

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED  
FEDERAL AID SECONDARY PROJECT

FAS ROUTE 798  
SECTION 92-00063-01-RS  
PROJECT NO. RS-798(110)  
C-97-031-08  
CLAY COUNTY

ROUTE	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
FAS 798	92-00063-01-RS	CLAY	1	11
FEDERAL ROAD DISTRICT 7	ILLINOIS	FEDERAL AID PROJ.		
CONTRACT NO. 95551				

INDEX OF SHEETS

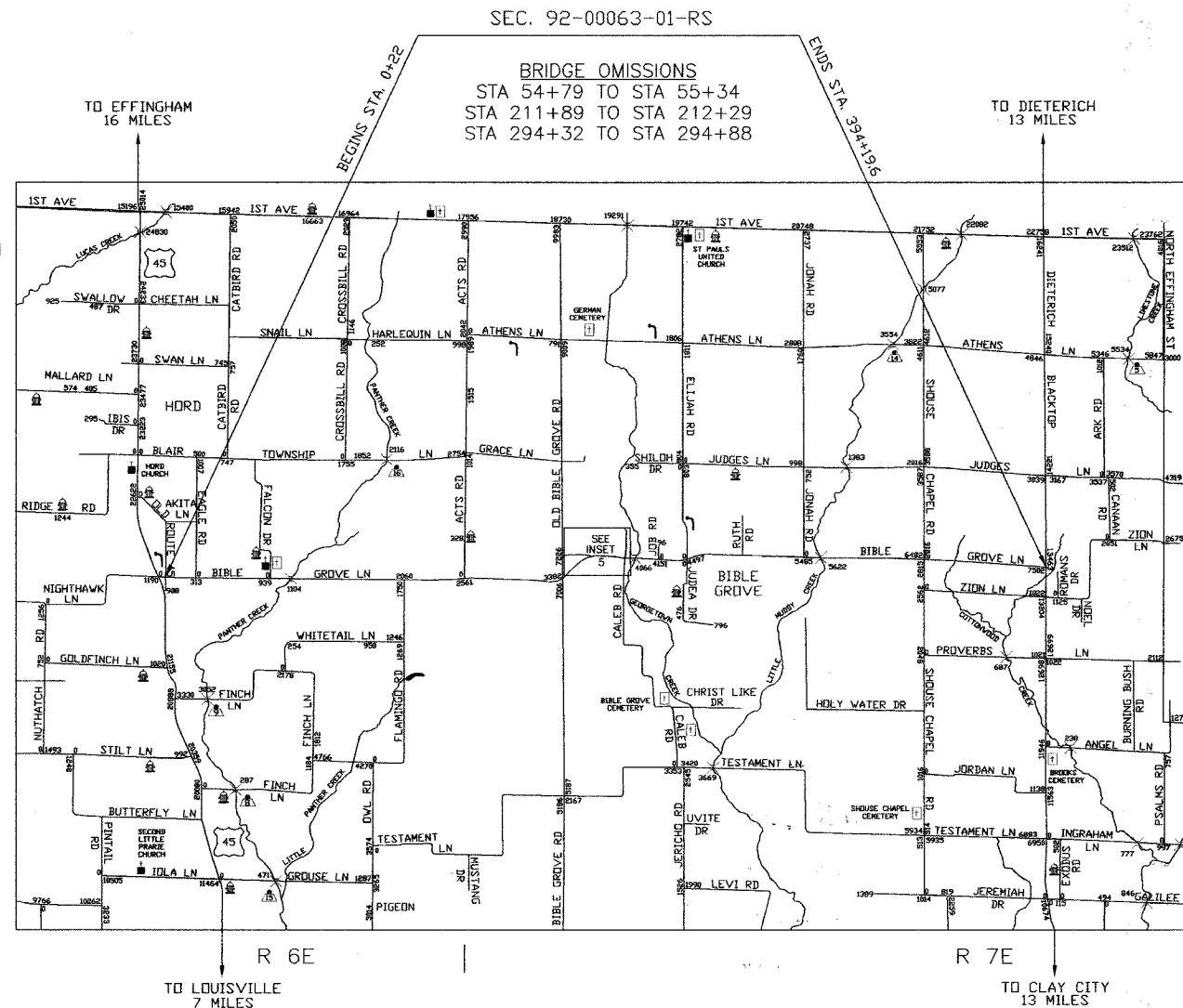
SHEET NO.	TITLE
1	COVER SHEET
2	SUMMARY OF QUANTITIES
3	TYPICAL SECTIONS
4	SURFACE REMOVAL DETAILS
5	PCC PAVEMENT DETAILS
6	INTERSECTION DETAILS
7	ENTRANCE DETAILS / PAINT PAVEMENT MARKING
8	SAW JOINT DETAILS
9	TRAFFIC CONTROL PLAN
10	TRAFFIC CONTROL PLAN
11	TRAFFIC CONTROL PLAN

STANDARDS

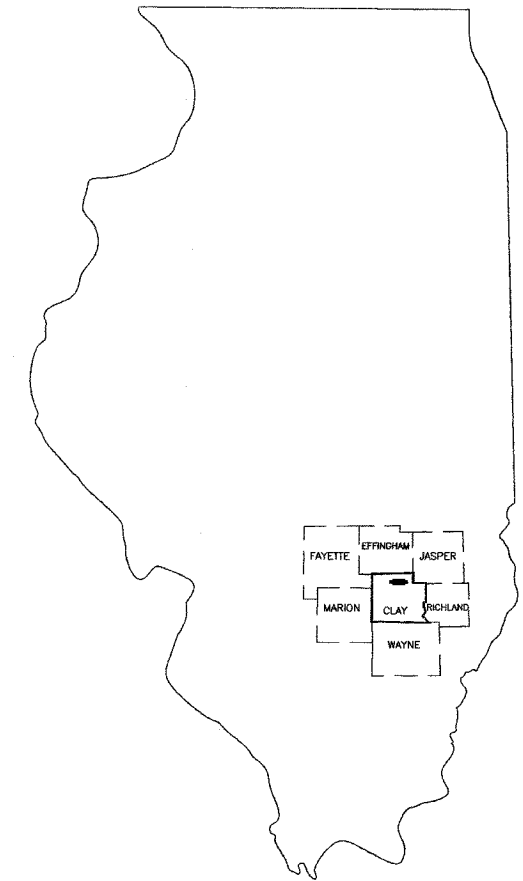
542301-01	PRECAST REINFORCED CONCRETE FLARED END SECTION
606001-03	CURB & COMB. CURB & GUTTER
701006-02	TRAFFIC CONTROL
701011-01	TRAFFIC CONTROL
701301-02	TRAFFIC CONTROL
701306-01	TRAFFIC CONTROL
701311-02	TRAFFIC CONTROL
701901	TRAFFIC CONTROL DEVICES
780001-01	PAVEMENT MARKINGS
BLR21-7	TRAFFIC CONTROL
BLR22-5	TRAFFIC CONTROL

DESIGN CLASS: RURAL MAJOR COLLECTOR  
ADT : 550  
DESIGN SPEED = 40 MPH  
J.U.L.I.E. 1-800-892-0123

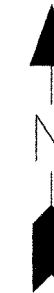
T 5N



SECTION 92-00063-01-RS  
TOTAL LENGTH = 39,397.6 FT OR 7.462 MI  
OMMISSION LENGTH = 151.0 FT OR 0.029 MI  
NET LENGTH = 39,246.6 FT OR 7.433 MI



LOCATION OF PROJECT INDICATED THUS:



ERIC T. SEIBRING  
ILLINOIS LICENSED PROFESSIONAL ENGINEER  
NO. 062-055824



LICENSE EXPIRES 11-30-09

CLAY COUNTY HIGHWAY DEPARTMENT  
14464 HIGHWAY 45 SOUTH  
LOUISVILLE, IL 62858

APPROVED April 3, 2008

CLAY COUNTY ENGINEER

PASSED 4-8, 2008

DISTRICT SEVEN ENGINEER OF  
LOCAL ROADS & STREETS

RELEASING FOR  
BID BASED ON  
LIMITED REVIEW

4-8, 2008

DEPUTY DIRECTOR OF HIGHWAYS,  
REGION FOUR ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
FAS 79B	92-00063-01-RS	CLAY	2	11
FEDERAL ROAD DISTRICT 7		ILLINOIS	FEDERAL AID PROJ.	
CONTRACT NO. 95551				

### GENERAL NOTES

- 1) THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007.
- 2) AT LEAST 48 HOURS BEFORE ANY EXCAVATING, CALL J.U.L.I.E. 1-800-892-0123 FOR UTILITY LOCATION INFORMATION.
- 3) FACTORS USED FOR QUANTITY CALCULATIONS ARE AS FOLLOWS:  
AGGREGATE SURFACE COURSE 2.1 TONS / CU YD
- 4) THE COMMERCIAL ENTRANCE TO THE NCFPD FIRE HOUSE IS LOCATED FROM 197+40 LT TO 197+94 LT. THE CONTRACTOR SHALL SCHEDULE POURS SO THAT EMERGENCY ACCESS TO AND FROM THE FIRE HOUSE CAN BE MAINTAINED AT ALL TIMES.
- 5) TRANSVERSE CONSTRUCTION JOINTS SHALL REQUIRE #5 SMOOTH BARS 18" LONG AT 12" CENTERS. IT IS ANTICIPATED THAT TRANSVERSE CONSTRUCTION JOINTS WILL BE REQUIRED AT THE END OF EACH DAYS POUR AND AT BLOCKOUTS FOR ACCESS TO DRIVEWAYS AND SIDEROADS.

