

INDEX OF SHEETS

- 1 COVER SHEET
- 2-7 COMMITMENTS, GENERAL NOTES
- 8-11 SUMMARY OF QUANTITIES
- 12-14 TYPICAL SECTIONS
- 15-21 SCHEDULE OF QUANTITIES
- 22 LINE DIAGRAM
- 23-25 TRAFFIC SIGNALS
- 26-29 CADD STANDARDS

HIGHWAY STANDARDS

- 442201-03
- 701502-04
- 701701-07
- 701901-01
- 780001-02
- 781001-03
- 886001-01
- 886006-01

CADD STANDARDS

- 406101-04
- 440001-04

2009 ADT = 10750
 MU = 125
 SU = 450

DESCRIPTION OF PROJECT

THIS PROJECT CONSISTS OF FULL DEPTH PATCHING, COLD MILLING, RESURFACING, AND OTHER COLLATERAL WORK ON IL78 FROM BIG CREEK PARK TO TO ASH STREET WITH IN THE CITY LIMITS OF CANTON.

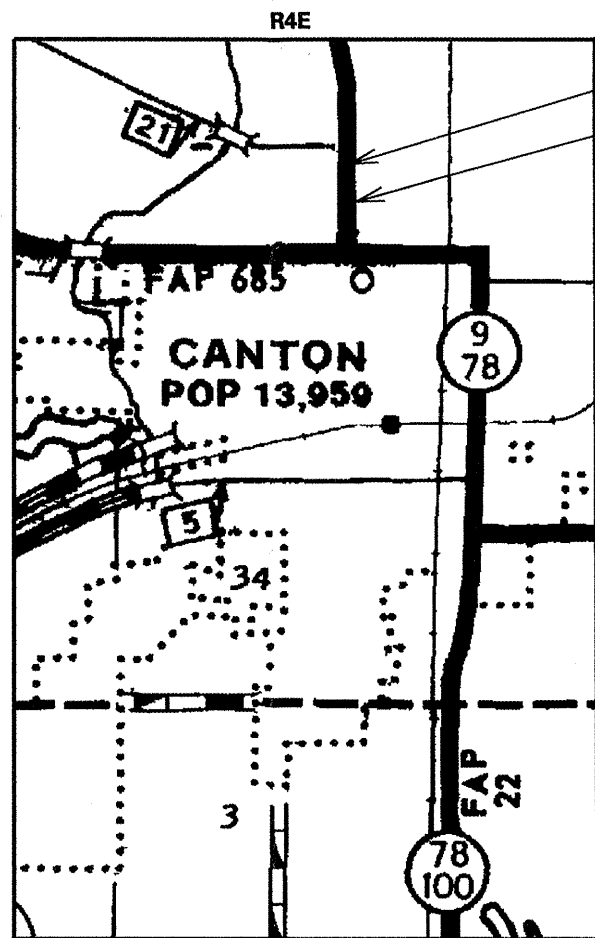
J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

PROJECT ENGINEER Rich Dotson 309-671-3455
 PROJECT MANAGER J.J. Appenzeller 309-671-3481

CONTRACT NO. 68A32 CATALOG NO. 034647-00D

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

FAP 22 ROUTE IL 78
 SECTION 135RS-7
 FULTON COUNTY
 PROJECT ACF-0022(079)
C-94-046-11

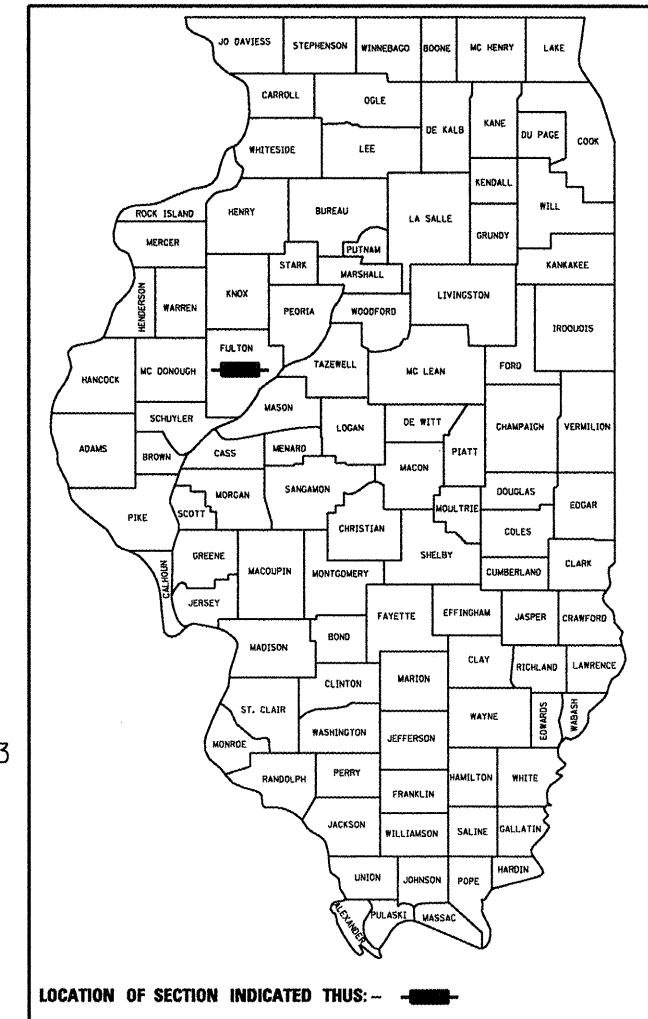


Begin Improvement Sta.282+63
 End Improvement Sta.312+27

GROSS LENGTH = 2994 FT. = .56 MILE
 NET LENGTH = 2994 FT. = .56 MILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	135RS-7	FULTON	29	1
		ILLINOIS	CONTRACT NO.68A32	

D-94-026-11



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED March 22 20 11

[Signature]
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 13 20 11
Scott E. Stett, P.E.
 acting ENGINEER OF DESIGN AND ENVIRONMENT

May 13 20 11
Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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 OF THE STATE OF ILLINOIS**

COMMITMENTS

107.00

(No commitments were made for this project)

Commitments are not to be altered without the written approval of all parties to which the commitment was made.

107.09 PROPERTY OWNER ACCESS REQUIREMENTS

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

107.09A CONSECUTIVE SIDE STREET (ROAD) CLOSURE – PROHIBITED

- 1. No two consecutive side streets (roads) may be closed at the same time during construction. The Contractor must alternate streets (roads).**
- 2. Adjacent side roads will not be closed simultaneously. BLR Standard 21 shall be used for all local road closures without any entrances within the closed area. BLR Standard 22 can be used where it is necessary to allow local traffic access.**

FILE NAME = 68978.dgn	USER NAME = oppenzeller_jj	DESIGNED - ---	REVISED - -----	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS, GENERAL NOTES, JOB SPECIFIC NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.9989' / IN.	CHECKED - ---	REVISED - -----			22	135RS-7	FULTON	29	2
	PLOT DATE = 3/21/2011	DATE - -----	REVISED - -----			CONTRACT NO. 68A32			ILLINOIS FED. AID PROJECT	
				SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____						

107.29 WINTER SHUTDOWN RESTRICTIONS ON COLD MILLED PROJECTS

Prior to winter shutdown the following steps shall be taken:

- * All cold milled surfaces shall be overlaid.
- * All lanes shall be reopened to traffic.
- * Manholes, where applicable, shall be adjusted to the elevation of the binder course/leveling binder to ease in plowing snow, and re-adjusted to finished grade in the Spring. The initial manhole adjustment will be paid for at the contract unit price and any re-adjustment, as directed by the Engineer, will be paid for in accordance with Article 109.04.
- * Temporary or permanent pavement marking shall be placed as applicable.

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	PLOT SCALE = 1.0019" / IN.	DRAWN - ---	REVISED - ---			22	135RS-7	FULTON	29	3	
PLOT DATE = 3/21/2011	CHECKED - ---	REVISED - ---	CONTRACT NO. 68A32			ILLINOIS FED. AID PROJECT					
	DATE - ---	REVISED - ---	SCALE: _____		SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____					

204.00 ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- * BDE Form 2289 (Environmental Survey Request)**
- * A location map showing the size limits and location of the use area**
- * Signed property owner agreement form-D4 PI0100**
- * Color photographs depicting the use area**
- * Borrow Area Entry Agreement form-D4 PI0101**

Please note that a minimum of two weeks shall be allowed for the District to obtain the required environmental clearances.

USER NAME = eppenzeller,jj	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS,GENERAL NOTES,JOB SPECIFIC NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1:8819' / IN.	DRAWN - ---	REVISED - ---			22	135RS-7	FULTON	29	4
PLOT DATE = 3/22/2011	CHECKED - ---	REVISED - ---			CONTRACT NO.68978			ILLINOIS FED. AID PROJECT	
	DATE - ---	REVISED - ---		SCALE: -----	SHEET NO. -- OF --- SHEETS	STA. -----	TO STA. -----		

406.03 PAVEMENT STATIONING NUMBERS & PLACEMENT

The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 3/4 inch (20mm) wide, 5 inches (125 mm) high and 5/8 inch (15 mm) deep.

The pavement station numbers shall be installed as specified herein:

Interval – 200 feet (English stationing) or 100 meters (metric stationing)

Bottom of Numbers – 6 inches (150 mm) from the inside edge of the pavement marking

Location:

- * 2,3, & 5 Lane Pavements – right edge of pavement in direction of increasing stations
- * Multi-Lane Divided Roadways – outside edge of pavement in both directions
- * Ramps – along baseline edge of pavement

Position – stations shall be placed so they can be read from the adjacent shoulder

Format – English (Metric) pavement stations shall use this format "XXX (XX + X00)" where X represents the pavement station

This work will not be paid for separately, but will be considered included in the cost of the associated pavement and/or overlay pay items.

