

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 322 (U.S. 51)  
SECTION (7, 8)RS-2  
HMA OVERLAY  
WASHINGTON COUNTY

C-98-052-11  
PROJECT ACF-0322(097)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	LT, 8) RS-2	WASHINGTON	15	1
		ILLINOIS	CONTRACT NO. 76E91	

\*15+2=17

**INDEX OF SHEETS**

- 1. COVER SHEET
- 2. GENERAL NOTES
- 3.-3B SUMMARY OF QUANTITIES
- 4-5. TYPICAL SECTIONS
- 6-8. SCHEDULE OF QUANTITIES
- 9. PLAN SHEET
- 10-13. DETAILS
- 14-15. SURVEY MONUMENTS

**HIGHWAY STANDARDS**

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 406201-01 MAILBOX TURNOUT
- 442201-03 CLASS C & D PATCHES
- 482011-03 HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
- 601001-04 SUB-SURFACE DRAINS
- 601101-01 CONCRETE HEADWALL FOR PIPE DRAIN
- 606001-05 CONCRETE CURB TYPE B & COMBINATION CURB & CUTTER
- 606301-04 PC CONCRETE ISLANDS AND MEDIANS
- 667101-02 PERMANENT SURVEY MARKERS
- 701001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
- 701006-04 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAV. EDGE
- 701011-03 OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701206-03 LANE CLOSURE, 2L, 2W, NIGHT 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 MOVING OPERATIONS, DAY ONLY
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
- 701336-06 LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
- 701901-02 TRAFFIC CONTROL DEVICES
- 704001-07 TEMPORARY CONCRETE BARRIER
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-03 SIGN PANEL ERECTION DETAILS
- 780001-03 TYPICAL PAVEMENT MARKINGS
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 782001 PRISMATIC CURB REFLECTORS



FUNCTIONAL CLASSIFICATION:	MINOR ARTERIAL
2009 ADT:	1800
2009 ADTT:	195
MU%	7.1%
SU%	4.3%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

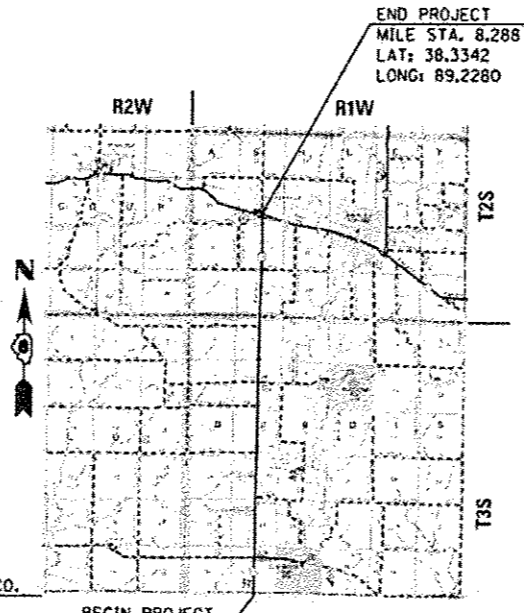
SUBMITTED December 13 20 12

John D. Baranzolli P.E. /s/  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

April 26 20 13  
John D. Baranzolli P.E. /s/  
ENGINEER OF DESIGN AND ENVIRONMENT

April 26 20 13  
Omer Osman, P.E. /s/  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**



LOCATION MAP  
1" = 2 MILES

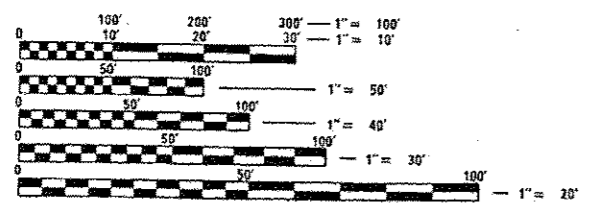
GROSS LENGTH = 43,761 FT. = 8.288 MILES  
NET LENGTH = 43,761 FT. = 8.288 MILES

JASON L. FRERICKS  
062-059118  
LICENSED PROFESSIONAL ENGINEER  
DATE 3/2/12

JASON L. FRERICKS, P.E.  
LICENSED PROFESSIONAL ENGINEER  
ILLINOIS NO. 59118 EXPIRES 11-30-13

MICHAEL J. BRYANT  
44543  
LICENSED PROFESSIONAL ENGINEER  
DATE 3/2/12

MICHAEL BRYANT, P.E.  
LICENSED PROFESSIONAL ENGINEER  
ILLINOIS NO. 44543 EXPIRES 11-30-13



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:  
TIM PADGETT, (618) 346-3325

PROJECT MANAGER:  
AARON KARLAS (618) 346-3208

CONTRACT NO. 76E91

**Foth**  
Foth Infrastructure & Environment, LLC  
1610 Broadmoor Drive  
Champaign, IL 61821  
Phone: 217-352-4169 Fax: 217-352-0085  
Illinois Registration Number 184-004913

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**GENERAL NOTES**

- ILLINOIS STATE LAW REQUIRES A 48 HOUR NOTICE TO BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

	ABOVE GROUND	BELOW GROUND
• AMEREN ILLINOIS, GAS & ELECTRIC	X	X
• CITY OF ASHLEY, WATER & SANITARY SEWER		X
• CHARTER COMMUNICATIONS, INC., CABLE TV	X	X
• COUNTRYMARK COOPERATIVE, LLP, PIPELINE		X
• VILLAGE OF DU BOIS, WATER & SANITARY SEWER		X
• FRONTIER NORTH, INC., COMMUNICATIONS	X	X
• TRI-COUNTRY ELECTRIC COOPERATIVE, INC., ELECTRIC	X	X
• WASHINGTON COUNTY WATER CO., WATER		X

MEMBERS OF J.U.L.I.E. (800)-892-0123 ARE INDICATED BY \*.  
NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY. (NONE KNOWN)

- THE CONTRACTOR AND ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE ASSUMED TO BE APPROXIMATE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- THE NOMINAL THICKNESS FOR BINDER AND SURFACE COURSE IS SHOWN ON THE TYPICAL SECTIONS, STANDARDS, SCHEDULES, OR SPECIAL DETAILS. THE CONSTRUCTED THICKNESS OF THE ABOVE ITEMS SHALL NOT BE LESS THAN 90 PERCENT OF THE NOMINAL THICKNESS AT ANY LOCATION.
- THE THICKNESS OF THE HMA 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 HMA MIXTURE IS PLACED.
- THE THICKNESS OF THE HMA SURFACE REMOVAL IS THE REMOVAL DEPTH AT THE CENTERLINE. IN LOCATIONS OF CROSS SLOPE CORRECTION, THE REMOVAL DEPTH VARIES FROM 3/4" TO 0" AT THE EDGE OF PAVEMENT.
- ALL PATCHING ON THIS PROJECT SHALL BE COMPLETED PRIOR TO HMA SURFACE REMOVAL.
- THE CONTRACTOR IS TO USE FULL LANE WIDTH MILL (13 FT WIDE) DURING HMA SURFACE REMOVAL.
- SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, AND FINAL HMA SURFACE. A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS BEEN ADDED TO THE PLANS. ALL TEMPORARY MARKINGS SHALL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS. WORK ZONE PAVEMENT MARKING REMOVAL SHALL ONLY BE PAID FOR ON THE FINAL LIFT OF SHORT-TERM PAVEMENT MARKING.
- THE PAVEMENT MARKING SHOWN ON THE PLAN IS APPROXIMATE. THE LOCATION OF THE PROPOSED PAVEMENT MARKINGS SHALL MATCH EXISTING FIELD CONDITIONS.
- NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.
- ROAD CONSTRUCTION AHEAD SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE (48X48) FLUORESCENT ORANGE.
- FLAGMEN SHALL BE PRESENT DURING ALL CLOSURE HOURS, INCLUDING LUNCH HOUR, AND NO ADDITIONAL COMPENSATION SHALL BE APPLIED.

ROUTE	U.S. ROUTE 51
SECTION	(7,8)RS-2
COUNTY	WASHINGTON
CONTRACT	76E91

DESCRIPTION:	US 51 FROM IL 15 W. JCT TO PERRY COUNTY LINE
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ADT (CONSTRUCTION YR)	2000
MJ %	9
SY %	4
20 YR. ESAL'S	1,06

MIXTURE USE:	SURFACE COURSE	LEVELING BINDER	PATCHING	INCIDENTAL SURFACE	PARTIAL DEPTH PATCH
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ N <sub>org</sub> = 70	4.0% @ N <sub>org</sub> = 70	4.0% @ N <sub>org</sub> = 70	4.0% @ N <sub>org</sub> = 70	4.0% @ N <sub>org</sub> = 70
MIXTURE COMPOSITION (GRADATION)	IL 9.5	IL 9.5	IL 19.0 FINE GRADE	IL 9.5	
FRICTION AGGREGATE	MIX "C"	MIX "C"	MIX "B"	MIX "C"	MIX "C"

MIXTURE USE:	SHOULDERS > 2.25"	SHOULDERS < 2.25"
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	SEE CONTRACT RAP	SEE CONTRACT RAP
DESIGN AIR VOIDS	SPECIAL PROVISION	SPECIAL PROVISION
MIXTURE COMPOSITION (GRADATION MIXTURE)	**2.0% @ N <sub>org</sub> = 30	**2.0% @ N <sub>org</sub> = 30
FRICTION AGGREGATE	NMAS 3/4"	NMAS 1/2"

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

**RATES OF APPLICATION**

CRUSHED STONE (WITH FINES): AGGREGATE SHOULDERS	2.05 TON/CU YD
BITUMINOUS CONCRETE: SURFACE, BINDER, LEVEL BINDER	112 LBS/SQ YD/INCH
AGGREGATE (PRIME COAT): BRICK, PCC, & BITUM BASE	0.0015 TON/SQ YD
BITUMINOUS MATERIALS (PRIME COAT): BRICK, PCC, & BITUM BASE	0.0003129 TON/SQ YD
SEEDING AREAS: NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
PHOSPHOROUS FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE
MULCH: METHOD 1&2; STRAW MULCH	2 TONS/ACRE

**COMMITMENTS**

NONE

DRIVER: J:\Bentley\Bentley\Projects\110001\110001.dwg  
 FILE NAME: J:\Bentley\Bentley\Projects\110001\110001.dwg  
 PLOT DATE: 1/12/2012

