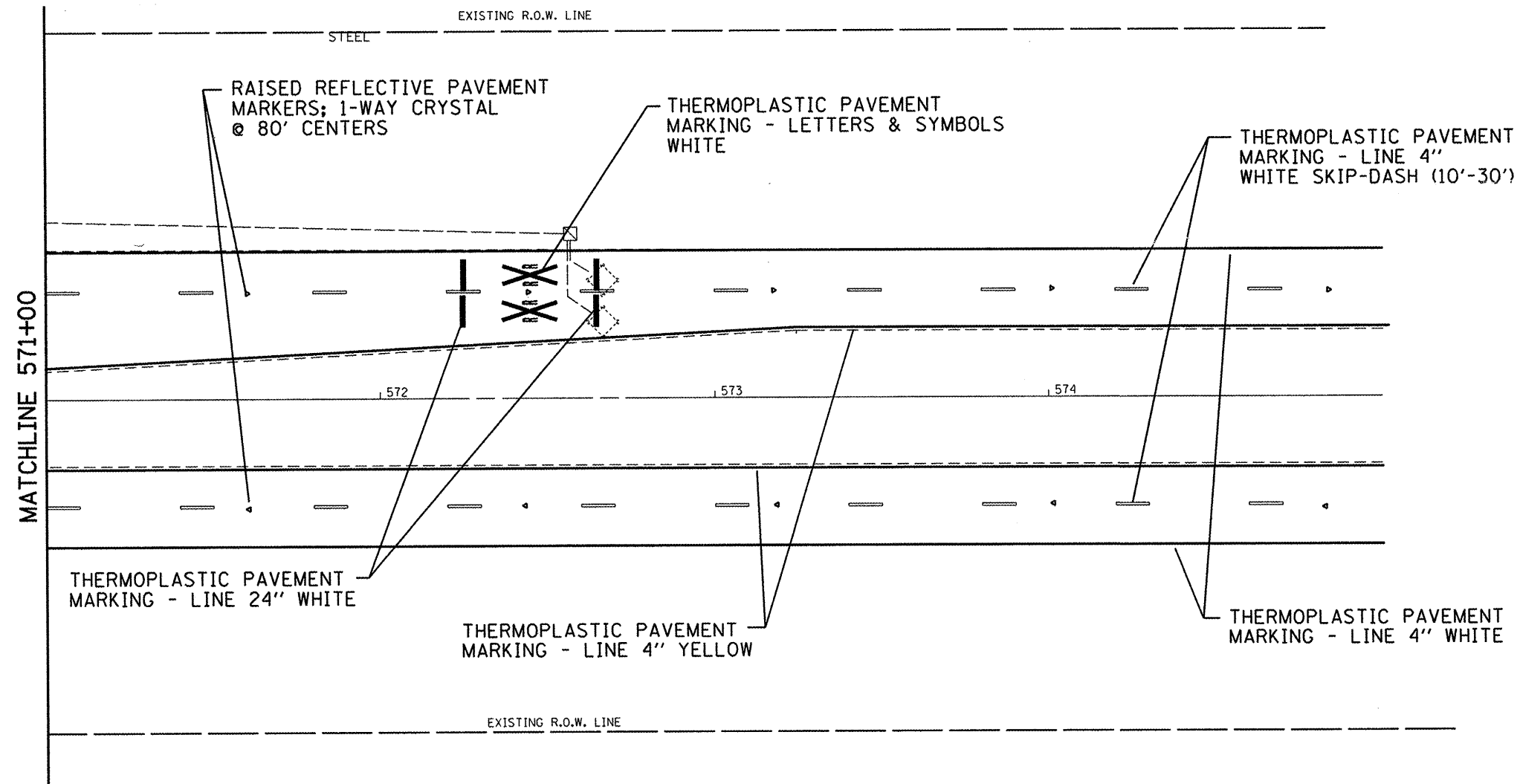
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	PLDT SCALE = #SCALE#	CHECKED -	REVISED -
	PLDT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEET  
NEW POAG ROAD**

SCALE: 20'=1"    SHEET NO. 2 OF 20 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	(4,5)RS	MADISON	71	37
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
<b>CONTRACT NO. 76D47</b>				



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
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	PLDT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEET  
MADISON AVE/HAWTHORNE ST.**

SCALE: 20'=1"    SHEET NO. 3 OF 20 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	(4,5RS)	MADISON	71	38
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D47	



RAISED REFLECTIVE PAVEMENT  
MARKERS; 1-WAY CRYSTAL  
@ 80' CENTERS

RAISED REFLECTIVE PAVEMENT  
MARKERS; 1-WAY CRYSTAL  
@ 40' CENTERS



THERMOPLASTIC PAVEMENT  
MARKING - LINE 4" WHITE

THERMOPLASTIC PAVEMENT  
MARKING - LINE 4" YELLOW  
(+yp.)

MATCHLINE 565+00

MATCHLINE 571+00

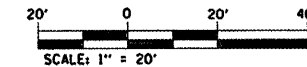
ILL. ROUTE 111

STA. 568+36.9 (ILL. ROUTE 111)=  
STA. 20+00 (MADISON AVE.)

THERMOPLASTIC PAVEMENT  
MARKING - LINE 12" WHITE

THERMOPLASTIC PAVEMENT  
MARKING - LETTERS & SYMBOLS  
WHITE

THERMOPLASTIC PAVEMENT  
MARKING - LINE 24"  
WHITE STOP BAR (+yp.)



FILE NAME =  
#FILE#

USER NAME = #USER#

DESIGNED -

REVISED -

PLOT SCALE = #SCALE#

DRAWN -

REVISED -

PLOT DATE = #DATE#

CHECKED -

REVISED -

DATE -

REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING SHEET  
MADISON AVE/HAWTHORNE ST.

SCALE: 20'=1"

SHEET NO. 4 OF 20 SHEETS

STA.

TO STA.

F.A.P.  
RTE.

582

SECTION

14,5RS

COUNTY

MADISON

TOTAL  
SHEETS

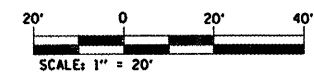
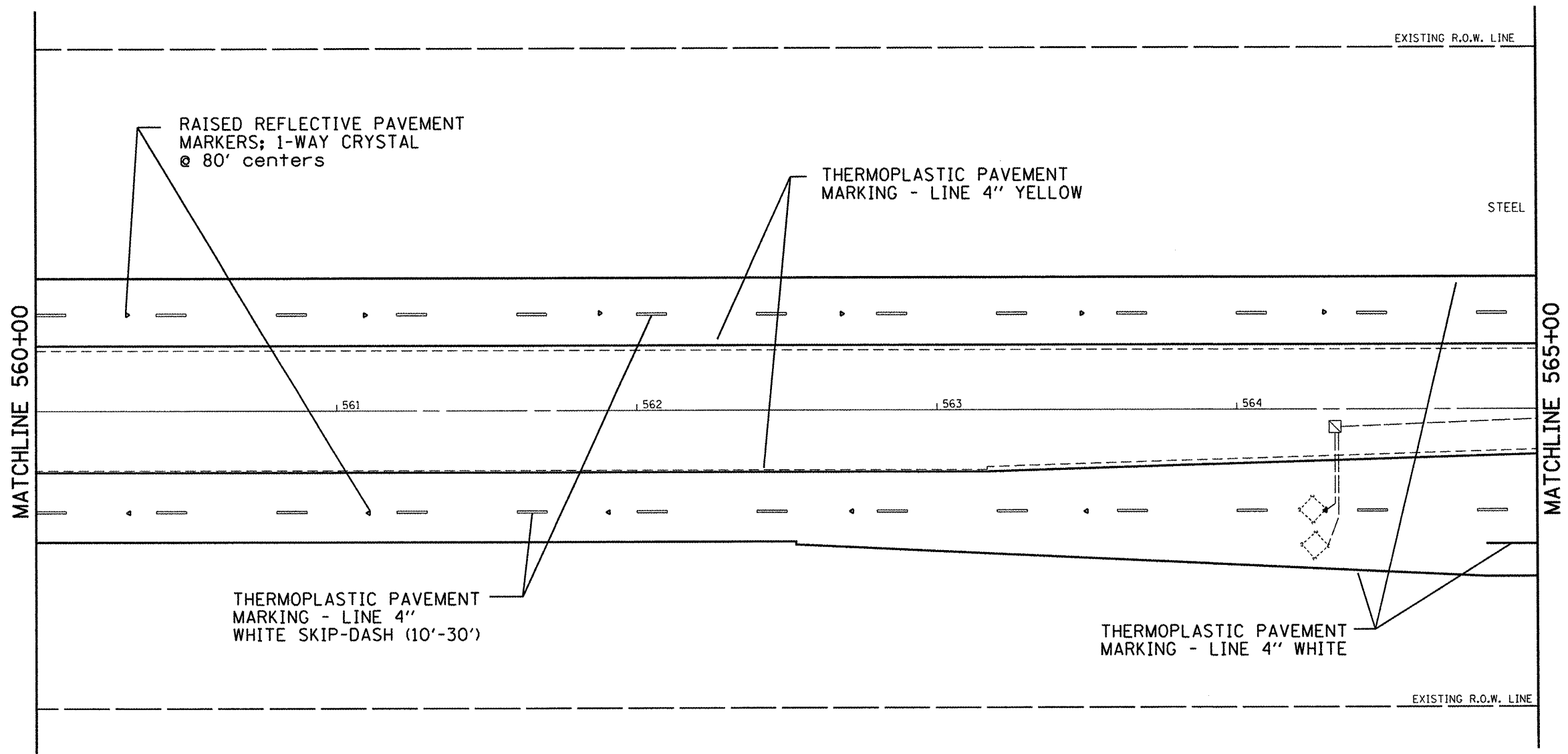
71

SHEET  
NO.

39

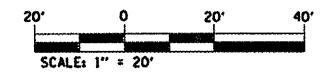
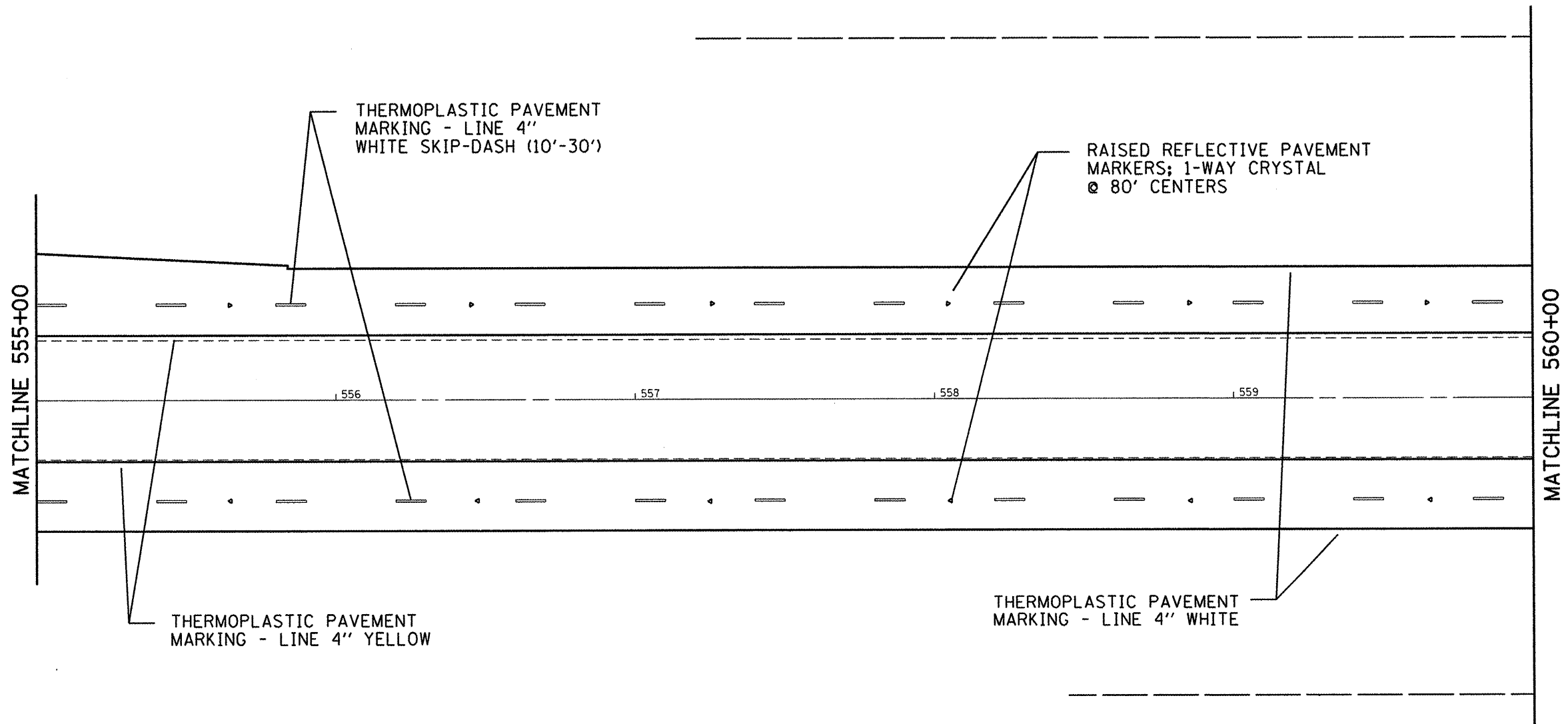
CONTRACT NO. 76D47

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



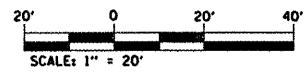
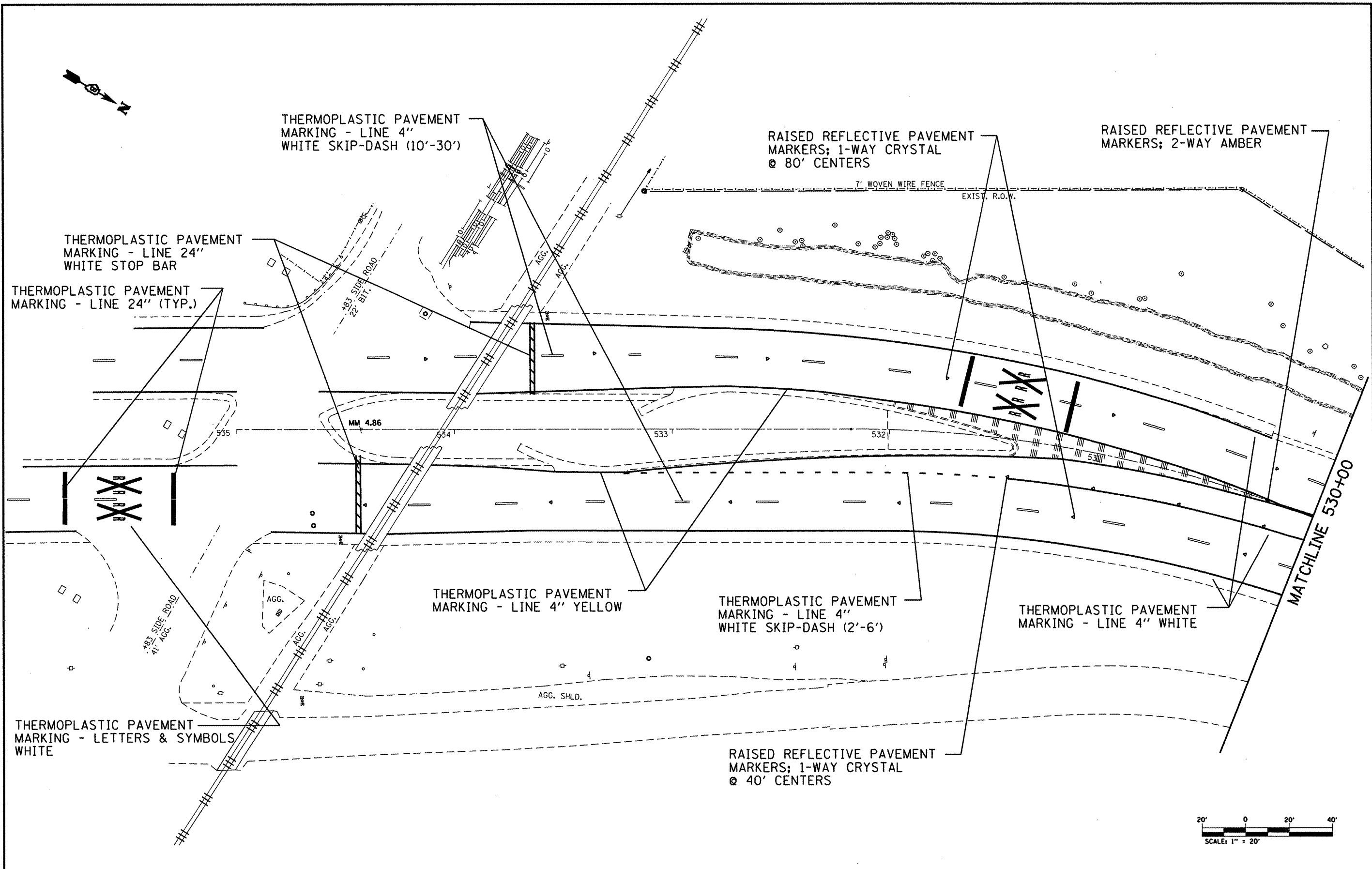
FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING SHEET MADISON AVE/HAWTHORNE ST.</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILEL#		DRAWN -	REVISED -		SCALE: 20'=1"	SHEET NO. 5 OF 20 SHEETS	STA.	TO STA.	582	(4,5)RS	MADISON	71	40
		CHECKED -	REVISED -		CONTRACT NO. 76D47								
		DATE -	REVISED -		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT								





FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING SHEET MADISON AVE./HAWTHORNE ST.</b>			F.A.P. RTE. 582	SECTION 14,5RS	COUNTY MADISON	TOTAL SHEETS 71	SHEET NO. 41
#FILE#		DRAWN -	REVISED -		SCALE: 20'=1"	SHEET NO. 6 OF 20 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	(ILLINOIS) FED. AID PROJECT	<b>CONTRACT NO. 76D47</b>	
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -									
	PLOT DATE = #DATE#	DATE -	REVISED -									





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	PLOT DATE = #DATE#	DATE -	REVISED -

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

**PAVEMENT MARKING SHEET**  
**RAND AVE.**

SCALE: 20'=1"    SHEET NO. 8 OF 20 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	(4,5)RS	MADISON	71	43
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76D47	

THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW

THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS WHITE

MATCHLINE 530+00

7' WOVEN WIRE FENCE

EXIST. R.O.W.

THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP-DASH (10'-30')

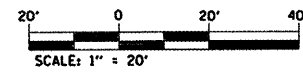
THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE

RAISED REFLECTIVE PAVEMENT MARKERS; 1-WAY AMBER @ 40' CENTERS

THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW

THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW @ 20' CENTERS

RAISED REFLECTIVE PAVEMENT MARKERS; 1-WAY CRYSTAL @ 80' CENTERS



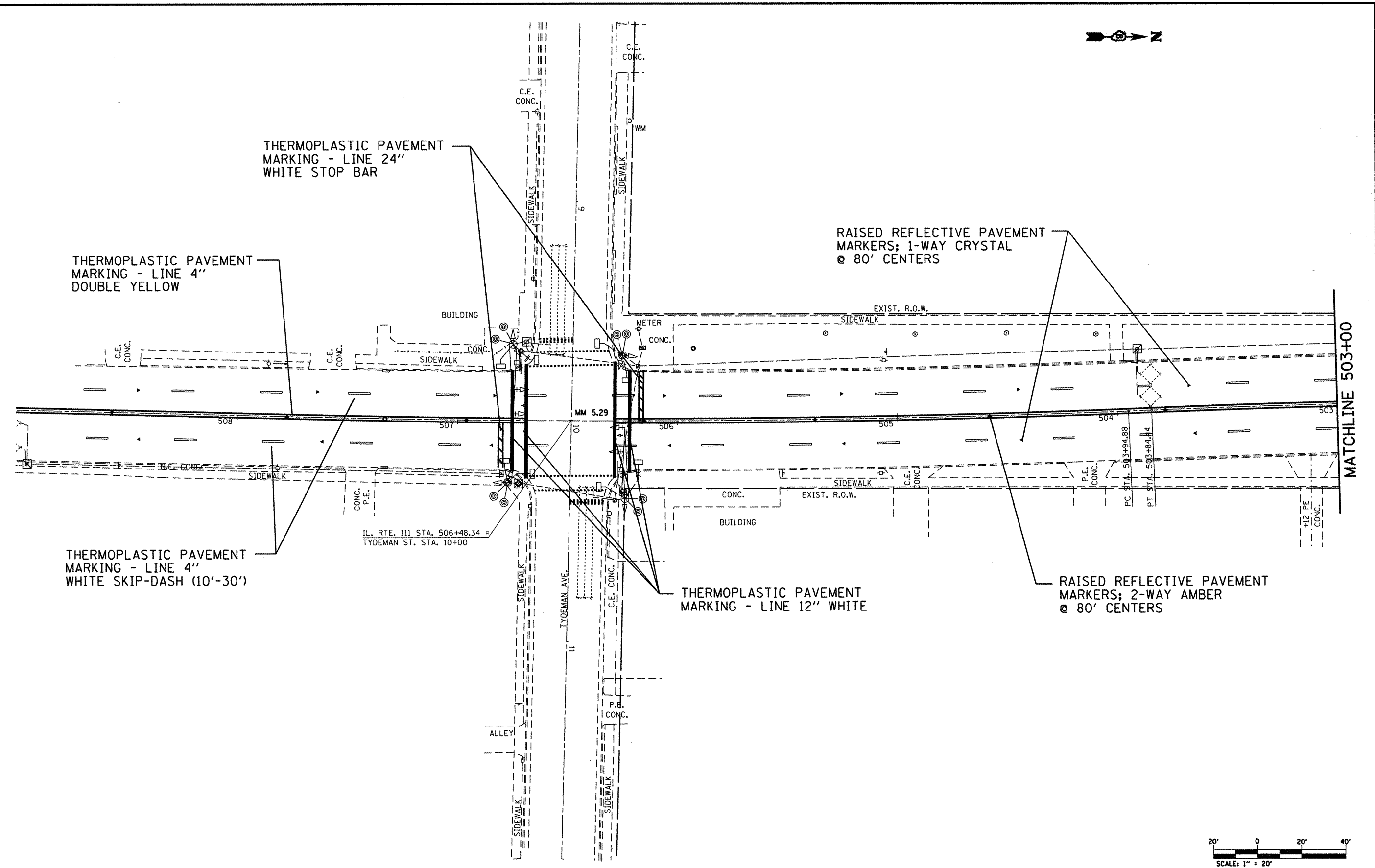
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

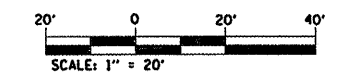
PAVEMENT MARKING SHEET  
SEVENTH ST.

SCALE: 20'=1" SHEET NO. 9 OF 20 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	(4,5)RS	MADISON	71	44
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 76D47				



MATCHLINE 503+00



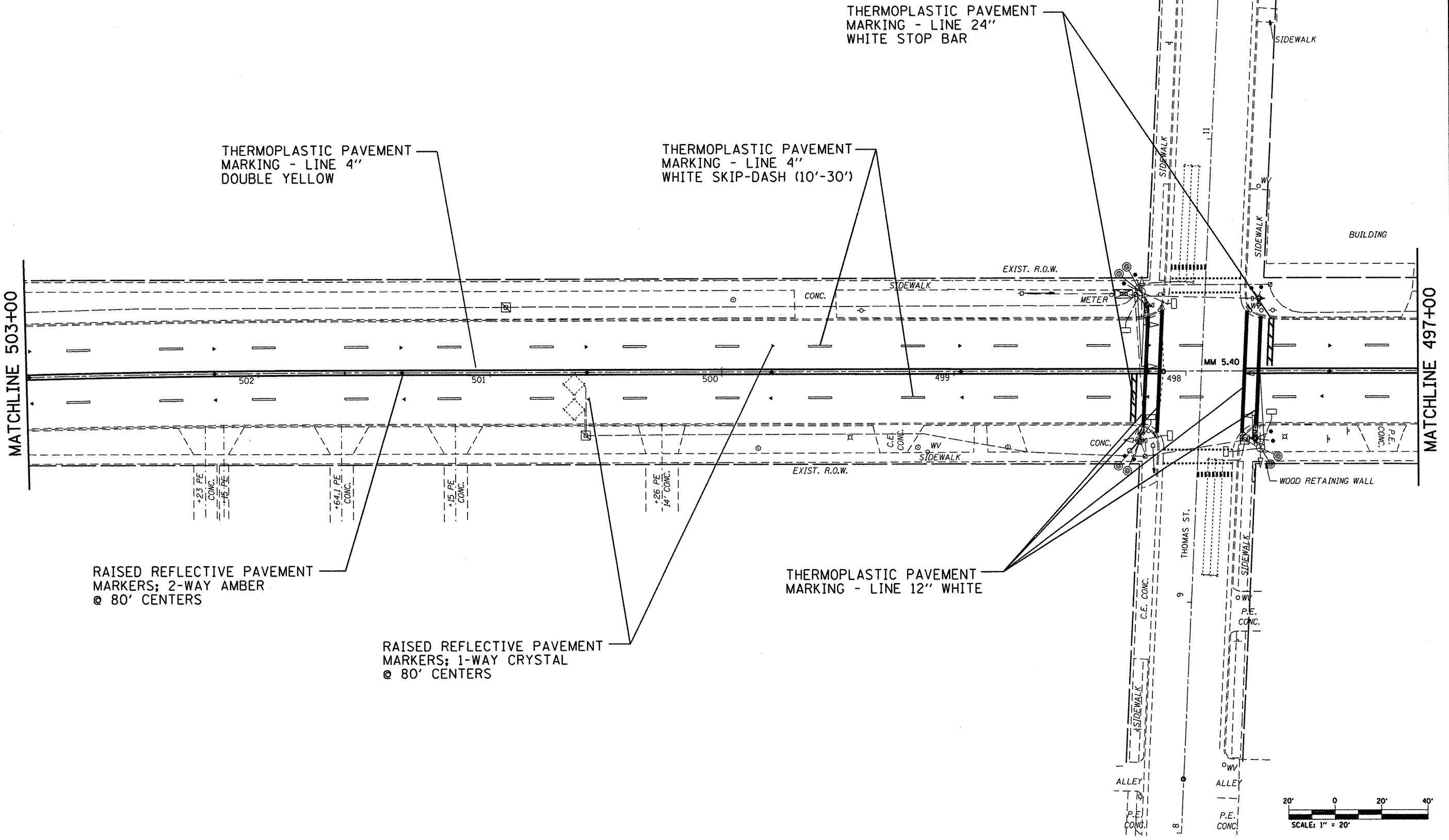
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEET  
ROXANA**

SCALE: 20'=1"    SHEET NO. 10 OF 20 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	14,5RS	MADISON	71	45
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D47	



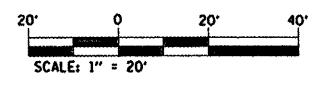
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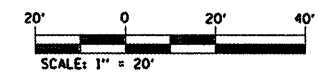
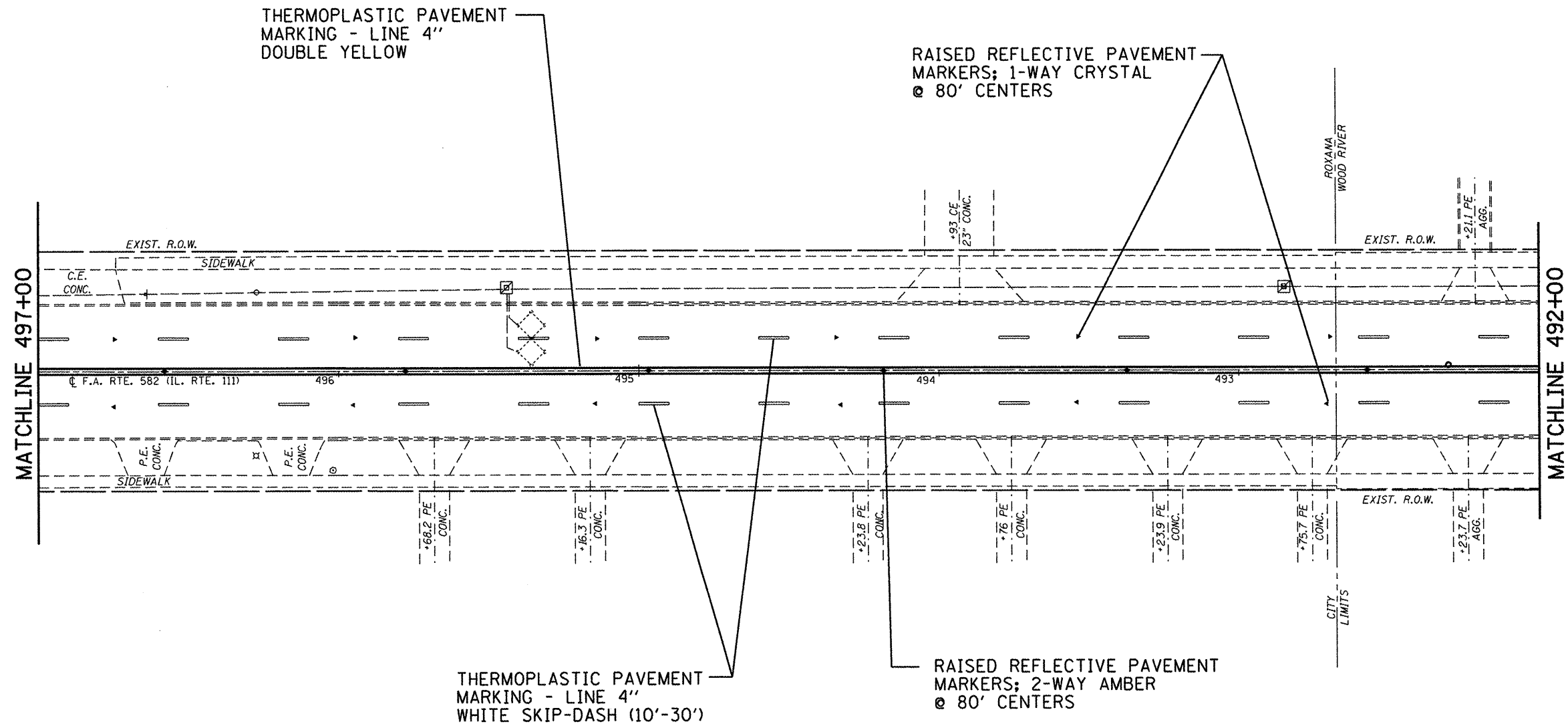
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEET  
ROXANA**

SCALE: 20'=1"    SHEET NO. 11 OF 20 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	14,5RS	MADISON	71	46
CONTRACT NO. T6D47			ILLINOIS FED. AID PROJECT	





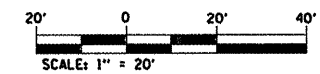
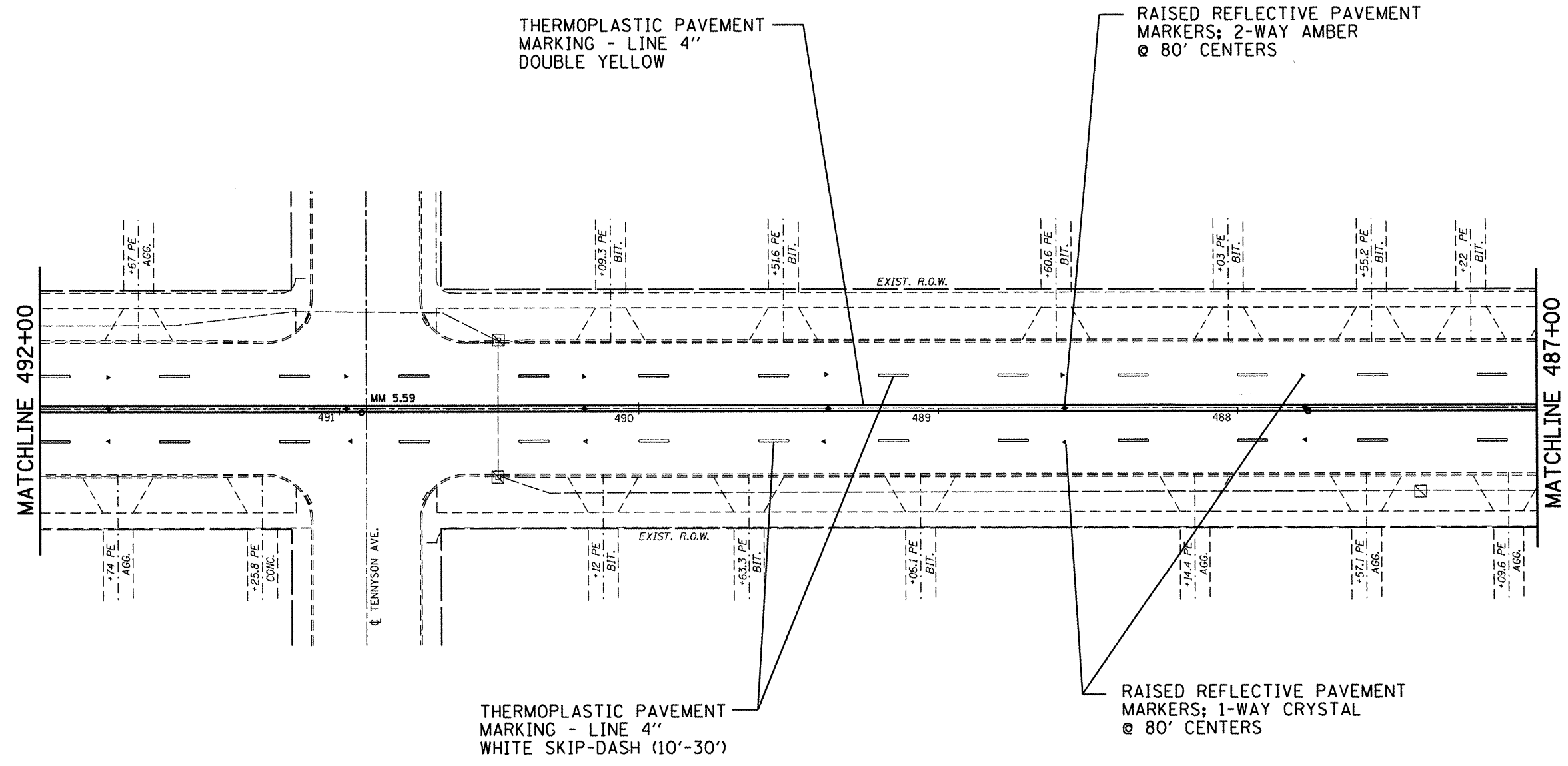
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEET**  
**ROXANA WOOD RIVER**

SCALE: 20'=1"    SHEET NO. 12 OF 20 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	14,5R5	MADISON	71	47
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D47	



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
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	PLDT DATE = #DATE#	DATE -	REVISED -

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

**PAVEMENT MARKING SHEET**  
**WOOD RIVER**

SCALE: 20'=1"    SHEET NO. 13 OF 20 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	14,5RS	MADISON	71	48
CONTRACT NO. 76047				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				





THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW

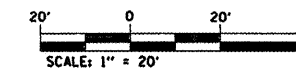
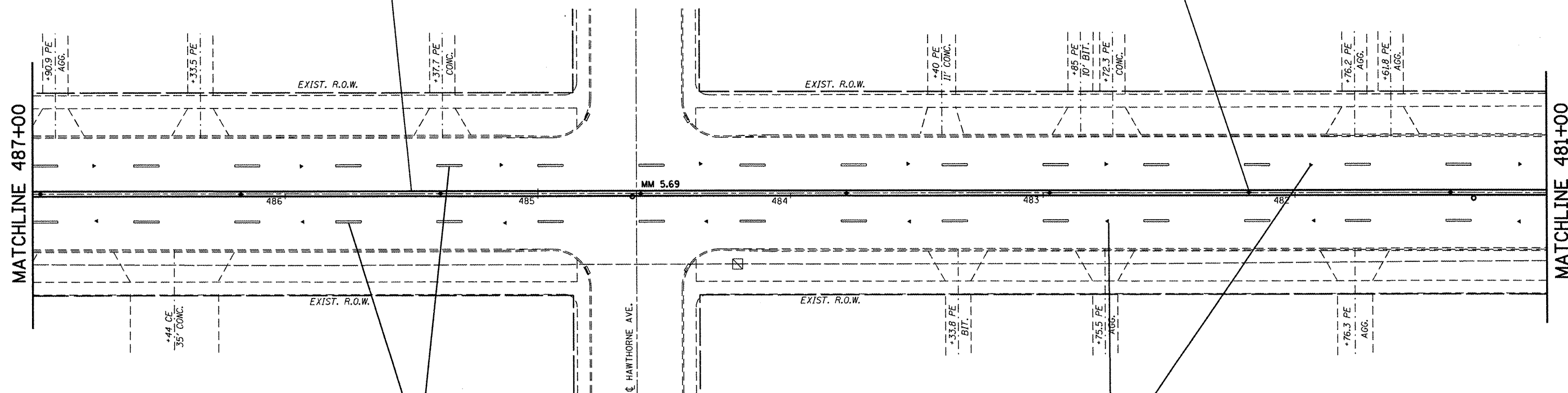
RAISED REFLECTIVE PAVEMENT MARKERS; 2-WAY AMBER @ 80' CENTERS

THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP-DASH (10'-30')

RAISED REFLECTIVE PAVEMENT MARKERS; 1-WAY CRYSTAL @ 80' CENTERS

MATCHLINE 487+00

MATCHLINE 481+00



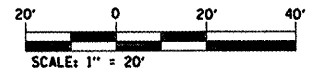
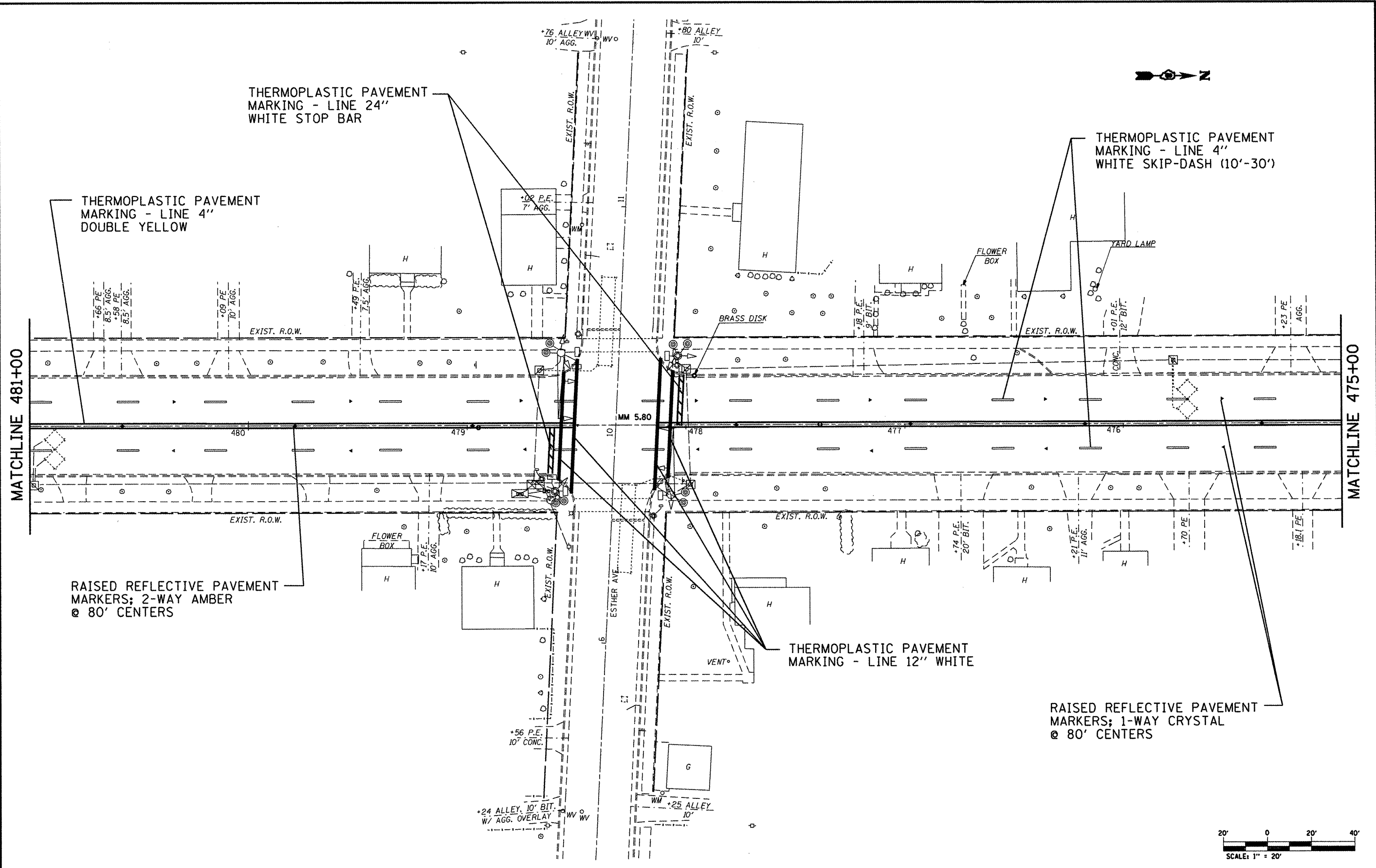
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

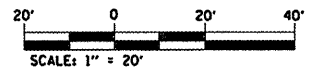
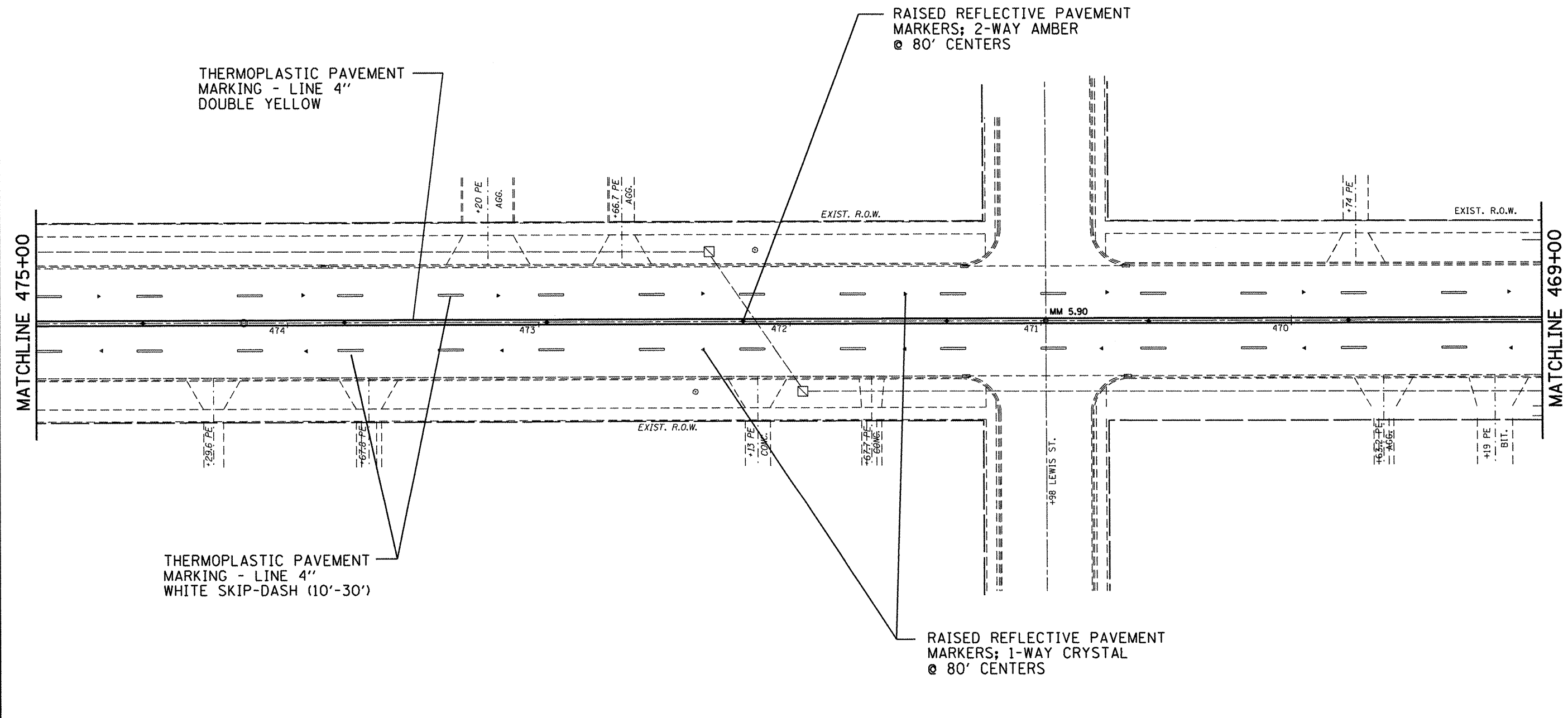
PAVEMENT MARKING SHEET  
WOOD RIVER

SCALE: 20'=1" SHEET NO. 14 OF 20 SHEETS STA. TO STA.

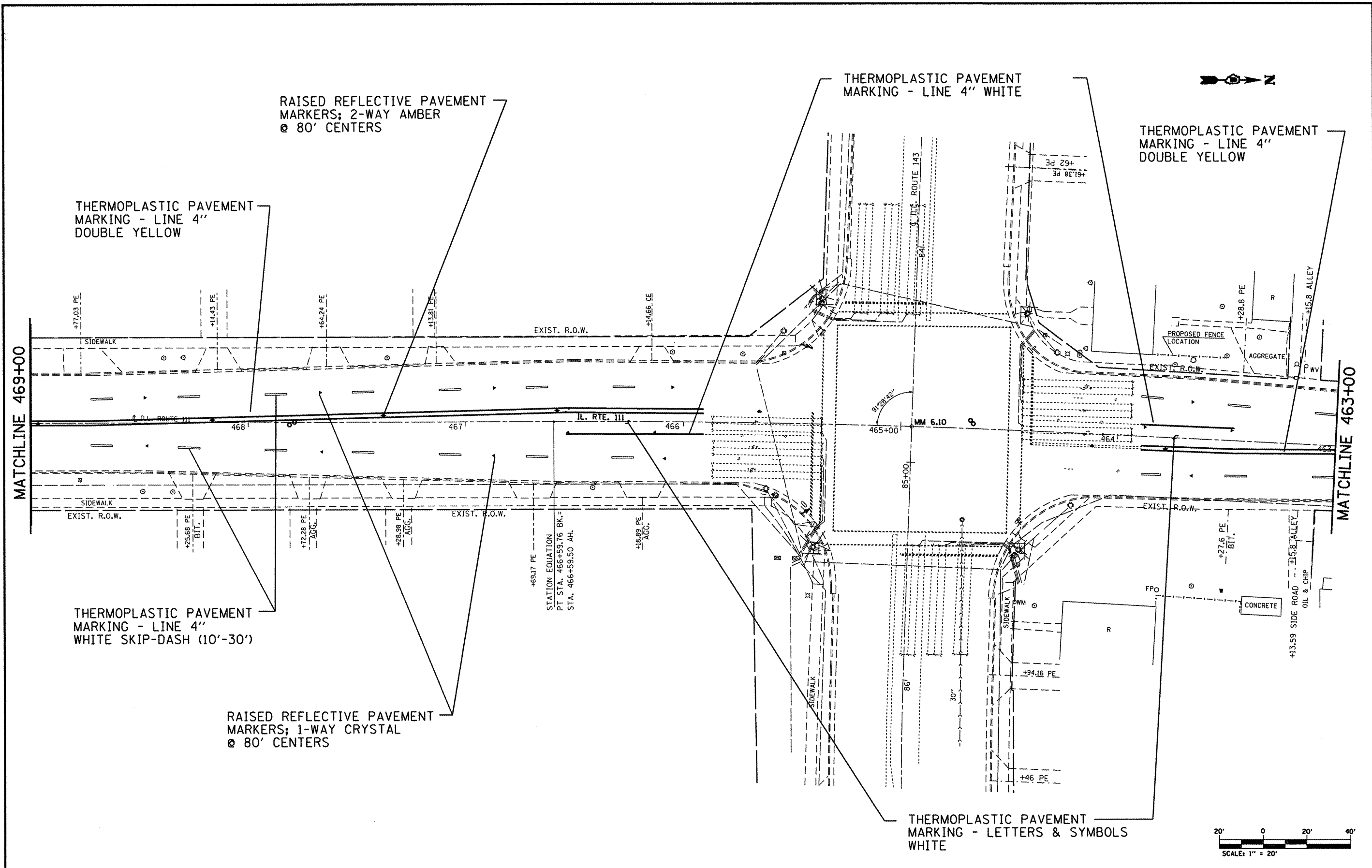
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	14,5RS	MADISON	71	49
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. T6D47	



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING SHEET</b> <b>WOOD RIVER</b>			F.A.P. RTE. 582	SECTION 4,5RS	COUNTY MADISON	TOTAL SHEETS 71	SHEET NO. 50
	PLDT SCALE = #SCALE#	CHECKED -	REVISED -		SCALE: 20'="	SHEET NO. 15 OF 20 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	<b>CONTRACT NO. 76D47</b>	
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FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING SHEET WOOD RIVER</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -		SCALE: 20'-1"	SHEET NO. 16 OF 20 SHEETS	STA.	TO STA.	582	(4,5RS)	MADISON	71 51
		CHECKED -	REVISED -						CONTRACT NO. 76D47			
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT			



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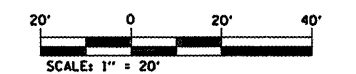
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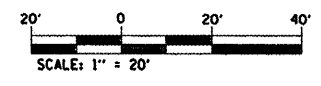
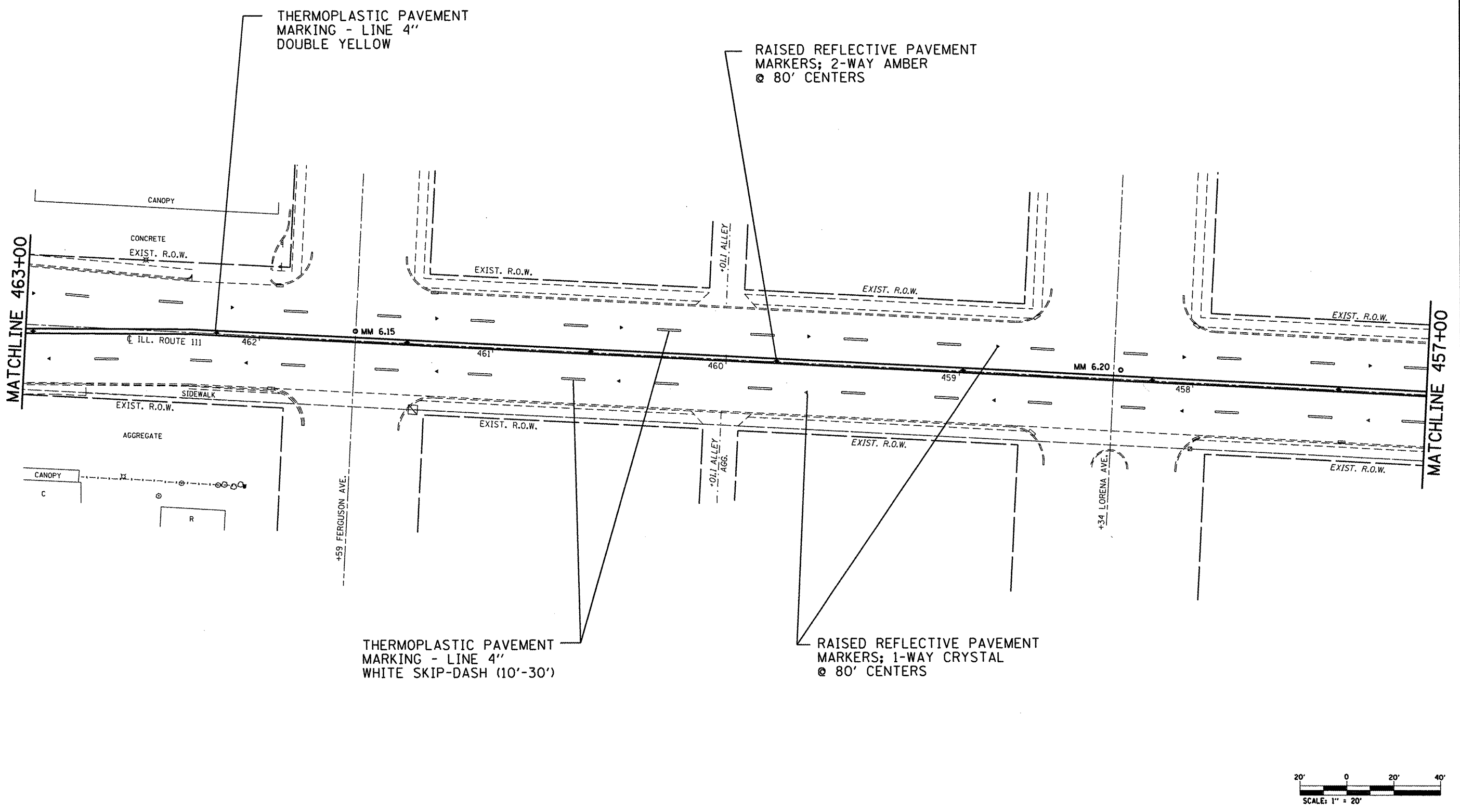
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEET  
WOOD RIVER**

SCALE: 20'=1"    SHEET NO. 17 OF 20 SHEETS    STA.    TO STA.

