

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

* 46 + 1 = 47

D-98-036-12



FOR INDEX OF SHEETS, SEE SHEET NO. 2

IL 127 (HOLZHAUER ST. TO IL 15)

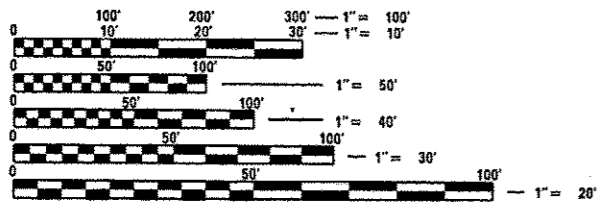
ADT = 8900 (2012) (ACTUAL)
ADT = 9150 (2015) (ESTIMATED)
ADT = 11150 (2035) (ESTIMATED)
SU = 2.2%
MU = 3.9%

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

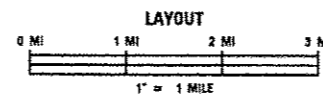
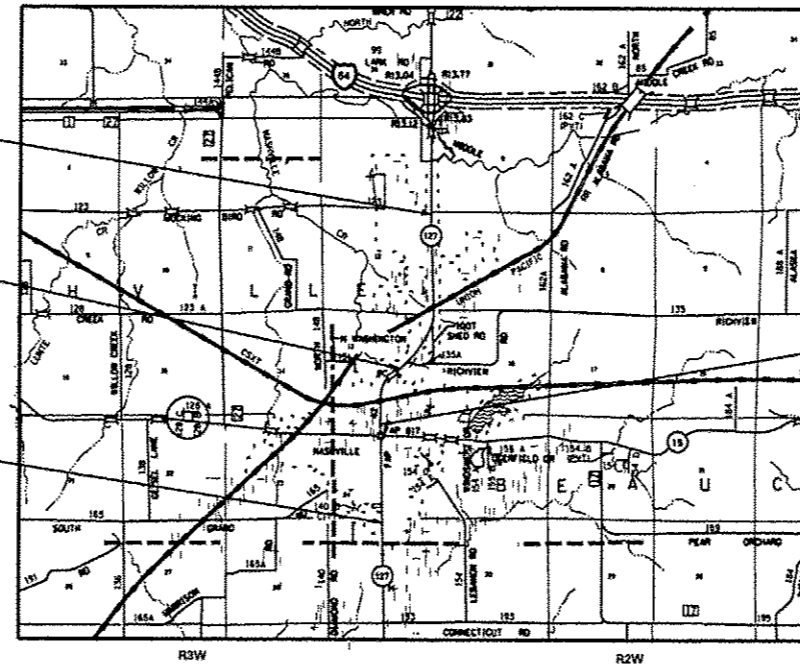
PROJECT ENGINEER: PATTI LEBEAU (618) 346-3179
PROJECT MANAGER: REBECCA THARP (618) 346-3323

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



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

DESIGN DESIGNATION
IVA

12-23-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED October 17, 2013
John D. Baranzelli
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER
Dec 6, 2013
John D. Baranzelli
acting 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

- 1. COVER SHEET
- 2. GENERAL NOTES, INDEX OF SHEETS, STANDARDS, COMMITMENTS
- 3.-6. SUMMARY OF QUANTITIES
- 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

* SHEET 46A ADDED



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 (SQ 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

12-23-13

FILE NAME :	USER NAME : dinstalmanj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, INDEX OF SHEETS, STANDARDS & COMMITMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
g:\pwork\p\dtd\instalmanj\180287304	1876F47.sht-plan.dgn	DRAWN -	REVISED -			42	102-IRS-3, 102-TS	WASHINGTON	46	2	
	PLOT SCALE : 100,0000' / 1"	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			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
				0005	0021	TRAFFIC SIG.
CODE NO	ITEM	UNIT	80% FED 20% STATE	50% STATE 50% CITY	80% FED 13.3% STATE 6.7% CITY	
20400800	FURNISHED EXCAVATION	CU YD	162			
28100107	STONE RIPRAP, CLASS A4	SO YD	653			
28200200	FILTER FABRIC	SO YD	653			
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	11			
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	33.4	32.3	1.1	
40600300	AGGREGATE (PRIME COAT)	TON	199	191	8	
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	2168	1947	221	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1387	1387		
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SO YD	711	711		
40600990	TEMPORARY RAMP	SO YD	1042	1042		
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	7189	6968	221	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	139	139		
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SO YD	47414	47414		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
				0005	0021	TRAFFIC SIG.
CODE NO	ITEM	UNIT	80% FED 20% STATE	50% STATE 50% CITY	80% FED 13.3% STATE 6.7% CITY	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	966			
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SO YD	19371			
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SO YD	7163	4537	2626	
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SO YD	21	21		
44200156	PAVEMENT PATCHING, TYPE II, 13 INCH	SO YD	30	30		
44200168	PAVEMENT PATCHING, TYPE II, 14 INCH	SO YD	68	68		
44200172	PAVEMENT PATCHING, TYPE III, 14 INCH	SO YD	32	32		
44200174	PAVEMENT PATCHING, TYPE IV, 14 INCH	SO YD	505	505		
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	48024	48024		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1172	1172		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	746	746		
50105220	PIPE CULVERT REMOVAL	FOOT	76	76		
54215559	METAL END SECTIONS 24"	EACH	2	2		
54200229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	85	85		

12-23-13

FILE NAME =	USER NAME = dintelmanjn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
ct:\p-work\pwidth\dintelmanjn\08287304	0876F47-shrplandgn	DRAWN -	REVISED -			42	102-1RS-3,102-T5	WASHINGTON	46 3
	PLOT SCALE = 1/8"=1'-0"	CHECKED -	REVISED -						CONTRACT NO. 76F47
	PLOT DATE = 10/10/2013	DATE -	REVISED -						ILLINOIS FED. AID PROJECT

SCALE: SHEET OF SHEETS STA. TO STA.

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
				0005	0021	TRAFFIC SIG.
CODE NO	ITEM	UNIT	80% FED 20% STATE	50% STATE 50% CITY	80% FED 13.3% STATE 6.7% CITY	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	575	575		
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	175	175		
* 63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	37.5	37.5		
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	9	9		
63200310	GUARDRAIL REMOVAL	FOOT	475	475		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	70	70		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9		
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1		
67100100	MOBILIZATION	L SUM	1	1		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
				0005	0021	TRAFFIC SIG.
CODE NO	ITEM	UNIT	80% FED 20% STATE	50% STATE 50% CITY	80% FED 13.3% STATE 6.7% CITY	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1		
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1		
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3997	3997		
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	1012	1012		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	63182	63182		
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	532	532		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2137	2137		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	248	248		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1332	1332		
* 72000100	SIGN PANEL - TYPE 1	SQ FT	5			5
* 72000200	SIGN PANEL - TYPE 2	SQ FT	20			20