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 80% FED. 20% STATE	-----	-----
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	503	503		
21400100	GRADING AND SHAPING DITCHES	FOOT	2275	2275		
35101400	AGGREGATE BASE COURSE, TYPE B	TON	335	335		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	55	55		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	40.6	40.6		
40600300	AGGREGATE (PRIME COAT)	TON	192	192		
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	5380	5380		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1439	1439		
40600990	TEMPORARY RAMP	SO YD	833	833		
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	10848	10848		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	124	124		
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SO YD	128092	128092		
44000153	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	SO YD	455	455		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 80% FED. 20% STATE	-----	-----
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1019	1019		
44003100	MEDIAN REMOVAL	SO FT	3230	3230		
44004250	PAVED SHOULDER REMOVAL	SO YD	827	827		
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SO YD	12	12		
44200148	PAVEMENT PATCHING, TYPE III, 12 INCH	SO YD	18	18		
44200150	PAVEMENT PATCHING, TYPE IV, 12 INCH	SO YD	94	94		
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	503	503		
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	85431	85431		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1383	1383		
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SO YD	260	260		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	615	615		
50105220	PIPE CULVERT REMOVAL	FOOT	204	204		
54200223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	42	42		
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	6	6		

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	---	---
60100080	FRENCH DRAINS	CU YD	3	3		
60100085	GEOTECHNICAL FABRIC FOR FRENCH DRAINS	SO YD	54	54		
60107600	PIPE UNDERDRAINS 4"	FOOT	1900	1900		
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	90	90		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	763	763		
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	3230	3230		
63200310	GUARDRAIL REMOVAL	FOOT	123	123		
63400105	GUARD POSTS	EACH	27	27		
67100100	MOBILIZATION	L SUM	1	1		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1	1		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	---	---
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1		
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1		
*70300100	SHORT TERM PAVEMENT MARKING	FOOT	3317	3317		
*70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	111657	111657		
*70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	13	13		
*70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	70	70		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	37219	37219		
*72000100	SIGN PANEL - TYPE 1	SO FT	39	39		
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1		
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	2		
73000100	WOOD SIGN SUPPORT	FOOT	44	44		
*78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	111657	111657		

\*SPECIALTY ITEM

FILE NAME =	USER NAME = hor-foyal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwwork\pwwork\hor-foyal\1108254814\1007	pe91-abt-plandgn	DRAWN -	REVISED -			322	17, BIRS-2	WASHINGTON	15	JA	
	PLOT SCALE = 1/8"=1'-0"	CHECKED -	REVISED -			SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			
	PLOT DATE = 3/19/2012	DATE -	REVISED -			CONTRACT NO. 76591					

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 80% FED. 20% STATE	---	---	CODE NO	ITEM	UNIT		0005 80% FED. 20% STATE	---	---
*78004250	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"	FOOT	13	13									
*78004280	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	FOOT	70	70									
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	542	542									
*78200300	PRISMATIC CURB REFLECTOR	EACH	47	47									
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	542	542									
*X2500900	SEEDING, CLASS 1 (SPECIAL)	ACRE	0.81	0.81									
*Z0036200	PAINT CURB	FOOT	763	763									
*Z0064505	SECTION CORNER MARKERS	EACH	15	15									
+Z0076600	TRAINEES	HOUR	1,000	1,000									
+Z0076604	TRAINEES, TRAINING PROGRAM GRADUATE	HOUR	1,000	1,000									

\*SPECIALTY ITEM +0042

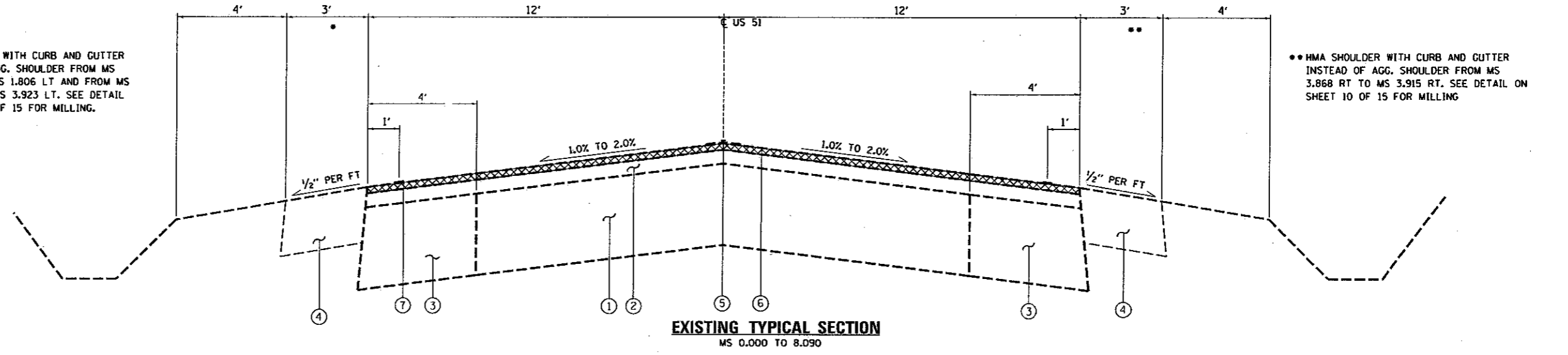
FILE NAME *	USER NAME * horlosal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE. 322	SECTION IT, BRS-2	COUNTY WASHINGTON	TOTAL SHEETS 15	SHEET NO. 38
c:\paw\work\paw\dos\horlosal\10254014\1027	91-akt-plowdgn	DRAWN -	REVISED -							
	PLOT SCALE * 1/8" = 1' IN	CHECKED -	REVISED -							
	PLOT DATE * 3/19/2012	DATE -	REVISED -							
						SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	
						CONTRACT NO. 76E91				

\* HMA SHOULDER WITH CURB AND GUTTER INSTEAD OF AGG. SHOULDER FROM MS 1.768 LT TO MS 1.806 LT AND FROM MS 3.868 LT TO MS 3.923 LT. SEE DETAIL ON SHEET 10 OF 15 FOR MILLING.

\*\* HMA SHOULDER WITH CURB AND GUTTER INSTEAD OF AGG. SHOULDER FROM MS 3.868 RT TO MS 3.915 RT. SEE DETAIL ON SHEET 10 OF 15 FOR MILLING

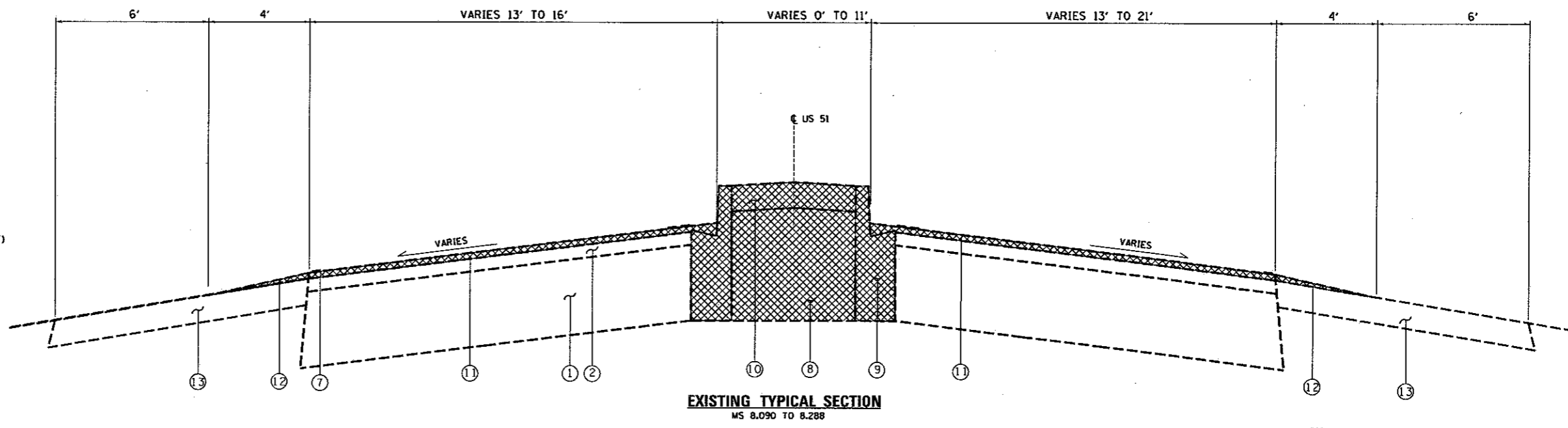
**LEGEND**

- ① EXISTING PCC PAVEMENT, 9"
- ② EXISTING HMA OVERLAY, 3 1/4"
- ③ EXISTING HMA BASE COURSE WIDENING, 9"
- ④ EXISTING AGGREGATE SHOULDER TYPE B
- ⑤ EXISTING RAISED REFLECTIVE PAVEMENT MARKER
- ⑥ EXISTING HMA SURFACE REMOVAL, 3/4" (SEE NOTE 1 & 2)
- ⑦ EXISTING PAINT PAVEMENT MARKING LINE, 4", (TYP.)
- ⑧ SEE NOTE 3
- ⑨ EXISTING CURB & GUTTER REMOVAL
- ⑩ EXISTING MEDIAN REMOVAL
- ⑪ EXISTING HMA SURFACE REMOVAL, 3/4"
- ⑫ EXISTING HMA SHOULDER OVERLAY
- ⑬ EXISTING HMA SHOULDER
- ⑭ PROPOSED BITUMIOUS MATERIALS (PRIME COAT)
- ⑮ PROPOSED AGGREGATE (PRIME COAT)
- ⑯ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 3/4"
- ⑰ PROPOSED HMA SURFACE COURSE, MIX "C", N70, 1 1/2"
- ⑱ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑲ PROPOSED COMBINATION CONCRETE CURB & GUTTER B-6.12
- ⑳ PROPOSED AGGREGATE BASE COURSE, TYPE B
- ㉑ PROPOSED CONCRETE MEDIAN SURFACE, 4"
- ㉒ PROPOSED HMA SHOULDERS, 2 1/4"
- ㉓
- ㉔ PROPOSED RAISED REFLECTIVE PAVEMENT MARKER
- ㉕ PROPOSED BITUMIOUS MATERIALS (PRIME COAT)
- ㉖ PROPOSED AGGREGATE (PRIME COAT)



**EXISTING TYPICAL SECTION**  
MS 0.000 TO 8.090

- NOTES:**
1. SEE CROSS SLOPE CORRECTION TABLE ON SHEET 5 OF 15 FOR LOCATIONS OF CROSS SLOPE CORRECTION FOR MILLING.
  2. HMA SURFACE REMOVAL THICKNESS IS THE REMOVAL DEPTH AT THE CENTERLINE.
  3. THE EXCAVATION AND DISPOSAL OF AGGREGATE OR EARTHEN MATERIAL UNDER THE EXISTING CONCRETE MEDIAN SHALL BE INCLUDED IN THE PRICE PER SO FT FOR MEDIAN REMOVAL. MATCH DEPTH OF C&G REMOVAL.