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	PLOT SCALE = 1:8019 ' / IN.	DRAWN - ---	REVISED - ---			22	135R5-7	FULTON	29	5
PLOT DATE = 3/22/2011	CHECKED - ---	REVISED - ---	REVISED - ---		SCALE: _____	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 68A32 [ILLINOIS] FED. AID PROJECT		

406.18 BUTT JOINT CUTTING TIME RESTRICTION

Butt joints shall not be milled more than three (3) days prior to placement of the HMA surface course.

406.19 PAVING SURFACE COURSE

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

FILE NAME = 88978.dgn	USER NAME = appenzellerJJ	DESIGNED - ---	REVISED - -----	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS, GENERAL NOTES, JOB SPECIFIC NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1.0001' / IN.	DRAWN - ---	REVISED - -----			22	135RS-7	FULTON	29	6
	PLOT DATE = 3/22/2011	CHECKED - ---	REVISED - -----			CONTRACT NO. 68A32			ILLINOIS FED. AID PROJECT	
	DATE - -----	REVISED - -----		SCALE: -----	SHEET NO. -- OF -- SHEETS	STA. -----	TO STA. -----			

406.05 POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) RATES

Surface Type	Estimated Truck Application Rate	Residual Rate
Milled (HMA or PCC)	0.08 gal/sy (0.00034 ton/sy)	0.04 gal/sy
Existing Pavement	0.05 gal/sy (0.00022 ton/sy)	0.025 gal/sy
Fog Coat (between lifts)	0.05 gal/sy (0.00022 ton/sy)	0.025 gal/sy

Note: Estimated truck application rate is used for estimating quantities.

BITUMINOUS MIXTURE REQUIREMENTS		2/9/2011	Save As	ReSend
Contract	68A32	Description	IL 78 from Big Creek Park to Ash Street in Canton	
		County		
		Marked Route	IL 78	
The following mixture requirements are applicable for this project:				
Mixture Use(s):	Polymer Surface Course	Incidental Surface Course	CID Patches (if needed)	
AC/PG:	SBS or SBR 70-22	PG 64-22	PG 64-22	
RAP% (Max): **	10%	15%	25%	
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	
Mixture Composition:	IL 9.5 or IL12.5	IL 9.5 or IL12.5	IL 19.0	
Friction Aggregate:	Mixture E	Mixture C	N.A.	
Note: Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal maximum aggregate size.				
Designer	JJ Appenzeller			
esals	XXX			

Summary of Quantities

Code Order

ROUTE		SECTION	COUNTY	SHEET	
FAP	22	135RS-7	FULTON	TOTAL	NO.
IL	78			29	8
			CONTRACT NO.	68A32	

CONSTRUCTION TYPE CODE

IL 78 FULTON	0021
0005	SIGNALS
80FED/20ST	80% FEDERAL
	20% STATE
	DET LOOPS

CODE No.	ITEM	UNIT	Tot.QTY		
40600215	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	TON	5	5	
40600300	AGGREGATE (PRIME COAT)	TON	28	28	
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1413	1413	
40600990	TEMPORARY RAMP	SQ YD	213	213	
40603560	POLYMERIZED HOT - MIX ASPHALT SURFACE COURSE, MIX "E", N50	TON	1452	1452	
40800050	INCIDENTAL HOT - MIX ASPHALT SURFACING	TON	131	131	
44000157	HOT - MIX ASPHALT SURFACE REMOVAL, 2 "	SQ YD	12724	12724	
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	117	117	
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	142	142	

Summary of Quantities

Code Order

ROUTE		SECTION	COUNTY	SHEET	
FAP	22	135RS-7	FULTON	TOTAL	NO.
IL	78			29	9
			CONTRACT NO.	68A32	

CONSTRUCTION TYPE CODE

IL 78 FULTON	0021
0005	SIGNALS
80FED/20ST	80% FEDERAL
	20% STATE
	DET LOOPS

CODE No.	ITEM	UNIT	Tot.QTY		
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	633	633	
67100100	MOBILIZATION	L SUM	1	1	
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4244	4244	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	541	541	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	6984	6984	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1172	1172	
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1552	1552	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	234	234	

Summary of Quantities

Code Order

ROUTE		SECTION	COUNTY	SHEET	
FAP	22	135RS-7	FULTON	TOTAL	NO.
IL	78			29	10
			CONTRACT NO.	68A32	

CONSTRUCTION TYPE CODE

IL 78 FULTON	0021
0005	SIGNALS
80FED/20ST	80% FEDERAL
	20% STATE
	DET LOOPS

CODE No.	ITEM	UNIT	Tot.QTY		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	198	198	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	352	352	
X 7200105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	5		5
X 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	139	139	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	139	139	
X 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	120.5		120.5
X 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1
X 88600100	DETECTOR LOOP, TYPE I	FOOT	2176		2176
X 89502105	REBUILD EXISTING SIGNAL HEAD, LED	EACH	2		2
X 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1		1

Summary of Quantities

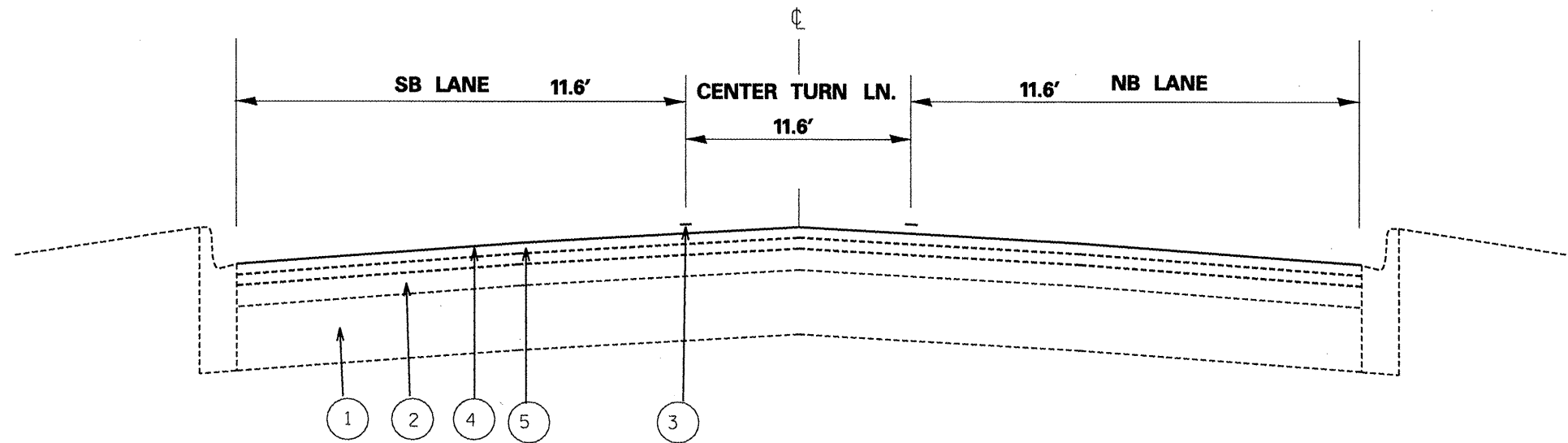
Code Order

ROUTE		SECTION	COUNTY	SHEET	
FAP	22	135RS-7	FULTON	TOTAL	NO.
IL	78			29	11
			CONTRACT NO.	68A32	

CONSTRUCTION TYPE CODE

IL 78 FULTON	0021
0005	SIGNALS
80FED/20ST	80% FEDERAL
	20% STATE
	DET LOOPS

CODE No.	ITEM	UNIT	Tot.QTY		
X X0326851	ADJUST EXISTING DETECTOR LOOP RISER	EACH	17		17
X X7800600	URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS, SPECIAL	SQ FT	541	541	
X X7800610	URETHANE PAVEMENT MARKING - LINE 4"	FOOT	6984	6984	
X X7800630	URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1172	1172	
X X7800640	URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1552	1552	
X X7800650	URETHANE PAVEMENT MARKING - LINE 12"	FOOT	234	234	
X X7800680	URETHANE PAVEMENT MARKING - LINE 24"	FOOT	198	198	
Z0034105	MATERIAL TRANSFER DEVICE	TON	1452	1452	



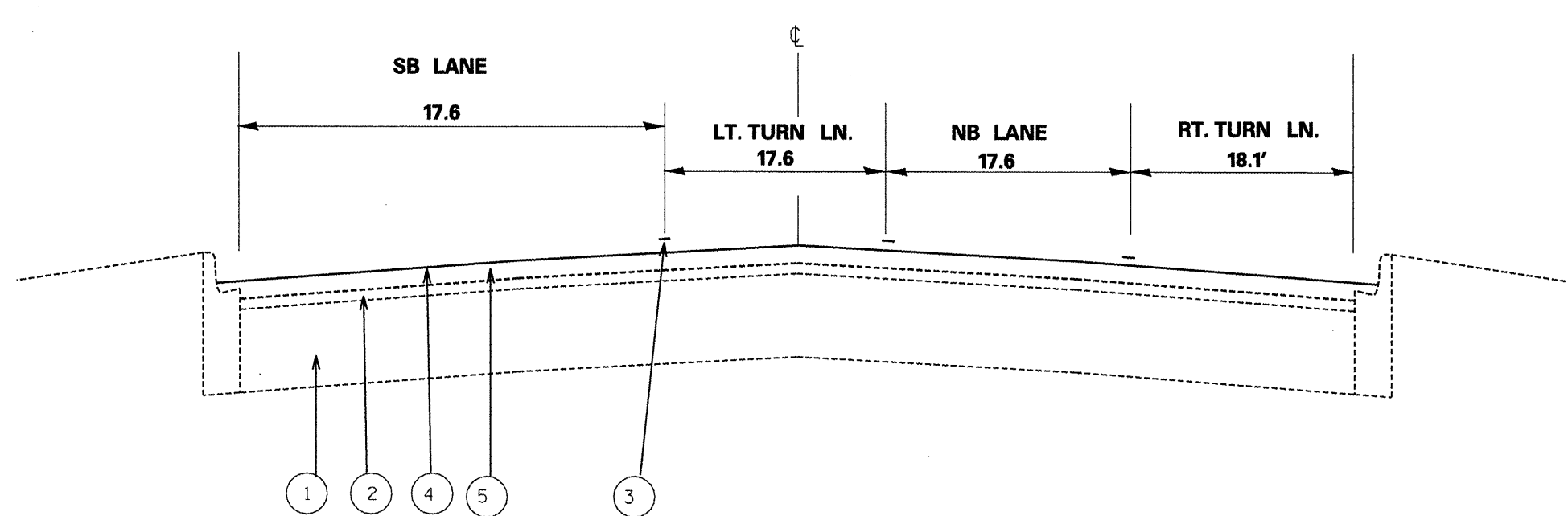
PROPOSED & EXISTING TYPICAL SECTION

IL78 (MAIN ST.)
 STA. 282+63 TO 291+66

LEGEND

- ① EXISTING 9" PCC PAVEMENT
- ② EXISTING BITUMINOUS OVERLAYS
- ③ PROP. URETHANE PAVEMENT MARKING
- ④ PROP. POLY. HOT - MIX ASPHALT SURFACE COURSE, MIX "E", N50 2"
- ⑤ PROP. HOT - MIX ASPHALT SURFACE REMOVAL, 2.0"