* SPECIALTY ITEMS

12-23-13

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE		
				0005	0021	TRAFFIC SIG.					0005	0021	TRAFFIC SIG.
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 80% FED 20% STATE	PARK LANS 50% STATE 50% CITY	TRAFFIC SIG. 80% FED 13.3% STATE 6.7% CITY	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 80% FED 20% STATE	PARK LANS 50% STATE 50% CITY	TRAFFIC SIG. 80% FED 13.3% STATE 6.7% CITY
* 72400310	REMOVE SIGN PANEL - TYPE 1	SO FT	9	9			* 80500100	SERVICE INSTALLATION, TYPE A	EACH	1			1
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO 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

12-23-13

FILE NAME :	USER NAME : dinstelmann	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\dinstelmann\49287324	1076P47-shr-plan.dgn	DRAWN -	REVISED -	SCALE:	SHEET OF SHEETS STA. TO STA.	42	102-IRS-3.102-TS	WASHINGTON	46	5
	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED -	ILLINOIS FED. AID PROJECT CONTRACT NO. 76P47						
	PLOT DATE = 10/18/2013	DATE -	REVISED -							

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE		
				0005	0021	TRAFFIC SIG.					0005	0021	TRAFFIC SIG.
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 80% FED 20% STATE	PARK. LANES 50% STATE 50% CITY	TRAFFIC SIG. 80% FED 13.3% STATE 6.7% CITY	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 80% FED 20% STATE	PARK. LANES 50% STATE 50% CITY	TRAFFIC SIG. 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 I	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	HR	1500	1500									
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HR	1500	1500									

∅ 0042

⚠ 12-23-13

FILE NAME *	USER NAME * dntelmenjn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
af:\pwork\spidot\dntelmenjn\10287384	1076F47-shr-plan.dgn	DRAWN -	REVISED -			42	102-1RS-3,102-TS	WASHINGTON	46	6
	PLOT SCALE * 1/8"=1'-0"	CHECKED -	REVISED -							
	PLOT DATE * 10/19/2013	DATE -	REVISED -							
						SCALE:	SHEET	OF	SHEETS	STA. TO STA.
						ILLINOIS FED. AID PROJECT				



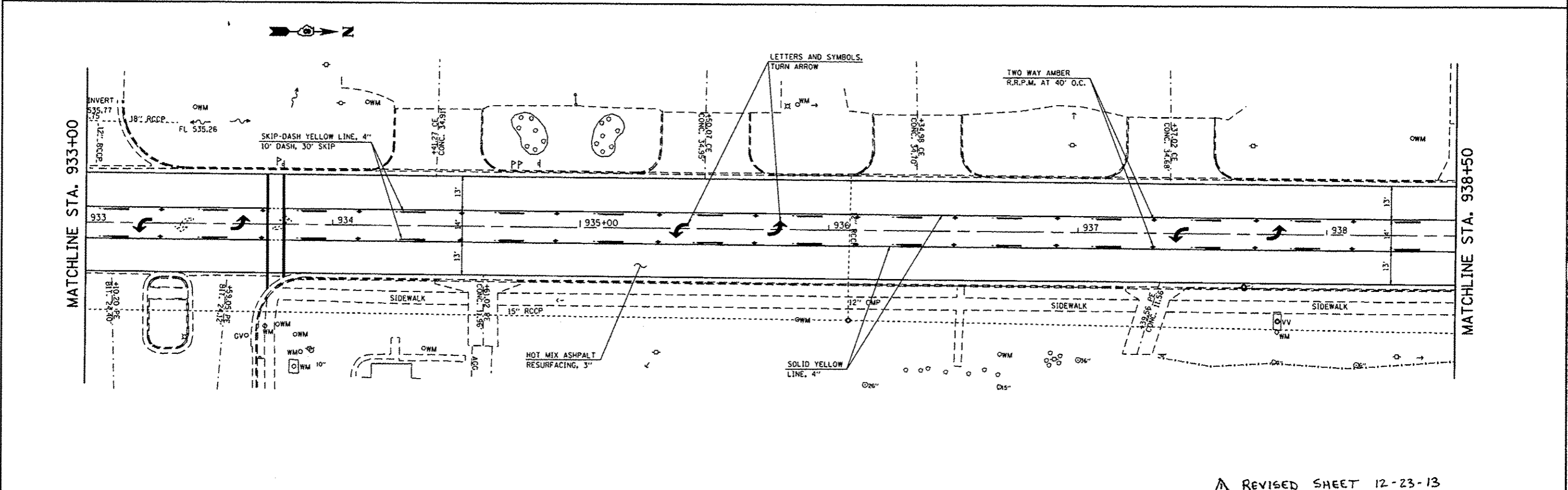
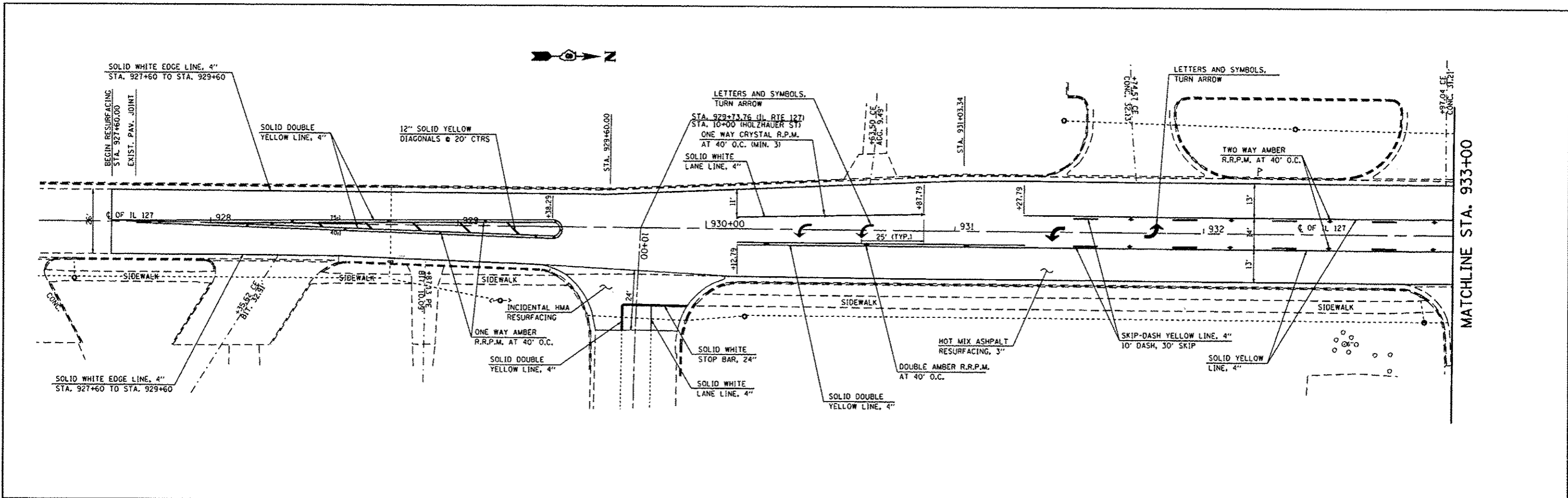
MAINLINE RESURFACING SCHEDULE