**EXISTING TYPICAL SECTION**  
MS 8.090 TO 8.288

\*\*\* MEDIAN BEGINS AT MS 8.199 AND ENDS AT MS 8.284

DRIVER = #PLTDIVL\*  
FILE NAME = c:\p\work\proj\1025481\1025481.dwg

USER NAME = karlosal	DESIGNED - JLE	REVISED -
PRINTER = #SYSPRINTER.NAME#	DRAWN - MSJ	REVISED -
PLOT SCALE = 2.0000' / 1"	CHECKED - KEJ	REVISED -
PLOT DATE = 3/19/2012	DATE - 01/13/2012	REVISED -

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

**TYPICAL SECTIONS**

SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

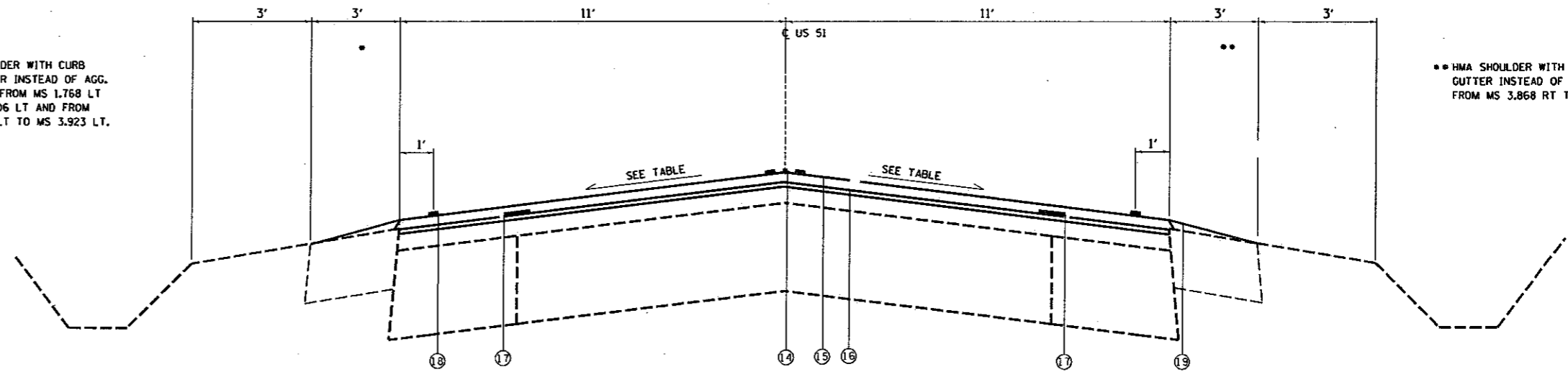
F.A.E. RTE. 322	SECTION 17, BBS-2	COUNTY WASHINGTON	TOTAL SHEETS 15	SHEET NO. 4
CONTRACT NO. 76E91				
ILLINOIS FED. AID PROJECT				

• HMA SHOULDER WITH CURB AND GUTTER INSTEAD OF AGG. SHOULDER FROM MS 1.768 LT TO MS 1.806 LT AND FROM MS 3.868 LT TO MS 3.923 LT.

•• HMA SHOULDER WITH CURB AND GUTTER INSTEAD OF AGG. SHOULDER FROM MS 3.868 RT TO MS 3.915 RT.

**LEGEND**

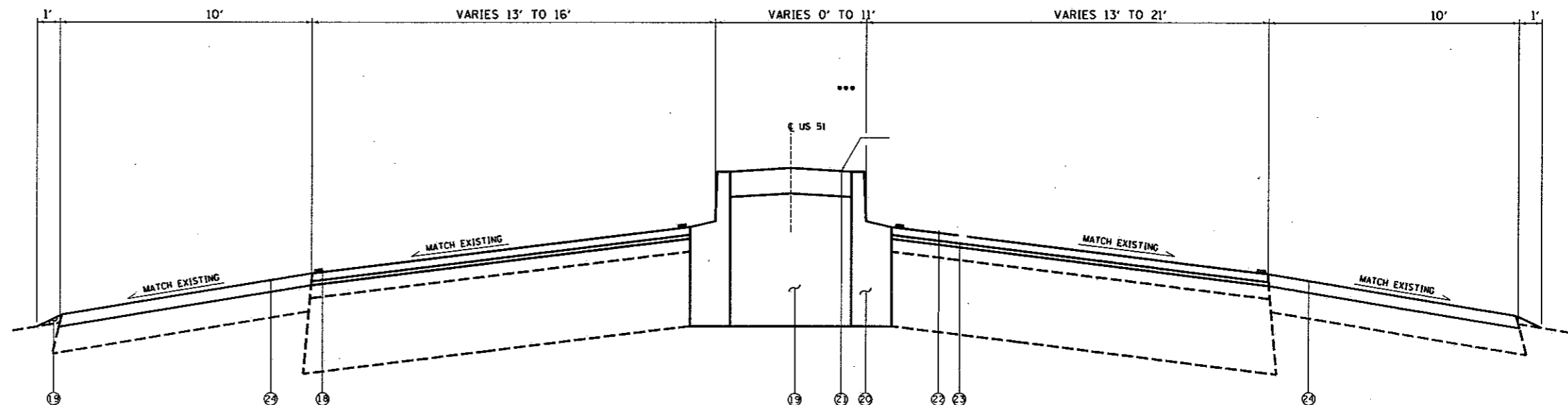
- ① EXISTING PCC PAVEMENT, 9"
- ② EXISTING HMA OVERLAY, 3 1/4"
- ③ EXISTING HMA BASE COURSE WIDENING, 9"
- ④ EXISTING AGGREGATE SHOULDER TYPE B, TYP.
- ⑤ EXISTING RAISED REFLECTIVE PAVEMENT MARKER
- ⑥ EXISTING HMA SURFACE REMOVAL, 3/4" (SEE NOTE 1 & 2)
- ⑦ EXISTING PAINT PAVEMENT MARKING LINE, 4", TYP.
- ⑧ SEE NOTE 3
- ⑨ EXISTING CURB & GUTTER REMOVAL, TYP.
- ⑩ EXISTING MEDIAN REMOVAL
- ⑪ EXISTING HMA SURFACE REMOVAL, 3/4"
- ⑫ EXISTING HMA SHOULDER OVERLAY, TYP.
- ⑬ EXISTING HMA SHOULDER, TYP.
- ⑭ PROPOSED RAISED REFLECTIVE PAVEMENT MARKER
- ⑮ PROPOSED HMA SURFACE COURSE, MIX "C", N70, 1 1/2"
- ⑯ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 3/4"
- ⑰ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑱ PROPOSED PREFORMED PLASTIC PAVEMENT MARKING, TY B - INLAID, 4" TYP.
- ⑲ PROPOSED AGGREGATE BASE COURSE, TYPE B
- ⑳ PROPOSED COMBINATION CONCRETE CURB & GUTTER B-6.12
- ㉑ PROPOSED CONCRETE MEDIAN SURFACE, 4"
- ㉒ PROPOSED HMA SURFACE COURSE, MIX "C", N70, 1 1/2"
- ㉓ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 3/4"
- ㉔ PROPOSED HMA SHOULDERS, 2 1/4"



**PROPOSED TYPICAL SECTION**  
MS 0.000 TO 8.090

**CROSS SLOPE CORRECTION TABLE**

LT		PROPOSED CROSS SLOPE	RT		PROPOSED CROSS SLOPE
0.000	TO 2.784	MATCH EXISTING	0.000	TO 1.288	MATCH EXISTING
2.784	TO 2.879	2.0% MAX	1.288	TO 1.326	2.0% MAX
2.879	TO 3.939	MATCH EXISTING	1.326	TO 3.030	MATCH EXISTING
3.939	TO 4.129	2.0% MAX	3.030	TO 3.068	2.0% MAX
4.129	TO 4.697	MATCH EXISTING	3.068	TO 3.731	MATCH EXISTING
4.697	TO 5.057	2.0% MAX	3.731	TO 3.807	2.0% MAX
5.057	TO 6.212	MATCH EXISTING	3.807	TO 4.735	MATCH EXISTING
6.212	TO 6.288	2.0% MAX	4.735	TO 5.057	2.0% MAX
6.288	TO 8.090	MATCH EXISTING	5.057	TO 5.966	MATCH EXISTING
			5.966	TO 6.799	2.0% MAX
			6.799	TO 8.090	MATCH EXISTING



**PROPOSED TYPICAL SECTION**  
MS 8.090 TO 8.288

\*\*\* MEDIAN BEGINS AT MS 8.199 AND ENDS AT MS 8.284

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	IT_RIBS-2	WASHINGTON	15	5
CONTRACT NO. 76E91				
ILLINOIS FED. AID PROJECT				



SURFACE REMOVAL SCHEDULE					
LOCATION			40600982 HMA SURFACE REMOVAL BUTT JOINT	40600990 TEMPORARY RAMP	44000152 HMA SURFACE REMOVAL 34"
MILE STATION	TO	MILE STATION	(SQ YD)	(SQ YD)	(SQ YD)
0.000	TO	0.009	130	130	137
0.009	TO	0.019			153
0.019	TO	0.774			11,516
0.774	TO	2.099			20,211
2.099	TO	2.564			7,093
2.564	TO	3.077			7,825
3.077	TO	4.102			15,835
4.102	TO	4.610			7,749
4.610	TO	4.617			107
4.617	TO	5.854			18,898
5.854	TO	6.082			3,473
6.082	TO	7.096			15,487
7.096	TO	8.090			15,162
8.090	TO	8.199			1,950
8.199	TO	8.216			370
8.216	TO	8.244			578
8.244	TO	8.265			382
8.265	TO	8.284			346
8.284	TO	8.288	456	456	
WEST DUBOIS BLACKTOP			123	123	405
EAST DUBOIS BLACKTOP			122	122	412
RADIUS AT INTERSECTION					250
<b>TOTAL</b>			<b>833</b>	<b>833</b>	<b>128,062</b>

RESURFACING SCHEDULE									
LOCATION			40600200 BITUMINOUS MATERIALS (PRIME COAT)	40600300 AGGREGATE (PRIME COAT)	40600635 LEVELING BINDER (MACHINE METHOD) N70	40603315 HMA SURFACE COURSE MIX "C" N70	44300200 STRIP REFLECTIVE CRACK CONTROL TREATMENT (FOOT)		
MILE STATION	TO	MILE STATION	(TON)	(TON)	(TON)	(TON)	(FOOT)		
0.000	TO	0.009	0.04	0.21	5.8	11.6	95		
0.009	TO	0.019	0.05	0.23	6.4	12.9	108		
0.019	TO	0.774	3.50	17.27	483.7	975.4	7,873		
0.774	TO	2.099	8.32	30.92	848.9	1,711.8	13,992		
2.099	TO	2.564	2.22	10.84	297.9	600.8	4,910		
2.564	TO	3.077	2.45	11.74	328.7	662.8	5,417		
3.077	TO	4.102	4.89	23.45	656.7	1,324.3	10,824		
4.102	TO	4.610	2.42	11.62	325.4	656.3	5,364		
4.610	TO	4.617	0.03	0.16	4.5	9.0	74		
4.617	TO	5.854	5.90	28.30	792.5	1,598.1	13,083		
5.854	TO	6.082	1.09	5.22	146.1	294.6	2,408		
6.082	TO	7.096	4.84	23.20	849.8	1,310.0	10,708		
7.096	TO	8.090	4.74	22.74	838.8	1,284.2	10,497		
8.090	TO	8.199	0.61	2.93	81.9	165.0			
8.199	TO	8.216	0.12	0.55	15.5	31.2			
8.216	TO	8.244	0.18	0.86	24.2	48.7			
8.244	TO	8.265	0.12	0.57	15.0	32.3			
8.265	TO	8.284	0.11	0.52	14.5	29.2			
WEST DUBOIS BLACKTOP			0.13	0.61	17.0	34.0			
EAST DUBOIS BLACKTOP			0.13	0.62	17.3	34.8			
RADIUS @ INT WITH US51			0.08	0.38	10.5	21.0			
<b>TOTAL</b>			<b>40.1</b>	<b>192</b>	<b>5,350</b>	<b>10,848</b>	<b>85,431</b>		