FILE NAME = 68978.dgn	USER NAME = appenzellerJJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1.0019' / IN.	DRAWN -	REVISED -					22	135RS-7	FULTON	24	12
PLOT DATE = 3/22/2011	CHECKED -	REVISED -	CONTRACT NO.68A32				ILLINOIS FED. AID PROJECT					
	DATE -	REVISED -	SCALE: _____		SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____						



PROPOSED & EXISTING TYPICAL SECTION

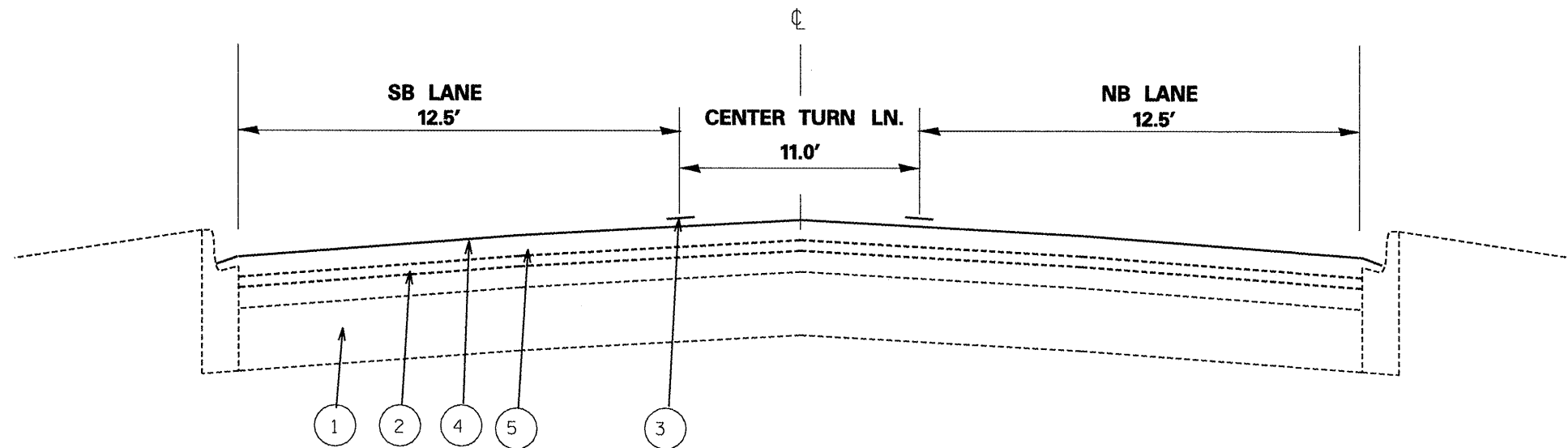
IL78 (MAIN ST.)

STA. 291+66 TO STA. 293+47

LEGEND

- ① EXISTING 9" PCC PAVEMENT
- ② EXISTING BITUMINOUS OVERLAYS
- ③ PROP. URETHANE PAVEMENT MARKING
- ④ PROP. POLY. HOT - MIX ASPHALT SURFACE COURSE, MIX "E", N50 2"
- ⑤ PROP. HOT - MIX ASPHALT SURFACE REMOVAL, 2.0"

FILE NAME = 68978.dgn	USER NAME = eppenzellerJJ	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTION	F.A.P. RTE. 22	SECTION 135RS-7	COUNTY FULTON	TOTAL SHEETS 29	SHEET NO. 13
	PLOT SCALE = 1.0014 "/ IN.	CHECKED - ---	REVISED - ---			SCALE: -----	SHEET NO. -- OF -- SHEETS	STA. ----- TO STA. -----	CONTRACT NO. 68A32	
	PLOT DATE = 3/22/2011	DATE - -----	REVISED - -----			ILLINOIS FED. AID PROJECT				



PROPOSED & EXISTING TYPICAL SECTION

IL 78 (MAIN ST.)
 STA. 293+47 TO STA. 312+27

LEGEND

- ① EXISTING 9" PCC PAVEMENT
- ② EXISTING BITUMINOUS OVERLAYS
- ③ PROP. URETHANE PAVEMENT MARKING
- ④ PROP. POLY. HOT - MIX ASPHALT SURFACE COURSE, MIX "E", N50 2"
- ⑤ PROP. HOT - MIX ASPHALT SURFACE REMOVAL, 2.0"

FILE NAME = 68978.dgn	USER NAME = appenzeller.jj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1/800" = 1" / 800'	DRAWN -	REVISED -			22	135RS-7	FULTON	29	14
	PLOT DATE = 3/22/2011	CHECKED -	REVISED -	SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 68A32 ILLINOIS FED. AID PROJECT				

URETHANE PAVEMENT MARKING

LOCATION	WHITE LINE 4"	WHITE LINE 6"	WHITE LINE 8"	WHITE LINE 12"	WHITE LINE 24"	YELLOW LINE 4"	YELLOW LINE 12"	YELLOW SKIP DASH 4"	LETTERS AND SYMBOLS	RPMS ONE WAY	RPMS TWO WAY	RPMS REMOVAL
IL 78 MAIN STREET												
STA 282+63 TO 290+80			200 FT		24 FT	2047 FT	52 FT	160 FT	156 FT	7 FT	33 FT	40 FT
STA 291+66 TO 298+82		142 FT	362 FT		54 FT	1847 FT	78 FT	140 FT	124.8 FT	15 FT	23 FT	38 FT
STA 299+37 TO 302+46		80 FT	200 FT		24 FT	824 FT	52 FT	80 FT	62.4 FT	7 FT	9 FT	16 FT
STA 303+13 TO 305+85		80 FT	380 FT		24 FT	544 FT			62.4 FT	6 FT	9 FT	15 FT
STA 306+43 TO 311+52		80 FT	200 FT		24 FT	1224 FT	52 FT		62.4 FT	8 FT	16 FT	24 FT
STA 312+27 TO 312+57		80 FT	180 FT		24 FT	60 FT			31.2 FT	3 FT	3 FT	6 FT
East Sycamore		158 FT	30 FT		24 FT	60 FT			41.6 FT			
West Sycamore		172 FT										
East Birch		58 FT										
West Myrtle		56 FT										
East Vine		68 FT										
West Vine		58 FT										
West Olive		86 FT										
West Ash		54 FT										
TOTAL		1172 FT	1552 FT		198 FT	6604 FT	234 FT	380 FT	540.8 FT	46 FT	93 FT	139 FT

USER NAME = eppenzeller.jj	DESIGNED - ---	REVISED - ---
	DRAWN - ---	REVISED - ---
PLOT SCALE = 1.0019" / IN.	CHECKED - ---	REVISED - ---
PLOT DATE = 3/22/2011	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.
22	135RS-7	FULTON	29	15
ILLINOIS FED. AID PROJECT			CONTRACT NO.68A32	

TEMPORARY PAVEMENT MARKING

LOCATION	WHITE LINE 4"	WHITE LINE 6"	WHITE LINE 8"	WHITE LINE 12"	WHITE LINE 24"	YELLOW LINE 4"	YELLOW LINE 12"	YELLOW 4" SKIP DASH	LETTERS AND SYMBOLS
IL 78 MAIN STREET									
STA 282+63 TO 290+80			200 FT		24 FT	2047 FT	52 FT	160 FT	156 FT
STA 291+66 TO 298+82		142 FT	362 FT		54 FT	1845 FT	78 FT	140 FT	124.8 FT
STA 299+37 TO 302+46		80 FT	200 FT		24 FT	824 FT	52 FT	80 FT	62.4 FT
STA 303+13 TO 305+85		80 FT	380 FT		24 FT	544 FT			62.4 FT
STA 306+43 TO 311+52		80 FT	200 FT		24 FT	1224 FT	52 FT		62.4 FT
STA 312+27 TO 312+57		80 FT	180 FT		24 FT	60 FT			31.2 FT
East Sycamore		158 FT	30 FT		24 FT	60 FT			41.6 FT
West Sycamore		172 FT							
East Birch		58 FT							
West Myrtle		56 FT							
East Vine		68 FT							
West Vine		58 FT							
West Olive		86 FT							
West Ash		54 FT							
TOTAL		1172 FT	1552 FT		198 FT	6604 FT	234 FT	380 FT	540 FT

