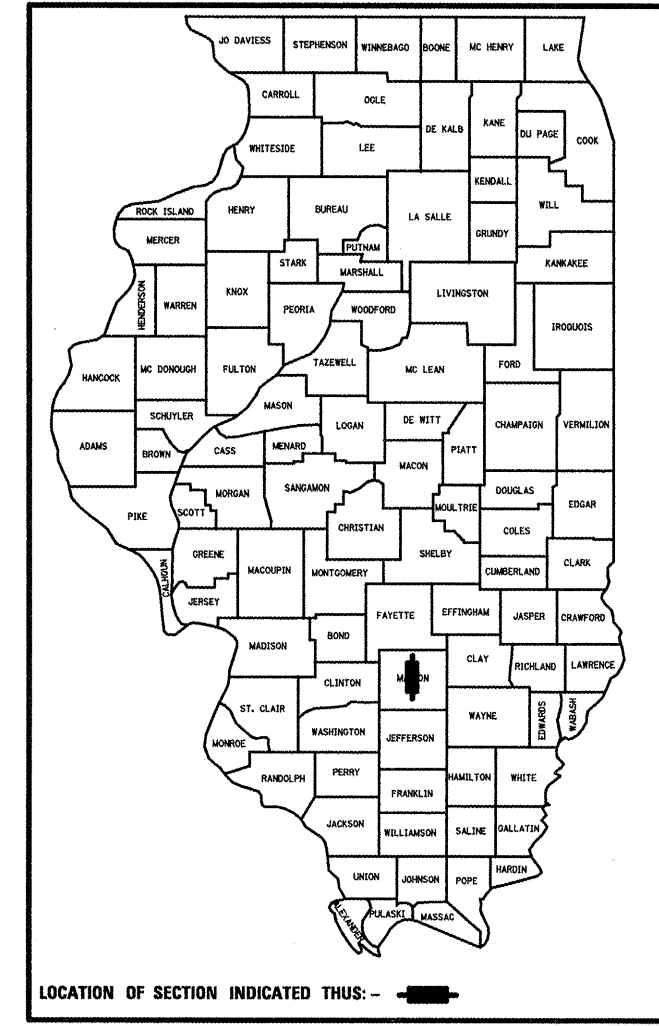


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(106,107,108,109)RS-3	MARION	47	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 76B75		

*FAS 2826/FAU 8565

D-98-047-08



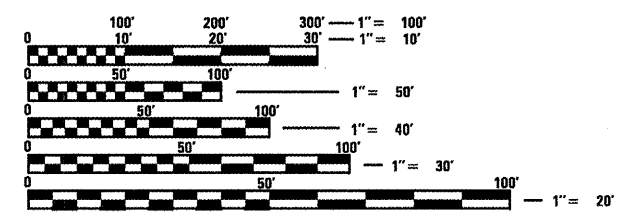
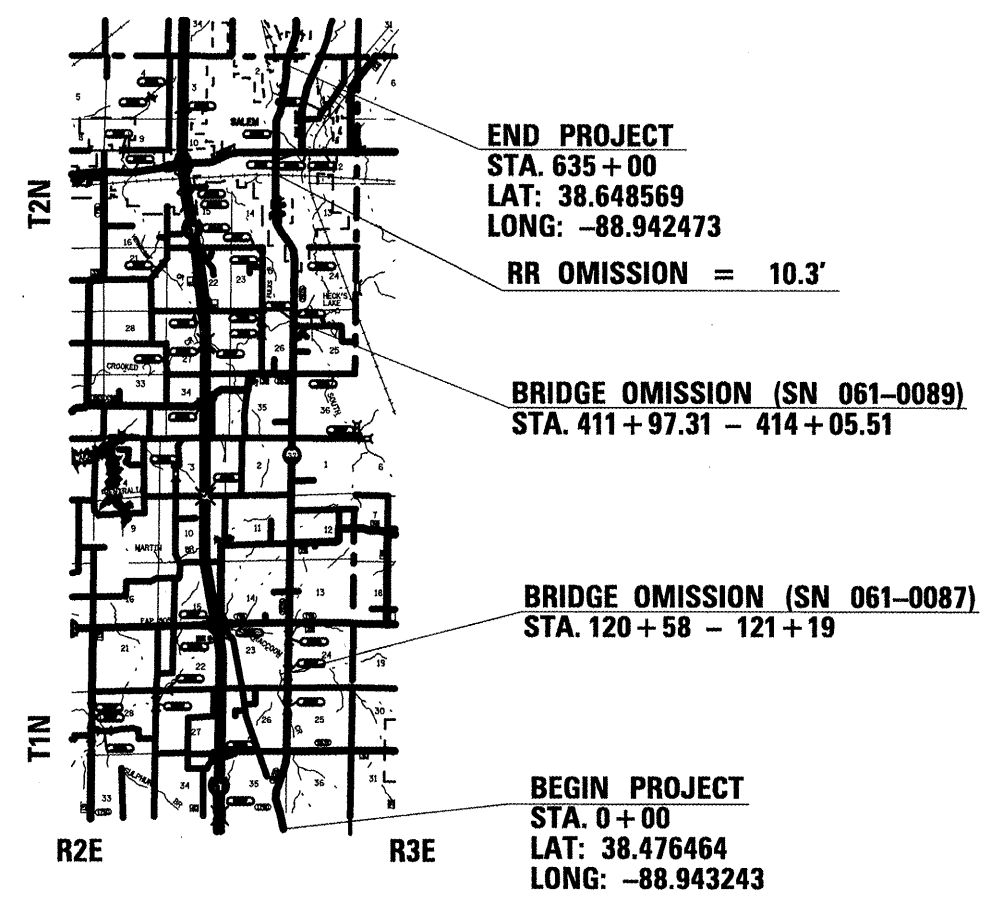
LOCATION OF SECTION INDICATED THUS: - [shaded rectangle] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAS ROUTE 2826 /FAU ROUTE 8565 (IL 37)
SECTION (106,107,108,109)RS-3
PROJECT: *ACM-ACRS-0005 (818)*
MARION COUNTY
C-98-043-08
RESURFACING

- INDEX OF SHEETS
1. COVER SHEET
 2. GENERAL NOTES, COMMITMENTS, STANDARDS AND ADT
 3. SUMMARY OF QUANTITIES
 - 4.-7. TYPICAL SECTIONS
 - 8.-11. SCHEDULES
 12. LINE DIAGRAM
 - 13.-23. PLAN SHEETS
 - 24.-34. PAVEMENT MARKING SHEETS
 - 35.-37. STEEL PLATE BEAM GUARDRAIL DETAILS
 - 38.-40. PAVEMENT JOINT DETAILS
 - 41.-43. PAVEMENT MARKING DETAILS
 44. IL 161 INTERSECTION DETAIL
 - 45.-46. DETECTOR LOOP PLANS
 47. CULVERT DETAIL



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. 76B75

GROSS LENGTH = 63,500 FEET = 12.03 MILES
NET LENGTH = 63,220.5 FEET = 11.97 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *Jan 22 20 10*
Mark C. James
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

March 19 20 10
Scott E. Stitt P.E. I.E.
ACTING ENGINEER OF DESIGN AND ENVIRONMENT

March 19 20 10
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- 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.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - AMEREN IP (GAS & ELECTRIC)
 - ATMOS ENERGY (GAS)
 - AT&T ILLINOIS (COMMUNICATIONS)
 - BP PIPELINES (NORTH AMERICA) (PIPELINE)
 - CENTERPOINT ENERGY (PIPELINE)
 - CHARTER COMMUNICATIONS, INC. (CABLE TV)
 - COUNTRYMARK COOPERATIVE, LLP (PIPELINE)
 - DIX-KELL WATER & SEWER COMMISSION (WATER & SANITARY SEWER)
 - RACCOON WATER COMPANY (WATER)
 - CITY OF SALEM (WATER & SANITARY SEWER)
 - TRI-COUNTY ELECTRIC COOPERATIVE, INC. (ELECTRIC)
 - US SONET (COMMUNICATIONS)

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

- WHEN NO WORK IS BEING PERFORMED, THE FLAGGERS WILL NOT BE REQUIRED. IF FLAGGERS ARE NOT PRESENT, THE FLAGGER SIGNS SHALL BE REMOVED OR COVERED.
- FLAGGERS SHALL BE PRESENT DURING ALL CLOSURE HOURS, INCLUDING LUNCH HOUR, AND NO ADDITIONAL COMPENSATION WILL BE APPLIED.
- 'ROAD CONSTRUCTION AHEAD' SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS. THE COST WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE AND 48"x48".
- 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.
- THE FOLLOWING MIXTURE REQUIREMENTS APPLY TO THIS PROJECT.

MIXTURE USE	SURFACE	LEVEL BINDER	BINDER/PATCHING
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	10%	15%	15%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION			
(GRADATION MIXTURE)	IL 12.5/9.5	IL 9.5	
FRICITION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "B"

SHOULDERS	TOP LIFT SHLDRS	INCIDENTAL SURF
PG 64-22	PG 64-22	PG 64-22
30%	30%	10%
2.0% @ Ndes=30	**2.0% @ Ndes=30	4.0% @ Ndes=70
		IL 9.5
BAM	BAM	MIXTURE "C"

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

- EXCESS BITUMEN REMOVAL SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- 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. REFER TO THE SCHEDULES FOR THOSE WHICH WILL REQUIRE ADJUSTMENT.
- 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.
- ANY EARTHWORK ASSOCIATED WITH THE REMOVAL AND REPLACEMENT OF THE CUTTER AND CURB & GUTTER SHALL BE INCLUDED IN THE COST FOR THE GUTTER AND COMBINATION CONCRETE CURB & GUTTER.
- IF ANY UNSUITABLE MATERIAL IS ENCOUNTERED DURING CONSTRUCTION, IT WILL BE NECESSARY TO REMOVE THE UNSUITABLE MATERIAL AND REPLACE IT WITH A SUITABLE MATERIAL AS APPROVED BY THE ENGINEER. THE COST WILL BE PAID PER SECTION 109.04.
- SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS.
- NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.

- RAILROAD FLAGGERS WILL BE REQUIRED FOR THIS PROJECT. PAYMENT WILL BE COVERED PER ARTICLE 107.12 OF THE STANDARD SPECIFICATIONS.
- EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH THE APPROPRIATE LIGHTS.
- THE PAVEMENT MARKINGS SHOWN IN THE PLANS ARE APPROXIMATE. THE LOCATIONS OF THE PROPOSED CROSSWALKS, STOP BARS, ETC. SHALL MATCH EXISTING LOCATIONS, AS DIRECTED BY THE ENGINEER.
- SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, BINDER, AND FINAL BITUMINOUS SURFACE. ONLY THE REMOVAL OF THE FINAL SURFACE APPLICATION SHALL 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.
- ALL TEMPORARY PAVEMENT MARKINGS WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 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.
- ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. THE COST SHALL BE INCLUDED IN THE ITEM OF WORK BEING DONE. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR FERTILIZER NUTRIENTS OR MULCH. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
- THE PROPOSED STEEL PLATE BEAM GUARDRAIL AND TRAFFIC BARRIER TERMINAL ITEMS INCLUDED IN THE PLANS SHALL COMPLY WITH THE DETAILS IN THE PLANS AND MANUFACTURER'S DETAILS IN ORDER TO MATCH THE EXISTING GUARDRAIL ELEMENTS THAT WERE ERECTED PRIOR TO JANUARY 1, 2007.
- PAVEMENT MILLING IN AREAS OF EXISTING CONCRETE PATCHING AND/OR SHOULDERS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS MAT PRIME COAT	0.0003	TONS / SQ YD
AGGREGATE PRIME COAT	0.0015	TONS / SQ YD
HMA RESURFACING	112	LBS / SQ YD / IN

HIGHWAY STANDARDS:

00001-05	701311-03
442201-03	701336-05
482011-03	701501-05
606001-04	701701-06
635006-03	701901-01
701101-02	780001-02
701201-03	781001-03
701301-03	886001-01
701306-02	886006-01

COMMITMENTS:

NONE

ADT

IL 37 FROM JEFFERSON COUNTY LINE TO IL 161
 2007 ADT = 2,950 (ACTUAL)
 2008 ADT = 3,000 (ESTIMATED)
 2028 ADT = 3,700 (ESTIMATED)
 SU = 4.2%
 MU = 1.4%

IL RTE 37 FROM IL 161 TO CHURCH ST.
 2007 ADT = 3,750 (ACTUAL)
 2008 ADT = 3,800 (ESTIMATED)
 2028 ADT = 4,600 (ESTIMATED)
 SU = 4.7%
 MU = 2.4%

IL RTE 37 FROM CHURCH ST. TO CROSS ST.
 2007 ADT = 5,100 (ACTUAL)
 2008 ADT = 5,200 (ESTIMATED)
 2028 ADT = 6,300 (ESTIMATED)
 SU = 5.4%
 MU = 2.0%

IL RTE 37 FROM CROSS ST. TO US 50
 2007 ADT = 7,500 (ACTUAL)
 2008 ADT = 7,300 (ESTIMATED)
 2028 ADT = 8,900 (ESTIMATED)
 SU = 5.9%
 MU = 1.7%

IL RTE 37 FROM US 50 TO RICKER DR.
 2007 ADT = 8,500 (ACTUAL)
 2008 ADT = 8,600 (ESTIMATED)
 2028 ADT = 10,500 (ESTIMATED)
 SU = 5.9%
 MU = 1.5%

IL RTE 37 FROM RICKER DR. TO MADISON ST.
 2007 ADT = 6,800 (ACTUAL)
 2008 ADT = 6,900 (ESTIMATED)
 2028 ADT = 8,400 (ESTIMATED)
 SU = 3.3%
 MU = 0.9%

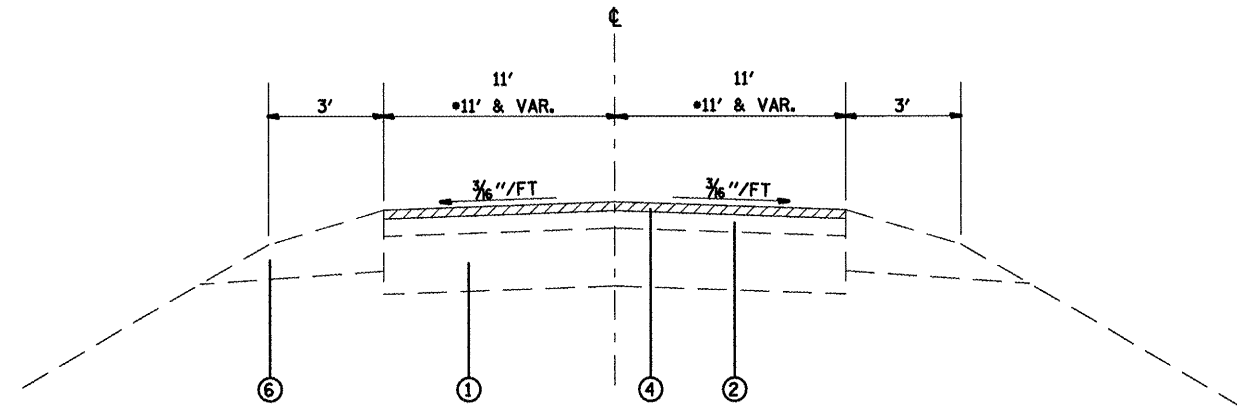
*FAS 2826/FAU 8565

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et\pwork\PMIDOT\CONOVERPJ\d0119570\d0119570	76b75-shr-plan.dgn	DRAWN -	REVISED -			•	(106,107,108,109)RS-3	MARION	47	2	
	PLOT SCALE = 1/8" = 100.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 76B75					
	PLOT DATE = 1/15/2010	DATE -	REVISED -			SCALE: _____	SHEET NO. 1 OF 1 SHEETS	STA. _____	TO STA. _____	FED. ROAD DIST. NO. _____	ILLINOIS FED. AID PROJECT

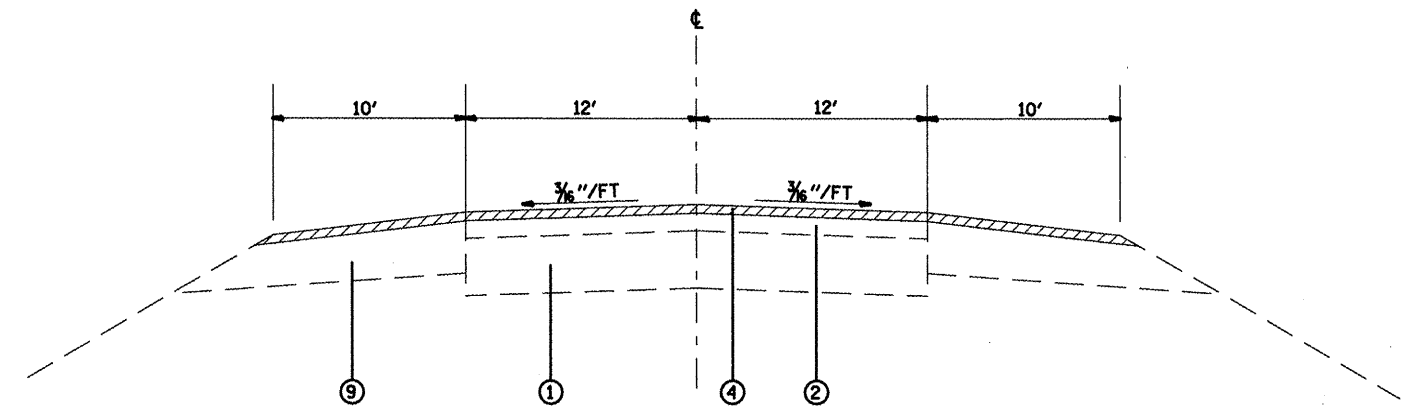
SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		1000 RURAL <i>FAS 2826</i>	1000 URBAN <i>FAU 8565</i>	Y025 50% CITY STATE	CODE NO	ITEM	UNIT		1000 RURAL <i>FAS 2826</i>	1000 URBAN <i>FAU 8565</i>	Y025 50% CITY STATE
20800150	TRENCH BACKFILL	CU YD	3		3		67100100	MOBILIZATION	L SUM	1	0.7	0.3	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	108	70	37	1	70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		
40600300	AGGREGATE (PRIME COAT)	TON	519	334	179	6	70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	7140	4675	2437	28	70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.5	0.5	
40600895	CONSTRUCTING TEST STRIP	EACH	1	0.5	0.5		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		1	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1557	831	726		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1	
40600990	TEMPORARY RAMP	SQ YD	1734	413	1321		70300100	SHORT-TERM PAVEMENT MARKING	FOOT	20664	12336	8328	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	14290	9363	4872	55	70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	193		193	
40800020	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.5	0.3	0.2		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	147705	112812	34180	
40800030	AGGREGATE (PRIME COAT)	TON	3	2	1		70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	316	316		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	123	51	72		70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	799	187	612	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	141788	109636	32152		70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	294	120	174	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	33240	1559	31025	656	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2296	1371	925	
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	18	18			*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	193		193	
44003700	MEDIAN REMOVAL (SPECIAL)	SQ FT	3507	3507			*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	147705	112812	34180	
44200156	PAVEMENT PATCHING, TYPE II, 13 INCH	SQ YD	154	77	77		*78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	316	316		
44200160	PAVEMENT PATCHING, TYPE III, 13 INCH	SQ YD	523	350	173		*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	799	187	612	
44200162	PAVEMENT PATCHING, TYPE IV, 13 INCH	SQ YD	1446	1276	170		*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	294	120	174	
44200192	PAVEMENT PATCHING, TYPE II, 16 INCH	SQ YD	16		16		*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	866	566	300	
44200196	PAVEMENT PATCHING, TYPE III, 16 INCH	SQ YD	77		77		*78200410	GUARDRAIL MARKERS, TYPE A	EACH	1	1		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1543	1277	266		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	893	566	327	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	470	45	425		*80300100	LOCATING UNDERGROUND CABLE	FOOT	75		75	
50105220	PIPE CULVERT REMOVAL	FOOT	135	135			*88600600	DETECTOR LOOP REPLACEMENT	FOOT	704		704	
54200277	PIPE CULVERTS, CLASS D, TYPE 1 72"	FOOT	135	135			X0974300	SIGN REMOVAL	EACH	7	7		
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	44		44		X7800200	PAINT PAVEMENT MARKING CURB	FOOT	438	438		
55100700	STORM SEWER REMOVAL 15"	FOOT	44		44		Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		1	
56109210	WATER VALVES TO BE ADJUSTED	EACH	3			3							
60255500	MANHOLES TO BE ADJUSTED	EACH	11			11							
63000002	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6.75 FOOT POSTS	FOOT	37.5	37.5									
63200310	GUARDRAIL REMOVAL	FOOT	37.5	37.5									
66700110	PERMANENT SURVEY MARKERS TO BE ADJUSTED	EACH	8	8									
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	8	4								

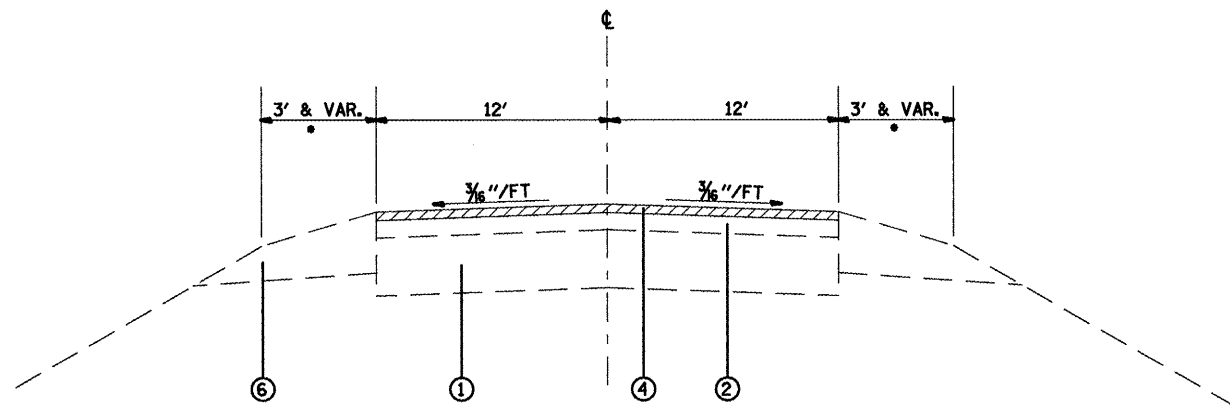
**Specialty Items*



TANGENT SECTION
 STA. 0+00 TO STA. 160+00
 STA. 591+82 TO STA. 626+09.88

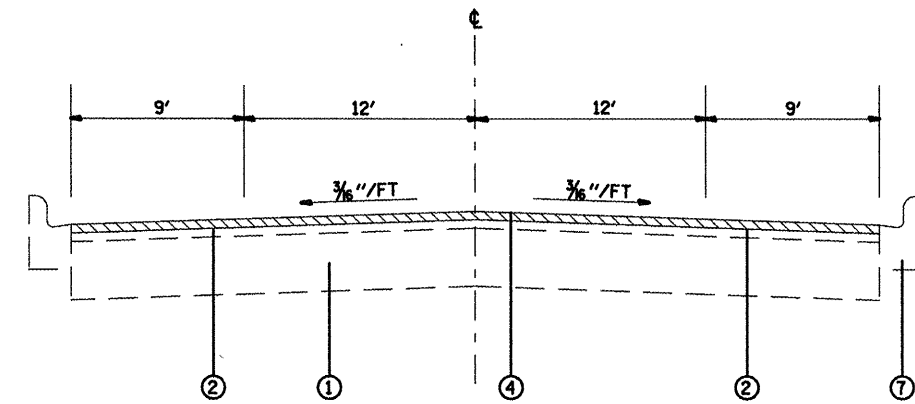


TANGENT SECTION
 STA. 500+85.33 TO STA. 517+61.84



•5' EXIST. PAVED SHOULDERS
 AT THE IL 161 INTERSECTION

TANGENT SECTION
 STA. 160+00 TO STA. 468+04.26
 STA. 626+09.88 TO STA. 635+00

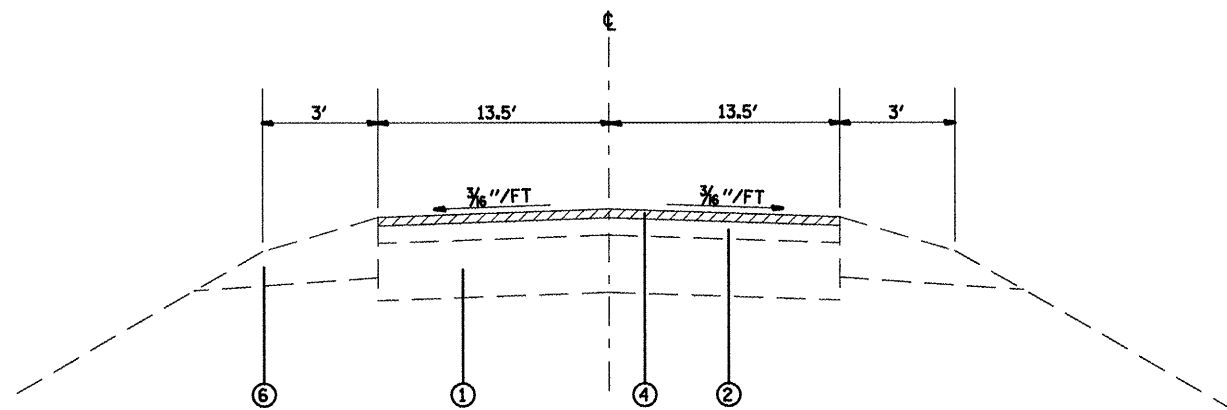


TANGENT SECTION
 STA. 517+61.84 TO STA. 539+25.53

- PROPOSED 1-1/2" HMA SURFACE REMOVAL
- PROPOSED 2-1/4" HMA SURFACE REMOVAL

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING RESURFACING
- ③ EXISTING RESURFACING, 6"
- ④ EXISTING HMA SURFACE COURSE, MIX D, CLASS I, 1.5"
- ⑤ EXISTING LEVELING BINDER (MM), 1/2" & VAR.
- ⑥ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑦ EXISTING CURB & GUTTER
- ⑧ EXISTING CURB
- ⑨ EXISTING PAVED SHOULDER



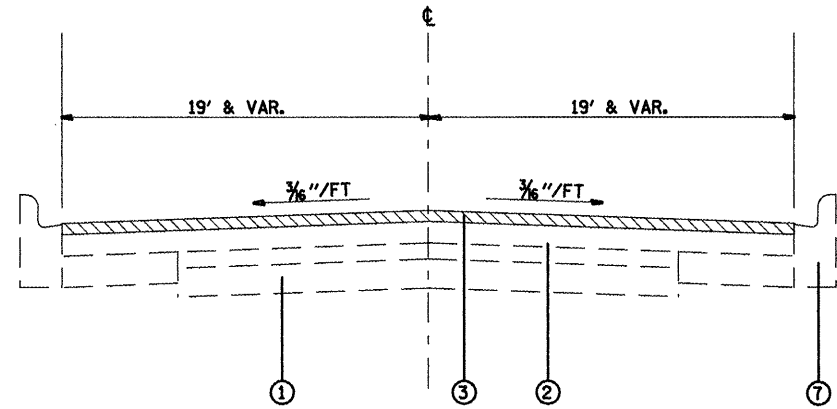
TANGENT SECTION
 STA. 468+04.26 TO STA. 500+85.33

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		CHECKED -	REVISD -
		DATE -	REVISD -

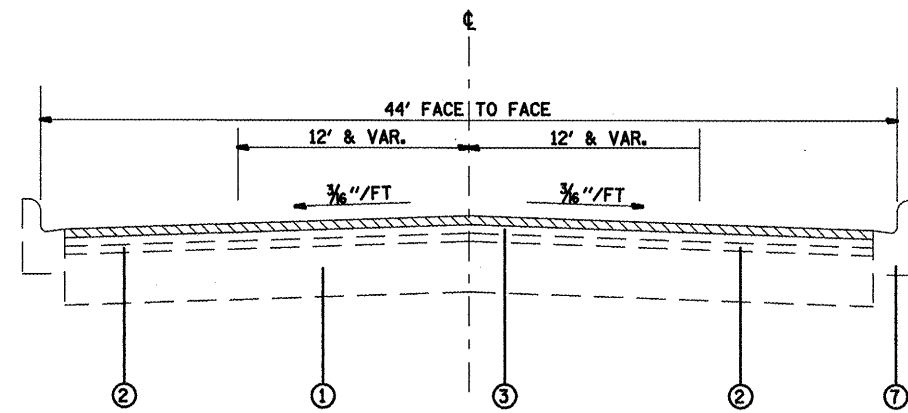
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

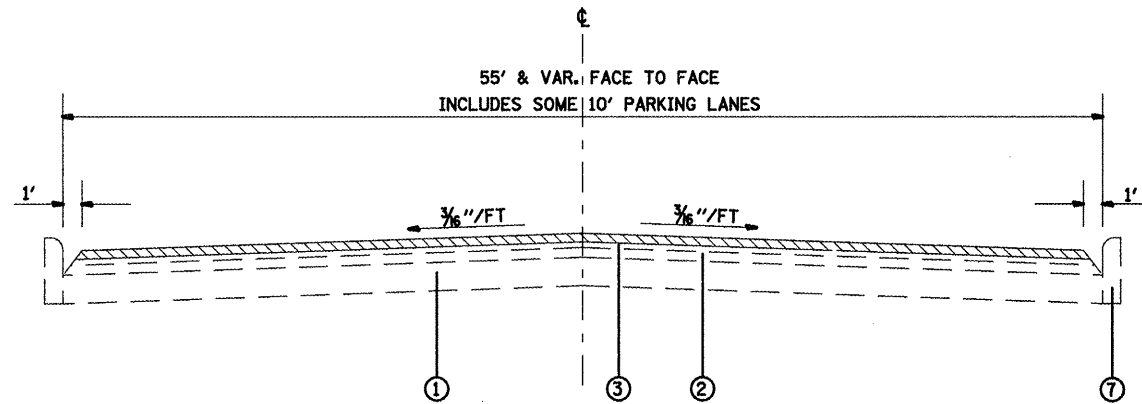
*FAS 2826/FAU 8565		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		•	(106,107,108,109)RS-3	MARION	47	4
				CONTRACT NO. 76875		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						



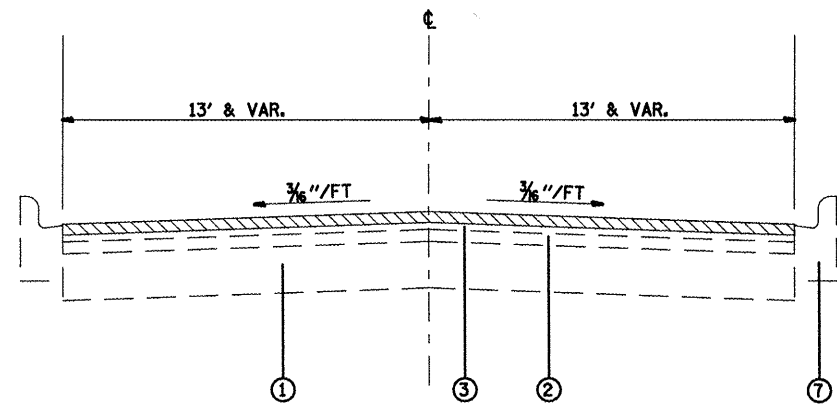
TANGENT SECTION
 STA. 539+25.53 TO STA. 553+41.20
 STA. 558+84.84 TO STA. 562+27.73