### UTILITIES

(FOR INFORMATION ONLY)

AMEREN CIPS  
1800 FORD AVENUE  
EFFINGHAM, IL 62401  
217-347-3141

TRUNKLINE GAS COMPANY  
R.R. 1  
JOHNSONVILLE, IL 62850  
618-835-2251

FARM BUREAU OIL COMPANY  
1200 REFINERY RD  
MT. VERNON, IN. 47620  
812-838-8513

WABASH TELEPHONE COOP.  
210 S. CHURCH ST.  
LOUISVILLE, IL 62858  
618-665-3311

EJ WATER COOP.  
P.O. BOX. 8  
DIETERICH, IL. 62424  
217-925-5566

CLAY ELECTRIC COOP  
7784 OLD HWY 50  
FLORA, IL. 62839  
618-662-2171

### SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	QUANTITY
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	331.5
* 50105225	PIPE CULVERT REMOVAL (SPECIAL)	FOOT	16
54200433	PIPE CULVERTS, TYPE 1 RCCP 18"	FOOT	72
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1
54216930	REINFORCED CONCRETE PIPE TEE, 18" PIPE WITH 18" RISER	EACH	1
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	10
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	26
67100100	MOBILIZATION	L SUM	1
* 70100460	TRAFFIC CONTROL AND PROTECTION STANDARD 701306	L SUM	1
* 70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
Δ * 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	29,794
Δ 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	121
Δ 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	58
Δ 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	11
78300100	PAVEMENT MARKING REMOVAL	SQ FT	69
* X0324742	SURFACE REMOVAL 2", SPECIAL	SQ YD	96,782
* XX005348	AGGREGATE SHOULDERS (SPECIAL)	FOOT	73,024
Z0055300	RUMBLE STRIP	EACH	3
* XX007371	PORTLAND CEMENT CONCRETE PAVEMENT, FURNISHED	CU YD	14,912
* XX007372	PORTLAND CEMENT CONCRETE PAVEMENT, 5", PLACEMENT	SQ YD	54,852
* XX007373	PORTLAND CEMENT CONCRETE PAVEMENT, 6", PLACEMENT	SQ YD	40,759
* XX007374	PORTLAND CEMENT CONCRETE PAVEMENT, 7", PLACEMENT	SQ YD	1,277
* XX007375	PORTLAND CEMENT CONCRETE PAVEMENT, 8", PLACEMENT	SQ YD	757

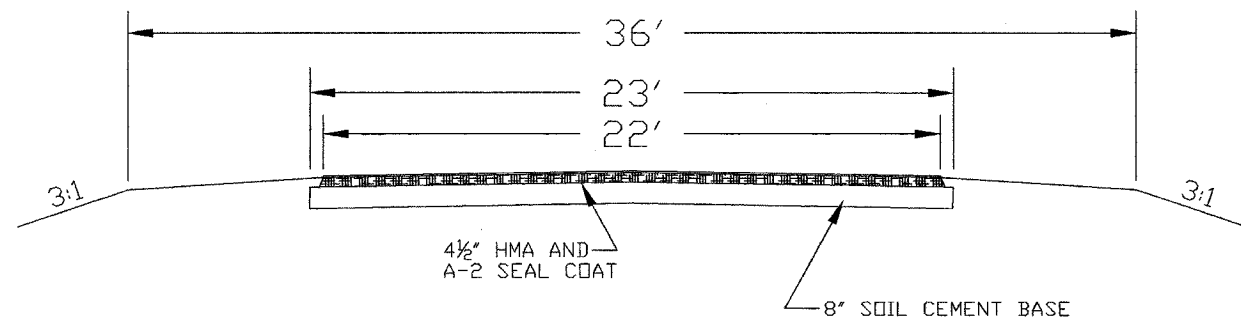
\* SEE SPECIAL PROVISIONS

Δ SPECIALTY ITEMS

ROUTE	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
FAS 798	92-00063-01-RS	CLAY	3	11
FEDERAL ROAD DISTRICT 7		ILLINOIS	FEDERAL AID PROJ.	
CONTRACT NO. 95551				

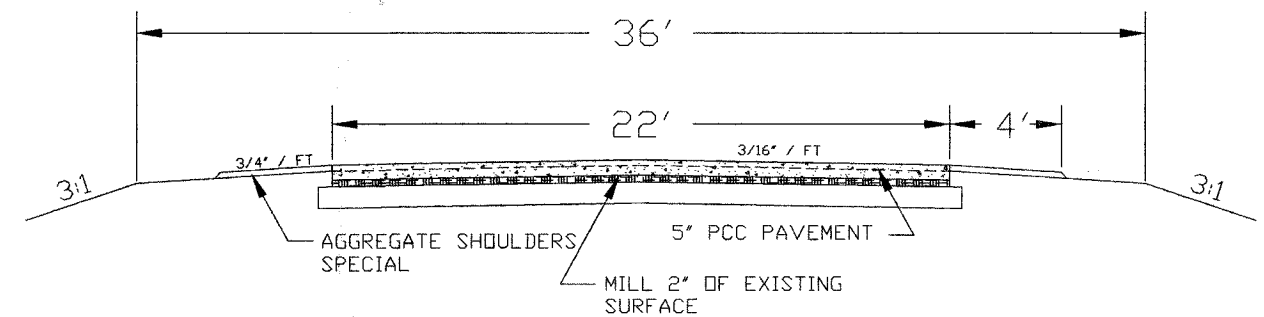
### TYPICAL EXISTING CROSS SECTIONS

STA 0+22 TO STA 195+50  
STA 218+20 TO STA 228+81

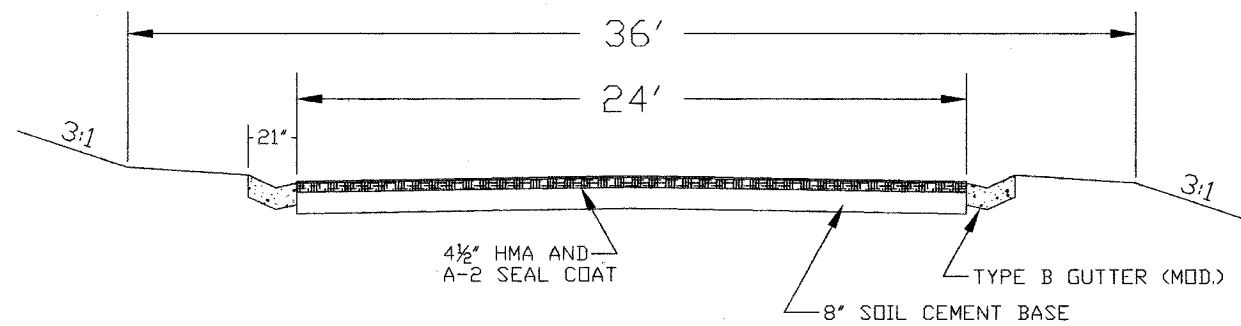


### TYPICAL PROPOSED CROSS SECTIONS

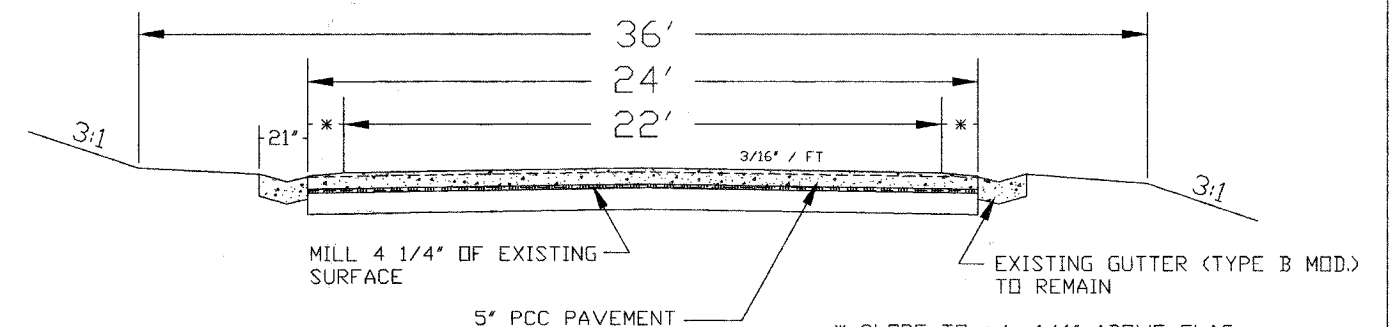
STA 0+22 TO STA 195+50  
STA 218+20 TO STA 225+00



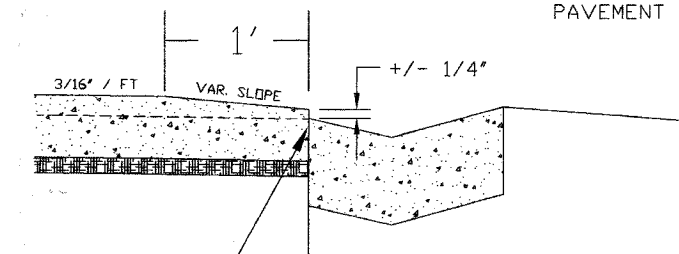
STA 195+50 TO STA 218+20



STA 195+50 TO STA 218+20

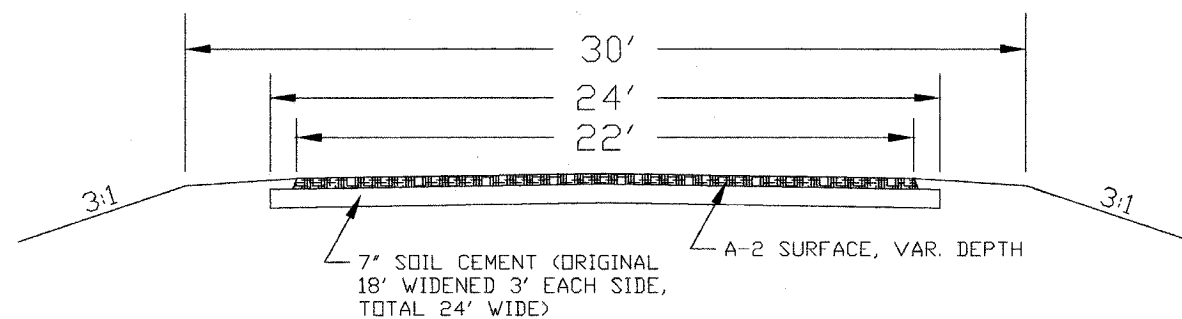


\* SLOPE TO +/- 1/4" ABOVE FLAG OF EXISTING GUTTER @ EDGE OF PAVEMENT (SEE DETAIL BELOW)