MEDIAN SCHEDULE						
LOCATION		35101400 AGGREGATE BASE COURSE TYPE B (TON)	44000500 COMBINATION CURB AND GUTTER REMOVAL (FOOT)	44003100 MEDIAN REMOVAL (SQ FT)	60603800 CONCRETE CURB AND GUTTER TYPE B-8.12 (FOOT)	60618300 CONCRETE MEDIAN SURFACE 4 INCH (SQ FT)
CENTER MEDIAN AT IL 15		315		3,185	727	3,165
CORNER ISLAND AT IL 15		7	36	85	36	85
<b>TOTAL</b>		<b>322</b>	<b>763</b>	<b>3,230</b>	<b>763</b>	<b>3,230</b>

PATCHING SCHEDULE									
LOCATION			LENGTH (FOOT)	WIDTH (FOOT)	AREA (SQ YD)	44200144 PAVEMENT PATCHING TYPE I 12 INCH (SQ YD)	44200148 PAVEMENT PATCHING TYPE II 12 INCH (SQ YD)	44200150 PAVEMENT PATCHING TYPE IV 12 INCH (SQ YD)	
0.05	NB	16	10	17.8					
7.10	NB	20	13	28.9				29	
7.10	SB	45	13	65.0				65	
7.20	NB	13	4	5.8	6				
7.20	SB	13	4	5.8	6				
<b>TOTAL</b>						<b>12</b>	<b>18</b>	<b>64</b>	

SHOULDER SCHEDULE												
LOCATION			44000153 HMA SURFACE REMOVAL 1"	44000500 COMBINATION CURB AND GUTTER REMOVAL	44004250 PAVED SHOULDER REMOVAL	48101200 AGGREGATE SHOULDERS TYPE B RUTTED AREAS (TON)	48101200 AGGREGATE SHOULDERS TYPE B WEDGE (TON)	48203100 HOT MIX ASPHALT SHOULDERS 8" DEPTH (TON)	48203100 HOT MIX ASPHALT SHOULDERS 2 1/4" DEPTH (TON)			
MILE STATION	TO	MILE STATION	RT/LT	WIDTH (FEET)	(SQ YD)	(FOOT)	(SQ YD)	(TON)	(TON)			
0.000	TO	1.788	LT	3				133				
0.000	TO	1.788	RT	3				133				
1.788	TO	1.806	LT	7	156			3	15			
1.806	TO	3.888	LT	3				155				
1.850	TO	2.000	LT				30	11				
1.788	TO	3.888	RT	3				158				
2.214	TO	2.301	LT				28	7				
3.957	TO	3.473	LT				23	6				
3.888	TO	3.923	LT	5	161				16			
3.922	TO	3.936	RT				6					
3.923	TO	8.090	LT	3				313				
3.888	TO	3.915	RT	3	138	256		4	14			
3.915	TO	8.090	RT	3				314				
5.265	TO	5.303	LT				13					
5.758	TO	5.788	RT				3					
8.090	TO	8.185	LT	10				9	55			
8.165	TO	8.278	LT	10			663	13	84			
8.278	TO	8.288	LT	10				1	7			
8.090	TO	8.188	RT	10				11	72			
8.188	TO	8.216	RT	10			184	3	21			
8.216	TO	8.298	RT	10				8	53			
<b>SUBTOTAL</b>												
<b>TOTAL</b>					<b>455</b>	<b>256</b>	<b>827</b>	<b>101</b>	<b>1,383</b>	<b>1,282</b>	<b>278</b>	<b>615</b>

UNDERDRAIN SCHEDULE									
LOCATION			48101500 AGGREGATE SHOULDERS TYPE B 8" (SQ YD)	80100980 CONCRETE HEADWALLS FOR PIPE DRAINS (EACH)	80100980 FRENCH DRAINS (CU YD)	80100985 GEOTECHNICAL FABRIC FOR FRENCH DRAINS (SQ YD)	80107800 PIPE UNDERDRAINS 4" (FOOT)	80108100 PIPE UNDERDRAINS 4" (SPECIAL) (FOOT)	
5.665	TO	5.688	RT	11	2			121	30
5.688	TO	5.730	RT	74		2	33	222	
5.730	TO	5.845	RT	56	1			607	15
5.885	TO	5.895	LT	15	2			158	30
5.685	TO	5.719	LT	42		1	21	127	
5.719	TO	5.845	LT	82	1			685	15
<b>TOTAL</b>			<b>280</b>	<b>8</b>	<b>3</b>	<b>54</b>	<b>1,900</b>	<b>90</b>	

SIGN SCHEDULE									
LOCATION						72000100 SIGN PANEL TYPE 1 (SQ FT)	72400100 REMOVE SIGN PANEL ASSEMBLY TYPE A (EACH)	72400200 REMOVE SIGN PANEL ASSEMBLY TYPE B (EACH)	73000100 WOOD SIGN SUPPORT (FOOT)
SIGN DESCRIPTION	MUTCD NO.	SIZE	FACING DIRECTION	MILE STATION	OFFSET				
KEEP RIGHT	R4-7	24X30	NB	8.217	CL	5	1		12.5
STOP	R1-1	30X30	NB			6			
CROSS TRAFFIC DOES NOT STOP	W4-100	30X15	NB	8.292	CL	3		1	14.0
KEEP RIGHT	R4-7	24X30	SB			5			
L 15	M1-100	24X24	NB			4			
US51	M1-4	24X24	NB			4			
DIRECTIONAL ARROW	M6-4	21X15	NB	8.283	RT	2		1	17.0
RIGHT DIRECTIONAL ARROW	M6-1	21X15	NB			2			
STOP	R1-1	30X30	NB			8			
CROSS TRAFFIC DOES NOT STOP	W4-100	24X12	NB			2			
<b>TOTAL</b>						<b>39</b>	<b>1</b>	<b>2</b>	<b>44</b>

SUBTOTALS FROM SCHEDULE					
	35101400 AGGREGATE BASE COURSE TYPE B (TON)	40600200 BITUMINOUS MATERIALS (PRIME COAT) (TON)	40600982 HMA SURFACE REMOVAL BUTT JOINT (SQ YD)	40600650 INCIDENTAL HMA SURFACING (TON)	44000500 COMBINATION CURB AND GUTTER REMOVAL (FOOT)
ENTRANCE SCHEDULE		0.2		63	
MALBOX SCHEDULE		0.1		10	
MEDIAN SCHEDULE	322				763
PAVEMENT REPAIR SCHEDULE	13				
RESURFACING SCHEDULE		40.1			
SHOULDER SCHEDULE					258
SIDEROAD SCHEDULE		0.2		51	
SURFACE REMOVAL SCHEDULE			833		
<b>TOTAL</b>	<b>335</b>	<b>40.5</b>	<b>1,439</b>	<b>124</b>	<b>1,019</b>

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PLOT DATE: 1/12/2012	DATE: 01/13/2012	REVISED:

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

SCHEDULE OF QUANTITIES			
SHEET NO.	OF	SHEETS	STA. TO STA.
322			(7, 8)RS-2

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(7, 8)RS-2	WASHINGTON	15	6

CONTRACT NO. 76E91  
ILLINOIS FED. AID PROJECT

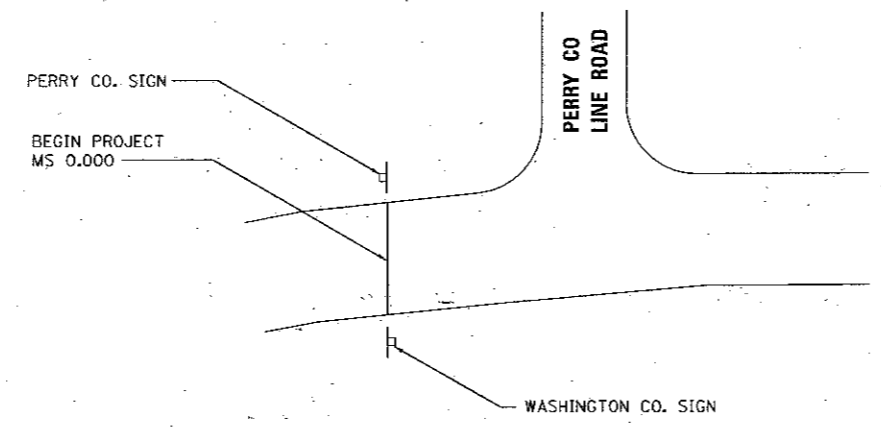
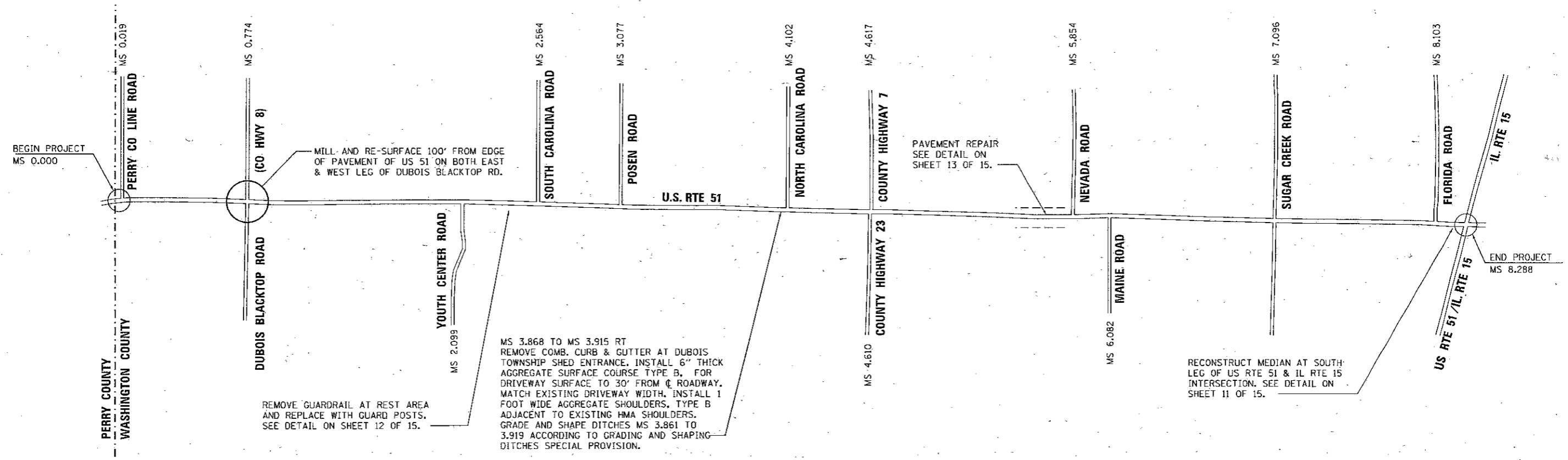