TANGENT SECTION
 STA. 584+56.46 TO STA. 591+82



TANGENT SECTION
 STA. 553+41.20 TO STA. 558+84.84

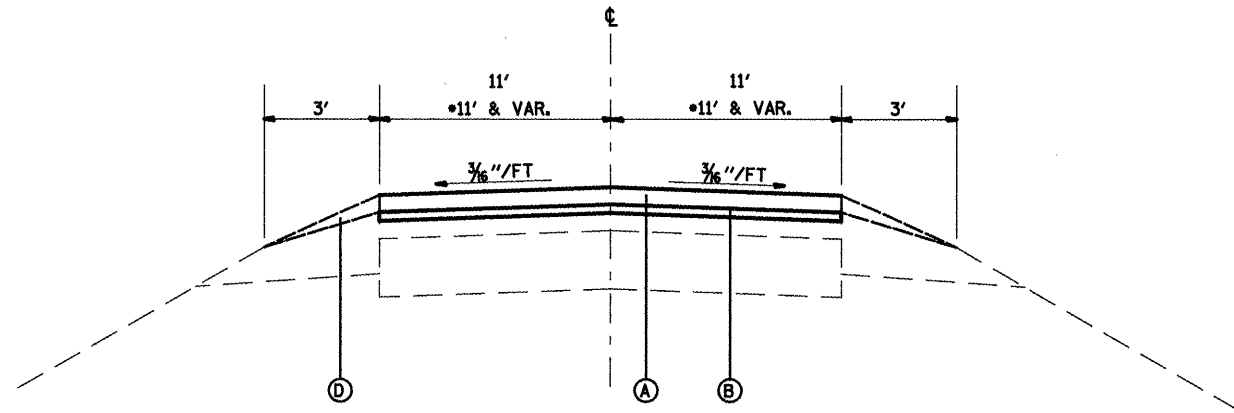


TANGENT SECTION
 STA. 562+27.73 - 584+56.46

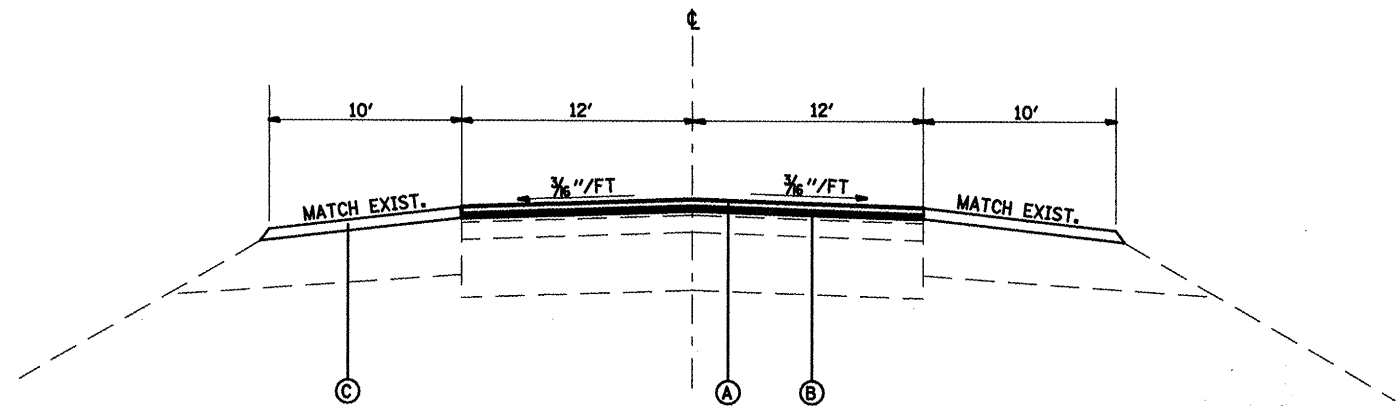
- PROPOSED 1-1/2" HMA SURFACE REMOVAL
- PROPOSED 2-1/4" HMA SURFACE REMOVAL

- LEGEND**
- ① EXISTING PAVEMENT
 - ② EXISTING RESURFACING
 - ③ EXISTING RESURFACING, 6"
 - ④ EXISTING HMA SURFACE COURSE, MIX D, CLASS I, 1.5"
 - ⑤ EXISTING LEVELING BINDER (MM), 1/2" & VAR.
 - ⑥ EXISTING AGGREGATE SHOULDER, TYPE B
 - ⑦ EXISTING CURB & GUTTER
 - ⑧ EXISTING CURB
 - ⑨ EXISTING PAVED SHOULDER

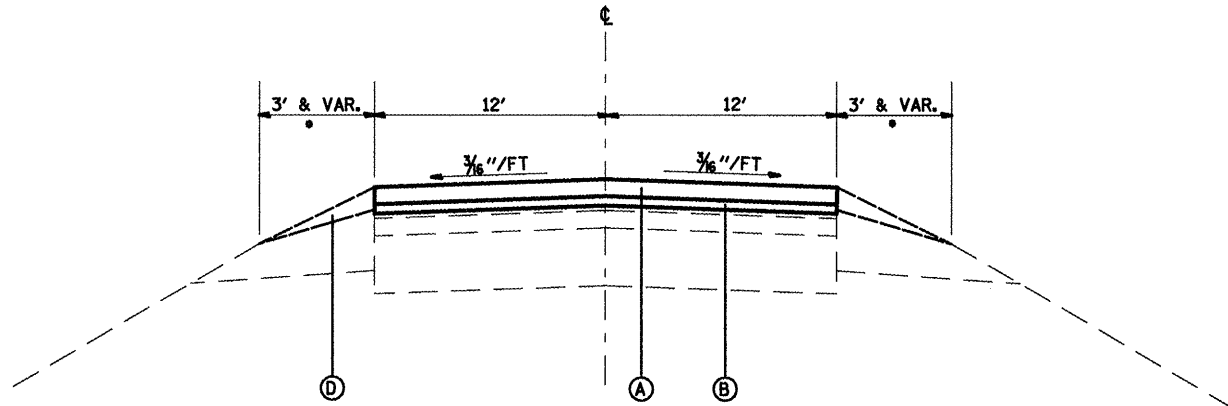
FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS			*FAS 2826/FAU 8565
ca\pw\work\PMIDOT\CONOVERPJ\0119570\d876b75-ahs-plan.dgn	76b75-ahs-plan.dgn	DRAWN -	REVISED -		SCALE: _____	SHEET NO. 2 OF 4 SHEETS	STA. _____ TO STA. _____	F.A. RTE. _____
	PLOT SCALE = 1/8" = 100.0000' / IN.	CHECKED -	REVISED -		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT DATE = 1/15/2010	DATE -	REVISED -		(106,107,108,109)RS-3	MARION	47	5
				CONTRACT NO. 76B75			ILLINOIS FED. AID PROJECT	



TANGENT SECTION
 STA. 0+00 TO STA. 160+00
 STA. 591+82 TO STA. 626+09.88

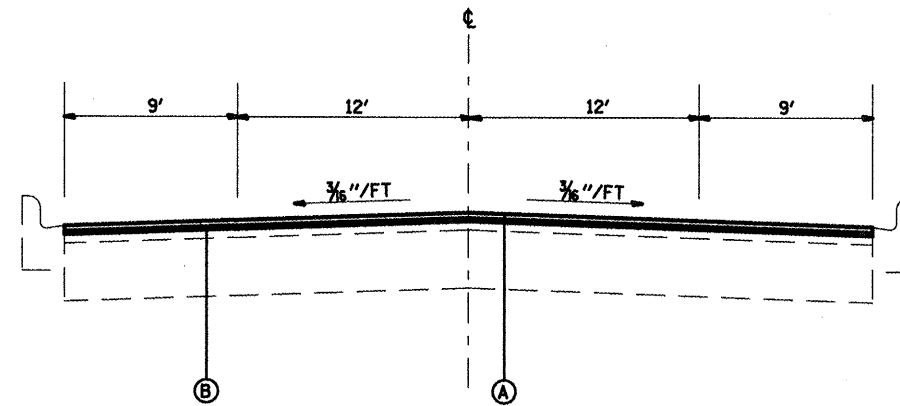


TANGENT SECTION
 STA. 500+85.33 TO STA. 517+61.84

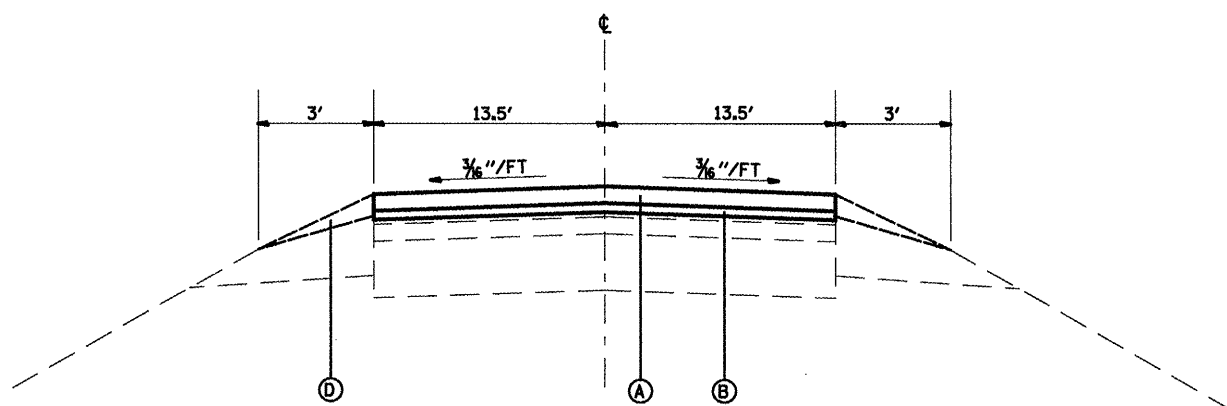


•5' EXIST. PAVED SHOULDERS
 AT THE IL 161 INTERSECTION

TANGENT SECTION
 STA. 160+00 TO STA. 468+04.26
 STA. 626+09.88 TO STA. 635+00



TANGENT SECTION
 STA. 517+61.84 TO STA. 539+25.53



TANGENT SECTION
 STA. 468+04.26 TO STA. 500+85.33

- LEGEND**
- (A) PROP. HMA SURFACE COURSE, MIX D, N70, 1-1/2"
 - (B) PROP. LEVELING BINDER (MM), N70, 3/4"
 - (C) PROP. HMA SHOULDERS, 2-1/4"
 - (D) PROP. AGGREGATE WEDGE SHOULDER, TYPE B, 1-1/2"

FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -
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PLOT DATE = 1/15/2010		DATE -	REVISED -

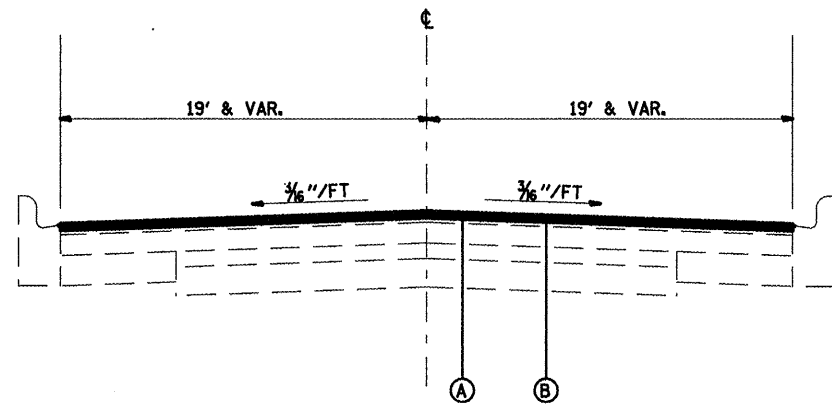
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS

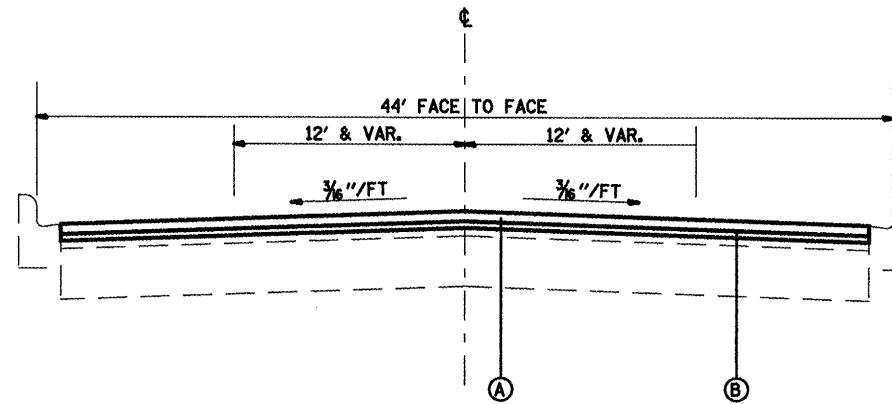
SCALE: _____ SHEET NO. 3 OF 4 SHEETS STA. _____ TO STA. _____

*FAS 2826/FAU 8565

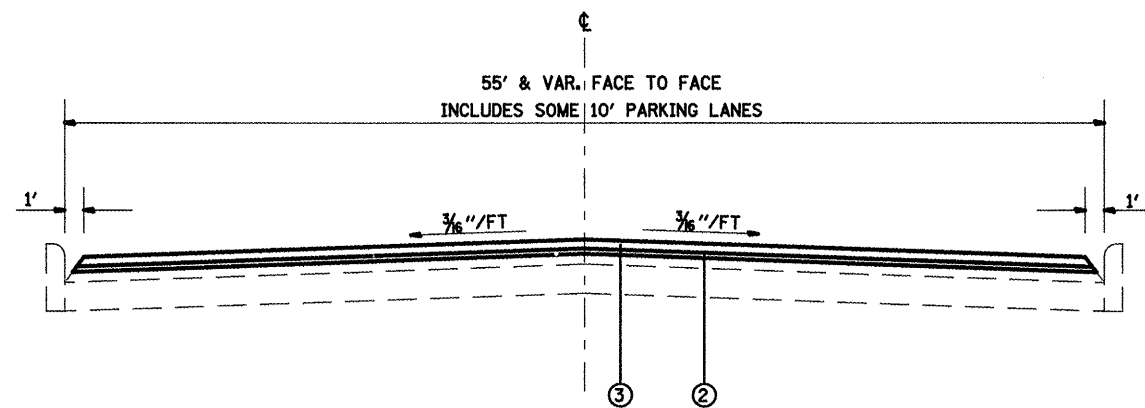
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	106,107,108,109/RS-3	MARION	47	6
CONTRACT NO. 76B75				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



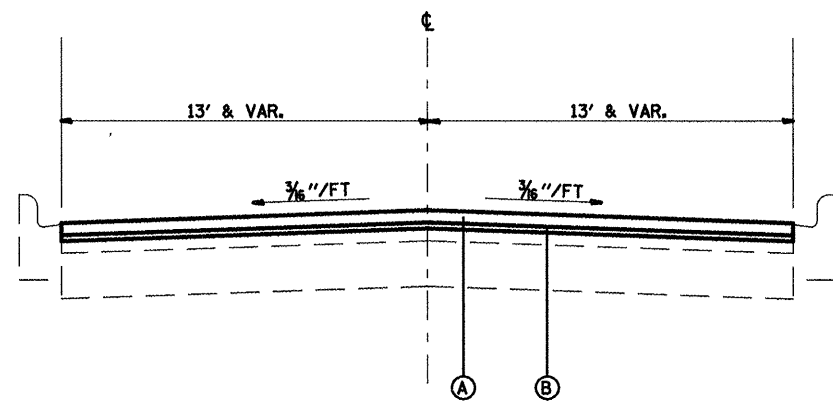
TANGENT SECTION
 STA. 539+25.53 TO STA. 553+41.20
 STA. 558+84.84 TO STA. 562+27.73



TANGENT SECTION
 STA. 584+56.46 TO STA. 591+82



TANGENT SECTION
 STA. 553+41.20 TO STA. 558+84.84



TANGENT SECTION
 STA. 562+27.73 - 584+56.46

- LEGEND**
- (A) PROP. HMA SURFACE COURSE, MIX D, N70, 1-1/2"
 - (B) PROP. LEVELING BINDER (MM), N70, 3/4"
 - (C) PROP. HMA SHOULDERS, 2-1/4"
 - (D) PROP. AGGREGATE WEDGE SHOULDER, TYPE B, 1-1/2"

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

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

*FAS 2826/FAU 0565

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	106,107,108,109IRS-3	MARION	47	7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76B75	

MAINLINE RESURFACING										
	HMA SURF REM - BT JT	TEMP RAMP	HMA SURF REM, 1-1/2"	HMA SURF REM, 2-1/4"	AGG (PRIME COAT)	BIT MAT (PRIME COAT)	LEVELING BINDER (MM), N70	HMA SURFACE COURSE, MIX D, N70	HMA SHOULDERS	AGG WEDGE SHOULDER, TYPE B
	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	TON	TON	TON
STA. 0+00 - 120+58	146.6	24.4	29328.4		88.4	18.4	1234.9	2475.9		348.4
S.N. 061-0087										
STA. 121+19 - 411+97.31	173.3	25.4	70229.0	1559.1	215.7	45.1	3013.4	6032.9	36.8	822
S.N. 061-0089										
STA. 414+05.51 - 452+15.11	100.0	13.3	10078.9		30.7	6.5	426.7	853.4	8.4	106.8
STA. 452+15.11 - 539+31.53	140.0	23.3	21500.6	11457.0	88.3	18.30	1163.8	2327.7	425.0	142
RR OMISSION										
STA. 539+41.83 - 592+00	158.1	23.3		19567.5	61.4	11.8	822.1	1643.4		
STA. 592+00 - 635+00	80.0	13.3	10651.0		32.4	6.80	450.7	901.3		123.1
PARKING LANES				656.2	1.8	0.40	27.6	55.1		
TOTALS	798.0	123.0	141787.9	33239.8	518.7	107.30	7139.2	14289.7	470.2	1542.3

GUARDRAIL			
LOCATION	GUARDRAIL REMOVAL	SPBGR, TYPE A, 6.75' POSTS	GUARDRAIL MARKERS, TYPE A
	FOOT	FOOT	EACH
NW QUAD. S.N. 061-0087	37.5	37.5	1

*FAS 2826/FAU 8565

SIDEROAD RESURFACING					
	HMA SURF REM - BT JT	TEMP RAMP	BIT MAT (PRIME COAT)	AGG (PRIME COAT)	INCIDENTAL HMA SURF
	SQ YD	SQ YD	TON	TON	TON
KELL RD. (EAST & WEST)	45.6	42.8	0.01	0.1	3.8
CROWLEY RD. (EAST & WEST)	45.6	43.0	0.01	0.1	3.8
IL 161 (EAST & WEST)		78.9			
CARTER RD. (EAST & WEST)	45.6	43.0	0.01	0.1	3.8
SASSAFRAS RD. (EAST)	22.8	21.4	0.01		1.9
LEVFE RD. (WEST)	22.8	21.6	0.01		1.9
HARRIS RD. (EAST)	22.8	21.4	0.01		1.9
ENGLAND RD. (EAST & WEST)	45.6	43.0	0.01	0.01	3.8
BROWN LN. (WEST)	22.8	21.6	0.01		1.9
CHURCH RD. (EAST & WEST)	45.6	42.8	0.01	0.01	3.8
PINEWOOD PL. (EAST)	22.8	21.4	0.01		1.9
LAKESHORE DR. (EAST)	22.8	21.4	0.01		1.9
HILLCREST DR. (EAST)	22.8	21.4	0.01		1.9
C J HECK RD. (EAST)	22.8	21.4	0.01		1.9
LAKE ST. (EAST & WEST)	112.4	77.8	0.04	0.2	14.2
WELLS ST. (WEST)		50.0			
BLAIR ST. (EAST)		24.4			
COMMERCIAL ST. (EAST & WEST)		77.8			
SONGER ST. (EAST)		38.9			
MITCHELL ST. (EAST & WEST)		71.2			
WHITTACKER (WEST)		35.6			
LOCUST ST. (EAST & WEST)		71.2			
ELM ST. (EAST & WEST)		71.2			
CHURCH ST. (EAST & WEST)		77.8			
MCMACKIN (EAST & WEST)		72.2			
MAIN ST. (EAST & WEST)		77.8			
SCHWARTZ (EAST & WEST)		72.2			
SUBTOTALS	522.8	1283.2	0.17	0.7	48.4

SIDEROAD RESURFACING - CON'T.					
	HMA SURF REM - BT JT	TEMP RAMP	BIT MAT (PRIME COAT)	AGG (PRIME COAT)	INCIDENTAL HMA SURF
	SQ YD	SQ YD	TON	TON	TON
OLIVE ST. (EAST)		33.3			
WARMOTH (WEST)		22.2			
ALLMON ST. (WEST)		22.2			
OGLESBY ST. (EAST)		33.3			
BENNETT ST. (EAST)		33.3			
BOONE ST. (EAST)	50.0	66.7	0.02	0.1	6.3
ALLEY ST. (EAST & WEST)		53.4			
ROGERS ST. (EAST)		33.3			
SENEFF ST. (EAST)	63.8	33.3	0.02	0.1	7.8
PARK ST. (EAST)	19.7	21.6	0.01		1.7
WILLIAMS ST. (EAST)	20.6	18.3	0.01		1.7
RINKER ST. (WEST)	20.6	18.3	0.01		1.7
BRYAN ST. (EAST)	20.6	18.3	0.01		1.7
SCHOONOVER ST. (EAST)	20.6	18.3	0.01		1.7
LAKE DALE DR. (WEST)	20.0	17.2	0.01		1.7
ENTRANCES			0.37	1.8	49.4
SUBTOTALS	235.9	443.0	0.47	2.0	73.7
COLUMN 1	522.8	1167.6	0.17	0.7	48.4
TOTALS	1117.9	1911.5	0.64	2.7	122.1

PAVEMENT MARKING													
LOCATION	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS		THERMOPLASTIC PAVEMENT MARKING - LINE 4"						THERMO PAV'T MARK - LINE 8"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"		THERMO PAV'T MARK - LINE 24"	
	TURN ARROWS	RR CROSSING	EDGELINES	MEDIAN	TURN LANES	NO PASSING	SKIP-DASH	PARK LANES	ISLANDS	CROSSWALK	CHEVRONS	CHEVRONS	STOP BARS
	WHITE	WHITE	WHITE	YELLOW	WHITE	YELLOW	YELLOW	WHITE	WHITE	WHITE	YELLOW	WHITE	WHITIE
	SQ FT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
STA 0+00 - 452+15.11			88026.2			14026.0	10760.0		316.0		186.6		120.0
STA 452+15.11 - 539+36.43		61.2	16958.8			196.0	2180.0						45.0
STA 539+36.43 - 591+82	70.4	61.2	1379.0	2238.8	267.0	573.0	1050.0	713.0		439.5	79.4		129.0
STA. 591+82 - 635+00			8254.0				1080.0			92.6			
SUB-TOTALS	70.4	122.4	114618.0	2238.8	267.0	14798.0	15070.0	713.0	316.0	532.1	266		174.0
TOTALS	192.8		147704.8						316.0	798.1		294.0	

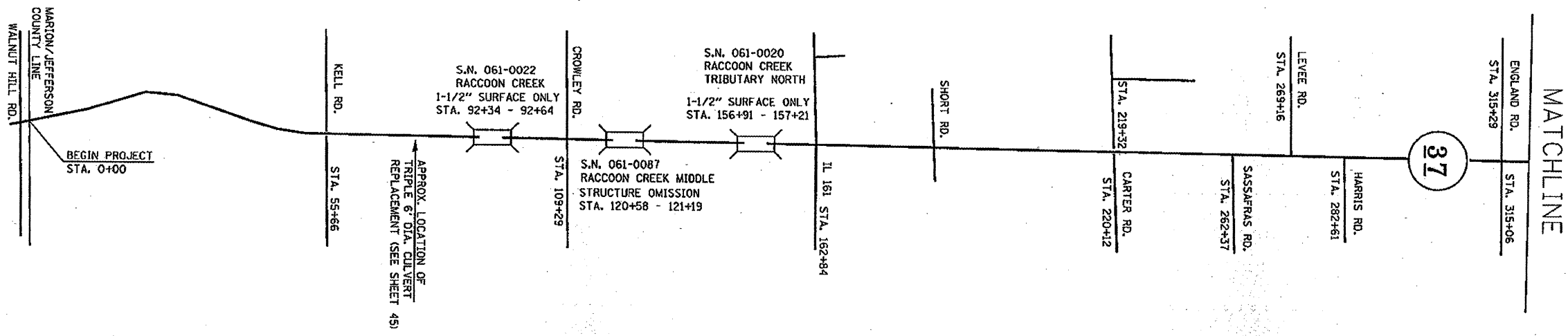
LOCATION	SHORT-TERM PAVEMENT MARKING (3 APPS.)	WORK ZONE PAVEMENT MARKING REMOVAL
	FOOT	SQ FT
STA 0+00 - 452+15.11	12336	1370.5
STA 452+15.11 - 551+17	5472	608.0
STA 551+17 - 560+90	828	92.0
STA 560+90 - 635+00	2028	225.3
TOTALS	20664	2295.8

LOCATION	RRPM REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER		
		1-WAY	1-WAY	2-WAY
		AMBER	CRYSTAL	AMBER
	EACH	EACH	EACH	EACH
STA 0+00 - 452+15.11	566			566
STA 452+15.11 - 539+36.43	110			110
STA 539+36.43 - 591+82	181	70	12	54
STA. 591+82 - 635+00	54			54
SUB-TOTALS	911	70	12	784
TOTALS	893	866		

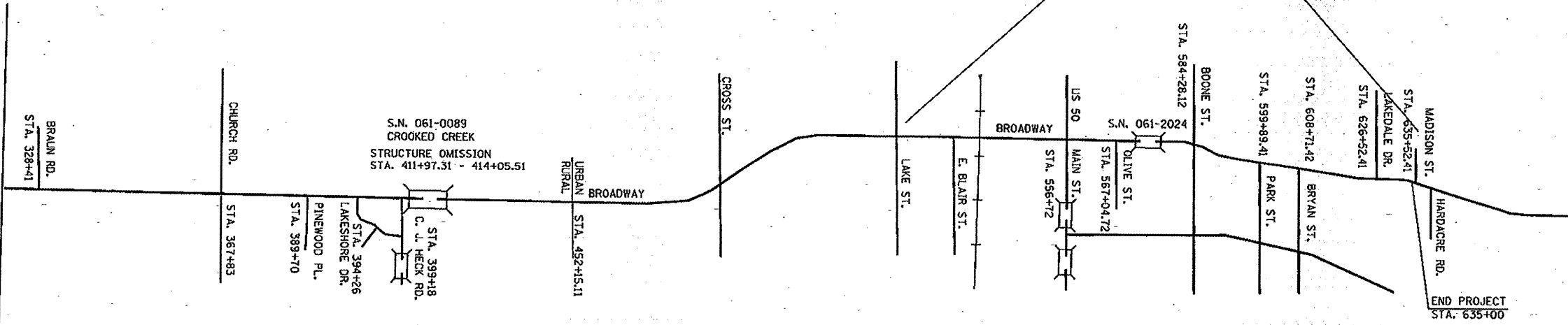
MANHOLE/WATER VALVE ADJUSTMENTS			
LOCATION		MANHOLE	WATER VALVE
MITCHELL ST. TO WHITTAKER ST.	SB	2	
ELM ST. TO CHURCH ST.	NB	2	
CHURCH ST. TO MCMACKIN ST.	NB	1	
	SB		1
MAIN ST. TO SCHWARTZ ST.	SB		1
SCHWARTZ ST. TO ALLEY ST.	NB	1	
	SB	1	
OLIVE ST. TO WARMOTH ST.	NB	1	
	SB	1	
ALLMOM ST. TO OGLESBY ST.	NB		1
	SB	2	
TOTALS		11	3

PAVEMENT PATCHING						
LOCATION	SIZE	13"			16"	
		TYPE II SQ YD	TYPE III SQ YD	TYPE IV SQ YD	TYPE II SQ YD	TYPE III SQ YD
WALNUT HILL RD.	SB 12 X 20			26.7		
	SB 12 X 20			26.7		
KELL RD. TO	NB 12 X 12		16.0			
	NB 12 X 12		16.0			
CROWLEY RD.	NB 12 X 70			93.3		
	NB 12 X 12		16.0			
	NB 12 X 12		16.0			
TO	NB 12 X 15		20.0			
	NB 12 X 80			106.7		
IL 161	NB 12 X 12		16.0			
	SB 12 X 12		16.0			
	SB 12 X 12		16.0			
TO	SB 12 X 12		16.0			
	SB 12 X 12		16.0			
	SB 12 X 12		16.0			
CARTER RD.	SB 6 X 12	8.0				
	SB 6 X 12	8.0				
CARTER RD. TO SASSAFRASS RD.	SB 12 X 12		16.0			
	SB 6 X 12	8.0				
	SB 12 X 12		16.0			
SASSAFRASS RD.	SB 12 X 20			26.7		
	NB 12 X 12		16.0			
HARRIS RD.	SB 6 X 12	8.0				
	SB 6 X 12	8.0				
	SB 6 X 12	8.0				
BROWN LN. TO CHURCH RD.	SB 12 X 12		16.0			
CHURCH RD. TO PINWOOD PL.	NB 12 X 20			26.7		
	SB 12 X 20			26.7		
PINWOOD PL. TO LAKESHORE DR.	SB 12 X 12		16.0			
HILLCREST DR. TO	NB 12 X 12		16.0			
	SB 6 X 12	8.0				
	NB 12 X 50			66.7		
	NB 12 X 30			40.0		
	SB 12 X 30			40.0		
	NB 12 X 50			66.7		
	NB 12 X 25			33.3		
	NB 12 X 20			26.7		
	NB 12 X 50			66.7		
	NB 12 X 12		16.0			
	NB 6 X 12	8.0				
CITY LIMITS TO	NB 6 X 12	8.0				
	NB 6 X 12	8.0				
	SB 6 X 12	8.0				
	NB 12 X 16		21.3			
	SB 12 X 16		21.3			
W WELLS ST. TO	NB 12 X 12		16.0			
	NB 6 X 12	8.0				
	NB 12 X 12		16.0			
BLAIR ST.	SB 12 X 12		16.0			
SUB-TOTALS		96.0	382.6	673.6		

PAVEMENT PATCHING - CONT'D.						
LOCATION	SIZE	13"			16"	
		TYPE II SQ YD	TYPE III SQ YD	TYPE IV SQ YD	TYPE II SQ YD	TYPE III SQ YD
BLAIR ST.	SB 6 X 12	8.0				
	SB 12 X 16		21.3			
TO	NB 12 X 12		16.0			
	SB 4 X 12	5.3				
COMMERCIAL ST.	NB 4 X 12	5.3				
	NB 12 X 35			46.7		
LOCUST ST.	SB 12 X 12					16.0
	NB 4 X 12				5.3	
ELM ST. TO CHURCH ST.	SB 4 X 12				5.3	
SCHWARTZ ST.	SB 12 X 12					16.0
TO	NB 12 X 12					16.0
	SB 12 X 12					16.0
BENNETT ST. TO BOONE	SB 12 X 12		16.0			
SENEFF ST. TO PARK ST.	SB 4 X 60			26.7		
	SB 6 X 12	8.0				
SCHOONOVER DR. TO LAKE DALE DR.	SB 4 X 12	5.3				
LAKE DALE DR. TO MADISON ST.	NB 12 X 30			40.0		
IL 161	MEDIAN			389.6		
CULVERT REPLACEMENT @ COMMERCIAL ST.	6 X 50			33.3		
ANTICIPATED FAILURES (20%)		25.6	87.2	235.3	5.0	12.8
SUB-TOTALS (THIS CHART)		57.5	140.5	771.6	15.6	76.8
SUB-TOTAL (FIRST CHART)		96.0	382.6	673.6	0.0	0.0
TOTALS		153.5	523.1	1445.2	15.6	76.8

