

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP 42 (IL 127)
SECTION 102-1RS-3, 102-TS
PROJECT ACF-0042 (107)
RESURFACING & TRAFFIC SIGNALS
WASHINGTON COUNTY

C-98-031-13

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	102-1RS-3, 102-TS	WASHINGTON	46	1
		ILLINOIS	CONTRACT NO. 76F47	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IL 127 (HOLZHAUER ST. TO IL 15)

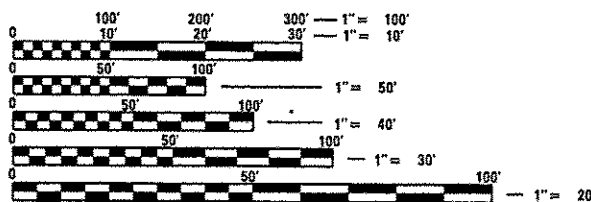
ADT = 8900 (2012) (ACTUAL)
ADT = 9150 (2015) (ESTIMATED)
ADT = 11150 (2035) (ESTIMATED)
SU = 2.2%
MU = 3.9%

IL 127 (IL 15 TO MOCKINGBIRD DR.)

ADT = 8900 (2012) (ACTUAL)
ADT = 9150 (2015) (ESTIMATED)
ADT = 11150 (2035) (ESTIMATED)
SU = 3.1%
MU = 4.2%

IL 127 (MOCKINGBIRD TO STA. 1523+39.18)

ADT = 8900 (2012) (ACTUAL)
ADT = 9150 (2015) (ESTIMATED)
ADT = 11150 (2035) (ESTIMATED)
SU = 3.4%
MU = 8.4%



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

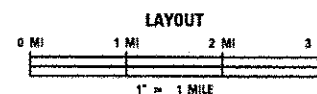
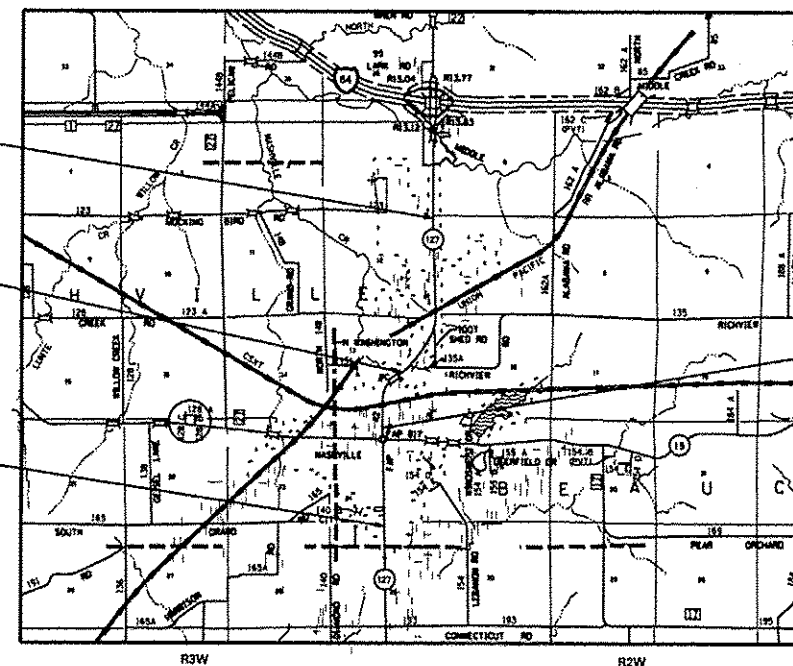
PROJECT ENGINEER: PATTI LEBEAU (618) 346-3179
PROJECT MANAGER: REBECCA THARP (618) 346-3323

CONTRACT NO. 76F47

END PROJECT
STA. 1523 + 40
LAT: + 38.38221
LONG: -89.37100

STA. EQUATION
1400 + 66.93 BK =
1408 + 51.90 AH

BEGIN PROJECT
STA. 927 + 60.00
LAT: + 38.33251
LONG: -89.38094

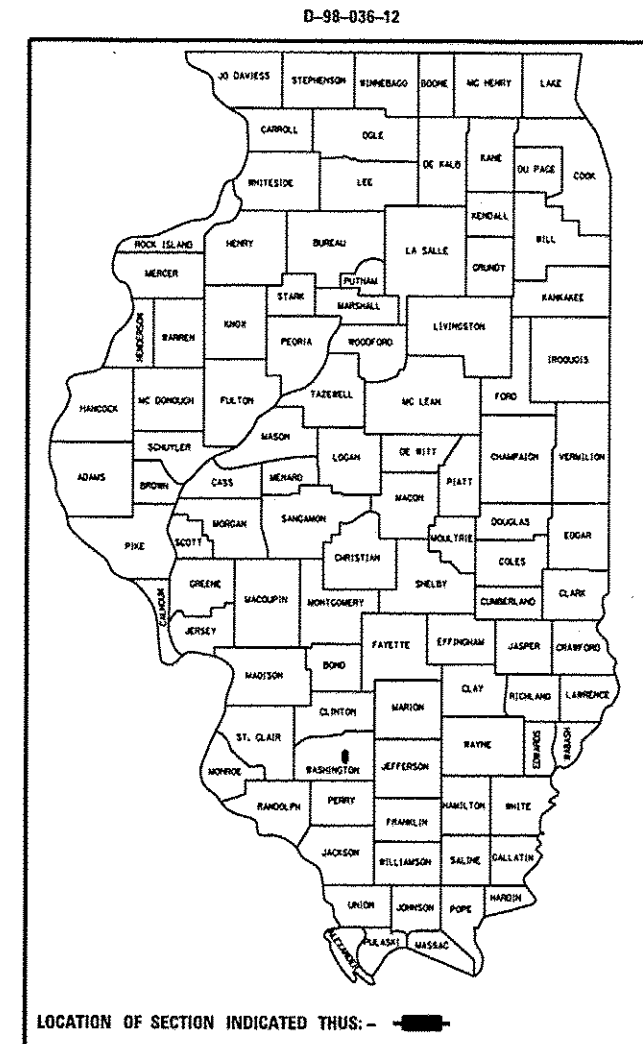


GROSS LENGTH = 19,087 FT. = 3.615 MILE
NET LENGTH = 19,087 FT. = 3.615 MILE

DESIGN DESIGNATION
N/A



STA. EQUATION
978 + 29.08 BK =
1375 + 26.92 AH



LOCATION OF SECTION INDICATED THIS: - [Black bar]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED October 17, 2013
John D. Baranzelli, P.E.
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER
Dec 6, 2013
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT
Dec 6, 2013
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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- 2. GENERAL NOTES, INDEX OF SHEETS, STANDARDS, COMMITMENTS
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- 7. LOCATION MAP
- 8.-10. TYPICAL SECTIONS
- 11.-15. SCHEDULES OF QUANTITIES
- 16.-33. PLAN & PAVEMENT MARKING SHEETS
- 34.-42. ELECTRICAL SHEETS
- 43.-46. DETAILS

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
406201-01	MAILBOX TURNOUT
442201-03	CLASS C AND D PATCHES
542401-01	METAL END SECTION FOR PIPE CULVERTS
630001-10	STEEL PLATE BEAM GUARDRAIL
630101-09	GUARDRAIL MOUNTED ON EXISTING CULVERTS
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-09	TRAFFIC BARRIER TERMINAL, TYPE 2
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MOUNTING AND MARKER DETAILS
701001-02	OFF-RD OPERATIONS, 2L, 2W MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W 15' TO 24' FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY
701336-06	LANE CLOSURE, 2L, 2W, WORK IN SERIES, FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-06	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701801-05	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
701901-03	TRAFFIC CONTROL DEVICES
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-05	STEEL MAST ARM ASSEMBLY & POLE 16' THROUGH 55'
878001-09	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS & FLASHING BEACON INSTALL
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

GENERAL NOTES

- 1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 2. THE LOCATIONS OF THE REPAIR AREAS AS SHOWN IN THE PLANS ARE APPROXIMATE LOCATIONS. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
- 3. NO OVERNIGHT LANE CLOSURES SHALL BE ALLOWED ON THE PROJECT.
- 4. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT SURVEY WAS ONLY PERFORMED FROM STA. 1490+18 TO STA. 1510+50 FOR THIS PROJECT. ALL OTHER STATIONING AND TOPOGRAPHY SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS. BOTH SHALL BE ASSUMED TO BE APPROXIMATE.
- 5. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR I.T.S. UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR I.T.S. EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS.

6. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA 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:

UTILITY	ABOVE GROUND	BELOW GROUND
AMEREN ILLINOIS	X	X
AT&T ILLINOIS	X	X
CHARTER COMMUNICATIONS, INC.	X	X
CLEARWAVE COMMUNICATIONS	X	X
FRONTIER NORTH, INC.	X	X
CITY OF NASHVILLE (WATER & SANITARY)		X
CITY OF NASHVILLE (GAS)		X
TRI-COUNTY ELECTRIC COOPERATIVE, INC.	X	X

MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY * NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- 7. ALL DISTURBED EMBANKMENT AREAS SHALL BE SEEDED WITH CLASS 2A SEED, FERTILIZER AND MULCH AS PER SECTION 250.04 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THE COST FOR PERFORMING THIS WORK SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE BID FOR THE ITEM OF WORK INITIATING THE DISTURBANCE.
- 8. ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES UNLESS OTHERWISE NOTED IN THE PLANS.
- 9. ONLY SHORT TERM PAVEMENT MAKING REMOVAL FROM THE FINAL SURFACE SHALL BE PAID FOR AS "WORK ZONE PAVEMENT MARKING REMOVAL (50 FT)".
- 10. THE TEMPORARY RAMPS USED ON ALL SIDE STREETS AND ENTRANCES SHALL BE 3 FEET IN LENGTH FROM STA. 927+60 TO STA. 1384+97 SO AS NOT TO INTERFERE WITH THE THRU TRAFFIC LANES.
- 11. THE ESTIMATED QUANTITY OF 6750 TONS OF CUTTINGS IS FROM THE HOT-MIX ASPHALT SURFACE REMOVAL OPERATION.
- 12. 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.
- 13. THE USE OF VIBRATORY ROLLERS WILL NOT BE PERMITTED FOR THIS PROJECT FROM STA. 927+60 TO STA. 1384+97. THIS DOES NOT RELIEVE THE CONTRACTOR OF DENSITY REQUIREMENTS FOR THE CONSTRUCTION OF THE BITUMINOUS PAVEMENTS AS SPECIFIED IN SECTIONS 406 & 407 OF THE STANDARD SPECIFICATIONS.
- 14. FLAGGERS SHALL BE REQUIRED AT ALL TIMES DURING PATCHING OPERATIONS.
- 15. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING OF THE PROJECT PLUS THE INTERSECTING SIDEROADS, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48" X 48" FLUORESCENT ORANGE.
- 16. THE INTENT OF THE MILLING IS TO REMOVE THE HMA RESURFACING ONLY. THE UNDERLYING CONCRETE SHALL NOT BE DISTURBED.
- 17. THE VARIOUS THICKNESS OF BITUMINOUS SURFACE REMOVAL SHOWN ON THE PLANS IS THE AVERAGE THICKNESS BASED UPON CONTROLLING THICKNESS AS INDICATED. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE. BITUMINOUS SURFACE REMOVAL HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF REMOVING HIGH IRREGULARITIES AND TO ESTABLISH CROSS SLOPE.
- 18. THE CONTRACTOR SHALL MAINTAIN POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.

COMMITMENTS

NONE

FILE NAME: c:\pwork\pwork\dtd\intel\manjnl\8287304	USER NAME: dintelmanjnl	DESIGNED: -	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, INDEX OF SHEETS, STANDARDS & COMMITMENTS	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN: -	REVISED: -			42	102-IRS-3, 102-TS	WASHINGTON	46	2	
	PLOT SCALE: 1/8"=1'-0"	CHECKED: -	REVISED: -			CONTRACT NO. 76F47					
	PLOT DATE: 10/18/2013	DATE: -	REVISED: -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE		
				0005		0021					0005		0021
				ROADWAY	PARK. LANES	TRAFFIC SIG.					ROADWAY	PARK. LANES	TRAFFIC SIG.
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE	80% FED 10% CITY 10% STATE	80% FED 13.3% STATE 6.7% CITY	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE	80% FED 10% CITY 10% STATE	80% FED 13.3% STATE 6.7% CITY
20400800	FURNISHED EXCAVATION	CU YD	162	162			44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	966	966		
28100107	STONE RIPRAP, CLASS A4	SO YD	653	653			44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SO YD	19371	19371		
28200200	FILTER FABRIC	SO YD	653	653			44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SO YD	7163	4537	2626	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	11	11			44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SO YD	21	21		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	33.4	32.3	1.1		44200156	PAVEMENT PATCHING, TYPE II, 13 INCH	SO YD	30	30		
40600300	AGGREGATE (PRIME COAT)	TON	199	191	8		44200168	PAVEMENT PATCHING, TYPE II, 14 INCH	SO YD	68	68		
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	2168	1947	221		44200172	PAVEMENT PATCHING, TYPE III, 14 INCH	SO YD	32	32		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1387	1387			44200174	PAVEMENT PATCHING, TYPE IV, 14 INCH	SO YD	505	505		
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SO YD	711	711			44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	48024	48024		
40600990	TEMPORARY RAMP	SO YD	1042	1042			48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1399	1399		
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	7189	6968	221		48203100	HOT-MIX ASPHALT SHOULDERS	TON	2173	2173		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	139	139			50105220	PIPE CULVERT REMOVAL	FOOT	76	76		
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SO YD	47414	47414			54215559	METAL END SECTIONS 24"	EACH	2	2		
							54200229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	85	85		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE		
				0005		0021					0005		0021
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 80% FED 20% STATE	PARK, LANES 80% FED 10% CITY 10% STATE	TRAFFIC SIG. 80% FED 13.3% STATE 6.7% CITY	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 80% FED 20% STATE	PARK, LANES 80% FED 10% CITY 10% STATE	TRAFFIC SIG. 80% FED 13.3% STATE 6.7% CITY
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	575	575			70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1		
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	175	175			70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1		
* 63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	37.5	37.5			70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1		
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1			70300100	SHORT TERM PAVEMENT MARKING	FOOT	3997	3997		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	9	9			70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	1012	1012		
63200310	GUARDRAIL REMOVAL	FOOT	475	475			70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	63182	63182		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9			70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	532	532		
67100100	MOBILIZATION	L SUM	1	1			70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2137	2137		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1			70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	248	248		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1			70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1332	1332		
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1			* 72000100	SIGN PANEL - TYPE 1	SQ FT	5			5
							* 72000200	SIGN PANEL - TYPE 2	SQ FT	20			20

*** SPECIALTY ITEMS**

FILE NAME :	USER NAME : dintelman.jn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RATE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr:\pe\work\pudat\dintelman\j\0207304	027GF47\shc\plan.dgn	DRAWN -	REVISED -			42	102-IRS-3,102-TS	WASHINGTON	46	4	
	PLOT SCALE : 100.0000 ' / in.	CHECKED -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 76F47			
	PLOT DATE : 10/10/2013	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE		
				0005		0021					0005		0021
				ROADWAY	PARK. LANES	TRAFFIC SIG.					ROADWAY	PARK. LANES	TRAFFIC SIG.
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE	80% FED 10% CITY 10% STATE	80% FED 13.3% STATE 6.7% CITY	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE	80% FED 10% CITY 10% STATE	80% FED 13.3% STATE 6.7% CITY
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	9	9			* 80500100	SERVICE INSTALLATION, TYPE A	EACH	1			1
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1012	1012			* 81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	72			72
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	63182	63182			* 81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	988			988
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	532	532			* 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	281			281
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2137	2137			* 81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	214			214
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	248	248			* 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	12			12
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	580	580			* 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	9			9
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	18	18			* 81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1			1
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	9	9			* 85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1			1
* 78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	580	580			* 85706000	INTERSECTION MONITOR UNIT	EACH	1			1
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	20			20	* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1603			1603
							* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	486			486

* SPECIALTY ITEM

FILE NAME *	USER NAME = dntelmainj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
01\p-work\pwork\dntelmainj\0287384	0876F47-shr-plan.dgn	DRAWN -	REVISED -			42	102-IRS-3,102-TS	WASHINGTON	46	5	
	PLOT SCALE = 1/8"=1'-0"	CHECKED -	REVISED -			CONTRACT NO. 76P47					
	PLOT DATE = 10/19/2013	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

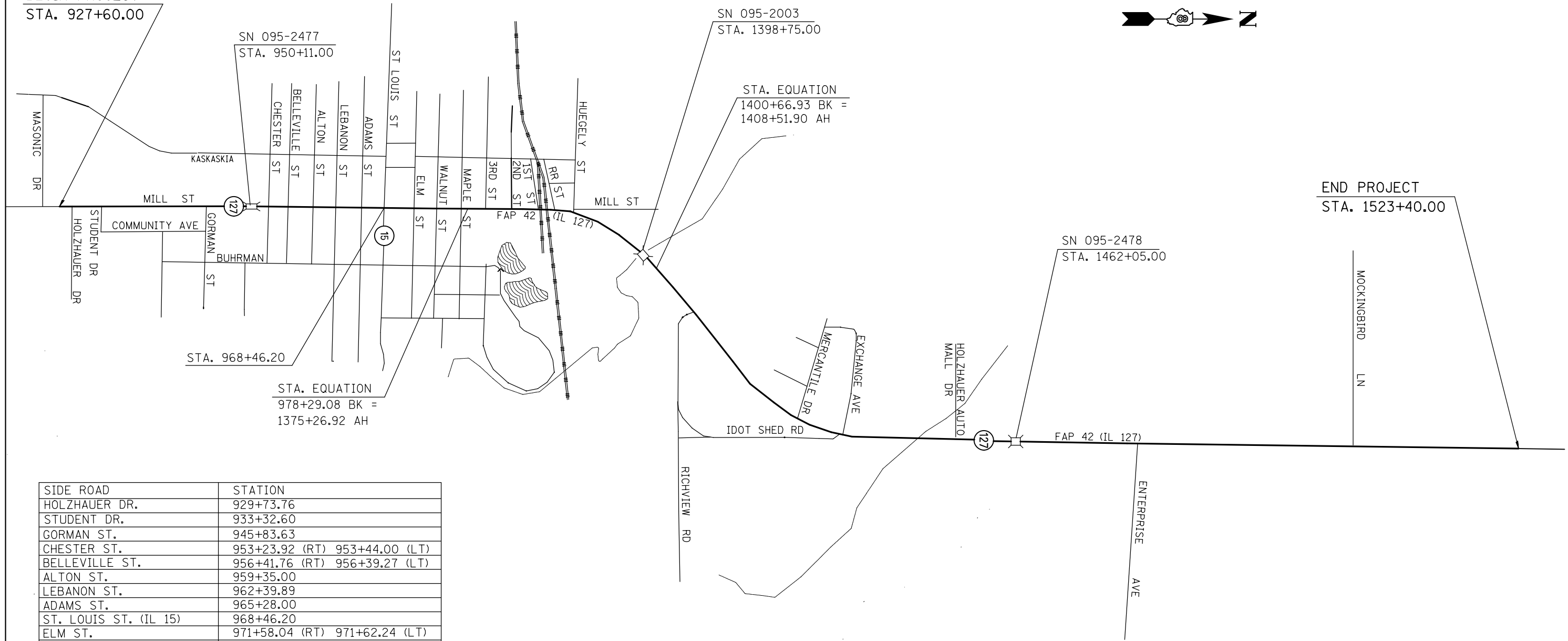
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES						
				0005		0021							
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY	PARK. LANES	TRAFFIC SIG.	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY	PARK. LANES	TRAFFIC SIG.
				80% FED 20% STATE	80% FED 10% CITY 10% STATE	80% FED 13.3% STATE 6.7% CITY					80% FED 20% STATE	80% FED 10% CITY 10% STATE	80% FED 13.3% STATE 6.7% CITY
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2261			2261	* 88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3			3
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	25			25	* 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5			5
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1706			1706	* 88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1			1
* 87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1			1	* 88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1			1
* 87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT	EACH	1			1	* 88200300	TRAFFIC SIGNAL BACKPLATE, PLASTIC	EACH	6			6
* 87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT	EACH	1			1	* 88500100	INDUCTIVE LOOP DETECTOR	EACH	9			9
* 87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT	EACH	1			1	* 88600100	DETECTOR LOOP, TYPE 1	FOOT	1145			1145
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3			3	* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	745	745		
* 87800200	CONCRETE FOUNDATION, TYPE D	FOOT	4			4	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1		
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	37			37	Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	3	3		
Z0076600	TRAINEES	HOUR	1500	1500									
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1500	1500									

0042

FILE NAME =	USER NAME = dntalmon	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\p\work\p\dntalmon\140207304	876F47-sht-plan.dgn	DRAWN -	REVISED -			42	102-1RS-3,102-TS	WASHINGTON	46	6
	PLOT SCALE = 1/8" = 1' / in.	CHECKED -	REVISED -							
	PLOT DATE = 10/18/2013	DATE -	REVISED -							
						SCALE:	SHEET	OF	SHEETS	STA. TO STA.
						ILLINOIS FED. AID PROJECT CONTRACT NO. 76F47				

BEGIN PROJECT
STA. 927+60.00

END PROJECT
STA. 1523+40.00



SIDE ROAD	STATION
HOLZHAUER DR.	929+73.76
STUDENT DR.	933+32.60
GORMAN ST.	945+83.63
CHESTER ST.	953+23.92 (RT) 953+44.00 (LT)
BELLEVILLE ST.	956+41.76 (RT) 956+39.27 (LT)
ALTON ST.	959+35.00
LEBANON ST.	962+39.89
ADAMS ST.	965+28.00
ST. LOUIS ST. (IL 15)	968+46.20
ELM ST.	971+58.04 (RT) 971+62.24 (LT)
WALNUT ST.	974+59.24
MAPLE ST.	977+45.00
3RD ST.	1377+31.10
2ND ST.	1380+15.00
1ST ST.	1383+97.46
RAILROAD ST.	1385+70.36
HUEGELY ST.	1388+65.00
RICHVIEW RD.	1415+85.00
MERCANTILE DR.	1432+45.36
IDOT SHED RD.	1437+76.61 (RT)
EXCHANGE AVE.	1437+76.61 (LT)
HOLZHAUER AUTOMALL DR.	1453+83.75 (RT)
ENTERPRISE AVE.	1474+31.40 (RT)
MOCKINGBIRD RD.	1500+25.69 (LT)

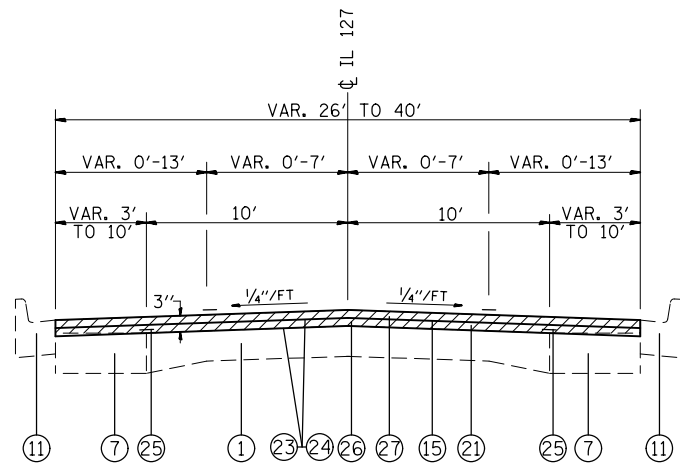
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP

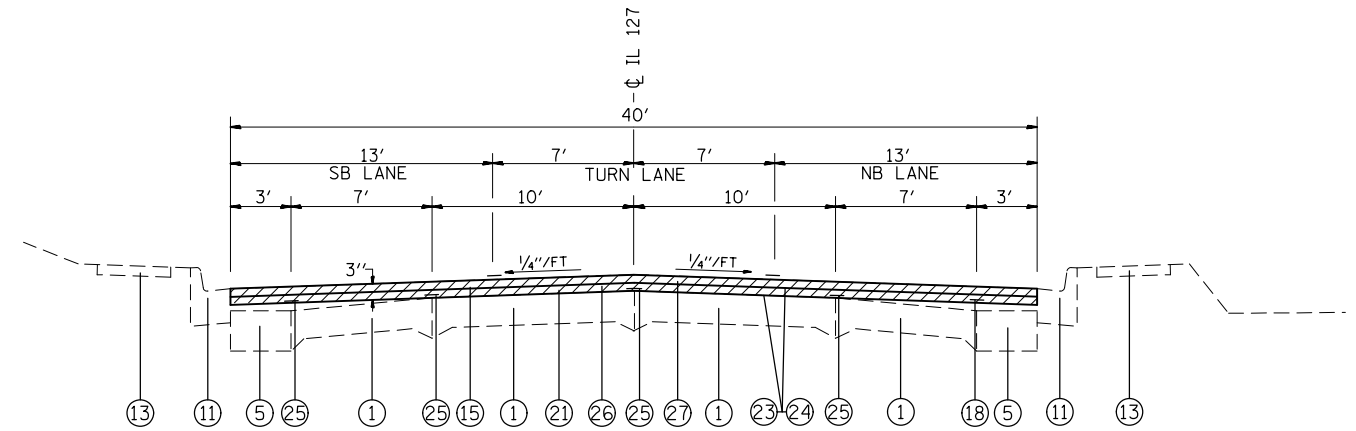
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	102-IRS-3,102-TS	WASHINGTON	46	7
CONTRACT NO. 76F47				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