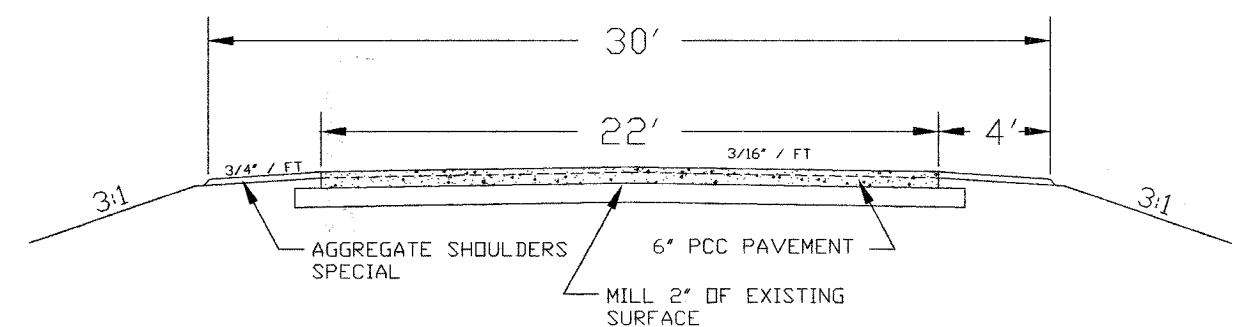


DOUBLE COAT CURING COMPOUND APPLIED TO VERTICAL FACE OF CONCRETE CURB

STA 228+81 TO STA 394+19.6

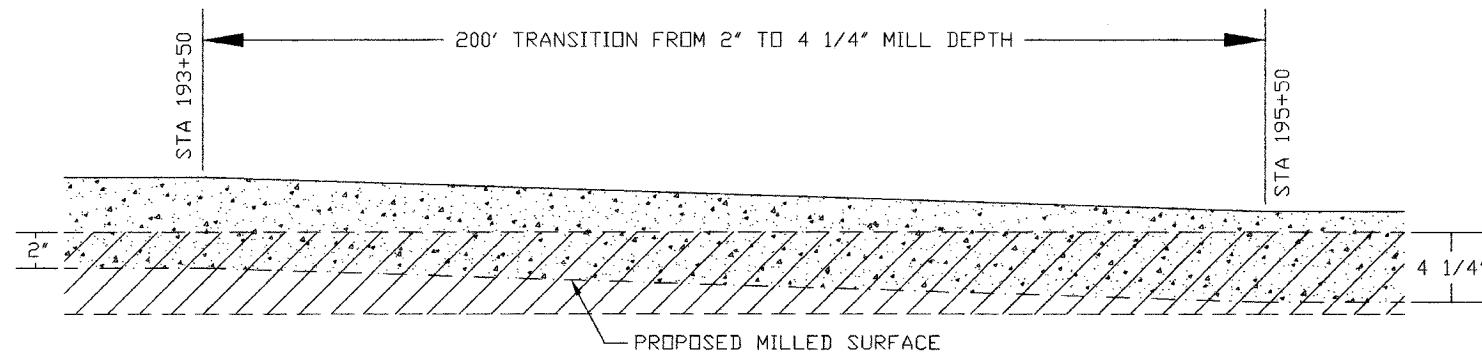


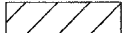

STA 225+00 TO STA 393+00



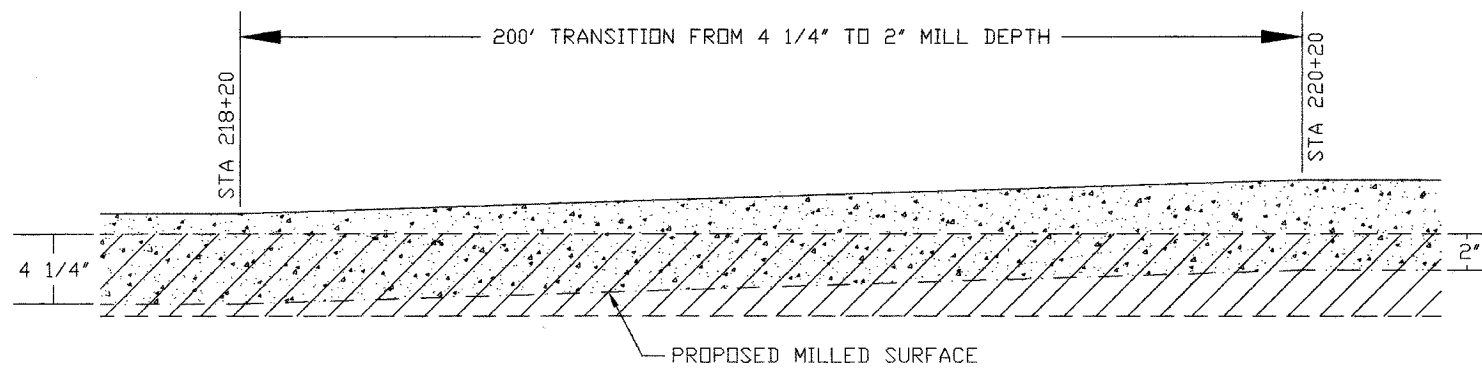
# SURFACE REMOVAL TRANSITION DETAILS

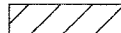

STA 193+50 TO STA 195+50



-  EXISTING HMA W/ A-2 SEAL COAT
-  PROPOSED PCC PAVEMENT 5"

STA 218+20 TO STA 220+20

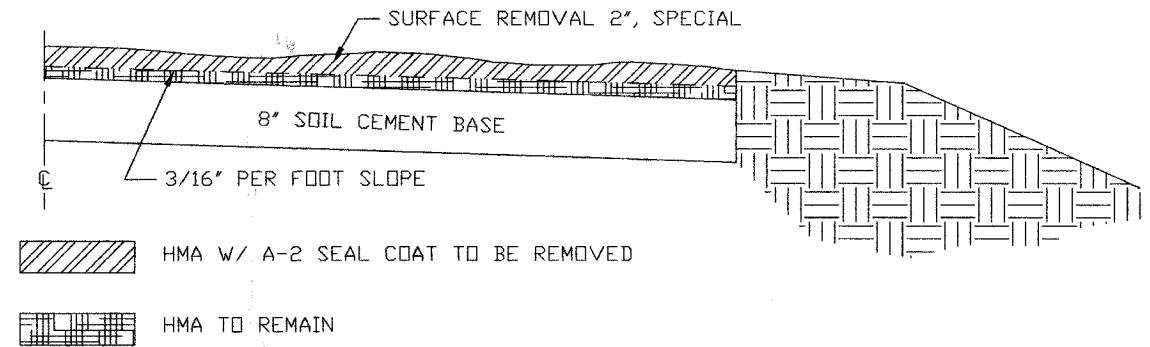


-  EXISTING HMA W/ A-2 SEAL COAT
-  PROPOSED PCC PAVEMENT 5"

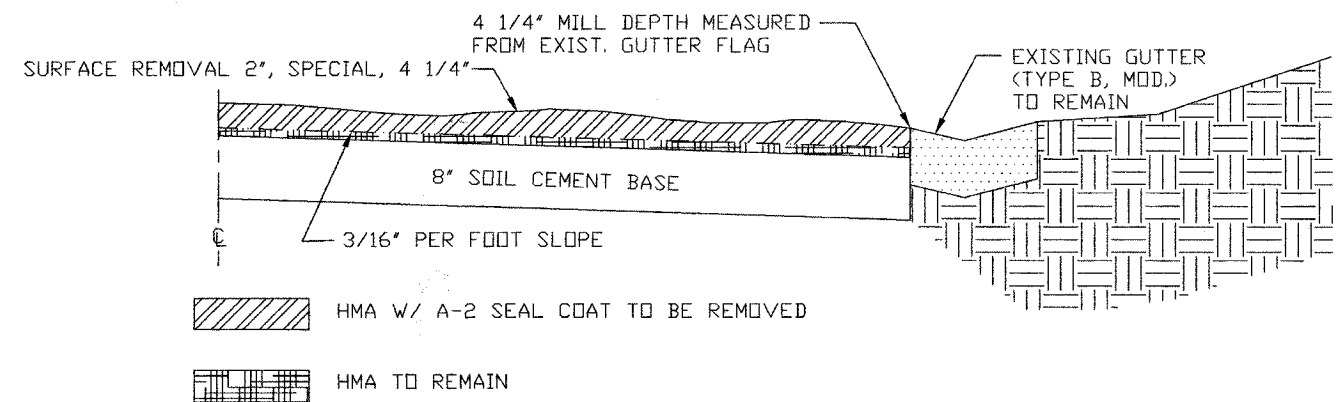
# SURFACE REMOVAL TYPICAL SECTIONS

ROUTE	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
FAS 798	92-00063-01-RS	CLAY	4	11
FEDERAL ROAD DISTRICT 7		ILLINOIS	FEDERAL AID PROJ.	
CONTRACT NO. 95551				