NO SCALE



BEGIN PROJECT DETAIL

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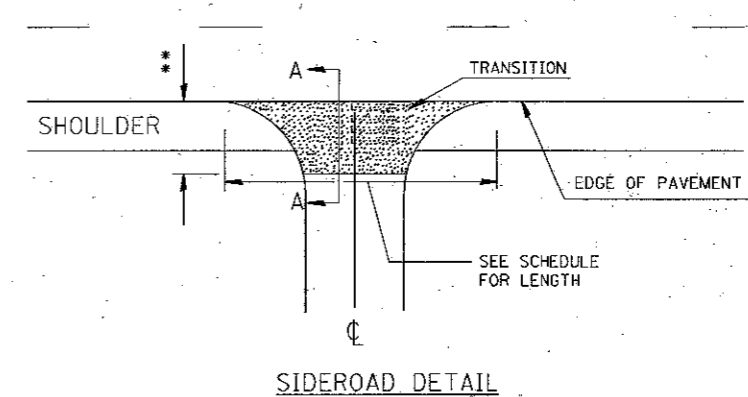
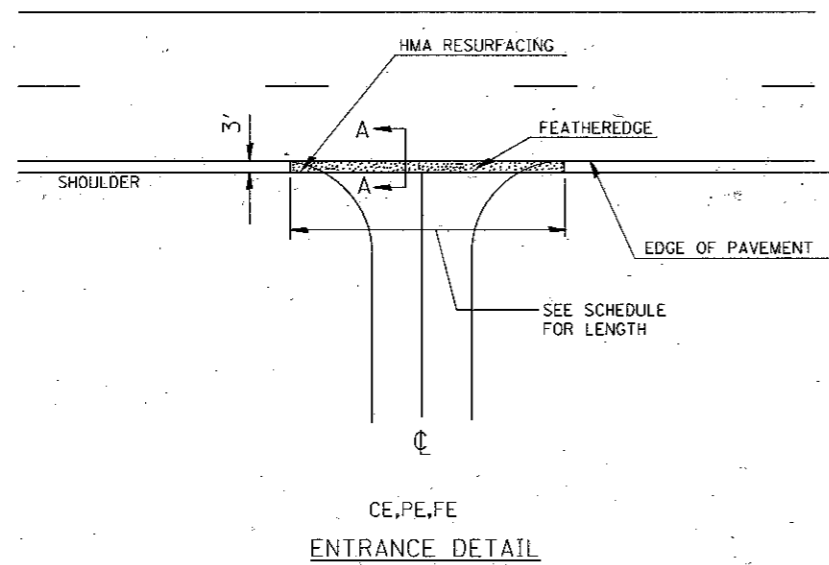
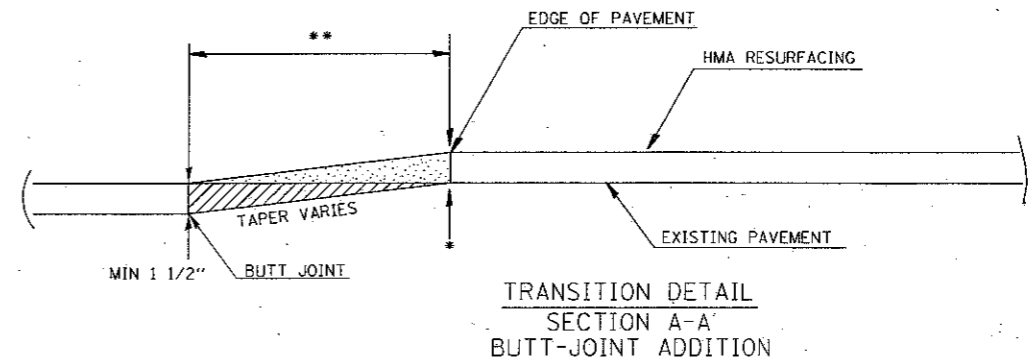
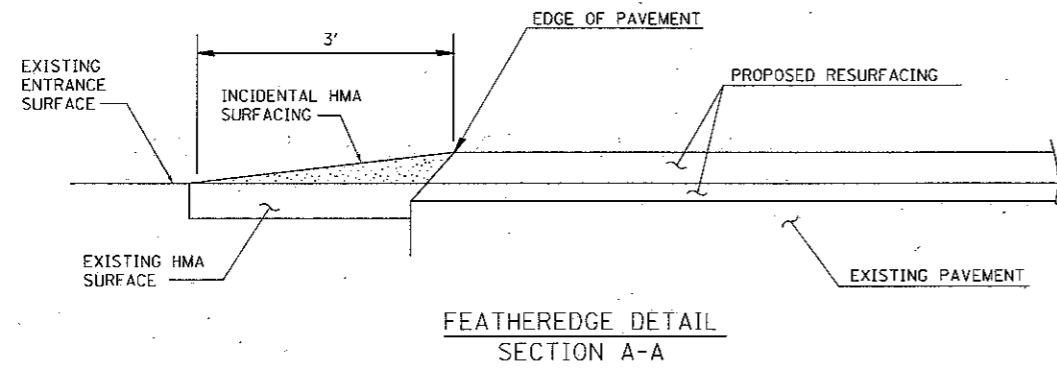


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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

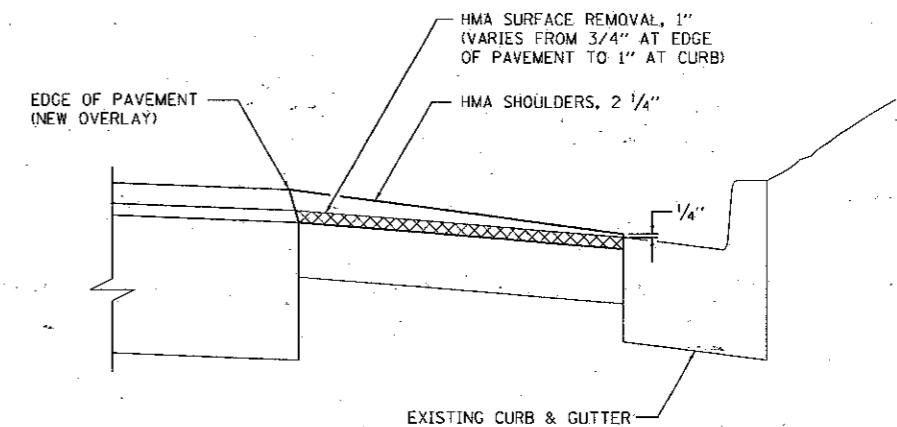
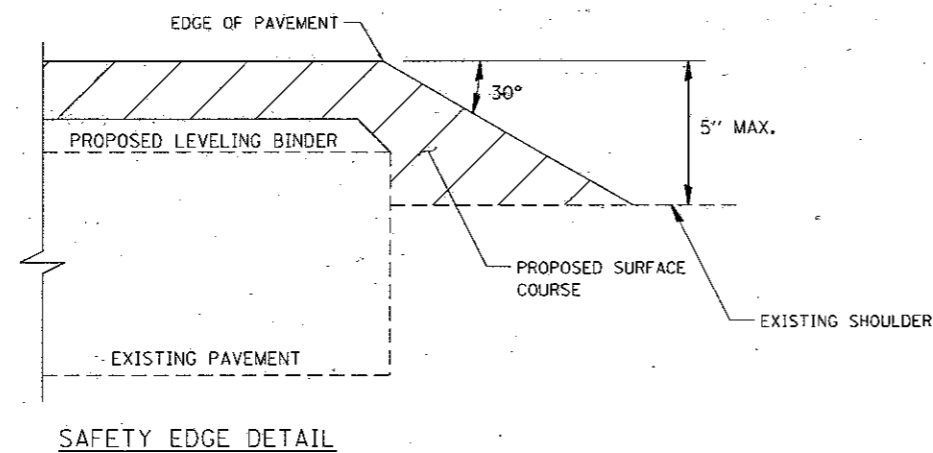
PLAN			
SHEET NO.	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(7, 8)RS-2	WASHINGTON	15	9
CONTRACT NO. 76E91				
ILLINOIS FED. AID PROJECT				