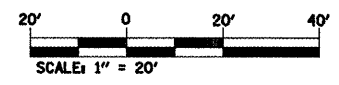
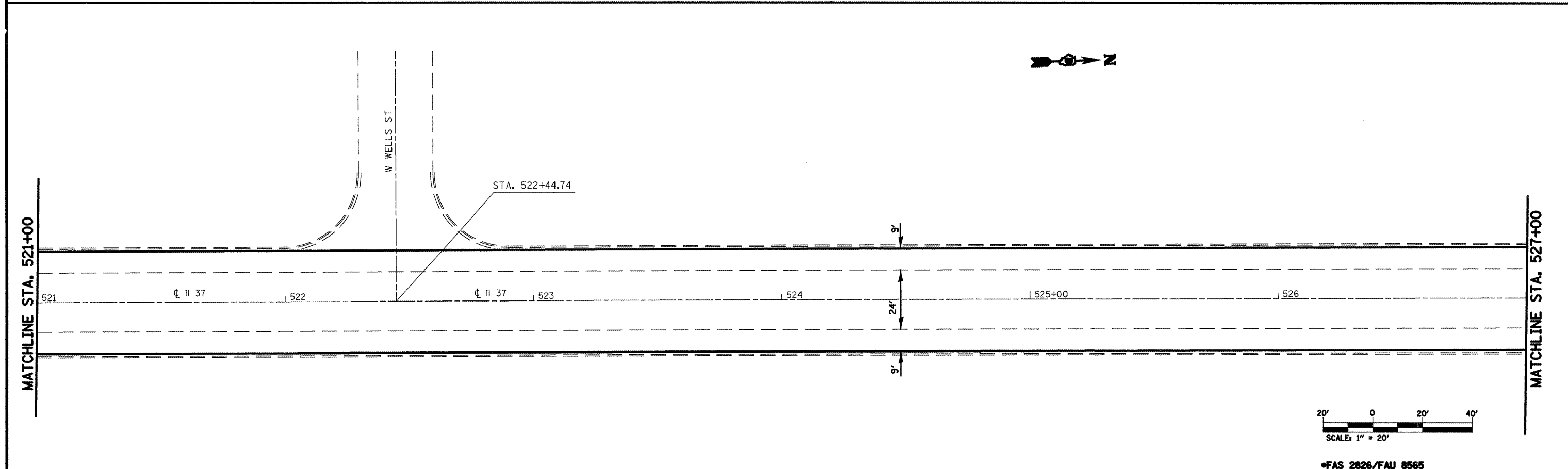
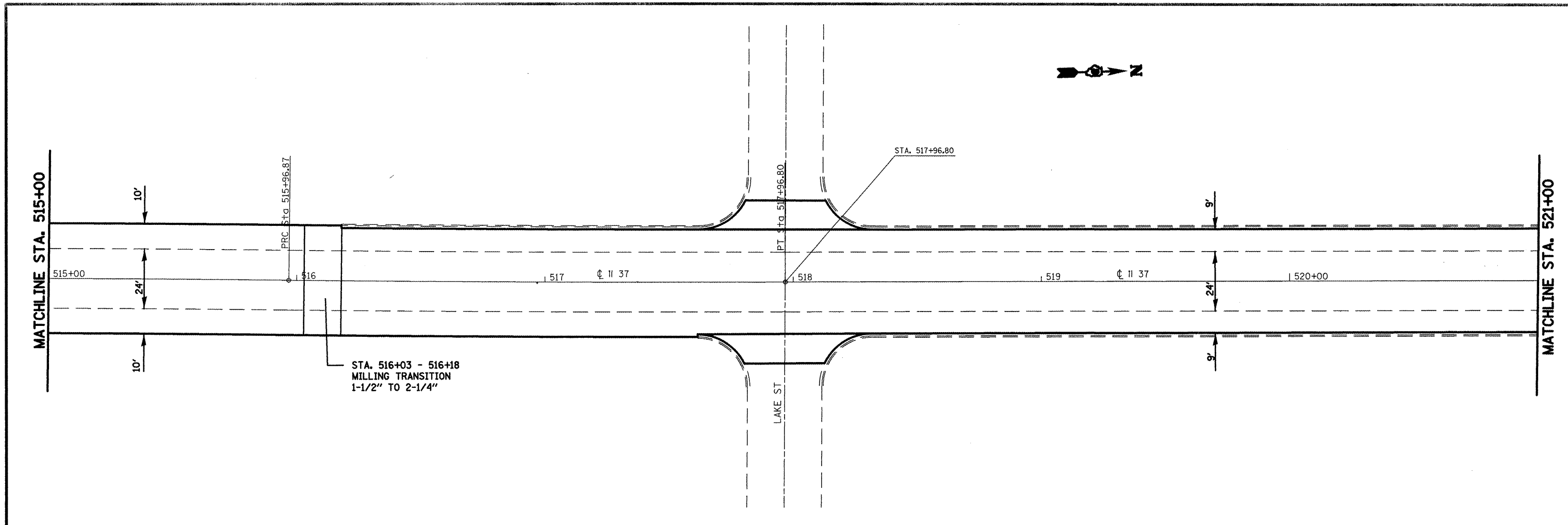


THIS AREA SHOWN ON PLAN SHEETS, PAGES 13-23

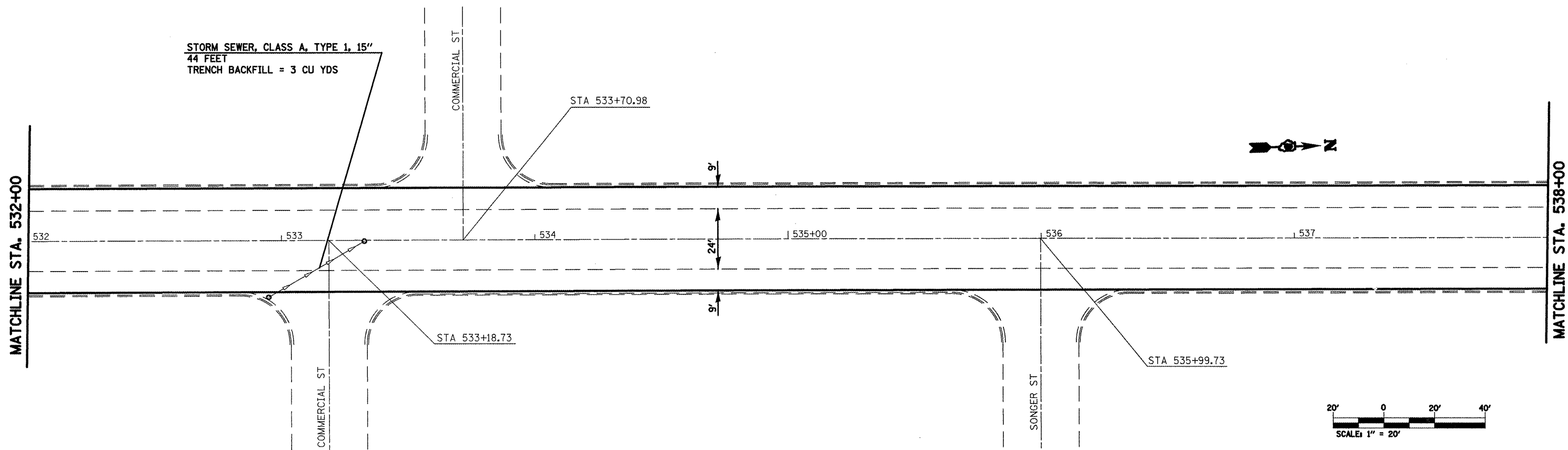
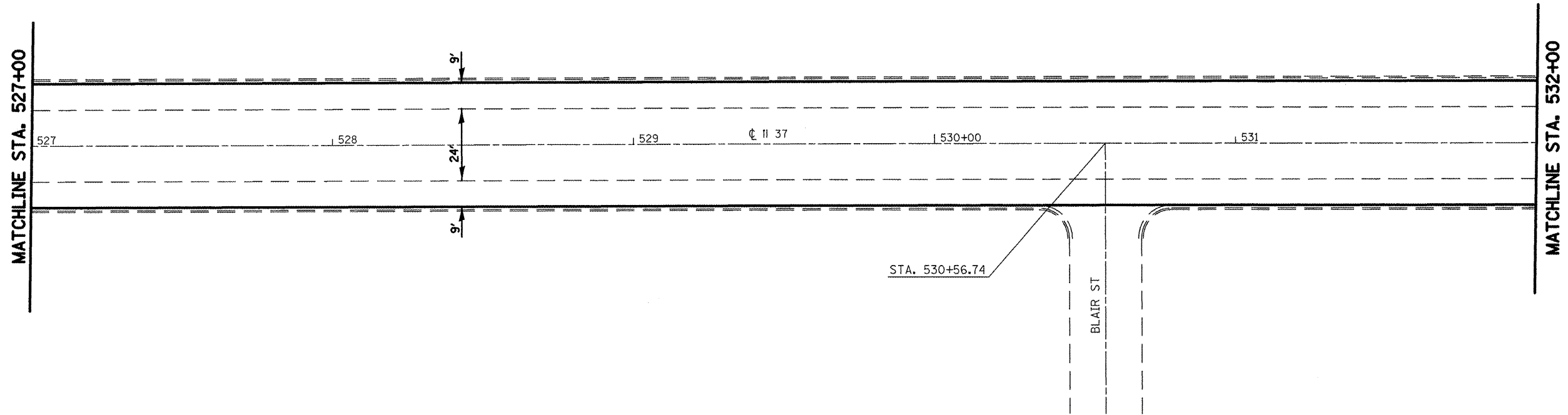


NOTE: NOT ALL SIDE ROADS ARE SHOWN ON THE LINE DIAGRAM

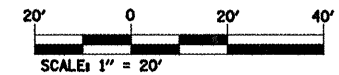
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		CHECKED -	REVISED -		SCALE: _____	SHEET NO. 1 OF 1 SHEETS	STA. _____ TO STA. _____	106,107,108,109,RS-3	MARION	47 12
		DATE -	REVISED -						CONTRACT NO. 76B75	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT										



FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 1/19/2010	DATE -	CHECKED -	REVISED -		CONTRACT NO. 76875						
					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						



STORM SEWER, CLASS A, TYPE 1, 15"
44 FEET
TRENCH BACKFILL = 3 CU YDS



•FAS 2826/FAU 8565

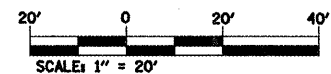
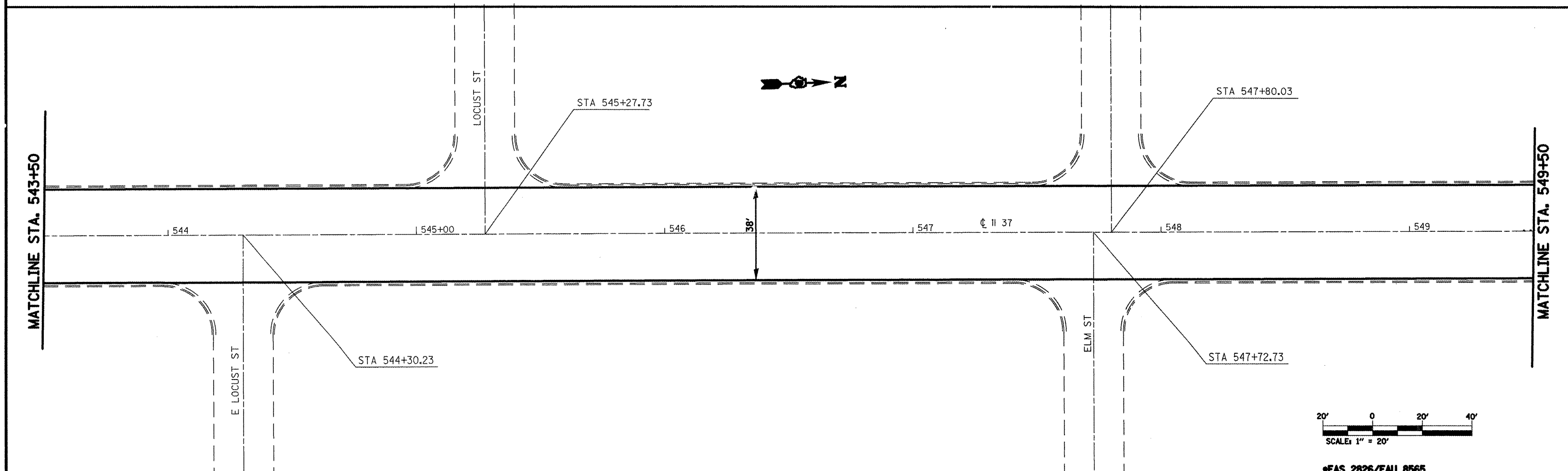
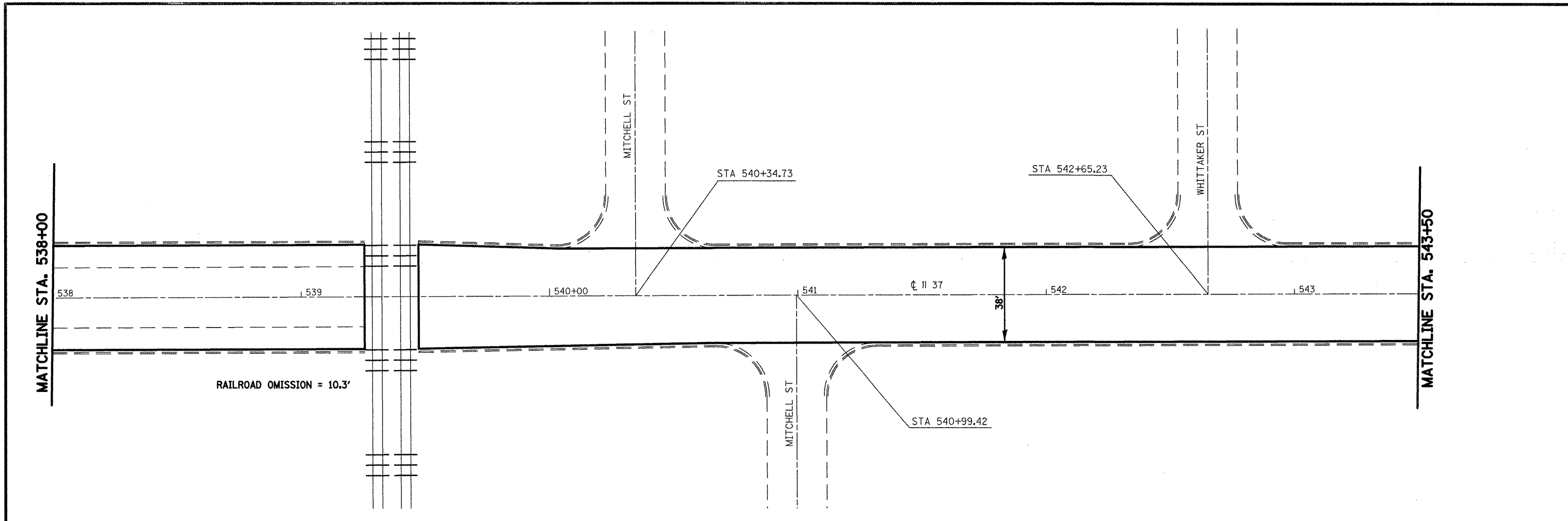
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		CHECKED -	REVISD -
		DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 2 OF 11 SHEETS STA. 527+00 TO STA. 538+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(106,107,108,109)RS-3	MARION	47	14
CONTRACT NO. 76B75				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



•FAS 2826/FAJ 8565

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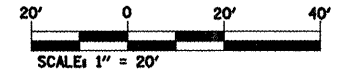
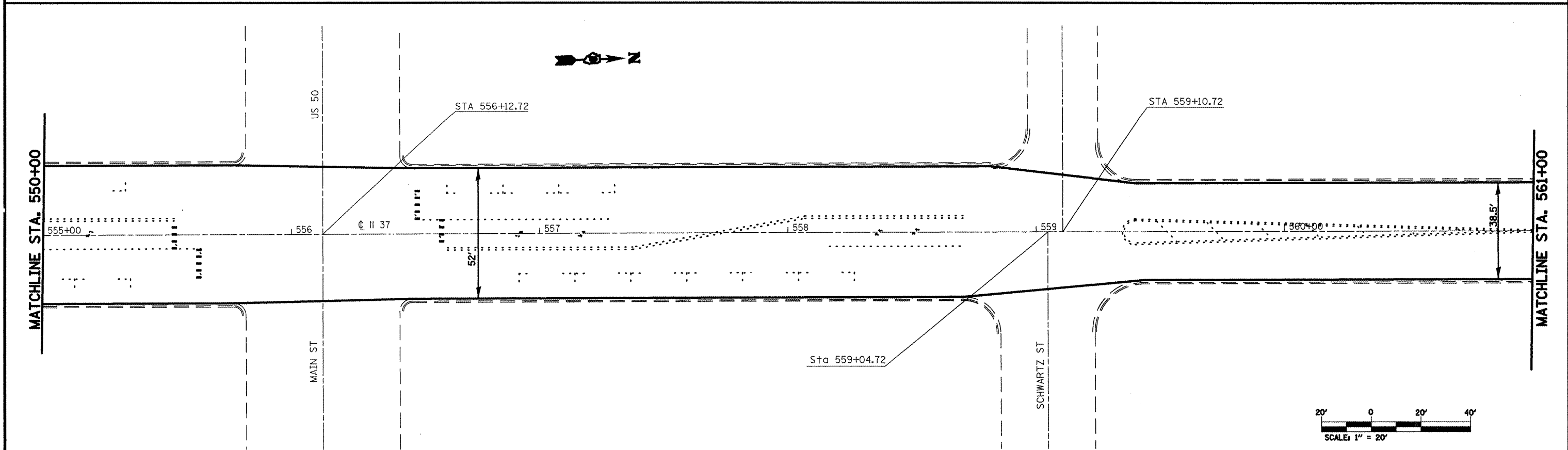
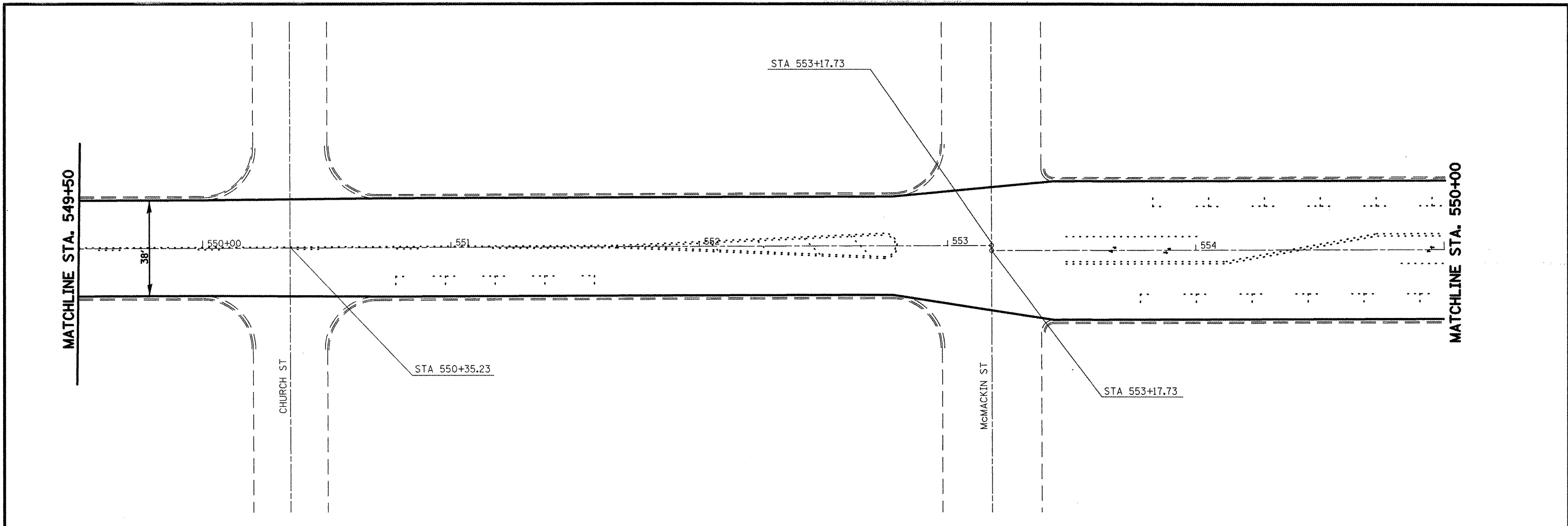
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DRAWN -	---	REVISED -	---
CHECKED -	---	REVISED -	---
DATE -	---	REVISED -	---

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 3 OF 11 SHEETS STA. 538+00 TO STA. 549+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(106,107,108,109)RS-3	MARION	47	15
CONTRACT NO. 76B75				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



•FAS 2826/FAU 8565

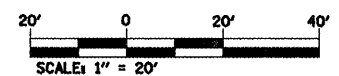
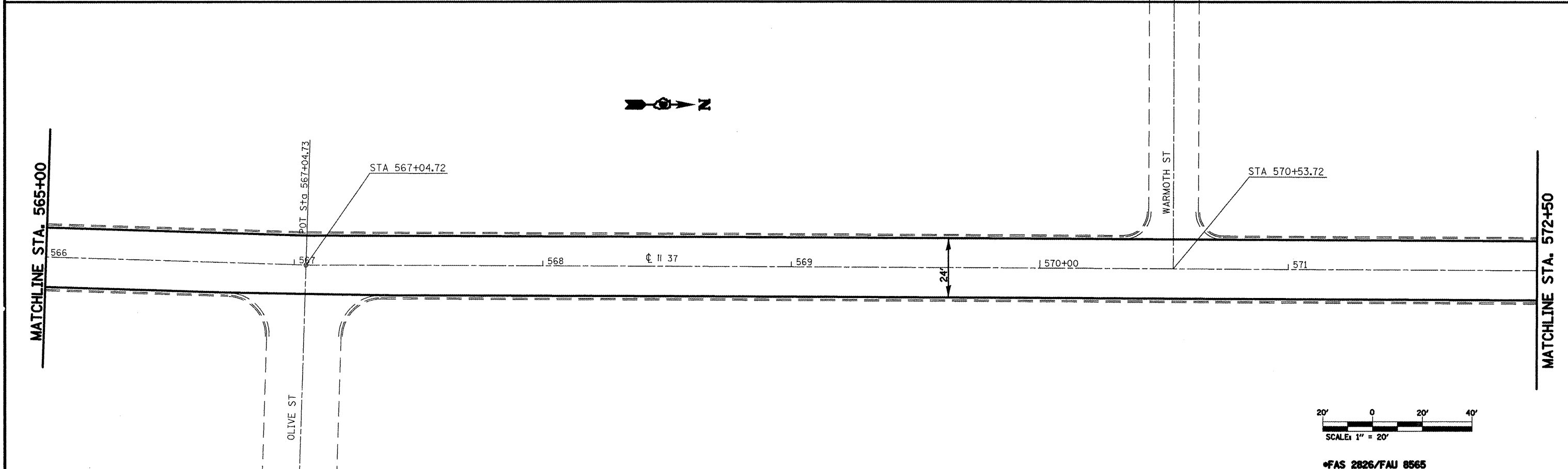
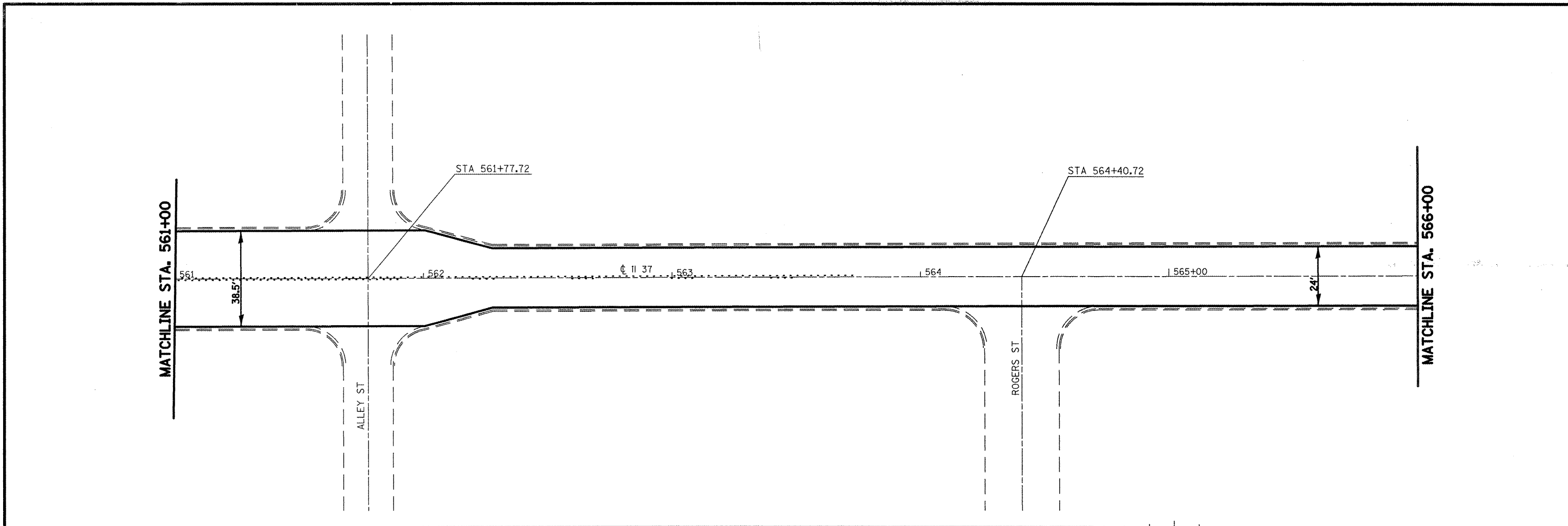
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	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 4 OF 11 SHEETS STA. 549+50 TO STA. 561+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(106,107,108,109)RS-3	MARION	47	16
CONTRACT NO. 76875				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



*FAS 2826/FAU 8565

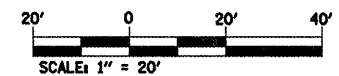
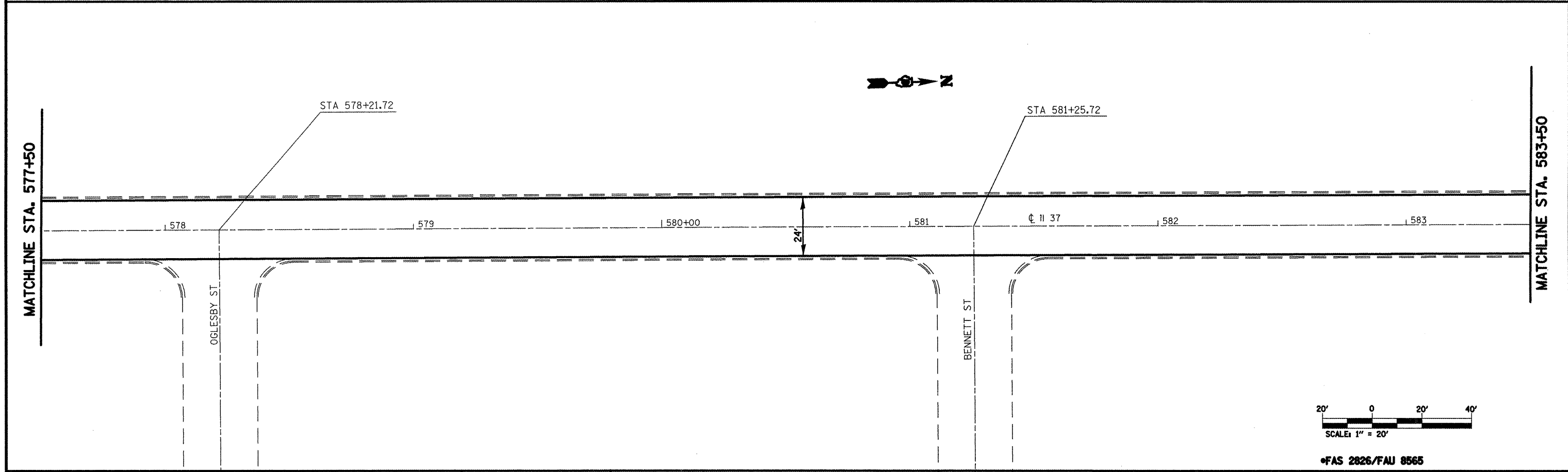
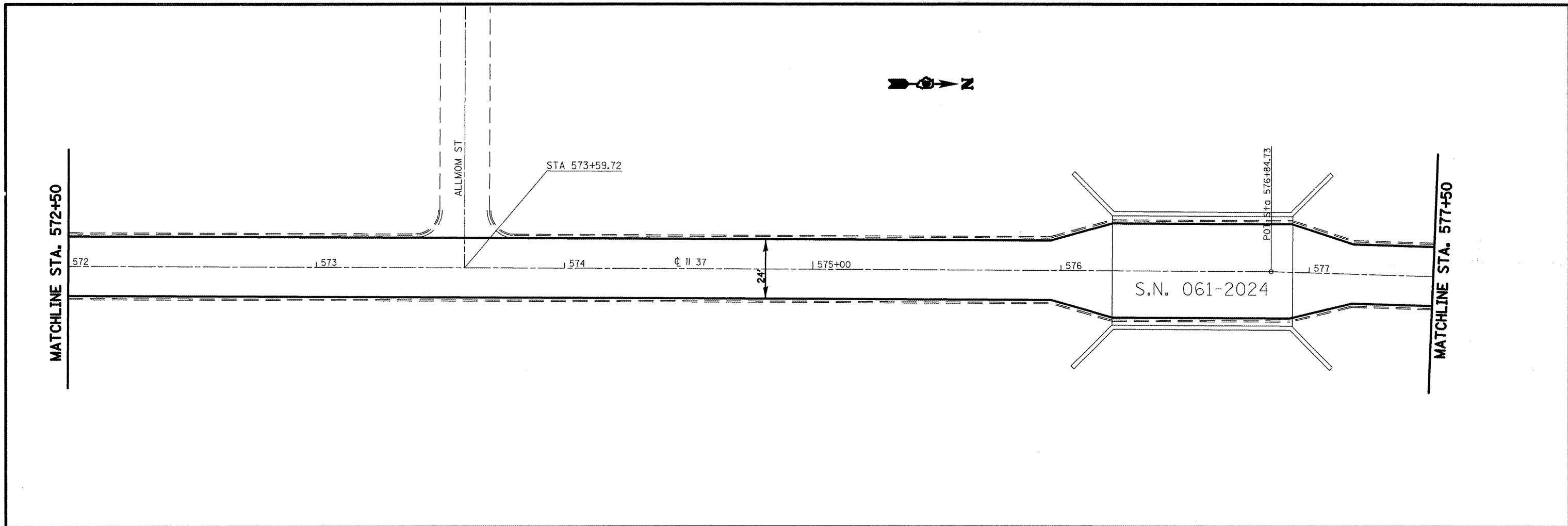
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PLOT DATE = 1/19/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 5 OF 11 SHEETS STA. 561+00 TO STA. 572+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(106,107,108,109)RS-3	MARION	47	17
CONTRACT NO. 76B75				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FAS 2826/FAJ 8565