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)	(FOOT)
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	127.05	825
1389+08	TO	1390+72	646.89			0.17	1.61	67.73	67.73	492
1390+72	TO	1400+67	3316.67			0.83	7.96	334.32	334.32	1990
1400+67	TO	1467+75	19743.33			4.94	47.38	1990.13	1990.13	11846
1467+75	TO	1471+39	1712.22			0.46	4.41	185.16	185.16	728
1471+39	TO	1473+25	1129.85			0.31	3.02	126.74	126.74	372
1473+25	TO	1476+18	1456.86			0.39	3.78	158.95	158.95	586
1476+18	TO	1478+03	914.22			0.25	2.37	99.62	99.62	927
1478+03	TO	1483+43	2218.27			0.58	5.58	234.18	234.18	2698
1483+43	TO	1493+08	3216.67			0.81	7.72	324.24	324.24	1930
1493+08	TO	1498+74	2265.44			0.59	5.66	237.87	237.87	1699
1498+74	TO	1501+44	1259.72			0.34	3.24	136.05	136.05	810
1501+44	TO	1503+16	1030.20			0.29	2.75	115.38	115.38	515
1503+16	TO	1506+65	1626.99			0.44	4.18	175.71	175.71	1046
1506+65	TO	1523+70	5684.53			1.42	13.64	573.00	573.00	3411
TOTAL			47414	7163	19371	27	194	2168	7054	48024

SHOULDER SCHEDULE

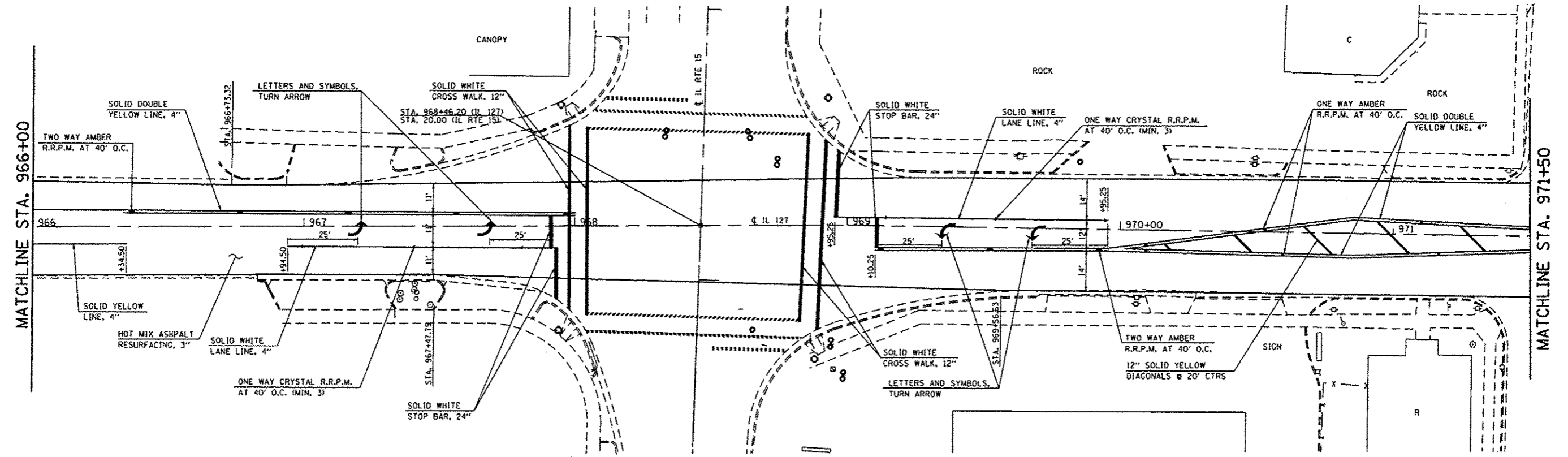
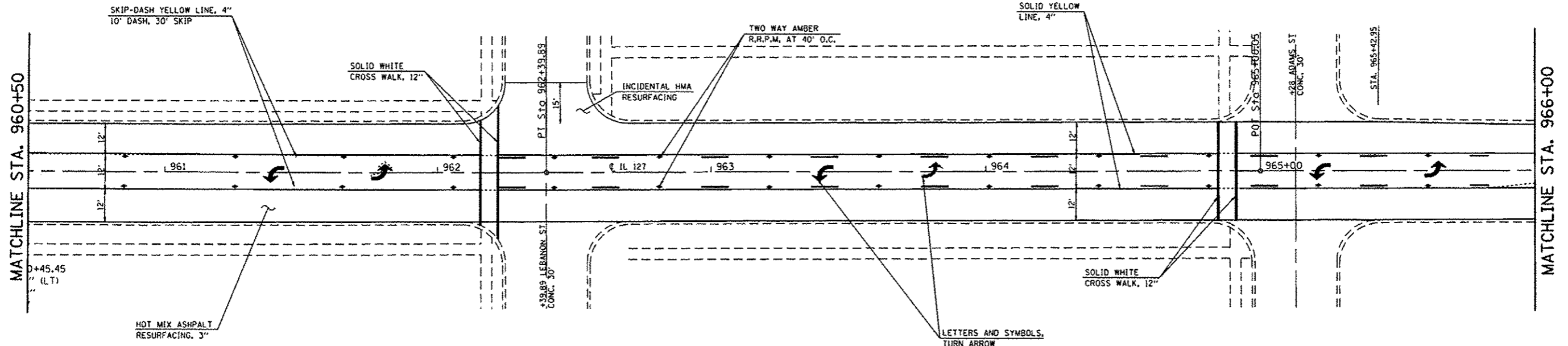
LOCATION			BIT. MAT'LS (PRIME COAT)	AGGREGATE WEDGE SHOULDER, TYPE B	HOT-MIX ASPHALT SHOULDERS
			(TON)	(TON)	(TON)
STA.	TO	STA.			
1384+97	TO	1390+00	0.07	19.25	27.72
1390+00	TO	1395+50	0.11	32.08	46.20
1395+50	TO	1409+00	0.11	32.08	46.20
1409+00	TO	1414+50	0.11	32.08	46.20
1414+50	TO	1420+00	0.09	25.67	36.96
1420+00	TO	1425+50	0.11	30.04	43.26
1425+50	TO	1431+00	0.11	32.08	46.20
1431+00	TO	1436+50	0.10	28.70	41.33
1436+50	TO	1442+00	0.08	22.22	32.00
1442+00	TO	1447+50	0.10	27.30	39.31
1447+50	TO	1453+00	0.11	32.08	46.20
1453+00	TO	1458+50	0.10	26.83	38.64
1458+50	TO	1464+00	0.11	29.51	42.50
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	0.10	13.38	38.53
1475+00	TO	1480+50	0.15	21.39	61.60
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	0.11	32.08	46.20
1491+50	TO	1497+00	0.10	28.35	40.82
1497+00	TO	1502+50	0.09	26.54	38.22
1502+50	TO	1508+00	0.10	28.47	40.99
1508+00	TO	1513+50	0.11	32.08	46.20
1513+50	TO	1519+00	0.11	32.08	46.20
1519+00	TO	1523+70	0.20	54.83	78.96
TOTAL			3.0	746	1172