USER NAME = oppenzeller,jj	DESIGNED - ---	REVISED - -----
PLOT SCALE = 0.9989' / IN.	DRAWN - ---	REVISED - -----
PLOT DATE = 3/22/2011	CHECKED - ---	REVISED - -----
	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.
22	135RS-7	FULTON	29	16
CONTRACT NO. 68A32				
ILLINOIS FED. AID PROJECT				

SHORT TERM PAVEMENT MARKING

LOCATION	DESCRIPTION	4" YELLOW SKIP DASH	WHITE LINE 4"
IL 78 MAIN STREET			
STA 282+63 TO 290+80	4 APPLICATIONS	1307.2 FT	
STA 291+66 TO 298+82	4 APPLICATIONS	1145.6 FT	
STA 299+37 TO 302+46	4 APPLICATIONS	494.4 FT	
STA 303+13 TO 305+85	4 APPLICATIONS	435.2 FT	
STA 306+43 TO 311+52	4 APPLICATIONS	814.4 FT	
STA 312+27 TO 312+57	4 APPLICATIONS	48.0 FT	
TOTAL		4244.8 FT	

WORK ZONE PAVEMENT MARKING REMOVAL

LOCATION	
IL 78 MAIN STREET	352.2 SQ FT
TOTAL	352.2 SQ FT

USER NAME = appenzeller.jj	DESIGNED - ---	REVISED - ---
DRAWN - ---	CHECKED - ---	REVISED - ---
PLOT SCALE = 1/8" = 1' / IN.	DATE - ---	REVISED - ---
PLOT DATE = 3/22/2011		

**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.
22	135RS-7	FULTON	29	17
CONTRACT NO. 68A32				
ILLINOIS FED. AID PROJECT				

CONSTRUCTING TEST STRIP

LOCATION	
JOBSITE	1 EACH
TOTAL	1 EACH

MOBILIZATION

LOCATION	
JOBSITE	1 LSUM
TOTAL	1 LSUM

USER NAME = appenzeller_jj	DESIGNED - ---	REVISED - -----
DRAWN - ---	CHECKED - ---	REVISED - -----
PLOT SCALE = 1.0019 ' / IN.	DATE - -----	REVISED - -----
PLOT DATE = 3/22/2011		

**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.
22	135RS-7	FULTON	29	18
CONTRACT NO. 68A32				
ILLINOIS FED. AID PROJECT				

TABULATION OF RESURFACING QUANTITIES

LOCATION	TOTAL ROADWAY WIDTH	LENGTH	AREA	BITUMINOUS SURFACE REMOVAL BUTT JOINT	TEMPORARY RAMP	BITUMINOUS SURFACE REMOVAL 2"	POLY BIT MATERIALS PRIME COAT	AGGREGATE MATERIALS PRIME COAT	INCIDENTAL SURF CSE MIX C N50	POLY HMA SURF CSE MIX E N50	MATERIAL TRANSFER DEVICE
	FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	TON	TON
STA. 282 + 63 TO 282 + 93	36.00	30.00	120.00	120.00	20.00		0.04	0.24		13.44	13.44
STA. 282 + 93 TO 290 + 00	36.00	707.00	2828.00			2828.00	1.00	5.65		316.76	316.76
STA. 290 + 00 TO 290 + 80	36.50	80.00	324.44			324.44	0.11	0.64		36.33	36.33
Intersection of Main & Sycamore *			726.52			726.52	0.24	1.45		81.37	81.37
STA. 291 + 66 TO 293 + 47	71.10	181.00	1429.90			1429.90	0.48	2.86		160.14	160.14
STA. 293 + 47 TO 312 + 27	35.50	1880.00	7415.55			7415.55	2.52	14.83		830.54	830.54
STA. 312 + 27 TO 312 + 57	36.00	30.00	120.00	120.00	20.00		0.04	0.24		13.44	13.44
East Sycamore Street	60.00	30.00	200.00	200.00	22.77		0.06	0.40	22.40		
West Sycamore Street	62.00	20.00	137.77	137.77	21.11		0.04	0.27	15.43		
West Birch Street	45.00	23.00	115.00	115.00	15.55		0.04	0.23	12.88		
East Birch Street	46.50	23.00	118.83	118.83	16.11		0.04	0.23	13.30		
West Myrtle Street	41.50	23.00	106.05	106.05	15.55		0.03	0.21	11.87		
East Vine Street	49.00	18.00	98.00	98.00	18.88		0.03	0.20	11.00		
West Vine Street	48.00	16.00	85.33	85.33	16.11		0.03	0.17	9.55		
East Olive Street	43.00	16.00	76.44	76.44	16.66		0.02	0.15	8.56		
West Olive Street	43.00	23.00	109.88	109.88	15.55		0.03	0.22	12.30		
West Ash Street	43.50	26.00	125.66	125.66	15.00		0.04	0.25	14.07		
GRAND-TOTAL				1,413	213	12,724	4.8	28.2	131	1,452	1,452

USER NAME = appenzeller.jj	DESIGNED - ---	REVISED - -----
PLOT SCALE = 1/8" = 1' IN.	DRAWN - ---	REVISED - -----
PLOT DATE = 3/22/2011	CHECKED - ---	REVISED - -----
	DATE - -----	REVISED - -----

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.P. RTE. 22	SECTION 135RS-7	COUNTY FULTON	TOTAL SHEETS 29	SHEET NO. 19
CONTRACT NO. 68978				
ILLINOIS FED. AID PROJECT				

CLASS D PATCHING 14"

LOCATION	TY II	TY III	TY IV
UNIT 1 START TO MYRTLE	93 SQYD	105 SQYD	
UNIT 2 MYRTLE TO END	24 SQYD	37 SQYD	633 SQYD*
TOTAL	117 SQYD	142 SQYD	633 SQYD*

*** 1/2 LANE WIDTH USED IN CALCULATION**

USER NAME = eppenweiler,jj	DESIGNED - ---	REVISED - ---
DRAWN - ---	REVISED - ---	REVISED - ---
PLOT SCALE = 1.0019" / IN.	CHECKED - ---	REVISED - ---
PLOT DATE = 3/22/2011	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.
22	135RS-7	FULTON	29	20
CONTRACT NO.68978				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL AND PROTECTION STANDARD 701701

LOCATION	
JOBSITE	1 LSUM
TOTAL	1 LSUM

TRAFFIC CONTROL AND PROTECTION STANDARD 701502

LOCATION	
JOBSITE	1 LSUM
TOTAL	1 LSUM

USER NAME = appenzeller,jj	DESIGNED - ---	REVISED - ---
DRAWN - ---	CHECKED - ---	REVISED - ---
PLOT SCALE = 1/8" = 1' / IN.	DATE - ---	REVISED - ---
PLOT DATE = 3/22/2011		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

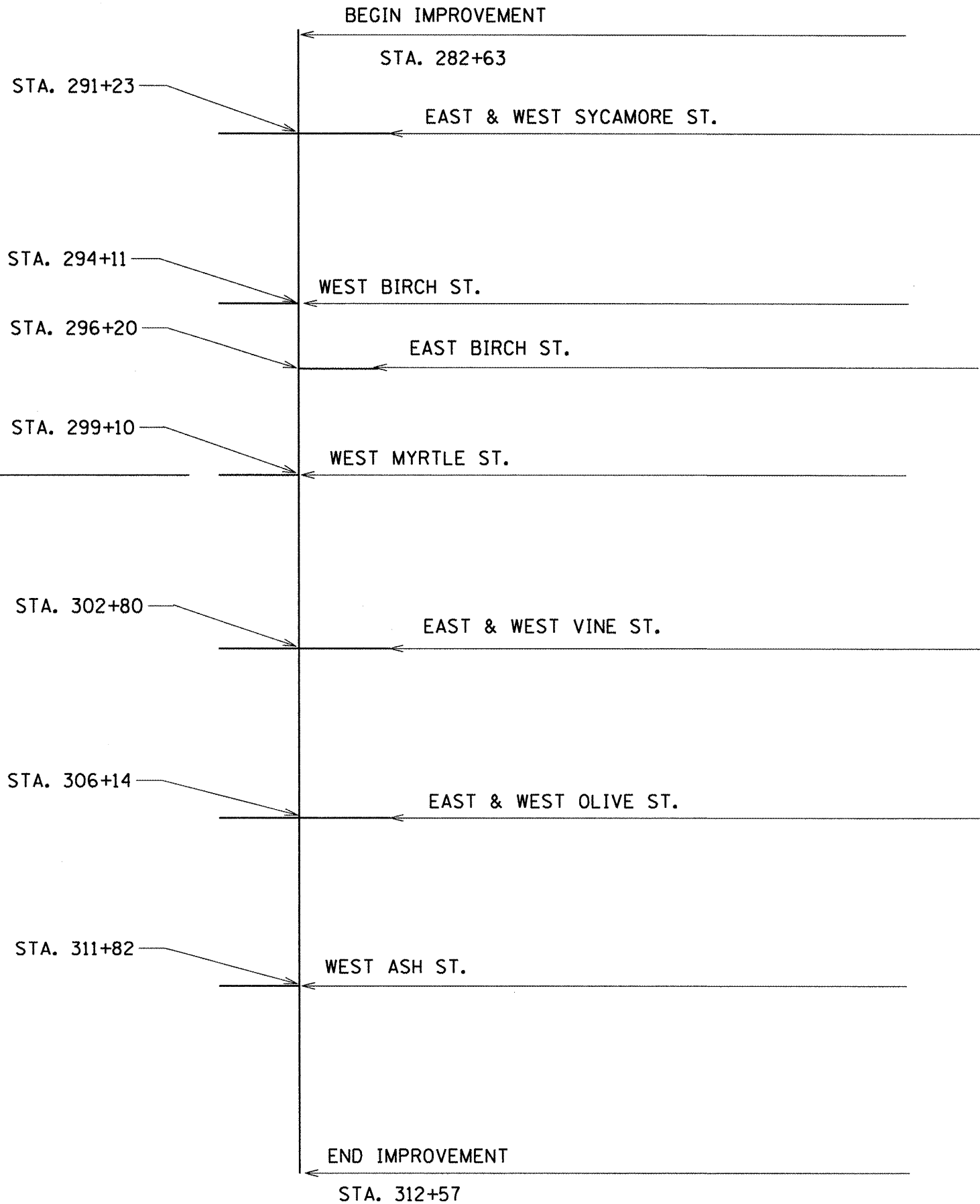
SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	135RS-7	FULTON	29	21
CONTRACT NO.68978				
ILLINOIS FED. AID PROJECT				