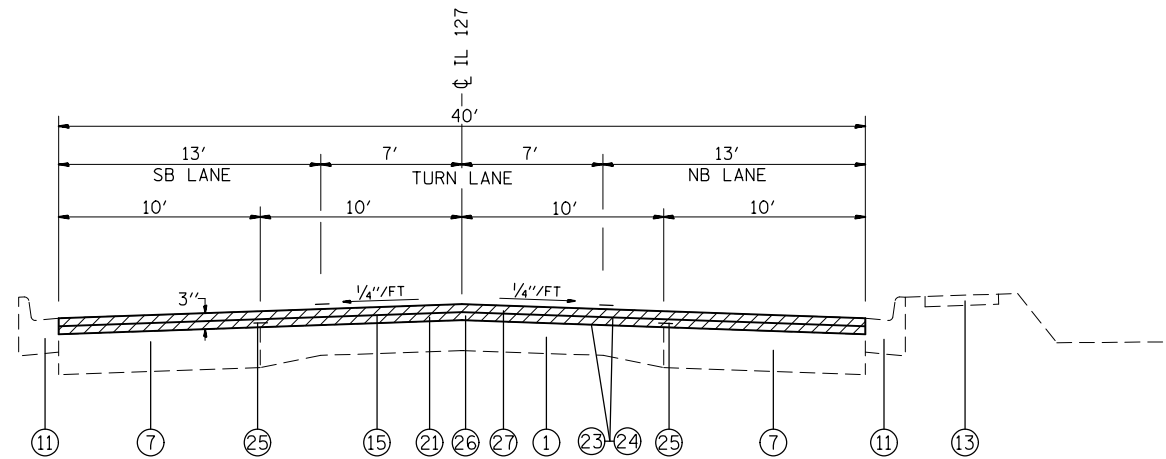
TYPICAL SECTION

STA. 927+60.00 TO STA. 931+03.34



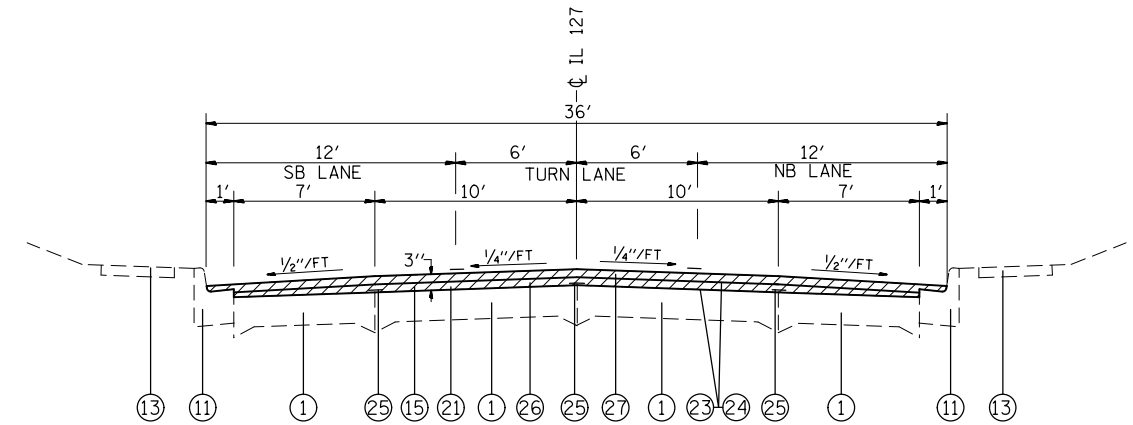
TYPICAL SECTION

STA. 950+80.00 TO STA. 953+60.00



TYPICAL SECTION

STA. 931+03.34 TO STA. 950+80.00



TYPICAL SECTION

STA. 953+60.00 TO STA. 968+46.00

LEGEND

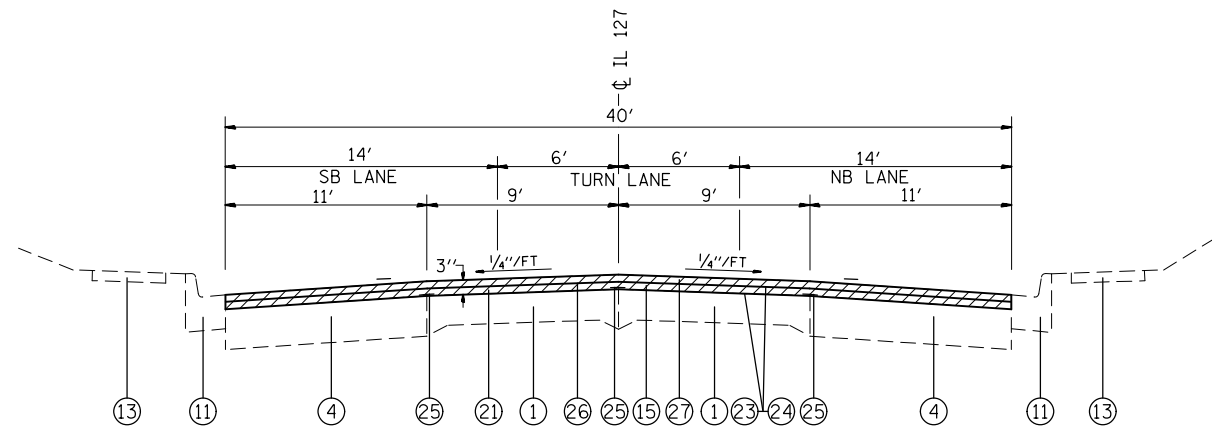
- ① EXISTING PCC PAVEMENT 9-6 1/2-9
- ② EXISTING PCC PAVEMENT 9-6-9
- ③ EXISTING PCC PAVEMENT 9"
- ④ EXISTING CONCRETE WIDENING, 8"
- ⑤ EXISTING CONCRETE WIDENING, 9"
- ⑥ EXISTING HMA BASE COURSE WIDENING 12"
- ⑦ EXISTING HMA WIDENING 10"
- ⑧ EXISTING HMA WIDENING 13 3/4"
- ⑨ EXISTING HMA SHOULDER 9 3/4"
- ⑩ EXISTING HMA SHOULDER 8"
- ⑪ EXISTING COMBINATION CURB & GUTTER TYPE B-6.24
- ⑫ EXISTING AGGREGATE SHOULDER
- ⑬ EXISTING CONCRETE SIDEWALK
- ⑭ EXISTING LONGITUDINAL METAL JOINT
- ⑮ EXISTING HMA RESURFACING 3"
- ⑯ EXISTING HMA RESURFACING 3 3/4"
- ⑰ EXISTING HMA RESURFACING 2 1/2"
- ⑱ EXISTING HMA RESURFACING 4"
- ⑲ EXISTING 3/4" ROUND SMOOTH BAR
- ⑳ PROPOSED HMA SURFACE REMOVAL 3 3/4"
- ㉑ PROPOSED HMA SURFACE REMOVAL 3"
- ㉒ PROPOSED HMA SURFACE REMOVAL 3/4"
- ㉓ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ㉔ PROPOSED AGGREGATE (PRIME COAT)
- ㉕ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉖ PROPOSED LEVELING BINDER (MACHINE METHOD), 1 1/2"
- ㉗ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX D, N90 1 1/2"
- ㉘ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX D, N90 2 1/4"
- ㉙ PROPOSED HMA SHOULDERS, 2 1/4"
- ㉚ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

MIX CHART

MIXTURE USE	POLY SURFACE	LEVEL BINDER	INCIDENTAL HMA	F.D. PATCHING
AC/PG	SBS-PG76-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 9.5	IL 9.5	IL 19.0 F.G.
FRICION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "C"	MIXTURE "B"

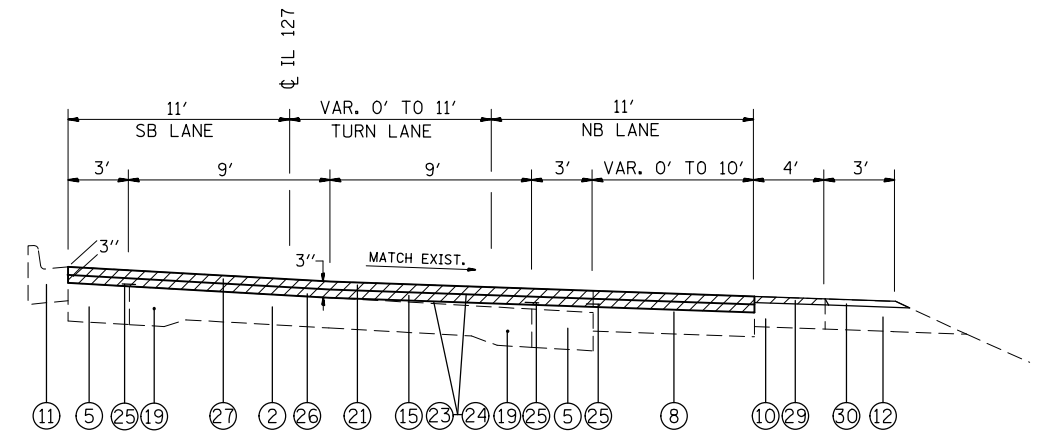
MIXTURE USE	SHOULDERS > 2.25"	SHOULDERS < 2.25"
AC/PG	PG 64-22	PG 64-22
DESIGN AIR VOIDS	**2.0% @ Ndes=30	**2.0% @ Ndes=30
MIX COMPOSITION (GRADATION MIXTURE)	NMAS 3/4"	NMAS 1/2"
FRICION AGG		

•• TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%. PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS).



TYPICAL SECTION

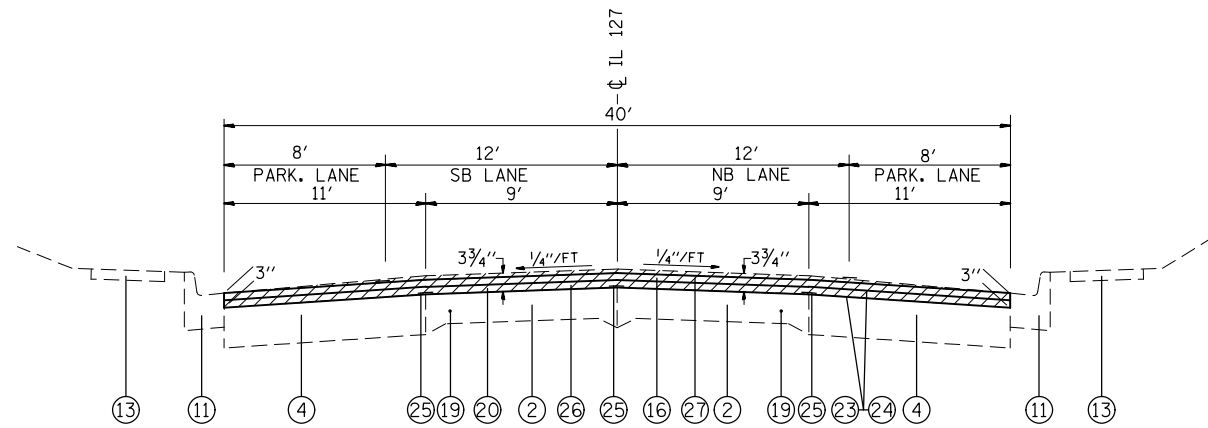
STA. 968+46.00 TO STA. 972+50.00



TYPICAL SECTION

STA. 1384+97.20 TO STA. 1386+33.06

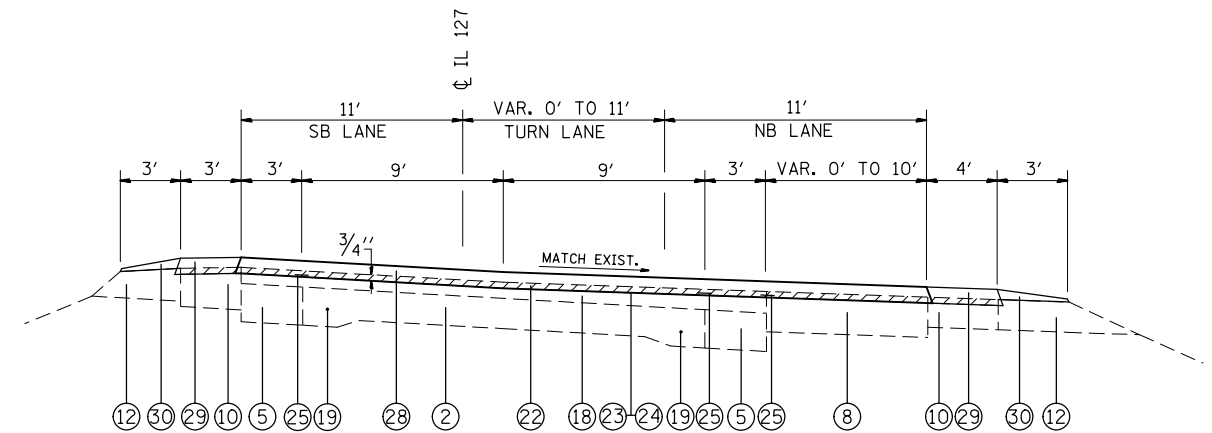
NOTE: THE HMA SURFACE REMOVAL OF THE VARIABLE DEPTH SURFACE WILL BE INCLUDED IN THE PAY ITEM "HMA SURFACE REMOVAL 3 3/4"



TYPICAL SECTION

STA. 972+50.00 TO STA. 1384+97.20*

*STA. EQUATION
978+29.08 BK =
1375+26.92 AH



TYPICAL SECTION

STA. 1386+33.06 TO STA. 1400+66.93**

**STA. EQUATION
1400+66.93 BK =
1408+51.90 AH

LEGEND

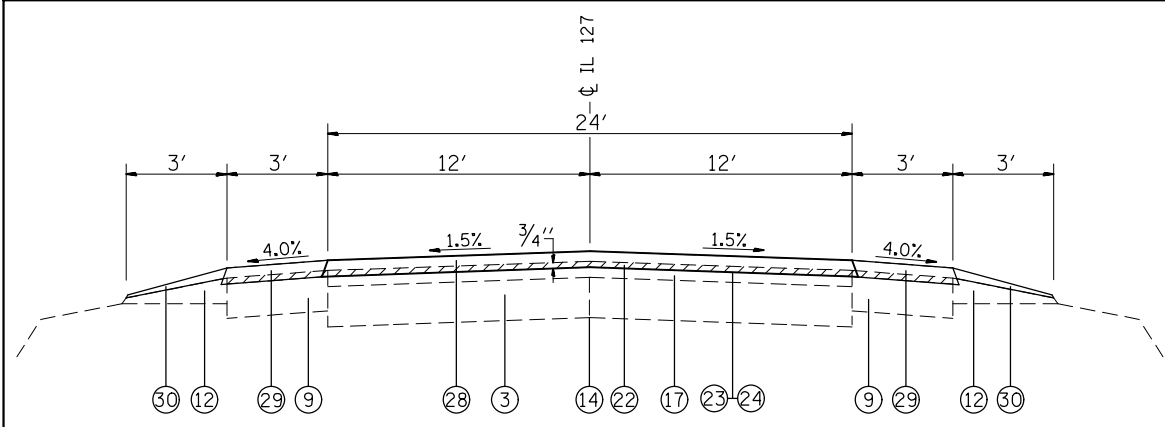
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- ② EXISTING PCC PAVEMENT 9-6-9
- ③ EXISTING PCC PAVEMENT 9"
- ④ EXISTING CONCRETE WIDENING, 8"
- ⑤ EXISTING CONCRETE WIDENING, 9"
- ⑥ EXISTING HMA BASE COURSE WIDENING 12"
- ⑦ EXISTING HMA WIDENING 10"
- ⑧ EXISTING HMA WIDENING 13 3/4"
- ⑨ EXISTING HMA SHOULDER 9 3/4"
- ⑩ EXISTING HMA SHOULDER 8"
- ⑪ EXISTING COMBINATION CURB & GUTTER TYPE B-6.24
- ⑫ EXISTING AGGREGATE SHOULDER
- ⑬ EXISTING CONCRETE SIDEWALK
- ⑭ EXISTING LONGITUDINAL METAL JOINT
- ⑮ EXISTING HMA RESURFACING 3"
- ⑯ EXISTING HMA RESURFACING 3 3/4"
- ⑰ EXISTING HMA RESURFACING 2 1/2"
- ⑱ EXISTING HMA RESURFACING 4"
- ⑲ EXISTING 3/4" ROUND SMOOTH BAR
- ⑳ PROPOSED HMA SURFACE REMOVAL 3 3/4"
- ㉑ PROPOSED HMA SURFACE REMOVAL 3"
- ㉒ PROPOSED HMA SURFACE REMOVAL 3/4"
- ㉓ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ㉔ PROPOSED AGGREGATE (PRIME COAT)
- ㉕ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉖ PROPOSED LEVELING BINDER (MACHINE METHOD), 1 1/2"
- ㉗ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX D, N90 1 1/2"
- ㉘ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX D, N90 2 1/4"
- ㉙ PROPOSED HMA SHOULDERS, 2 1/4"
- ㉚ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

FILE NAME =	USER NAME = dntelmonjn	DESIGNED -	REVISD -
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISD -
	PLOT DATE = 10/18/2013	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
SCALE: _____	SHEET NO. ____ OF ____ SHEETS
STA. _____ TO STA. _____	

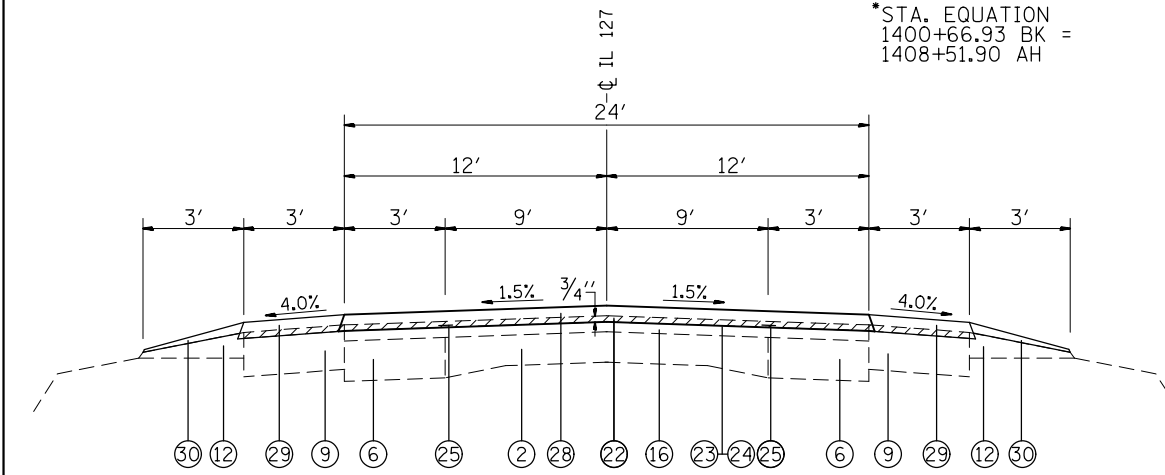
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	102-1RS-3,102-TS	WASHINGTON	46	9
CONTRACT NO. 76F47				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				



TYPICAL SECTION

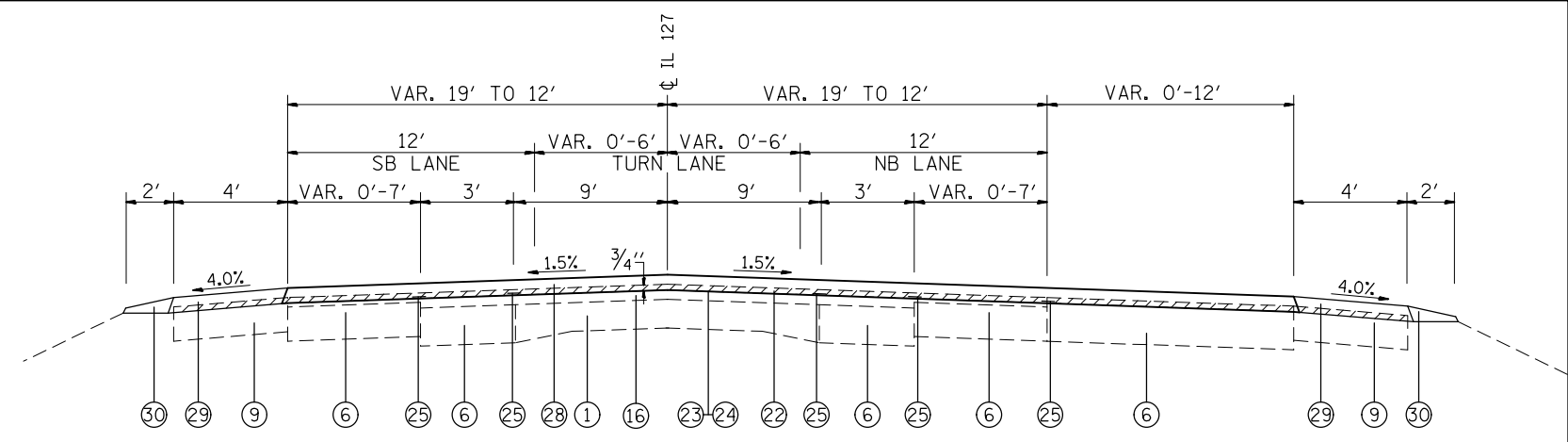
1408+51.90* TO STA. 1447+83.20

*STA. EQUATION
1400+66.93 BK =
1408+51.90 AH



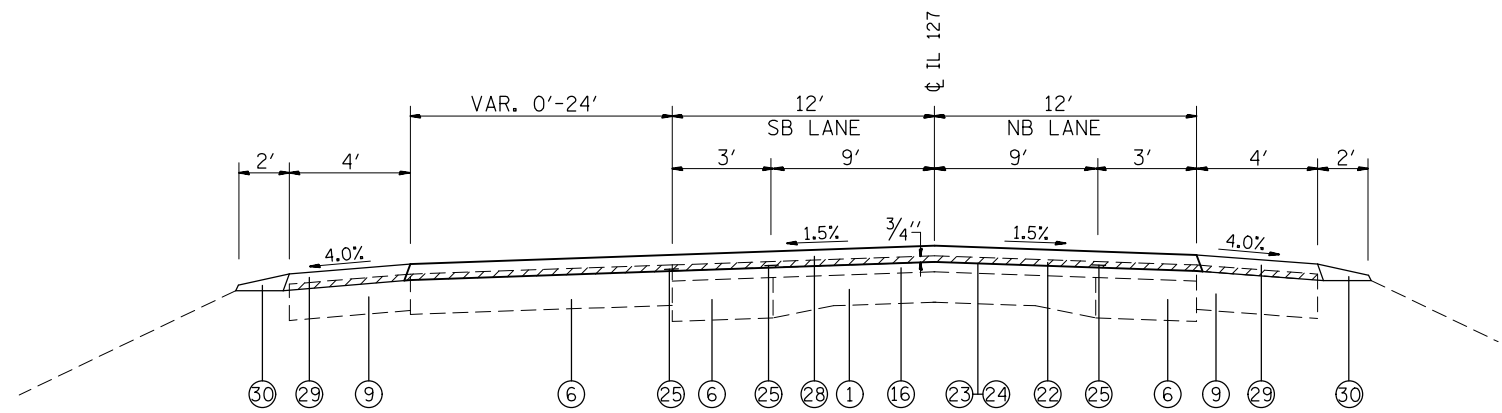
TYPICAL SECTION

STA. 1447+83.20 TO STA. 1467+74.00
STA. 1483+43.00 TO STA. 1492+08.31
STA. 1509+93.08 TO STA. 1523+40.00



TYPICAL SECTION

STA. 1467+74.00 TO STA. 1483+43.00



TYPICAL SECTION

STA. 1493+08.31 TO STA. 1509+93.08

LEGEND

- ① EXISTING PCC PAVEMENT 9-6 1/2-9
- ② EXISTING PCC PAVEMENT 9-6-9
- ③ EXISTING PCC PAVEMENT 9"
- ④ EXISTING CONCRETE WIDENING, 8"
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- ⑱ EXISTING HMA RESURFACING 4"
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- ⑳ PROPOSED HMA SURFACE REMOVAL 3 3/4"
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- ㉘ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX D, N90 2 1/4"
- ㉙ PROPOSED HMA SHOULDERS, 2 1/4"
- ㉚ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	102-IRS-3,102-TS	WASHINGTON	46	10
CONTRACT NO. 76F47				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

MAINLINE RESURFACING SCHEDULE										
LOCATION			HMA SURFACE REMOVAL, 3/4"	HMA SURFACE REMOVAL, 3 3/4"	HMA SURFACE REMOVAL, 3"	BIT. MAT'LS (PRIME COAT)	AGGREGATE (PRIME COAT)	LEVELING BINDER (MACHINE METHOD), N90	POLYMERIZED HMA SURFACE COURSE MIX D, N 90	STRIP REFLECTIVE CRACK CONTROL TREATMENT
			(SQ YD)	(SQ YD)	(SQ YD)	(TON)	(TON)	(TON)	(TON)	(TON)
STA.	TO	STA.								
927+60	TO	929+60			600.00	0.38	1.80	50.40	50.40	400
929+60	TO	931+03			540.22	0.34	1.62	45.38	45.38	286
931+03	TO	953+10			9808.89	6.14	29.43	823.95	823.95	6621
953+10	TO	954+08			413.78	0.26	1.24	34.76	34.76	294
954+08	TO	954+60			208.00	0.13	0.62	17.47	17.47	156
954+60	TO	966+73			4649.83	2.91	13.95	390.59	390.59	3639
966+73	TO	967+48			275.00	0.17	0.83	23.10	23.10	225
967+48	TO	969+57			847.61	0.53	2.54	71.20	71.20	627
969+57	TO	972+50			1302.22	0.81	3.91	109.39	109.39	879
972+50	TO	1375+27		2573.33		1.61	7.72	216.16	216.16	1737
1375+27	TO	1384+25		4589.78		1.25	11.97	335.25	335.25	2694
1384+30	TO	1384+91			203.33	0.05	0.49	13.66	13.66	183
1384+97	TO	1386+33			521.33	0.13	1.29	36.18	36.18	408
1386+33	TO	1389+08	1191.67			0.32	3.03		127.05	825
1389+08	TO	1390+72	646.89			0.17	1.61		67.73	492
1390+72	TO	1400+67	3316.67			0.83	7.96		334.32	1990
1408+52	TO	1467+75	19743.33			4.94	47.38		1990.13	11846
1467+75	TO	1471+39	1712.22			0.46	4.41		185.16	728
1471+39	TO	1473+25	1129.85			0.31	3.02		126.74	372
1473+25	TO	1476+18	1456.86			0.39	3.78		158.95	586
1476+18	TO	1478+03	914.22			0.25	2.37		99.62	927
1478+03	TO	1483+43	2218.27			0.58	5.58		234.18	2698
1483+43	TO	1493+08	3216.67			0.81	7.72		324.24	1930
1493+08	TO	1498+74	2265.44			0.59	5.66		237.87	1699
1498+74	TO	1501+44	1259.72			0.34	3.24		136.05	810
1501+44	TO	1503+16	1030.20			0.29	2.75		115.38	515
1503+16	TO	1506+65	1626.99			0.44	4.18		175.71	1046
1506+65	TO	1523+70	5684.53			1.42	13.64		573.00	3411
TOTAL			47414	7163	19371	27	194	2168	7054	48024