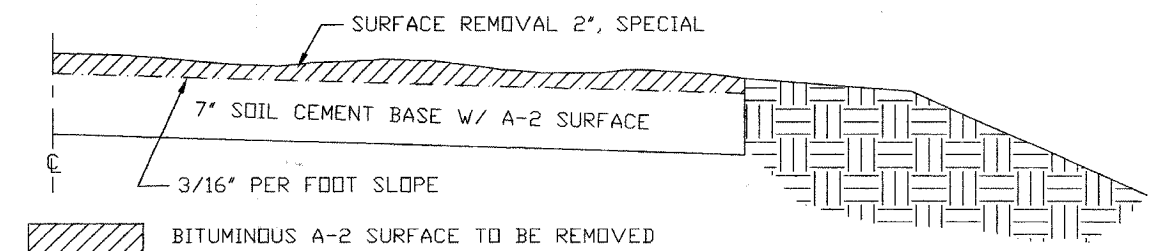
STA 0+22 TO STA 195+50  
STA 218+20 TO STA 228+81



STA 195+50 TO STA 218+20



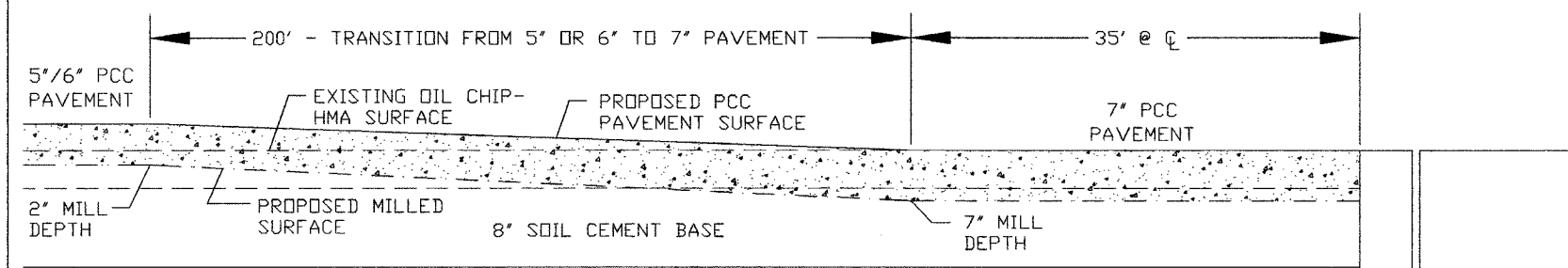
STA 228+81 TO STA 394+19.6



NOTE: SQUARE YARDAGE OF SURFACE REMOVAL WAS CALCULATED USING THE WIDTH OF THE PROPOSED SURFACE, ANY ADDITIONAL REMOVAL NEEDED FOR PROPER OPERATION OF PAVING EQUIPMENT WILL BE THE CONTRACTORS RESPONSIBILITY AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

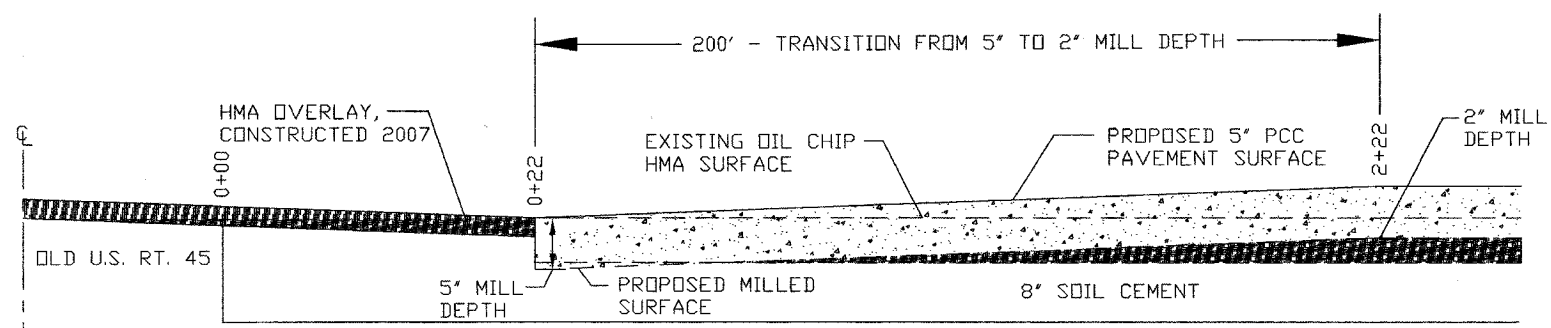
ROUTE	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
FAS 798	92-00063-01-RS	CLAY	5	11
FEDERAL ROAD DISTRICT 7		ILLINDIS	FEDERAL AID PROJ.	
CONTRACT NO. 95551				

### DETAIL OF TRANSITION TO 7" PCC PAVEMENT @ BRIDGE APPROACHES

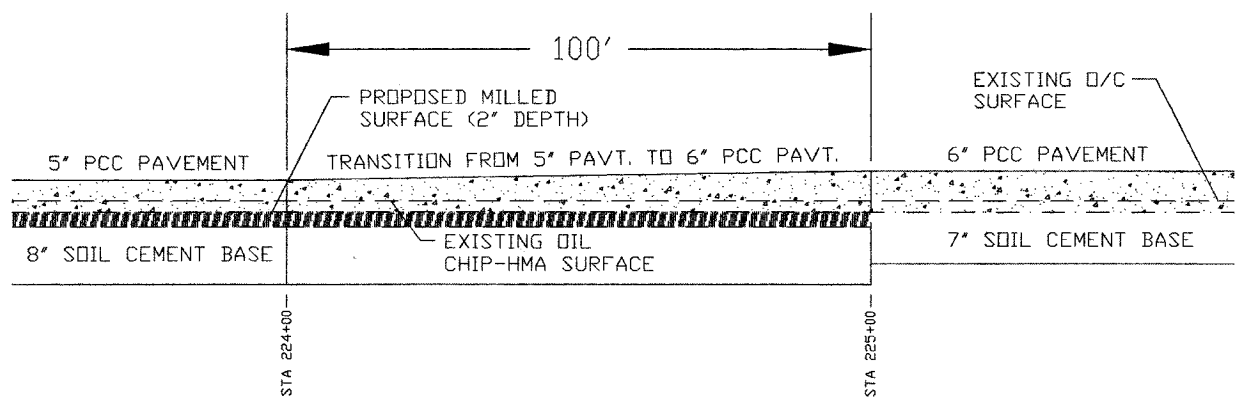


BRIDGE LOCATIONS - 2 APPROACHES EACH  
 STA. 55+07, STRUCTURE 013-3164  
 STA. 212+29, STRUCTURE 013-3165  
 STA. 294+60, STRUCTURE 013-3007