F.A.P. RTE. 582	SECTION 14,5RS	COUNTY MADISON	TOTAL SHEETS 71	SHEET NO. 52
CONTRACT NO. 76D4T				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



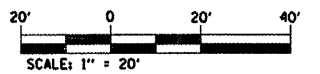
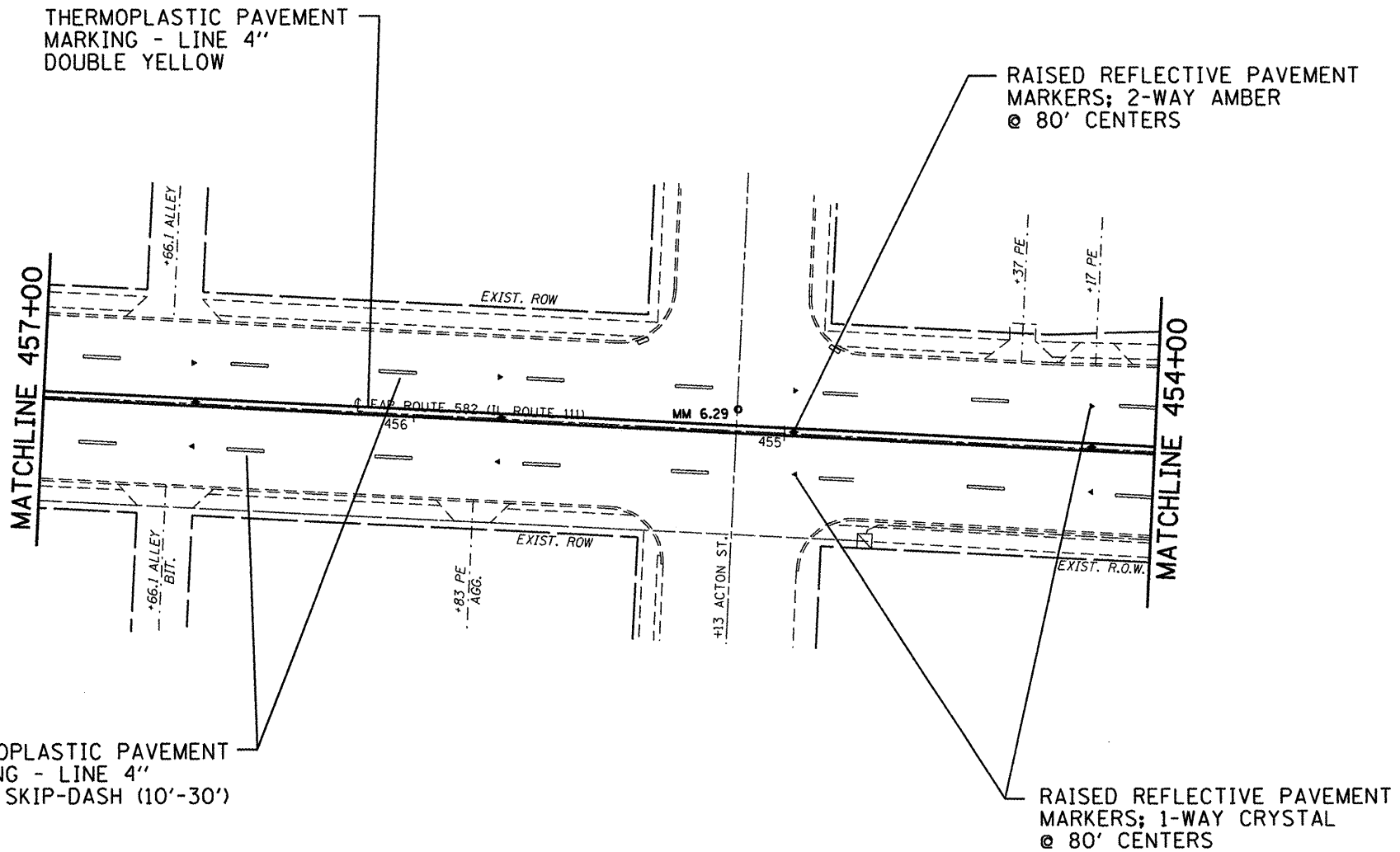


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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING SHEET</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>WOOD RIVER</b>		582	(4,5)RS	MADISON	71	53
SCALE: 20'=1"	SHEET NO. 18 OF 20 SHEETS	STA.	TO STA.	CONTRACT NO. 76D47		

FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
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FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING SHEET WOOD RIVER</b>		F.A.P. RTE. 582	SECTION (4,5RS)	COUNTY MADISON	TOTAL SHEETS 71	SHEET NO. 54	
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	PLOT DATE = #DATE#	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

RAISED REFLECTIVE PAVEMENT  
MARKERS; 2-WAY AMBER  
@ 80' CENTERS

THERMOPLASTIC PAVEMENT  
MARKING - LINE 4"  
WHITE SKIP-DASH (10'-30')



MATCHLINE 454+00

THERMOPLASTIC PAVEMENT  
MARKING - LINE 24"  
WHITE STOP BAR

THERMOPLASTIC PAVEMENT  
MARKING - LINE 4"  
DOUBLE YELLOW

RAISED REFLECTIVE PAVEMENT  
MARKERS; 1-WAY CRYSTAL  
@ 80' CENTERS

THERMOPLASTIC PAVEMENT  
MARKING - LETTERS & SYMBOLS  
WHITE

3 CENTER CURVE  
180'R-40'R-180'R  
11.5' OFFSET

3 CENTER CURVE  
180'R-65'R-180'R  
10' OFFSET

THERMOPLASTIC PAVEMENT  
MARKING - LINE 4" WHITE



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

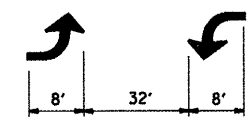
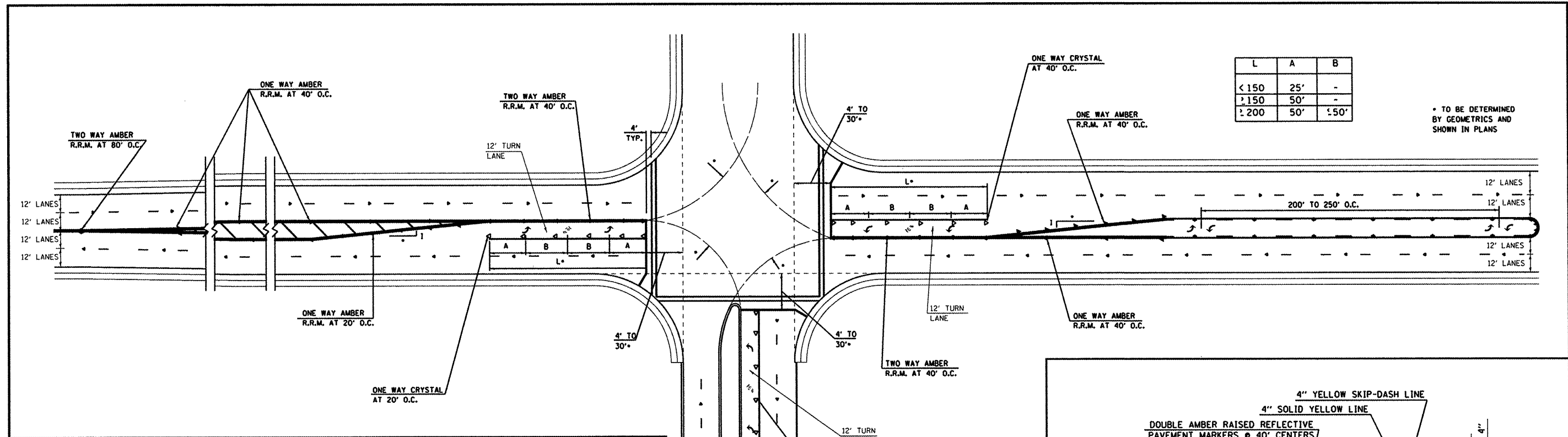
PAVEMENT MARKING SHEET  
WOOD RIVER

SCALE: 20'=1" SHEET NO. 20 OF 20 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	14,5RS	MADISON	71	55
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76D47	

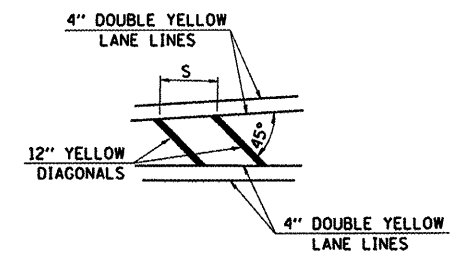
L	A	B
< 150	25'	-
> 150	50'	-
≥ 200	50'	150'

\* TO BE DETERMINED BY GEOMETRICS AND SHOWN IN PLANS

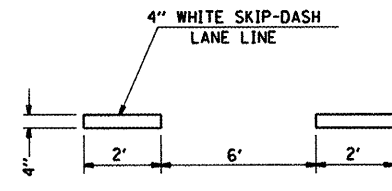


BI-DIRECTIONAL TURN ARROW @ 200' O. C.

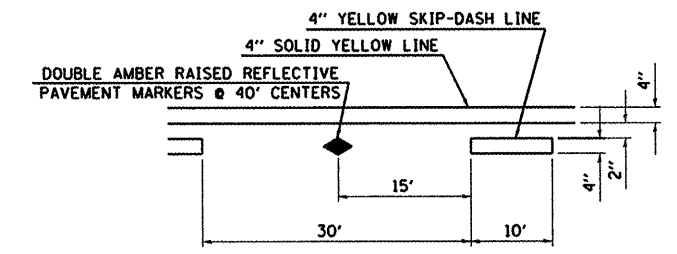
SPEED	CHANNELIZATION & GORES	OBJECTS	CONTINUOUS
< 30 MPH	15'	10'	50'
30-45 MPH	20'	15'	75'
> 45 MPH	30'	20'	150'



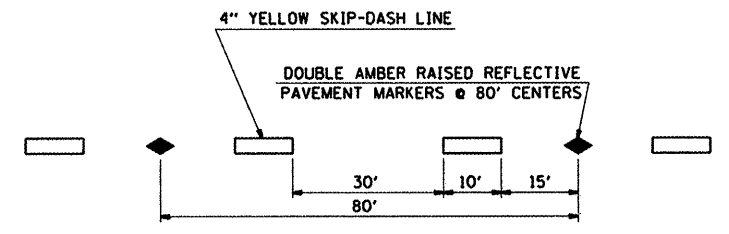
TYPICAL APPLICATION FOR MEDIAN STRIPING



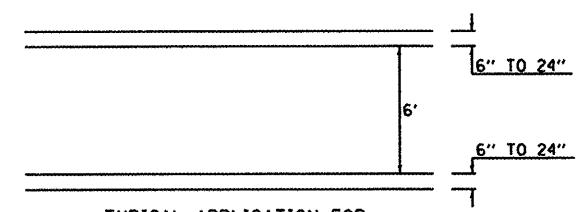
TYPICAL APPLICATION FOR WHITE SKIP-DASH LANE LINES (ABBREVIATED)



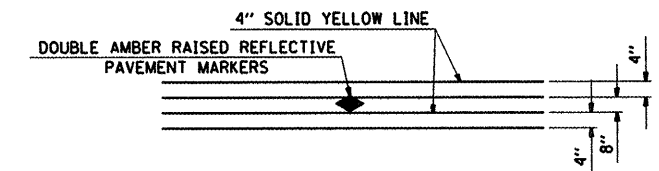
TYPICAL APPLICATION FOR BI-DIRECTIONAL TURN LANE WITH RAISED REFLECTIVE PAVEMENT MARKERS



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



TYPICAL APPLICATION FOR PEDESTRIAN CROSSWALK



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

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#FILE#		DRAWN -	REVISED -
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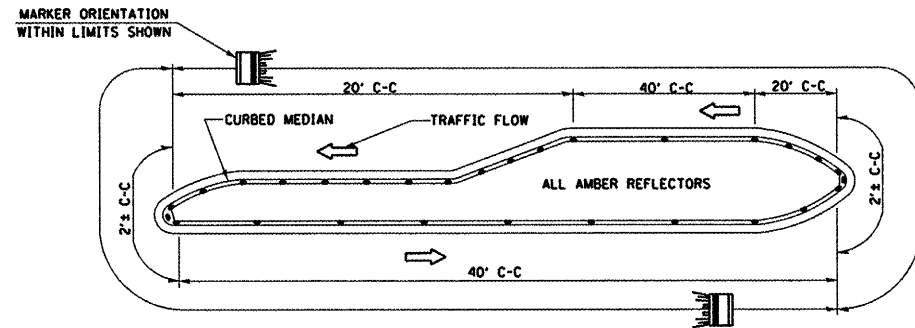
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

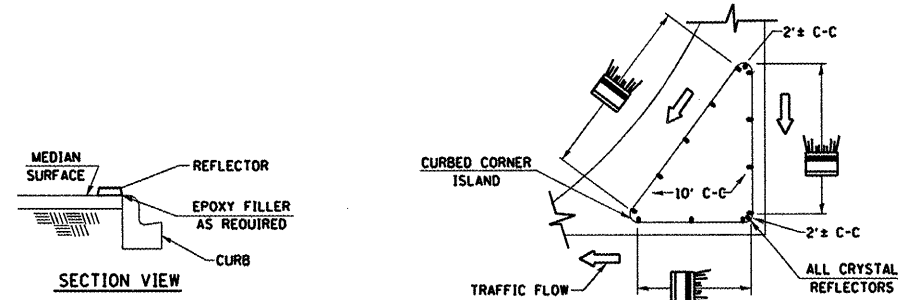
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	(4,5)RS	MADISON	71	56
CONTRACT NO. T6D47				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

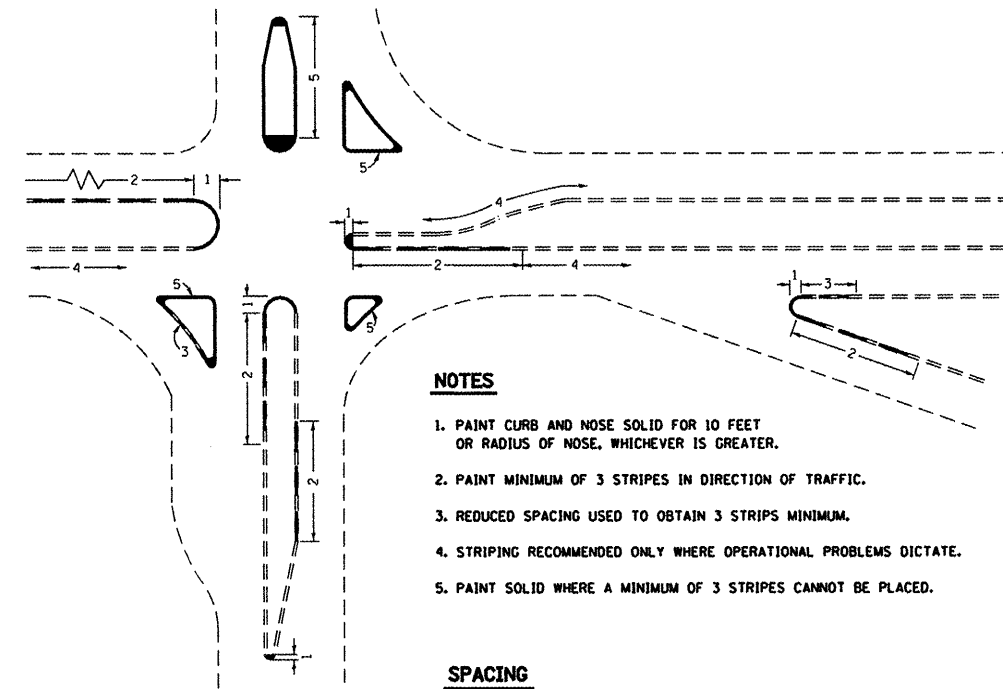




- NOTES**
1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
  2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
  3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.



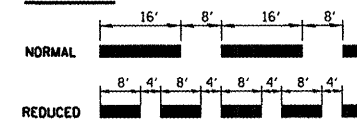
**TYPICAL PLACEMENT OF PRISMATIC REFLECTORS ON CURBS**  
(NO SCALE)



**NOTES**

1. PAINT CURB AND NOSE SOLID FOR 10 FEET OR RADIUS OF NOSE, WHICHEVER IS GREATER.
2. PAINT MINIMUM OF 3 STRIPES 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 STRIPES CANNOT BE PLACED.