12-23-13



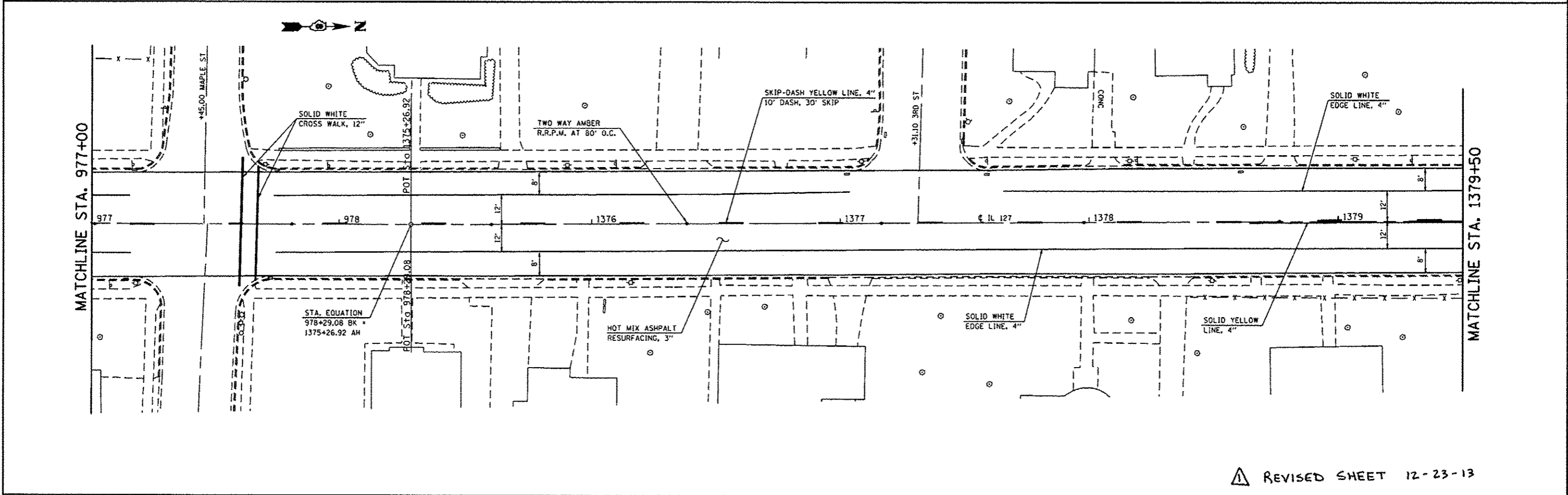
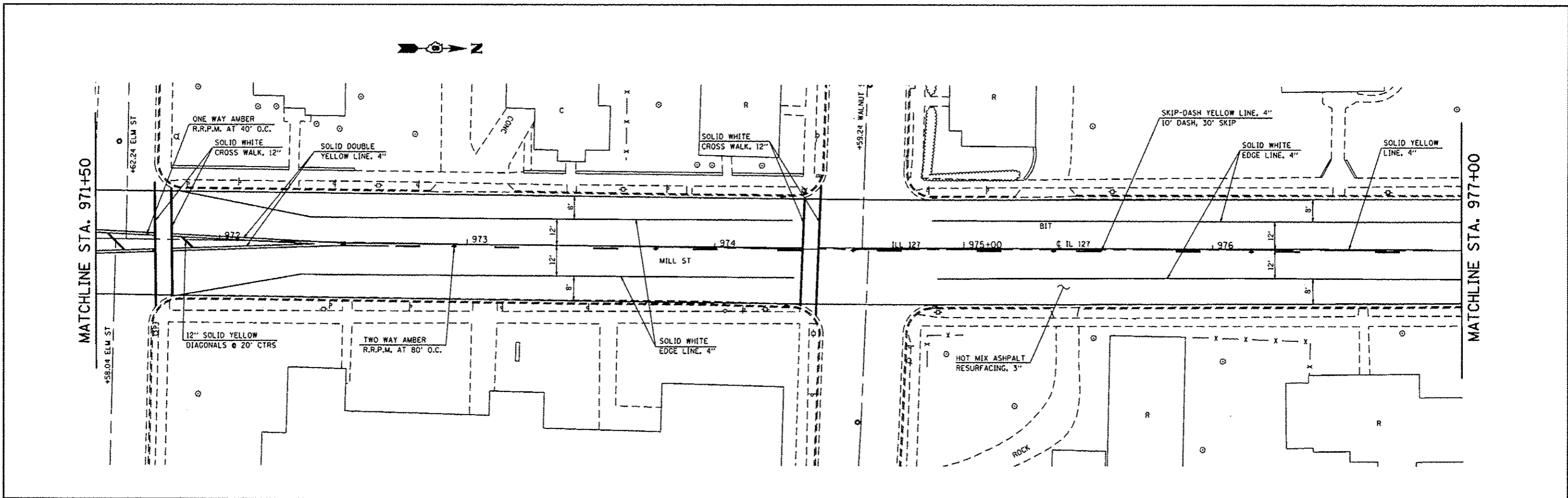
△ REVISED SHEET 12-23-13

FILE NAME #	USER NAME # USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PAVEMENT MARKING SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILE#		DRAWN -	REVISED -			42	102-1RS-3,102-TS	WASHINGTON	46	16	
MODELNAME#		CHECKED -	REVISED -			CONTRACT NO. 76F47					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