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 PLOT DATE = 1/19/2010

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 CHECKED -
 DATE -

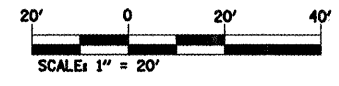
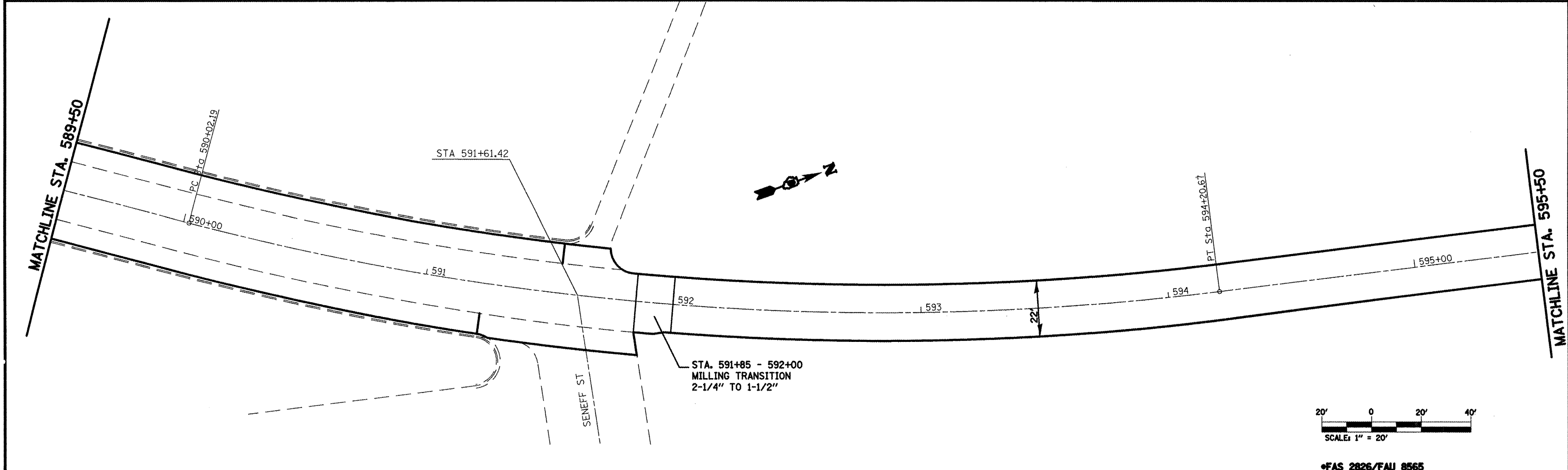
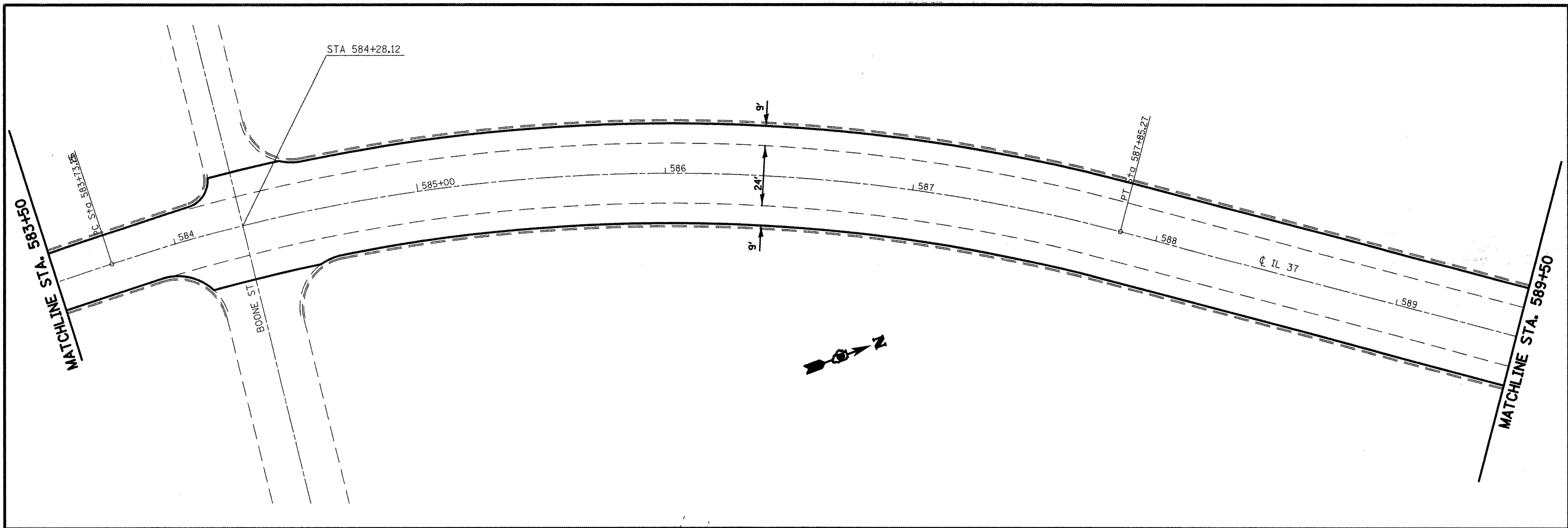
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 6 OF 11 SHEETS STA. 572+50 TO STA. 583+50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(106,107,108,109)RS-3	MARION	47	18
CONTRACT NO. 76875				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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PLOT DATE = 1/19/2010		DATE -	REVISED -

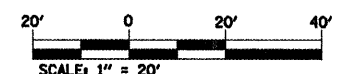
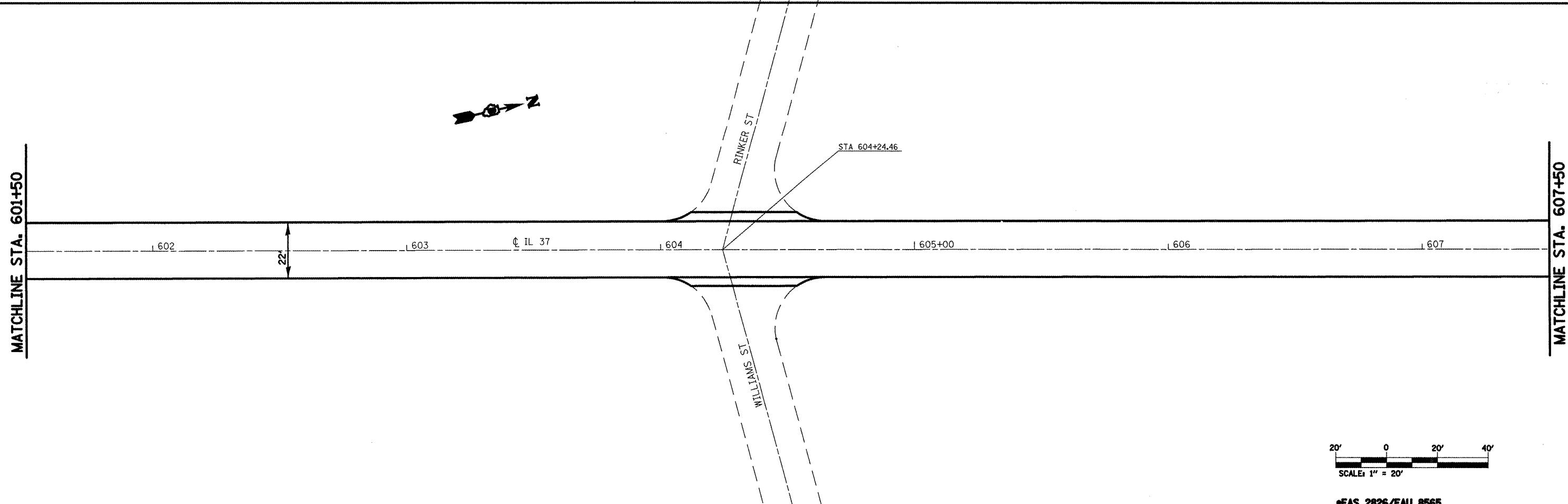
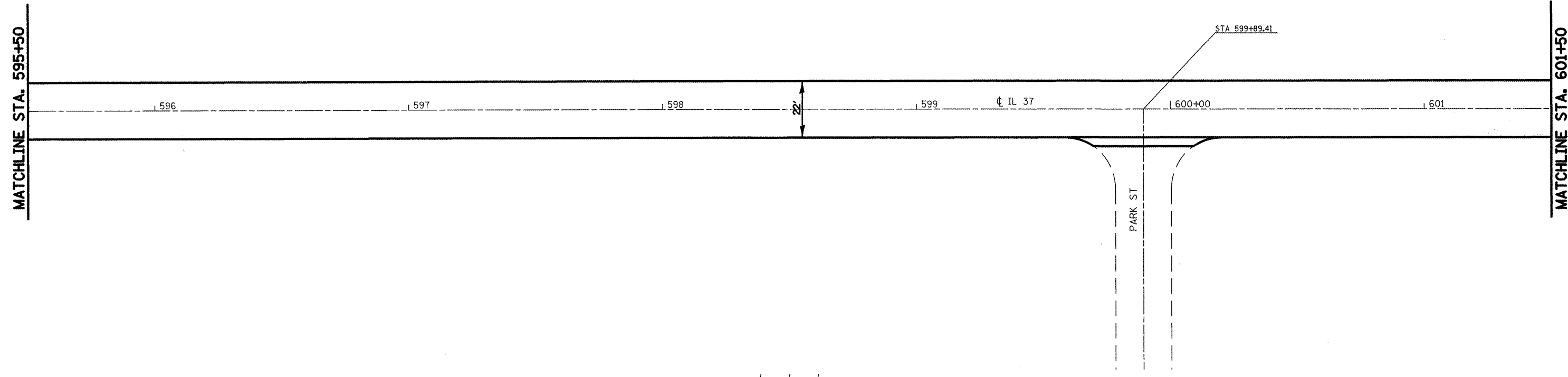
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 7 OF 11 SHEETS STA. 583+50 TO STA. 595+50

•FAS 2826/FAU 8565

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(106,107,108,109)RS-3	MARION	47	19
CONTRACT NO. 76875				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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 PLOT DATE = 1/19/2010

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

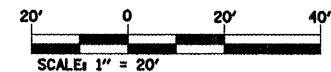
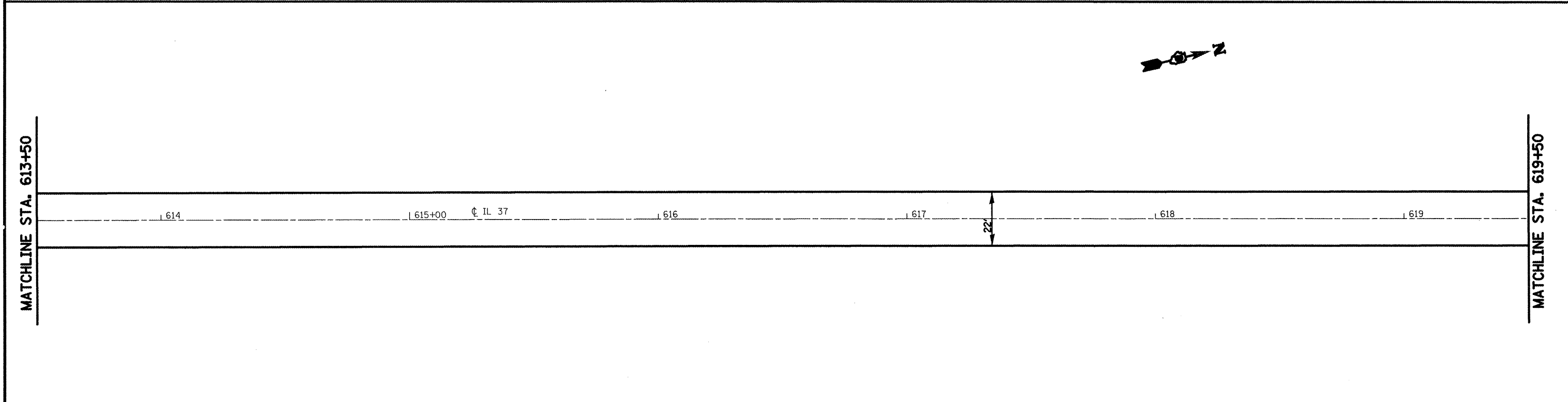
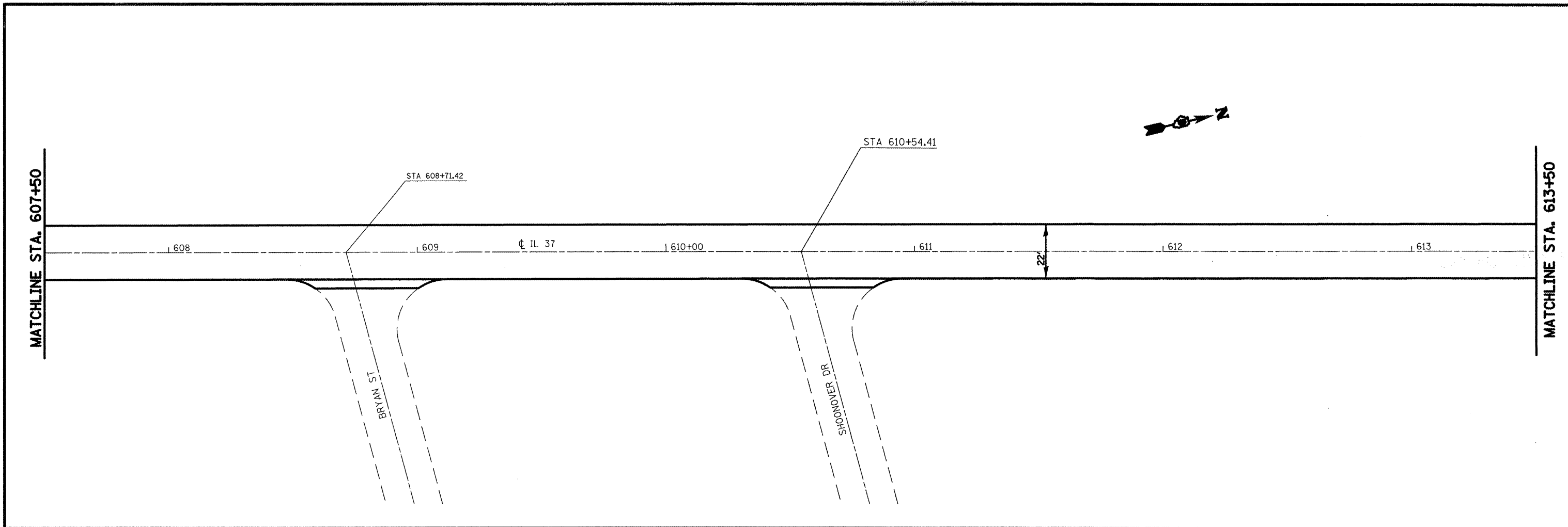
REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 8 OF 11 SHEETS STA. 595+50 TO STA. 607+50

*FAS 2826/FAU 8565				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(106,107,108,109)RS-3	MARION	47	20
CONTRACT NO. 76B75			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



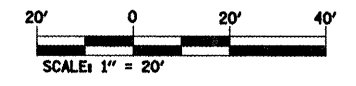
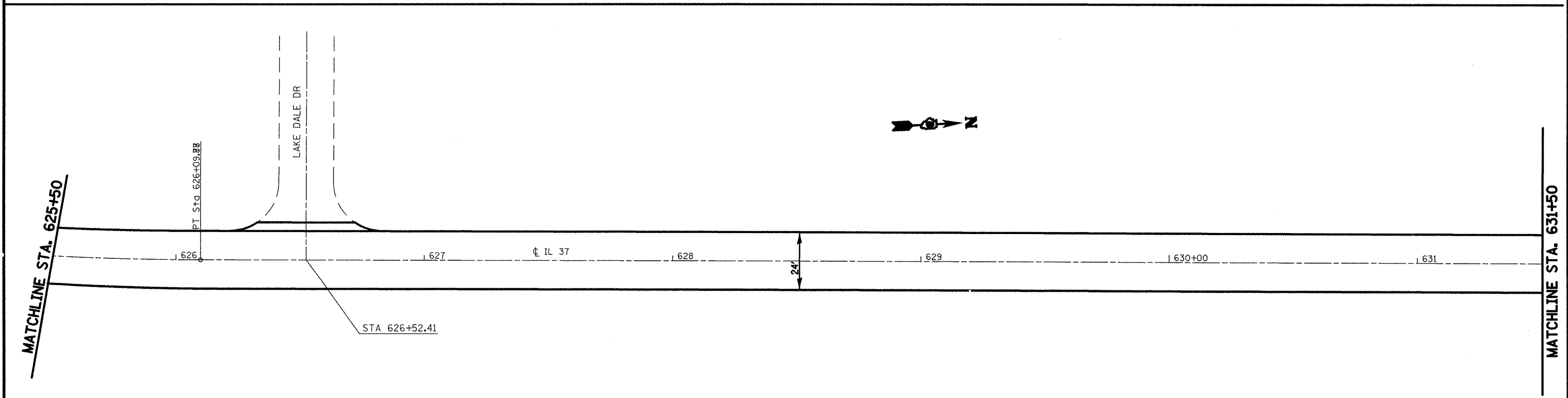
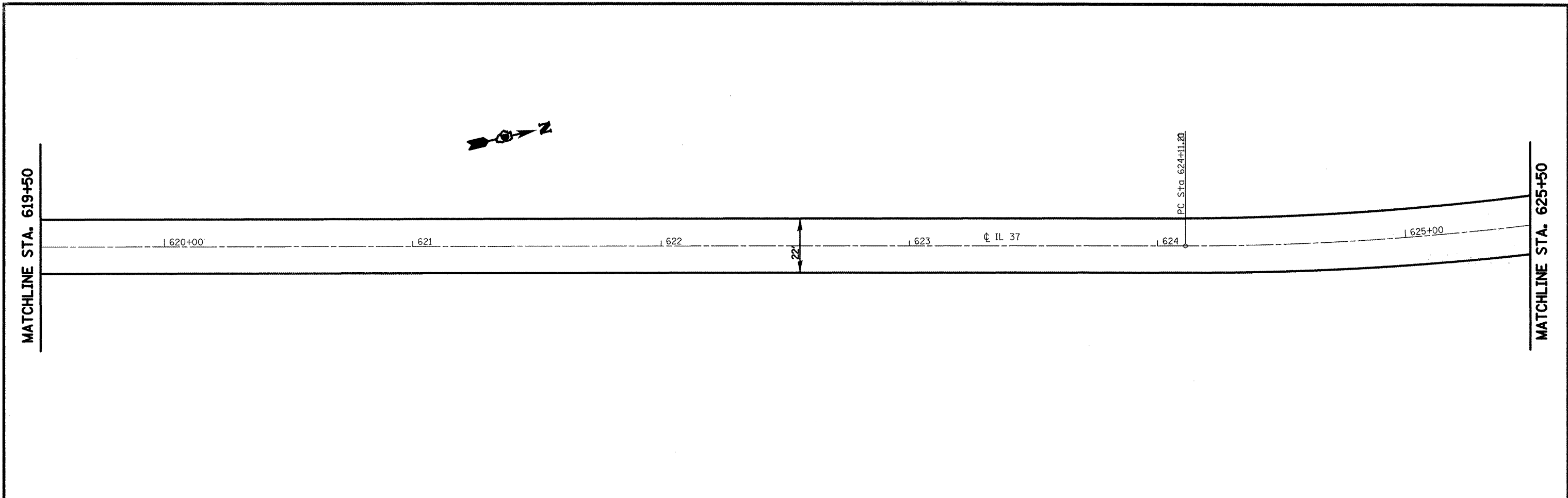
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	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 9 OF 11 SHEETS STA. 607+50 TO STA. 619+50

FAS 2826/FAU 8565			
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS
•	(106,107,108,109)RS-3	MARION	47 21
CONTRACT NO. 76875			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



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 PLOT DATE = 1/19/2010

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

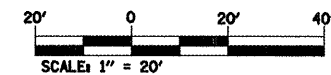
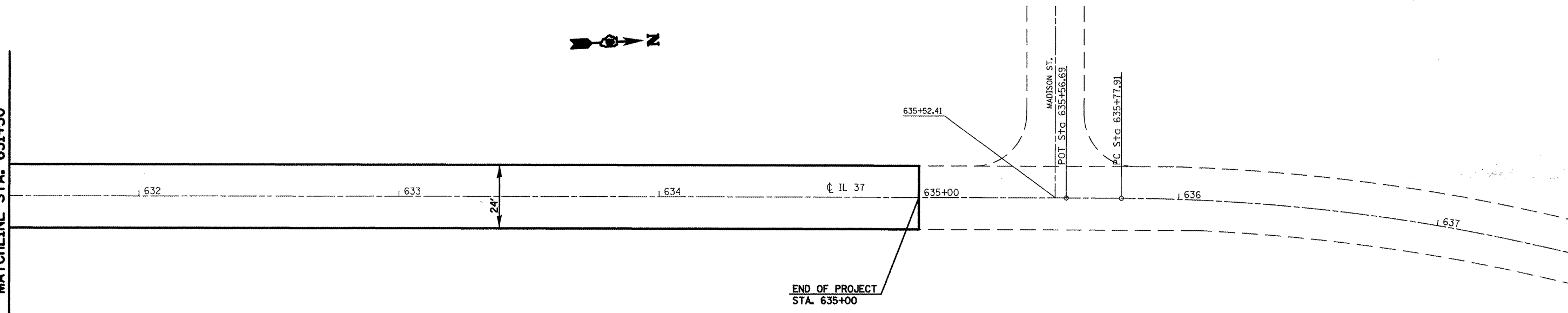
PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 10 OF 11 SHEETS STA. 619+50 TO STA. 631+50

*FAS 2826/FAU 8565		F.A.S. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE.	(106,107,108,109)RS-3	MARION	47	22	
CONTRACT NO. 76875					
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



MATCHLINE STA. 631+50



•FAS 2826/FAU 8565

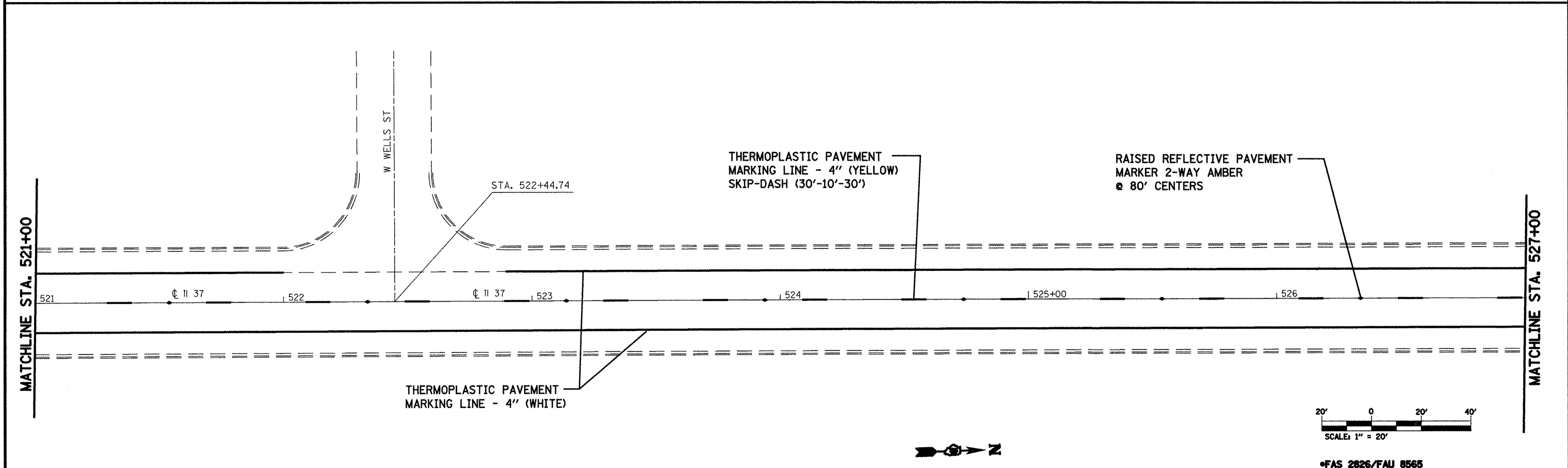
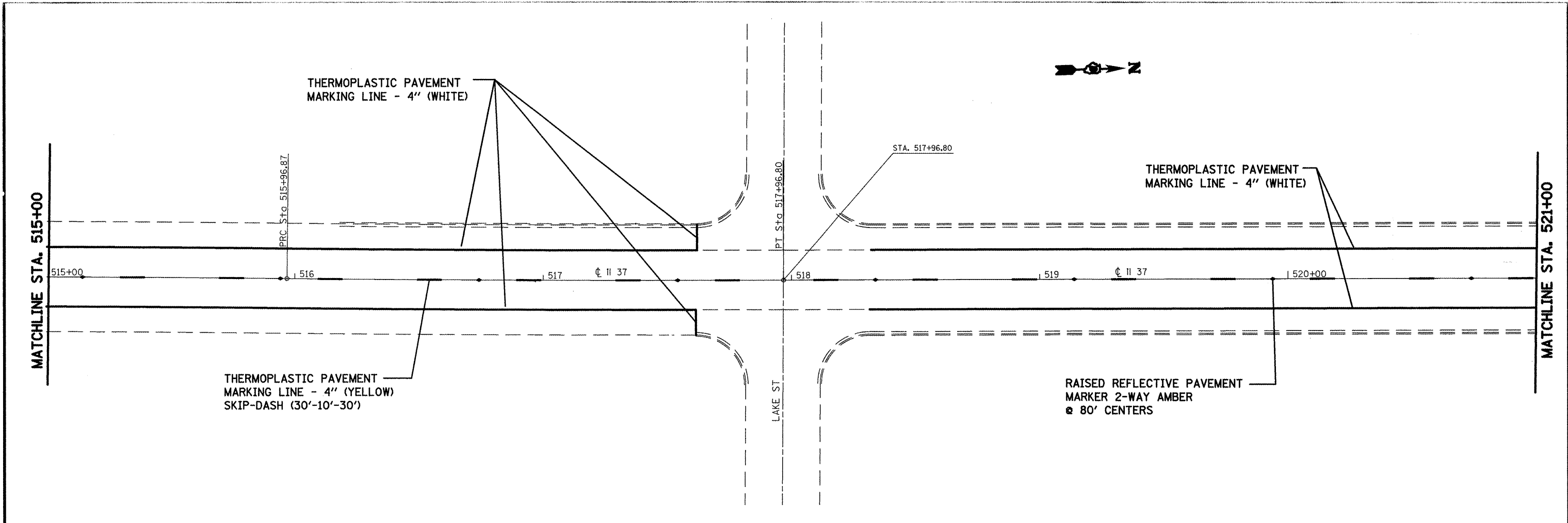
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	PLOT DATE = 1/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

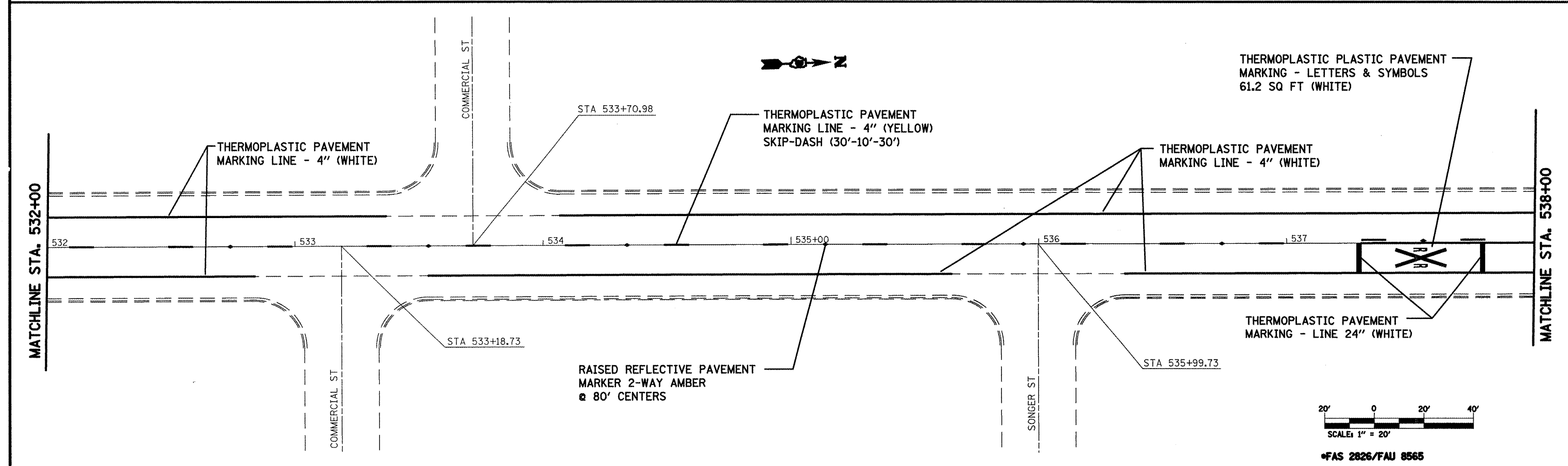
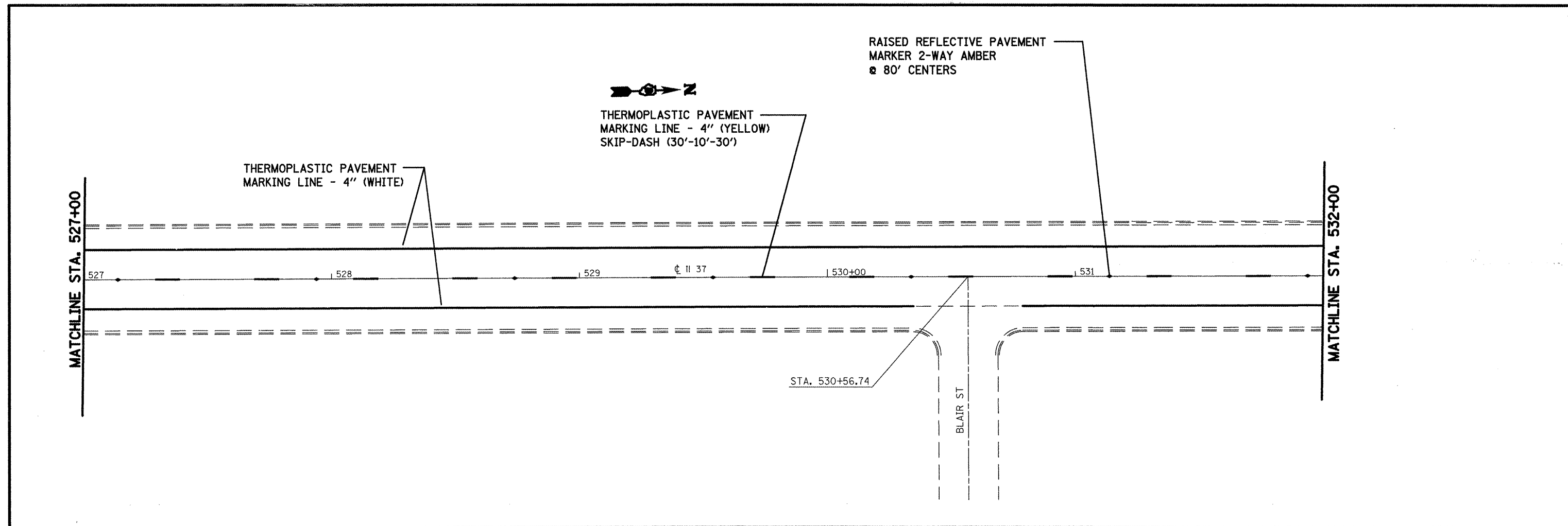
PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 11 OF 11 SHEETS STA. 631+50 TO STA. E.O.P.