**SPACING**



**CURB MARKING**

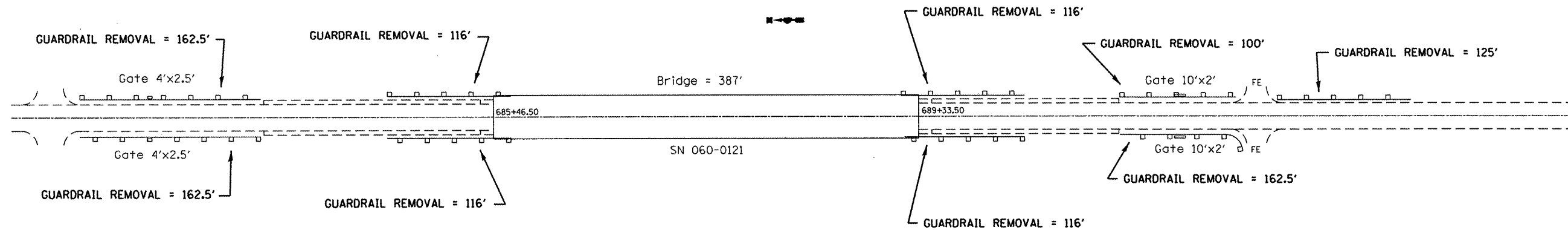
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	PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS**

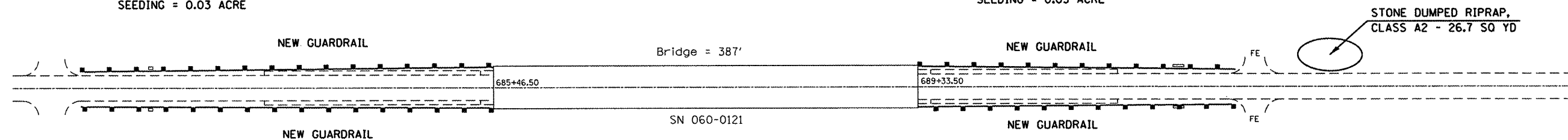
SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	14,5RS	MADISON	71	57
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76D47	



TBT, TYPE 6 = 1 EACH  
 SPBGR, TYPE A = 287.5'  
 TBT, TYPE 1 (SPECIAL), TANGENT = 1 EACH  
 TERMINAL MARKER - DIRECT APPLIED = 1 EACH  
 GUARDRAIL MARKERS, TYPE A = 6 EACH  
 FURNISHED EXCAVATION = 5 CU YDS  
 SEEDING = 0.03 ACRE

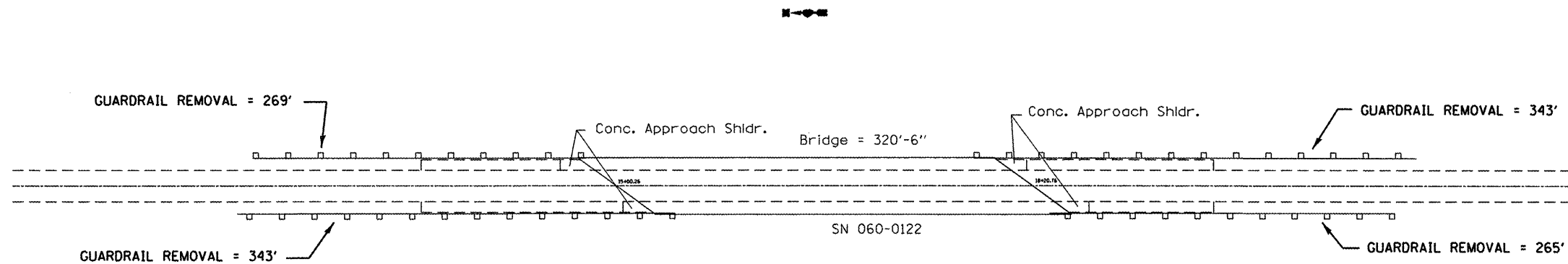
TBT, TYPE 6 = 1 EACH  
 SPBGR, TYPE A = 200'  
 TBT, TYPE 1 (SPECIAL), TANGENT = 1 EACH  
 TERMINAL MARKER - DIRECT APPLIED = 1 EACH  
 GUARDRAIL MARKERS, TYPE A = 5 EACH  
 FURNISHED EXCAVATION = 5 CU YDS  
 SEEDING = 0.03 ACRE



TBT, TYPE 6 = 1 EACH  
 SPBGR, TYPE A = 287.5'  
 TBT, TYPE 1 (SPECIAL), TANGENT = 1 EACH  
 TERMINAL MARKER - DIRECT APPLIED = 1 EACH  
 GUARDRAIL MARKERS, TYPE A = 6 EACH  
 FURNISHED EXCAVATION = 5 CU YDS  
 SEEDING = 0.03 ACRE

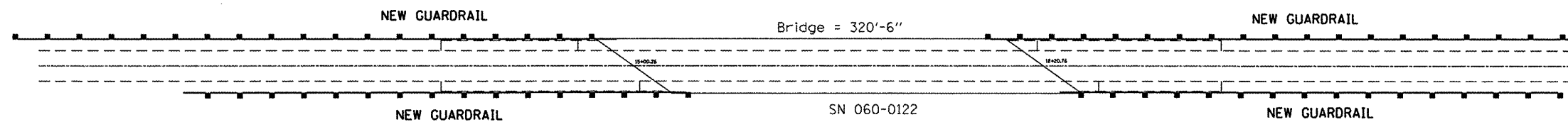
TBT, TYPE 6 = 1 EACH  
 SPBGR, TYPE A = 200'  
 TBT, TYPE 1 (SPECIAL), TANGENT = 1 EACH  
 TERMINAL MARKER - DIRECT APPLIED = 1 EACH  
 GUARDRAIL MARKERS, TYPE A = 5 EACH  
 FURNISHED EXCAVATION = 5 CU YDS  
 SEEDING = 0.03 ACRE

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GUARDRAIL @ CAHOKIA DIVERSION CHANNEL S.N. 060-0121</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILEL#	PLOT SCALE = #SCALE#	DRAWN -	REVISED -			582	14.5RS	MADISON	71	58	
	PLOT DATE = #DATE#	CHECKED -	REVISED -			SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA.		CONTRACT NO. 76047			
		DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



TBT, TYPE 6 = 1 EACH  
 SPBGR, TYPE A = 375'  
 TBT, TYPE 1 (SPECIAL), TANGENT = 1 EACH  
 TERMINAL MARKER - DIRECT APPLIED = 1 EACH  
 GUARDRAIL MARKERS, TYPE A = 7 EACH  
 FURNISHED EXCAVATION = 5 CU YDS  
 SEEDING = 0.03 ACRE

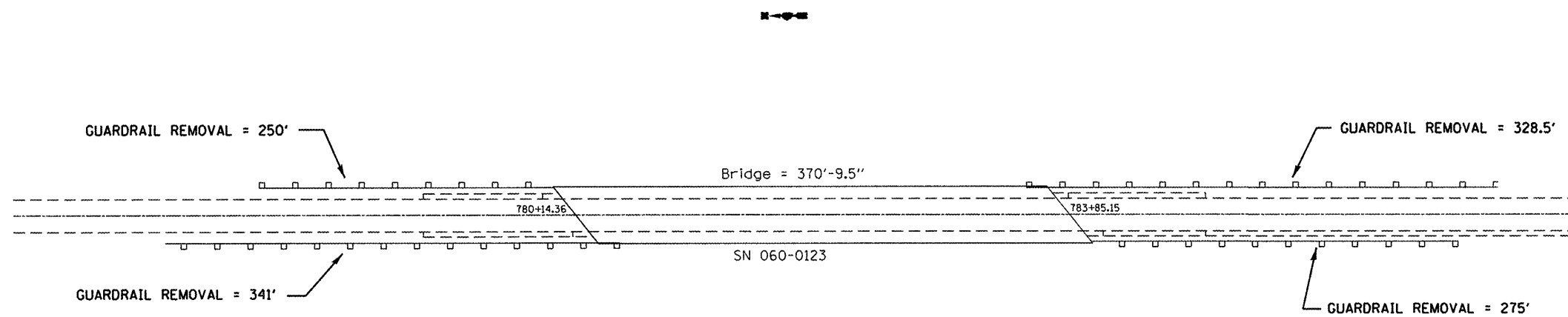
TBT, TYPE 6 = 1 EACH  
 SPBGR, TYPE A = 225'  
 TBT, TYPE 1 (SPECIAL), TANGENT = 1 EACH  
 TERMINAL MARKER - DIRECT APPLIED = 1 EACH  
 GUARDRAIL MARKERS, TYPE A = 5 EACH  
 FURNISHED EXCAVATION = 5 CU YDS  
 SEEDING = 0.03 ACRE



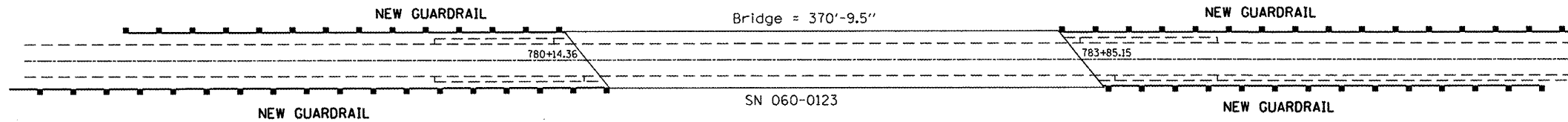
TBT, TYPE 6 = 1 EACH  
 SPBGR, TYPE A = 300'  
 TBT, TYPE 1 (SPECIAL), TANGENT = 1 EACH  
 TERMINAL MARKER - DIRECT APPLIED = 1 EACH  
 GUARDRAIL MARKERS, TYPE A = 6 EACH  
 FURNISHED EXCAVATION = 5 CU YDS  
 SEEDING = 0.03 ACRE

TBT, TYPE 6 = 1 EACH  
 SPBGR, TYPE A = 300'  
 TBT, TYPE 1 (SPECIAL), TANGENT = 1 EACH  
 TERMINAL MARKER - DIRECT APPLIED = 1 EACH  
 GUARDRAIL MARKERS, TYPE A = 6 EACH  
 FURNISHED EXCAVATION = 5 CU YDS  
 SEEDING = 0.03 ACRE

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GUARDRAIL @ RR S.N. 060-0122</b>		F.A.P. RTE. 582	SECTION (4.5RS)	COUNTY MADISON	TOTAL SHEETS 71	SHEET NO. 59	
#FILE#		DRAWN -	REVISED -		SCALE:	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.	<b>CONTRACT NO. 76D47</b>			
		CHECKED -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			
		DATE -	REVISED -									



TBT, TYPE 6 = 1 EACH  
 SPBGR, TYPE A = 237.5'  
 TBT, TYPE 1 (SPECIAL), TANGENT = 1 EACH  
 TERMINAL MARKER - DIRECT APPLIED = 1 EACH  
 GUARDRAIL MARKERS, TYPE A = 5 EACH  
 FURNISHED EXCAVATION = 5 CU YDS  
 SEEDING = 0.03 ACRE



TBT, TYPE 6 = 1 EACH  
 SPBGR, TYPE A = 300'  
 TBT, TYPE 1 (SPECIAL), TANGENT = 1 EACH  
 TERMINAL MARKER - DIRECT APPLIED = 1 EACH  
 GUARDRAIL MARKERS, TYPE A = 6 EACH  
 FURNISHED EXCAVATION = 5 CU YDS  
 SEEDING = 0.03 ACRE

TBT, TYPE 6 = 1 EACH  
 SPBGR, TYPE A = 300'  
 TBT, TYPE 1 (SPECIAL), TANGENT = 1 EACH  
 TERMINAL MARKER - DIRECT APPLIED = 1 EACH  
 GUARDRAIL MARKERS, TYPE A = 6 EACH  
 FURNISHED EXCAVATION = 5 CU YDS  
 SEEDING = 0.03 ACRE

TBT, TYPE 6 = 1 EACH  
 SPBGR, TYPE A = 237.5'  
 TBT, TYPE 1 (SPECIAL), TANGENT = 1 EACH  
 TERMINAL MARKER - DIRECT APPLIED = 1 EACH  
 GUARDRAIL MARKERS, TYPE A = 5 EACH  
 FURNISHED EXCAVATION = 5 CU YDS  
 SEEDING = 0.03 ACRE

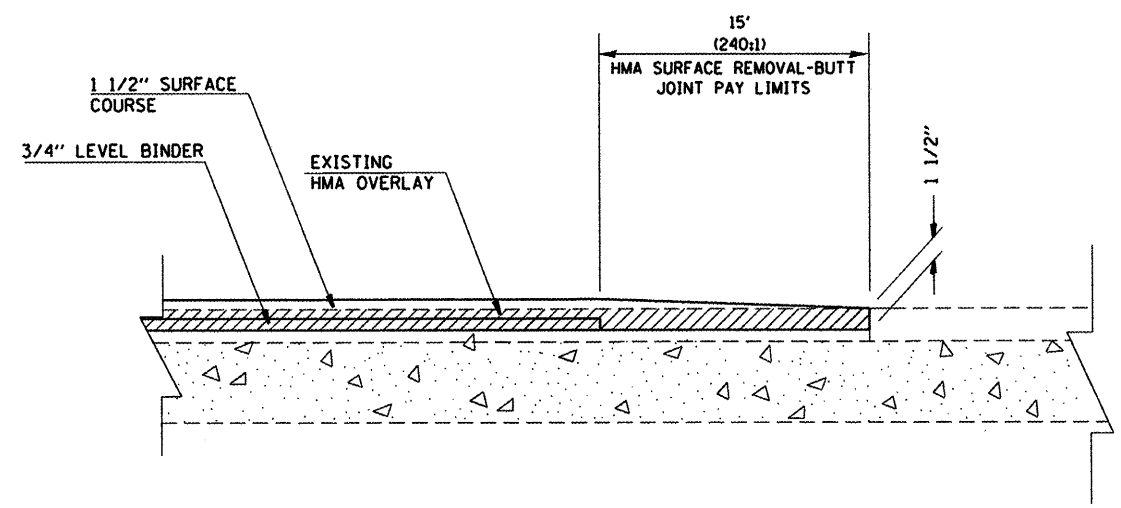
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	PLOT DATE = #DATE#	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

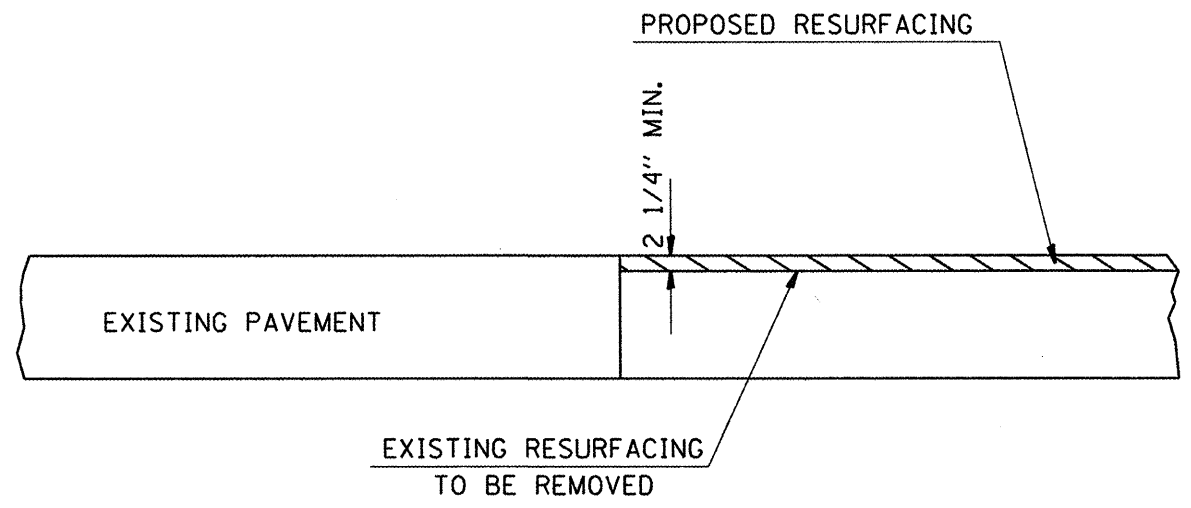
GUARDRAIL @ OLD POAG RD/RR  
 S.N. 060-0123

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

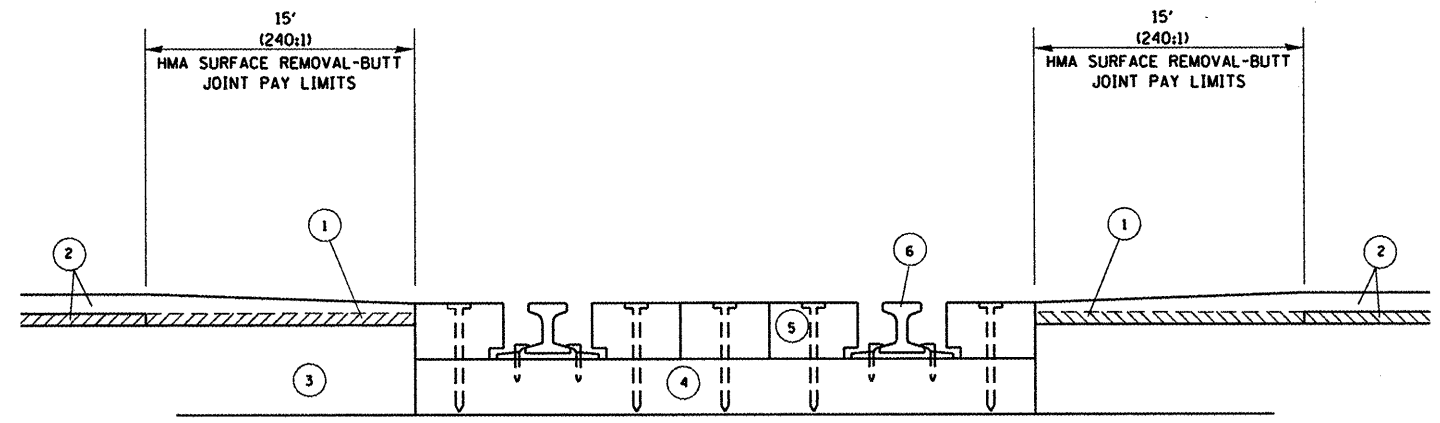
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	14,5RS	MADISON	71	60
CONTRACT NO. 76D47				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**BRIDGE OMISSION DETAIL**