PATCHING SURVEY UNIT 1

PATCHING SURVEY UNIT 2



FILE NAME = 68978.dgn	USER NAME = oppenzeller,jj	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LINE DIAGRAM	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:8014 ' / IN.	CHECKED - ---	REVISED - ---			22	135RS-7	FULTON	29	22
	PLOT DATE = 3/22/2011	DATE - ---	REVISED - ---			CONTRACT NO.68A32			ILLINOIS FED. AID PROJECT	
SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____										

DETECTOR LOOP INSTALLATION - CONSTRUCTION NOTES	
1.	DETECTOR LOOP REPLACEMENT QUANTITIES ARE ESTIMATED. THE CONTRACTOR SHALL ONLY REPLACE THE DETECTOR LOOPS THAT ARE DAMAGED BY THE MILLING PROCESS.
2.	A TYPE II SPLICE SHALL BE USED FOR ALL DETECTOR LEAD-INS.
3.	ALL DETECTOR LOOPS SHALL BE PLACED BACK INTO THEIR ORIGINAL LOCATIONS. ALL DETECTOR LOOPS SHALL BE INSTALLED IN THE CENTER OF THEIR RESPECTIVE TRAVEL LANES.
4.	THE PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE MILLED SURFACE OR LEVELING BINDER COURSE BEFORE THE FINAL OVERLAY.
5.	THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC, RANDY LANINGA, AT (309) 671-4477 FORTY-EIGHT HOURS PRIOR TO BEGINNING MILLING OR PATCHING OPERATIONS.
6.	THESE ITEMS SHALL BE INCLUDED IN THE BID PRICE FOR DETECTOR LOOP, TYPE I PAY ITEM. THERE WILL BE NO ADDITIONAL COMPENSATION.

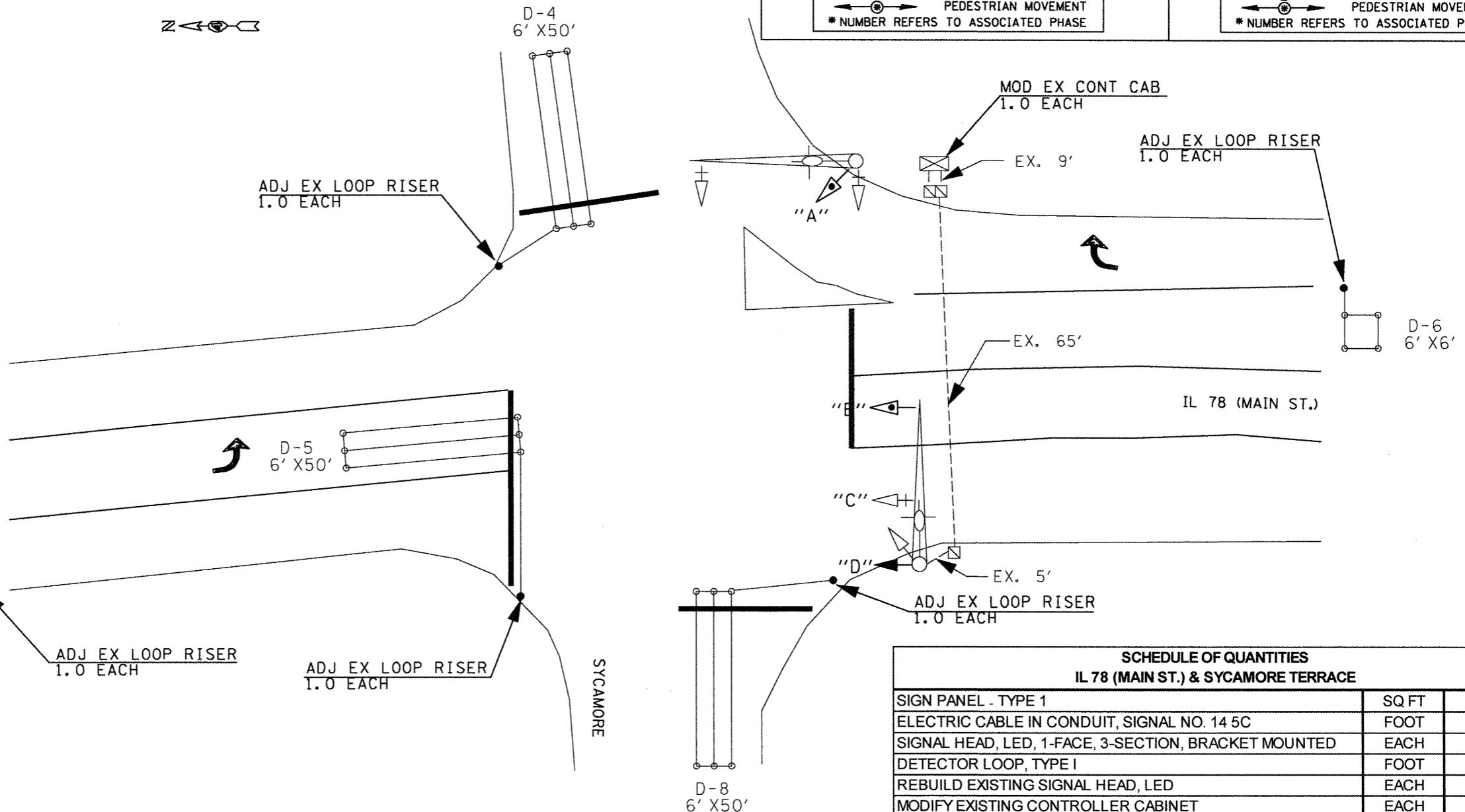
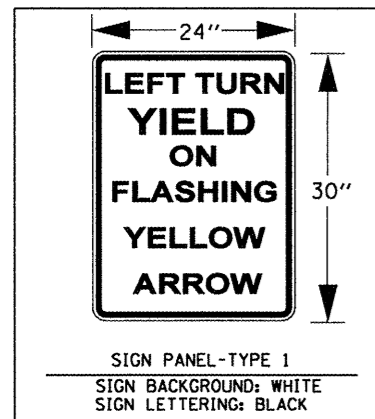
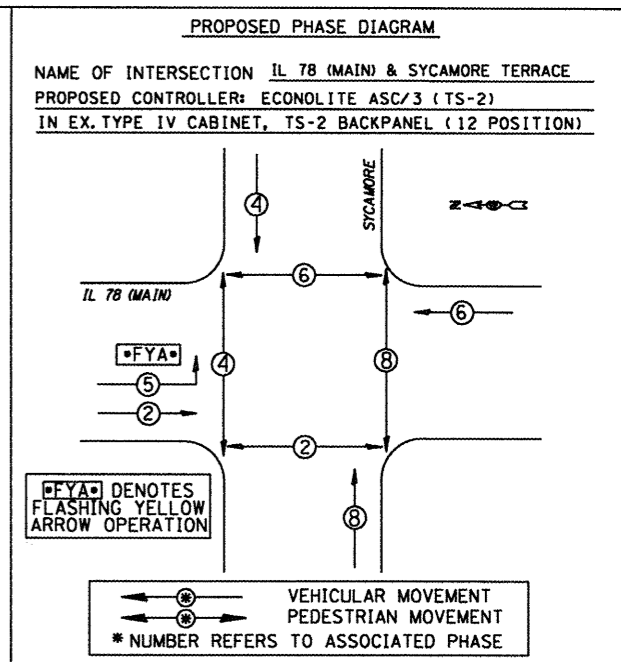
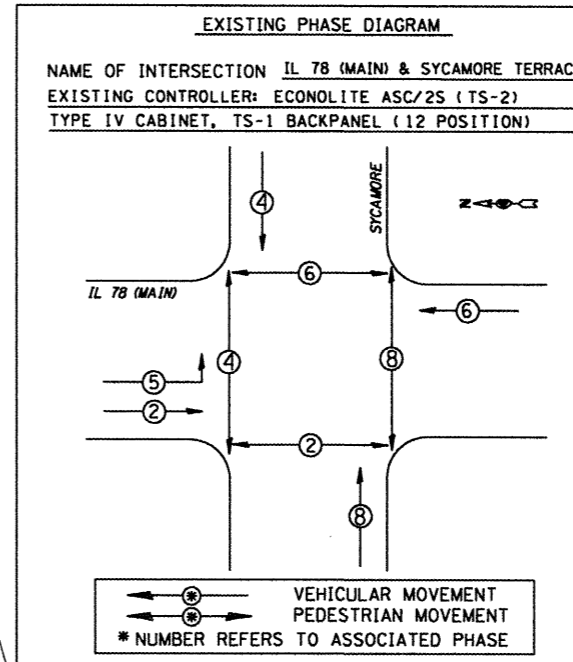
CONSTRUCTION NOTES	
1.	ANY MAINTENANCE OF EXISTING TRAFFIC SIGNALS WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
2.	THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
3.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
4.	ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
5.	ALL LOOP RISERS AFFECTED BY THE MILLING OPERATIONS SHALL BE REFLECTED THROUGH THE NEW SURFACE AND ALL LOOP RISERS SHALL BE CHIPPED OUT AND FILLED WITH EPOXY. THIS WORK WILL BE PAID FOR UNDER THE PAY ITEM FOR "ADJUST EXISTING DETECTOR LOOP RISER".
6.	ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
7.	ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE ALUMINUM WITH A NATURAL FINISH.
8.	THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.
9.	ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
10.	ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
11.	THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
12.	THE CONTRACTOR WILL BE ALLOWED TO PLACE THE INTERSECTION INTO ALL-RED FLASH MODE AND ALL-WAY STOP CONTROL ONLY DURING THE HOURS SPECIFIED ABOVE TO FACILITATE THE INSTALLATION OF THE PROPOSED TRAFFIC SIGNAL COMPONENTS AND TO MODIFY THE EXISTING CONTROLLER CABINET. THE COST OF THE STOP SIGNS SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR MODIFY EXISTING TRAFFIC SIGNAL CABINET. THERE WILL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.
13.	THE CONTRACTOR SHALL FURNISH AND INSTALL A MINIMUM OF TWO STOP SIGNS PER APPROACH WHEN THE INTERSECTION IS OPERATING IN ALL-RED FLASH MODE OR ALL-WAY STOP CONTROL.
14.	REMOVAL OF EXISTING TRAFFIC SIGNAL ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES FOR THE PROPOSED ITEMS.