### DETAIL OF TRANSITION FROM OLD U.S. 45 TO 5" PCC PAVEMENT



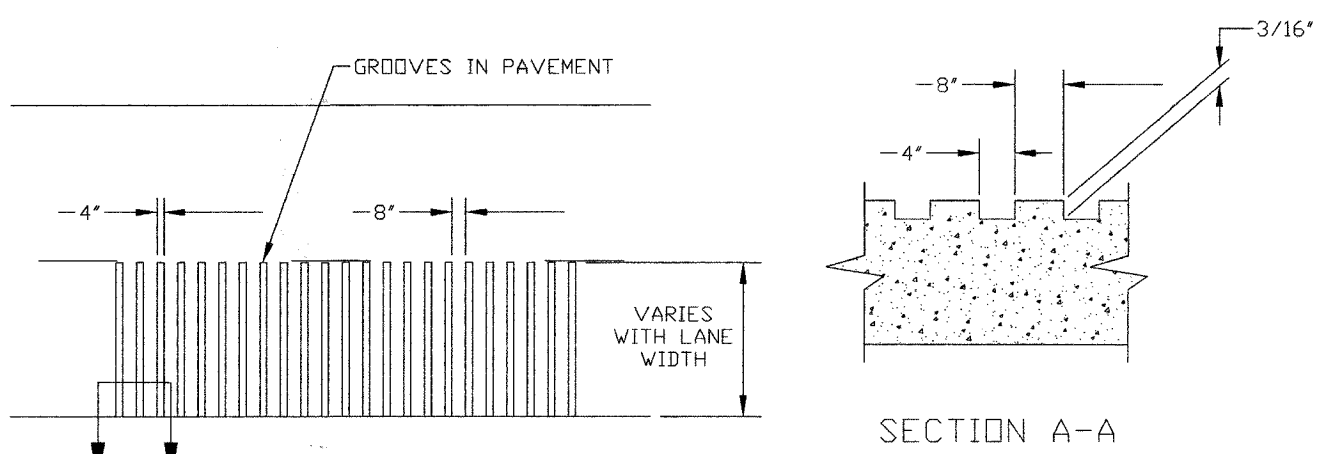
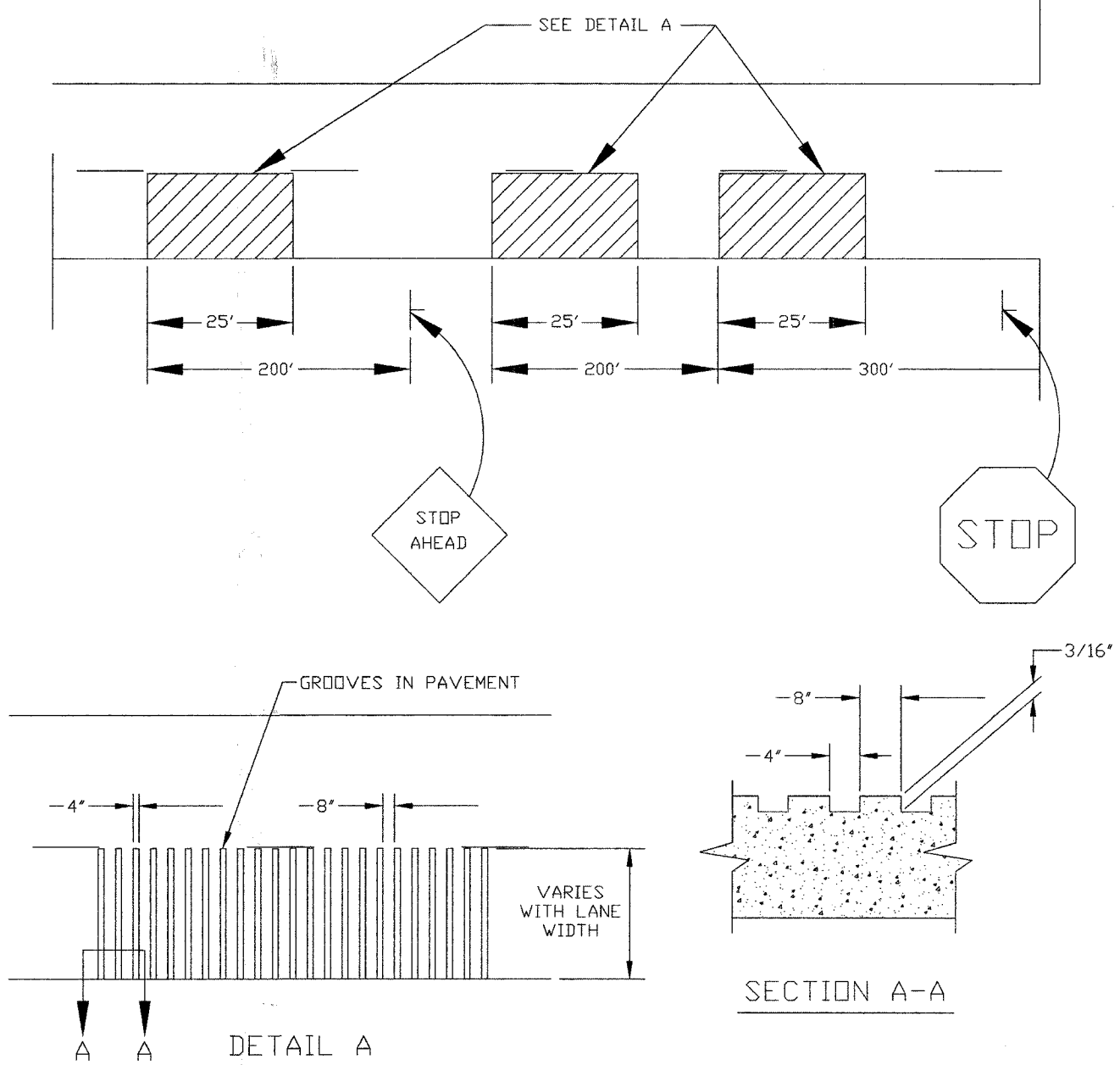
### DETAIL OF TRANSITION FROM 5" TO 6" PCC PAVEMENT



### RUMBLE STRIP DETAILS

#### LOCATIONS

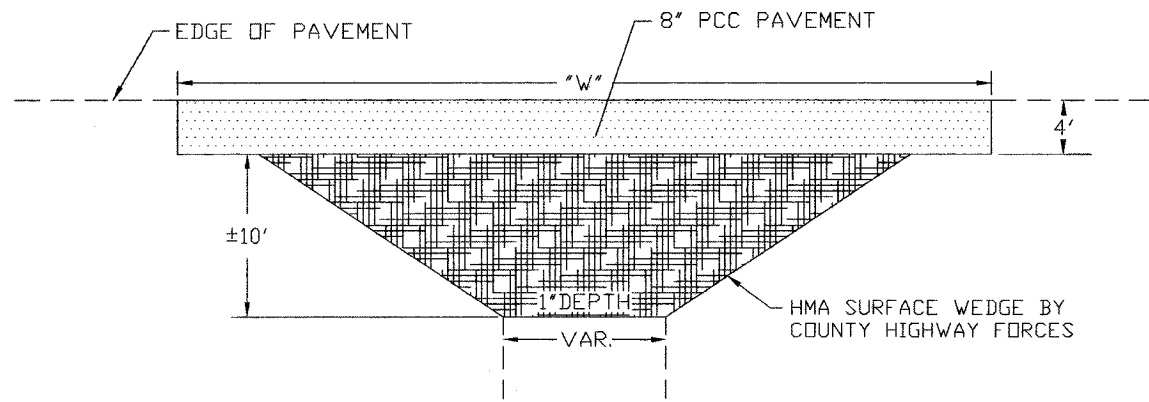
INTERSECTION @ F.A.P. 828 (DIETERICH / CLAY CITY BLACKTOP) - 3 EACH



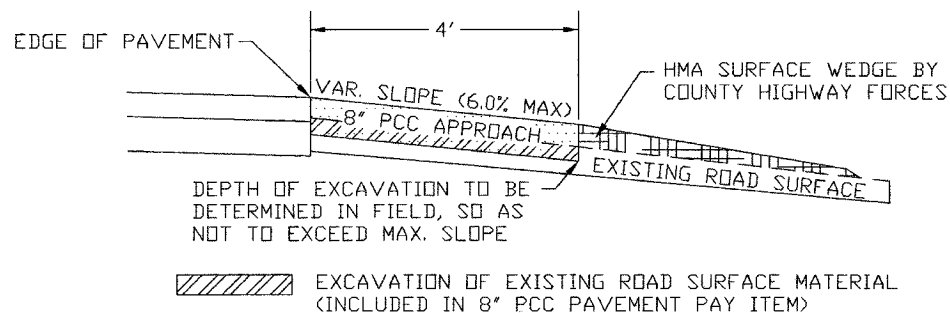
#### NOTES

- 1) ALL GROOVES SHALL BE CONSTRUCTED USING A 4" MILLING HEAD OR SERIES OF 4" MILLING HEADS CAPABLE OF CUTTING TO THE SPECIFIED DEPTH OR ANY VARIABLE DEPTH.
- 2) THIS WORK WILL BE MEASURED FOR PAYMENT PER EACH 25' INDIVIDUAL RUMBLE STRIP AND PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR RUMBLE STRIP, WHICH PRICE SHALL INCLUDE ALL EQUIPMENT, MATERIAL, LABOR AND OTHER ITEMS REQUIRED TO INSTALL EACH INDIVIDUAL RUMBLE STRIP.