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

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



CURBED SHOULDER TREATMENT DETAIL

MS 1.768 LT TO MS 1.806 LT  
MS 3.868 LT TO MS 3.923 LT  
MS 3.868 RT TO MS 3.915 RT

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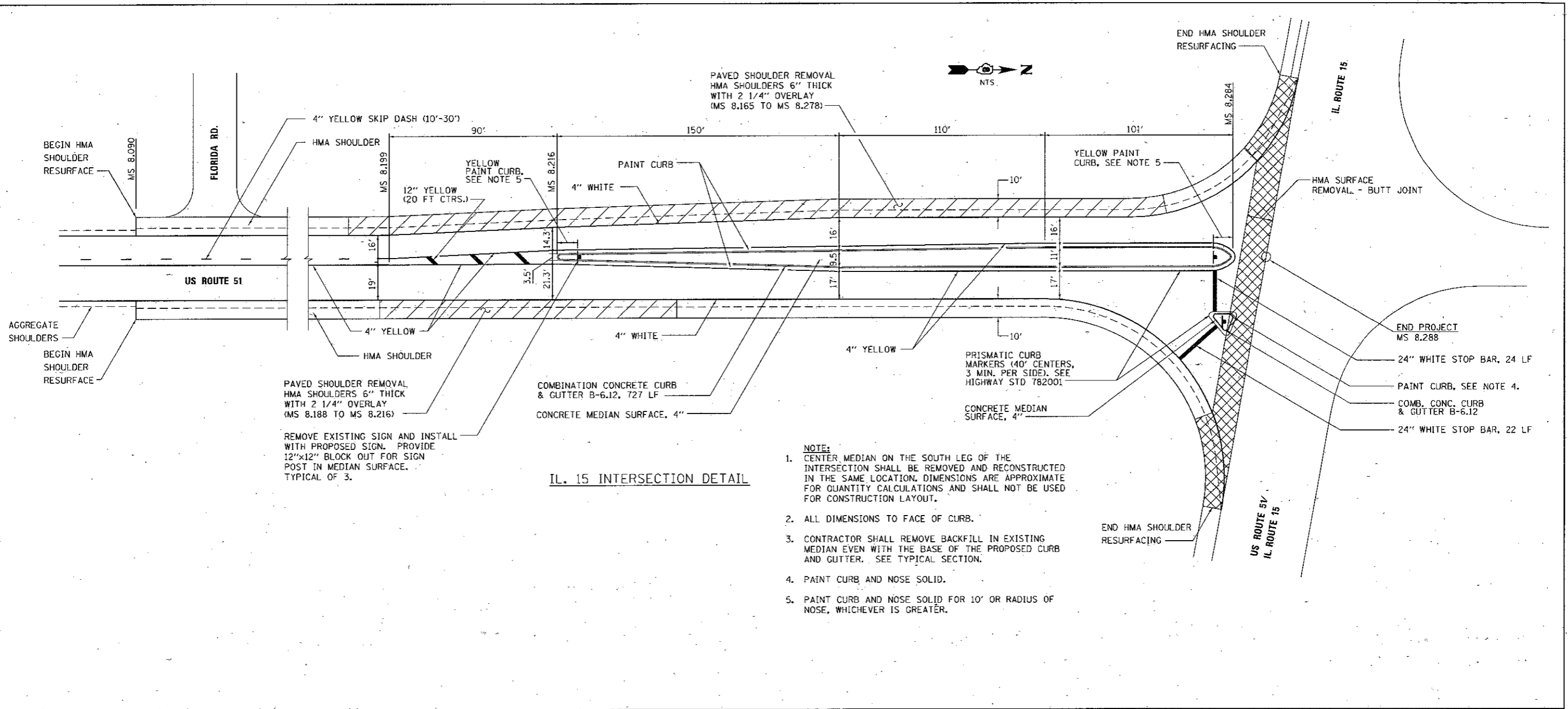
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS

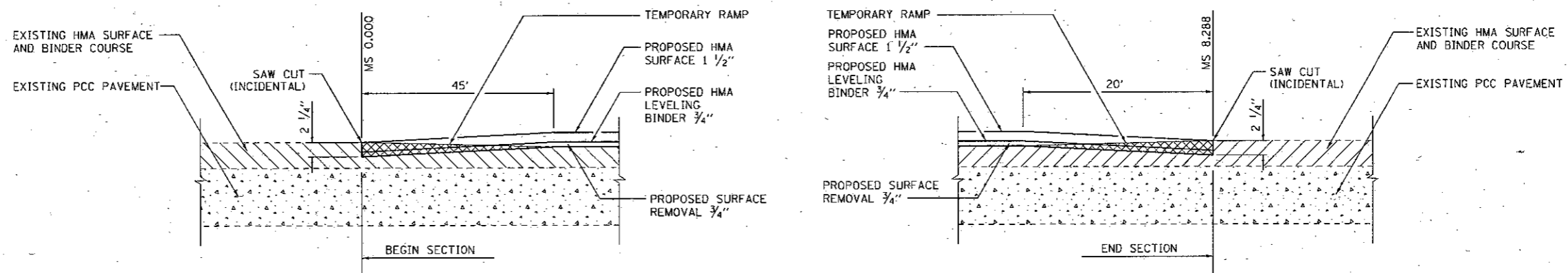
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(7, BIRS-2)	WASHINGTON	15	10
CONTRACT NO. 76E91				
ILLINOIS FED. AID PROJECT				



IL. 15 INTERSECTION DETAIL

- NOTE:**
- CENTER MEDIAN ON THE SOUTH LEG OF THE INTERSECTION SHALL BE REMOVED AND RECONSTRUCTED IN THE SAME LOCATION. DIMENSIONS ARE APPROXIMATE FOR QUANTITY CALCULATIONS AND SHALL NOT BE USED FOR CONSTRUCTION LAYOUT.
  - ALL DIMENSIONS TO FACE OF CURB.
  - CONTRACTOR SHALL REMOVE BACKFILL IN EXISTING MEDIAN EVEN WITH THE BASE OF THE PROPOSED CURB AND GUTTER. SEE TYPICAL SECTION.
  - PAINT CURB AND NOSE SOLID.
  - PAINT CURB AND NOSE SOLID FOR 10' OR RADIUS OF NOSE, WHICHEVER IS GREATER.



MILLING / BUTT JOINT DETAILS

**NOTE:**  
 DUBOIS BLACKTOP ROAD SHALL USE 45'  
 BUTT JOINT ON BOTH THE EAST AND  
 WEST LEGS OF THE INTERSECTION.

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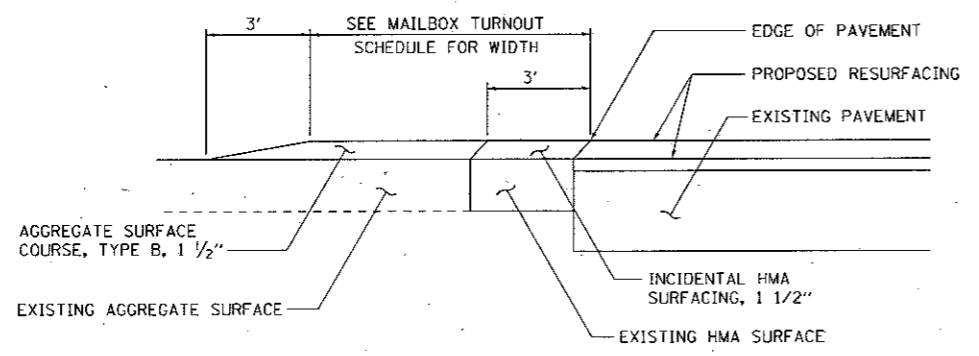


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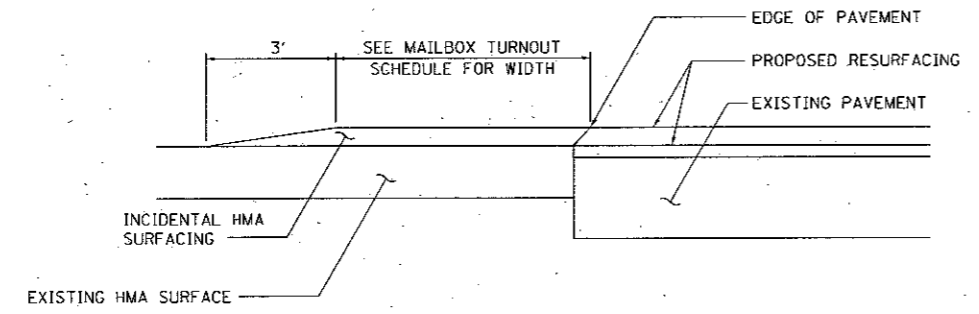
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>DETAILS</b>			
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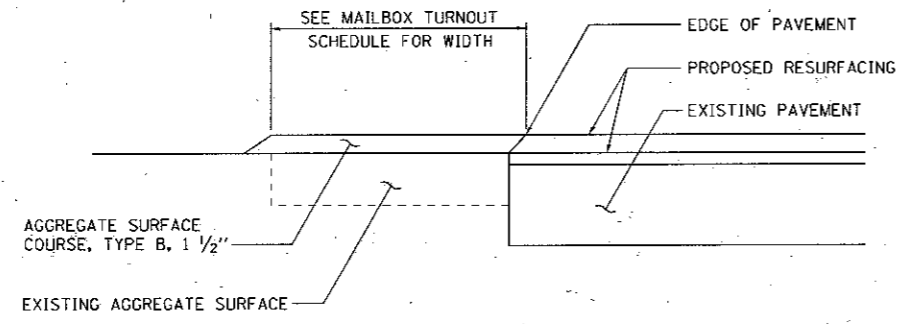
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CONTRACT NO. 76E91				
ILLINOIS FED. AID PROJECT				