TRAFFIC SIGNAL SCHEDULE OF QUANTITIES					
ITEM DESCRIPTION	UNIT	TOTAL	IL 78 (MAIN) & ASH	IL 78 (MAIN) & VINE	IL 78 (MAIN) & SYCAMORE
SIGN PANEL - TYPE 1	SQ FT	5.0			5.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	120.5			120.5
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1.0			1.0
DETECTOR LOOP, TYPE I	FOOT	2176.0	780.0	780.0	616.0
REBUILD EXISTING SIGNAL HEAD, LED	EACH	2.0			2.0
MODIFY EXISTING CONTROLLER CABINET	EACH	1.0			1.0
ADJUST EXISTING DETECTOR LOOP RISER	EACH	17.0	6.0	6.0	5.0

SIGNAL HEAD "A" (BM)		SIGNAL HEAD "B" (MAM)	
EX.	PROP.	EX.	PROP.
(7)	(7)	(7)	(7)
R	R	R	R
Y	Y	Y	Y
G	G	G	G
Y	Y	Y	Y
G	G	G	G

INSTALL NEW 5/C CABLE FOR SIGNAL HEAD "C"
INSTALL PROP. SIGNAL HEAD "D"

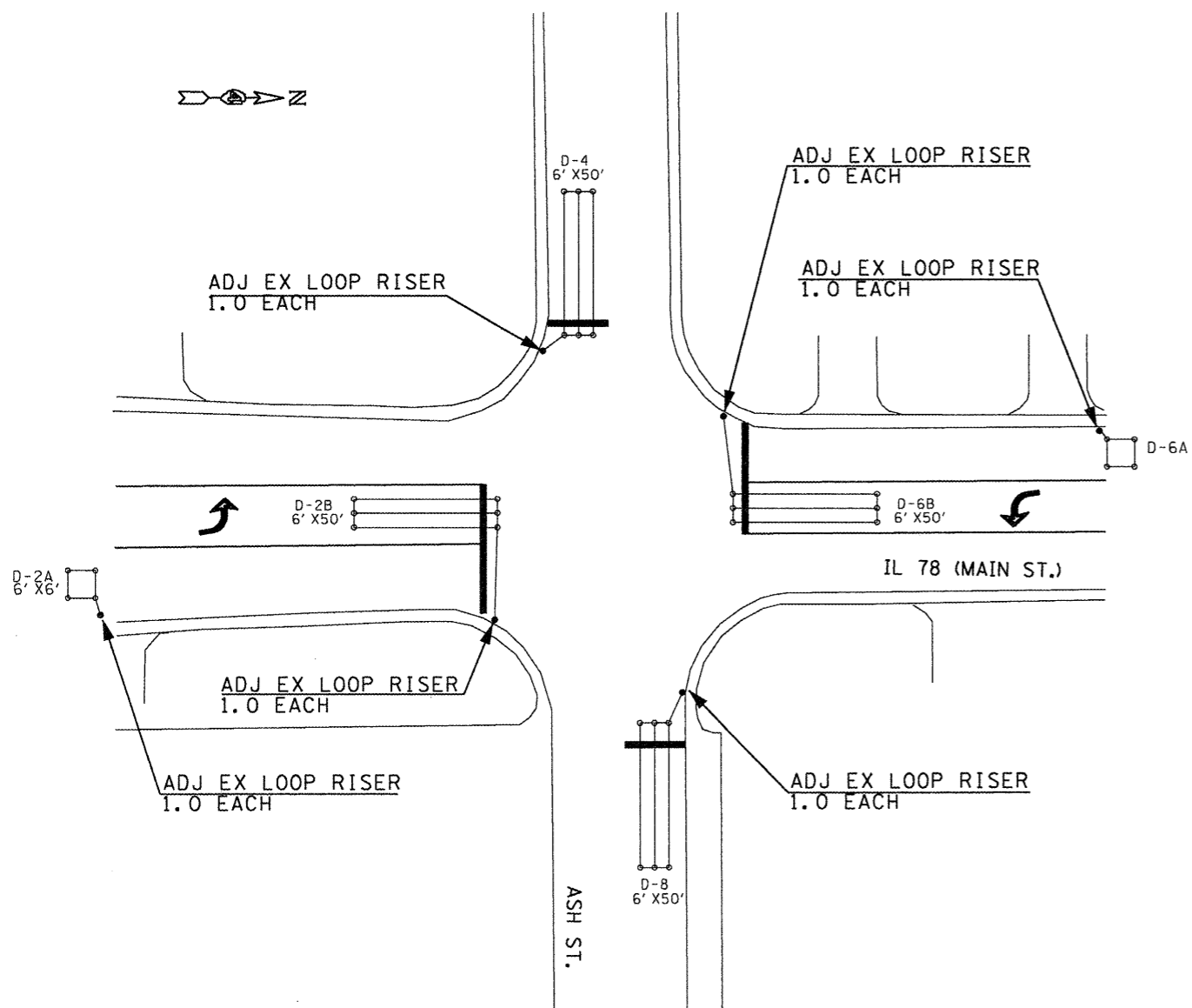
DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE IL 78 (MAIN ST.) & SYCAMORE TERRACE				
DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.	ASSIGNED PHASE
D-2	6' X 6' (EX.)	24	8	2
D-4	6' X 50' QUAD (EX.)	162	18	4
D-5	6' X 50' QUAD (EX.)	162	30	5
D-6	6' X 6' (EX.)	24	8	6
D-8	6' X 50' QUAD (EX.)	162	18	8
TOTAL:		534	82	



TRAFFIC SIGNAL LEGEND

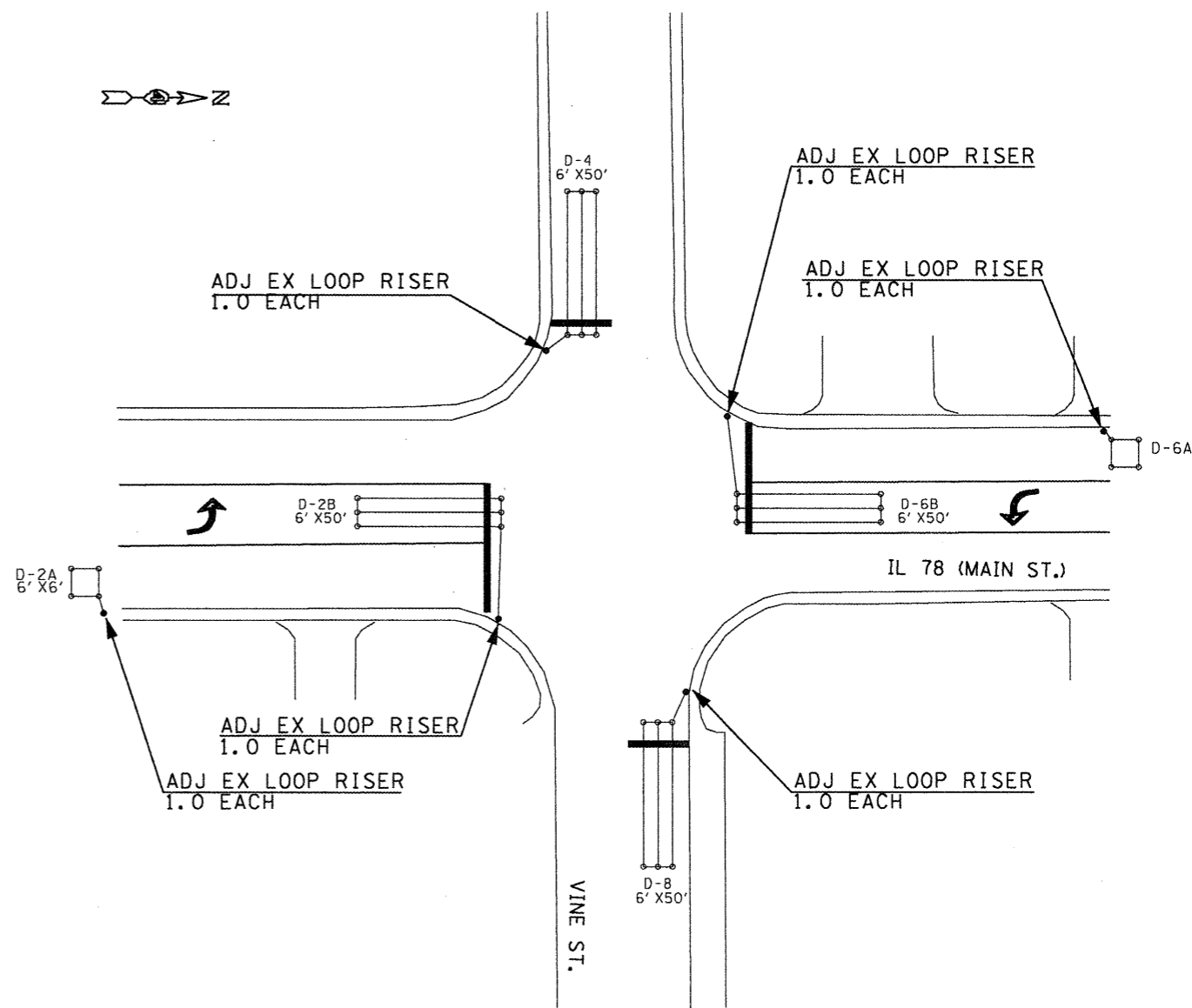
- EX. DETECTOR LOOP (6'X6')
- ▤ EX. DETECTOR LOOP (QUAD)
- EX. HANDHOLE
- - - EX. CONDUIT
- ⊠ EX. TRAFFIC SIGNAL CONTROLLER
- ▽ EX. TRAFFIC SIGNAL HEAD
- ▽ (with circle) PROP. SIGNAL HEAD (REBUILT)
- ▽ (with triangle) PROP. SIGNAL HEAD