SHOULDER SCHEDULE					
LOCATION			BIT. MAT'LS (PRIME COAT)	AGGREGATE WEDGE SHOULDER, TYPE B	HOT-MIX ASPHALT SHOULDERS
STA.	TO	STA.	(TON)	(TON)	(TON)
1384+97	TO	1390+00	0.18	51.33	73.92
1390+00	TO	1395+50	0.23	64.16	92.40
1395+50	TO	1409+00	0.23	64.16	92.40
1409+00	TO	1414+50	0.23	64.16	92.40
1414+50	TO	1420+00	0.21	57.75	83.16
1420+00	TO	1425+50	0.22	62.12	89.46
1425+50	TO	1431+00	0.23	64.16	92.40
1431+00	TO	1436+50	0.22	60.78	87.53
1436+50	TO	1442+00	0.19	54.31	78.20
1442+00	TO	1447+50	0.21	59.38	85.51
1447+50	TO	1453+00	0.23	64.16	92.40
1453+00	TO	1458+50	0.21	58.91	84.84
1458+50	TO	1464+00	0.22	61.60	88.70
1464+00	TO	1467+74	0.16	43.63	62.83
1467+74	TO	1469+50	0.07	10.19	29.34
1469+50	TO	1475+00	0.25	34.76	100.13
1475+00	TO	1480+50	0.31	42.78	123.20
1480+50	TO	1483+43	0.16	22.79	65.63
1483+43	TO	1486+00	0.11	29.98	43.18
1486+00	TO	1491+50	0.23	64.16	92.40
1491+50	TO	1497+00	0.22	60.43	87.02
1497+00	TO	1502+50	0.21	58.62	84.42
1502+50	TO	1508+00	0.22	60.55	87.19
1508+00	TO	1513+50	0.23	64.16	92.40
1513+50	TO	1519+00	0.23	64.16	92.40
1519+00	TO	1523+70	0.20	54.83	78.96
TOTAL			5.4	1399	2173

ENTRANCE SCHEDULE								
LOCATION	SIDE	BIT/AGG/CONC	MAILBOX TURNOUT	INCIDENTAL HMA SURFACING	BIT MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	AGGREGATE SURFACE COURSE, TYPE B	PCC SURFACE REMOVAL-BUTT JOINT
STATION	LT/RT		YES/NO	TON	TON	TON	TON	SQ YD
1393+21	RT	AGG	NO	0.48	0.002	0.009		
1396+35	RT	AGG	NO	0.68	0.003	0.013		
1399+40	LT	AGG	NO	0.51	0.002	0.010		
1419+57	LT	AGG	NO	0.79	0.003	0.015		
1419+65	RT	AGG	NO	0.51	0.002	0.010		
1423+93	LT	CONC	NO	2.80	0.010	0.050		33.33
1432+37	RT	AGG	NO	1.11	0.005	0.022		
1444+20	LT	CONC	NO	3.85	0.016	0.075		50
1446+31	LT	CONC	NO	3.15	0.012	0.056		37.5
1451+38	RT	AGG	NO	0.68	0.003	0.013		
1453+81	RT	AGG	YES	0.51	0.002	0.010	3.4	
1461+41	LT	CONC	NO	3.15	0.012	0.056		37.5
1466+15	LT	AGG	NO	0.43	0.002	0.008		
1466+19	RT	AGG	YES	0.75	0.003	0.015	3.4	
1468+28	LT	CONC	NO	3.73	0.014	0.067		44.44
1468+28	RT	CONC	NO	3.50	0.013	0.063		41.67
1474+24	LT	CONC	NO	14.00	0.052	0.250		166.67
1479+45	RT	AGG	NO	0.60	0.002	0.012		
1494+46	RT	BIT	YES	0.68	0.003	0.013	3.4	
1496+72	LT	CONC	NO	9.33	0.035	0.167		111.11
1505+61	LT	CONC	NO	7.47	0.028	0.133		88.89
TOTAL				59	0.2	1	11	611

SIDE ROAD SCHEDULE							
LOCATION	SIDE	HMA SURFACE REMOVAL, 1 1/2"	BIT. MAT'L (PRIME COAT)	AGGREGATE (PRIME COAT)	POLYMERIZED HMA SURFACE COURSE MIX D, N 90	INCIDENTAL HMA SURFACING	COMMENTS
STATION	LT/RT	(SQ YD)	(TON)	(TON)	(TON)	(TON)	
929+74	RT	161.00	0.05	0.24		13.52	HOLZHAUER DR.
953+24	RT	72.22	0.02	0.11		6.07	CHESTER ST.
956+39	LT	56.22	0.02	0.08		4.72	BELLEVILLE ST.
959+35	LT	55.00	0.03	0.13		7.00	ALTON ST.
959+36	RT	70.00	0.03	0.15		8.40	ALTON ST.
962+40	LT	70.00	0.03	0.15		8.40	LEBANON ST.
1388+65	LT	482.00	0.15	0.72	40.49		HUEGELY ST.
1416+10	RT		0.03	0.14		8.05	RICHVIEW RD.
1432+45	LT		0.02	0.08		4.20	MERCANTILE DR.
1437+77	LT		0.03	0.15		8.40	EXCHANGE AVE.
1437+77	RT		0.02	0.10		5.60	IDOT SHED RD.
1453+84	LT		0.02	0.10		5.60	HOLZHAUER AUTOMALL DR.
1474+31	RT		0.19	0.89	49.98		ENTERPRISE AVE.
1500+26	LT		0.17	0.79	44.44		MOCKINGBIRD LN.
TOTAL =		966	0.8	4	135	80	

STONE RIPRAP SCHEDULE				
LOCATION		STONE RIPRAP CLASS A4	FILTER FABRIC	
IL 127		SQ YD	SQ YD	
1498+60	TO 1499+00	98.89	98.89	
1499+00	TO 1499+50	119.44	119.44	
1499+50	TO 1500+00	119.44	119.44	
1500+00	TO 1500+50	116.67	116.67	
1500+50	TO 1501+00	116.67	116.67	
1501+00	TO 1501+35	81.67	81.67	
TOTAL		653	653	

GUARDRAIL SCHEDULE										
LOCATION	SIDE	GUARDRAIL REMOVAL	SPBGR, TYPE A 6' POSTS	SPBGR, TYPE A 9' POSTS	SPBGR, ATTACH. TO STRUCT.	TRAFFIC BARRIER TERMINAL TYPE 1, (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL, TYPE 2	TERMINAL MARKER DIRECT APPLIED	GUARDRAIL MARKERS, TYPE A	FURNISHED EXCAVATION
MILE PT.	LT/RT	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	(CU YD)
1460+01	RT					1		1		18
1460+51	RT		150						4	
1461+66	LT	125	37.5				1		1	
1461+98	LT				12.5					
1461+98	RT	100			12.5					
1462+10.5	RT		25			1		1	1	18
1462+10.5	LT		137.5						3	
1463+60.5	LT					1		1		18
1498+60	RT					1		1	4	18
1499+10	RT			175						
1500+85	RT					1		1		18
1506+18	RT					1		1		18
1506+68	RT	125	75						2	
1506+91	LT	125				1		1		18
1507+41	LT				6.25					
1507+43	RT				6.25					
1507+47	LT		125						3	
1507+49	RT		25						1	
1507+99	RT					1		1		18
1508+72	LT					1		1		18
TOTALS		475	575	175	37.5	9	1	9	18	162

LOCATION			THERMOPLASTIC PAVEMENT MARKING										RAISED REFLECTIVE PAVEMENT MARKERS	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	SHORT TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL		
			4"				8"	12"			24"	LETTERS AND SYMBOLS						
			SOLID WHITE	SOLID YELLOW	WHITE SKIP DASH	SKIP-DASH YELLOW CENTERLINE	STRIPED ISLANDS	YELLOW CROSS HATCH	CROSS WALK	WHITE CROSS HATCH	SOLID WHITE STOP BARS						FOOT	SQ FT
STA.	TO	STA.	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT		
927+60	TO	933+00	412	1211		86				27				62.4	27	27	212	71
933+00	TO	938+50		1100		275				88				93.6	26	26	220	73
938+50	TO	944+00		1100		275				80				93.6	28	28	220	73
944+00	TO	949+50		1100		275								78	28	28	220	73
949+50	TO	955+00		1100		275				96				78	28	28	220	73
955+00	TO	960+50		1100		275				166				93.6	28	28	220	73
960+50	TO	966+00		1100		275				144				93.6	26	26	220	73
966+00	TO	971+50	200	1413						58	276		67	62.4	20	34	180	60
971+50	TO	977+00	924	833		105				16	192			8	8	326	109	
977+00	TO	1379+50	925	86		138					98			7	7	144	48	
1379+50	TO	1384+50	909	695		75							36	61.2	9	9	144	48
1384+50	TO	1390+00	1015	1591	30					60			36	92.4	28	36	110	37
1390+00	TO	1395+50	1100	758		120				6				10	10	62	21	
1395+50	TO	1409+00	1130	517		142								7	7	55	18	
1409+00	TO	1414+50	1100			137.5								7	7	55	18	
1414+50	TO	1420+00	960			137.5								7	7	55	18	
1420+00	TO	1425+50	1100	245		137.5								6	6	55	18	
1425+50	TO	1431+00	1100	550		137.5								7	7	55	18	
1431+00	TO	1436+50	1010	550		137.5								7	7	55	18	
1436+50	TO	1442+00	933	550		137.5								7	7	55	18	
1442+00	TO	1447+50	1100	678		80								7	7	55	18	
1447+50	TO	1453+00	1100	550		137.5								7	7	55	18	
1453+00	TO	1458+50	1030	550		137.5								7	7	55	18	
1458+50	TO	1464+00	1100	600		137.5								6	6	55	18	
1464+00	TO	1469+50	1100	1031	16	90				19				13	13	73	24	
1469+50	TO	1475+00	1246	1133	64		426			69		350	56	93.6	29	42	120	40
1475+00	TO	1480+50	1275	1816	76					87				31.2	28	28	110	37
1480+50	TO	1486+00	1100	1389		60				29				18	18	85	28	
1486+00	TO	1491+50	1100	200		137.5								7	7	55	18	
1491+50	TO	1497+00	1100	1494		40				91				20	20	94	31	
1497+00	TO	1502+50	1248	1485	42		106			143		70	53	62.4	33	41	97	32
1502+50	TO	1508+00	1160	1696		40				60				15.6	22	22	103	34
1508+00	TO	1513+50	1100	190		137.5								7	7	55	18	
1513+50	TO	1519+00	1100	40		137.5								7	7	55	18	
1519+00	TO	1523+70	940	500		110								5	5	47	16	
SUB TOTAL			29617	28951	228	4386	532	665	1140	420	248	1012	580	580	3997	1332		
TOTAL			63182				532	2225			248	1012	580	580	3997	1332		

LOCATION			TEMPORARY PAVEMENT MARKING										LETTERS AND SYMBOLS			
			4"				8"	12"			24"					
			SOLID WHITE	SOLID YELLOW	WHITE SKIP DASH	SKIP-DASH YELLOW CENTERLINE	STRIPED ISLANDS	YELLOW CROSS HATCH	CROSS WALK	WHITE CROSS HATCH	SOLID WHITE STOP BARS	FOOT		SQ FT		
STA.	TO	STA.	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
SUB TOTAL			29617	28951	228	4386	532	665	1140	420	248	1012				
TOTAL			63182				532	2225			248	1012				

TEMP. RAMP/BUTT JOINT SCHEDULE					
LOCATION	LT/RT	TEMPORARY RAMP	HMA SURFACE REMOVAL - BUTT JOINT	P.C.C SURFACE REMOVAL - BUTT JOINT	COMMENTS
MILE PT.		SQ YD	SQ YD	SQ YD	
927+60		28.89			BEG. RESURF.
928+36	LT	10.00			
928+87	LT	3.67			
929+74	RT	16.67			HOLZHAUER ST.
930+63	RT	3.33			
931+75	LT	10.00			
932+94	LT	10.00			
933+10	RT	8.33			
933+59	RT	8.33			
934+41	LT	8.33			
934+61	RT	4.00			
935+50	LT	11.67			
936+35	LT	11.67			
937+37	LT	11.67			
938+60	LT	8.33			
941+57	LT	4.00			
941+60	RT	4.00			
941+88	RT	4.00			
942+30	LT	6.67			
942+64	LT	8.33			
943+21	LT	6.67			
943+46	RT	4.00			
943+64	LT	8.33			
944+08	LT	6.67			
944+19	RT	6.67			
945+86	RT	16.67			GORMAN ST.
946+07	LT	6.67			
946+97	LT	8.33			
947+55	RT	4.00			
948+32	LT	5.00			
948+56	LT	5.00			
949+07	RT	8.33			
949+76	LT	8.33			
951+34	LT	11.67			
951+59	RT	5.00			
953+24	RT	16.67			CHESTER ST.
953+44	LT	16.67			CHESTER ST.
954+83	LT	11.67			
956+39	LT	16.67			BELLEVILLE ST.
956+42	RT	16.67			BELLEVILLE ST.
957+59	RT	5.00			
957+78	RT	5.00			
957+93	LT	5.00			
958+13	LT	5.00			
959+35	RT	16.67			ALTON ST.
959+35	LT	16.67			ALTON ST.
960+00	RT	26.67			
960+55	LT	4.00			
960+65	LT	5.00			
962+40	LT	16.67			LEBANON ST.
962+40	RT	16.67			LEBANON ST.
SUBTOTALS (1)		493.89			

TEMP. RAMP/BUTT JOINT SCHEDULE					
LOCATION	LT/RT	TEMPORARY RAMP	HMA SURFACE REMOVAL - BUTT JOINT	P.C.C SURFACE REMOVAL - BUTT JOINT	COMMENTS
MILE PT.		SQ YD	SQ YD	SQ YD	
	LT	10.00			
963+65	RT	6.67			
964+05	RT	4.00			
965+10	LT	4.00			
965+28	LT	10.00			
965+28	RT	10.00			
966+46	RT	7.33			
966+53	LT	10.00			
967+11	LT	10.00			
967+11	RT	10.00			
970+05	LT	8.33			
970+85	LT	11.67			
970+55	RT	10.00			
971+62	LT	10.00			ELM ST.
971+62	RT	10.00			ELM ST.
973+02	LT	10.00			
974+59	LT	10.00			WALNUT ST.
974+59	RT	10.00			WALNUT ST.
975+30	LT	6.67			
977+45	LT	10.00			
977+45	RT	10.00			
978+70	LT	4.00			
978+70	RT	4.00			
1376+37	LT	4.00			
1377+02	RT	4.00			
1377+31	LT	10.00			
1378+05	LT	4.00			
1378+35	RT	4.00			
1378+77	LT	4.00			
1380+15	LT	8.33			2ND ST.
1381+20	RT	13.33			
1382+05	LT	16.67			
1382+77	RT	13.33			
1383+00	LT	16.67			
1383+43	RT	11.67			
1383+97	LT	13.33			1ST ST.
1383+70	LT	23.33			RAILROAD ST.
1416+10	RT	38.33	96.00		IDOT SHED RD.
1432+45	LT	20.00	50.00		MERCANTILE DR.
1437+77	LT	30.00		100.00	EXCHANGE AVE.
1453+84	LT	26.67	67.00		HOLZHAUR RD.
1474+31	RT	43.33	595.00		ENTERPRISE DR.
1500+26	LT	30.00	529.00		MOCKINGBIRD LN.
1523+40		16.67	50.00		END RESURF.
SUBTOTALS (2)		548.33	1387.00	100.00	
TOTALS		1042	1387	100	

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	PLOT DATE = 10/18/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	102-IRS-3,102-TS	WASHINGTON	46	14
CONTRACT NO. 76F47				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PAVEMENT PATCHING								
LOCATION	NB/SB	LENGTH	WIDTH	PAVEMENT PATCHING 12"	PAVEMENT PATCHING 13"	PAVEMENT PATCHING 14"		
				TYPE 2	TYPE 2	TYPE 2	TYPE 3	TYPE 4
		(FEET)	(FEET)	(SQ YD)				
STATION								
969+30	SB	6	14	10				
975+35	NB	7	12		10			
1377+10	NB	6	12		8			
1374+60	NB	6	12		8			
1400+10	NB	12	12				16	
1400+10	SB	12	12				16	
1422+50	NB	6	12			8		
1422+50	SB	6	12			8		
1463+80	NB	6	12			8		
1463+80	SB	6	12			8		
1488+00	NB	6	12			8		
1523+15	NB	10	12			14		
1523+15	SB	10	12			14		
1463+00	SB	300	3					100
1464+00	NB	390	3					130
1466+00	SB	190	3					64
1485+00	NB	200	3					67
1490+00	SB	30	3					10
1493+50	NB	100	3					67
1519+25	SB	200	3					67
RICHVIEW RD.				8				
SUB-TOTAL				18	26	68	32	505
15% FOR ANTICIPATED FAILURES				2.7	3.9	10.2	4.8	75.75
TOTAL				21	30	78	37	581

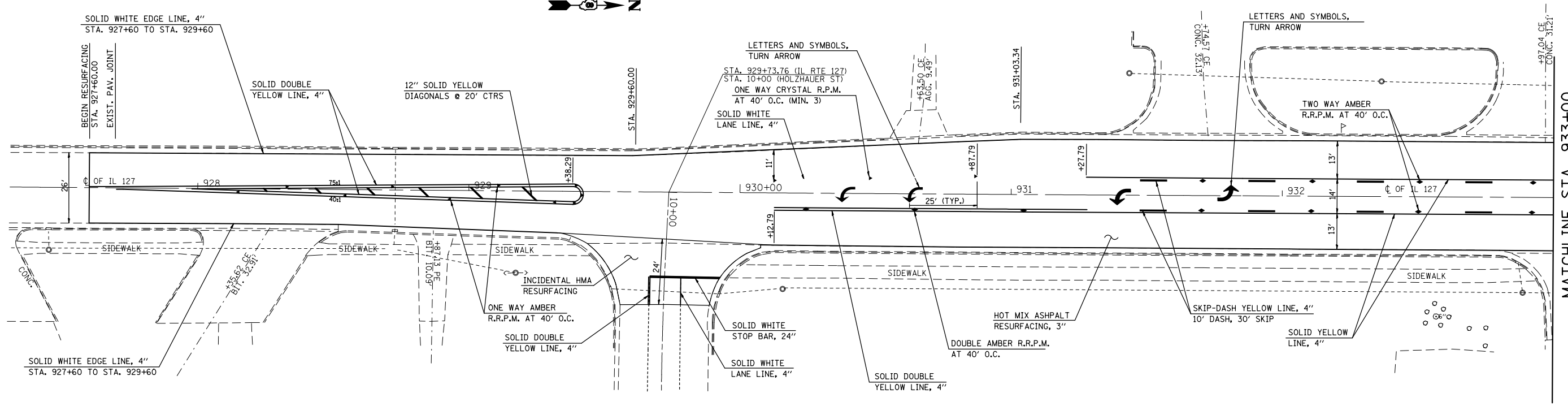
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

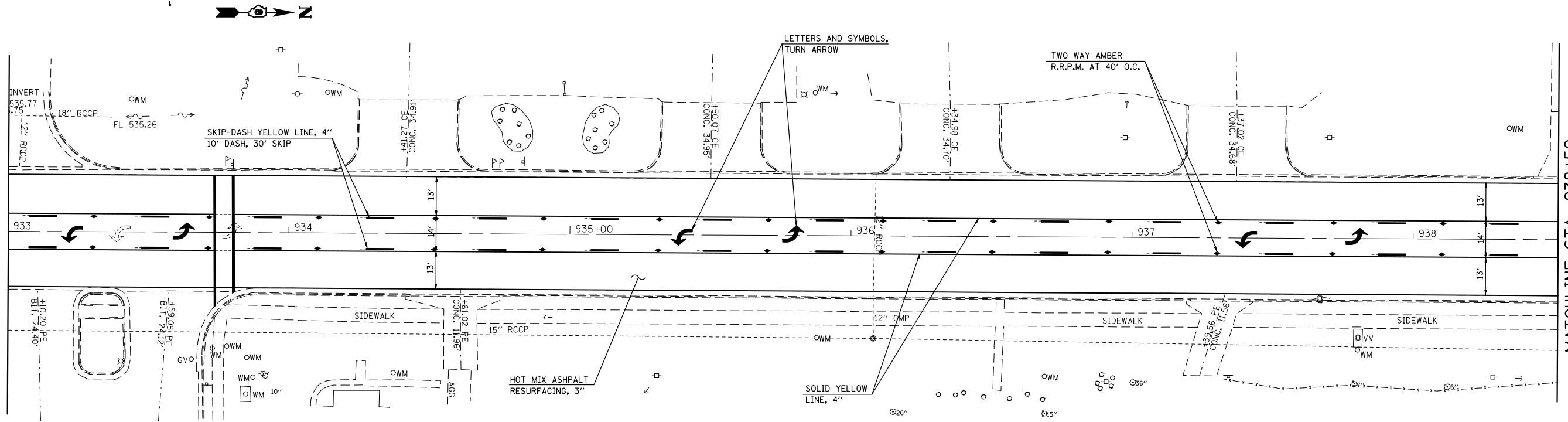
SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	102-IRS-3,102-TS	WASHINGTON	46	15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76F47	



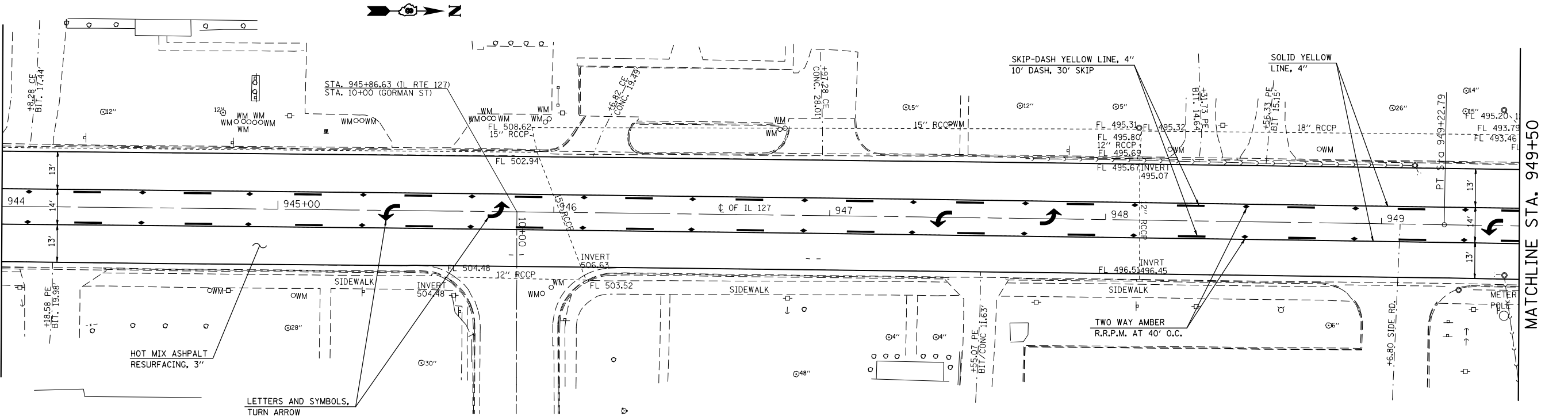
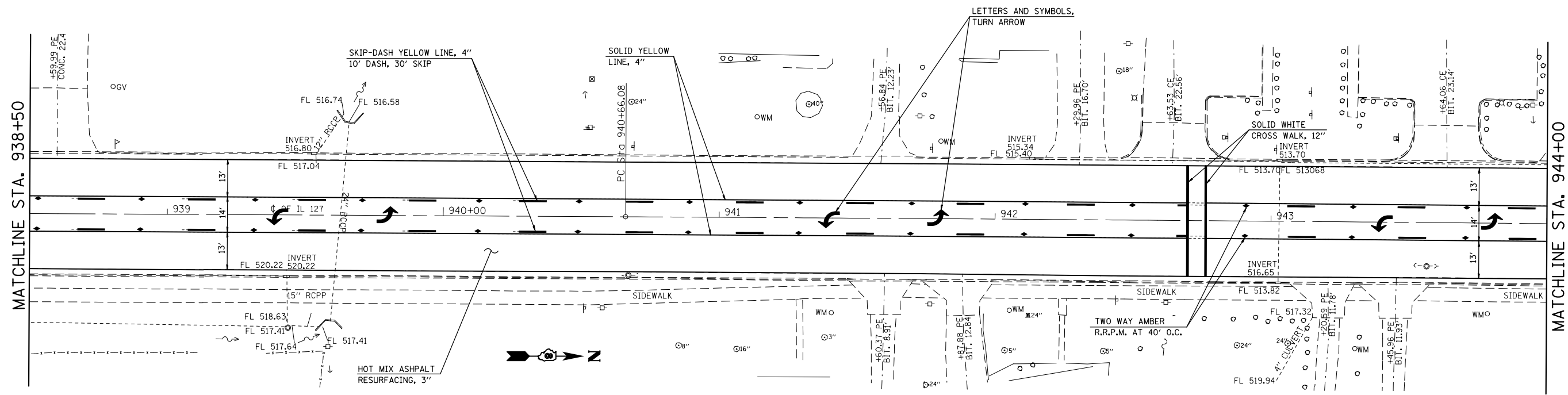
MATCHLINE STA. 933+00