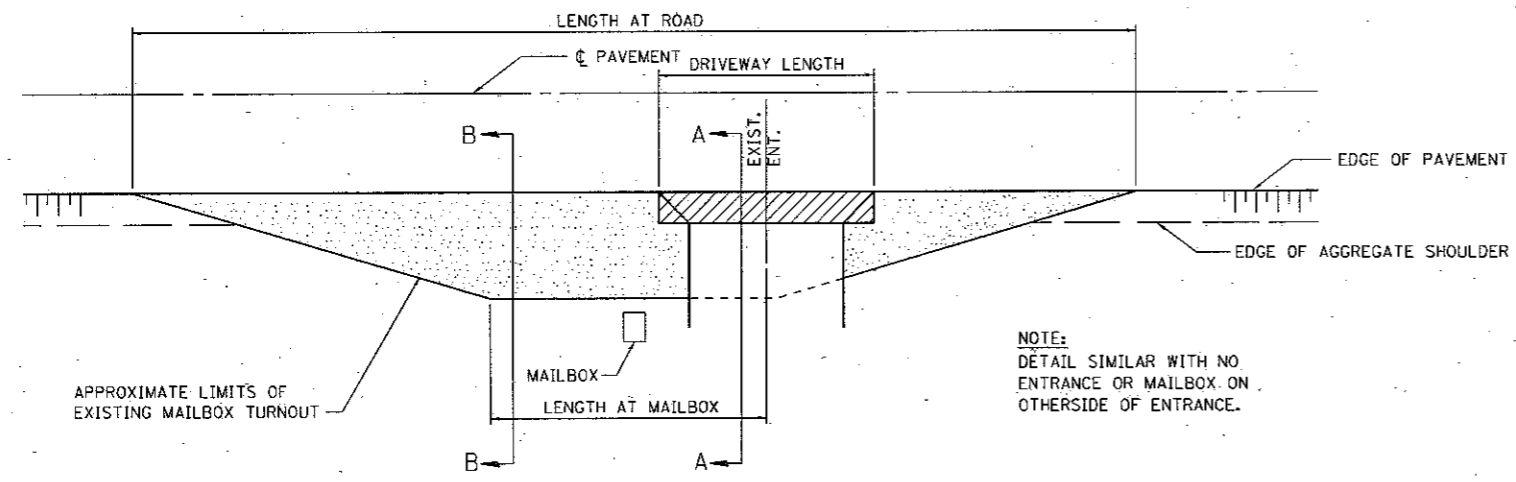
SECTION A-A AGGREGATE SURFACE



SECTION A-A HMA SURFACE

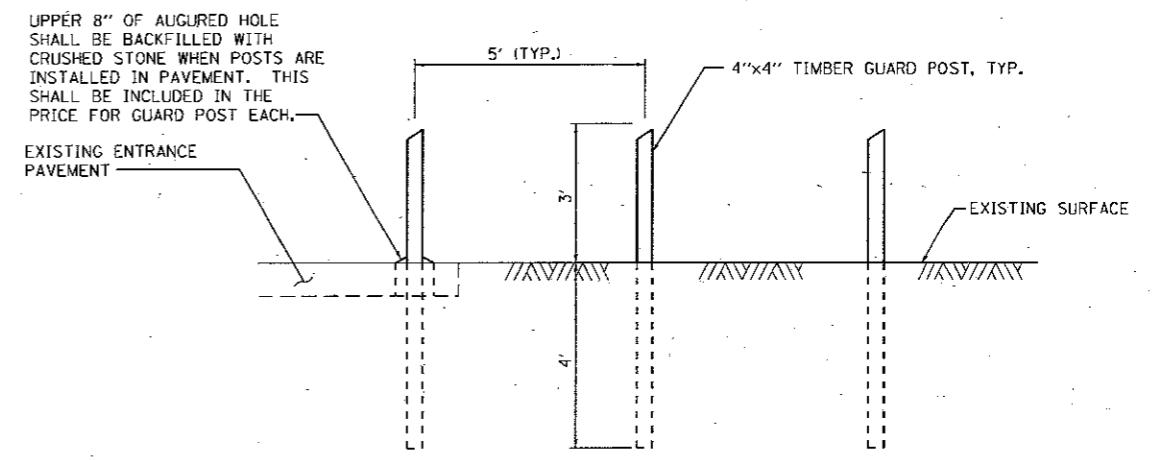


SECTION B-B

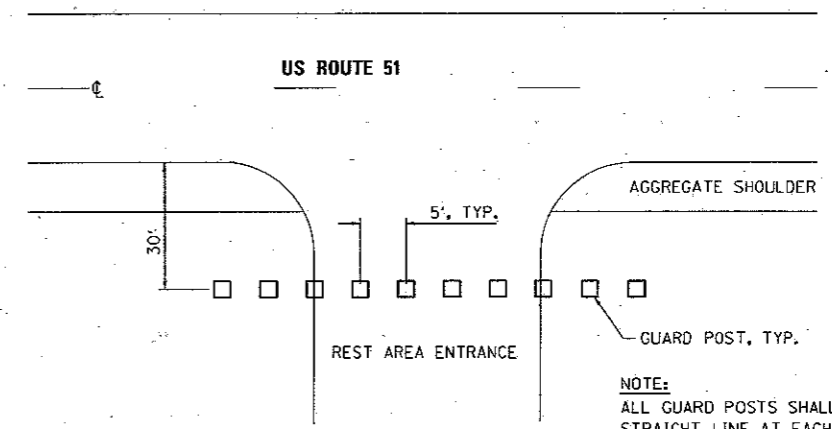


NOTE:  
DETAIL SIMILAR WITH NO  
ENTRANCE OR MAILBOX ON  
OTHERSIDE OF ENTRANCE.

MAILBOX TURNOUT DETAIL



SECTION VIEW



PLAN VIEW

GUARD POST DETAIL  
MS 2.362 AND MS 2.438

NOTE:  
ALL GUARD POSTS SHALL BE INSTALLED IN A  
STRAIGHT LINE AT EACH ENTRANCE. TO ACHIEVE  
THIS CONSISTENT SET BACK THE CONTRACTOR  
SHALL LOCATE ALL UTILITIES. CONFIRM GUARD  
POST LOCATION WITH ENGINEER IN FIELD AFTER  
UTILITIES ARE LOCATED AND MARKED AND PRIOR  
TO ANY INSTALLATIONS. ENGINEER SHALL HAVE  
AUTHORITY TO ADJUST FINAL GUARD POST  
LOCATIONS.

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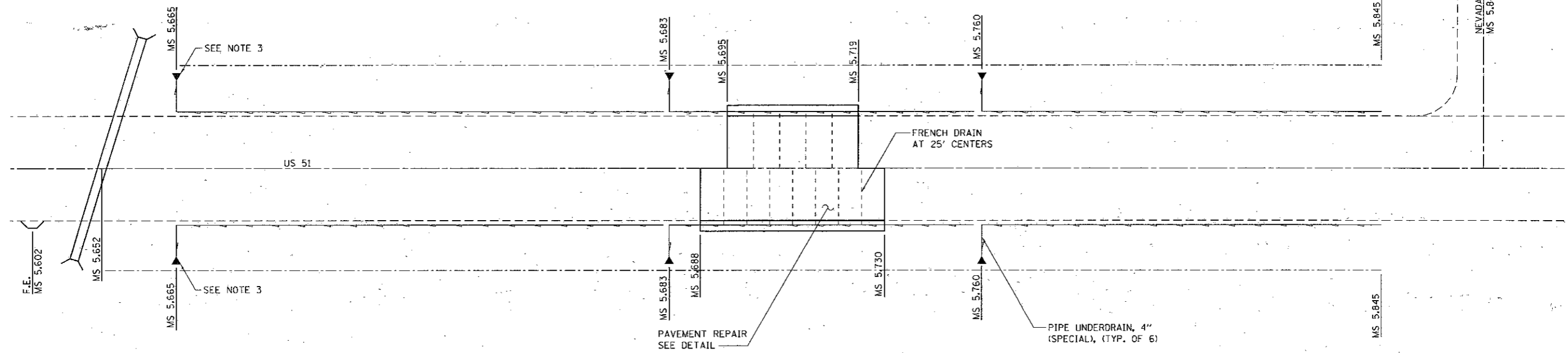
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS			
SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(7, 8)RS-2	WASHINGTON	15	12

ILLINOIS FED. AID PROJECT  
CONTRACT NO. 76E91





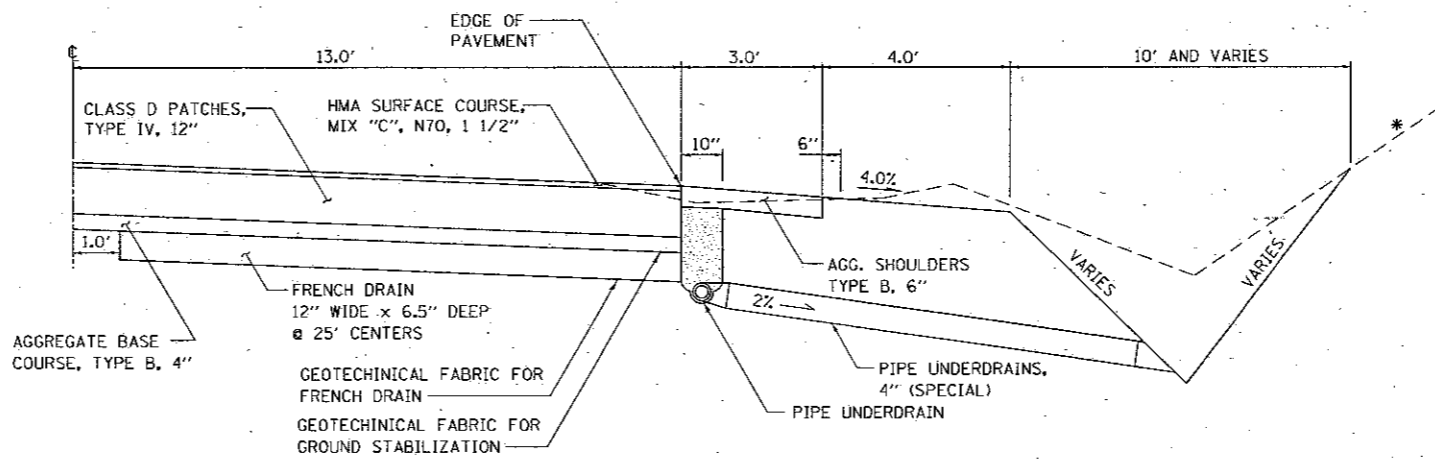
PAVEMENT REPAIR PLAN VIEW

LEGEND

- ▶ CONCRETE HEADWALL FOR PIPE DRAINS
- GRADE AND SHAPE DITCHES
- PIPE UNDERDRAINS

NOTES:

1. AGGREGATE SHOULDERS TYPE B, 6" SHALL BE 10" WIDE FROM MS 5.665 RT TO MS 5.688 RT, MS 5.730 RT TO MS 5.845 RT, MS 5.665 LT TO MS 5.695 LT, MS 5.719 LT TO MS 5.845 LT
2. AGGREGATE SHOULDERS TYPE B, 6" SHALL BE 3' WIDE FROM MS 5.688 RT TO MS 5.730 RT, MS 5.695 LT TO 5.719 LT
3. CONCRETE HEADWALL SHALL BE POSITIONED IN STONE RIP RAP TO ALLOW PIPE UNDERDRAIN TO DRAIN TO CREEK



PAVEMENT REPAIR DETAIL

\* BACKSLOPE GRADING TO BE LIMITED TO DITCH BOTTOM ONLY. SIGNIFICANT GRADING ON THE BACKSLOPE SHALL NOT BE ALLOWED.

SCALE:  
H: 1"=20'  
V: 1"=4'

DRIVER = J:\Bentley\BSPrint\polder\111001\111001.dwg, PLOT DATE = 1/12/2012, PLOT SCALE = 2.000, PLOT DATE = 1/12/2012



USER NAME = jlf1	DESIGNED - JLF	REVISED -
PRINTER =	DRAWN - MSJ	REVISED -
PLOT SCALE = 2.000	CHECKED - KEJ	REVISED -
PLOT DATE = 1/12/2012	DATE - 01/13/2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DETAILS			
SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(7, BRS-2)	WASHINGTON	15	13
CONTRACT NO. 76E91				
ILLINOIS FED. AID PROJECT				