# SIDE ROAD APPROACH DETAILS AND SCHEDULE

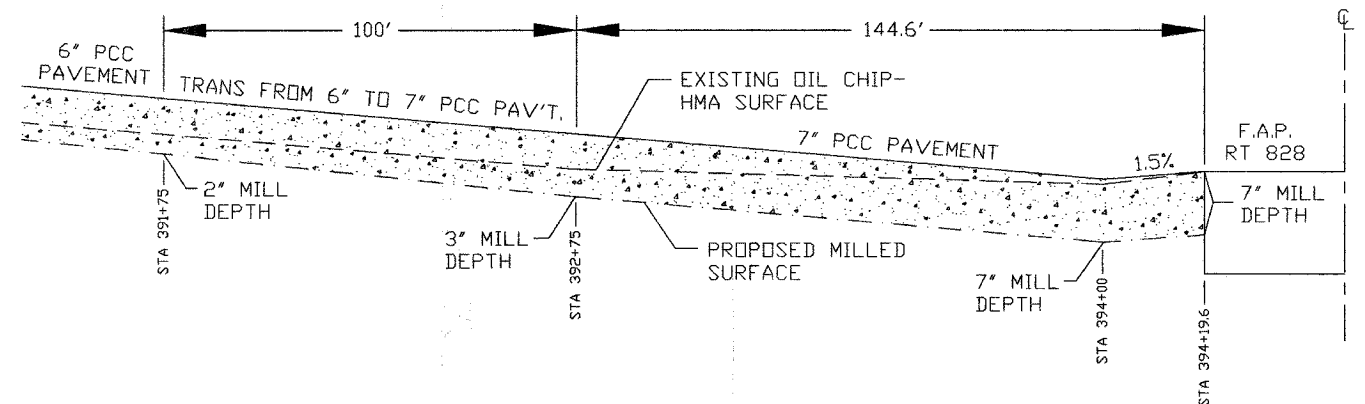
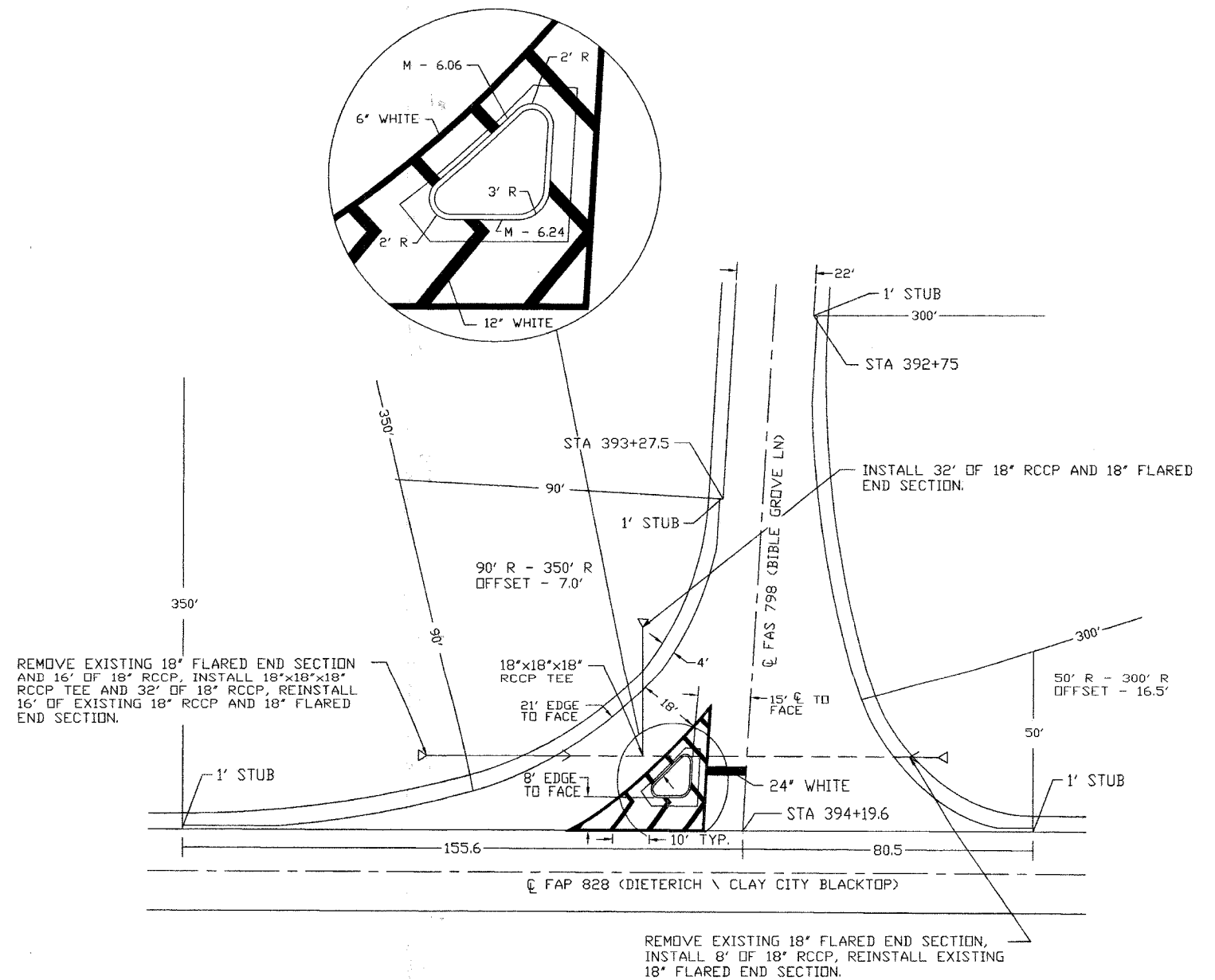


8" PCC PAVEMENT - SIDE ROAD APPROACHES			QUANTITY	
STATION	"W"	DESCRIPTION	SQ. YD.	CU. YD.
13+12 LT	78'	EAGLE RD - TR 190A	34.7	7.7
46+36 LT	78'	FALCON DR - TR 192	34.7	7.7
105+81 RT	78'	WHITETAIL LN - TR 200	34.7	7.7
132+37 LT	78'	ACTS RD TR - 220	34.7	7.7
175+88 LT	110'	OLD BIBLE GROVE RD - CH 2	48.9	10.9
175+88 RT	110'	OLD BIBLE GROVE RD - CH 2	48.9	10.9
192+75 LT	78'	ANTIOCH LN - TR 43A	34.7	7.7
196+24 LT	78'	APOSTLE RD - TR 600	34.7	7.7
201+68 LT	78'	ARARAT RD - TR 606	34.7	7.7
204+50 RT	78'	LUKE RD - TR 608	34.7	7.7
204+63 LT	78'	EDEN RD - TR 608	34.7	7.7
207+75 RT	78'	CALEB RD - TR 234	34.7	7.7
207+81 LT	78'	CALEB RD - TR 234	34.7	7.7
216+60 LT	78'	JOB DR - TR 610	34.7	7.7
235+00 LT	78'	ELIJAH RD - TR 234	34.7	7.7
235+00 RT	78'	JUDEA DR - TR 236	34.7	7.7
260+56 LT	78'	RUTH DR - TR 240	34.7	7.7
287+26 LT	78'	JONAH RD - TR 272	34.7	7.7
287+26 RT	78'	JONAH RD - TR 272	34.7	7.7
340+21 LT	78'	SHOUSE CHAPEL RD - TR 316	34.7	7.7
340+21 RT	78'	SHOUSE CHAPEL RD - TR 316	34.7	7.7
TOTAL			757.1	168.1



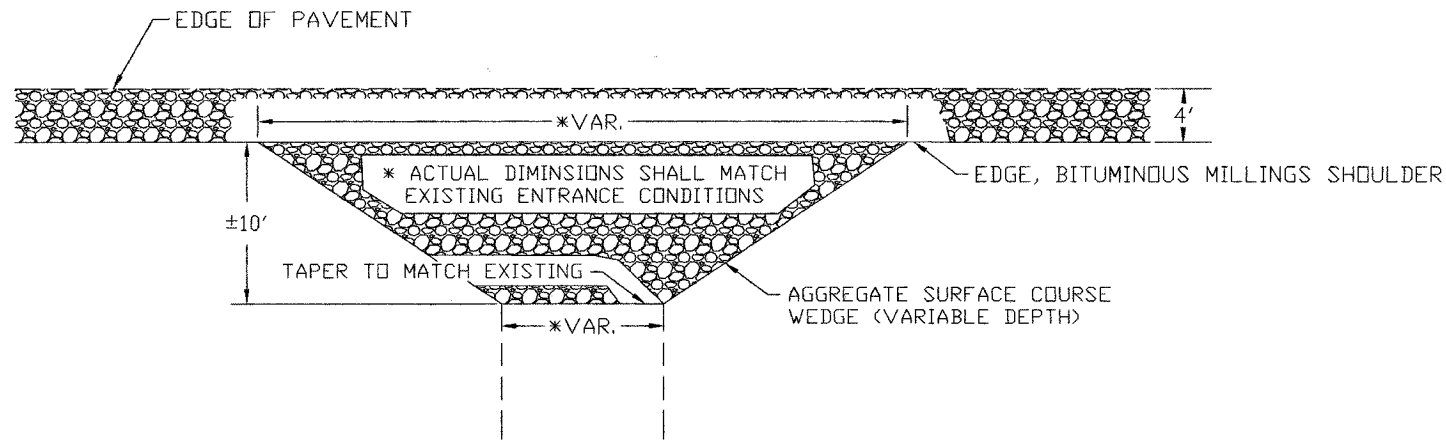
# DETAILS OF INTERSECTION OF CH #8 & F.A.P. ROUTE 828

ROUTE	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
FAS 798	92-00063-01-RS	CLAY	6	11
FEDERAL ROAD DISTRICT 7	ILLINOIS	FEDERAL AID PROJ.		
CONTRACT NO.				

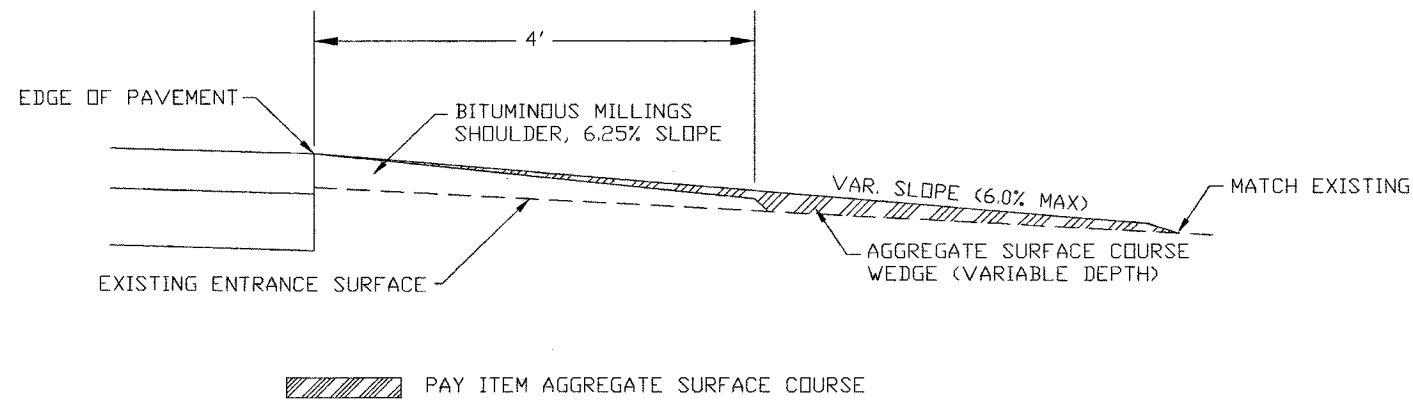


ROUTE	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
FAS 798	92-00063-01-RS	CLAY	7	11
FEDERAL ROAD DISTRICT 7		ILLINOIS	FEDERAL AID PROJ.	
CONTRACT NO. 95551				