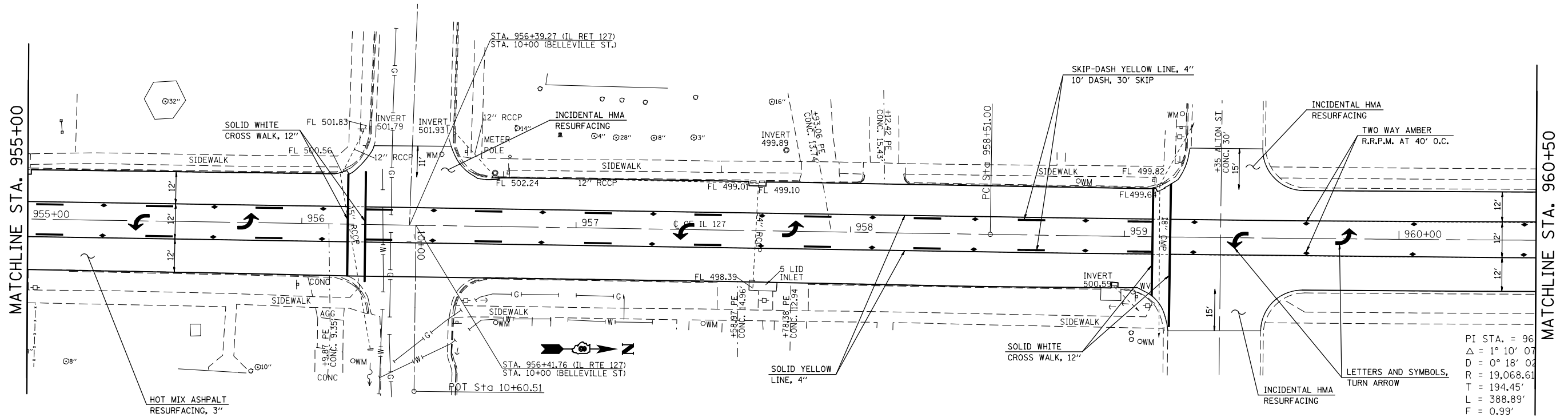
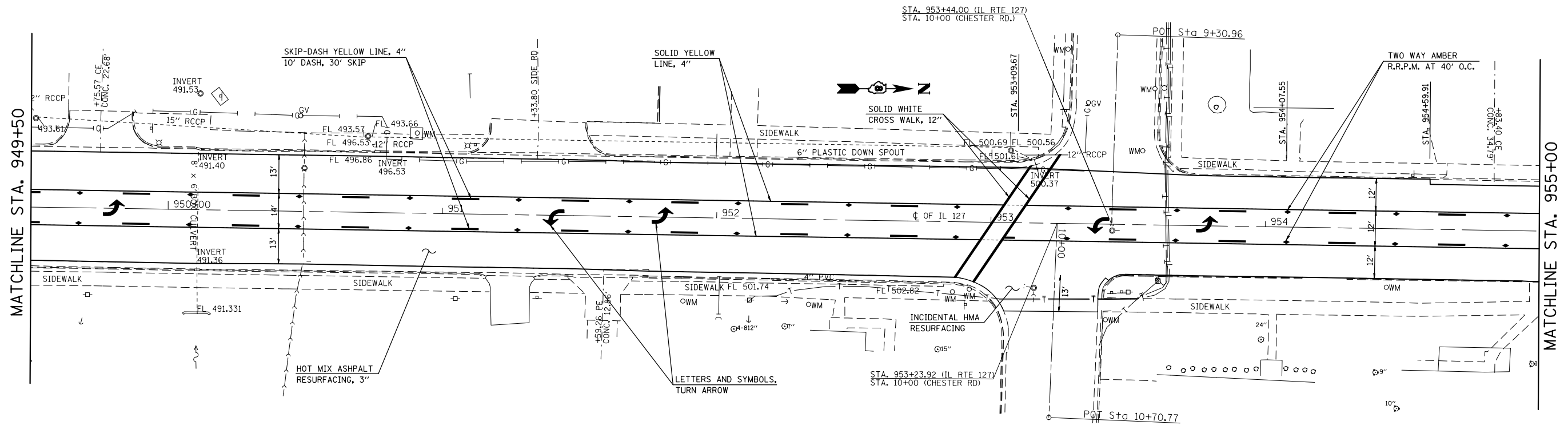
MATCHLINE STA. 933+00

MATCHLINE STA. 938+50

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		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		



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	PLOT DATE = 10/18/2013	CHECKED -	REVISED -									WASHINGTON	46	17
		DATE -	REVISED -									CONTRACT NO. 76F47		



PI STA. = 96
 $\Delta = 1^\circ 10' 07''$
 $D = 0^\circ 18' 02''$
 $R = 19,068.61'$
 $T = 194.45'$
 $L = 388.89'$
 $F = 0.99'$

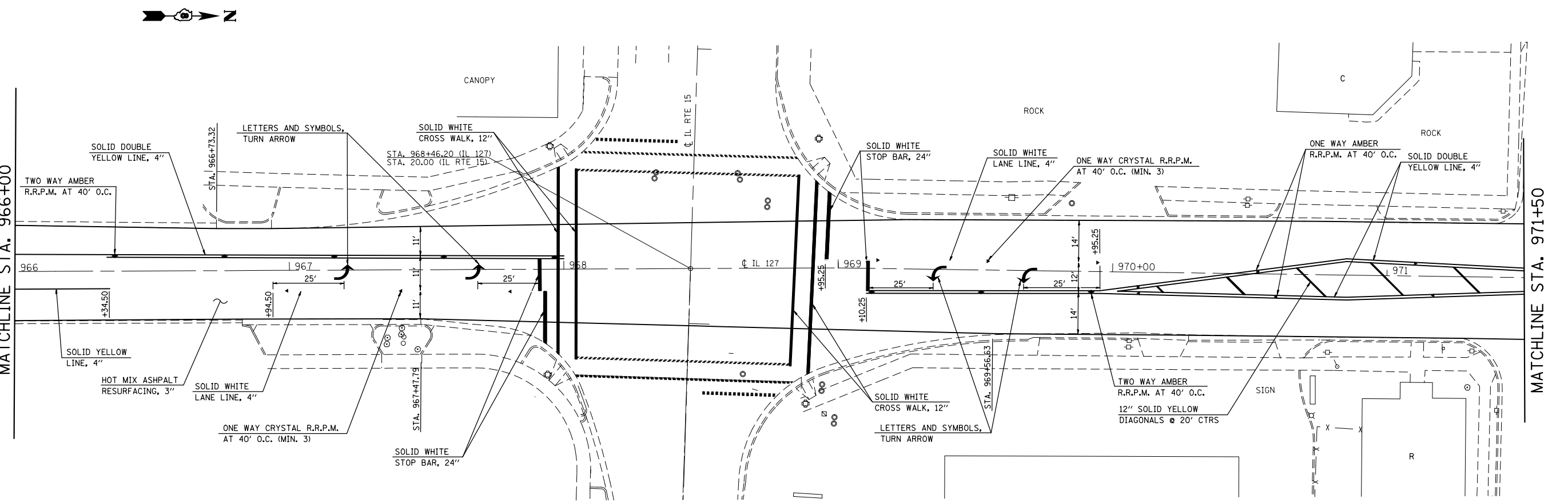
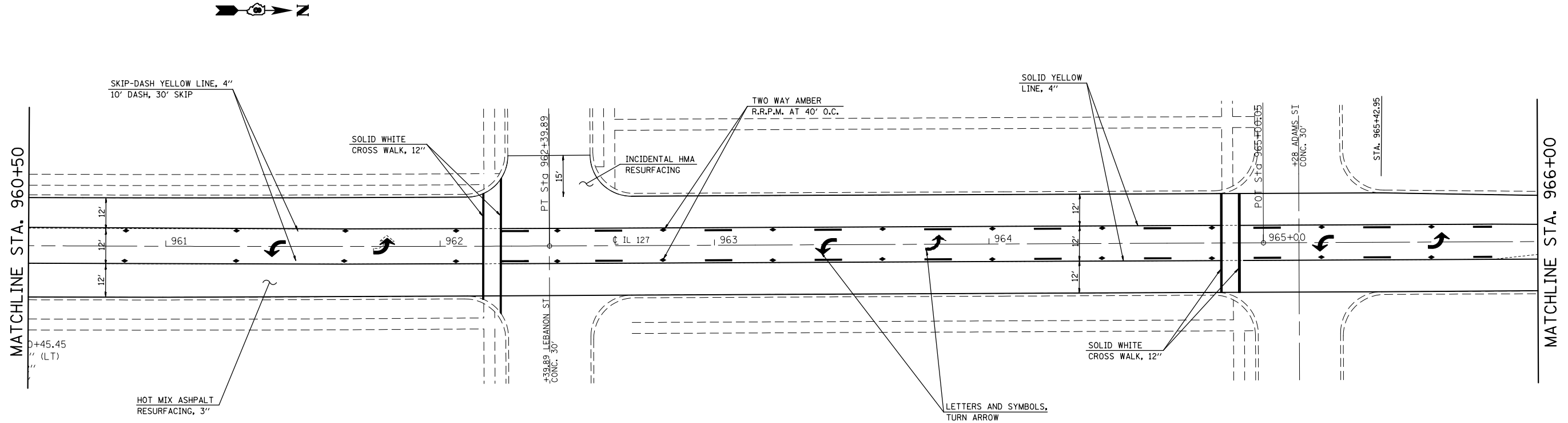
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PAVEMENT
MARKING SHEETS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	102-1RS-3,102-TS	WASHINGTON	46	18
CONTRACT NO. 76F47				
ILLINOIS FED. AID PROJECT				



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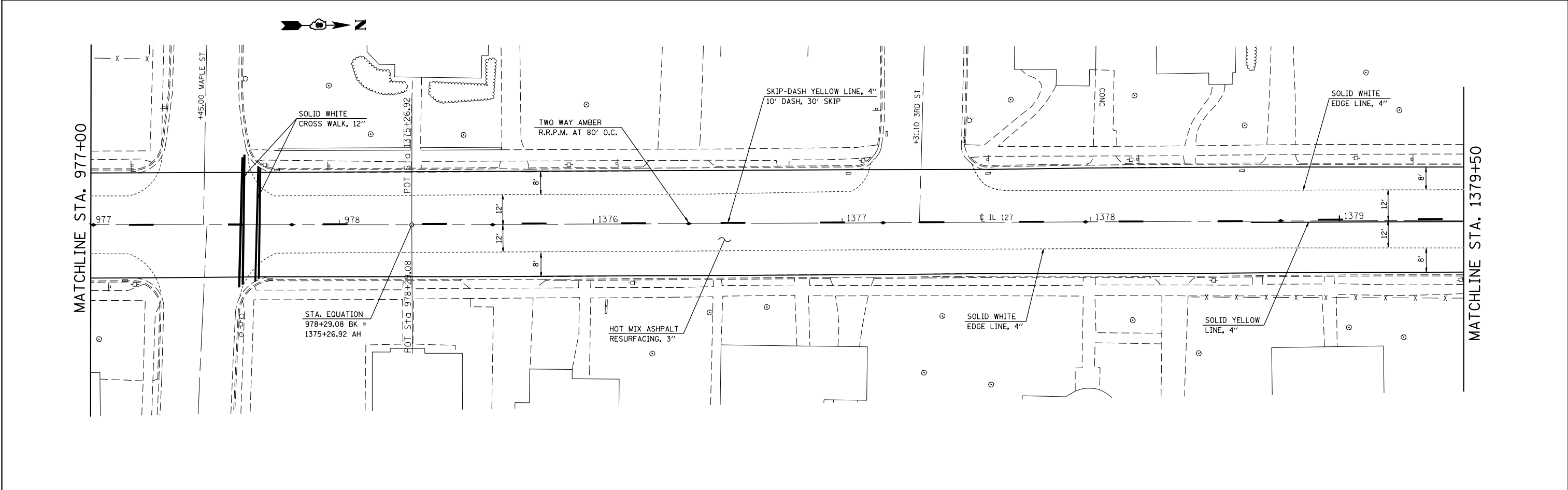
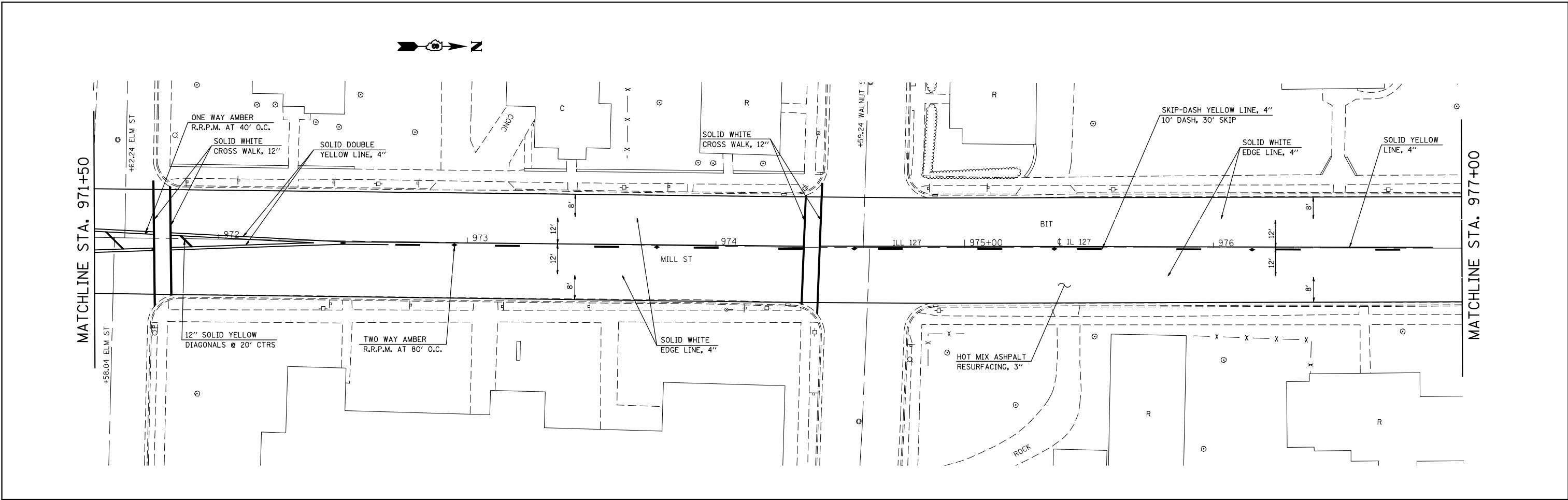
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN & PAVEMENT
MARKING SHEETS**

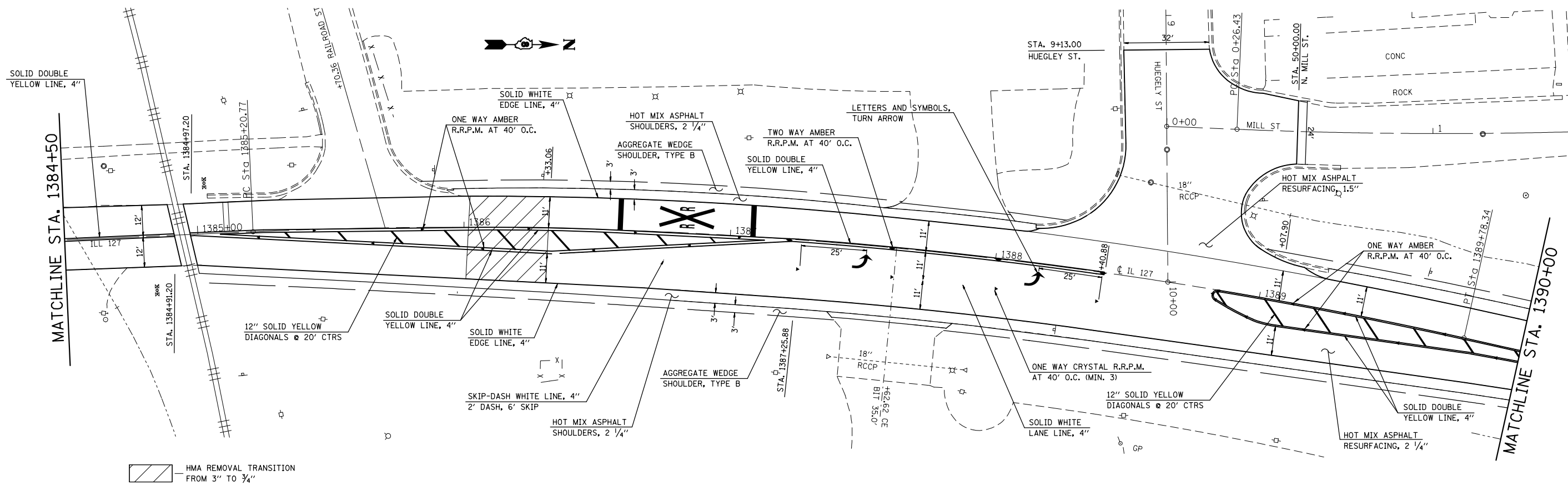
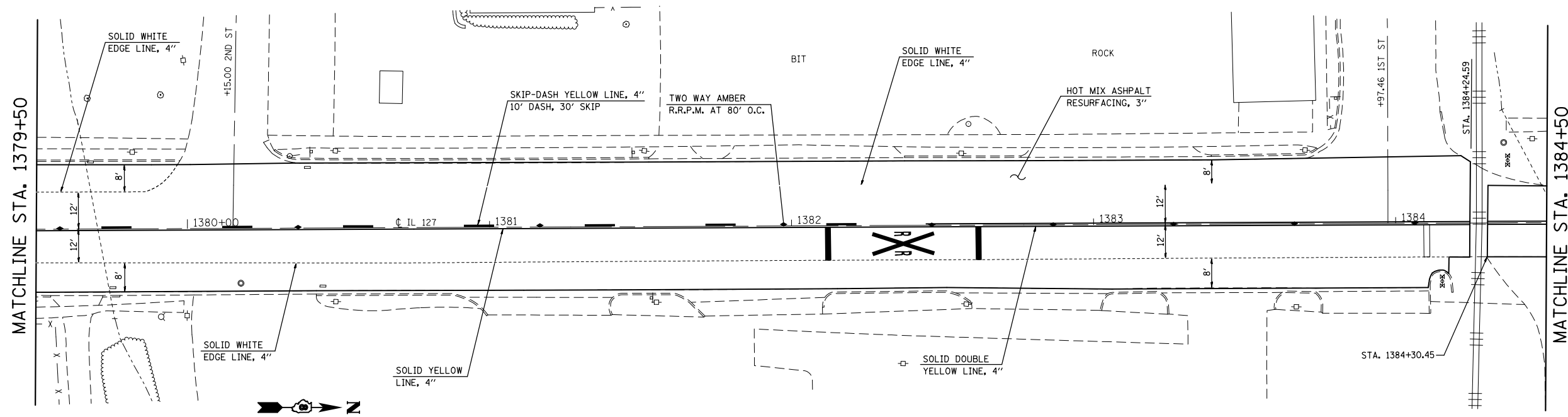
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	102-1RS-3,102-TS	WASHINGTON	46	19
CONTRACT NO. 76F47				

ILLINOIS FED. AID PROJECT



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	PLOT DATE = 10/18/2013	CHECKED -	REVISED -								CONTRACT NO. 76F47				
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT				



HMA REMOVAL TRANSITION FROM 3" TO 3/4"

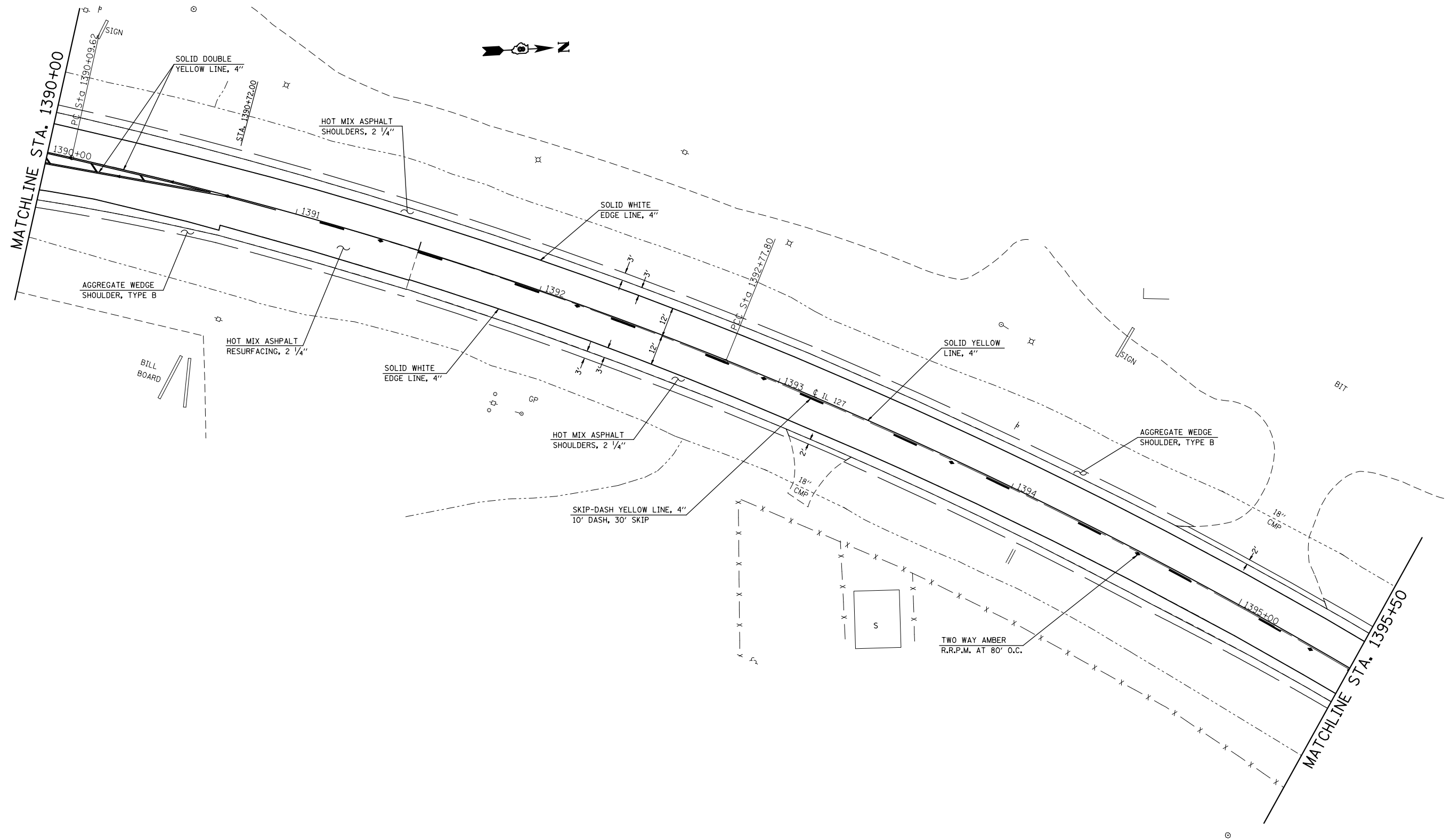
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PAVEMENT
MARKING SHEETS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	102-1RS-3,102-TS	WASHINGTON	46	21
CONTRACT NO. 76F47				
ILLINOIS FED. AID PROJECT				



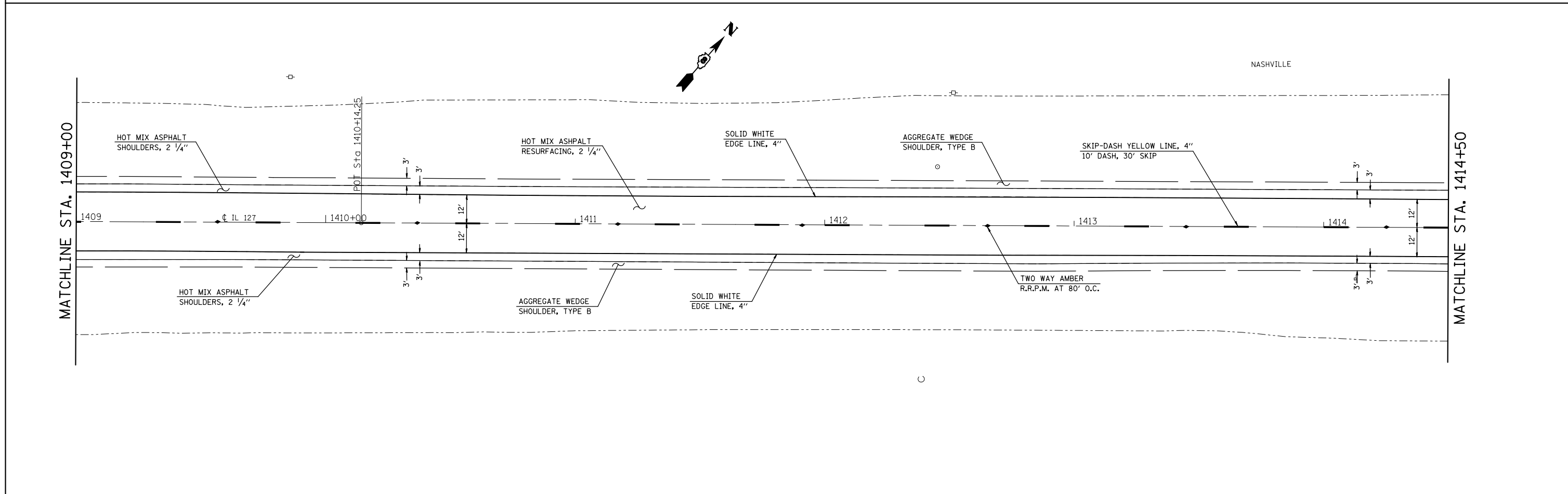
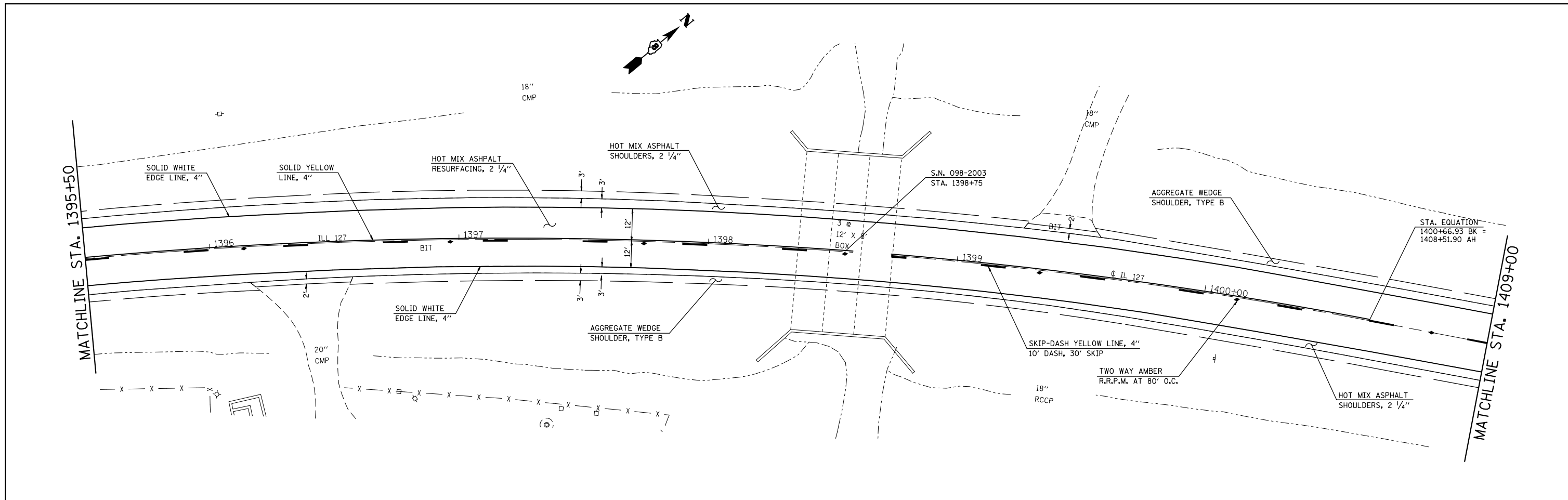
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