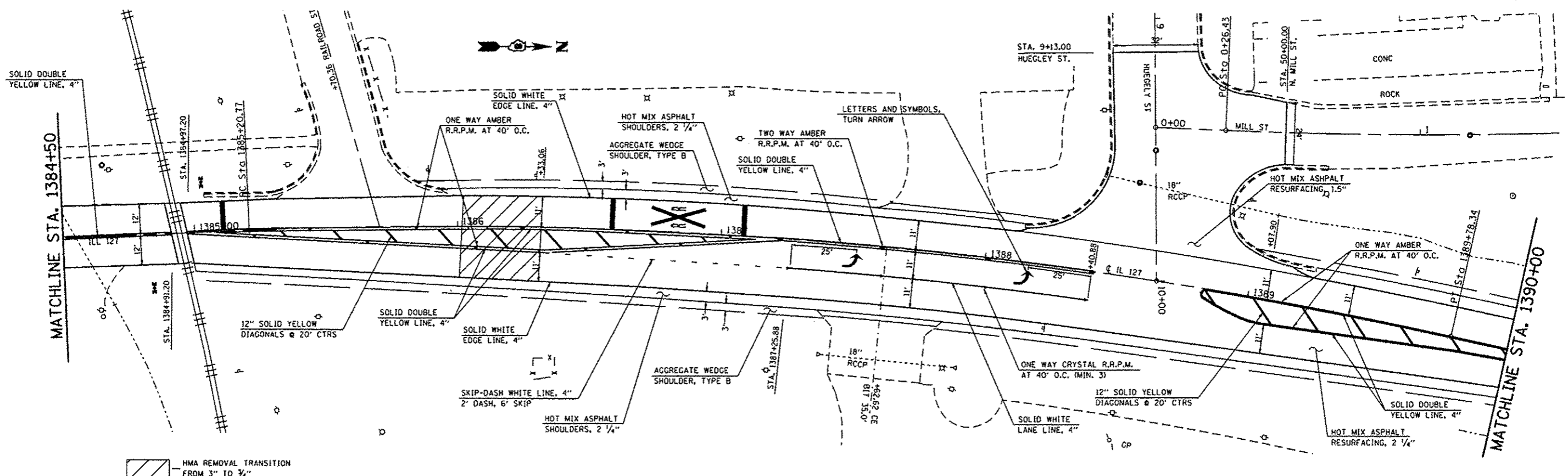
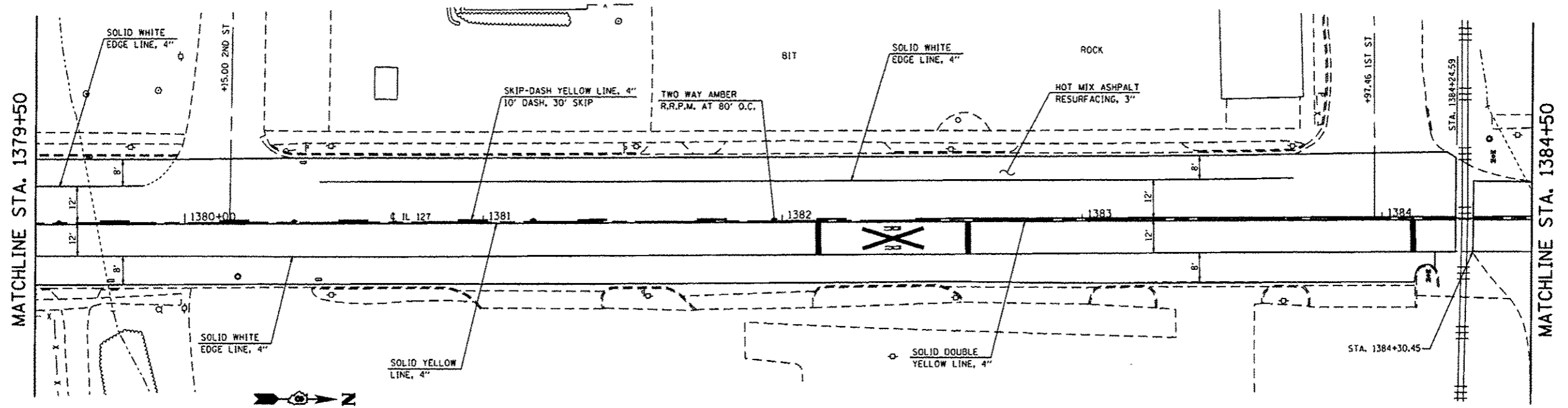
REVISD SHEET 12-23-13

FILE NAME *	USER NAME * dntalmanjn	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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	PLOT DATE * 12/18/2013	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



REVISI^oN SHEET 12-23-13

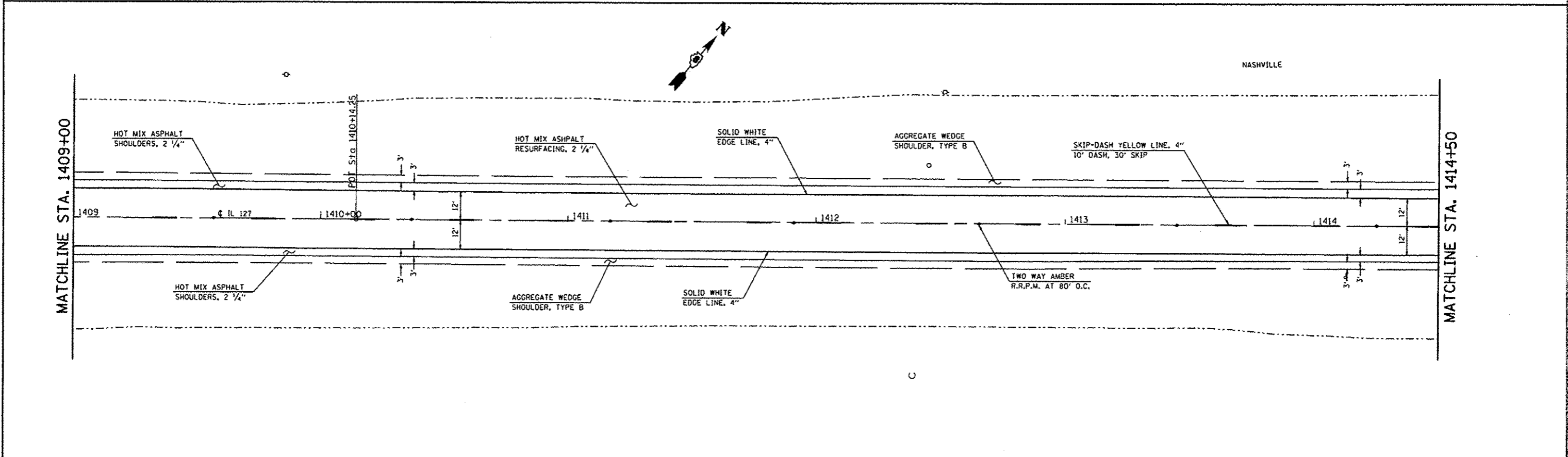
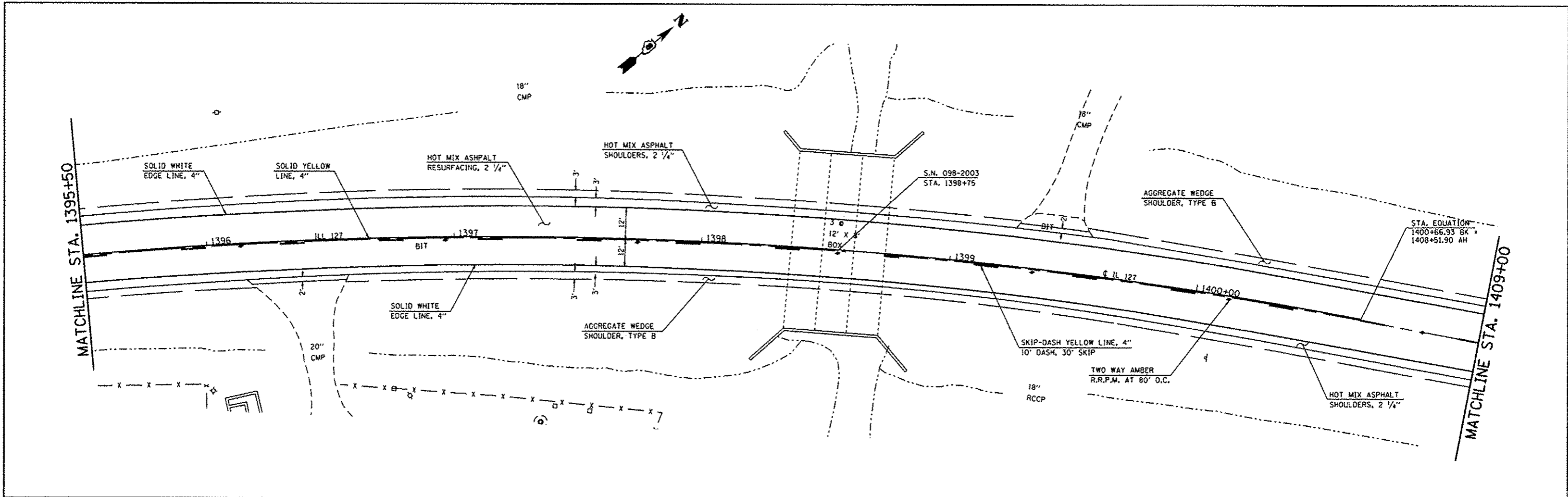
FILE NAME c:\pwwork\psid\1\dintelman\1\20287304	USER NAME dintelmanjn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PAVEMENT MARKING SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1/8" = 10'	CHECKED	REVISED			42	102-1RS-3,102-TS	WASHINGTON	46	20
#MODELNAME	PLOT DATE = 12/18/2013	DATE	REVISED	SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT



HMA REMOVAL TRANSITION FROM 3" TO 1/4"

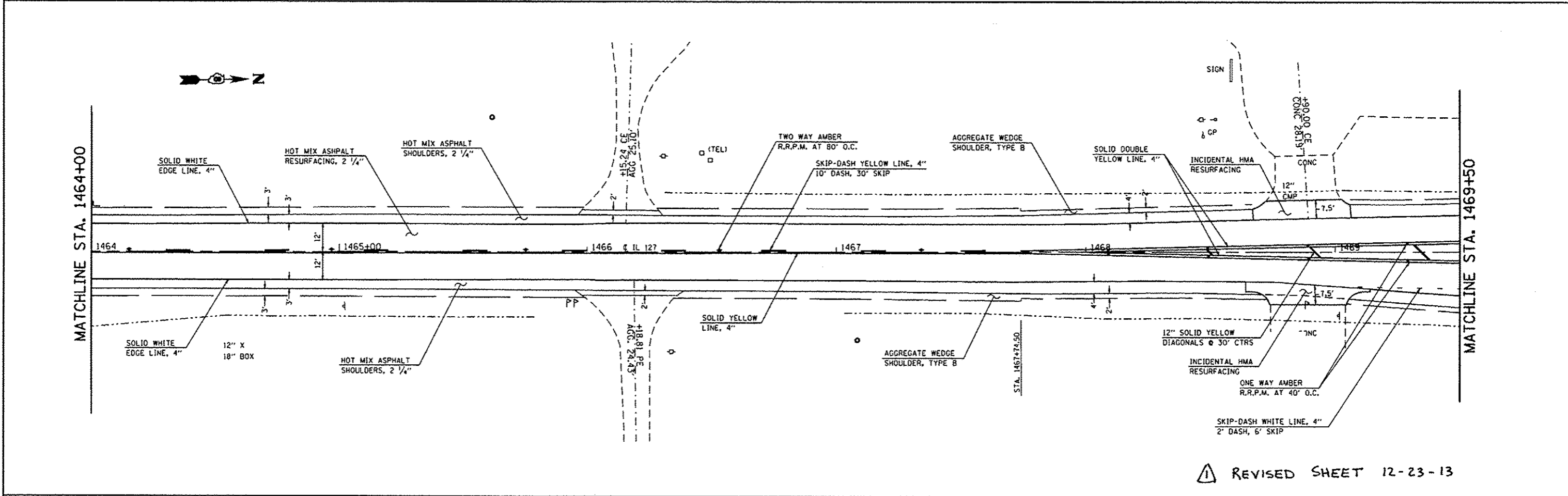
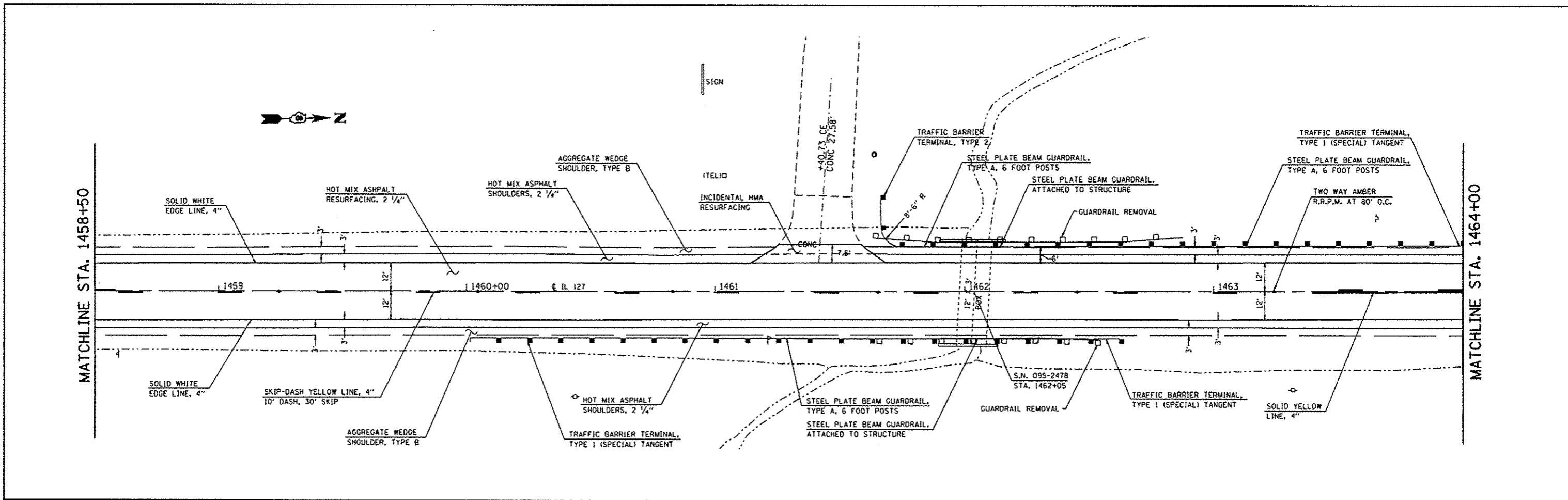
REVISED SHEET 12-23-13