### AGGREGATE ENTRANCE DETAIL



### AGGREGATE ENTRANCE CROSS-SECTION



### ENTRANCE SCHEDULE

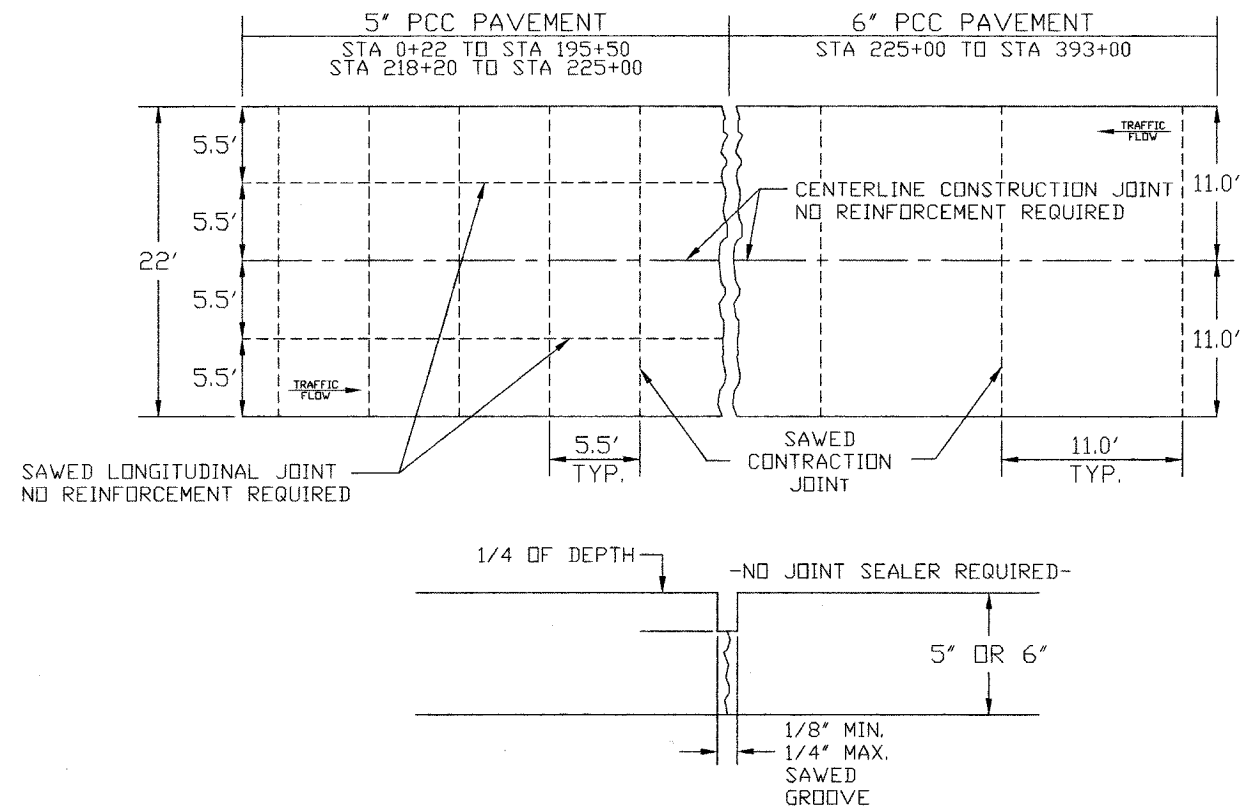
STATION	TYPE	TONS	STATION	TYPE	TONS	STATION	TYPE	TONS	
2+87 LT	FE	3.4	105+75 LT	PE	2.8	226+98 RT	FE	3.4	
6+06 RT	PE	3.4	109+75 RT	PE	3.4	227+32 RT	FE	2.8	
6+74 LT	FE	3.4	113+58 RT	PE	3.4	229+05 RT	PE	3.4	
7+02 RT	PE	2.8	116+81 RT	FE	3.4	231+76 RT	PE	3.4	
10+99 RT	FE	3.4	118+60 LT	FE	3.4	234+23 LT	PE	3.4	
11+27 LT	FE	3.4	123+62 RT	FE	3.4	247+00 LT	FE	2.8	
14+52 RT	PE	3.4	128+07 RT	FE	2.8	247+00 RT	FE	3.4	
17+56 LT	PE	3.4	129+00 RT	FE	2.8	253+87 LT	FE	3.4	
26+48 RT	PE	3.4	130+41 RT	FE	3.4	253+87 RT	FE	3.4	
26+61 LT	FE	3.4	135+43 RT	FE	3.4	260+66 RT	FE	3.4	
33+19 LT	FE	3.4	135+51 LT	FE	2.8	260+79 LT	PE	4.8	
33+83 RT	FE	3.4	140+46 RT	CE	3.4	273+78 RT	PE	3.4	
41+45 RT	PE	3.4	147+34 LT	PE	2.8	277+72 LT	FE	3.4	
48+16 RT	FE	2.8	148+29 RT	FE	3.4	280+51 RT	PE	4.8	
48+37 LT	PE	2.8	149+85 RT	FE	3.4	288+42 RT	CE	3.4	
52+96 RT	FE	3.4	155+00 LT	FE	3.4	289+16 RT	FE	3.4	
57+83 RT	PE	3.4	158+37 RT	FE	3.4	291+00 RT	FE	3.4	
61+67 LT	PE	2.8	158+52 LT	FE	3.4	304+00 LT	PE	3.4	
61+77 RT	FE	3.4	159+40 LT	FE	2.8	304+67 LT	FE	3.4	
63+33 LT	PE	3.4	160+79 LT	FE	4.8	310+61 LT	CE	3.4	
64+83 LT	PE	2.8	161+70 RT	FE	3.4	321+26 LT	FE	3.4	
65+41 LT	PE	2.8	170+72 RT	CE	3.4	321+45 RT	FE	2.8	
66+17 RT	FE	3.4	192+82 RT	FE	3.4	323+09 LT	FE	2.8	
66+70 RT	FE	6.1	193+54 LT	PE	4.8	323+41 RT	CE	4.8	
76+85 LT	FE	2.8	194+55 LT	PE	2.8	326+79 LT	PE	3.4	
76+95 RT	FE	2.8	218+53 LT	FE	2.8	327+03 RT	FE	3.4	
78+46 RT	FE	2.8	218+60 RT	PE	3.4	349+43 RT	FE	3.4	
79+25 LT	FE	3.4	219+92 LT	PE	2.8	359+00 LT	FE	4.8	
79+56 RT	FE	3.4	222+84 LT	PE	3.4	364+20 RT	FE	2.8	
87+11 LT	FE	3.4	223+44 RT	PE	2.8	374+08 LT	FE	4.8	
88+20 RT	FE	3.4	223+79 LT	CE	4.8	374+08 RT	FE	4.8	
99+01 LT	FE	2.8	225+01 LT	CE	4.8				
99+15 RT	FE	3.4	226+04 RT	PE	3.4				
								TOTAL	331.5

### PAINT PAVEMENT MARKING LINE - 4"

CENTERLINE (DASHED)		EASTBOUND NO PASSING		WESTBOUND NO PASSING	
STA. TO STA.	QUANTITY	STA. TO STA.	QUANTITY	STA. TO STA.	QUANTITY
0+22 TO 171+81	4,290 FT	0+22 TO 4+22	400 FT	9+19 TO 15+19	600 FT
217+00 TO 223+27	157 FT	55+90 TO 62+00	610 FT	65+95 TO 71+95	600 FT
226+81 TO 234+50	192 FT	162+03 TO 217+00	5,497 FT	171+81 TO 226+81	5,500 FT
240+97 TO 286+90	1,148 FT	223+27 TO 240+97	1,770 FT	234+50 TO 250+90	1,640 FT
287+70 TO 391+41	2,593 FT	260+20 TO 266+20	600 FT	269+00 TO 275+00	600 FT
		277+30 TO 287+70	1,040 FT	286+90 TO 297+02	1,012 FT
		380+96 TO 393+91	1,295 FT	391+41 TO 393+91	250 FT
TOTAL	8,380 FT	TOTAL	11,212 FT	TOTAL	10,202 FT

ROUTE	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
FAS 798	92-00063-01-RS	CLAY	8	11
FEDERAL ROAD DISTRICT 7	ILLINOIS	FEDERAL AID PROJ.		
CONTRACT NO. 95551				