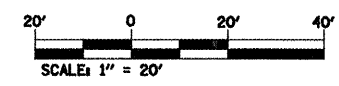
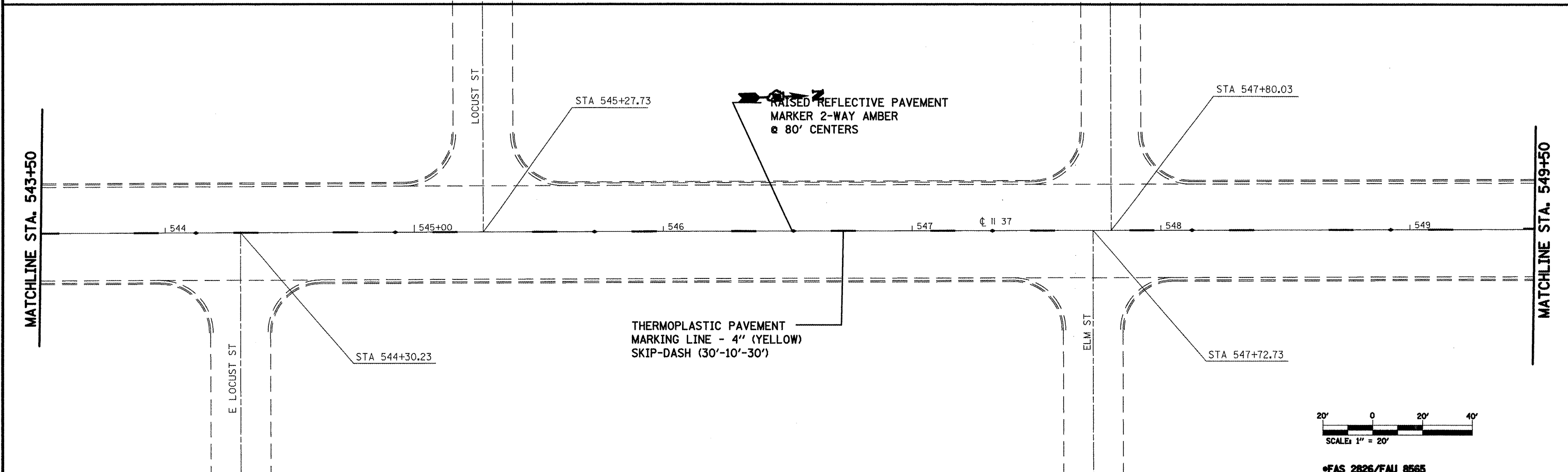
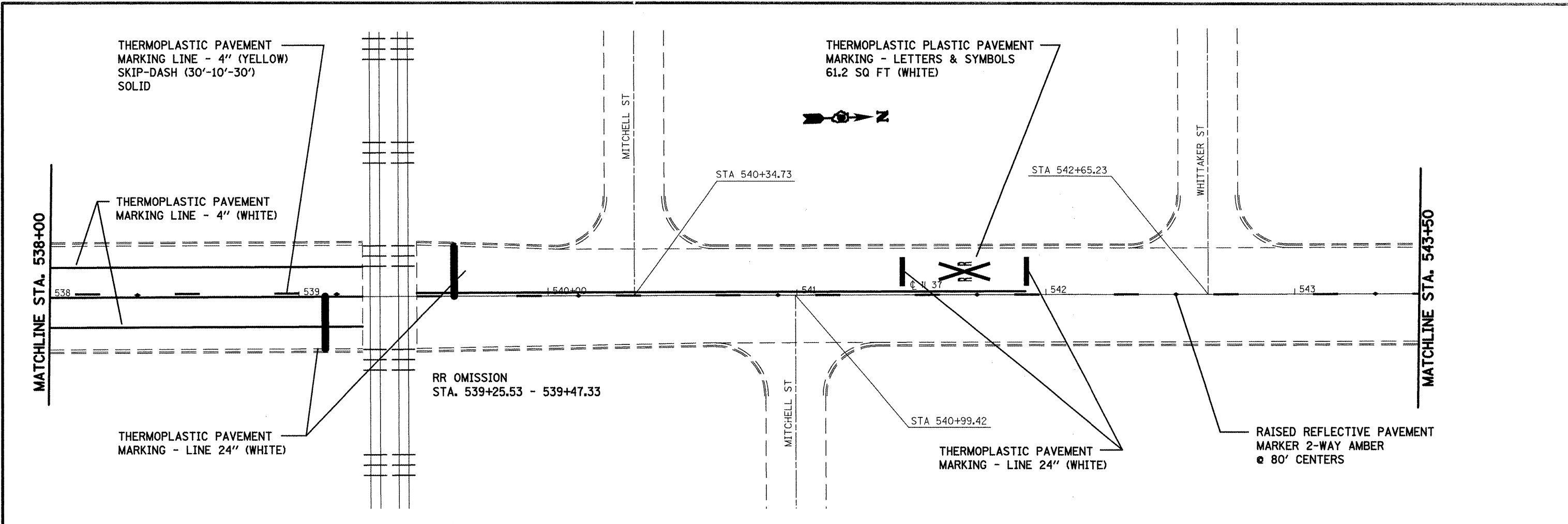
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(106,107,108,109)RS-3	MARION	47	23
CONTRACT NO. 76875				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



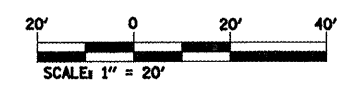
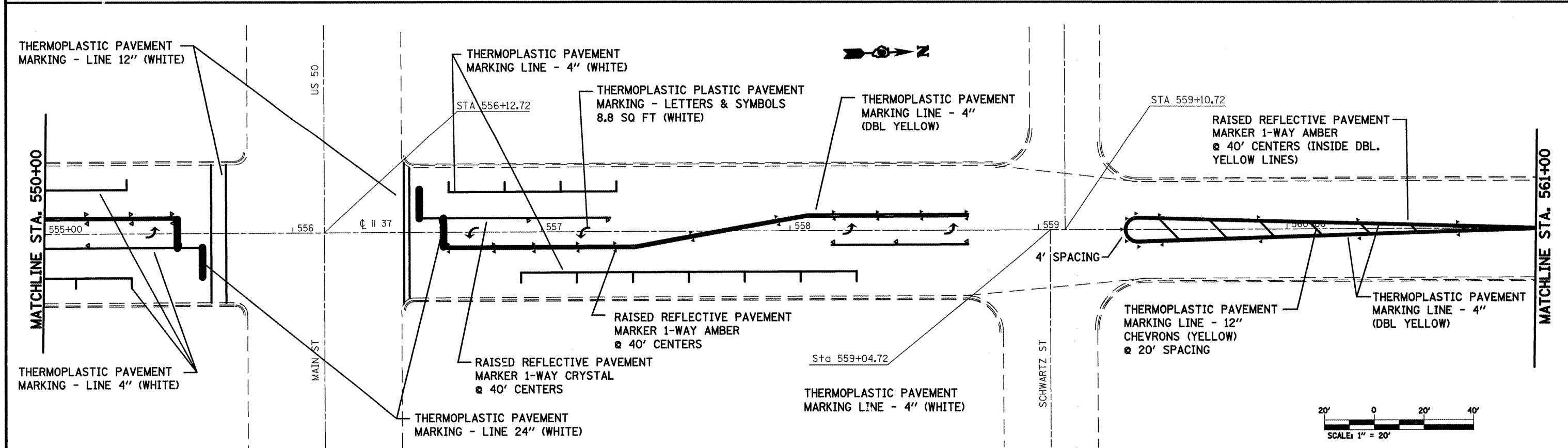
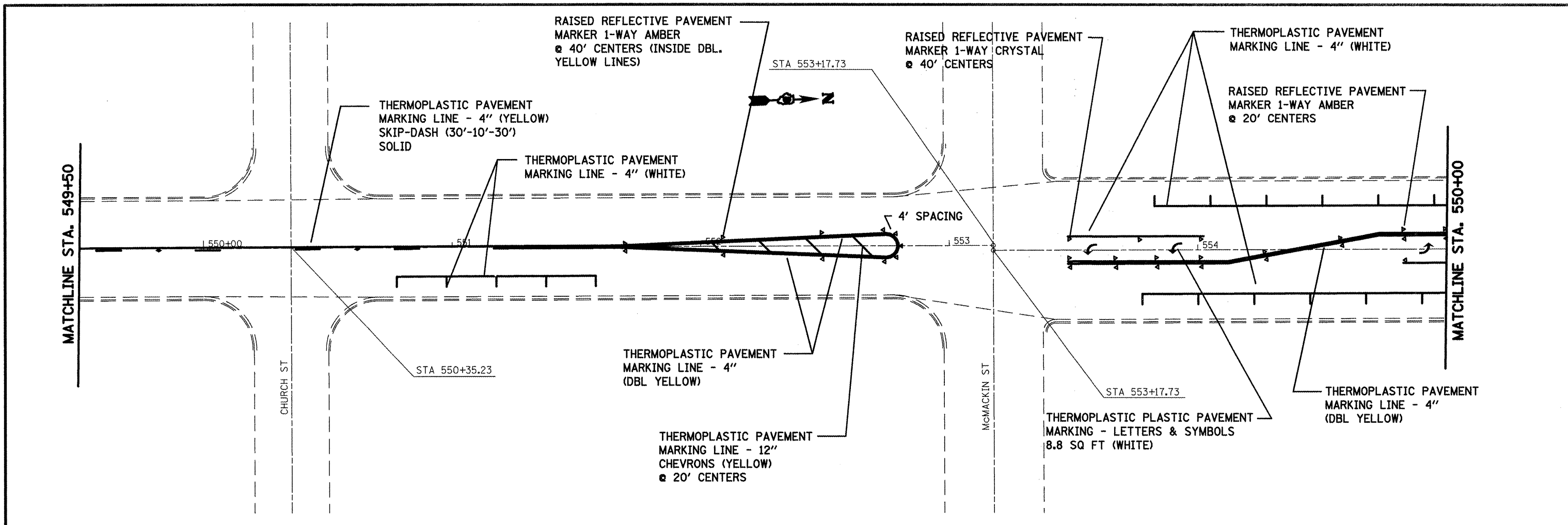
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PLOT DATE = 1/19/2010	DATE -	CHECKED -	REVISED -			CONTRACT NO. 76875				
						FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



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	PLOT DATE = 1/19/2018	DATE -	REVISED -										
•FAS 2826/FAU 8565 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT													



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		CHECKED -	REVISED -		CONTRACT NO. 76876			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
		DATE -	REVISED -						



FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SHEETS		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 40,0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 76875						
PLOT DATE = 1/19/2010		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

MATCHLINE STA. 561+00

561

ALLEY ST

STA 561+77.72

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

11 37

THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)

RAISED REFLECTIVE PAVEMENT MARKER 2-WAY AMBER @ 80' CENTERS

564

ROGERS ST

STA 564+40.72

565+00

MATCHLINE STA. 566+00



MATCHLINE STA. 565+00

566

OLIVE ST

POT Sta 567+04.73

STA 567+04.72

RAISED REFLECTIVE PAVEMENT MARKER 2-WAY AMBER @ 80' CENTERS

11 37

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

WARMOTH ST

STA 570+53.72

570+00

571

MATCHLINE STA. 572+50



*FAS 2826/FAU 8565

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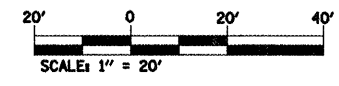
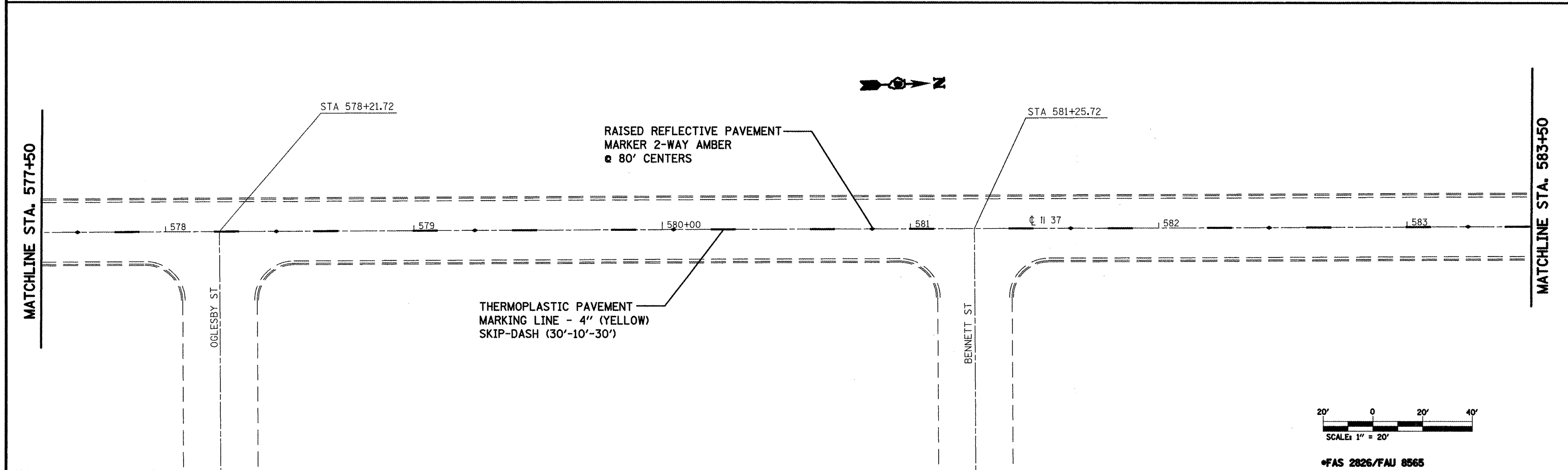
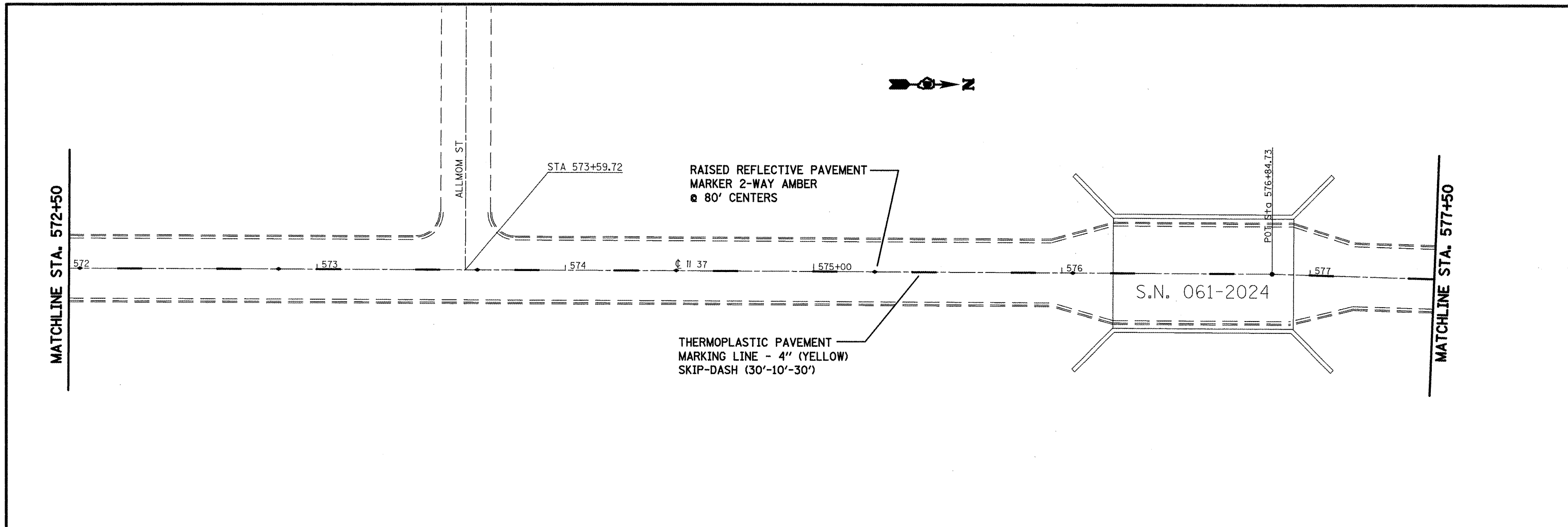
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING SHEETS

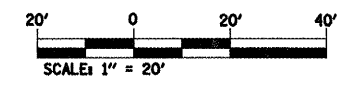
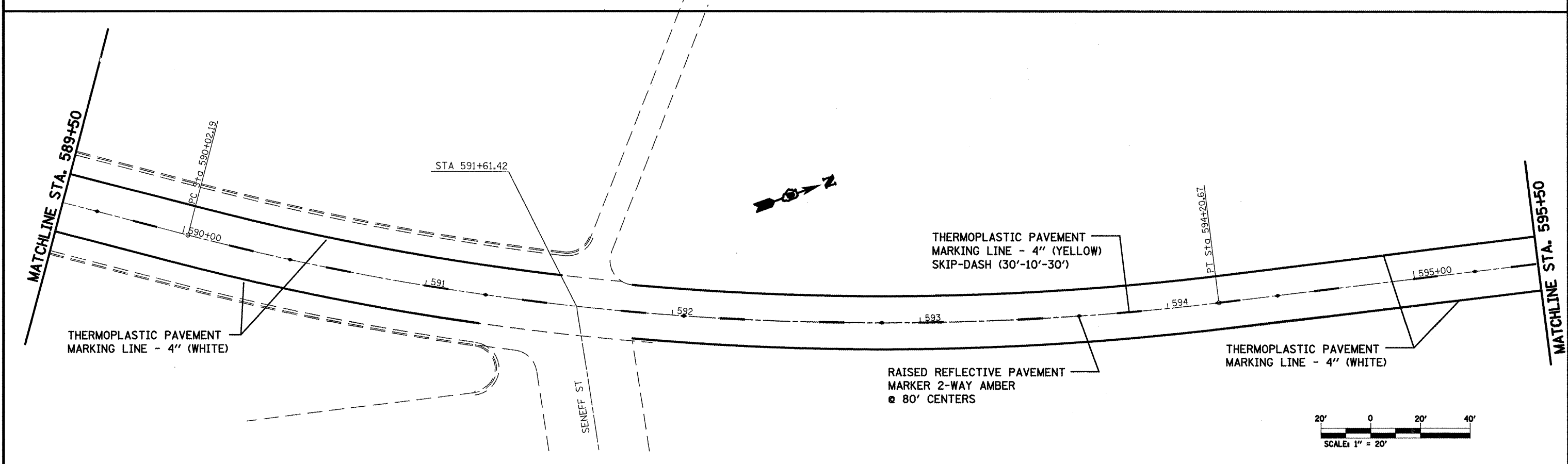
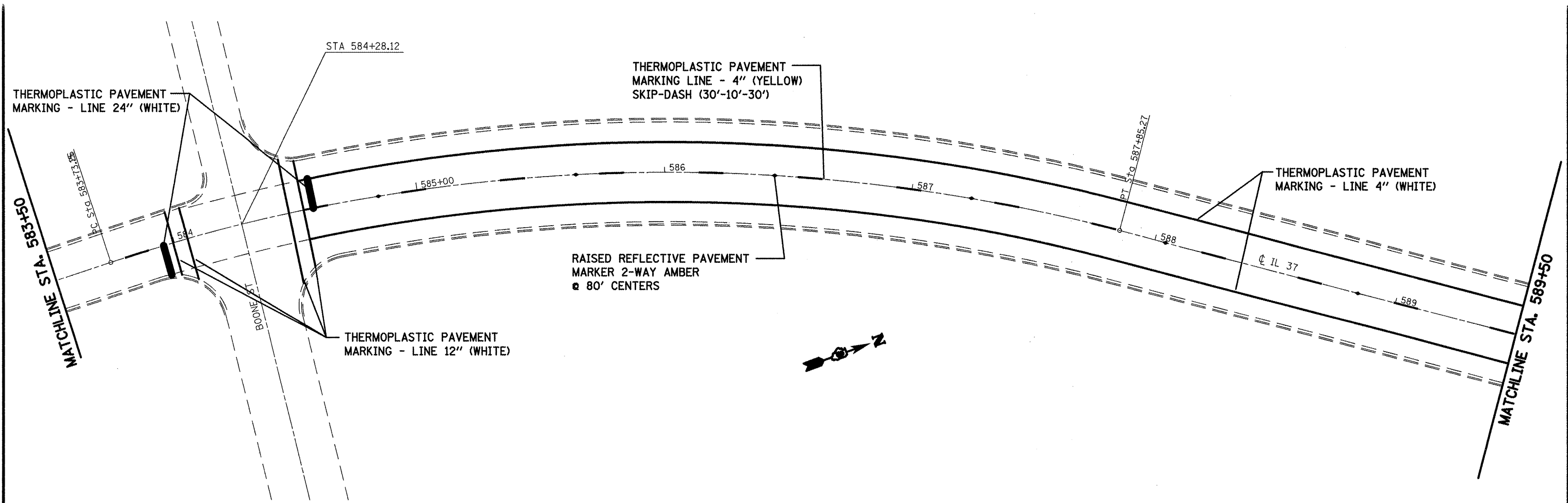
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(106,107,108,109)RS-3	MARION	47	28
CONTRACT NO. 76B75				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



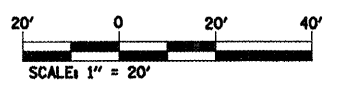
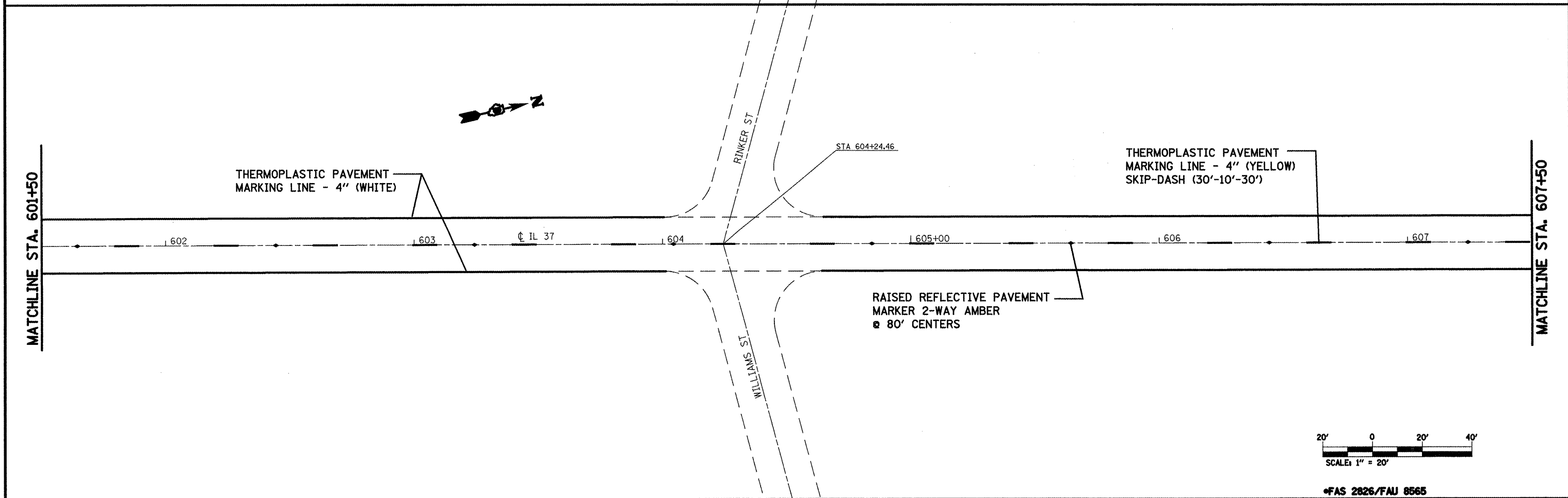
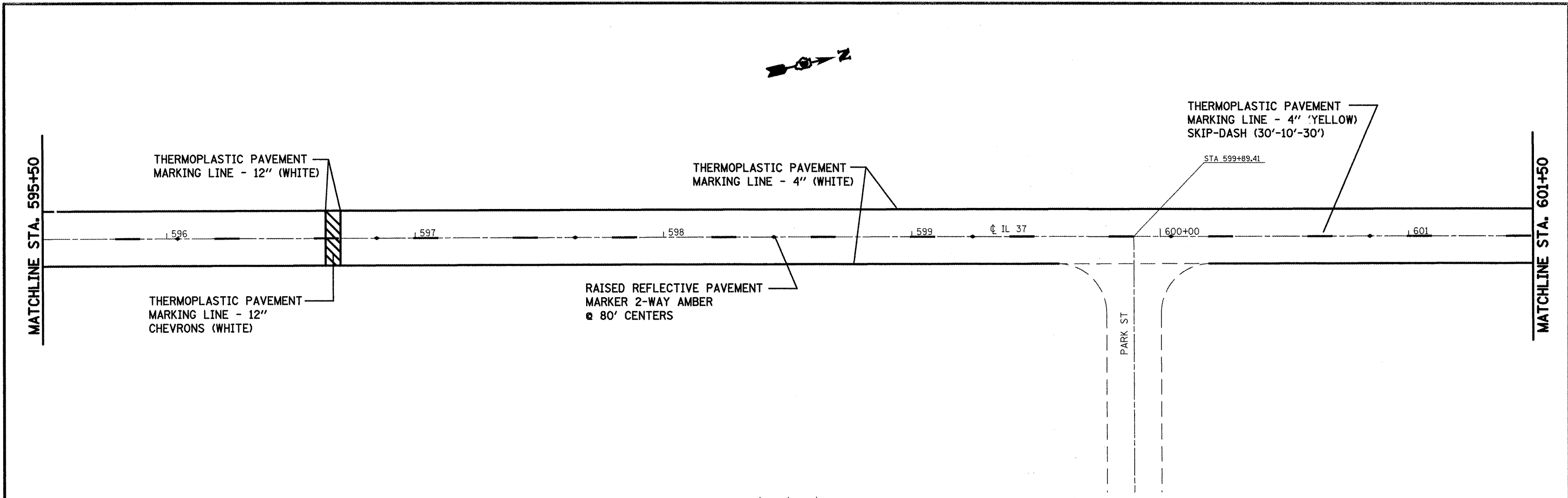
•FAS 2826/FAU 8565

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DRAWN -	REVISOR -	(106,107,108,109)RS-3	MARION						47	29			
CHECKED -	REVISION -	CONTRACT NO. 76B75											
DATE -	REVISION -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT											



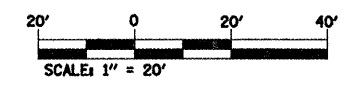
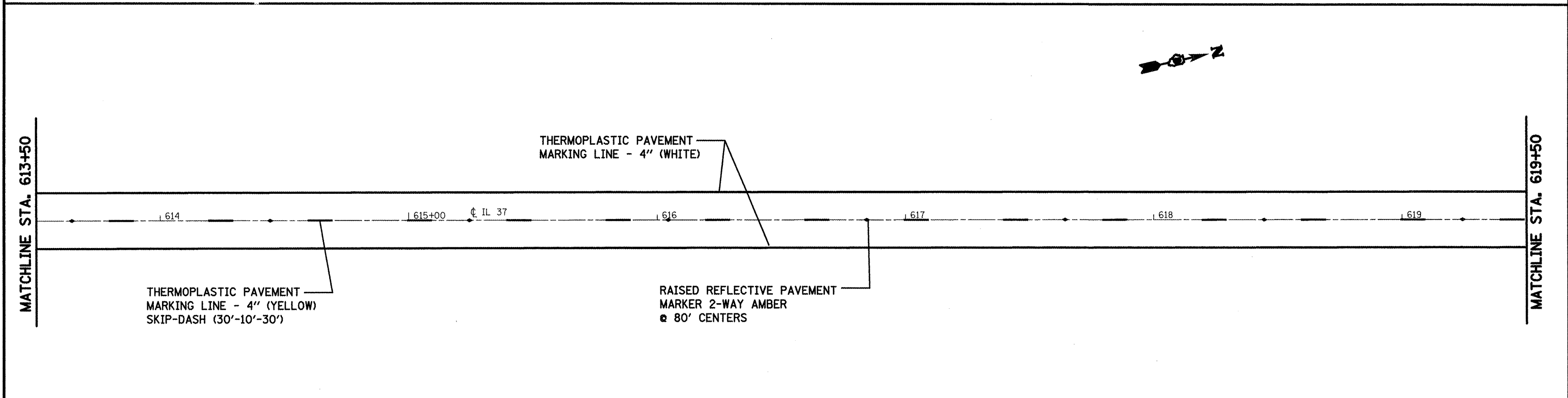
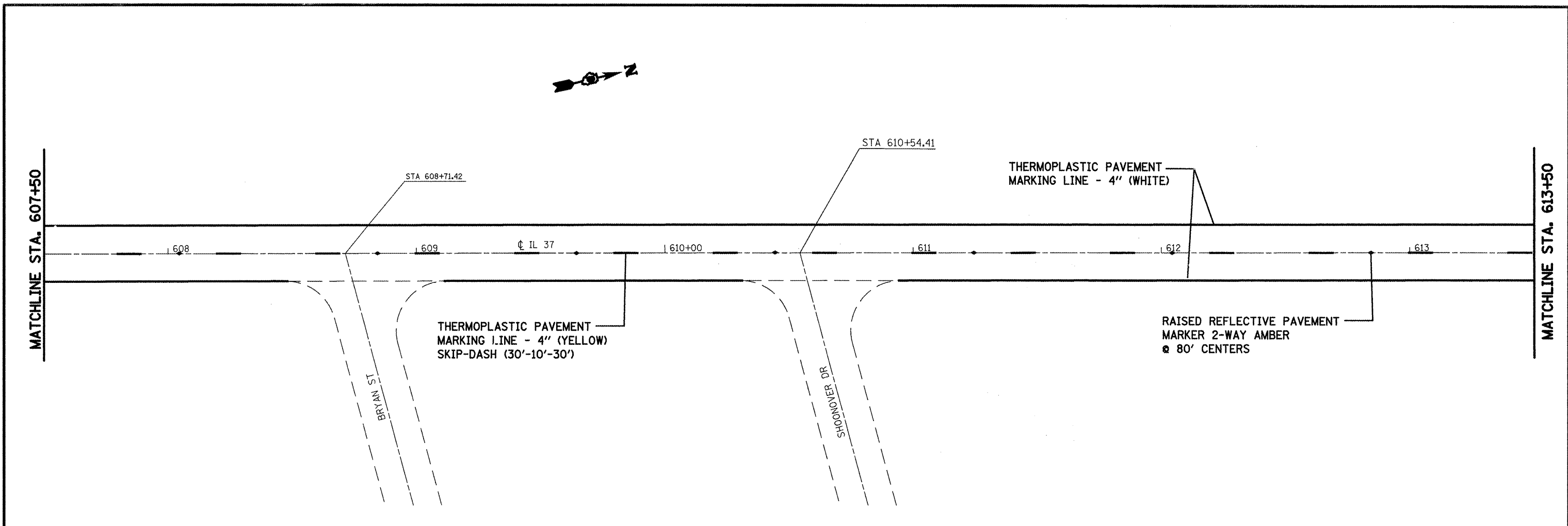
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FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SHEETS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE -	REVISED -		FED. ROAD DIST. NO. -							



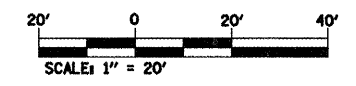
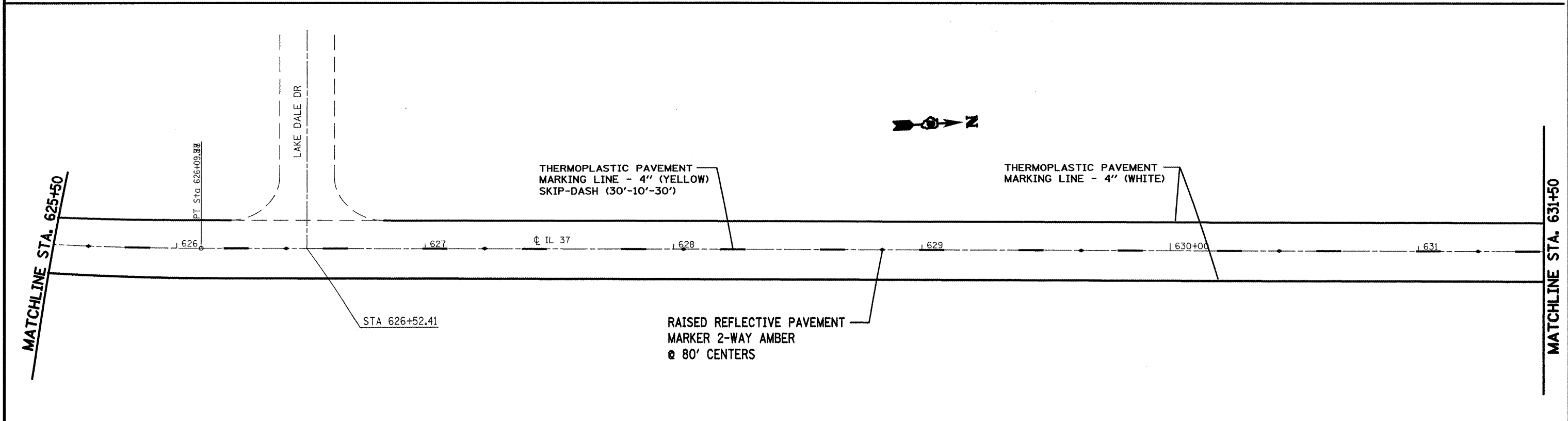
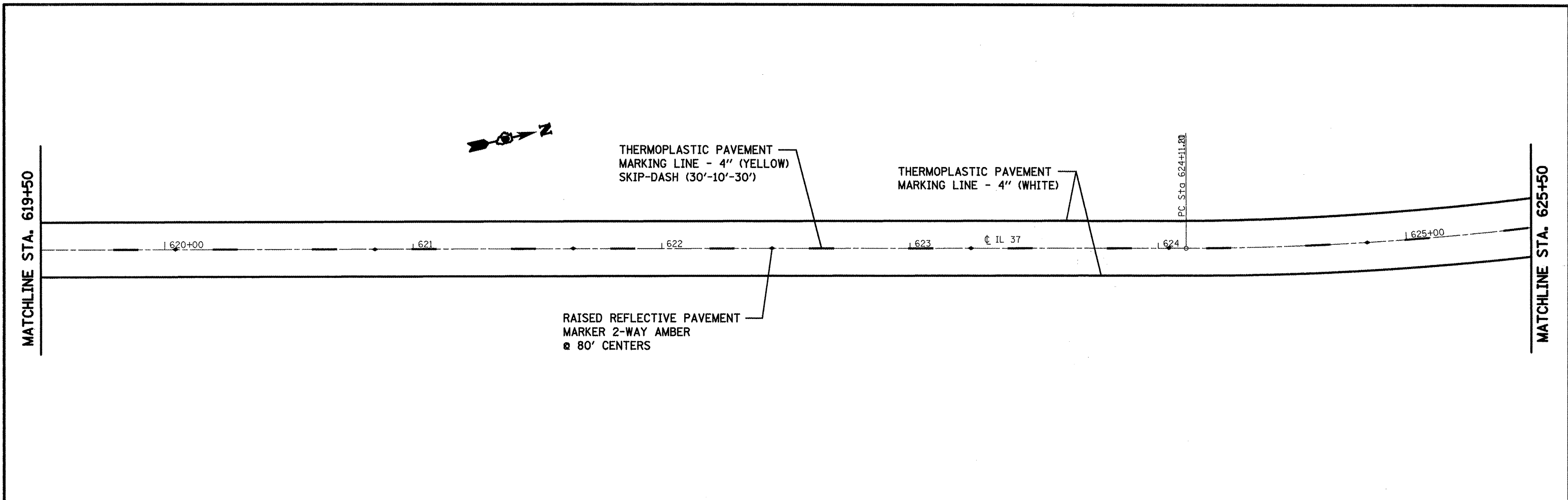
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FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca\pwork\pwork\CONOVERPJ\0119578\d876575-ahk-pmk.dgn		DRAWN -	REVISED -			•	(106,107,108,109)RS-3	MARION	47	31	
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PLOT DATE = 1/19/2019		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
				SCALE: 1" = 20'		SHEET NO. 8 OF 11 SHEETS		STA. 595+50 TO STA. 607+50			



FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SHEETS		<table border="1"> <tr> <td>F.A.S. RTE.</td> <td>SECTION</td> <td>COUNTY</td> <td>TOTAL SHEETS</td> <td>SHEET NO.</td> </tr> <tr> <td></td> <td>(106,107,108,109)RS-3</td> <td>MARION</td> <td>47</td> <td>32</td> </tr> <tr> <td colspan="5" style="text-align: center;">CONTRACT NO. 76875</td> </tr> <tr> <td colspan="5">FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT</td> </tr> </table>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		(106,107,108,109)RS-3	MARION	47	32	CONTRACT NO. 76875					FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS		SHEET NO.																						
	(106,107,108,109)RS-3	MARION	47		32																						
CONTRACT NO. 76875																											
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT																											
ca:\pwwork\pwwid\CONOVERPJ\08119570\d876b75-ahk-pmk.dgn		DRAWN -	REVISED -	SCALE: 1" = 20'	SHEET NO. 9 OF 11 SHEETS	STA. 607+50 TO STA. 619+50																					
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -																								
	PLOT DATE = 1/19/2010	DATE -	REVISED -																								

*FAS 2826/FAU 8565



FILE NAME =
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USER NAME = conoverpj
 76b75-ah-t-pmk.dgn
 PLOT SCALE = 40.0000' / IN.
 PLOT DATE = 1/19/2010

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING SHEETS

SCALE: 1" = 20' SHEET NO. 10 OF 11 SHEETS STA. 619+50 TO STA. 631+50

FAS 2826/FAU 8565		TOTAL SHEETS	SHEET NO.
F.A.S. RTE.	SECTION	COUNTY	
•	(106,107,108,109)RS-3	MARION	47 33
		CONTRACT NO. T6875	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	



MATCHLINE STA. 631+50

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

THERMOPLASTIC PAVEMENT
MARKING LINE - 4" (WHITE)

RAISED REFLECTIVE PAVEMENT
MARKER 2-WAY AMBER
@ 80' CENTERS

END OF PROJECT
STA. 635+00

635+52.41

MADISON ST.
POT Sta 635+56.69

P.C. Sta 635+77.91

632

633

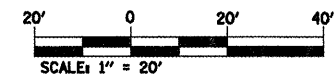
634

IL 37

635+00

636

637



•FAS 2826/FAU 8565

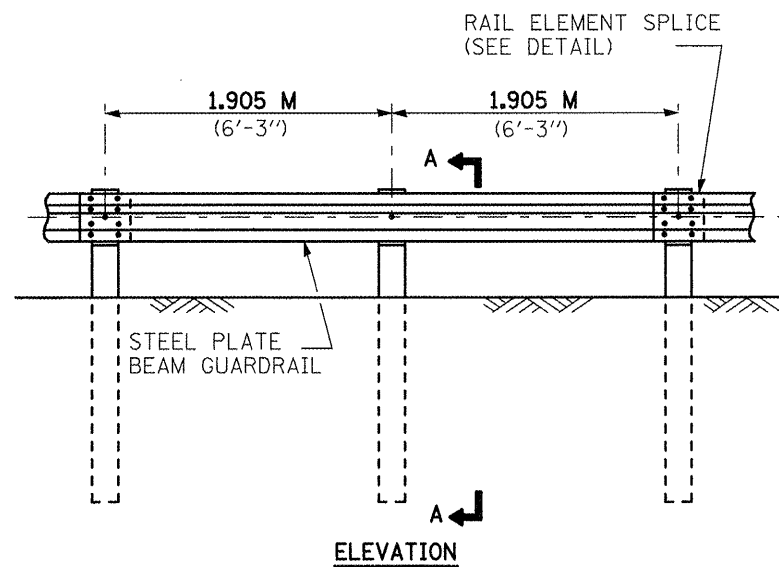
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING SHEETS

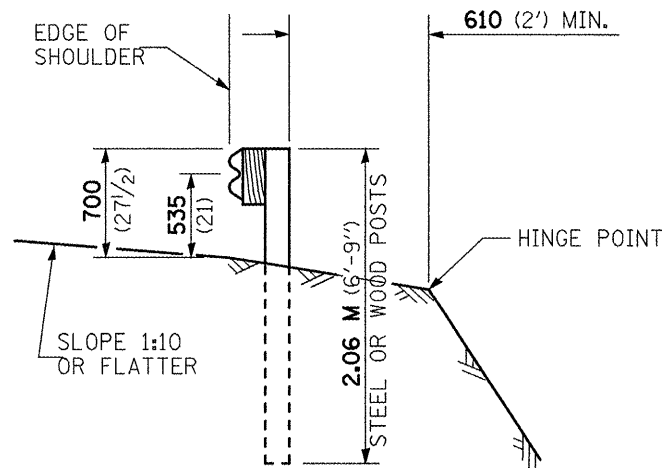
SCALE: 1" = 20' SHEET NO. 11 OF 11 SHEETS STA. 631+50 TO STA. E.O.P.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 76875	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

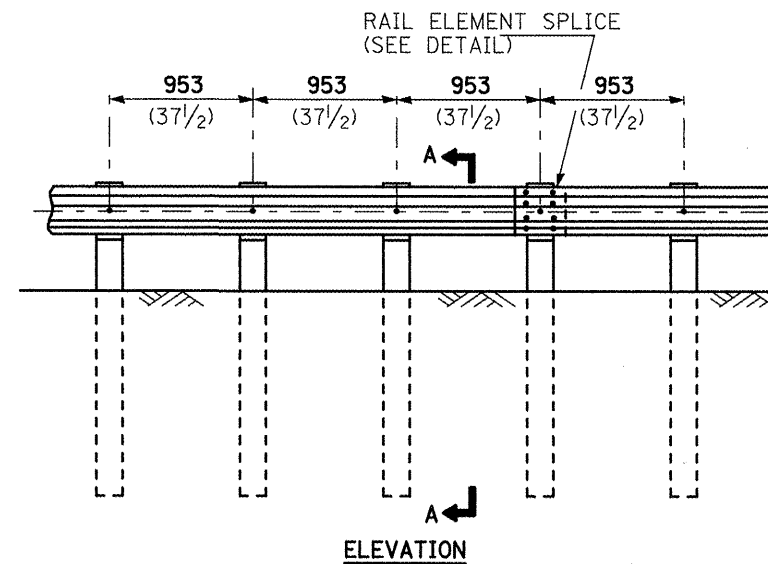


TYPE A

1.905 M (6'-3") TYPICAL POST SPACING

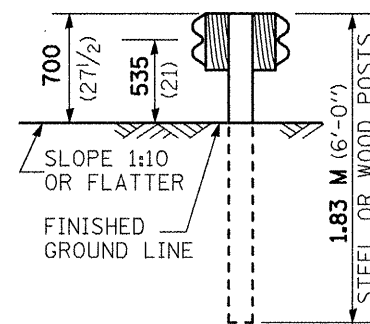


SECTION A-A

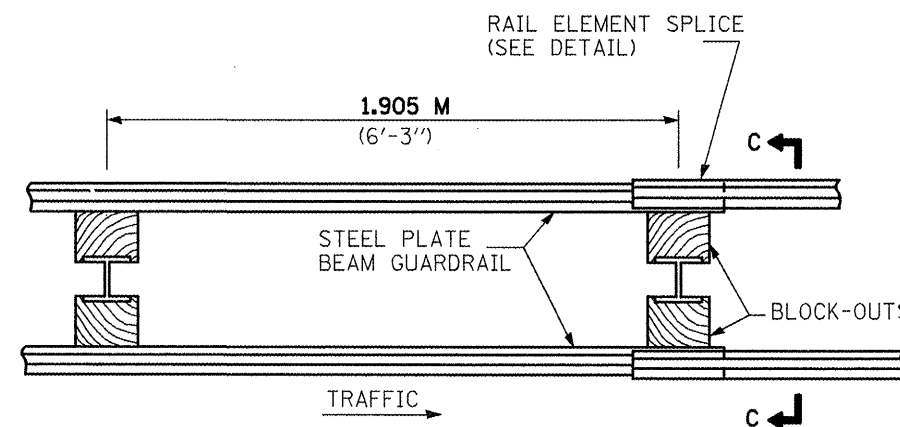


TYPE B

953 (37 1/2) CLOSED POST SPACING

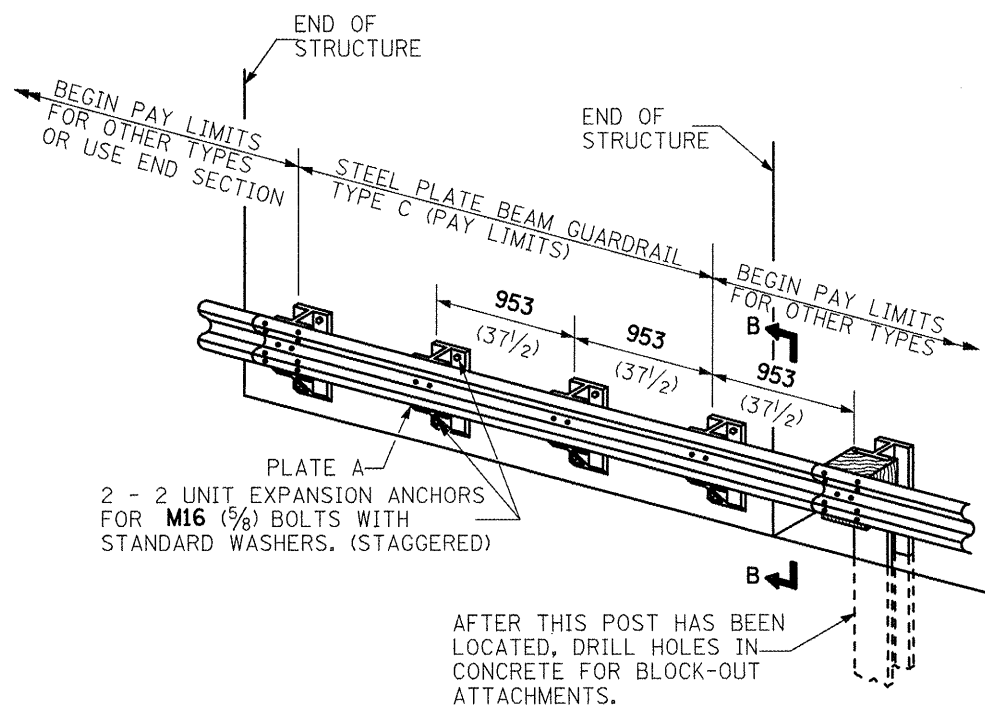


SECTION C-C



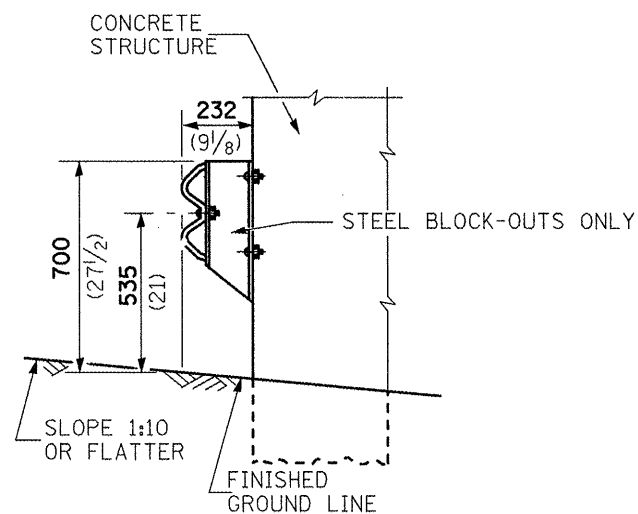
TYPE D

DOUBLE STEEL PLATE BEAM GUARDRAIL
1.905 M (6'-3") TYPICAL POST SPACING



TYPE C

953 (37 1/2) BLOCK-OUT SPACING



SECTION B-B

GENERAL NOTES

ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

THE EXISTING STEEL POSTS MAY BE DRILLED TO MATCH THE BOLT PATTERN SHOWN HEREIN FOR THE WOOD BLOCK-OUT, OR A NEW STEEL POST SHALL BE PROVIDED.

THIS DETAIL IS APPLICABLE TO THE GUARDRAIL SYSTEM USED PRIOR TO JANUARY 1, 2007. FOR DETAILS ON THE MIDWEST GUARDRAIL SYSTEM, SEE STANDARD 630001.

FILE NAME =	USER NAME = conover/pj	DESIGNED -	REVISD -
et:\pwwork\pwwork\CONOVER\J\0119570\dsg\6b75-sht-pln.dgn		DRAWN -	REVISD -
PLOT SCALE = 100,0000' / IN.		CHECKED -	REVISD -
PLOT DATE = 1/15/2010		DATE -	REVISD -

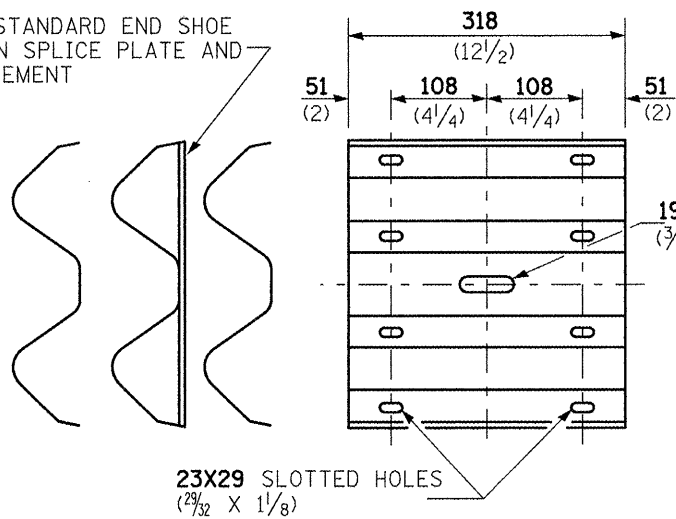
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL DETAIL	
SCALE: _____	SHEET NO. 1 OF 3 SHEETS
STA. _____	TO STA. _____

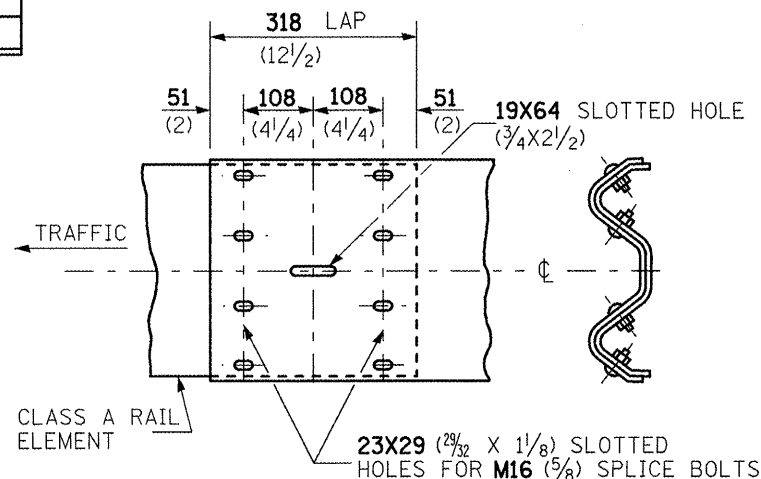
FAS 2826/FAU 8565

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76B75			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

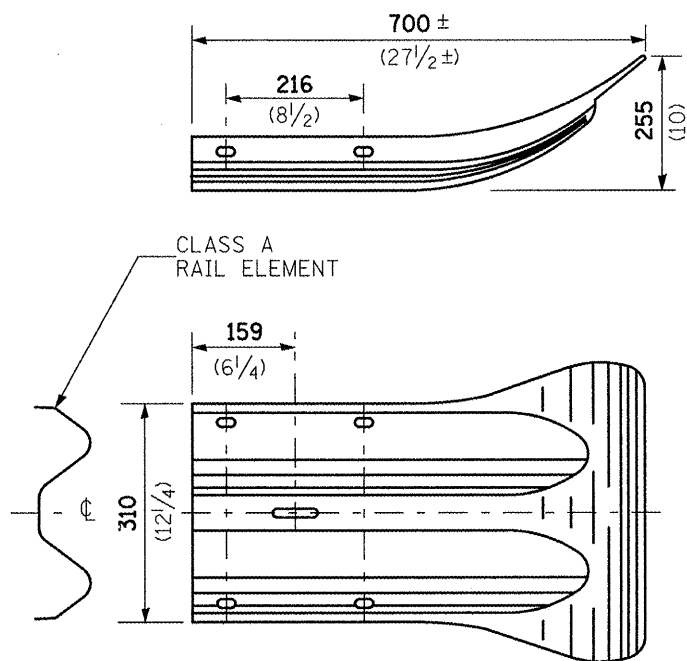
PLACE STANDARD END SHOE BETWEEN SPLICE PLATE AND RAIL ELEMENT



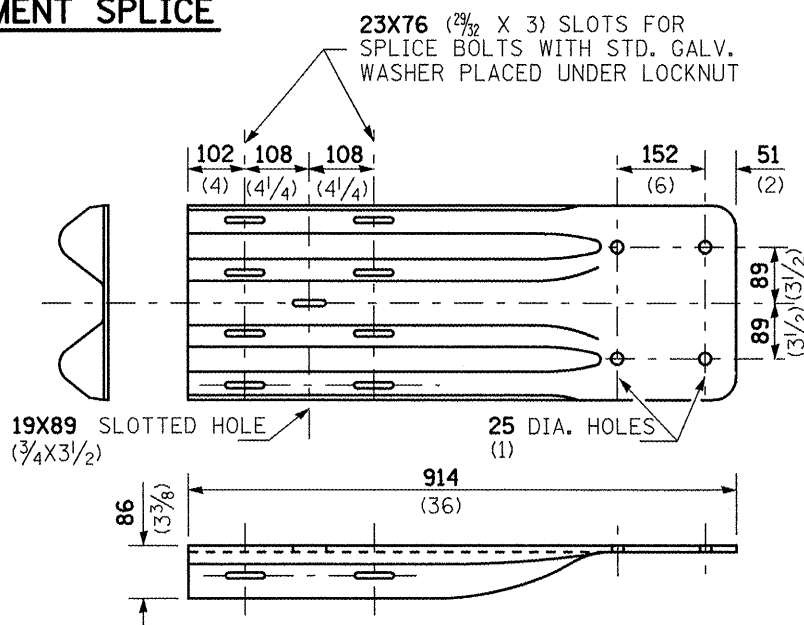
SPLICE PLATE



RAIL ELEMENT SPLICE



END SECTION



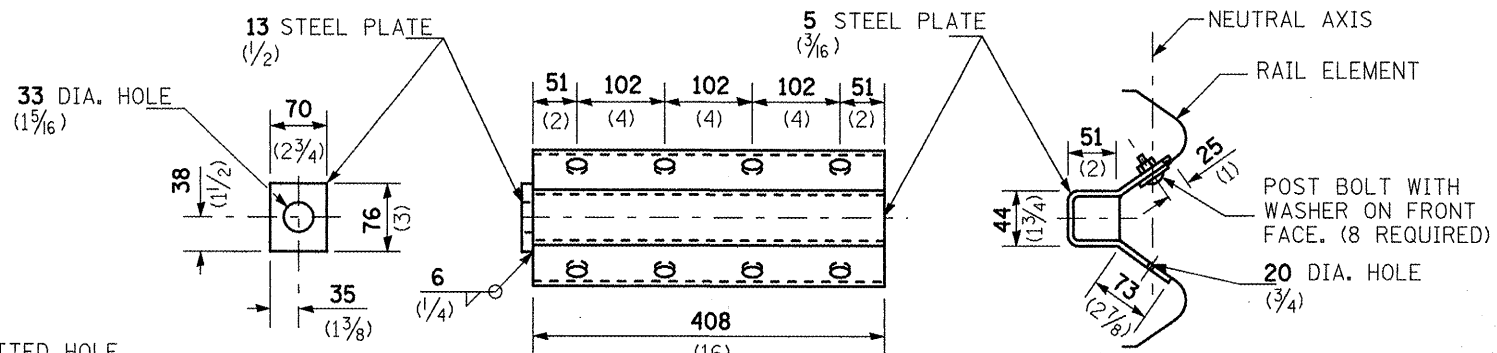
NOTE

WHEN END SHOE IS ATTACHED TO A BRIDGE PARAPET WHICH HAS AN EXPANSION JOINT, THE BOLTS SHALL BE PROVIDED WITH A LOCKNUT OR DOUBLE NUT AND SHALL BE TIGHTENED ONLY TO A POINT THAT WILL ALLOW GUARDRAIL MOVEMENT.

THE STANDARD END SHOE SHALL BE ATTACHED TO THE CONCRETE WITH PRE-DRILLED OR SELF-DRILLING ANCHOR BOLTS. THE ANCHOR CONE SHALL BE SET FLUSH WITH THE SURFACE OF THE CONCRETE.

EXTERNALLY THREADED STUDS PROTRUDING FROM THE SURFACE OF THE CONCRETE WILL NOT BE PERMITTED.

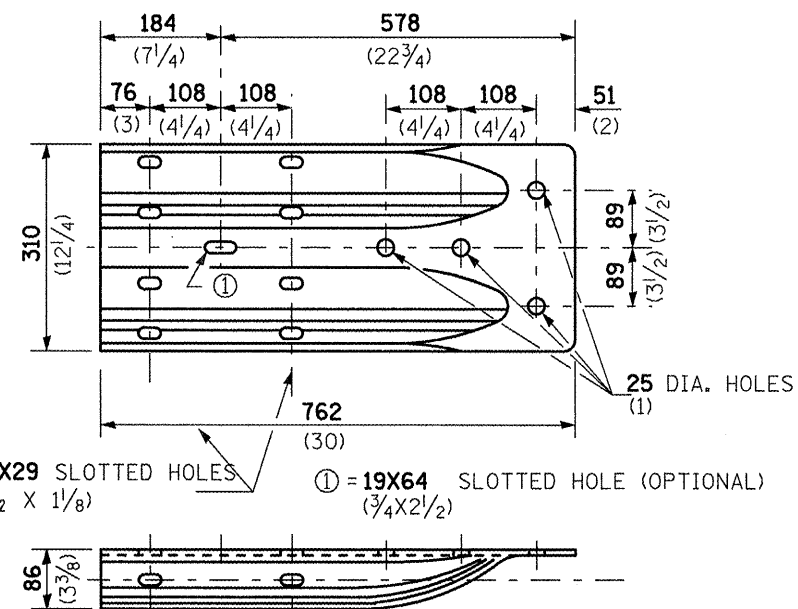
END SHOE



NOTE

ANCHOR PLATE T SHALL BE USED TO ATTACH CABLE ASSEMBLY TO GUARDRAIL WHEN REQUIRED ON TRAFFIC BARRIER TERMINALS.

ANCHOR PLATE T DETAILS



ALTERNATE END SHOE

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c:\pwwork\pwwid\CONOVERPJ\d0119570\d0119570.dwg

USER NAME = conoverpj
DRAWN = 76b75-eh-t-plan.dgn
PLOT SCALE = 1/8" = 1'-0"
PLOT DATE = 1/15/2010

DESIGNED -
CHECKED -
DATE -

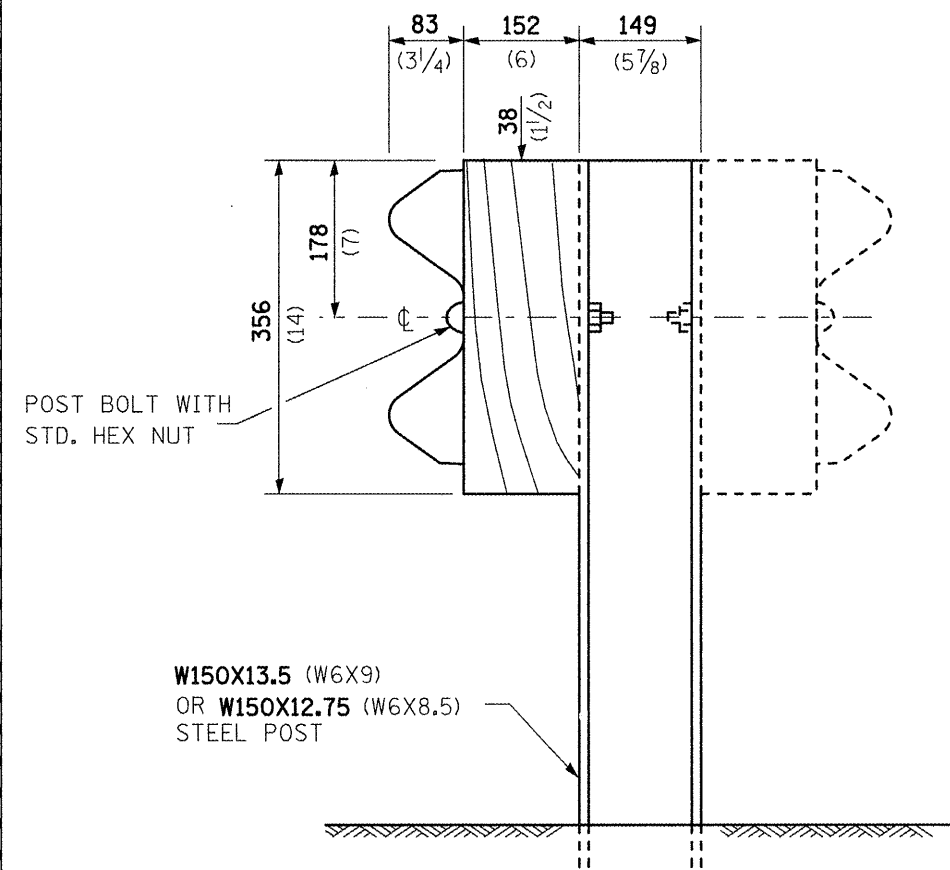
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

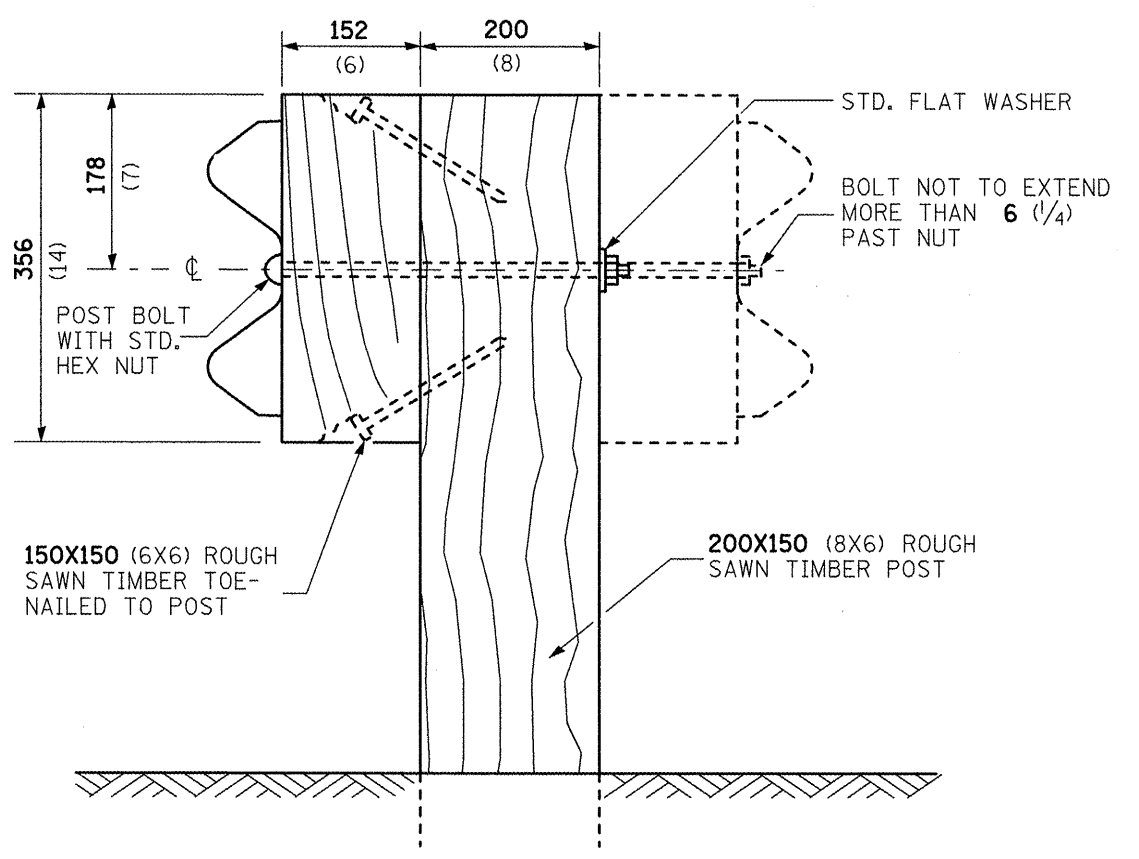
SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

FAS 2826/FAU 8565

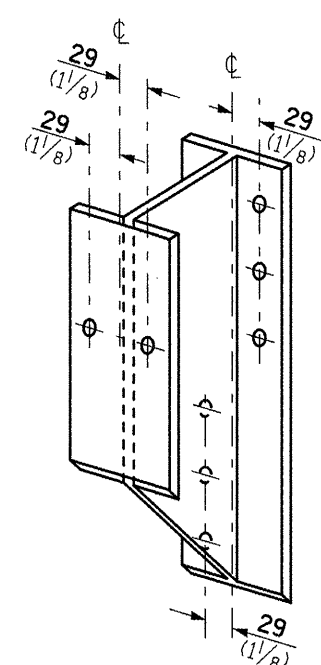
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. T6B75				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



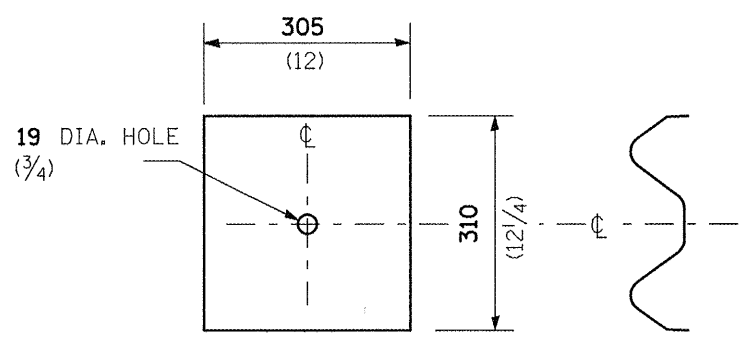
STEEL POST CONSTRUCTION



WOOD POST CONSTRUCTION



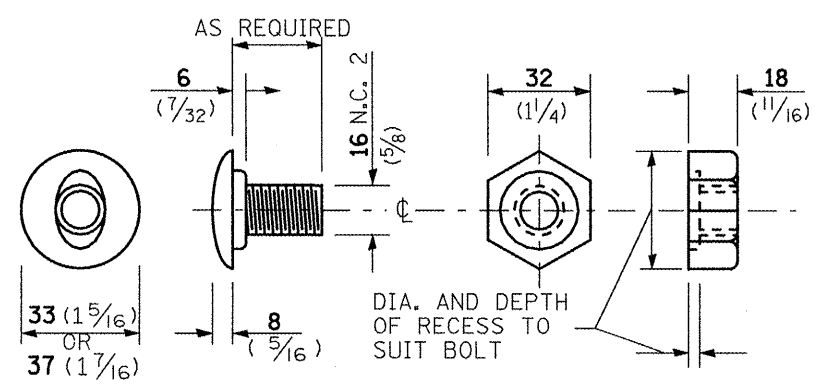
STEEL BLOCK-OUT DETAIL



NOTE

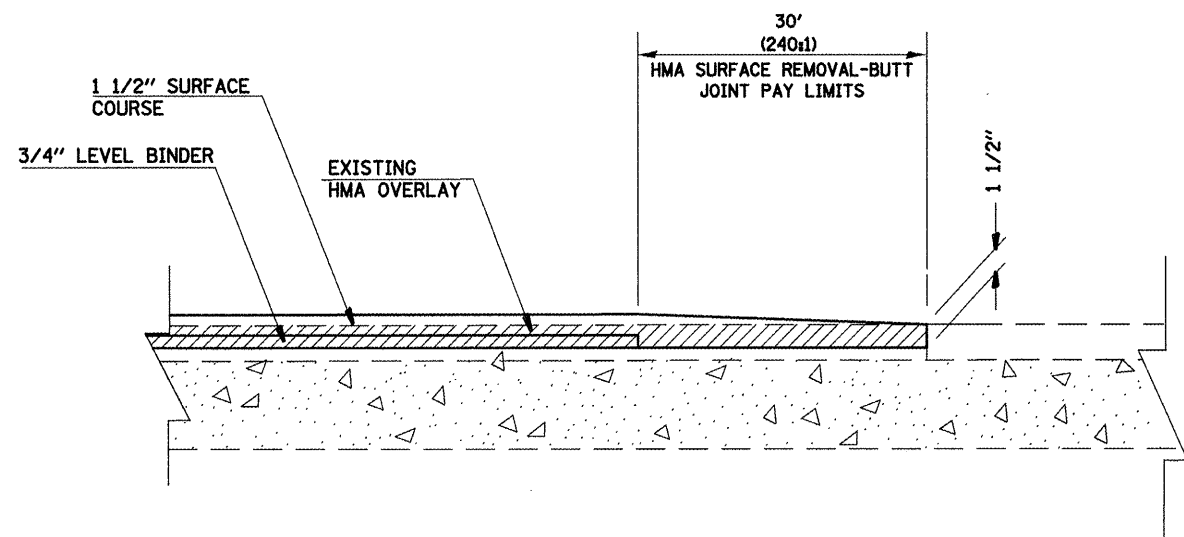
PLATE A SHALL BE PLACED BETWEEN RAIL ELEMENT AND BLOCK-OUT AT NON-SPLICE MOUNTING POINTS ONLY WHEN STEEL BLOCK-OUTS ARE USED.