FILE NAME *	USER NAME * #USER*	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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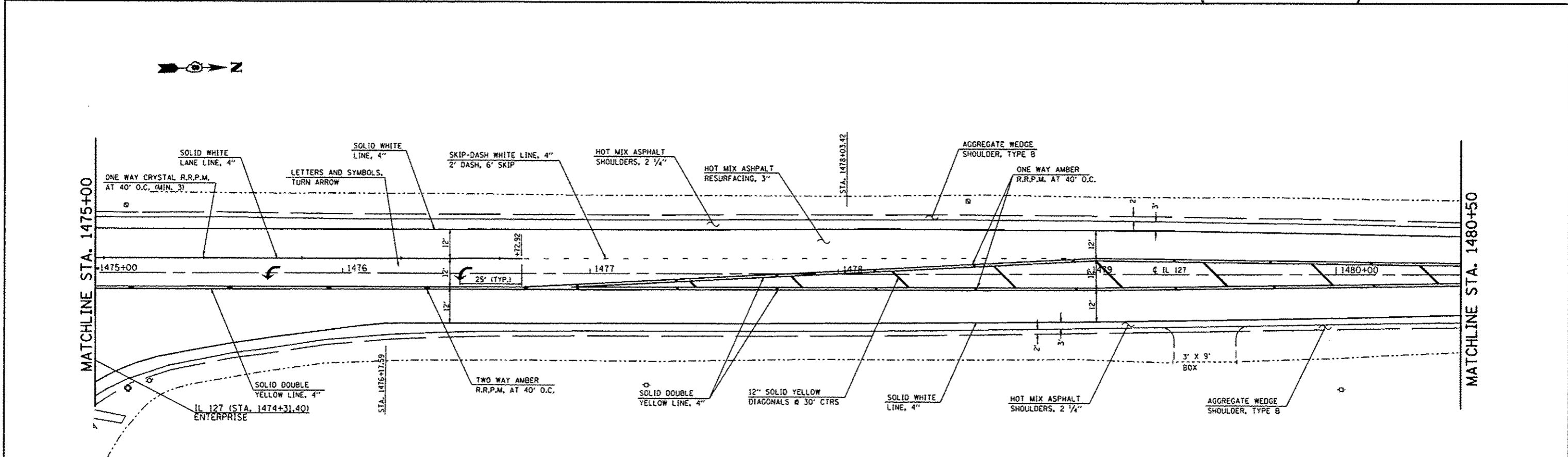
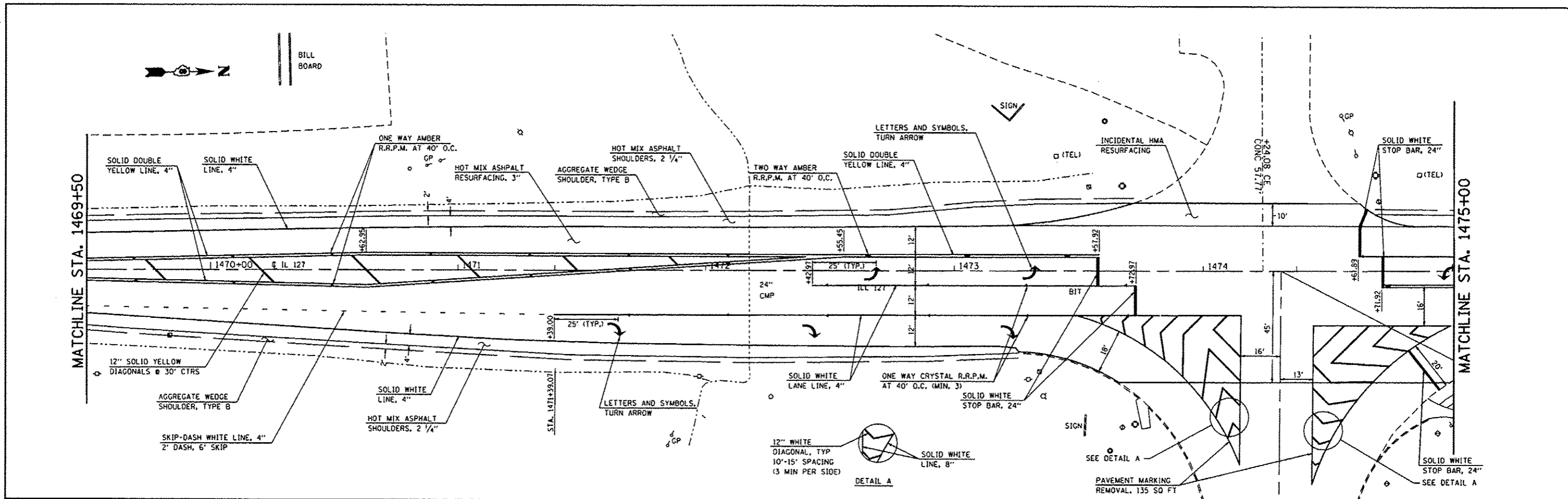
▲ REVISED SHEET 12-23-13

FILE NAME =	USER NAME = dinstelmanjn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PAVEMENT MARKING SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pvid\dinstelmanjn\140287384	876F47-shit-plandgn	DRAWN -	REVISED -			42	102-1RS-3.102-TS	WASHINGTON	46	23	
MODELNAME#	PLOT SCALE = 48.0000' / 1"	CHECKED -	REVISED -			SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____					
	PLOT DATE = 12/18/2013	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



⚠️ REVISED SHEET 12-23-13

FILE NAME:	USER NAME: dntalman.jn	DESIGNED: _____	REVISED: _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PAVEMENT MARKING SHEETS	F.A.P. RTE.:	SECTION:	COUNTY:	TOTAL SHEETS:	SHEET NO.:	
ca:\pwork\pav\dot\dntalman.jn\08287384	0876F47-shl-plandgn	DRAWN: _____	REVISED: _____			42	102-1RS-3.102-TS	WASHINGTON	46	28	
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	PLOT DATE: 12/18/2013	DATE: _____	REVISED: _____			ILLINOISIFIED AID PROJECT					