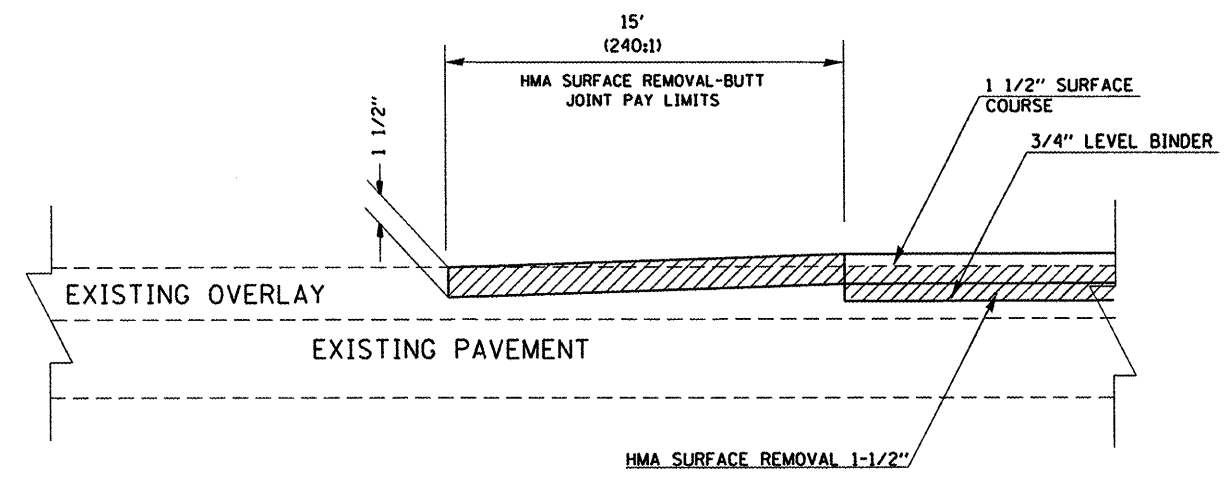


**MAINLINE JOINT DETAIL**  
IL 143/MADISON AVE. & END OF PROJECT



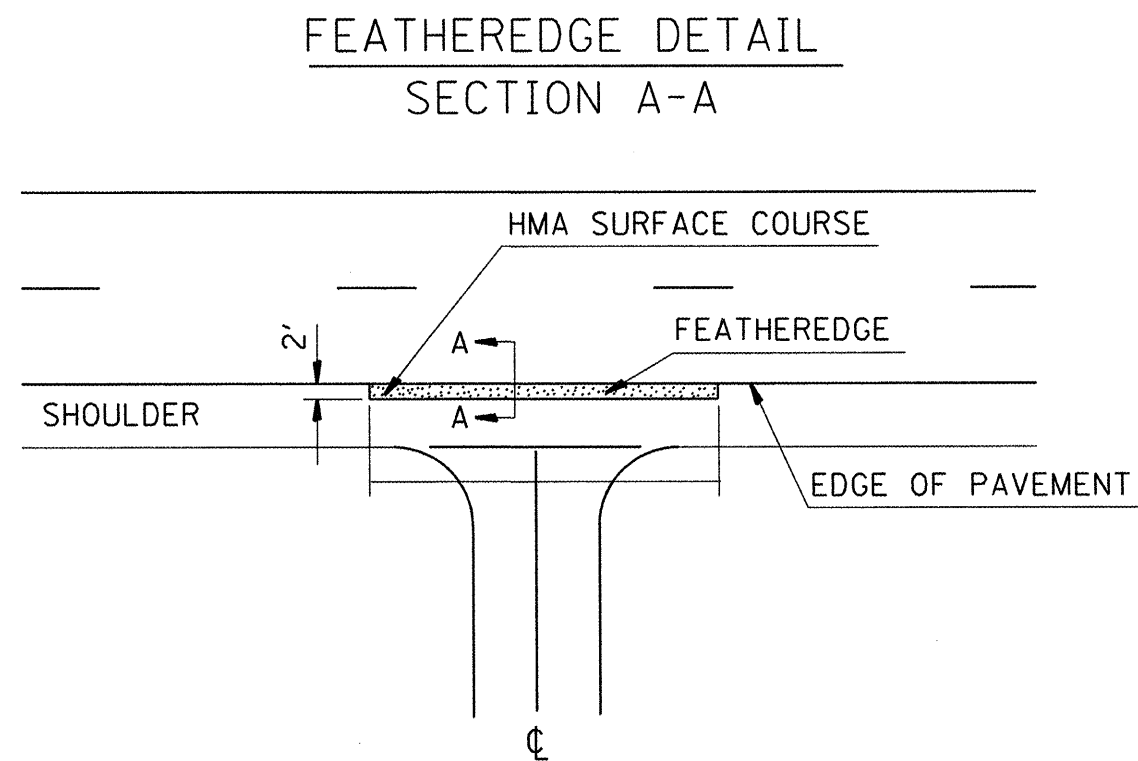
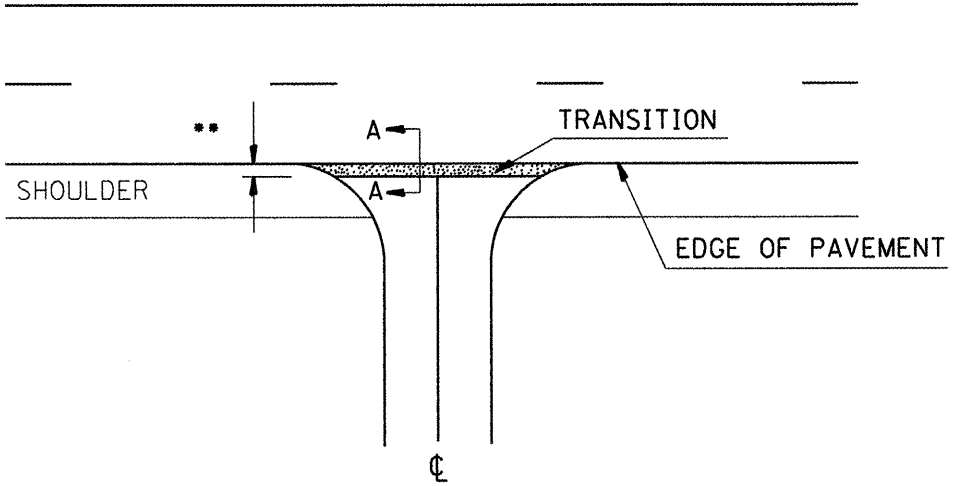
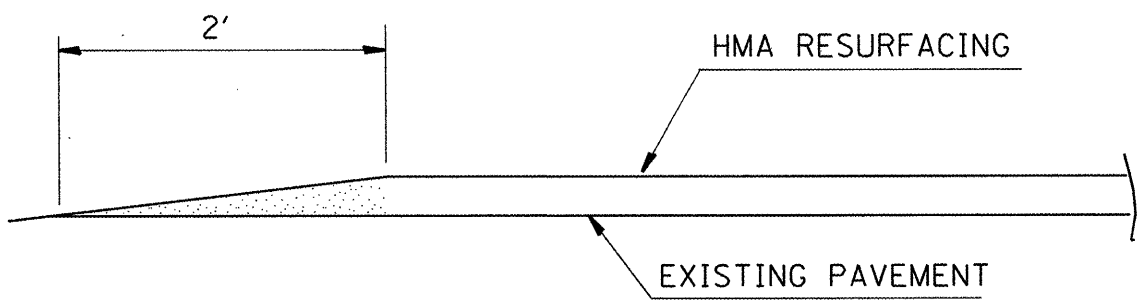
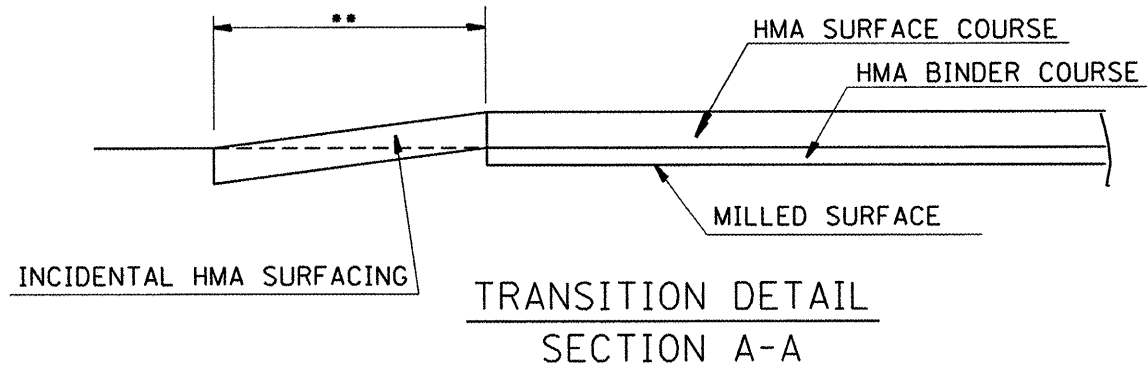
**JOINTS @ RAILROAD**

- ① PROPOSED 1 1/2" MILLING
- ② PROPOSED 2-1/4" RESURFACING
- ③ EXISTING PAVEMENT
- ④ EXISTING RR TIES
- ⑤ EXISTING RR PLANKS
- ⑥ EXISTING RAIL



**MAINLINE BUTT JOINT DETAIL**  
BEGINNING OF PROJECT

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BUTT JOINT DETAILS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -		SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	582	14,5RS	MADISON	71 61
	PLDT SCALE = #SCALE#	CHECKED -	REVISED -								<b>CONTRACT NO. 76D47</b>	
	PLDT DATE = #DATE#	DATE -	REVISED -								<small>FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT</small>	



SIDEROAD DETAIL

FEATHEREDGE DETAIL  
SECTION A-A

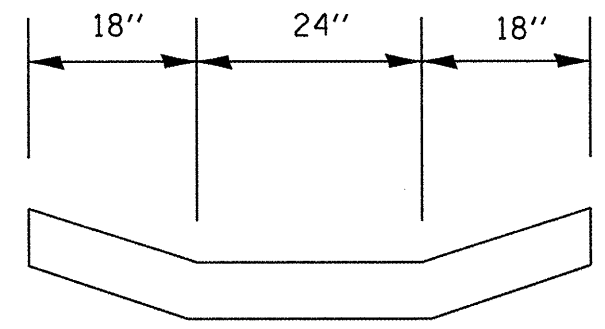
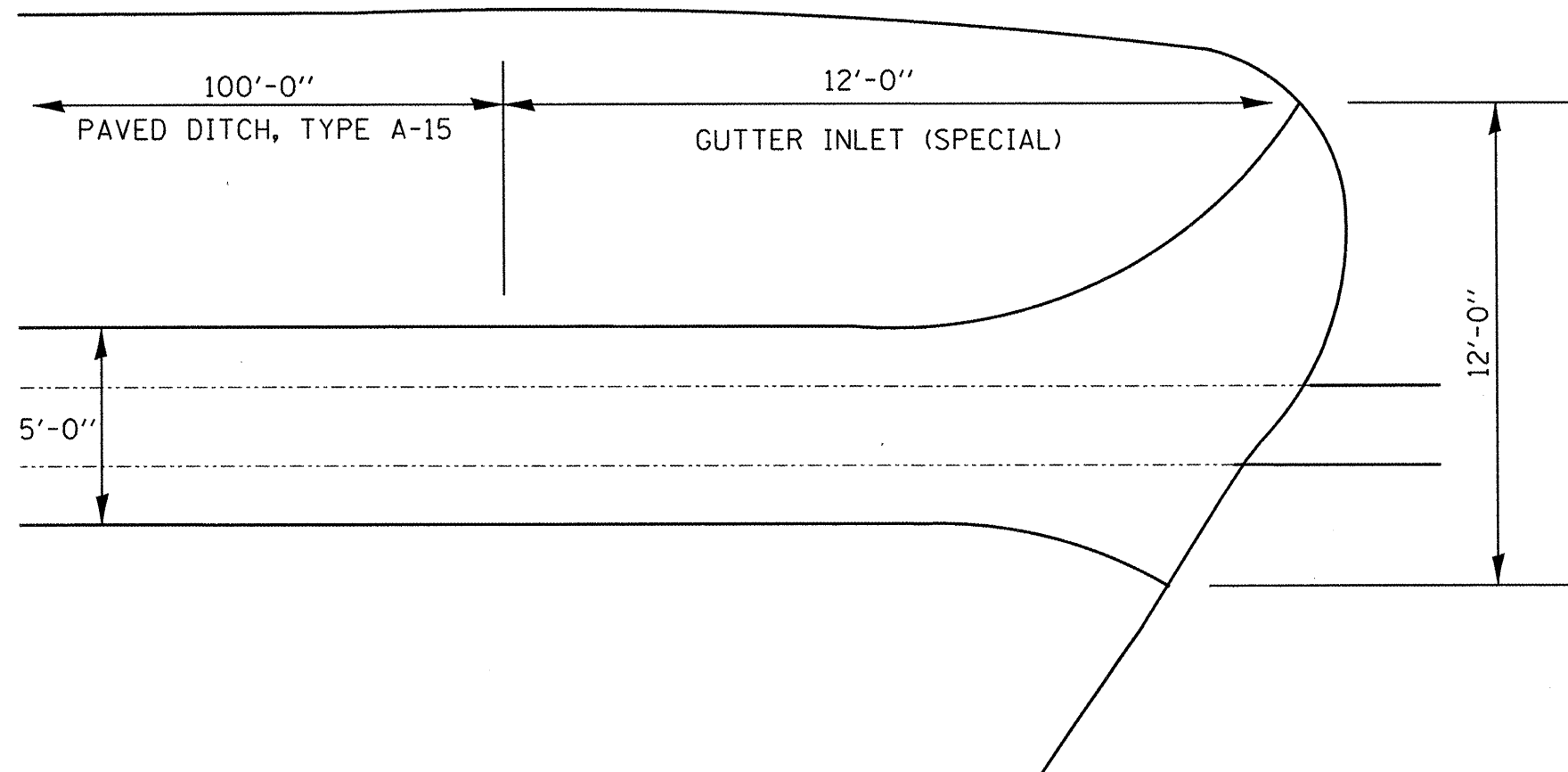
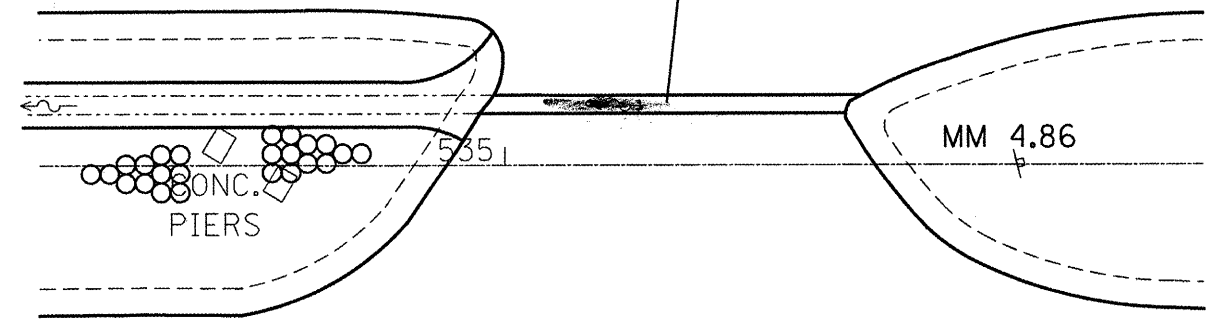
ENTRANCE DETAIL

*EOP ELEVATION CHANGE	**TOTAL TRANSITION LENGTH
3/4"	3.5'
1"	5'
1-1/2"	7.5'
2"	10'
2-1/2"	12.5'
3"	15'
3-1/2"	17.5'
4"	20'
4-1/2"	22.5'
5"	25'
5-1/2"	27.5'
6"	30'

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

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BUTT JOINT DETAILS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		582	(4,5)RS	MADISON	71	62			
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.			CONTRACT NO. 76D47				
	PLOT DATE = #DATE#	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

BITUMINOUS SWALE TO BE MADE IN THE CROSSOVER DURING PAVING OPERATIONS. PRICE TO BE INCLUDED IN THE COST OF INCIDENTAL HMA SURFACING.



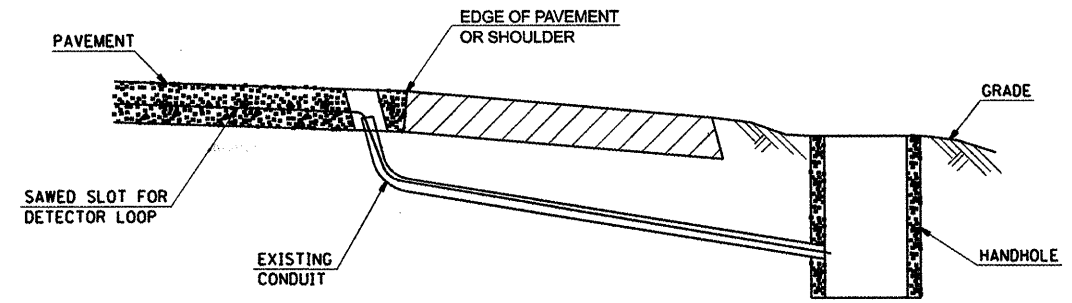
SEE STD. 606401 FOR PAVED DITCH

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVED DITCH INLET DETAIL @ RAND ROAD</b>		F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	582	(4,5)RS	MADISON	71	63
		CHECKED -	REVISED -				TO STA.					
		DATE -	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D47

**GENERAL NOTES**

DETECTOR LOOPS SHALL BE PLACED IN THE PAVEMENT AFTER MILLING AND PRIOR TO RESURFACING.

THE EXISTING DETECTOR LOOP CONDUIT FROM PAVEMENT TO HANDHOLE WILL BE RE-USED FOR THE REPLACED DETECTOR LOOPS. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING THE EXISTING CONDUIT DURING CONSTRUCTION. SHOULD ANY DAMAGE TO THE CONDUIT 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.