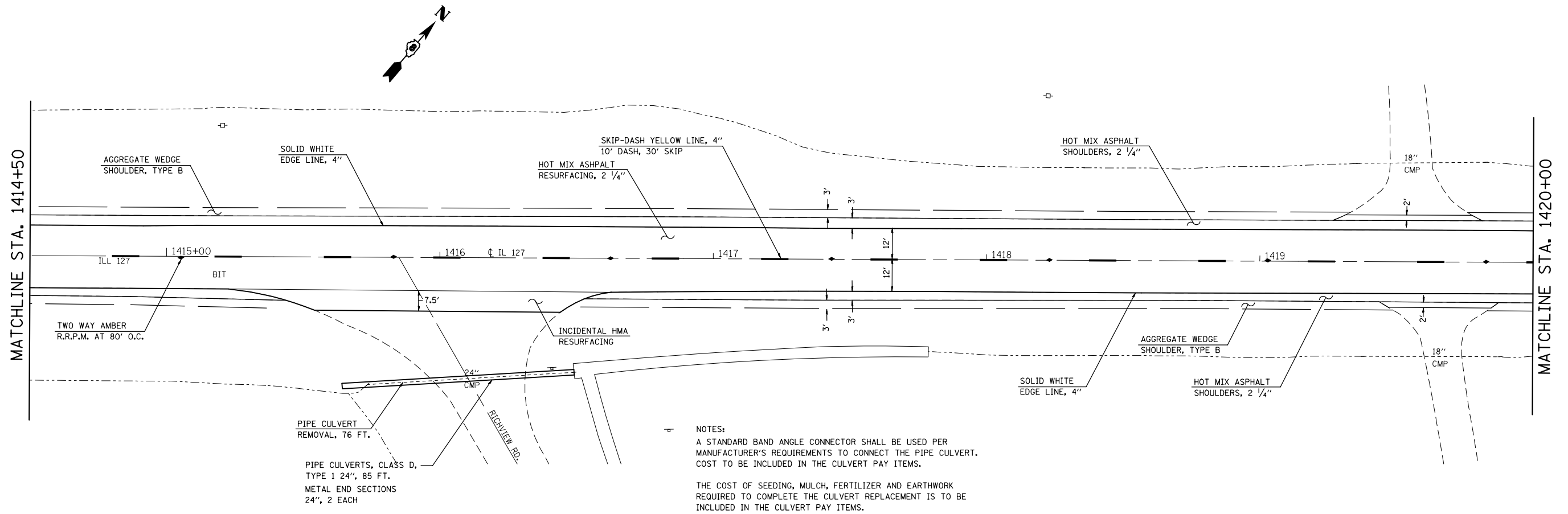
**PLAN & PAVEMENT
MARKING SHEETS**

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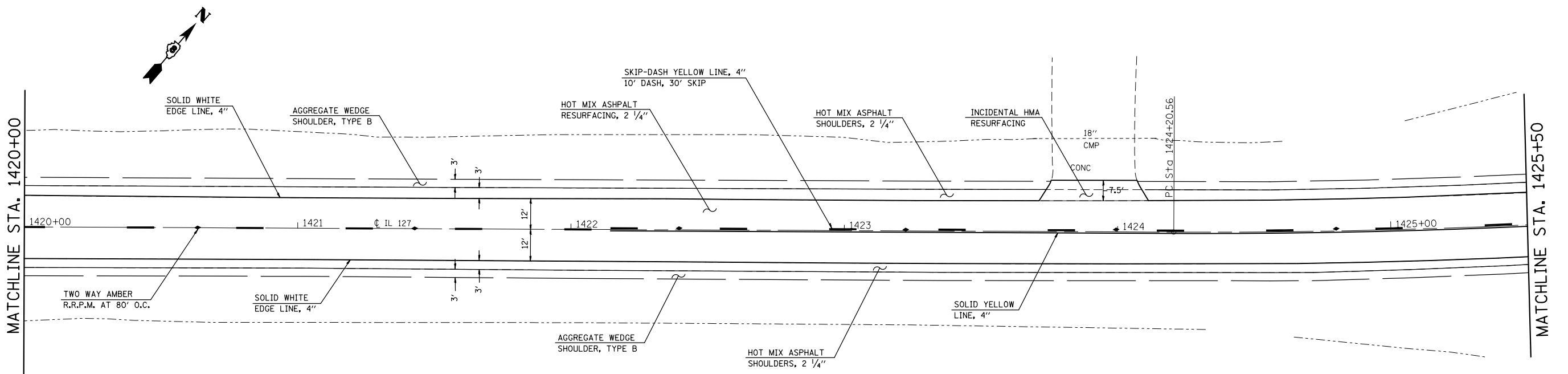
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	102-1RS-3,102-TS	WASHINGTON	46	22
CONTRACT NO. 76F47				
ILLINOIS FED. AID PROJECT				



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	PLOT DATE = 10/18/2013	CHECKED -	REVISED -								CONTRACT NO. 76F47		
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT		



NOTES:
 A STANDARD BAND ANGLE CONNECTOR SHALL BE USED PER MANUFACTURER'S REQUIREMENTS TO CONNECT THE PIPE CULVERT. COST TO BE INCLUDED IN THE CULVERT PAY ITEMS.
 THE COST OF SEEDING, MULCH, FERTILIZER AND EARTHWORK REQUIRED TO COMPLETE THE CULVERT REPLACEMENT IS TO BE INCLUDED IN THE CULVERT PAY ITEMS.

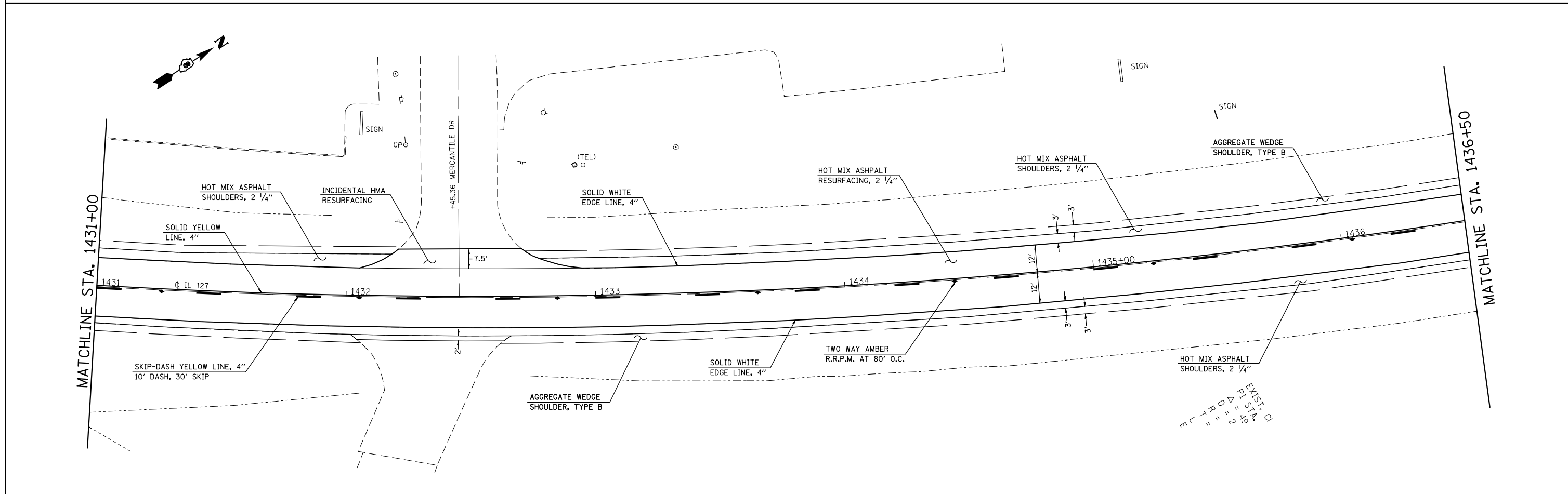
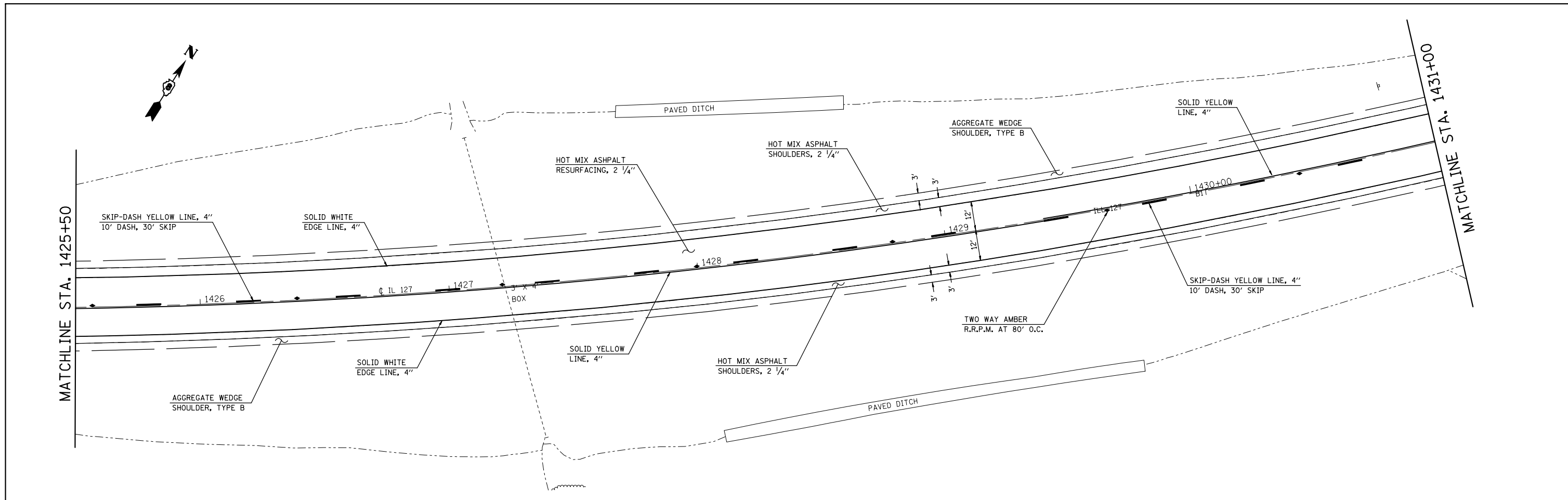


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#MODELNAME#	PLOT DATE = 10/18/2013	DATE -	REVISED -

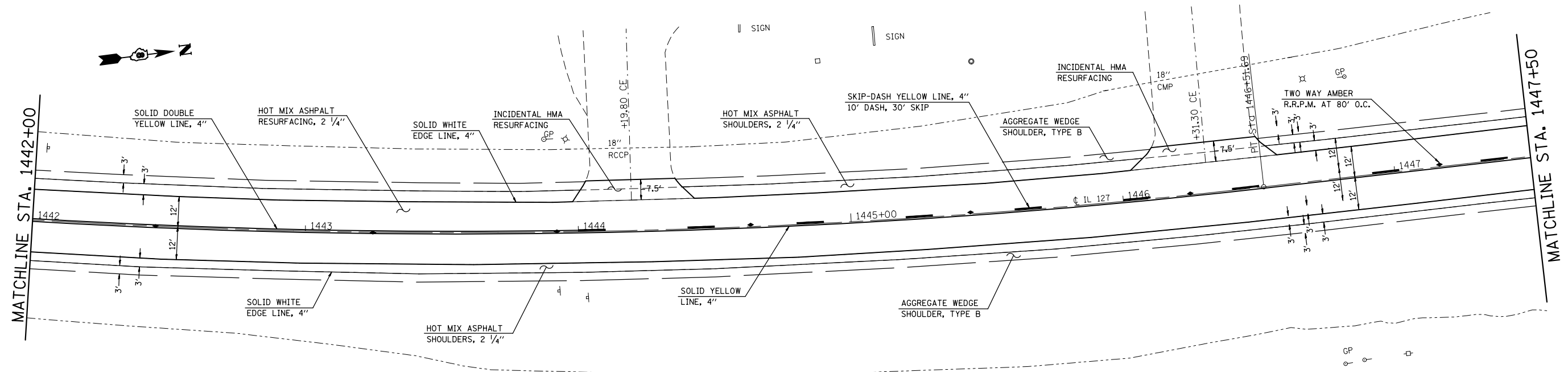
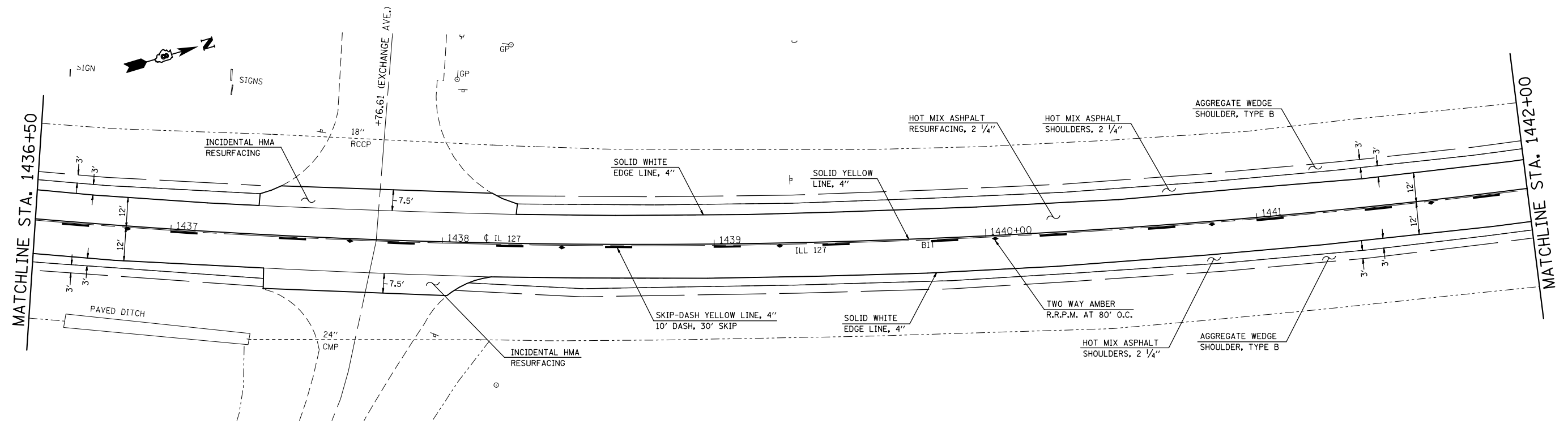
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN & PAVEMENT MARKING SHEETS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	102-1RS-3,102-TS	WASHINGTON	46	24
CONTRACT NO. 76F47				
ILLINOIS FED. AID PROJECT				



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MODELNAME	PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	42	102-1RS-3,102-TS	WASHINGTON	46	25
	PLOT DATE = 10/18/2013	CHECKED -	REVISED -								CONTRACT NO. 76F47				
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT				



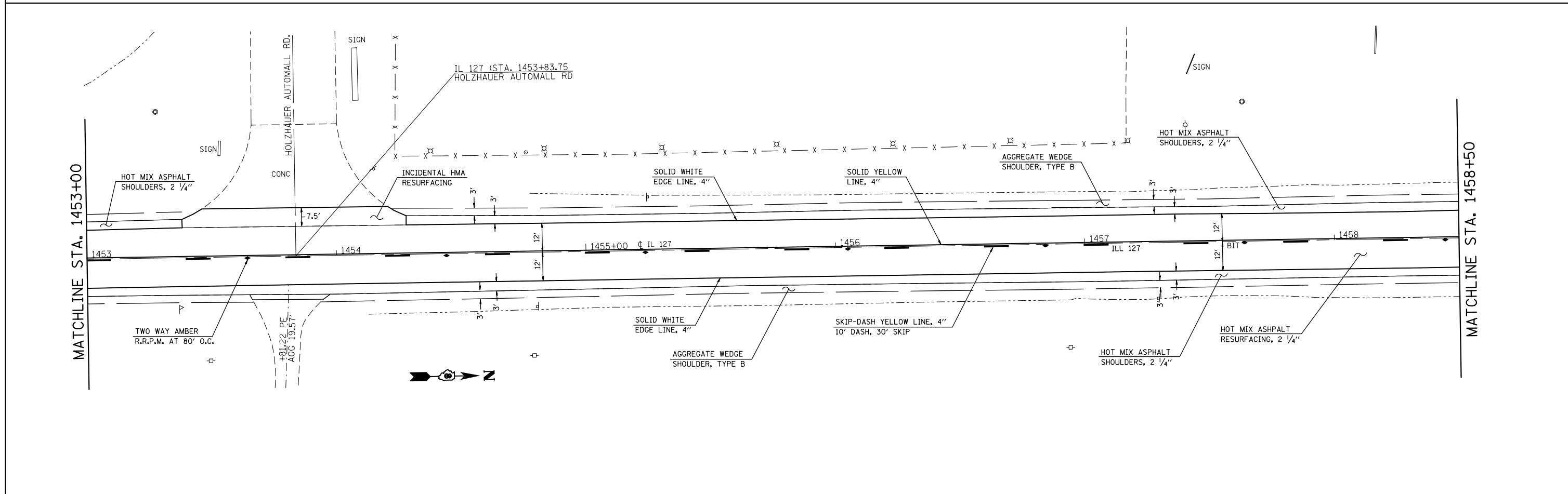
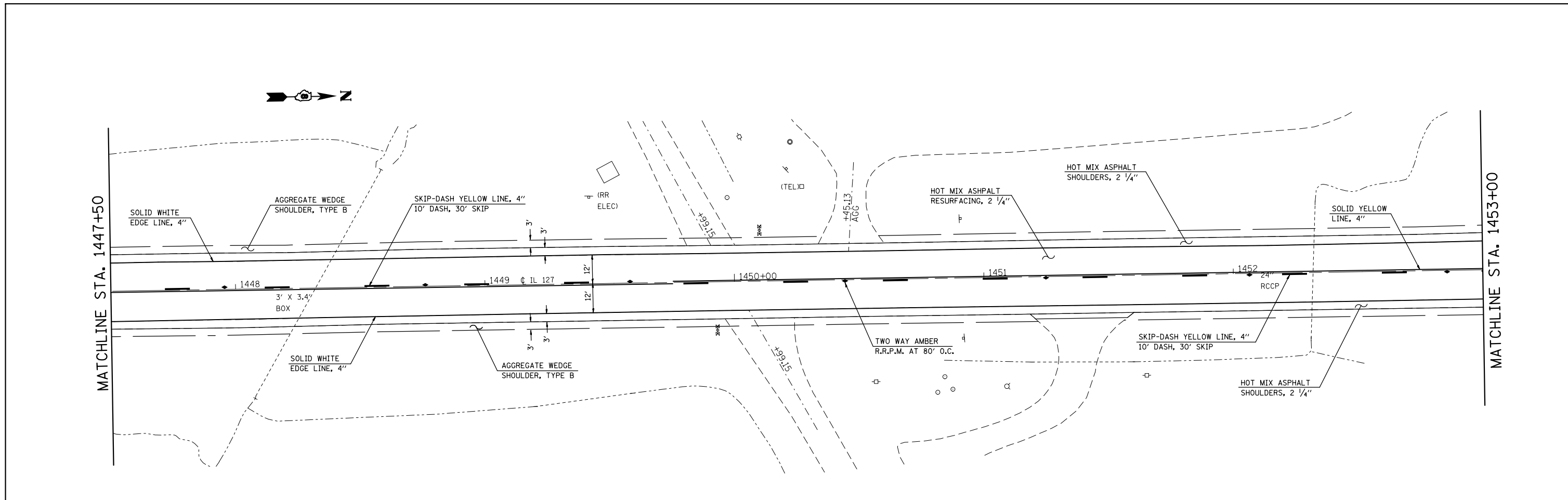
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MODELNAME	PLOT DATE = 10/18/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

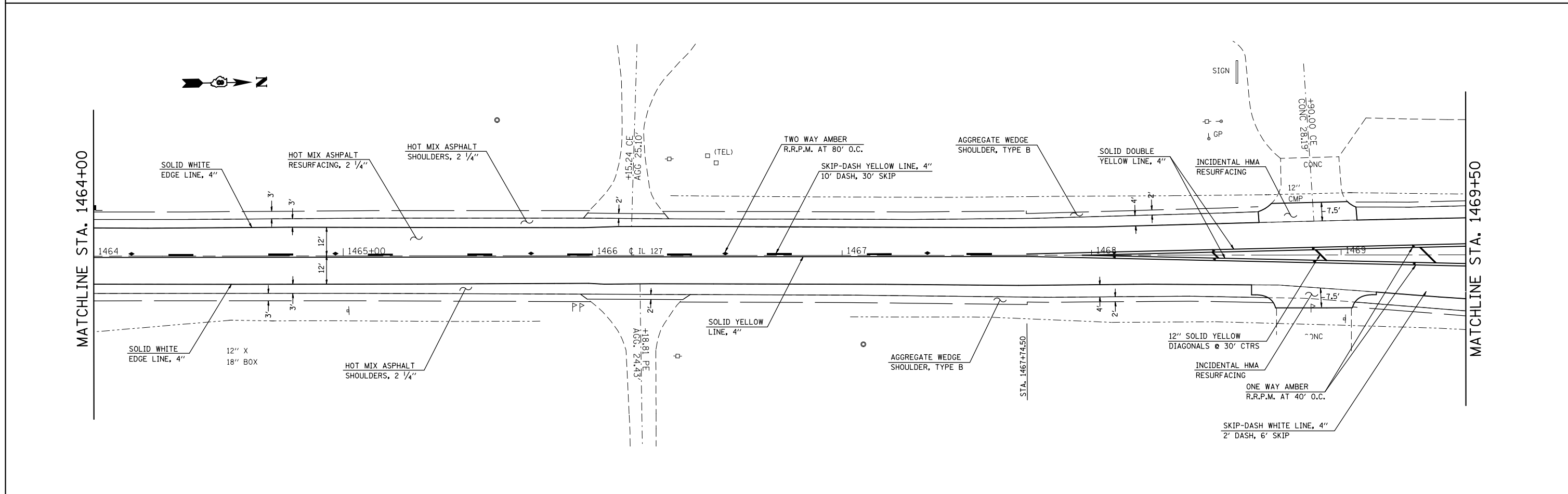
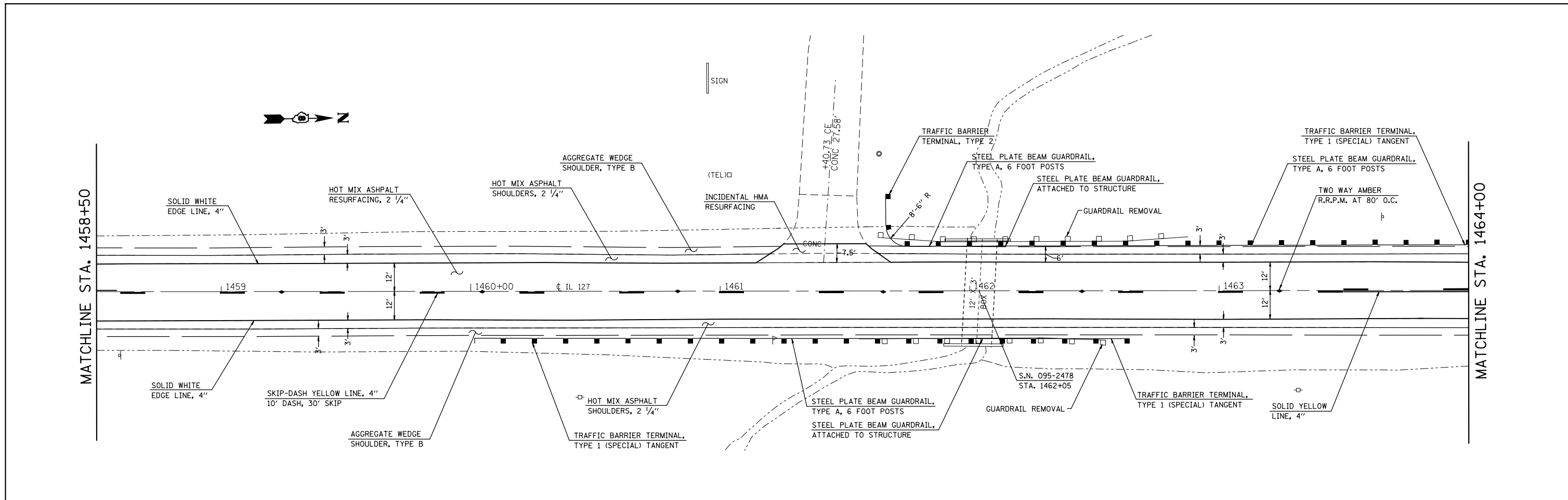
**PLAN & PAVEMENT
MARKING SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