PLATE A

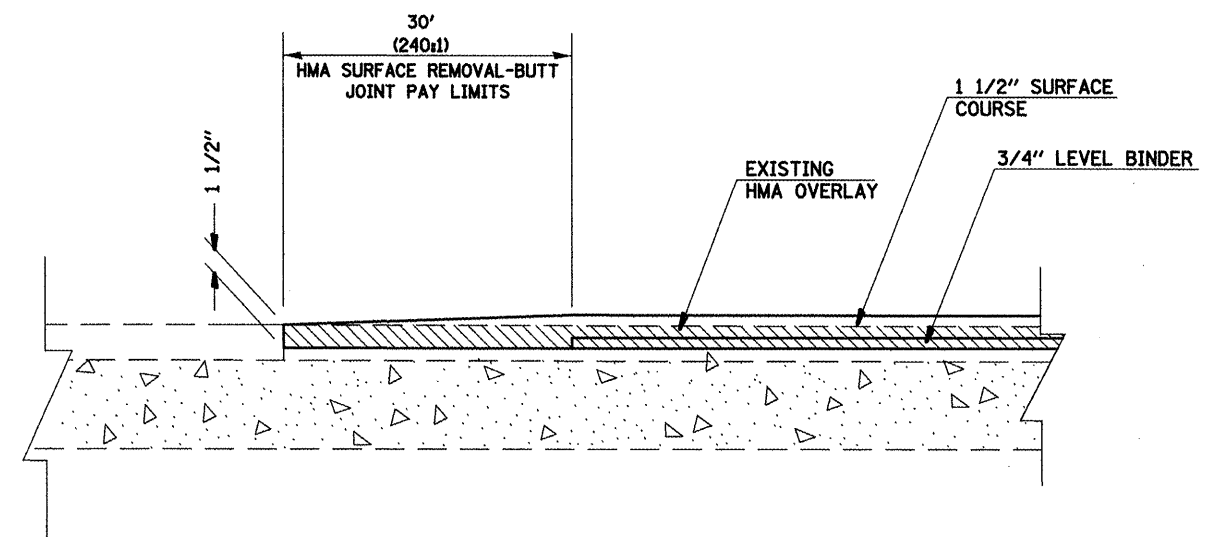


POST OR SPLICE BOLT & NUT

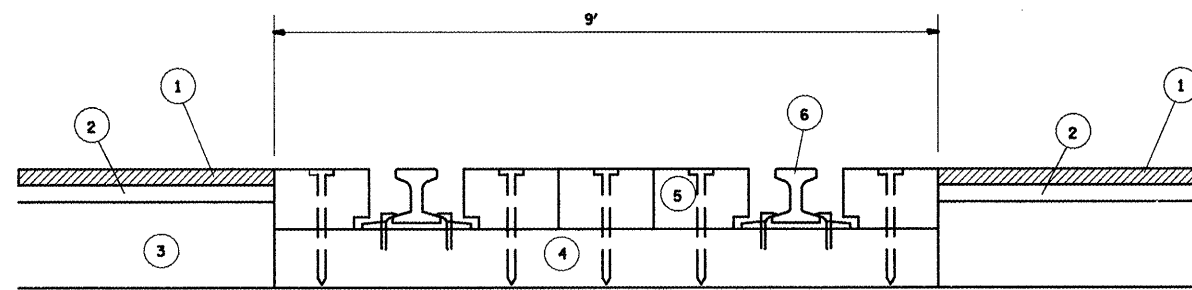
FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL DETAIL	*FAS 2826/FAU 8565			
ca:\pwwork\pwidot\CONOVERPJ\d0119578.dwg	6b75-shr-plan.dgn	DRAWN -	REVISED -			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
PLOT SCALE = 100.0000 // IN.		CHECKED -	REVISED -			•	(106,107,108,109)RS-3	MARION	47
PLOT DATE = 1/15/2010		DATE -	REVISED -			CONTRACT NO. 76875		ILLINOIS FED. AID PROJECT	



BRIDGE OMISSION DETAIL

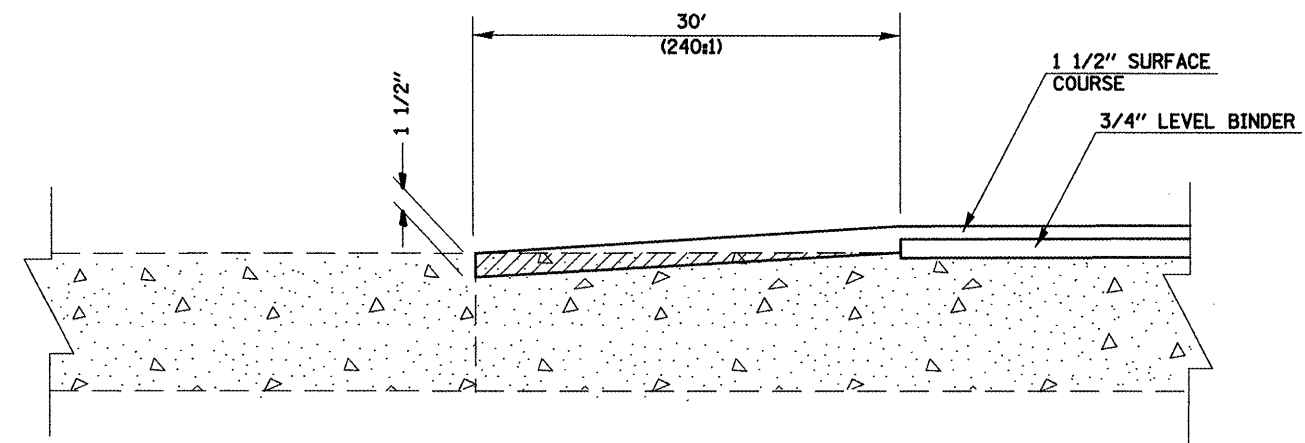


BRIDGE OMISSION DETAIL



JOINTS @ RAILROAD

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



MAINLINE BUTT JOINT DETAIL
BEGINNING & ENDING OF PROJECT

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c:\pwwork\pwwid\CONVERPJ\d0119570\d0119570-1.dwg

USER NAME = oonoverpj
6b75-shr-plan.dgn
PLOT SCALE = 100.0000 / IN.
PLOT DATE = 1/15/2010

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

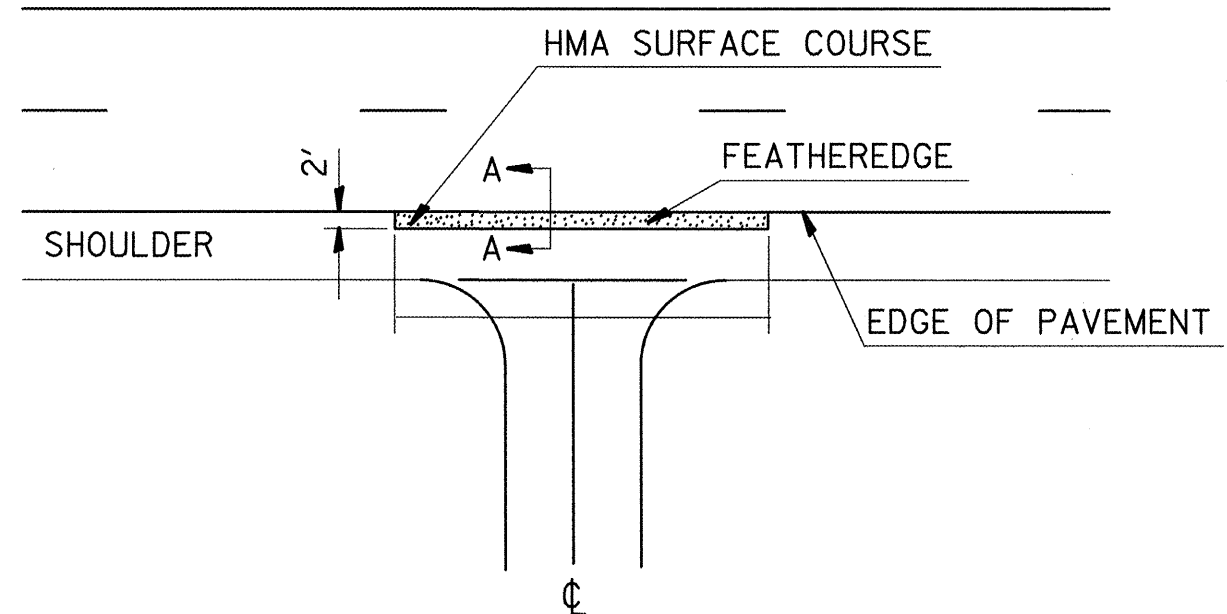
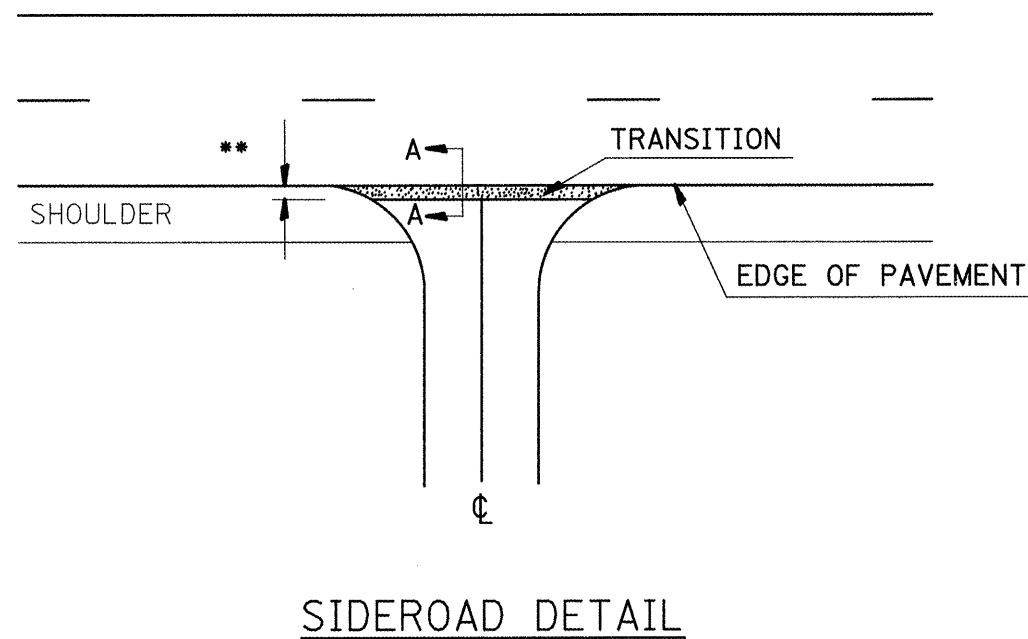
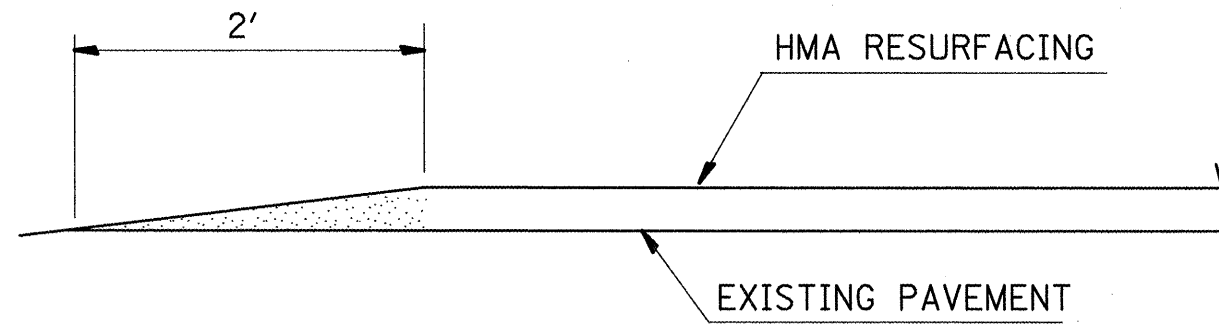
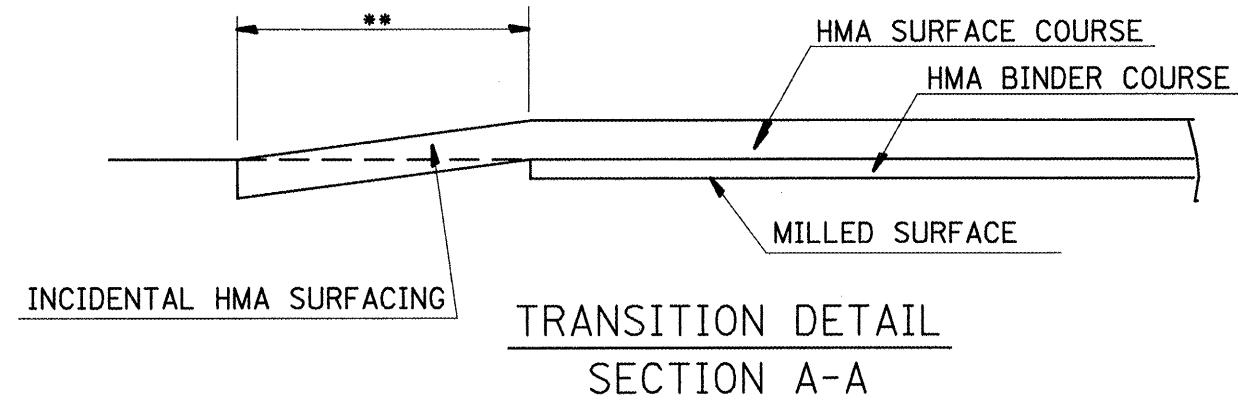
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT DETAILS

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

*FAS 2826/FAU 8565

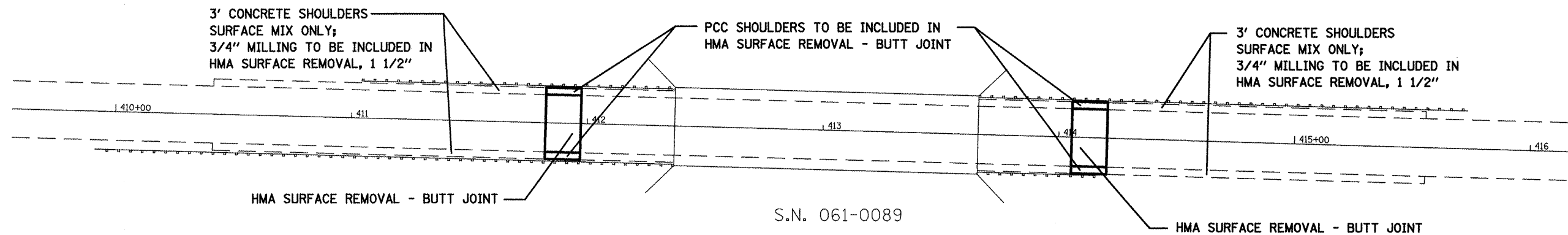
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	0106,107,108,109RS-3	MARION	47	38
CONTRACT NO. T6875				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



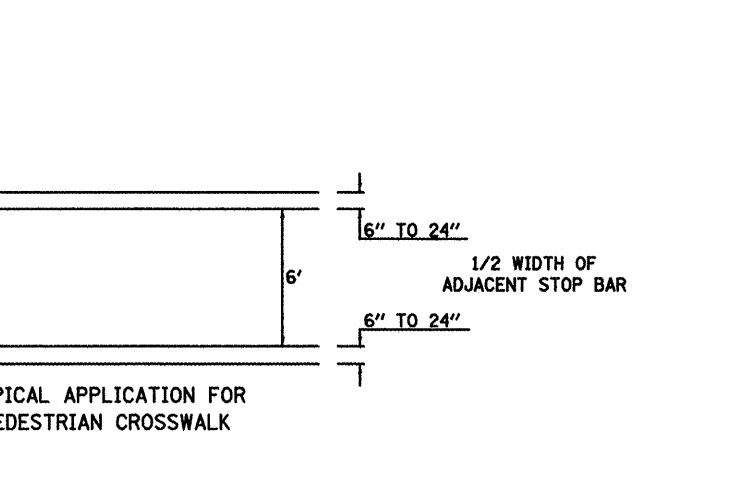
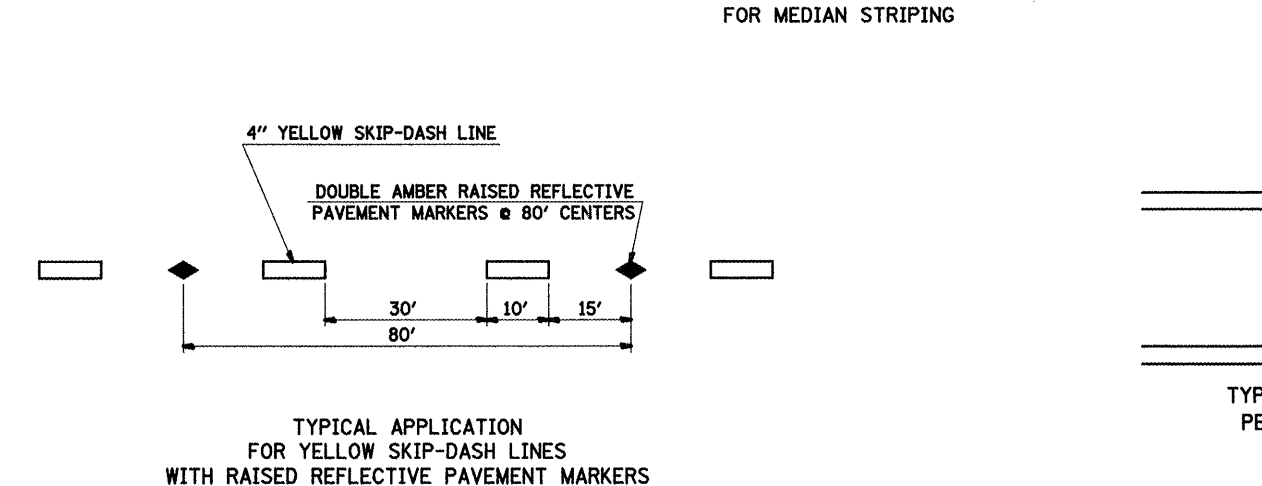
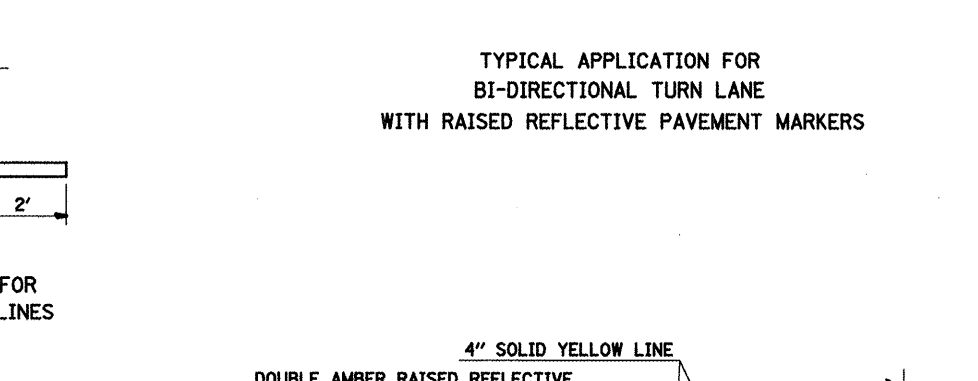
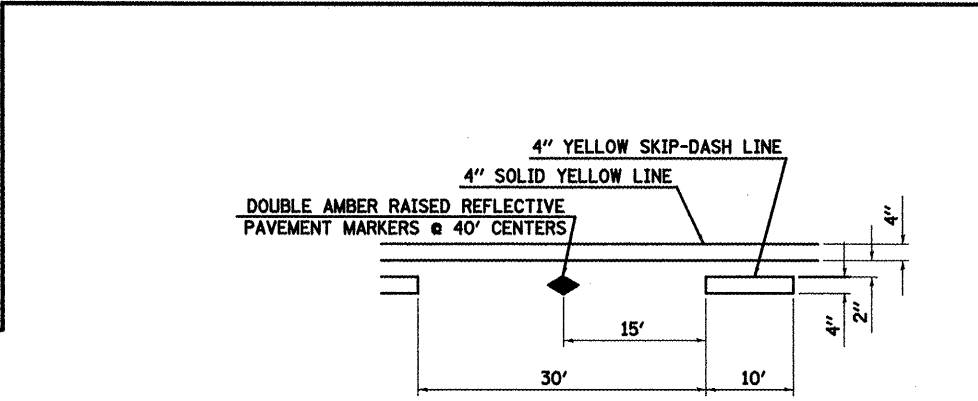
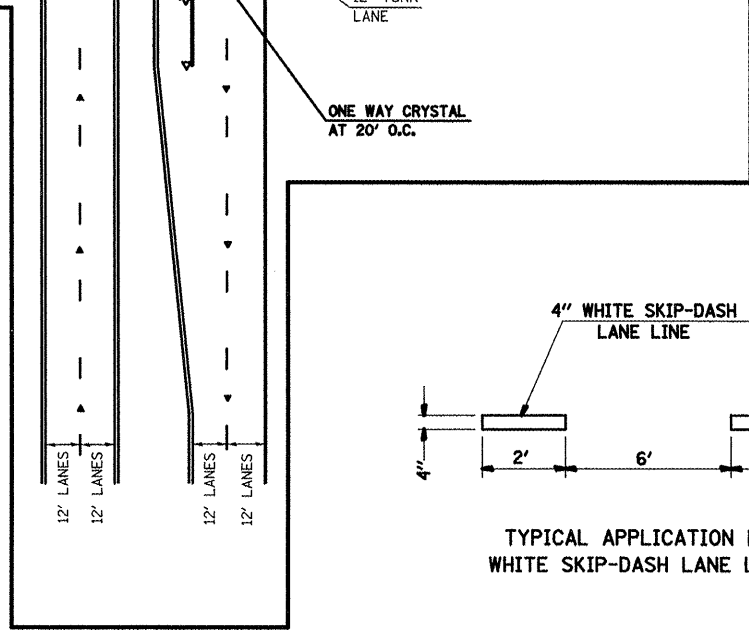
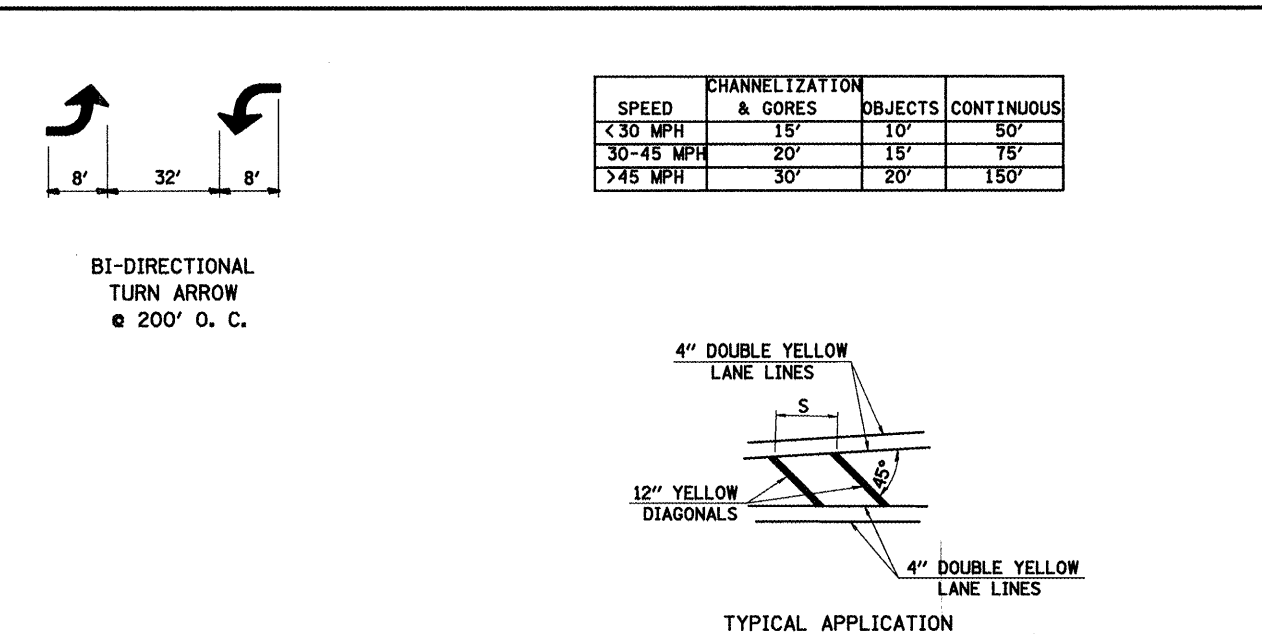
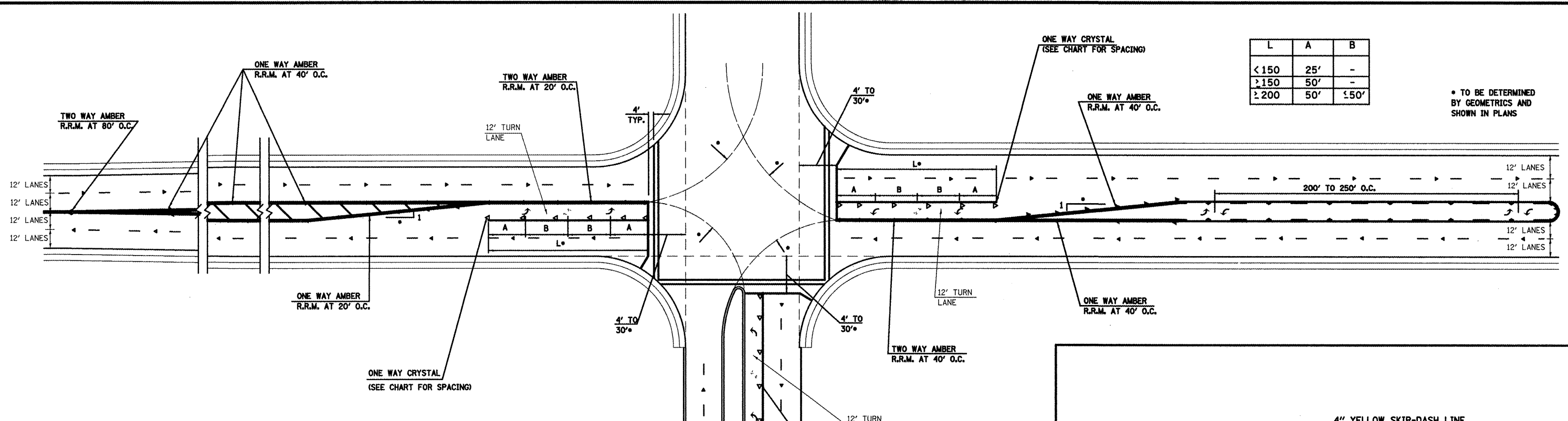
*EOP ELEVATION CHANGE	**TOTAL TRANSITION LENGTH
3/4"	3.5'
1"	5'
1-1/2"	7.5'
2"	10'
2-1/2"	12.5'
3"	15'
3-1/2"	17.5'
4"	20'
4-1/2"	22.5'
5"	25'
5-1/2"	27.5'
6"	30'

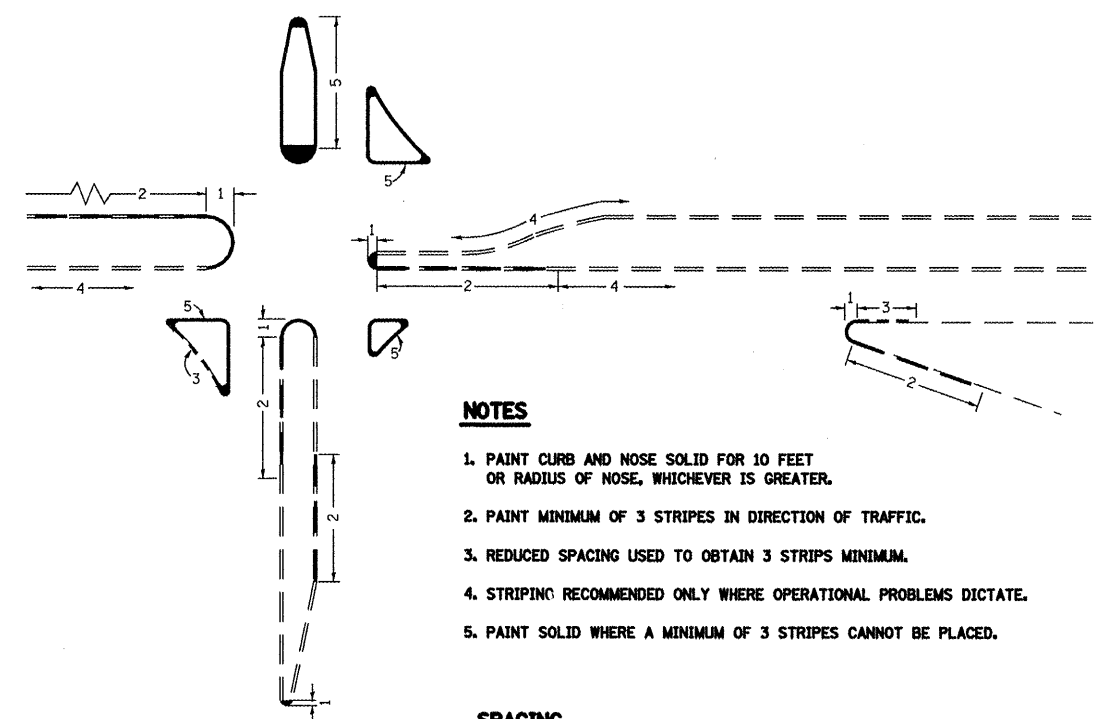
NOTE:
WHERE THE HMA TRANSITION IS MATCHING INTO AN EXISTING HMA SIDE ROAD SURFACE, A MILLED BUTT JOINT SHALL BE CONSTRUCTED WITHIN THE LIMITS OF THE TOTAL TRANSITION LENGTH ON THE LOCAL ROUTE.