**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.

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

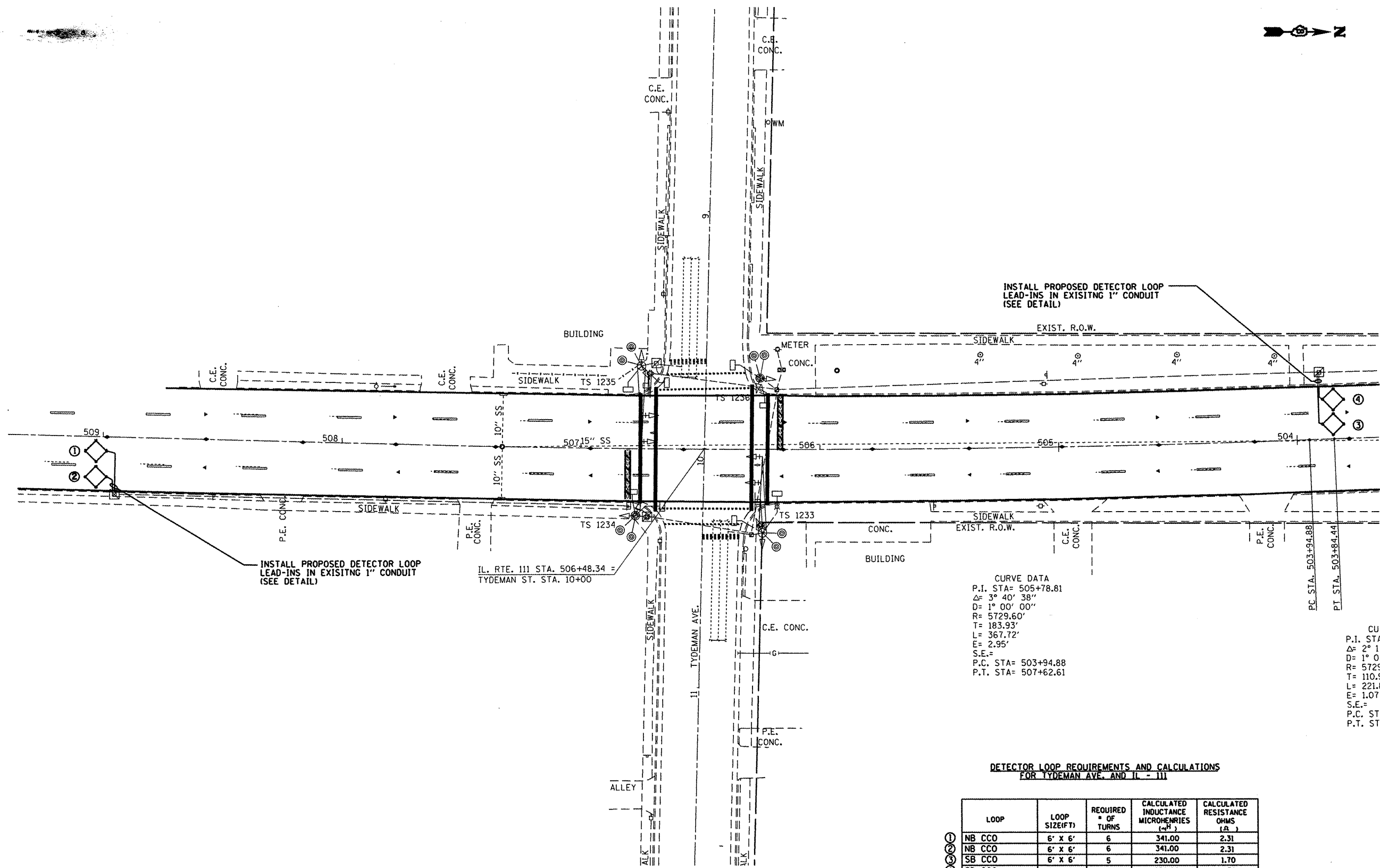
LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPARATELY

**SCHEDULE OF QUANTITIES**

CODE NO	ITEM	UNIT	TOTAL	HAWTHORNE MADISON	NEW POAG RD	EDWARDSVILLE RD	ESTHER AVE	THOMAS ST	TYDEMAN ST
80300100	LOCATE UNDERGROUND CABLE	FOOT	290	180	40	25	15	15	15
88600600	DETECTOR LOOP REPLACEMENT	FOOT	2765	850	1115	350	150	150	150

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ELECTRICAL GENERAL NOTES AND DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -			582	(4, 5)RS	MADISON	71	64	
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -			<b>76D47</b>					
	PLOT DATE = #DATE#	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						STA.	TO STA.				





CURVE DATA  
 P.I. STA= 505+78.81  
 $\Delta = 3^\circ 40' 38''$   
 $D = 1^\circ 00' 00''$   
 $R = 5729.60'$   
 $T = 183.93'$   
 $L = 367.72'$   
 $E = 2.95'$   
 $S.E. =$   
 P.C. STA= 503+94.88  
 P.T. STA= 507+62.61

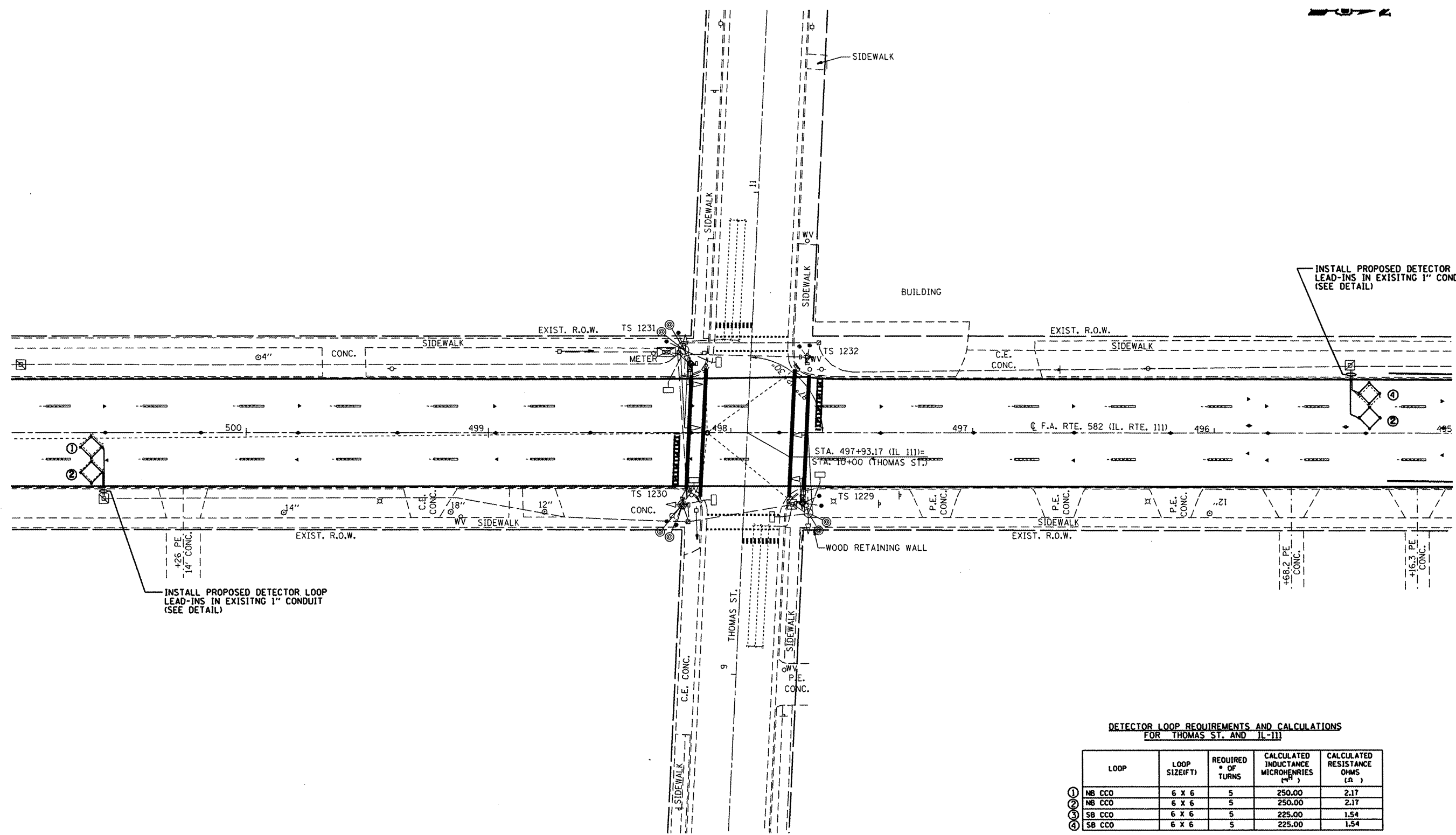
CU  
 P.I. STA  
 $\Delta = 2^\circ 1'$   
 $D = 1^\circ 0'$   
 $R = 5729$   
 $T = 110.5$   
 $L = 221.1$   
 $E = 1.07$   
 $S.E. =$   
 P.C. ST  
 P.T. ST

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR TYDEMAN AVE. AND IL - 111

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (uH)	CALCULATED RESISTANCE OHMS (R.L.)
① NB CCO	6' X 6'	6	341.00	2.31
② NB CCO	6' X 6'	6	341.00	2.31
③ SB CCO	6' X 6'	5	230.00	1.70
④ SB CCO	6' X 6'	5	230.00	1.70

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

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP REPLACEMENT - TYDEMAN AVE. AND IL-111</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -			582	(4, 5) RS	MADISON	71	65	
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -			<b>CONTRACT NO. 76D47</b>					
	PLOT DATE = #DATE#	DATE -	REVISED -			SCALE: 20'=1"	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



INSTALL PROPOSED DETECTOR LOOP LEAD-INS IN EXISTING 1" CONDUIT (SEE DETAIL)

INSTALL PROPOSED DETECTOR LOOP LEAD-INS IN EXISTING 1" CONDUIT (SEE DETAIL)

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR THOMAS ST. AND IL-111

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
① NB CCO	6 x 6	5	250.00	2.17
② NB CCO	6 x 6	5	250.00	2.17
③ SB CCO	6 x 6	5	225.00	1.54
④ SB CCO	6 x 6	5	225.00	1.54

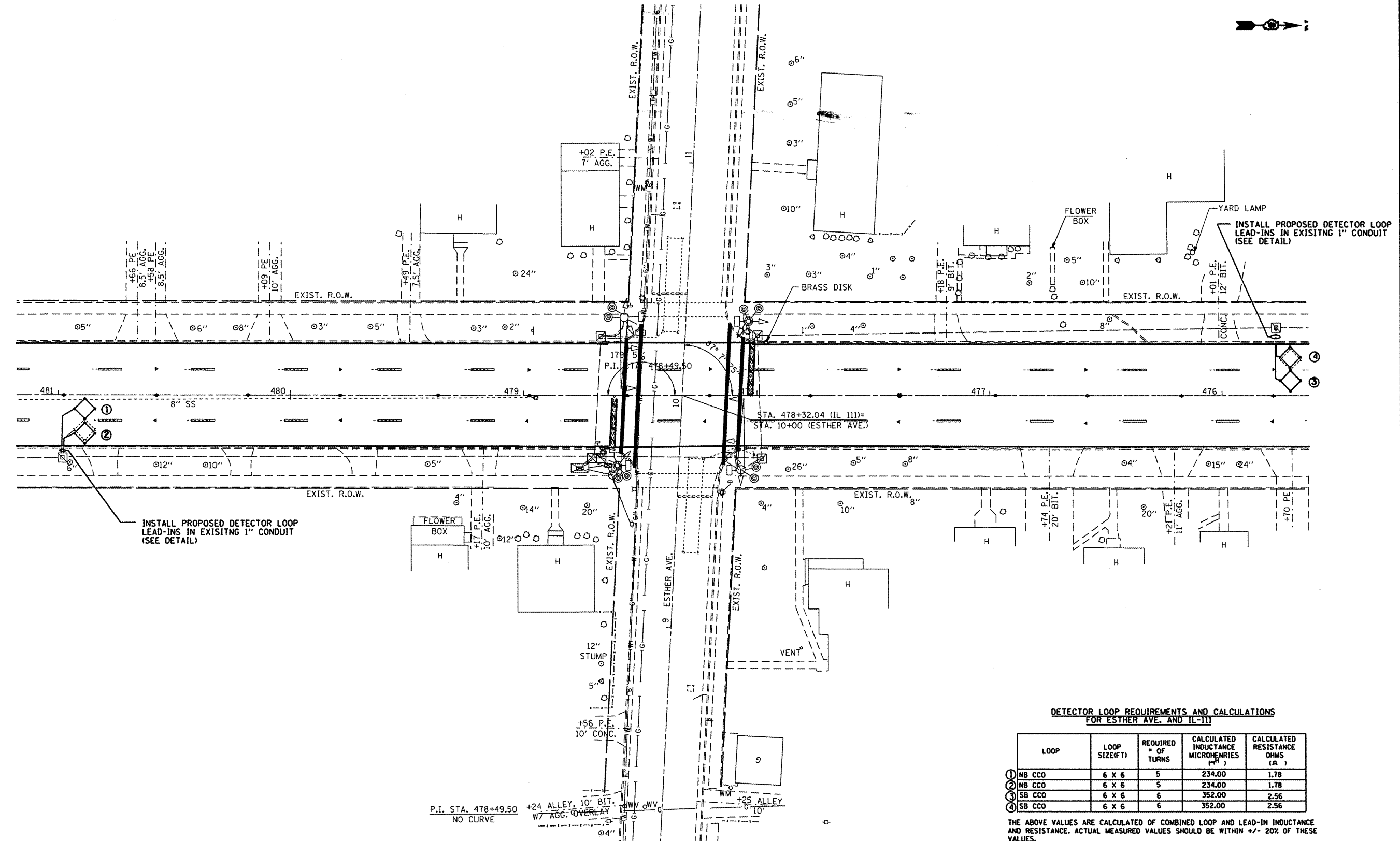
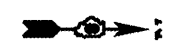
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT - THOMAS ST. AND IL-111  
SCALE: 20'=1" SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 582	SECTION 14, 51 RS	COUNTY MADISON	TOTAL SHEETS 71	SHEET NO. 66
CONTRACT NO. 76D47				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



INSTALL PROPOSED DETECTOR LOOP LEAD-INS IN EXISTING 1" CONDUIT (SEE DETAIL)

INSTALL PROPOSED DETECTOR LOOP LEAD-INS IN EXISTING 1" CONDUIT (SEE DETAIL)

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR ESTHER AVE. AND IL-111

LOOP	LOOP SIZE (FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (R)
① NB CCO	6 X 6	5	234.00	1.78
② SB CCO	6 X 6	5	234.00	1.78
③ NB CCO	6 X 6	6	352.00	2.56
④ SB CCO	6 X 6	6	352.00	2.56

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

FILE NAME =  
#FILE#

USER NAME = #USER#  
DESIGNED -  
DRAWN -  
PLDT SCALE = #SCALE#  
PLDT DATE = #DATE#

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

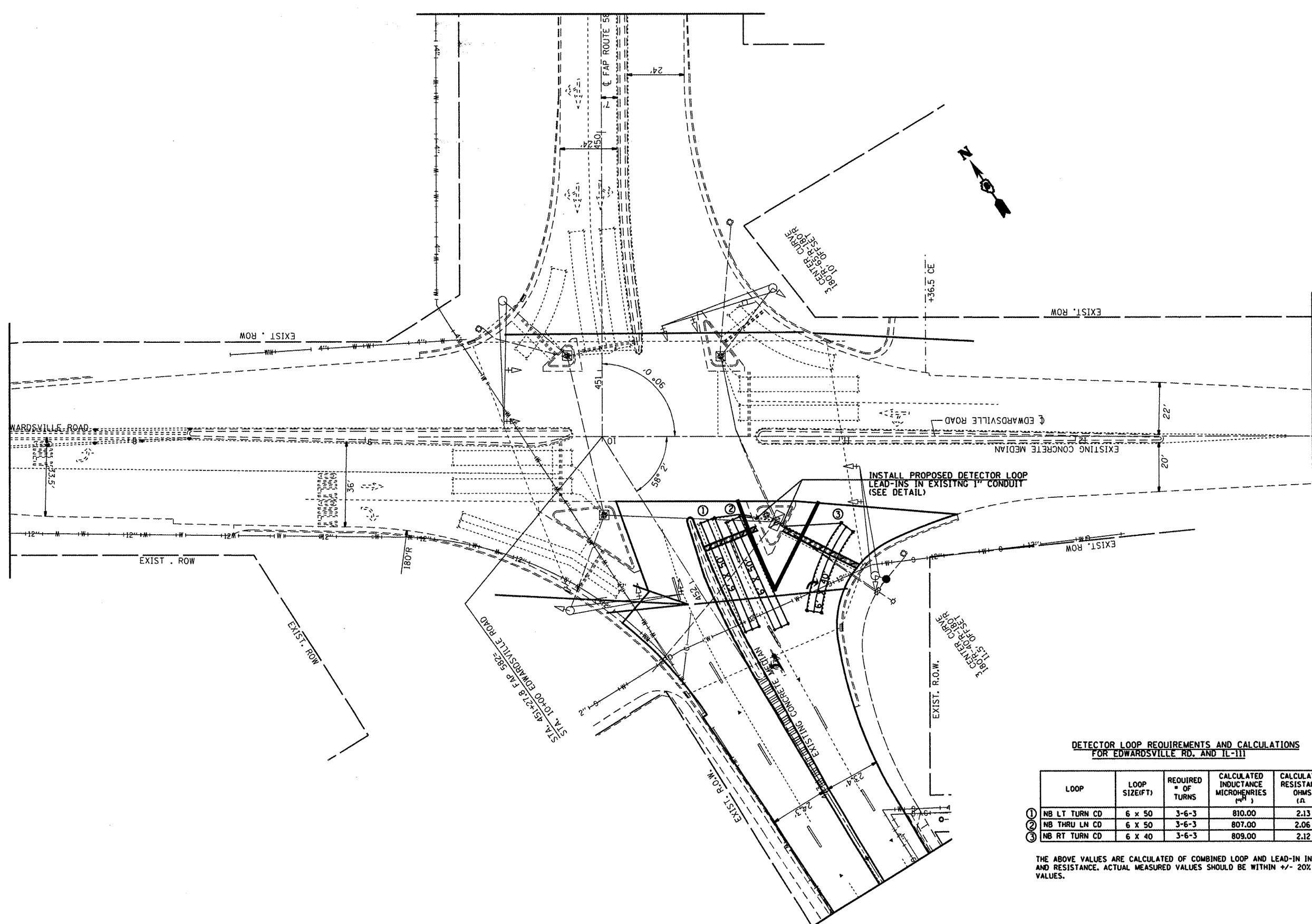
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT- ESTHER AVE. AND IL-111  
SCALE: 20'=1" SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	(4, 5) RS	MADISON	71	67
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 76D47



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR EDWARDSVILLE RD. AND IL-111

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
① NB LT TURN CD	6 x 50	3-6-3	810.00	2.13
② NB THRU LN CD	6 x 50	3-6-3	807.00	2.06
③ NB RT TURN CD	6 x 40	3-6-3	809.00	2.12