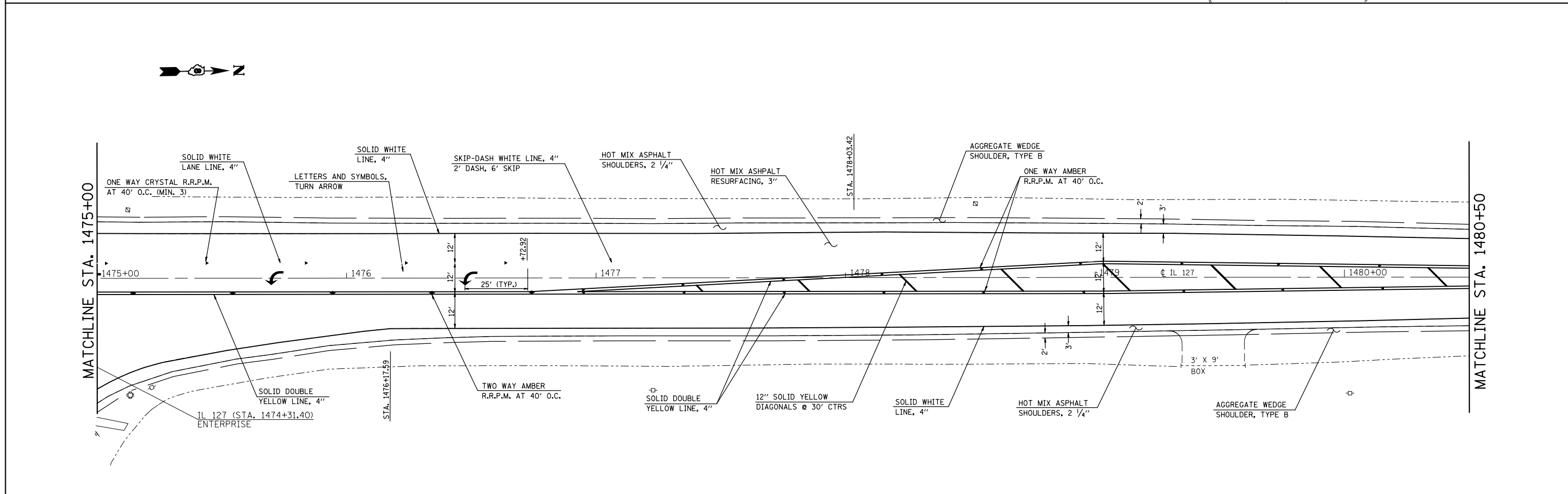
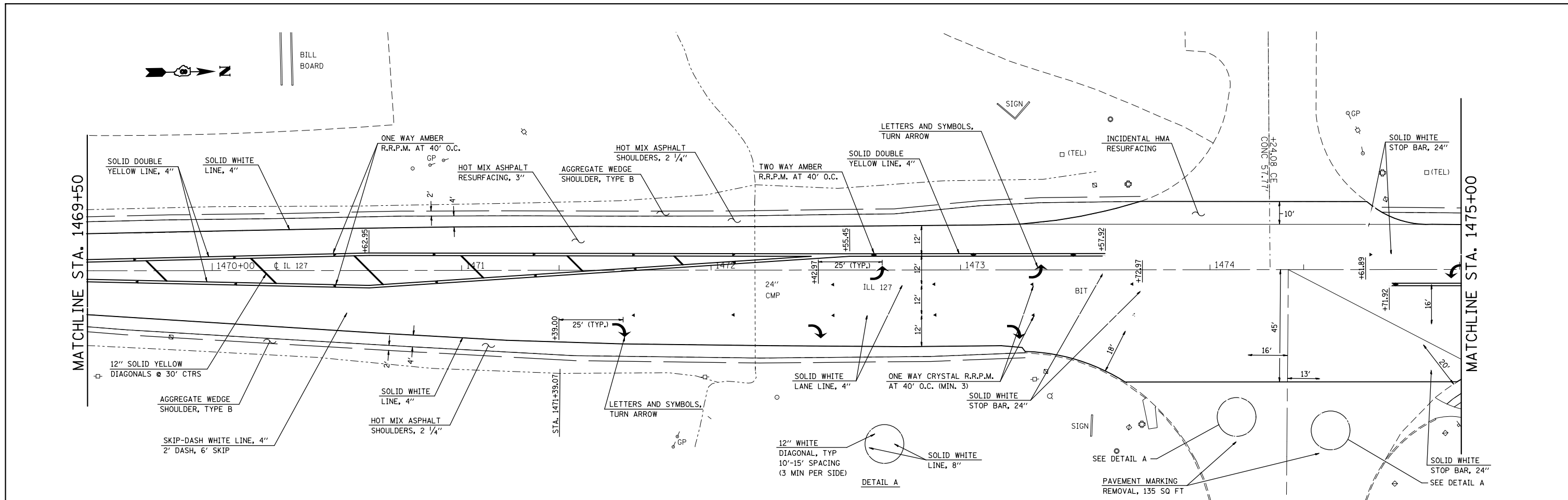
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	102-1RS-3,102-TS	WASHINGTON	46	26
CONTRACT NO. 76F47				
ILLINOIS FED. AID PROJECT				



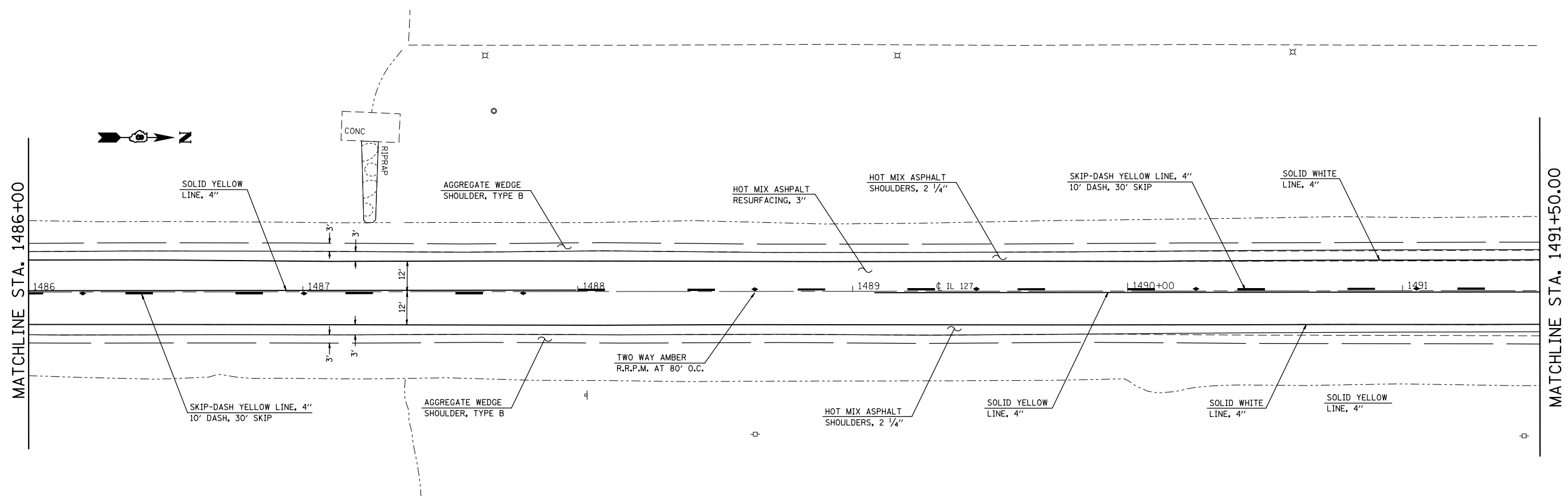
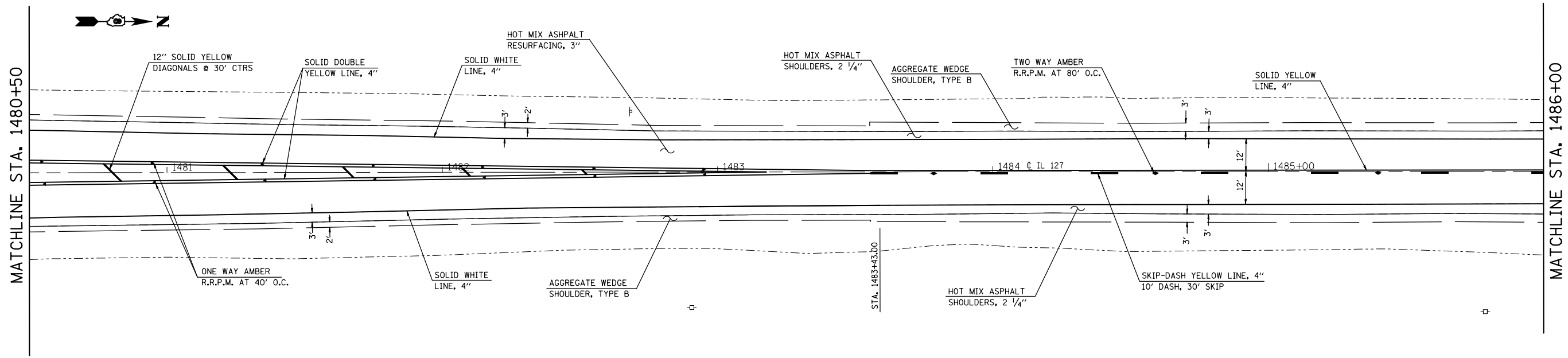
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MODELNAME	PLOT DATE = 10/18/2013	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 76F47				
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



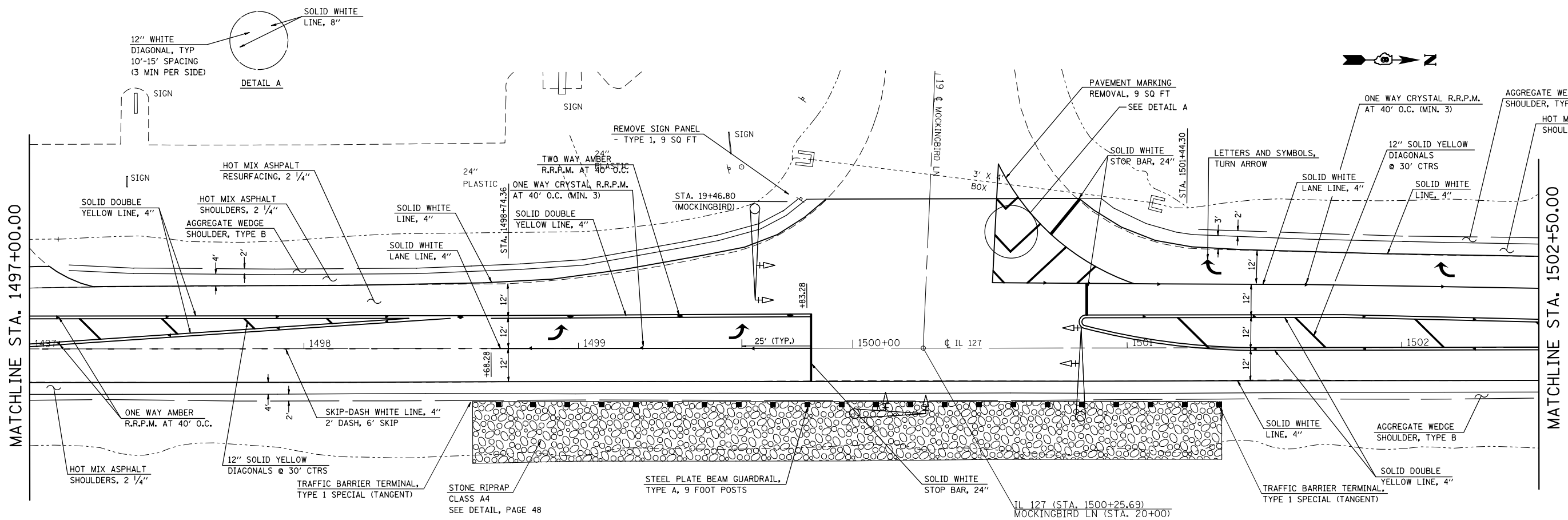
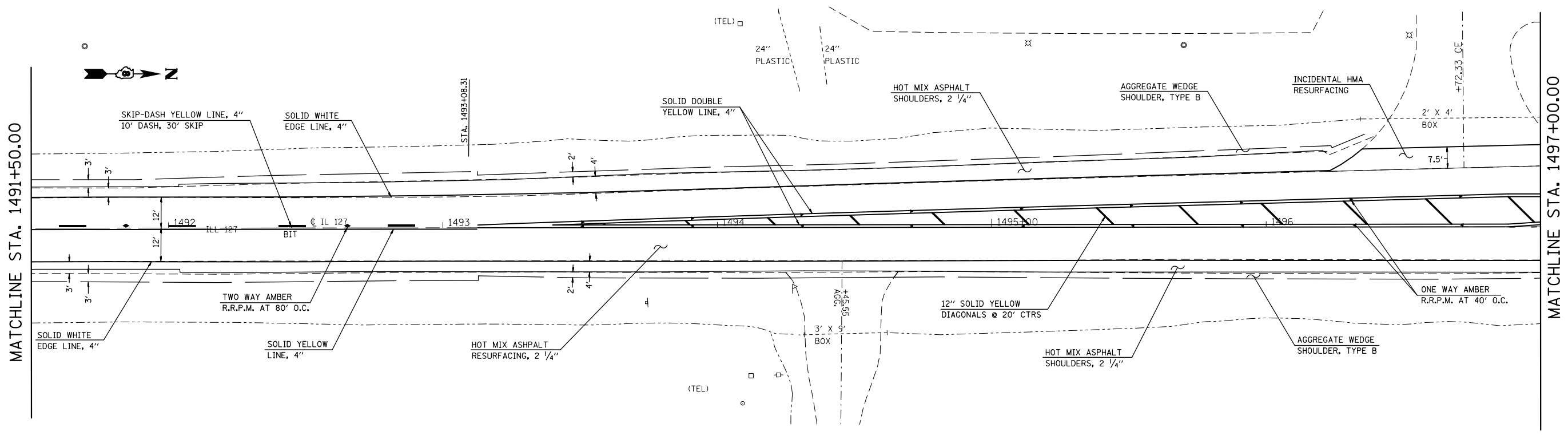
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MODELNAME	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 76F47								
	PLOT DATE = 10/18/2013	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



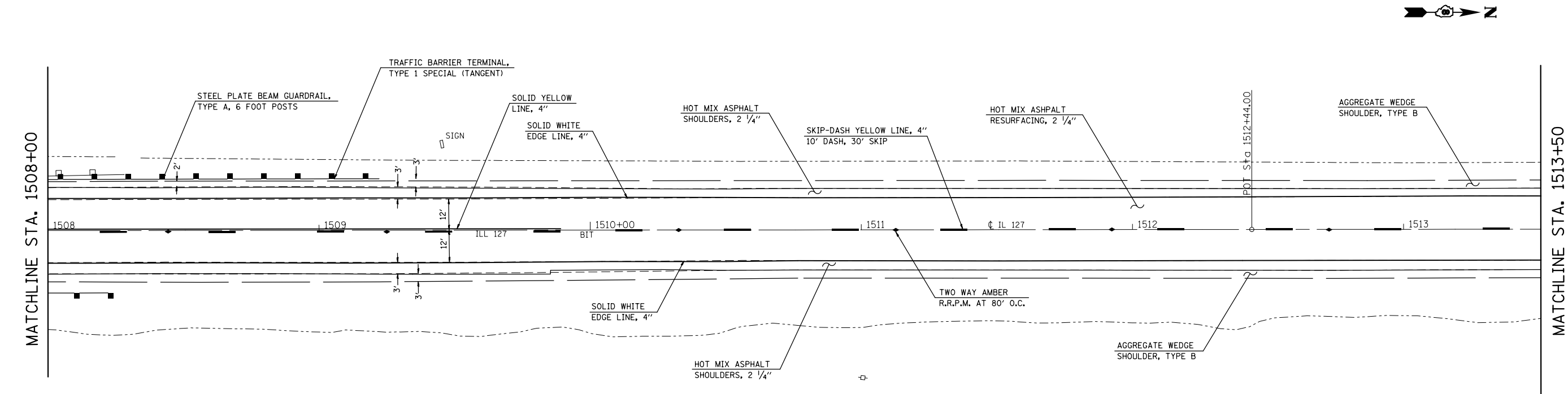
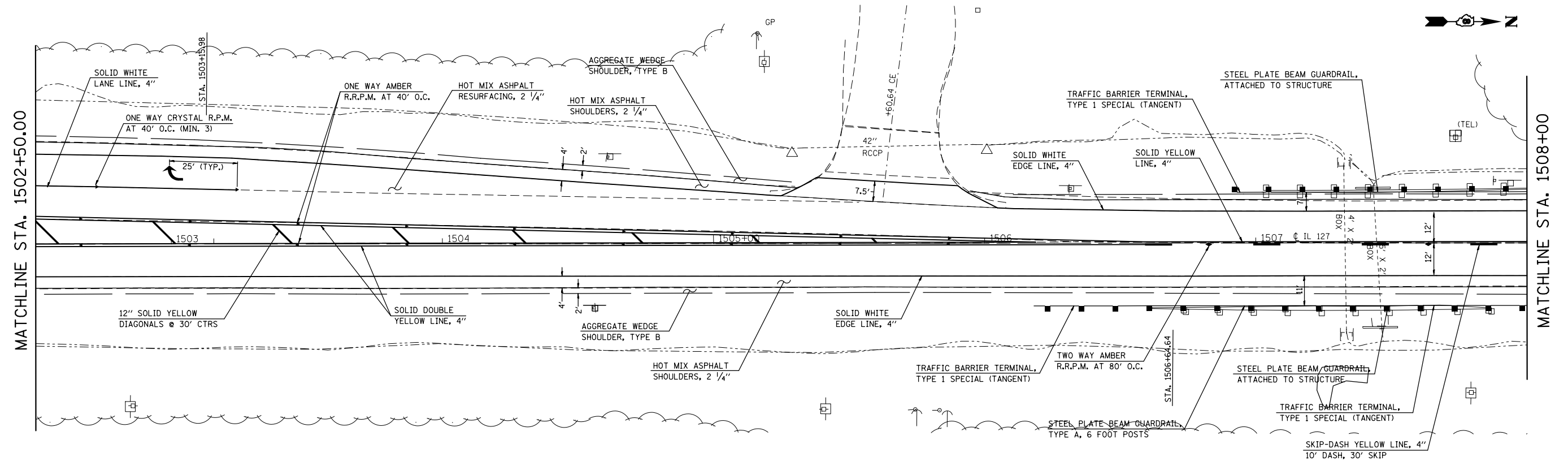
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FILE NAME =	USER NAME = dntelmenjn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PAVEMENT MARKING SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



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MODELNAME	PLOT DATE = 10/18/2013	CHECKED -	REVISED -					CONTRACT NO. 76F47				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



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		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

SCHEDULE OF QUANTITIES

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0021		
CODE NO	ITEM	UNIT		MOCKINGBIRD ROAD	ILO15	
72000100	SIGN PANEL - TYPE 1	SQ FT	5	5		
72000200	SIGN PANEL - TYPE 2	SQ FT	20	20		
80300100	LOCATING UNDERGROUND CABLE	FOOT	20		20	
80500100	SERVICE INSTALLATION, TYPE A	EACH	1	1		
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	72	72		
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	988	988		
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	281	281		
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	214	214		
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	12	12		
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	9	9		
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	1		
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1	1		
85706000	INTERSECTION MONITOR UNIT	EACH	1	1		

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0021		
CODE NO	ITEM	UNIT		MOCKINGBIRD ROAD	ILO15	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1603	1603		
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	486	486		
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2261	2261		
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	25	25		
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1706	1706		
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1	1		
87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1	1		
87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1	1		
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1	1		
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3	3		
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	4	4		

SCHEDULE OF QUANTITIES

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0021			SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0021		
CODE NO	ITEM	UNIT		MOCKINGBIRD ROAD	ILO15		CODE NO	ITEM	UNIT		MOCKINGBIRD ROAD	ILO15	
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	37	37									
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3	3									
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5	5									
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1	1									
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1	1									
88200300	TRAFFIC SIGNAL BACKPLATE, PLASTIC	EACH	6	6									
88500100	INDUCTIVE LOOP DETECTOR	EACH	9	9									
88600100	DETECTOR LOOP, TYPE I	FOOT	1145	1145									
88600600	DETECTOR LOOP REPLACEMENT	FOOT	745		745								

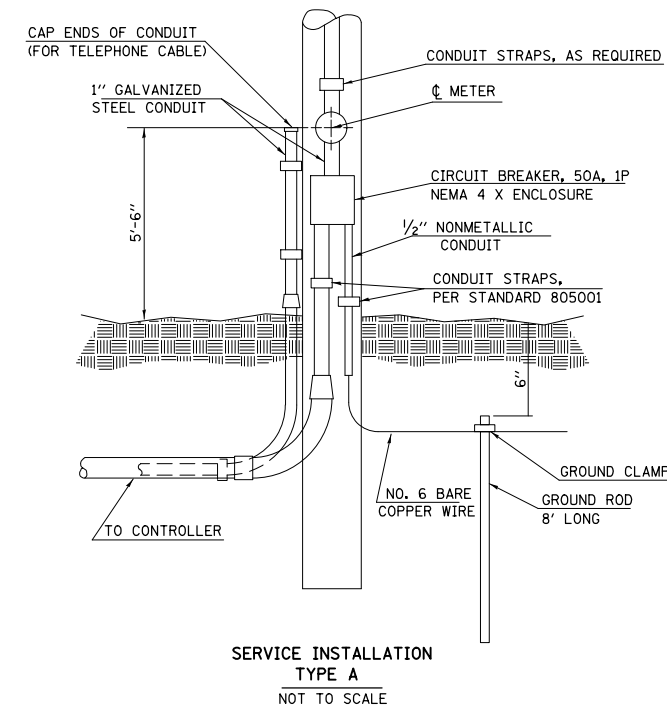
ELECTRICAL GENERAL NOTES

1. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE 12" SECTIONS. MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
2. BACKPLATES SHALL BE ABS PLASTIC.
3. CONTROLLER EQUIPMENT SHALL BE COMPATIBLE WITH EXISTING DISTRICT ECONOLITE TRAFFIC SIGNAL MONITORING EQUIPMENT AND SOFTWARE.
4. THE CONTROLLER CABINET SHALL BE UNPAINTED ALUMINUM. ANCHOR BOLTS, NUTS, AND WASHERS REQUIRED WITH TYPE D FOUNDATION SHALL BE INCLUDED IN THE PAY ITEM, "FULL -ACTUATED CONTROLLER AND TYPE IV CABINET". THE CONTRACTOR SHALL INSTALL FOUR (4) GROUND RODS (3/4" X 12') AND #6 A.W.G. BARE COPPER GROUND CONDUCTOR IN THE CONTROLLER FOUNDATION AS PER SPECIAL PROVISION, "CONCRETE FOUNDATION TYPE D".
5. THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM THE FACE OF THE CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLE.
6. ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTORS.
7. THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT. DETECTOR LOOPS MUST BE INSTALLED AFTER MILLING AND PRIOR TO THE INSTALLING THE FINAL RESURFACING COURSE.
8. DETECTOR LOOP LEAD-IN SPLICES SHALL BE MADE IN A HANDHOLE PER SECTION 873 OF THE STANDARD SPECIFICATIONS. CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD FILLED WITH NON-HARDENING EPOXY FILLER. ROSIN-CORE SOLDER SHALL BE USED.
9. CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
10. CALL CARRY-OVER SHALL FUNCTION ONLY WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
11. ALL INDUCTIVE LOOP DETECTORS SUPPLIED FOR THIS PROJECT SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE, IF A TIME SETTING IS PROGRAMMED. THEY SHALL BE RACK MOUNTED.
12. ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 814.03(a)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
13. ESTIMATED DEPTHS OF THE 30" CONCRETE FOUNDATIONS FOR THE MAST ARM SUPPORT POLES ARE AS FOLLOWS:
 N-E QUAD: 13'-6" DEEP
 S-W QUAD: 10'-0" DEEP
 S-E QUAD: 13'-6" DEEP

 FINAL DEPTHS WILL BE DETERMINED BY THE DEPARTMENT FROM THE SOIL BORING DATA.
14. LEAD -IN CONDUITS ARE INSTALLED FROM THE EDGE OF THE PAVEMENT TO THE CENTER TO CENTER DISTANCE BETWEEN THE CONDUITS, WHERE TWO OR MORE LOOP NEAREST HANDHOLE, SHALL BE SIX INCHES MINIMUM AT THE EDGE OF PAVEMENT.
15. THE CONTRACTOR SHALL FABRICATE, DELIVER AND INSTALL TWO (2) STREET NAME SIGNS AT THE SPECIFIED LOCATIONS. THE SIGNS AND INSTALLATION SHALL CONFORM TO SECTION 720 OF THE STANDARD SPECIFICATIONS AND STANDARDS 720016 AND 720001.
16. THE CONTRACTOR SHALL INSTALL THE STREET NAME SIGNS ON THE MAST ARMS AS FOLLOWS:
 ONE SIGN, NE QUAD., VISIBLE TO NB TRAFFIC
 ONE SIGN, SW QUAD., VISIBLE TO SB TRAFFIC
17. GROUNDING CONDUCTOR SHALL BE TYPE XLP, NO.6 A.W.G., STRANDED COPPER, GREEN COLOR CODED AND IN ACCORDANCE WITH STANDARD 873001 AND SECTION 873 OF THE STANDARD SPECIFICATIONS.
18. THE DESIRABLE LATERAL DISTANCE BETWEEN WATER MAIN, FIRE HYDRANT ETC. WITH ELECTRICAL UNDERGROUND CONDUITS SHALL BE MINIMUM EIGHTEEN (18") INCHES FACE TO FACE .