SCHEDULE OF QUANTITIES IL 78 (MAIN ST.) & SYCAMORE TERRACE		
SIGN PANEL - TYPE 1	SQ FT	5.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	120.5
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1.0
DETECTOR LOOP, TYPE I	FOOT	616.0
REBUILD EXISTING SIGNAL HEAD, LED	EACH	2.0
MODIFY EXISTING CONTROLLER CABINET	EACH	1.0
ADJUST EXISTING DETECTOR LOOP RISER	EACH	5.0



DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE
IL 78 (MAIN ST.) & ASH ST.

DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.	ASSIGNED PHASE
D-2A	6' X 6' (EX.)	24	8	2
D-2B	6' X 50' QUAD (EX.)	162	22	2
D-4	6' X 50' QUAD (EX.)	162	12	4
D-6A	6' X 6' (EX.)	24	8	6
D-6B	6' X 50' QUAD (EX.)	162	22	6
D-8	6' X 50' QUAD (EX.)	162	12	8
TOTAL:		696	84	



DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE
IL 78 (MAIN ST.) & VINE ST.

DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.	ASSIGNED PHASE
D-2A	6' X 6' (EX.)	24	8	2
D-2B	6' X 50' QUAD (EX.)	162	22	2
D-4	6' X 50' QUAD (EX.)	162	12	4
D-6A	6' X 6' (EX.)	24	8	6
D-6B	6' X 50' QUAD (EX.)	162	22	6
D-8	6' X 50' QUAD (EX.)	162	12	8
TOTAL:		696	84	

SCHEDULE OF QUANTITIES
IL 78 (MAIN ST.) @ ASH ST. AND VINE ST.

DETECTOR LOOP, TYPE I	FOOT	780.0
ADJUST EXISTING DETECTOR LOOP RISER	EACH	12.0

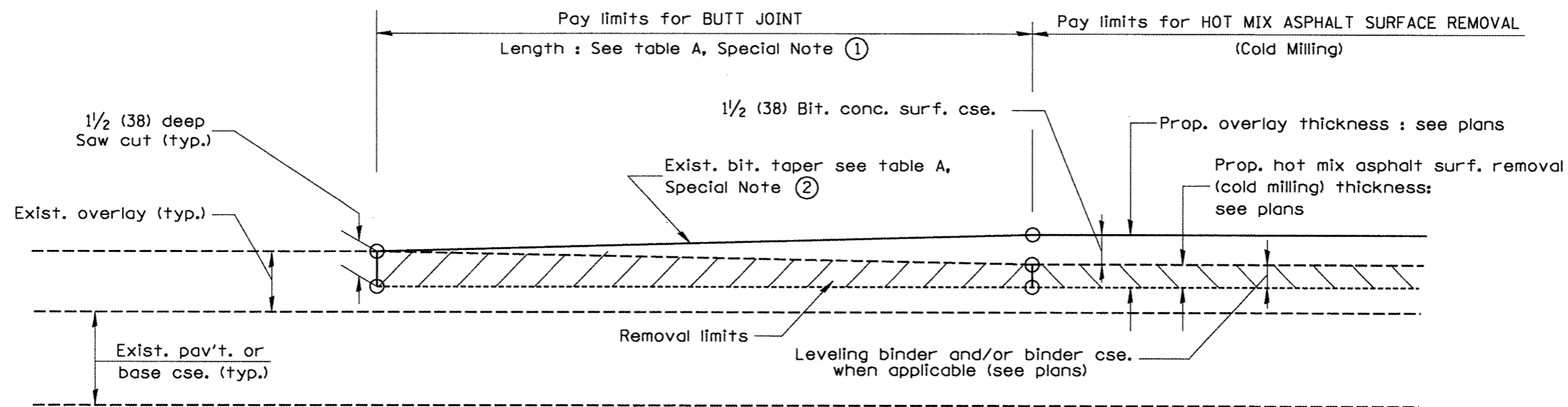
FILE NAME =	USER NAME = appenzellerJJ	DESIGNED -	REVISD -
68A32 - IL 78 Canton Traffic Signal Design.dgn		DRAWN -	REVISD -
	PLOT SCALE = 100.0/700' / IN.	CHECKED -	REVISD -
	PLOT DATE = 3/21/2011	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

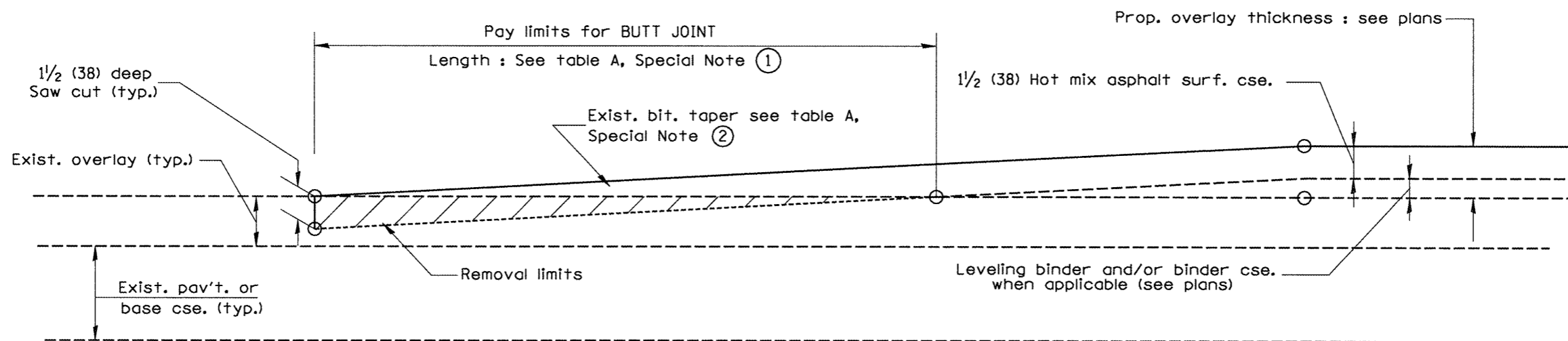
TRAFFIC SIGNAL DETECTOR LOOPS
IL 78 (MAIN) @ ASH ST. AND VINE ST.

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

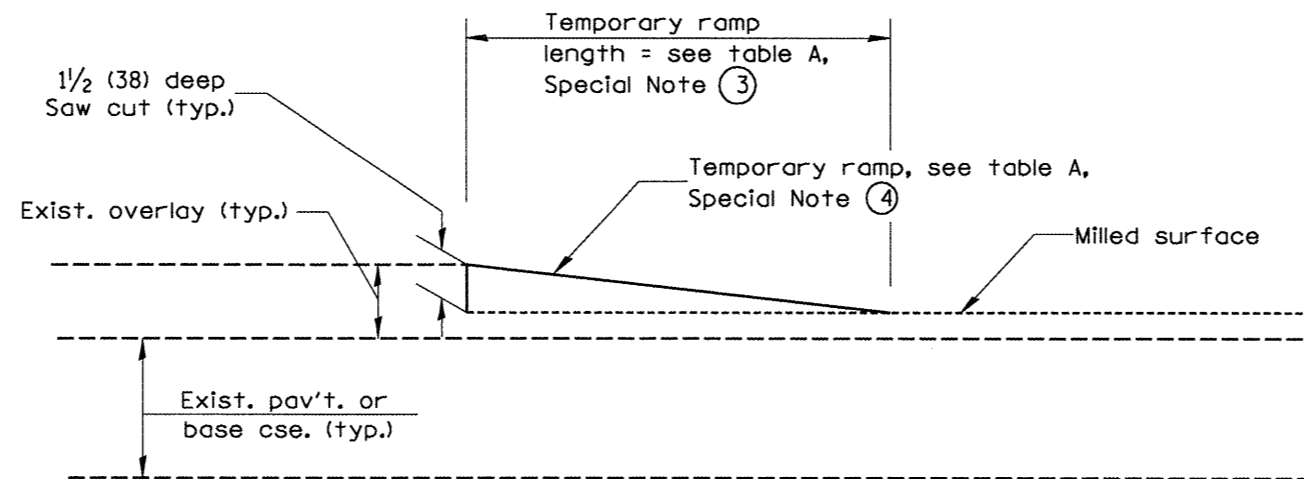
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	135RS-7	FULTON	29	25
CONTRACT NO. 68A32				
ILLINOIS FED. AID PROJECT				