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

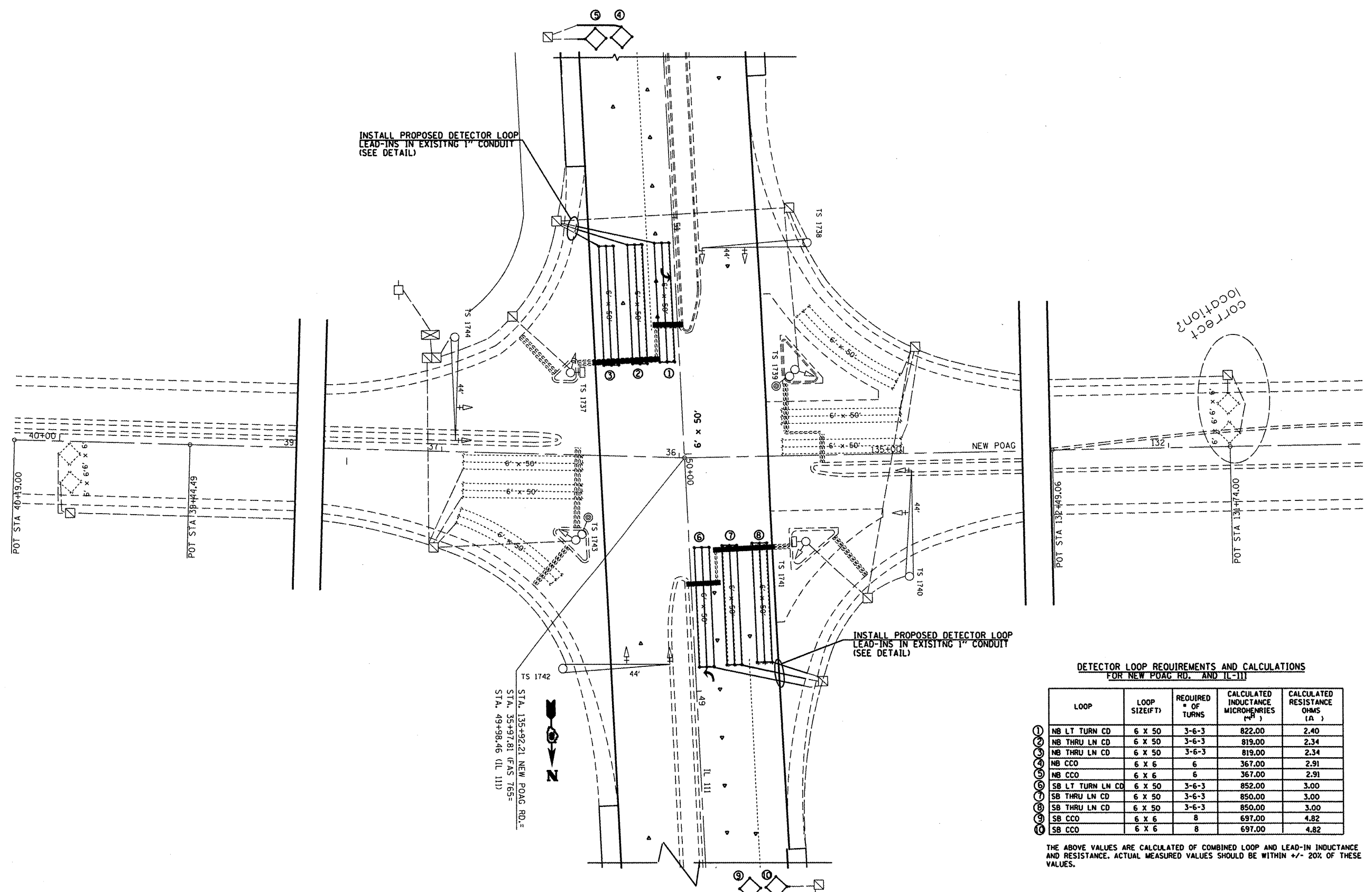
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT- EDWARDSVILLE RD. AND IL-111**

SCALE: 20'=1" SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
582	14, 51 RS	MADISON	71	68
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D47	



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR NEW POAG RD. AND IL-111

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (R)
① NB LT TURN CD	6 X 50	3-6-3	822.00	2.40
② NB THRU LN CD	6 X 50	3-6-3	819.00	2.34
③ NB THRU LN CD	6 X 50	3-6-3	819.00	2.34
④ NB CCO	6 X 6	6	367.00	2.91
⑤ NB CCO	6 X 6	6	367.00	2.91
⑥ SB LT TURN LN CD	6 X 50	3-6-3	852.00	3.00
⑦ SB THRU LN CD	6 X 50	3-6-3	850.00	3.00
⑧ SB THRU LN CD	6 X 50	3-6-3	850.00	3.00
⑨ SB CCO	6 X 6	8	697.00	4.82
⑩ SB CCO	6 X 6	8	697.00	4.82

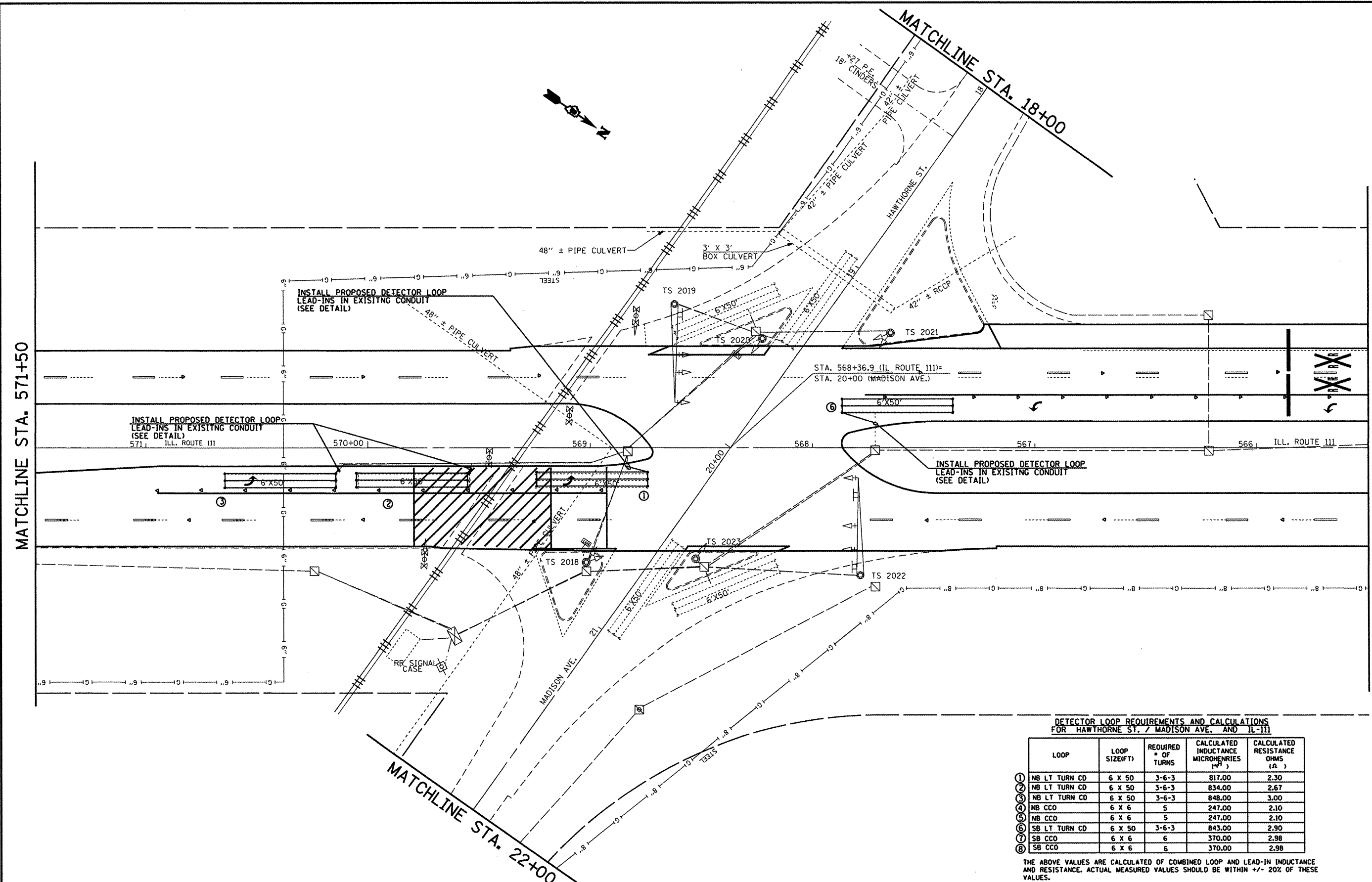
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

correct location?

STA. 135+92.21 NEW POAG RD.  
STA. 35+97.81 (FAS 765-  
STA. 49+98.46 (IL 111)

E5

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		DATE -	REVISED -									



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR HAWTHORNE ST. / MADISON AVE. AND IL-111

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
① NB LT TURN CD	6 x 50	3-6-3	817.00	2.30
② NB LT TURN CD	6 x 50	3-6-3	834.00	2.67
③ NB LT TURN CD	6 x 50	3-6-3	848.00	3.00
④ NB CCO	6 x 6	5	247.00	2.10
⑤ NB CCO	6 x 6	5	247.00	2.10
⑥ SB LT TURN CD	6 x 50	3-6-3	843.00	2.90
⑦ SB CCO	6 x 6	6	370.00	2.98
⑧ SB CCO	6 x 6	6	370.00	2.98

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

E6

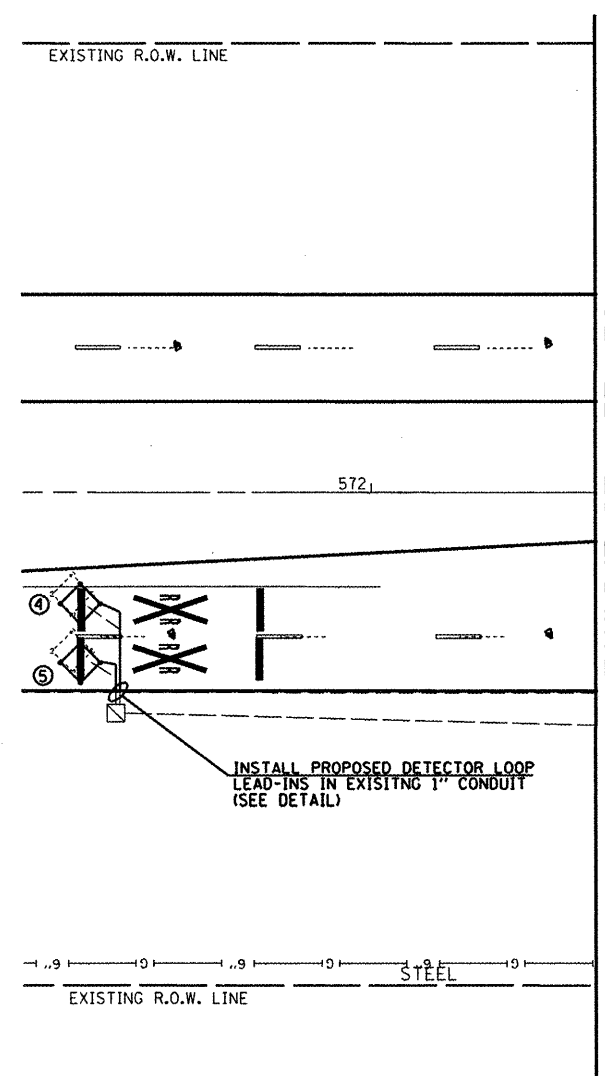
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

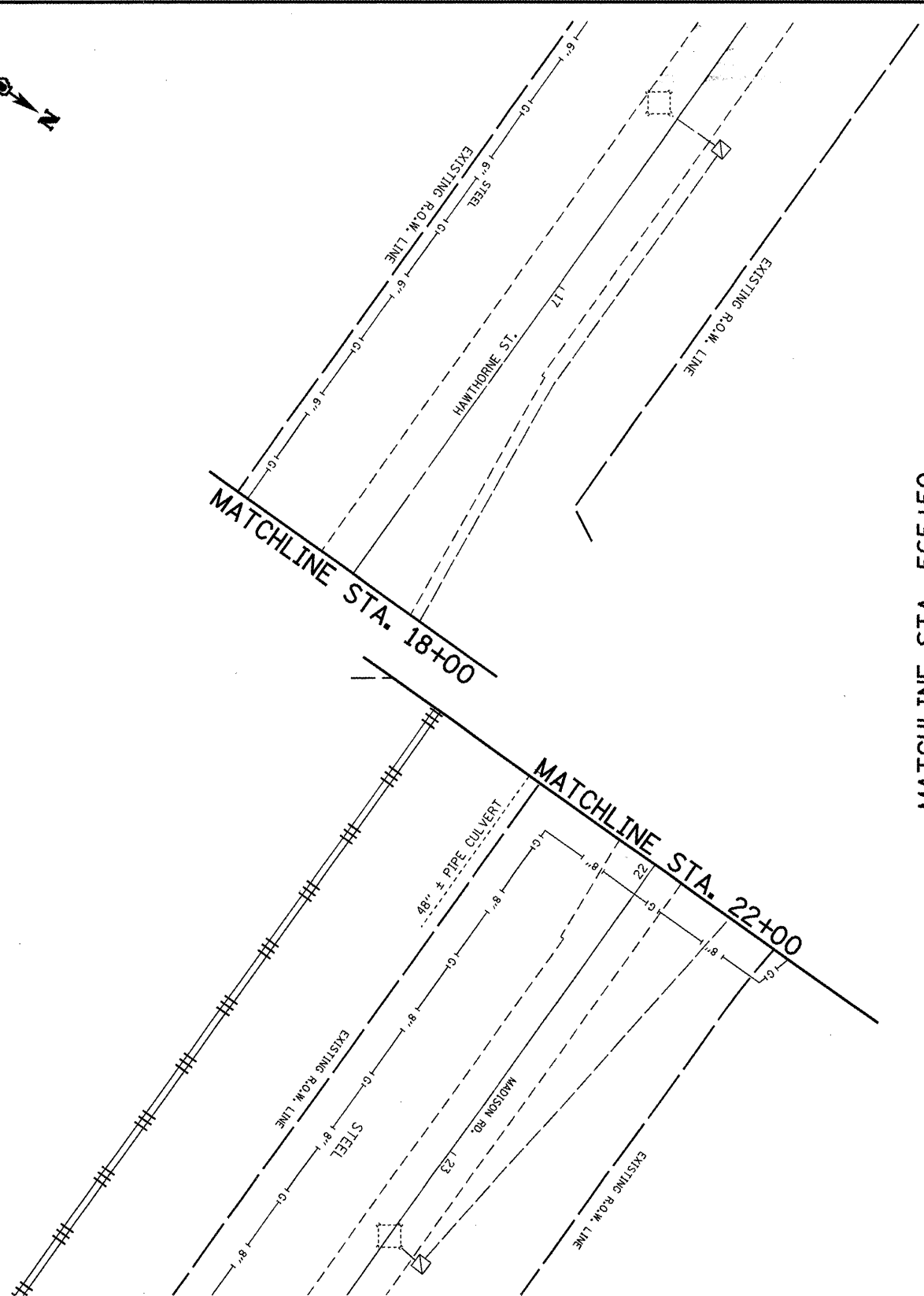
**DETECTOR LOOP REPLACEMENT-HAWTHORNE ST/MADISON AVE. & IL-111**

SCALE: 20'=1"    SHEET NO.    OF    SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
582	14, 51 RS	MADISON	71 70
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. T6D47



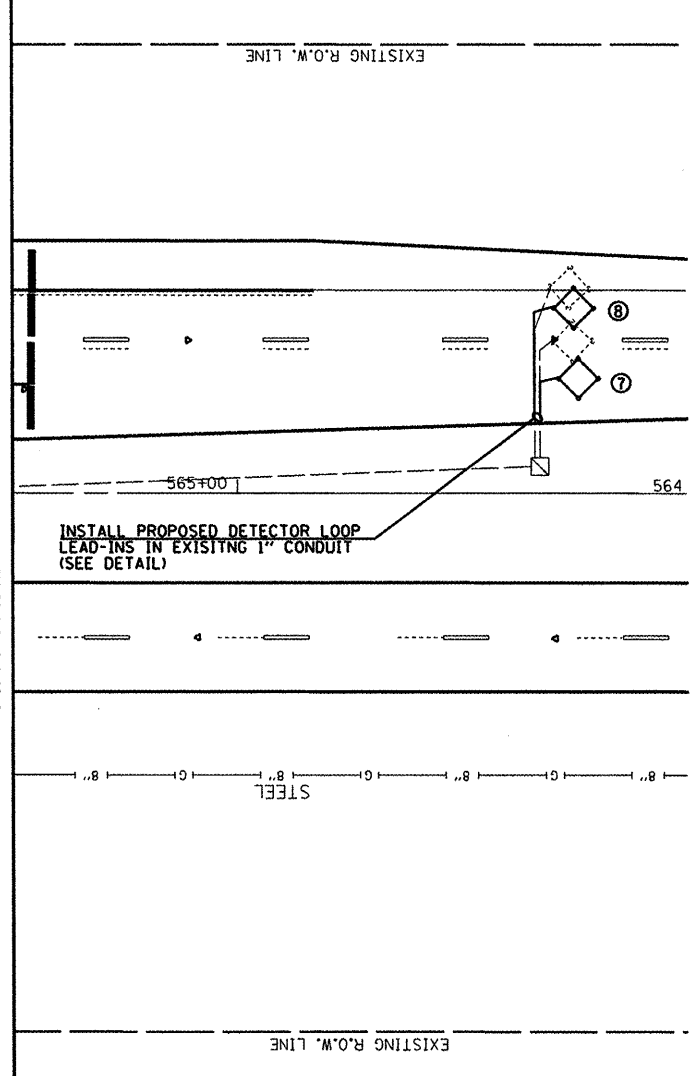
MATCHLINE STA. 571+50



MATCHLINE STA. 18+00

MATCHLINE STA. 22+00

MATCHLINE STA. 565+50



E7

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		DATE -	REVISED -			SCALE: 20'=1"	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	