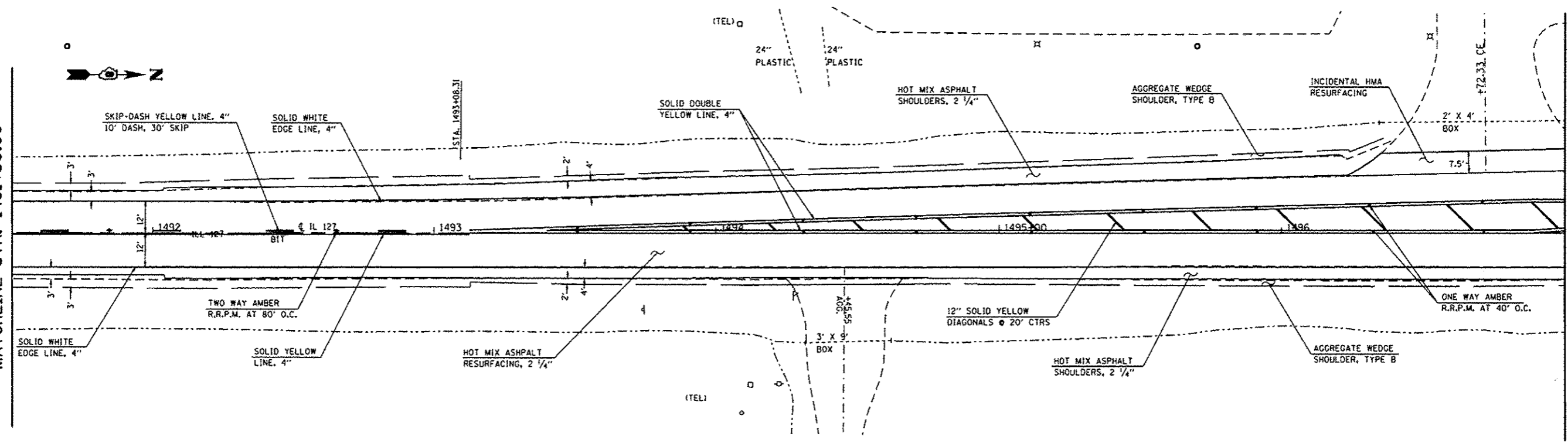


⚠️ REVISED SHEET 12-23-13

FILE NAME *	USER NAME * dntalmeyn	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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MODELNAME	PLOT SCALE * 1/8" = 1'	CHECKED -	REVISED -			CONTRACT NO. 76F47					
	PLOT DATE * 12/19/2013	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

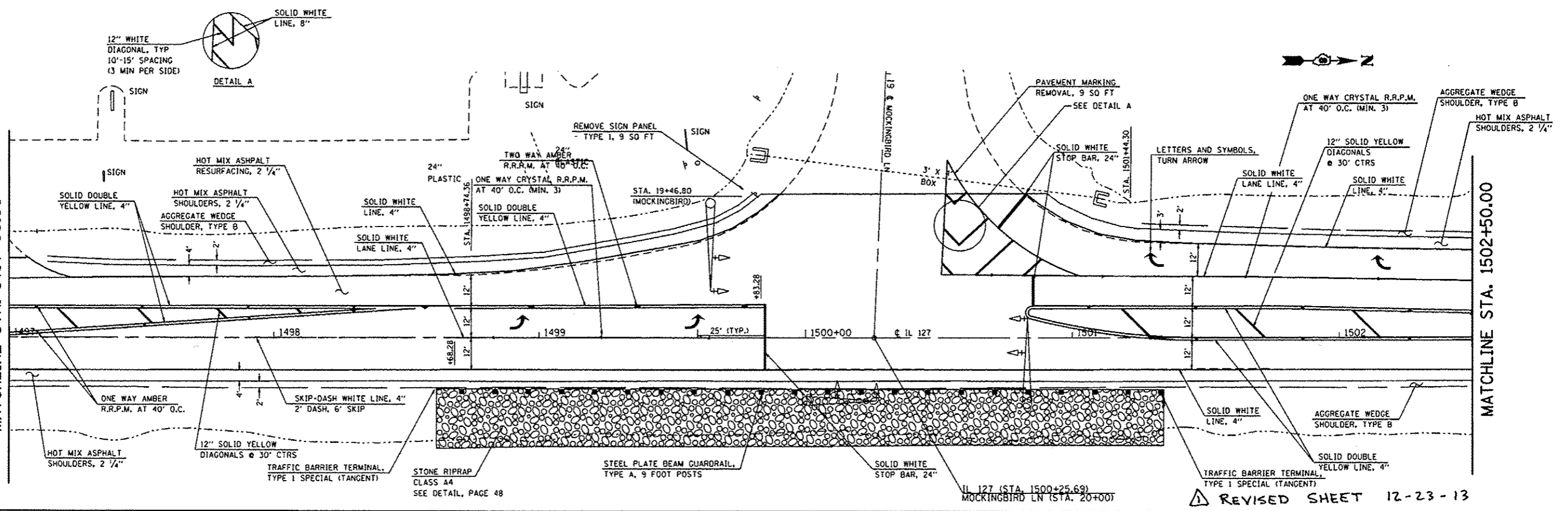
MATCHLINE STA. 1491+50.00

MATCHLINE STA. 1497+00.00

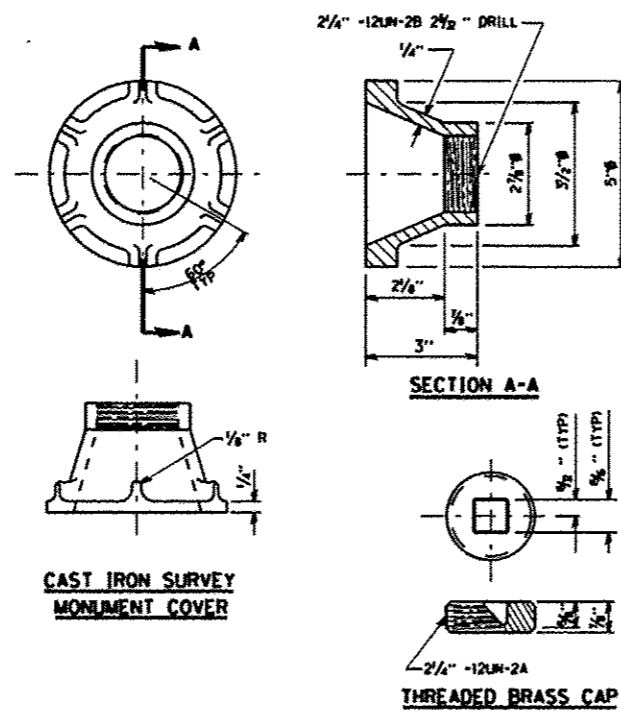


MATCHLINE STA. 1497+00.00

MATCHLINE STA. 1502+50.00



FILE NAME =	USER NAME = dntelmarj	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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	PLOT DATE = 12/18/2013	DATE -	REVISED -		ILLINOIS FED. AID PROJECT						



NOTES:
 ALL DIMENSIONS ARE IN INCHES.
 ALL RADII ARE 3/8" UNLESS SPECIFIED.
 ALL CHAMFERS ARE 45°.
 ROUND ALL SHARP EDGES.
 USE THREADS AND DIMENSIONS AS SPECIFIED OR EQUIVALENT, WITH THE APPROVAL OF THE ENGINEER.
 THE SURVEY MONUMENT COVER ASSEMBLY SHOWN IS AN EXAMPLE. OTHER MODELS, SIMILAR IN DESIGN, MAY BE USED WITH THE APPROVAL OF THE ENGINEER.
 THE THREADS OF THE CAP AND COVER WILL BE COATED WITH PIPE TAPE OR PIPE THREAD COMPOUND PRIOR TO INSTALLATION.

⚠ 12-23-13
 SHEET ADDED

FILE NAME *	USER NAME * chailandesk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CAST IRON SURVEY MONUMENT COVER	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\p\idoc\chailandesk\d0287304	d876f47-shi-plendgr	DRAWN -	REVISED -			42	102-1RS-3, 102-TS	WASHINGTON	46	46A	
	PLOT SCALE * 100.0000 1 / in.	CHECKED -	REVISED -			CONTRACT NO. 76F47					
	PLOT DATE * 1/7/2014	DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	