TRAFFIC SIGNALS LEGEND

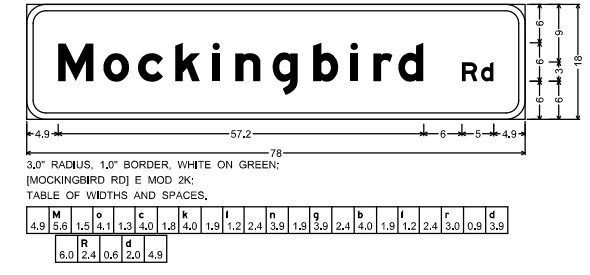
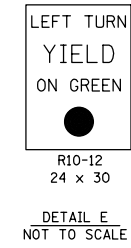
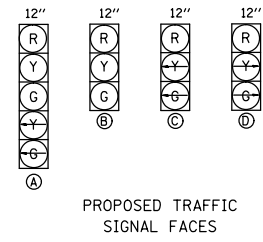
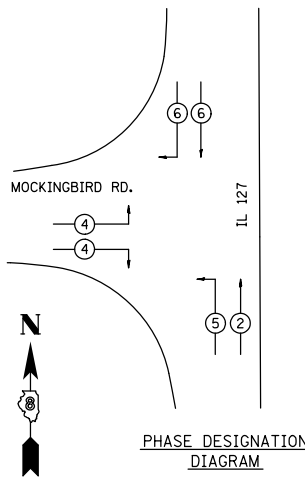
- PVCC POLYVINYL CHLORIDE CONDUIT
- PROPOSED SIGNAL HEAD WITH BACKPLATE, MAST ARM MOUNTED
- PROPOSED HANDHOLE
- PROPOSED DOUBLE HANDHOLE
- PROPOSED DETECTOR LOOP
- PROPOSED CONTROLLER
- PROPOSED UNDERGROUND CONDUIT
- PROPOSED STREET NAME SIGN/TRAFFIC SIGN
- PROPOSED SERVICE INSTALLATION
- PROPOSED SIGNAL HEAD, BRACKET MOUNTED ON POST



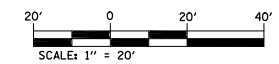
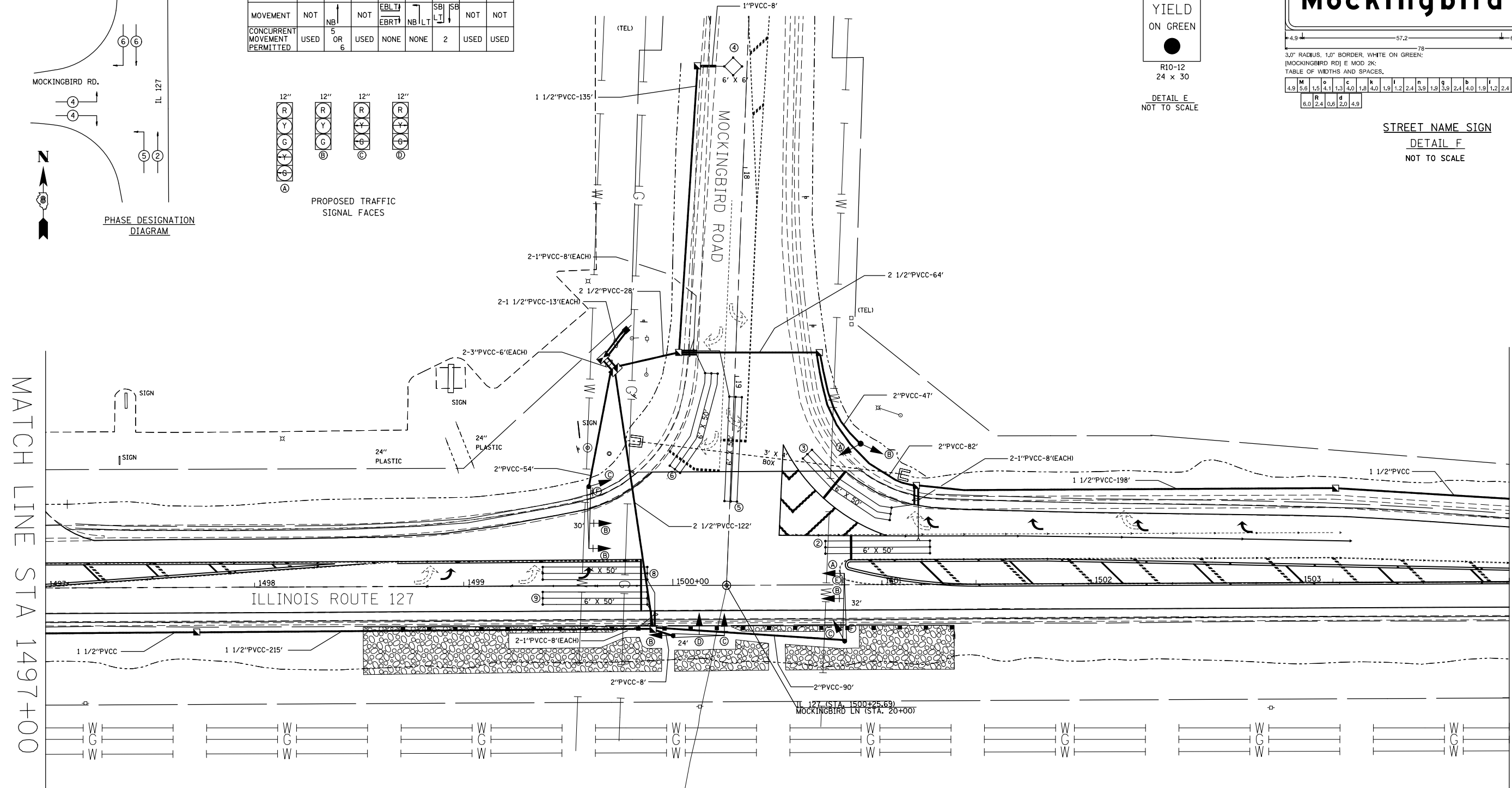
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et:\pw\work\p\dot\prestonme\d0287304\d0287304.dwg	76F47-sh-t-TS.dgn	DRAWN -	REVISED -			42	102-1RS-3, 102-TS	WASHINGTON	46	36
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 76F47				
	PLOT DATE = 10/8/2013	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
						SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

FULL-ACTUATED CONTROLLER IN TYPE IV CABINET

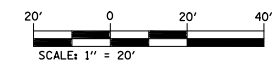
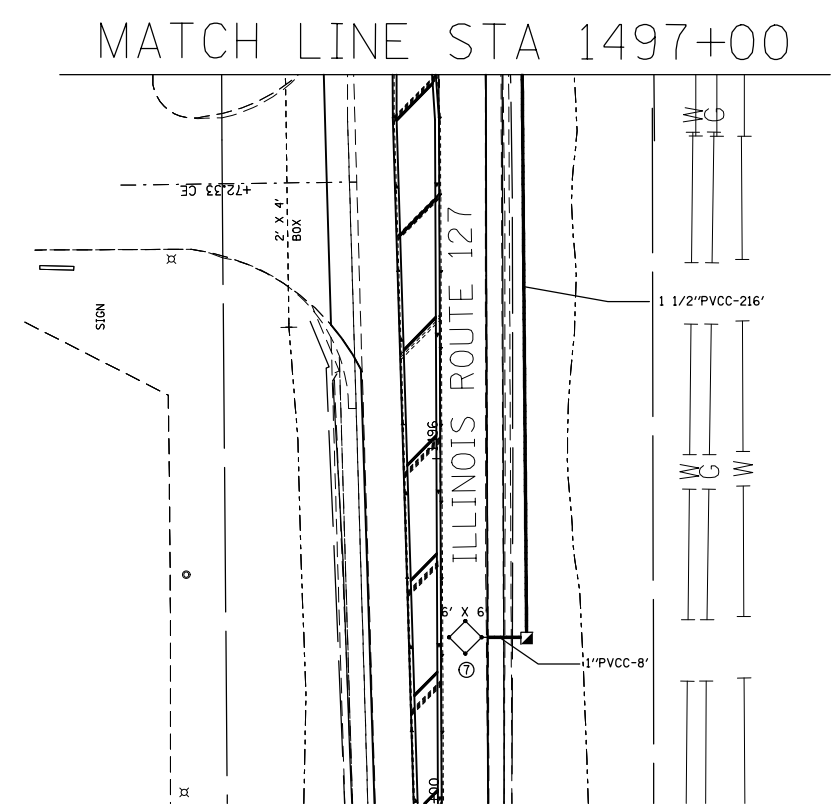
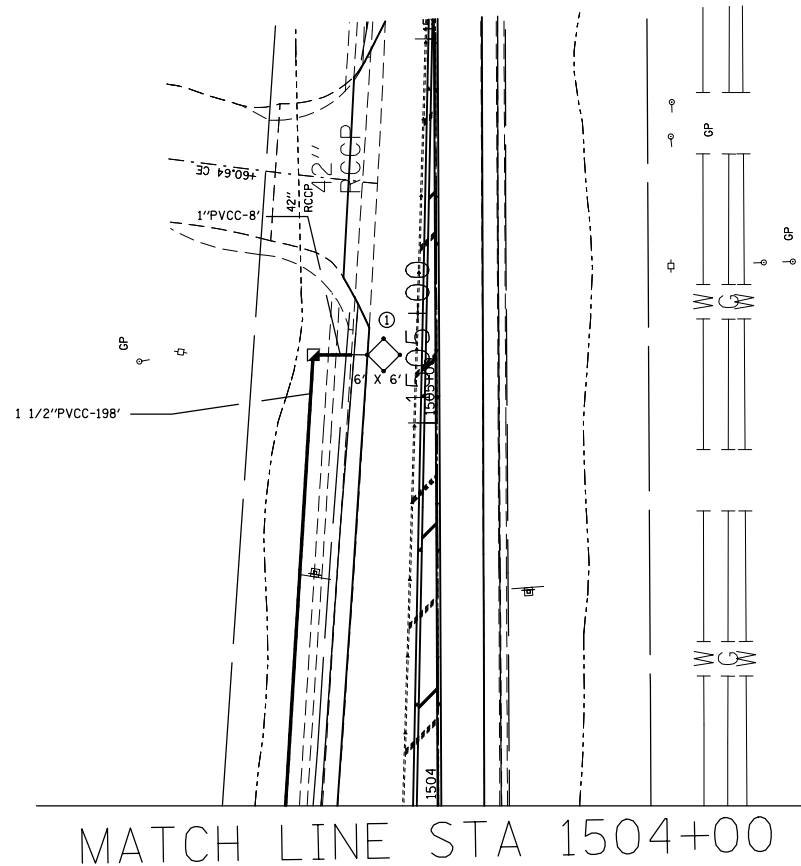
PROPOSED SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	NOT	NB ↑	NOT	EBLT EBRT	NB LT	SB SB	NOT	NOT
CONCURRENT MOVEMENT PERMITTED	USED	5 OR 6	USED	NONE	NONE	2	USED	USED



STREET NAME SIGN
DETAIL F
NOT TO SCALE



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et:\pw\work\p\dot\prestonme\d0287304\d076f47-sht-TS.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.	CONTRACT NO. 76F47				
		CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -										



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	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MOCKINGBIRD RD. TRAFFIC SIGNAL PLANS 2 OF 2

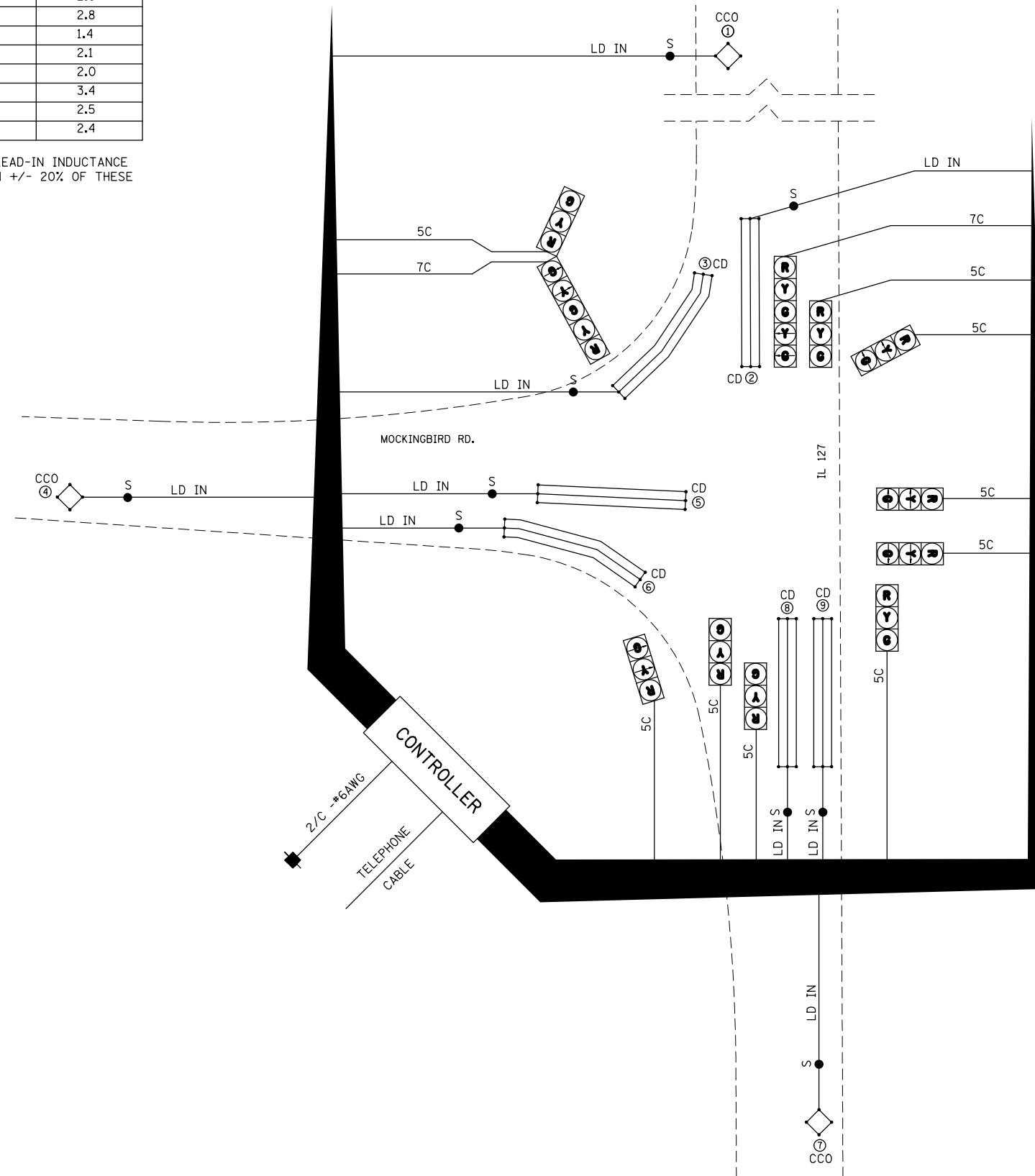
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	102-IRS-3, 102-TS	WASHINGTON	46	38
CONTRACT NO. 76F47				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR MOCKINGBIRD RD. AND IL 127

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
1. SB CCO	6	6 x 6	7	506.2	3.6
2. SB THRU CD	6	6 x 50	3-6-3	839.0	2.8
3. SB RT CD	6	6 x 50	3-6-3	837.7	2.8
4. EB CCO	4	6 x 6	6	300.9	1.4
5. EB LT CD	4	6 x 50	3-6-3	807.6	2.1
6. EB RT CD	4	6 x 50	3-6-3	802.5	2.0
7. NB CCO	2	6 x 6	7	499.1	3.4
8. NB LT CD	5	6 x 50	3-6-3	824.5	2.5
9. NB THRU CD	2	6 x 50	3-6-3	821.9	2.4

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



CABLE DIAGRAM LEGEND

- ELECTRIC CABLE IN CONDUIT
- S — CABLE SPLICE (SEE GENERAL NOTES)
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- LD IN ELECTRIC CABLE LEAD-IN, 1 PAIR
- CD CALL DELAY (SEE GENERAL NOTES)
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- SERVICE INSTALLATION
- #6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)

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	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/8/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MOCKINGBIRD RD. CABLE DIAGRAM

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

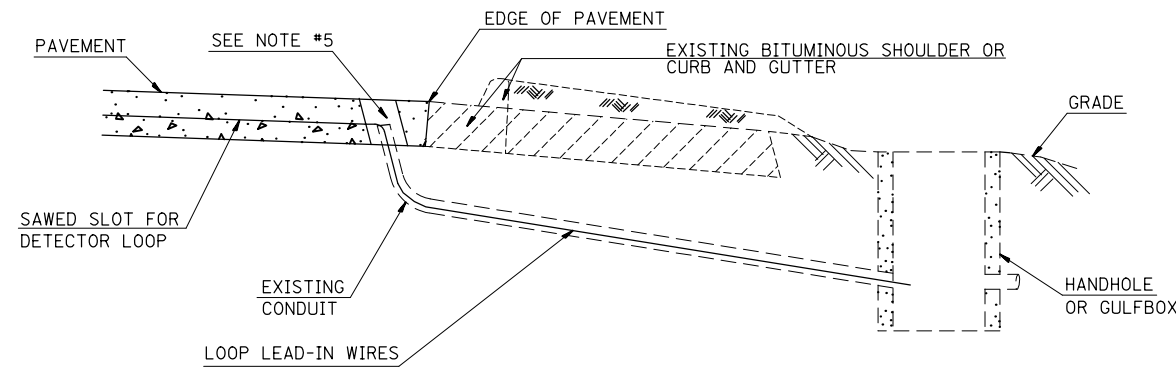
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	102-1RS-3, 102-TS	WASHINGTON	46	39
CONTRACT NO. 76F47				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

NOTES:

SEE TABLE "DETECTOR LOOP REQUIREMENTS AND CALCULATIONS" FOR LOOP SIZE AND CALCULATED NUMBER OF TURNS.

SEE "DETAIL A" FOR INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUITS.

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	IL 015 & IL 127
CODE NO	ITEM	UNIT		
80300100	LOCATING UNDERGROUND CABLE	FOOT	20	20
88600600	DETECTOR LOOP REPLACEMENT	FOOT	745	745



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"

DETECTOR LOOP REPLACEMENT LEGEND

- EX. HANDHOLE
- EX. DETECTOR LOOP
- EX. TRAFFIC SIGNAL CONTROLLER
- EXISTING CONDUIT
- PROPOSED DETECTOR LOOP

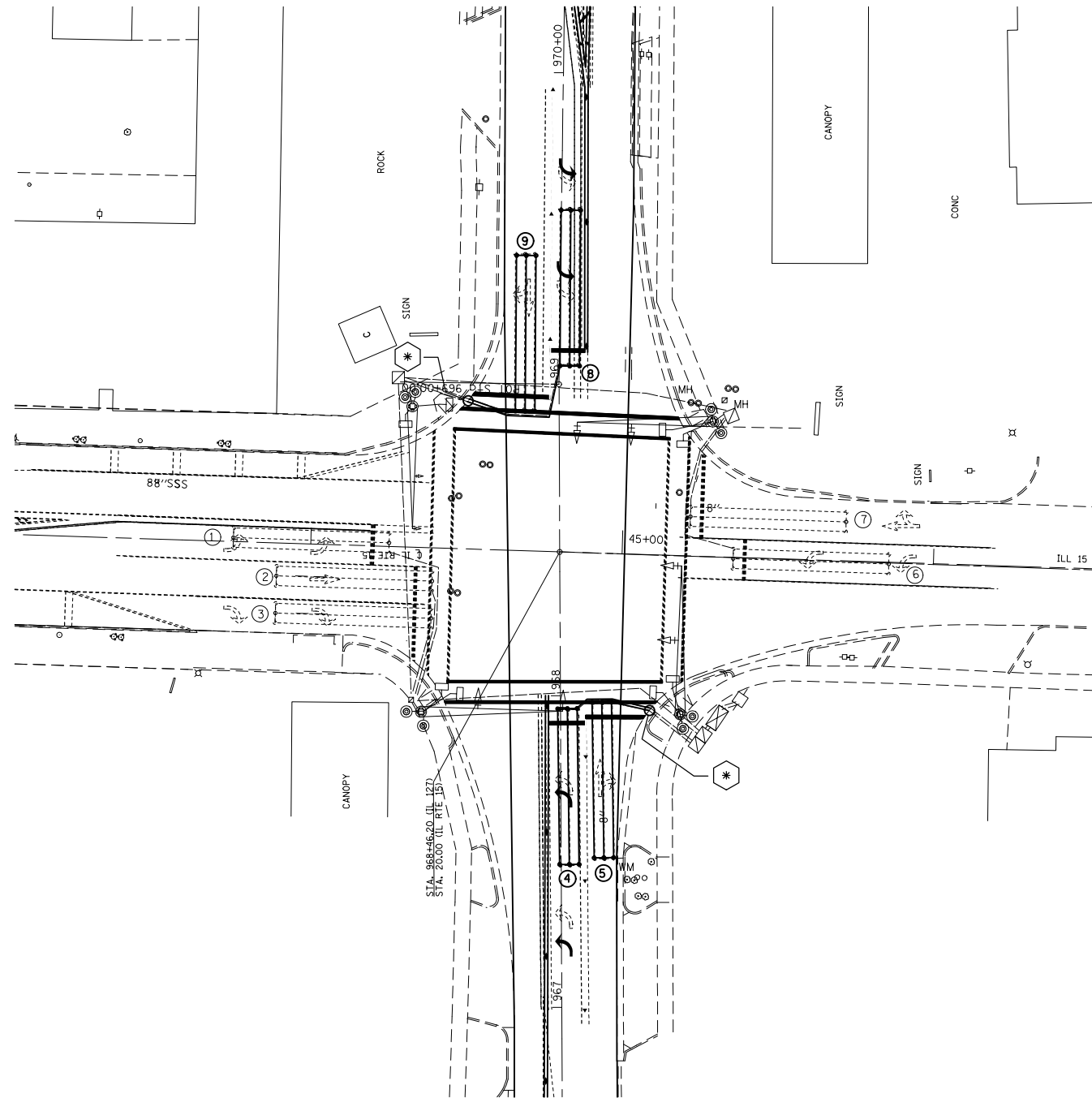
FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 015 DETECTOR LOOP REPLACEMENT PLAN GENERAL NOTES, SCHEDULE OF QUANTITIES, DETAIL AND LEGEND	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\idot\prestonme\d0287304\d0287304.dwg	76F47-shr-TS.dgn	DRAWN -	REVISED -			42	102-1RS-3, 102-TS	WASHINGTON	46	40
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 76F47				
	PLOT DATE = 10/8/2013	DATE -	REVISED -			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR IL 15, AND IL 127

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
1. EB LT CD	5	6 x 50	3-6-3	NA	NA
2. EB THRU CD A	2	6 x 50	3-6-3	NA	NA
3. EB THRU CD B	2	6 x 50	3-6-3	NA	NA
4. NB LT CD	3	6 x 50	3-6-3	798,5	1,9
5. NB THRU CD	8	6 x 50	3-6-3	795,7	1,8
6. WB THRU CD	1	6 x 50	3-6-3	NA	NA
7. WB THRU CD	6	6 x 50	3-6-3	NA	NA
8. SB LT CD	7	6 x 50	3-6-3	849,8	3,0
9. SB THRU CD	4	6 x 50	3-6-3	843,6	2,9

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

⊛ =SEE DETAIL A

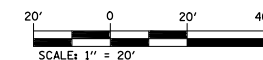


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	PLOT DATE = 10/8/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 015 DETECTOR LOOP REPLACEMENT PLAN

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



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	102-1RS-3, 102-TS	WASHINGTON	46	41
CONTRACT NO. 76F47				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 8/22/13

ROUTE FAP 42 DESCRIPTION IL 127 at Mockingbird Lane - Traffic Signals LOGGED BY VPG

SECTION 102-IRS-3, 102-TS LOCATION NW 14, SEC. 7, TWP. 1S, RNG. 2W, 3 PM

COUNTY Washington DRILLING METHOD Hand Auger HAMMER TYPE _____

STRUCT. NO. NA DEPTH NA SURFACE WATER ELEV. NA ft
 Station NA Stream Bed Elev. NA ft

BORING NO. #1 SE Quad GROUNDWATER ELEV.:
 Station 1500+00 First Encounter 457.8 ft
 Offset 32.00ft RT Upon Completion _____ ft
 Ground Surface Elev. 464.3 ft (ft) (ft) (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	UCS (tsf)	Failure Mode	SPT (blows/ft)
1.50	Brown Clay LOAM A-6(4)	9		
1.00	See Class @ 1 ft	19		
1.25		25		
1.50	Brown Silty CLAY A-7-6(23)	28		
1.50	See Class @ 3 ft			
2.00		27		
2.00	Gray CLAY	24		
2.00		27		
2.25		28		
2.50		27		
2.50		27		
2.25		27		
2.50		26		
452.3	END OF HAND AUGER			
-16	Pocket Penetrometer used for Qu			
-20				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 8/22/13

ROUTE FAP 42 DESCRIPTION IL 127 at Mockingbird Lane - Traffic Signals LOGGED BY VPG