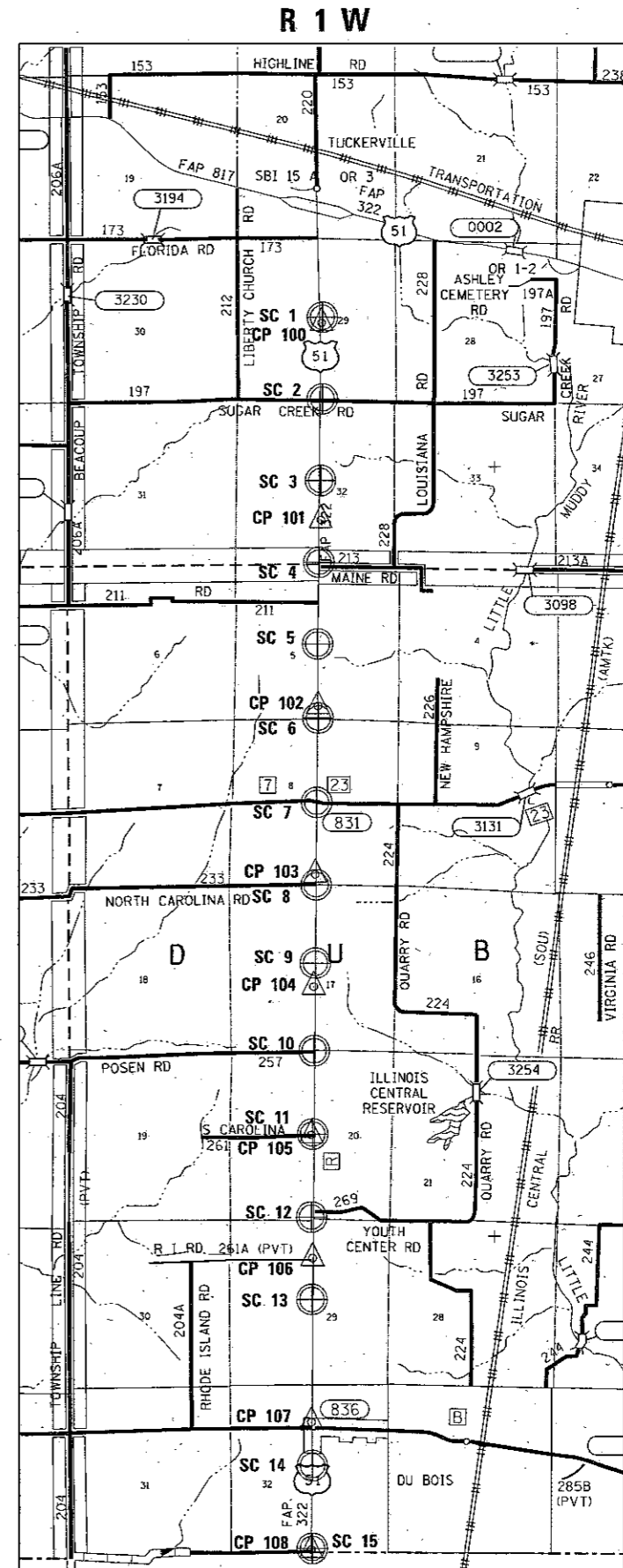
NOTES:

SECTION CORNERS SHALL BE SET IN ACCORDANCE SPECIAL PROVISION.

BASIS OF COORDINATES - ILLINOIS STATE PLANE, WEST ZONE, GRID COORDINATES  
 COORDINATE TYPE: GRID  
 ELLIPSOID: WGS 84  
 STATE PLANE ZONE: ILLINOIS WEST NAD 83 ('07)  
 GEOID MODEL: GEOID 09  
 AVERAGE COMBINED FACTOR: 1.0000020211

CONTROL POINT COORDINATE TABLE			
POINT NO.	NORTH	EAST	DESCRIPTION
CP 100	604,676.508	2,565,702.619	IRON PIN W/ ALUMINUM CAP
CP 101	598,243.776	2,565,692.205	IRON PIN W/ ALUMINUM CAP
CP 102	592,188.534	2,565,592.299	IRON PIN W/ ALUMINUM CAP
CP 103	586,709.765	2,565,506.092	IRON PIN W/ ALUMINUM CAP
CP 104	583,043.588	2,565,456.839	IRON PIN W/ ALUMINUM CAP
CP 105	578,234.407	2,565,377.837	IRON PIN W/ ALUMINUM CAP
CP 106	574,242.756	2,565,419.426	IRON PIN W/ ALUMINUM CAP
CP 107	568,912.162	2,565,383.861	IRON PIN W/ ALUMINUM CAP
CP 108	564,777.897	2,565,373.418	IRON PIN W/ ALUMINUM CAP

SECTION CORNER COORDINATE TABLE				
POINT NO.	NORTH	EAST	DESCRIPTION	CORNER
SC 1 (1002)	604,853.410	2,565,735.490	IRON PIN W/ ALUMINUM CAP	Ctr. of Sec 29-2-1
SC 2 (1003)	602,189.707	2,565,737.784	RR SPIKE	N. 1/4 Cor Sec 32-2-1
SC 3 (1004)	599,532.040	2,565,684.752	IRON PIN W/ ALUMINUM CAP	Ctr. of Sec 32-2-1
SC 4 (1006)	596,870.758	2,565,631.633	IRON PIN W/ ALUMINUM CAP	N. 1/4 Cor Sec 5-3-1
SC 5 (1010)	594,374.333	2,565,668.104	IRON PIN W/ ALUMINUM CAP	Ctr. of Sec 5-3-1
SC 6 (1014)	591,796.802	2,565,602.127	IRON PIN W/ ALUMINUM CAP	N. 1/4 Cor Sec 8-3-1
SC 7 (1018)	589,051.142	2,565,554.198	IRON PIN W/ ALUMINUM CAP	Ctr. of Sec 8-3-1
SC 8 (1021)	586,370.747	2,565,539.900	IRON PIN W/ ALUMINUM CAP	N. 1/4 Cor Sec 17-3-1
SC 9 (1040)	583,661.533	2,565,499.787	IRON PIN	Ctr. of Sec 17-3-1
SC 10 (1025)	580,968.501	2,565,474.561	IRON PIN W/ ALUMINUM CAP	N. 1/4 Cor Sec 20-3-1
SC 11 (1027)	578,268.113	2,565,422.465	IRON PIN W/ ALUMINUM CAP	Ctr. of Sec 20-3-1
SC 12 (1030)	575,574.281	2,565,384.763	IRON PIN W/ ALUMINUM CAP	N. 1/4 Cor Sec 29-3-1
SC 13 (1032)	572,897.433	2,565,399.512	IRON PIN W/ ALUMINUM CAP	Ctr. of Sec 29-3-1
SC 14 (1033)	567,499.993	2,565,409.725	IRON PIN	Ctr. of Sec 32-3-1
SC 15 (1035)	564,816.227	2,565,409.988	MAGNAIL	S. 1/4 Cor Sec 32-3-1



CONTROL POINT / SECTION CORNER MAP  
 NOT TO SCALE

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 PLOT DATE: 1/12/2012



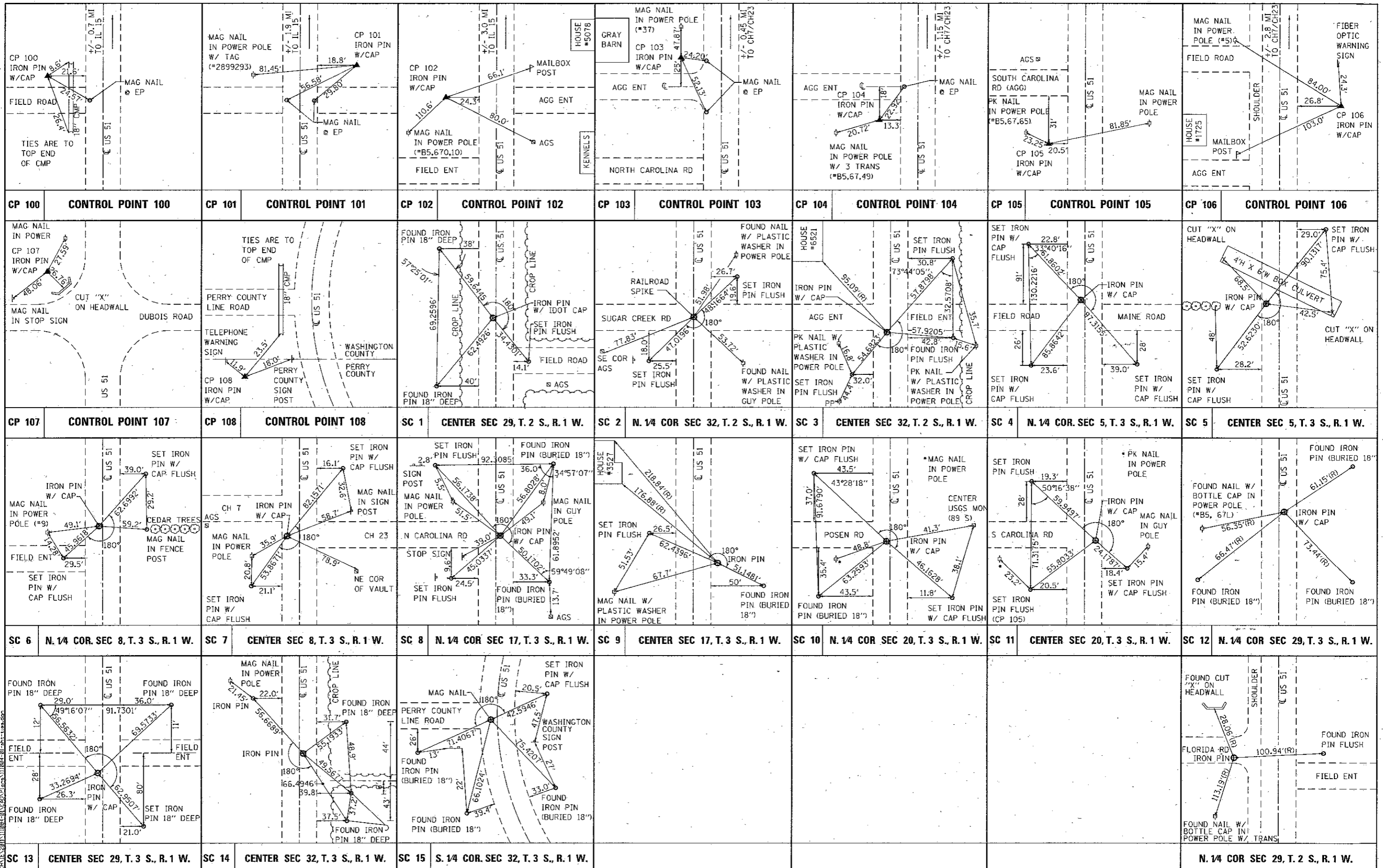
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PRINTER =	DRAWN - IDOT DB	REVISED -
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PLOT DATE = 1/12/2012	DATE - 01/13/2012	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SURVEY MONUMENTS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(7, 8)RS-2	WASHINGTON	15	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E91	



DRIVER: I:\Bentley\GIS\Projects\11001\11001.DOT.pdf...  
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USER NAME = jlf1  
 DESIGNED - IDOT D8  
 REVISED -  
 PRINTER =  
 DRAWN - IDOT D8  
 REVISED -  
 PLOT SCALE = 100.0000' / in.  
 CHECKED - IDOT D8  
 REVISED -  
 PLOT DATE = 1/12/2012  
 DATE - 01/13/2012  
 REVISED -

DESIGNED - IDOT D8  
 DRAWN - IDOT D8  
 CHECKED - IDOT D8  
 DATE - 01/13/2012

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

**SURVEY MONUMENTS**

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

F.A.P. RTE. 322	SECTION 17, BIRS-2	COUNTY WASHINGTON	TOTAL SHEETS 15	SHEET NO. 15
CONTRACT NO. 76E91				
ILLINOIS FED. AID PROJECT				