SIDEROAD DETAIL



FILE NAME =		USER NAME = conoverpj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 061-0089 BUTT JOINT DETAIL		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et\pwork\VPWIDOT\CONOVERPJ\0119570\d076b75-sht-plan.dgn		76b75-sht-plan.dgn	DRAWN -	REVISED -		•	(106,107,108,109)RS-3	MARTON	47	40		
PLOT SCALE = 1/8" = 100.0000' / IN.		CHECKED -	REVISED -	SCALE: _____		SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 76B75				
PLOT DATE = 1/15/2010		DATE -	REVISED -	*FAS 2826/FAU 8565 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

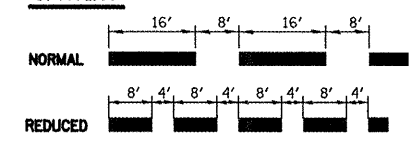




NOTES

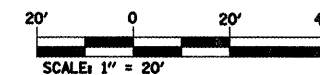
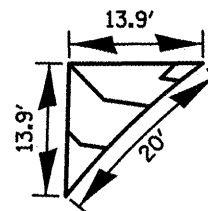
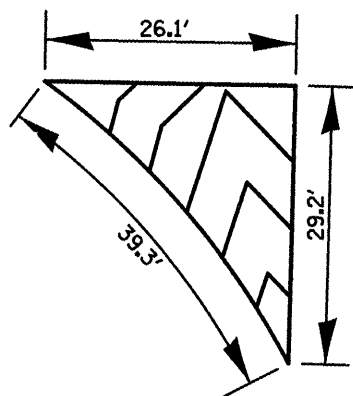
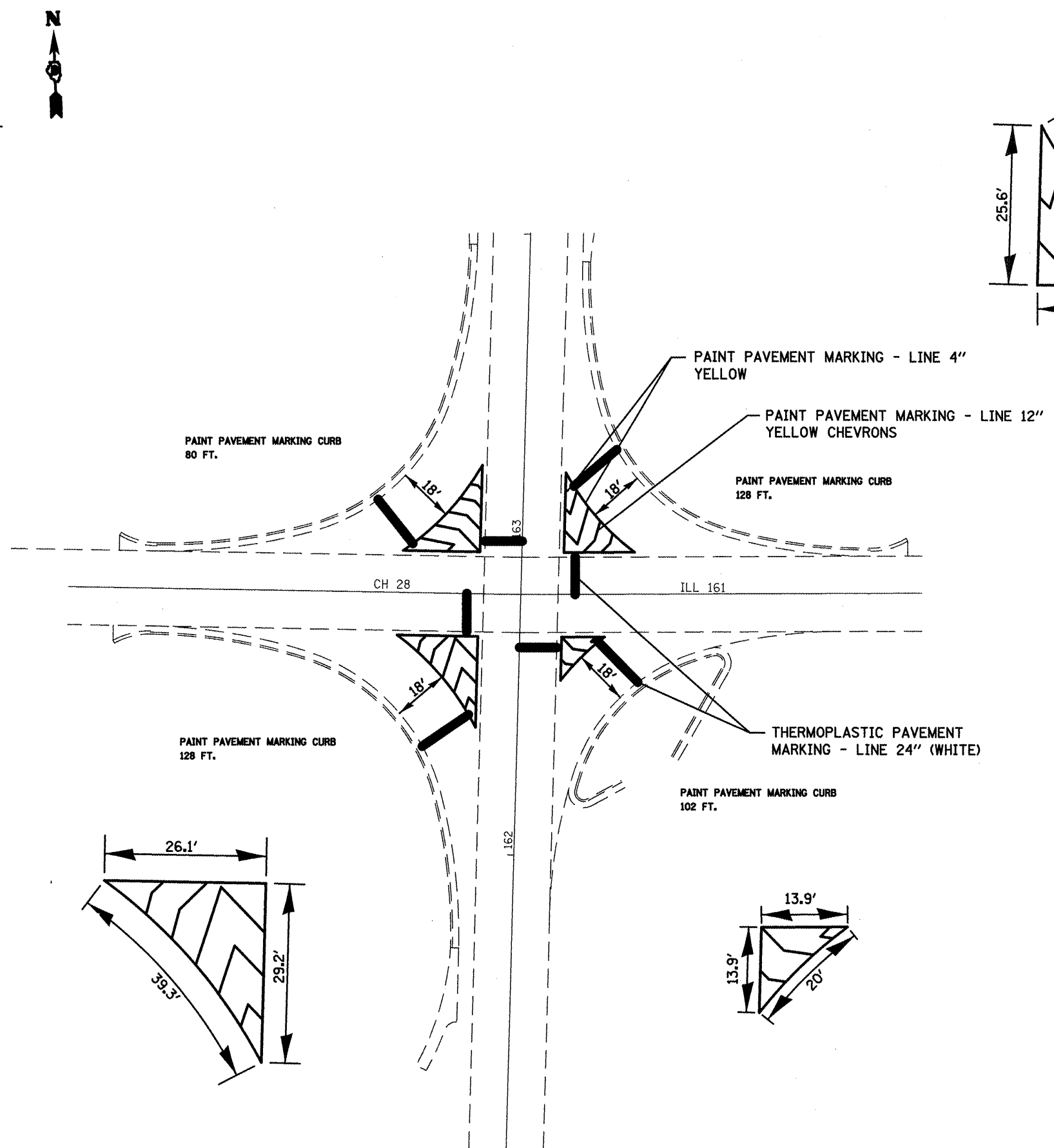
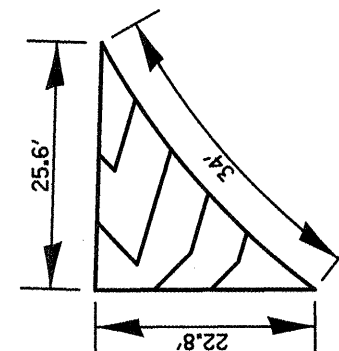
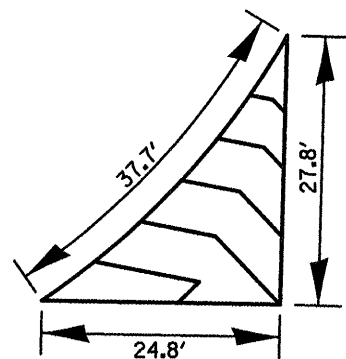
1. PAINT CURB AND NOSE SOLID FOR 10 FEET OR RADIUS OF NOSE, WHICHEVER IS GREATER.
2. PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC.
3. REDUCED SPACING USED TO OBTAIN 3 STRIPS MINIMUM.
4. STRIPING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
5. PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT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

SPACING



CURB MARKING

FILE NAME = c:\pw_work\PWIDOT\CONVERPJ\d8119570\d8119570-6b75-sht-plen.dgn	USER NAME = conoverpj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING DETAILS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 / / IN.	CHECKED -	REVISED -		SCALE	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.	(106,107,108,109)RS-3	MARION	47
PLOT DATE = 1/15/2010	DATE -	REVISED -	REVISED -						CONTRACT NO. 76875		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT											



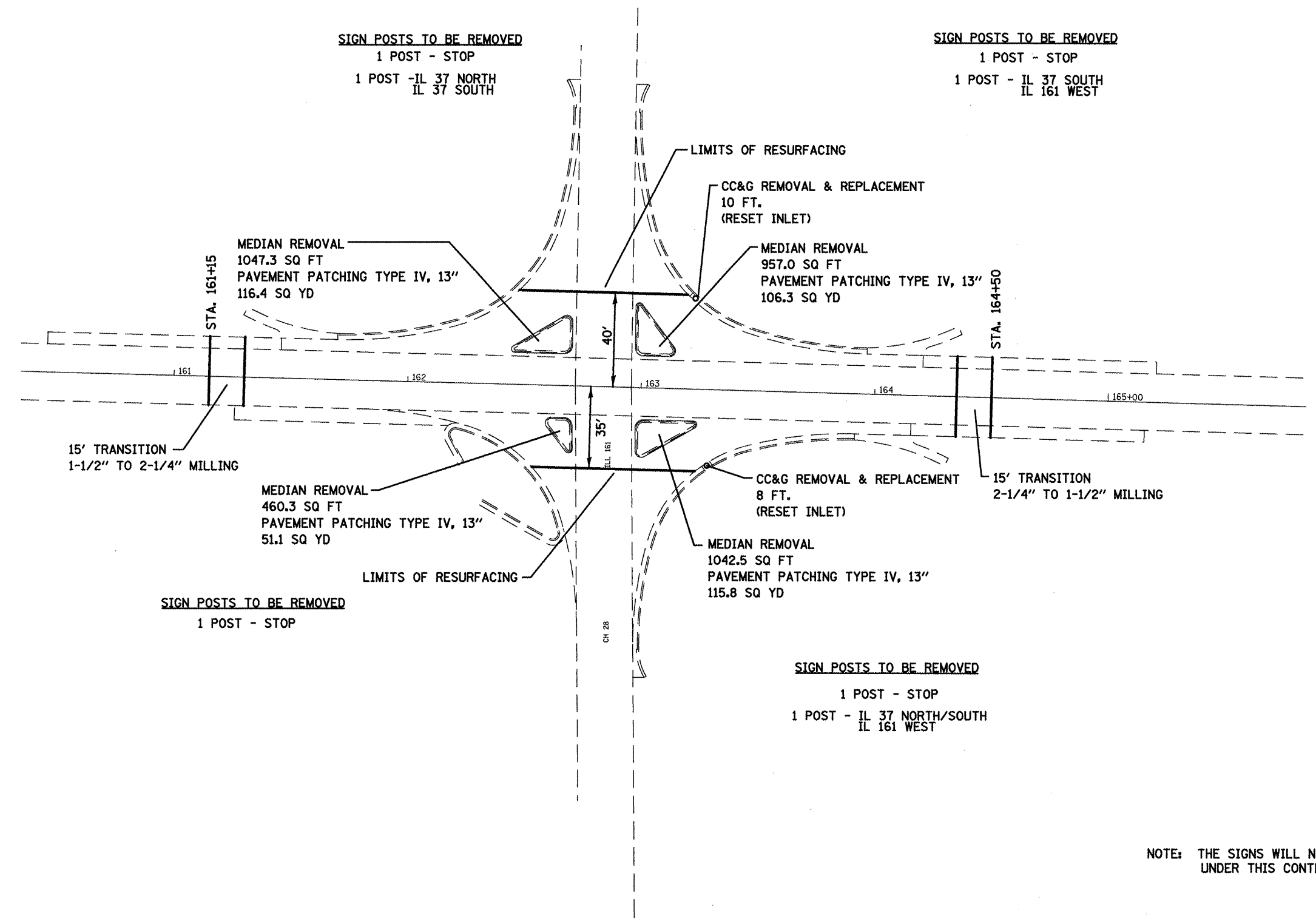
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est\pw_work\PWIDOT\CONVERPJ\08119570\08119570-6b75-ehh-pmk.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSECTION PAVEMENT MARKING DETAIL

SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. 631+50 TO STA. E.O.P.

FAS 2826/FAU 8565			
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
•	(106,107,108,109)RS-3	MARION	47 43
			CONTRACT NO. 76B75
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



NOTE: THE SIGNS WILL NOT BE REPLACED UNDER THIS CONTRACT.

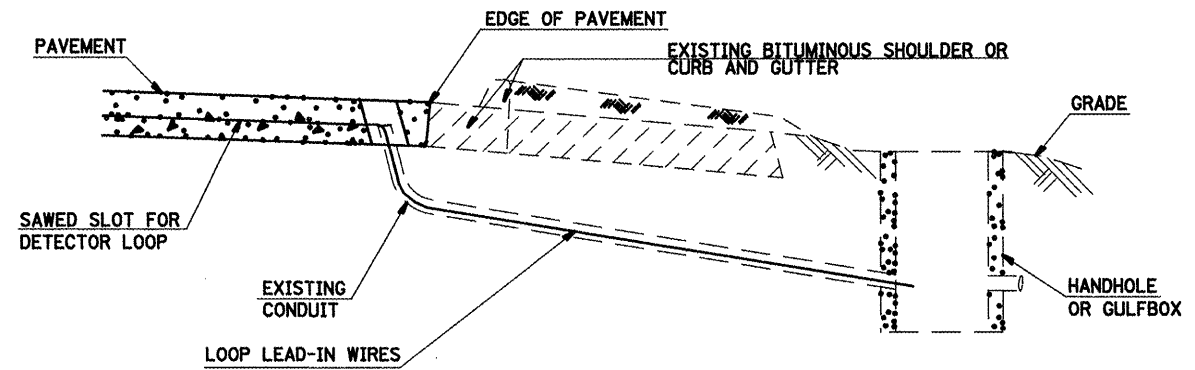
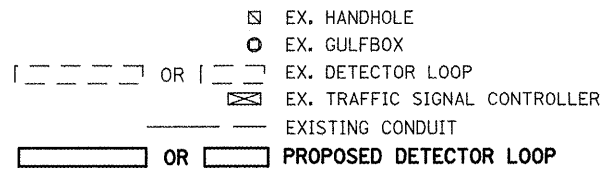
*FAS 2826/FAU 8565

FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 161 INTERSECTION DETAIL		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwork\pwork\conoverpj\d0119570\d8	6b75-sht-plan.dgn	DRAWN -	REVISED -		SCALE: _____	SHEET NO. 1 OF 1 SHEETS	STA. _____	TO STA. _____	106,107,108,109RS-3	MARION	47	44
	PLOT SCALE = 100,0000 ' / IN.	CHECKED -	REVISED -						CONTRACT NO. 76875			
	PLOT DATE = 1/19/2018	DATE -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

NOTES:

SEE TABLE "DETECTOR LOOP REQUIREMENTS AND CALCULATIONS" FOR LOOP SIZE AND CALCULATED NUMBER OF TURNS.
 SEE "ELECTRICAL DETAIL" FOR INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUITS.

TRAFFIC SIGNALS LEGEND



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 37 AND MAIN STREET

LOOP	PHASE (Ø)	LOOP SIZE (FT X FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
1. NB LT CD	3	6 X 40	3	251.1	1.5
2A. NB THRU CD	8	6 X 20	3	157.0	1.2
2B. NB THRU-RT CD	8	6 X 20	3	157.0	1.2
3. WB LT CD	NA	NA	NA	NA	NA
4A. WB THRU CD	NA	NA	NA	NA	NA
4B. WB THRU-RT CD	NA	NA	NA	NA	NA
5A. WB THRU-RT CD	NA	NA	NA	NA	NA
5B. WB THRU-RT CD	NA	NA	NA	NA	NA
6. SB LT CD	7	6 X 40	3	248.4	1.4
7A. SB THRU CD	4	6 X 20	3	150.9	1.0
7B. SB THRU-RT CD	4	6 X 20	3	150.9	1.0
8. EB LT CD	NA	NA	NA	NA	NA
9A. EB THRU CD	NA	NA	NA	NA	NA
9B. NB THRU-RT CD	NA	NA	NA	NA	NA

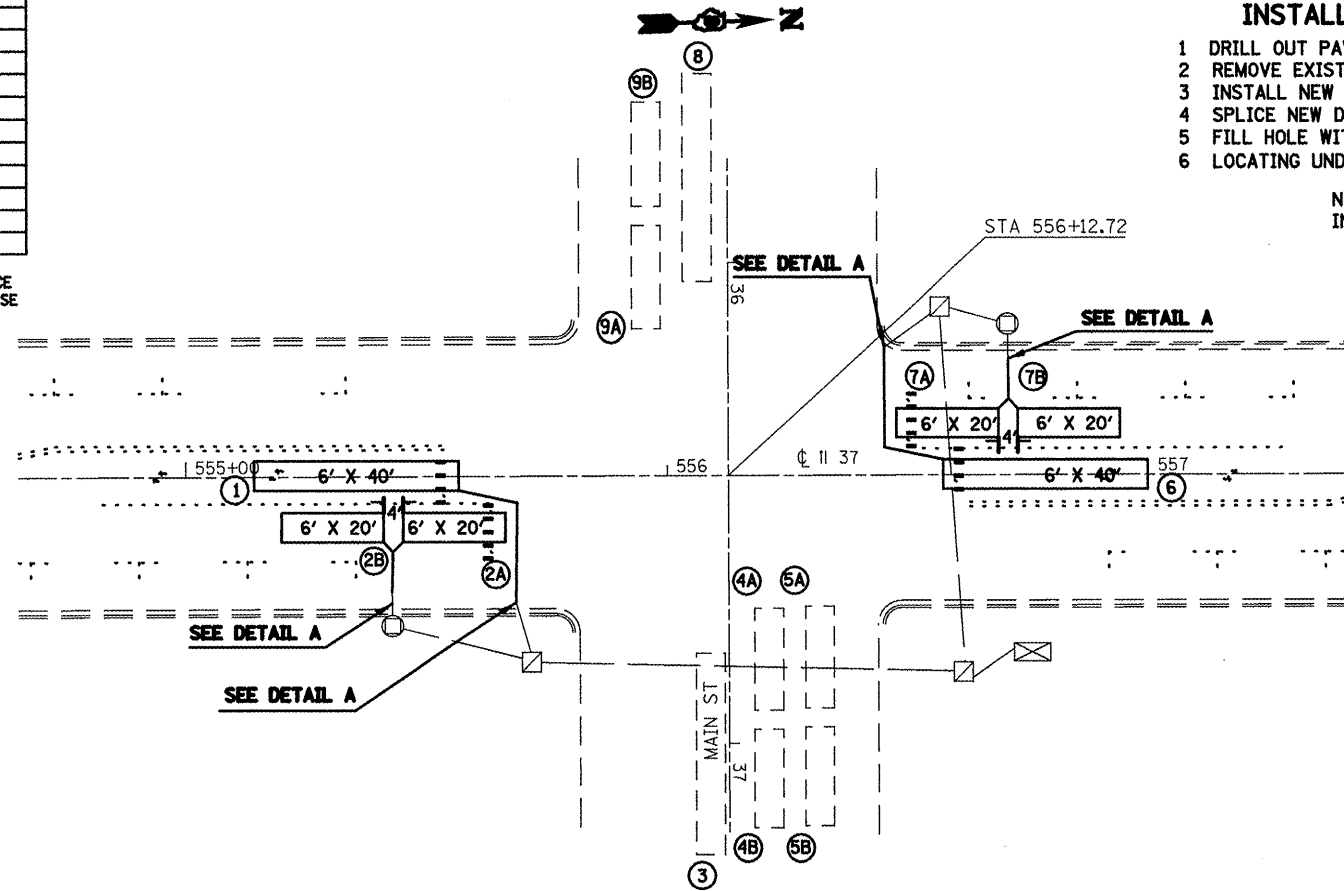
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

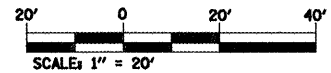
DETAIL A
(NO SCALE)
INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUIT

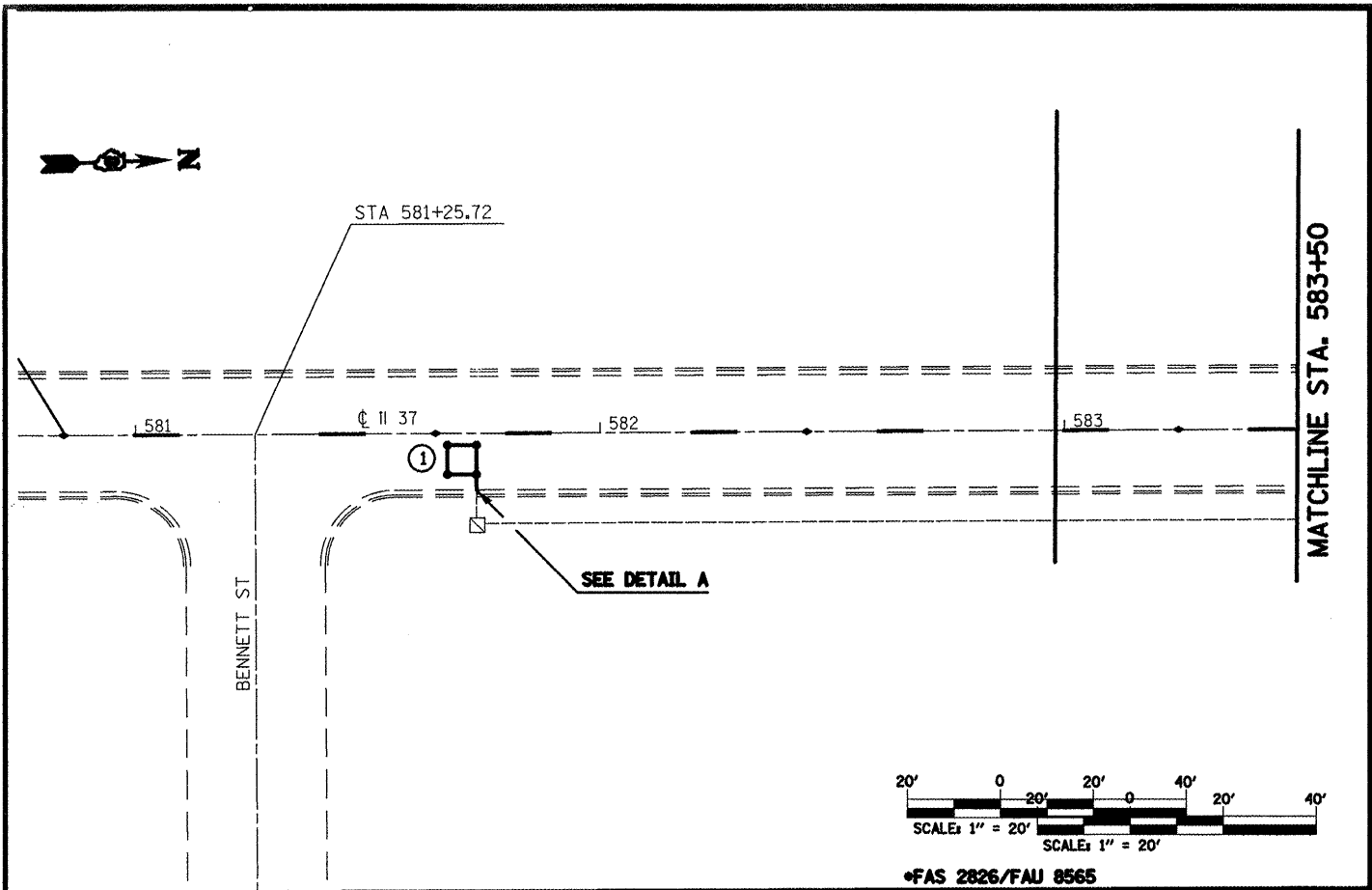
- 1 DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
- 2 REMOVE EXISTING DETECTOR LOOP WIRES TO HANDHOLE OR GULFBOX.
- 3 INSTALL NEW LOOP LEAD-IN WIRES IN EXISTING CONDUIT.
- 4 SPLICE NEW DETECTOR LOOP WIRES TO EXISTING LOOP LEAD-IN CABLE IN HANDHOLE OR GULFBOX.
- 5 FILL HOLE WITH APPROVED SEALER.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

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



SCHEDULE OF QUANTITIES			TOTAL QUANTITIES
CODE NO	ITEM	UNIT	
80500100	LOCATING UNDERGROUND CABLE	FOOT	25
88600600	DETECTOR LOOP REPLACEMENT	FOOT	510



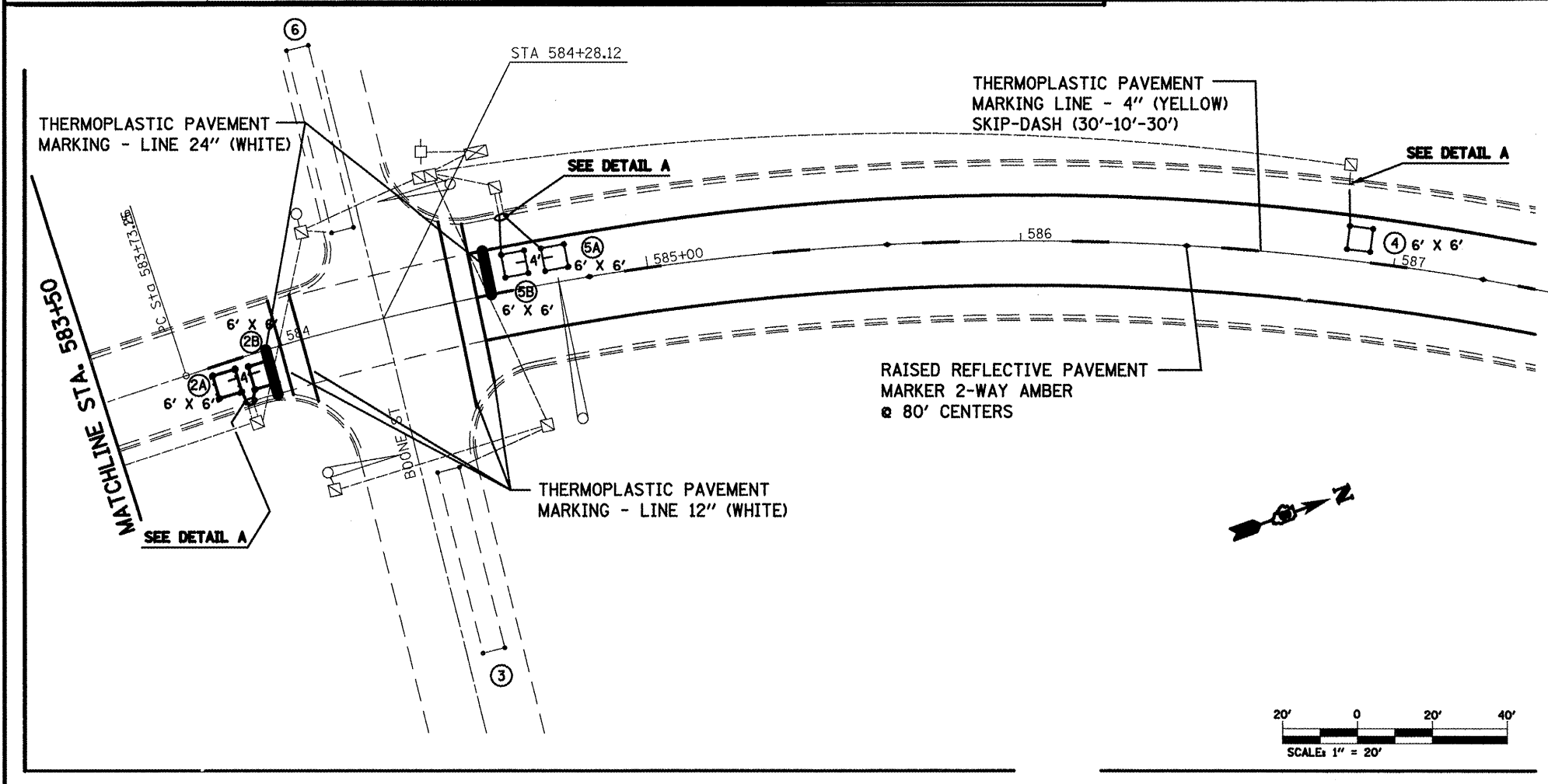


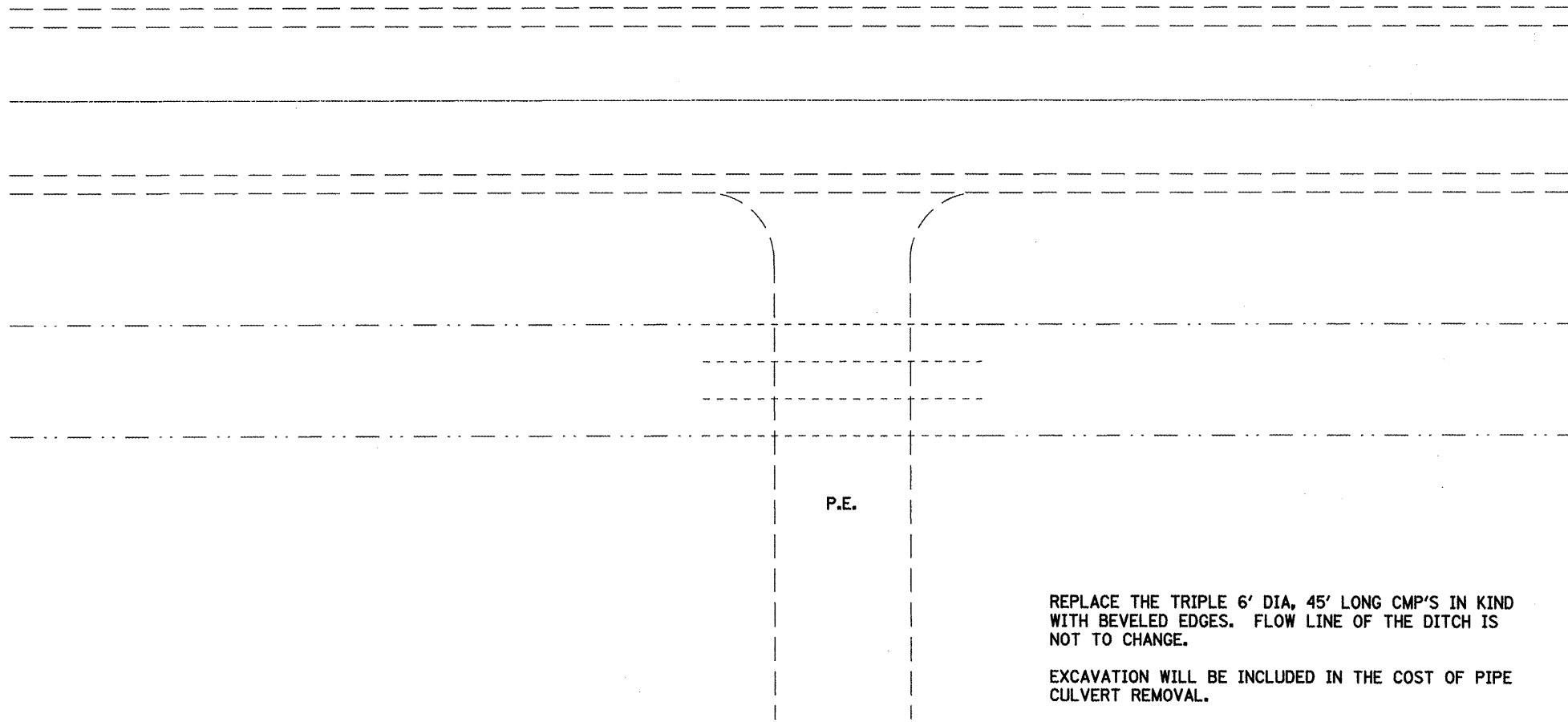
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 37 AND BOONE STREET

LOOP	PHASE (φ)	LOOP SIZE (FT X FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
1. NB CCO	8	6 X 6	5	245.5	2.0
2A. NB THRU CD	8	6 X 6	5	197.8	1.0
2B. NB THRU CD	8	6 X 6	5	197.8	1.0
3. WB CD	NA	NA	NA	NA	NA
4. SB CCO	4	6 X 6	5	246.6	2.1
5A. SB CD	4	6 X 6	5	184.4	0.7
5B. SB CD	4	6 X 6	5	183.3	0.6
6. EB CD	NA	NA	NA	NA	NA

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

SCHEDULE OF QUANTITIES			TOTAL
CODE NO	ITEM	UNIT	QUANTITIES
80500100	LOCATING UNDERGROUND CABLE	FOOT	25
88600600	DETECTOR LOOP REPLACEMENT	FOOT	194





600 STATE ROUTE 37
KELL, IL

P.E.

REPLACE THE TRIPLE 6' DIA, 45' LONG CMP'S IN KIND WITH BEVELED EDGES. FLOW LINE OF THE DITCH IS NOT TO CHANGE.

EXCAVATION WILL BE INCLUDED IN THE COST OF PIPE CULVERT REMOVAL.

BACKFILL MATERIAL AND DRIVEWAY AGGREGATE WILL BE INCLUDED IN THE COST OF THE NEW CULVERTS.

*FAS 2826/FAU 8565

FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT DETAIL		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et\pwork\PWIDOT\CONOVERPJ\d8119570\d875b75-sh1-plandgn	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -				•	(106,107,108,109)RS-3	MARION	47	47
PLOT DATE = 1/19/2010	DATE -	CHECKED -	REVISED -		SCALE: _____ SHEET NO. ____ OF _____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 76B75				
					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						