**CASE 3 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**



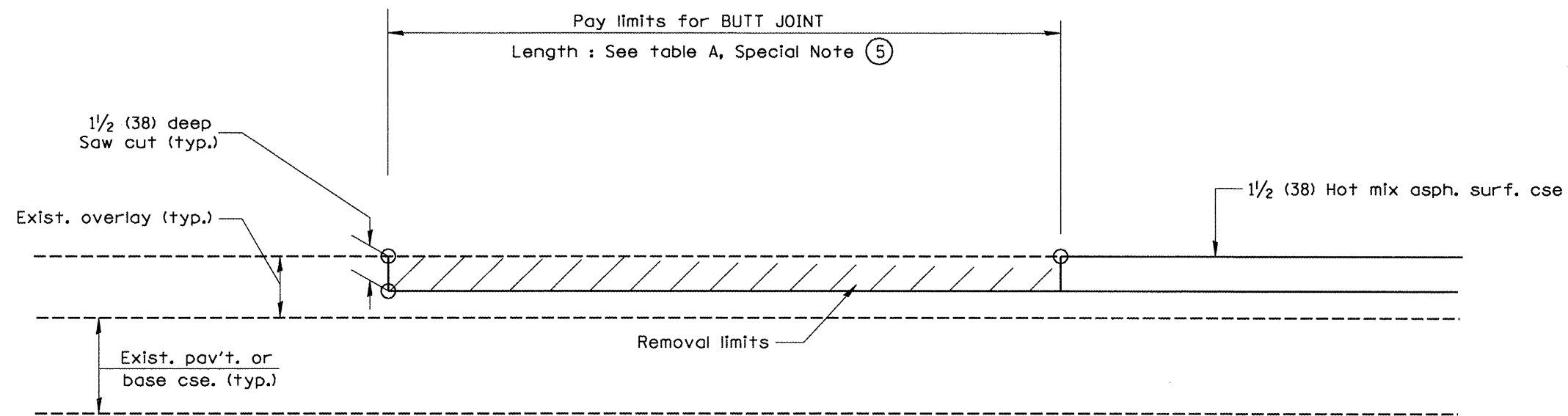
**CASE 4 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**



DETAIL TEMPORARY RAMP

All dimensions are in inches (millimeters) unless otherwise noted.

				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		BUTT JOINTS		F.A.P. RTE. 22 SECTION 135RS-7 COUNTY FULTON TOTAL SHEETS 29 SHEET NO. 27 CONTRACT NO. 68A32 FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT	
				NOT TO SCALE		SHI_2_OF_3 CADD_SIO_406101-04			



**CASE 5 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**

All dimensions are in inches (millimeters) unless otherwise noted.

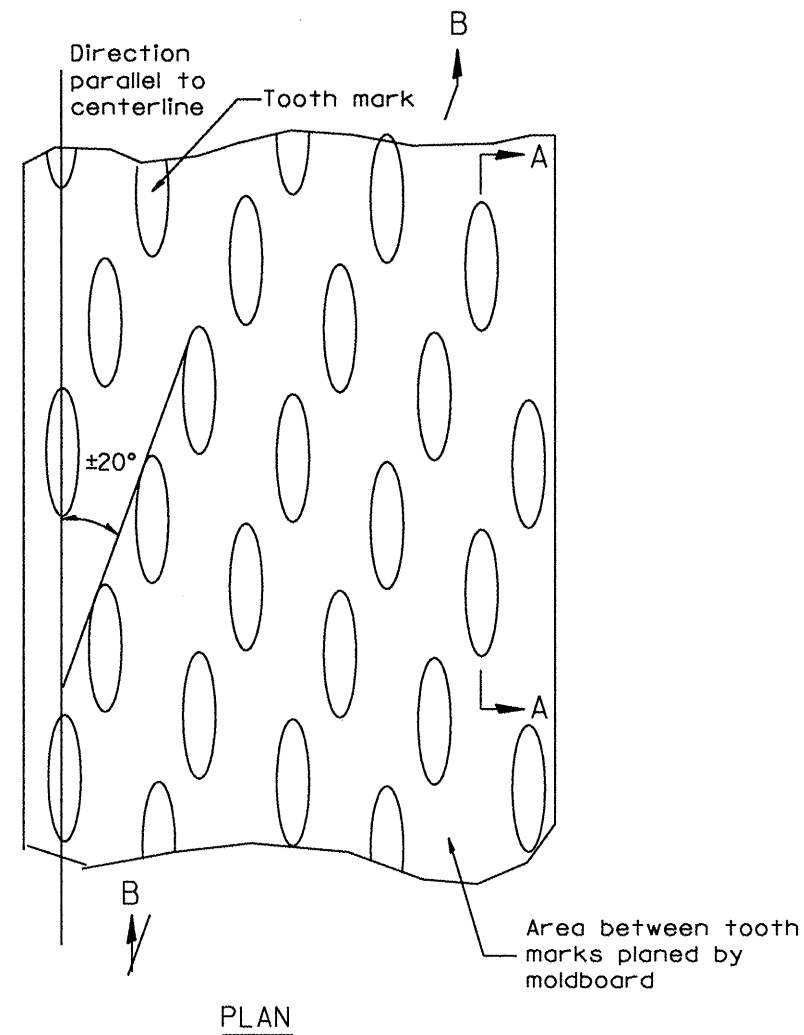
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINTS
NOT TO SCALE

SHI_3_QE_3
---CA00_SIO_406101-04

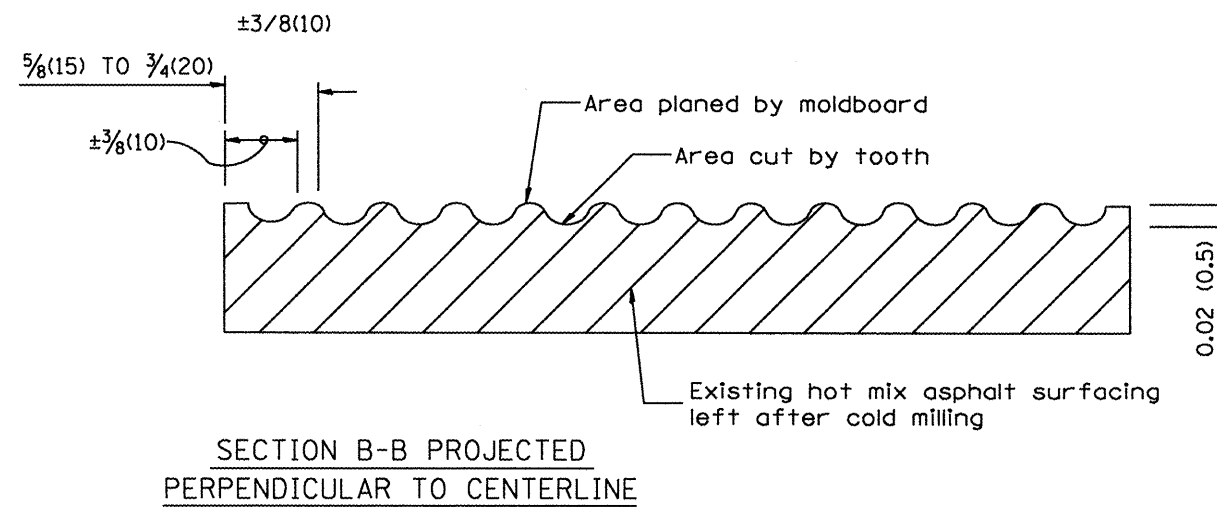
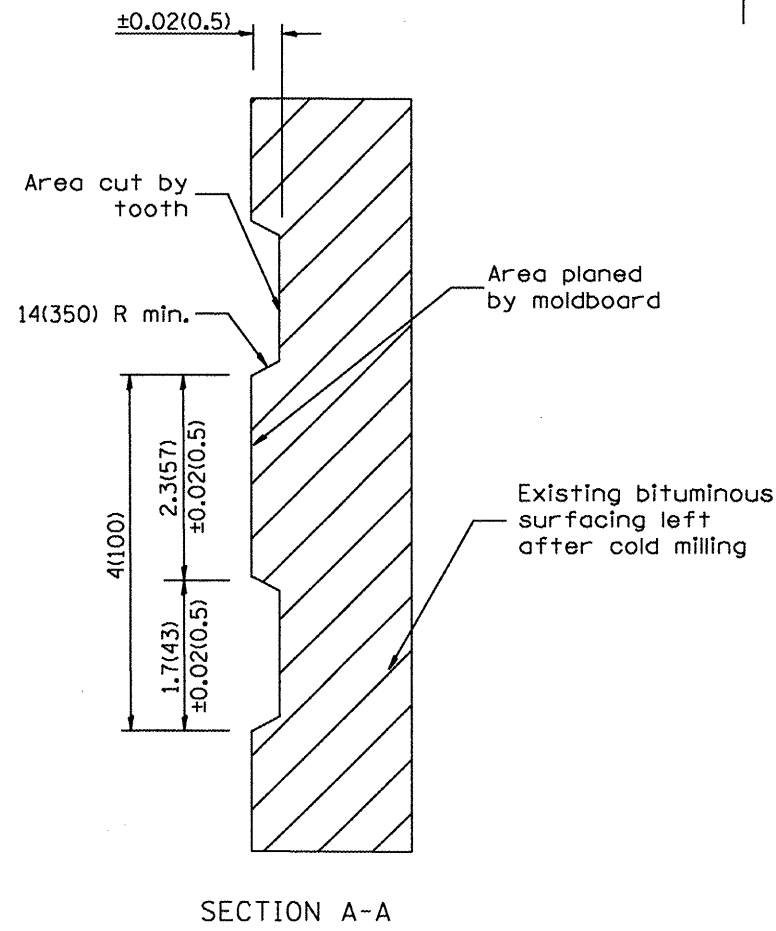
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	135RS-7	FULTON	29	28
CONTRACT NO. 68A32				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

DESIGNER NOTES:
1. INCLUDE DISTRICT SPECIAL PROVISION, IF APPLICABLE.



General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	BENUM. C-104.01. NEW REVISION BOX	I.P.	
04-20-98	REMOVED MILLING DETAIL FROM STANDARD	J.A.	
09-08-98	CORRECT NOTE LEADER PLACEMENT	R.W.	
10-16-06	REVISED TO 2007 SPEC.	M.A.	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

NOT TO SCALE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	135RS-7	FULTON	29	29
CONTRACT NO. 68A32				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

CA90.S10.440001-09