SECTION 102-IRS-3, 102-TS LOCATION SW 14, SEC. 6, TWP. 1S, RNG. 2W, 3 PM

COUNTY Washington DRILLING METHOD Hand Auger HAMMER TYPE _____

STRUCT. NO. NA DEPTH NA SURFACE WATER ELEV. NA ft
 Station NA Stream Bed Elev. NA ft

BORING NO. #2 NE Quad GROUNDWATER ELEV.:
 Station 1500+82 First Encounter 458.9 ft
 Offset 29.00ft RT Upon Completion _____ ft
 Ground Surface Elev. 466.4 ft (ft) (ft) (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	UCS (tsf)	Failure Mode	SPT (blows/ft)
0.50	Brown Silty LOAM A-6(2)	12		
0.75	See Class @ 1 ft	19		
2.75		27		
2.00	Gray Silty CLAY A-7-6(26)	26		
2.00	See Class @ 5 ft	25		
2.00		22		
2.00		23		
2.00	Gray CLAY with some Sand	25		
2.50		24		
2.75		26		
2.50		27		
2.50		26		
2.50		28		
2.50		26		
2.50		21		
451.4	END OF HAND AUGER			
-16	Pocket Penetrometer used for Qu			
-20				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 8/22/13

ROUTE FAP 42 DESCRIPTION IL 127 at Mockingbird Lane - Traffic Signals LOGGED BY VPG

SECTION 102-IRS-3, 102-TS LOCATION NE 14, SEC. 12, TWP. 1S, RNG. 3W, 3 PM

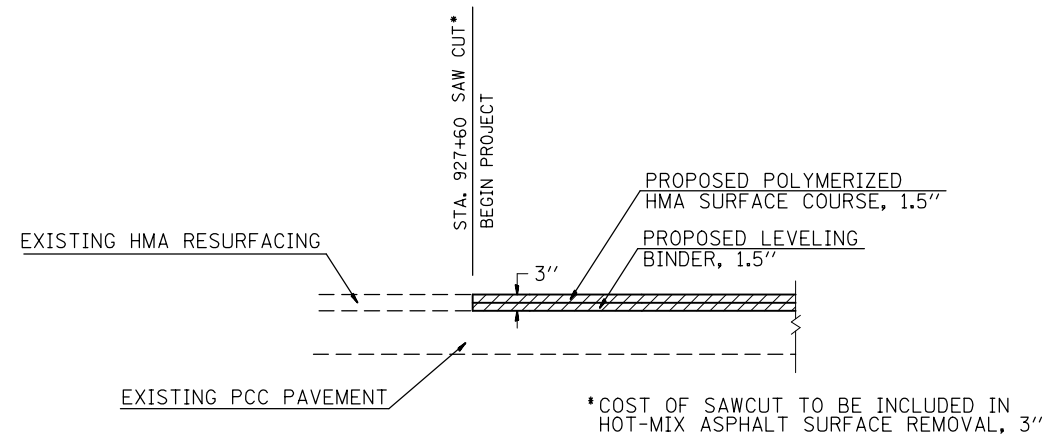
COUNTY Washington DRILLING METHOD Hand Auger HAMMER TYPE _____

STRUCT. NO. NA DEPTH NA SURFACE WATER ELEV. NA ft
 Station NA Stream Bed Elev. NA ft

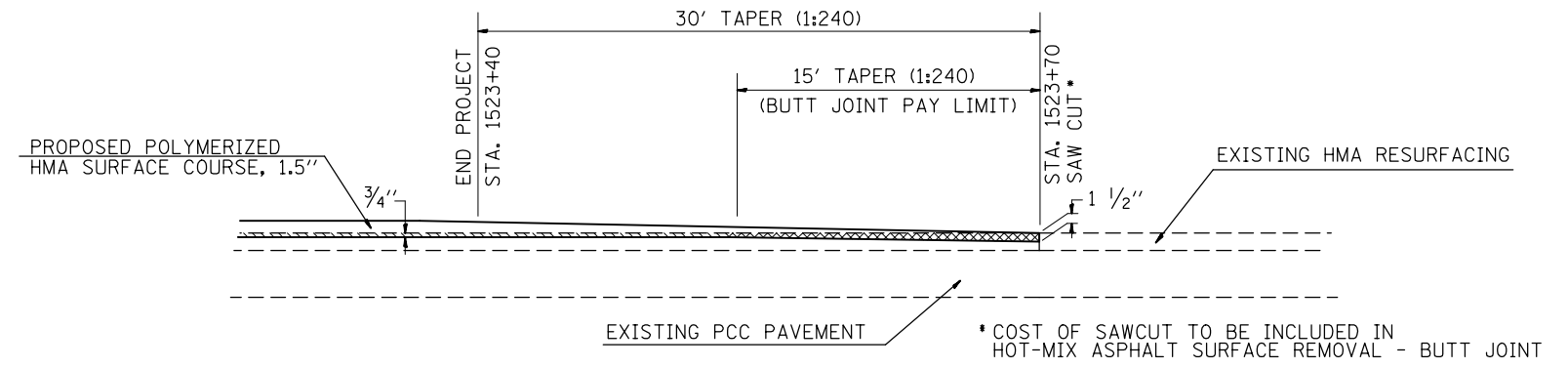
BORING NO. #3 SW Quad GROUNDWATER ELEV.:
 Station 1499+60 First Encounter 464.9 ft
 Offset 45.00ft LT Upon Completion _____ ft
 Ground Surface Elev. 468.9 ft (ft) (ft) (tsf) (%)

DEPTH (ft)	SOIL DESCRIPTION	UCS (tsf)	Failure Mode	SPT (blows/ft)
1.00	Brown Silty CLAY A-7-6(23)	29		
2.00	See Class @ 0 ft	28		
2.25	Gray CLAY with some Sand A-6(18)	25		
2.25	See Class @ 5 ft	26		
2.25		29		
2.50		27		
2.50		28		
2.50		30		
2.75		29		
2.75		31		
3.00		26		
3.00		24		
3.00		25		
2.75		27		
3.00		23		
453.9	END OF HAND AUGER			
-16	Pocket Penetrometer used for Qu			
-20				

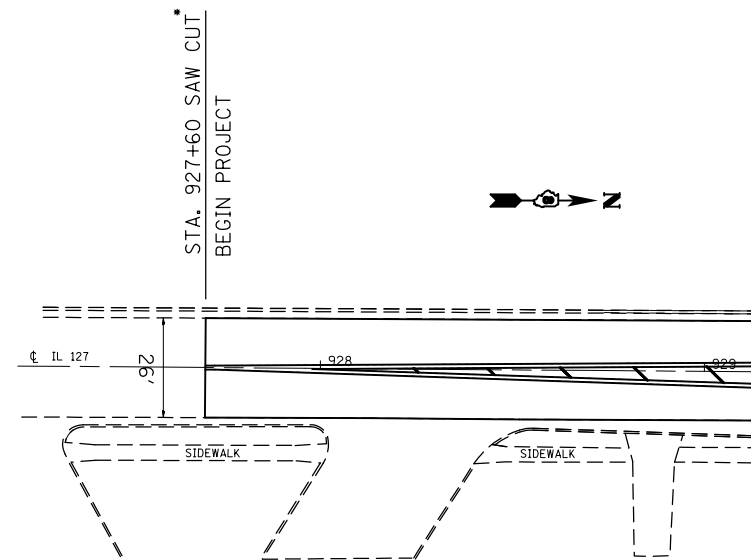
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)



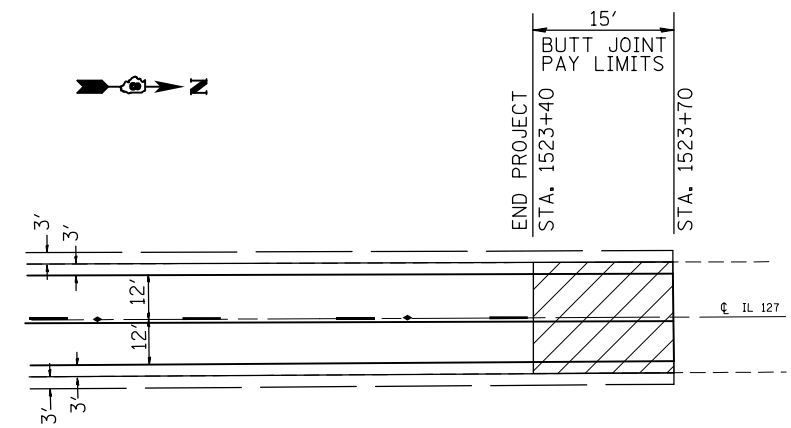
JOINT DETAIL
ELEVATION VIEW



JOINT DETAIL
ELEVATION VIEW



JOINT DETAIL
PLAN VIEW



JOINT DETAIL
PLAN VIEW

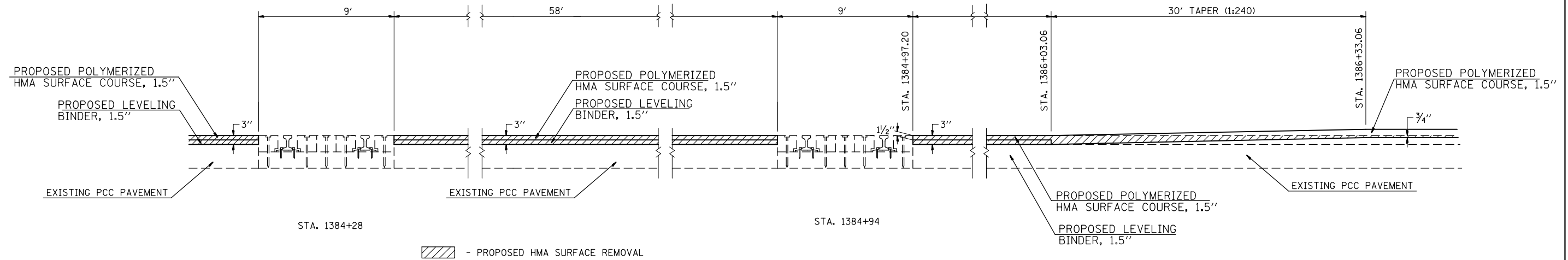
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING DETAILS

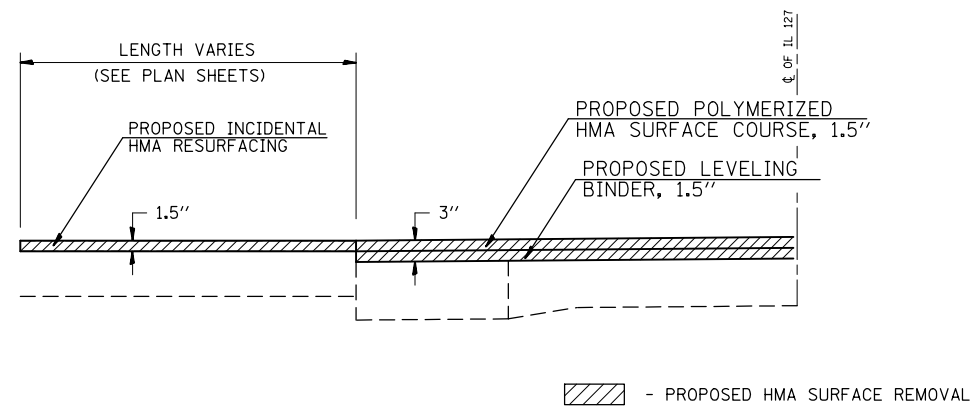
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76F47				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



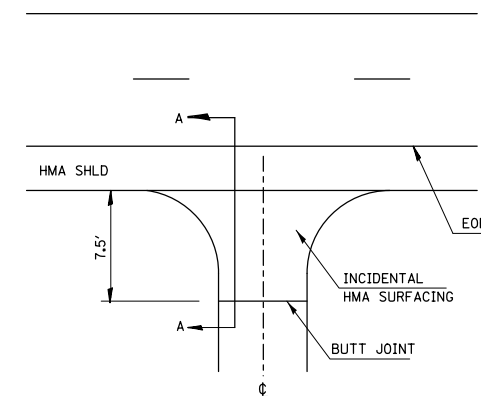
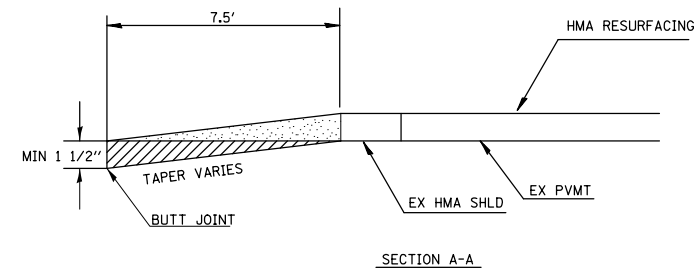
MILLING TRANSITION AND RAILROAD DETAIL

ELEVATION VIEW



SIDEROAD DETAIL

@ HOLZHAUER DR
 CHESTER ST. (RT)
 BELLEVILLE ST. (LT)
 ALTON ST. (RT & LT)
 LEBANON ST. (LT)



SIDEROAD & CONCRETE ENTRANCE DETAIL

STA. 1384+97 TO STA 1523+70

NOTE: THE CONC. ENTRANCE AT STA. 1474+24(LT) WILL HAVE A TRANSITION LENGTH OF 10'

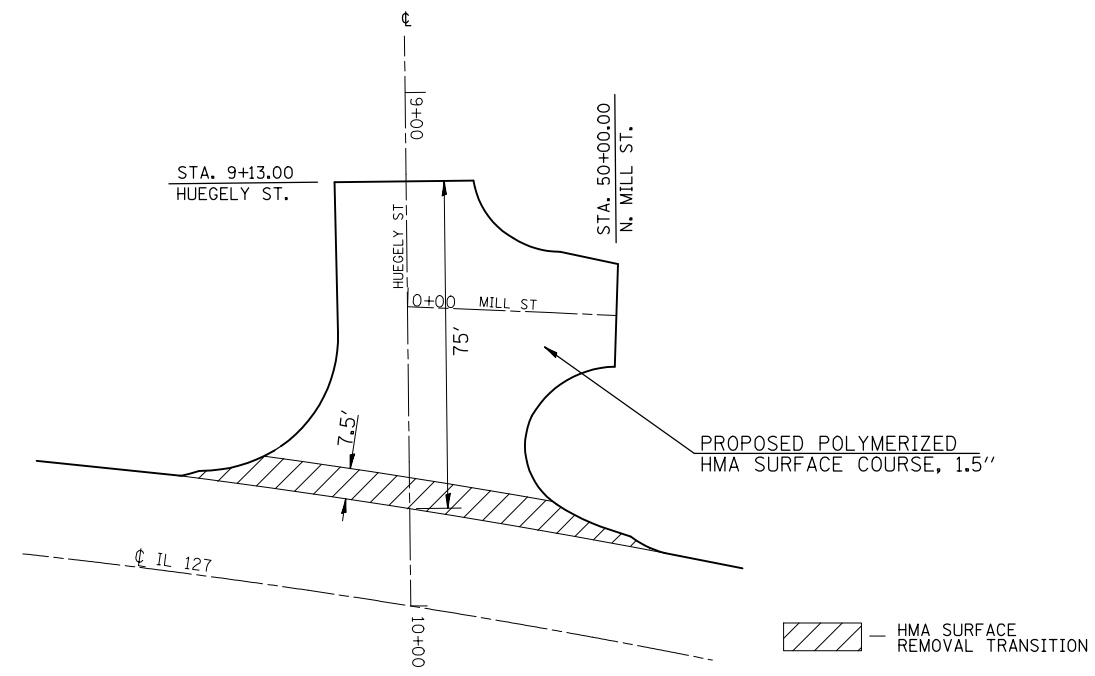
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

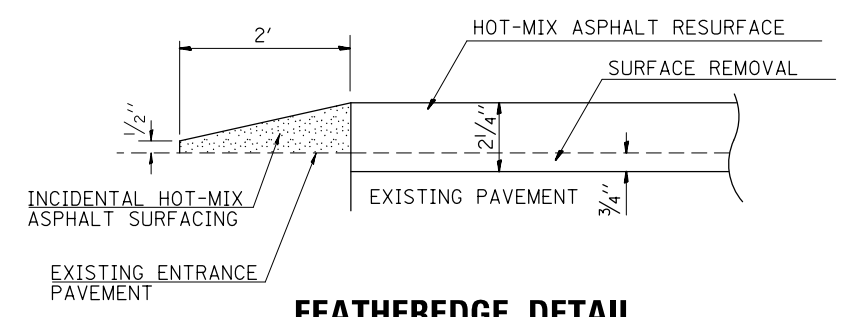
RESURFACING DETAILS

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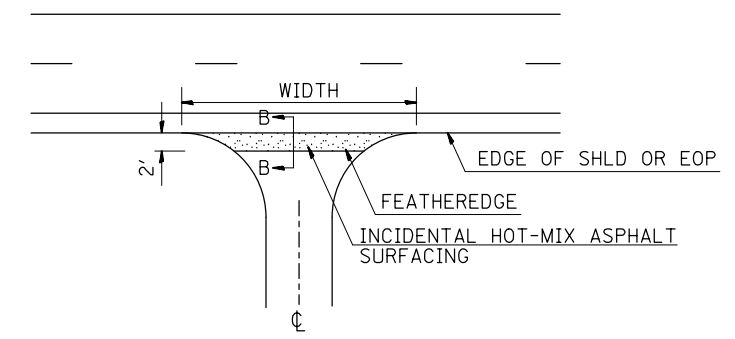
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42	102-IRS-3,102-TS	WASHINGTON	46	44
CONTRACT NO. 76F47				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



RESURFACING DETAIL
(HUEGELY RD.)
PLAN VIEW

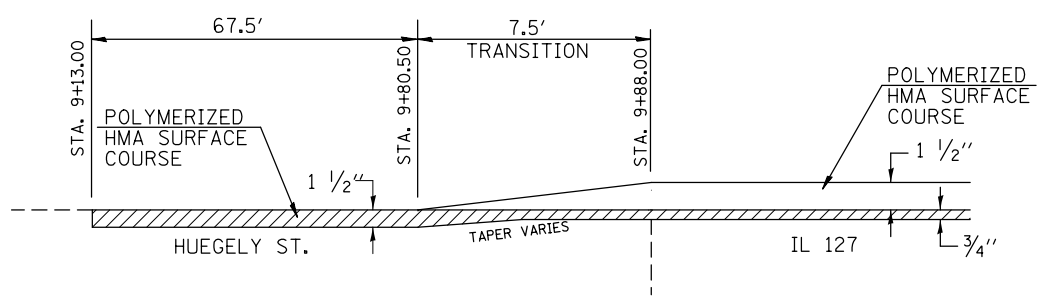


FEATHEREDGE DETAIL
SECTION B-B



HMA, AGG., AND FIELD
ENTRANCE DETAIL

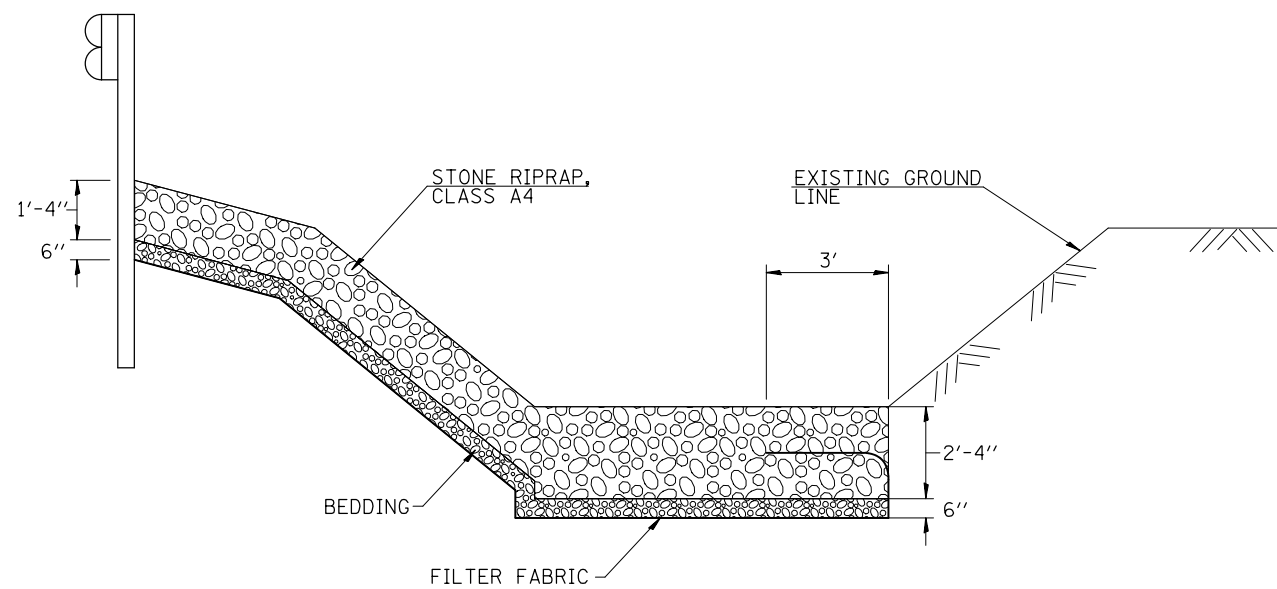
STA. 1384+97 TO STA 1523+70



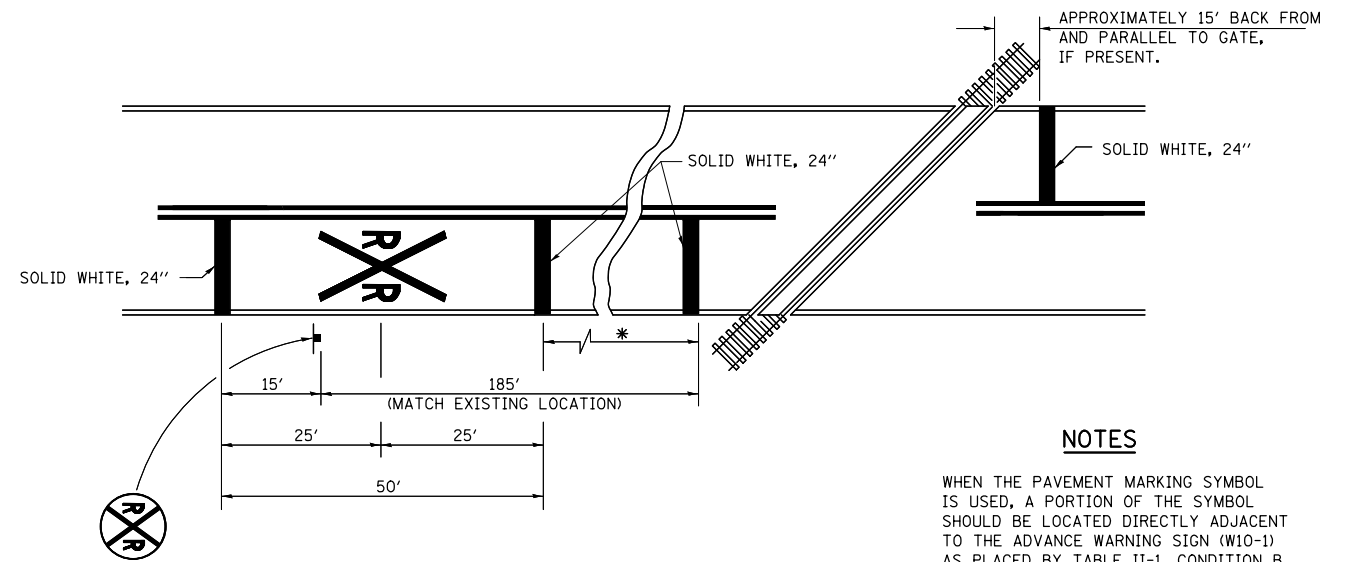
RESURFACING DETAIL
(HUEGELY RD.)
ELEVATION VIEW

NOTE: THE TRANSITION FROM 0" TO 1 1/2" WILL BE INCLUDED IN THE PAY ITEM PROPOSED HMA SURFACE REMOVAL, 1 1/2"

FILE NAME =	USER NAME = dntelmonjn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RESURFACING AND RIPRAP DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 76F47							
	PLOT DATE = 10/18/2013	DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	



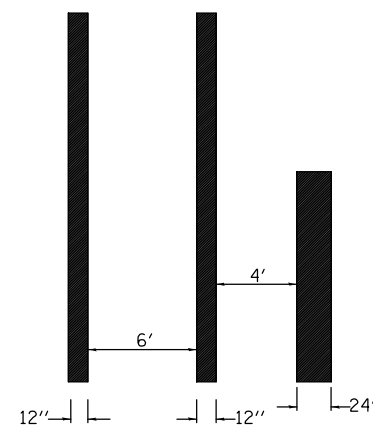
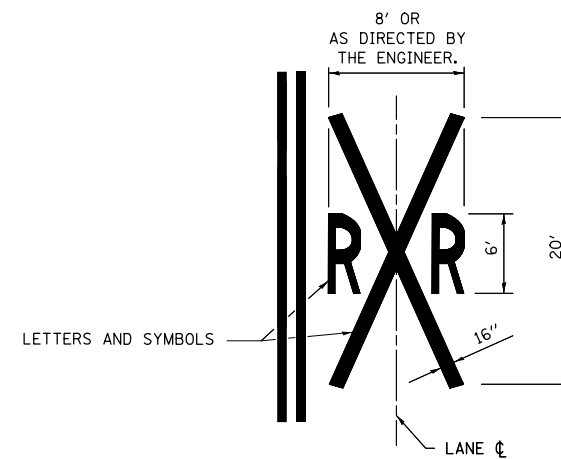
STONE RIPRAP DETAIL



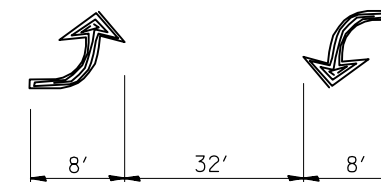
NOTES

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



TYPICAL APPLICATION FOR PEDESTRIAN CROSSWALK AND STOP BAR



BI-DIRECTIONAL LANE TURN ARROWS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND
GUARDRAIL DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	102-IRS-3,102-TS	WASHINGTON	46	46
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76F47	