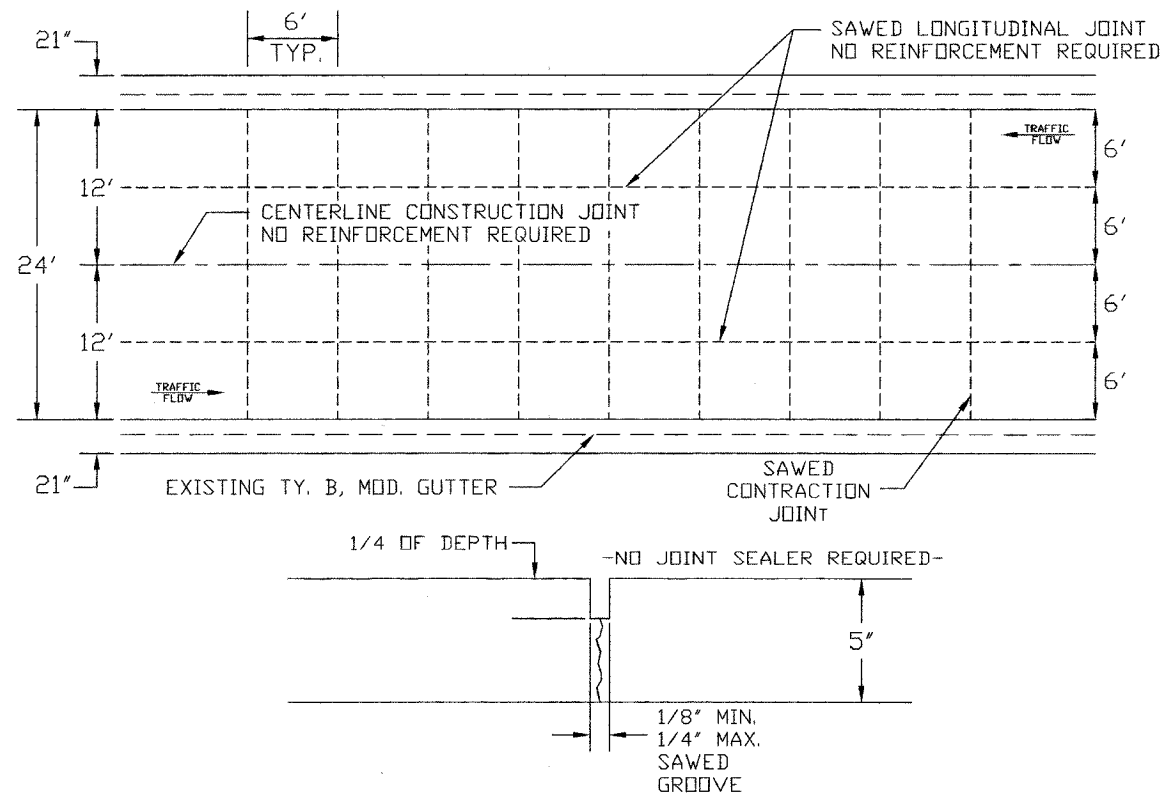
### CONTRACTION / CONSTRUCTION JOINTS



NOTE: TRANSITIONS IN PCC PAVEMENT THICKNESS SHALL BE SAW CUT TO MATCH THE SAW CUT DIMENSIONS OF THAT OF THE THINNEST OF THE TWO PAVEMENTS

### CONTRACTION / CONSTRUCTION JOINTS

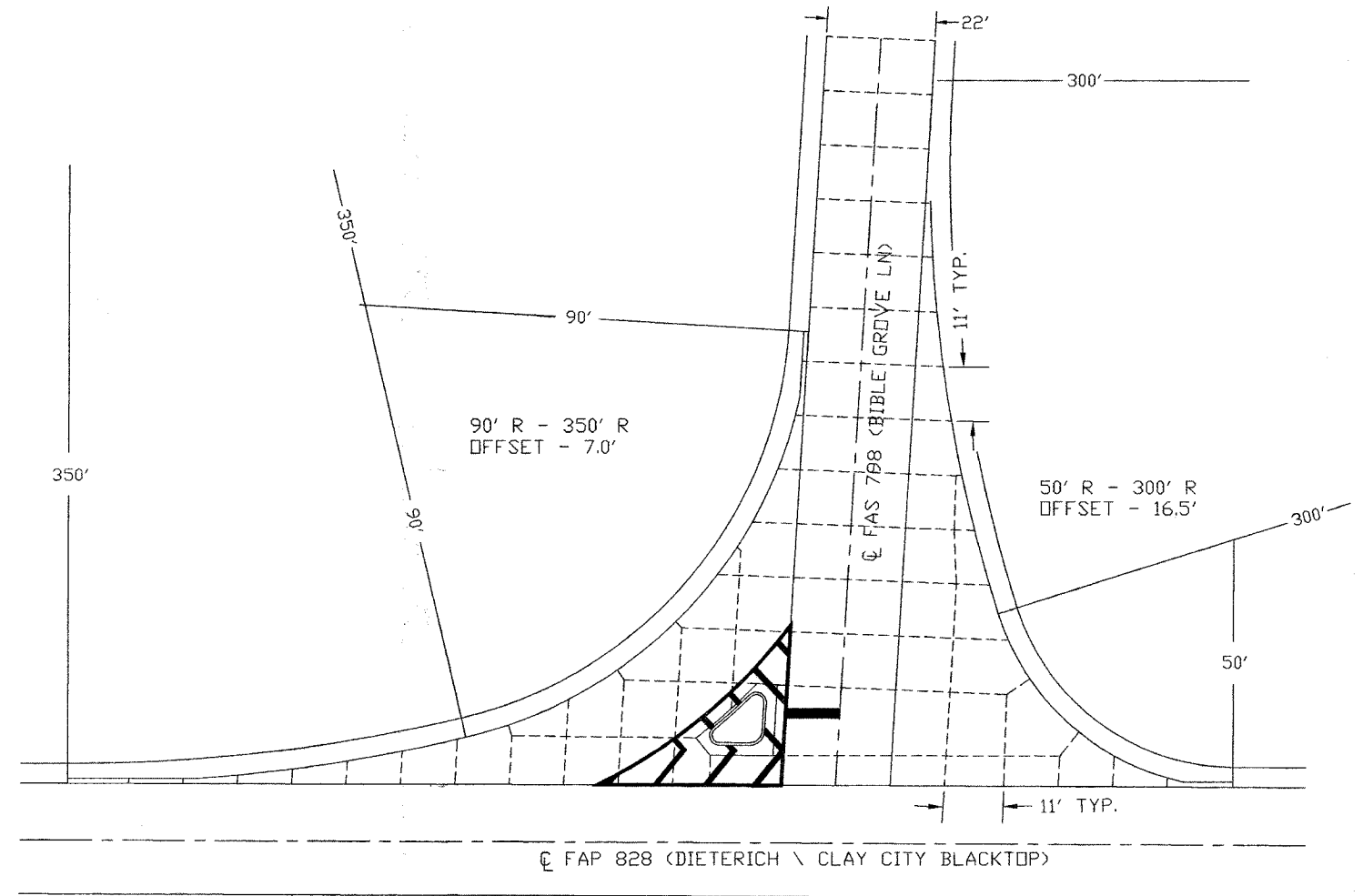
STA 195+50 TO STA 218+20



NOTE: TRANSITIONS IN PCC PAVEMENT THICKNESS SHALL BE SAW CUT TO MATCH THE SAW CUT DIMENSIONS OF THAT OF THE THINNEST OF THE TWO PAVEMENTS

### CONTRACTION / CONSTRUCTION JOINTS

INTERSECTION OF F.A.S. 798 (CH #8) AND  
F.A.P. 828 (DIETERICH-CLAY CITY BLACKTOP)

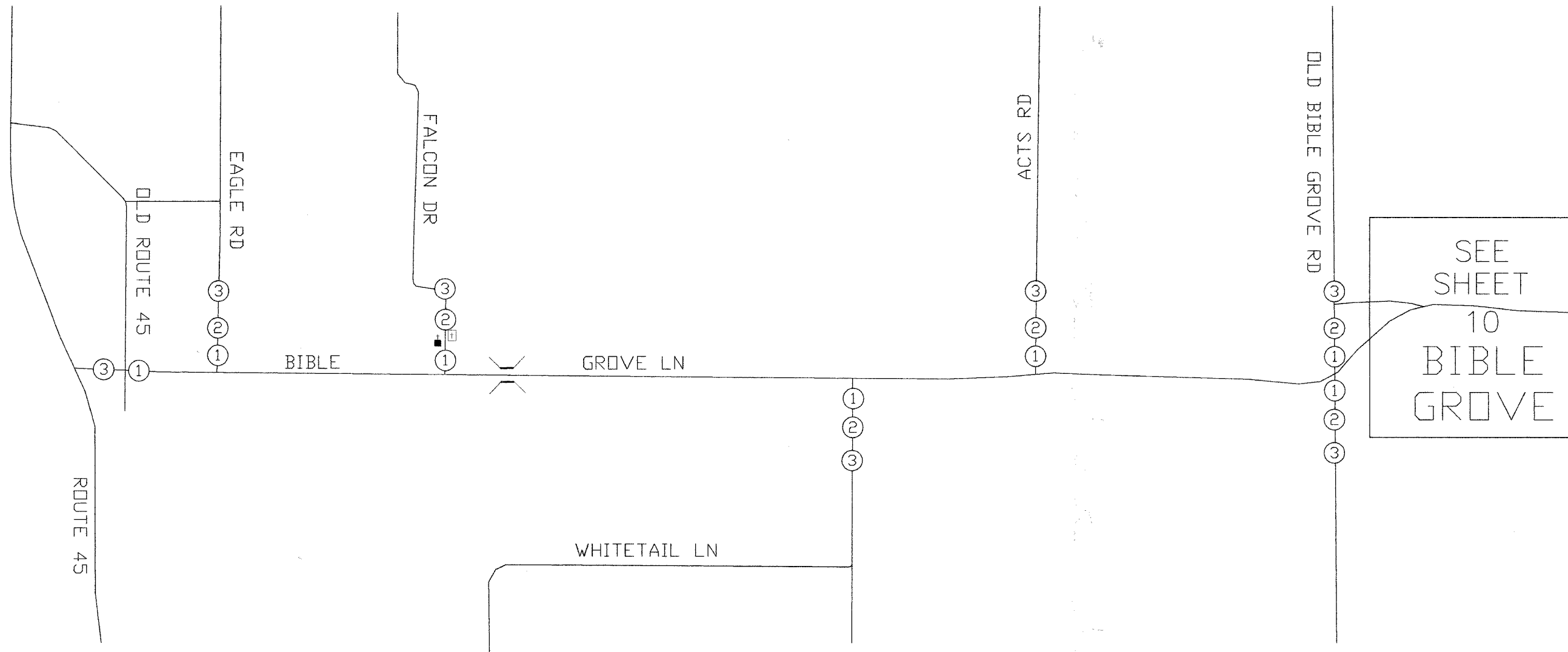


- NOTES:
- 1) ACTUAL LOCATION AND SIZE OF SAWED CONTRACTION JOINTS MAY BE ALTERED SLIGHTLY IN FIELD TO BETTER SUIT THE CONTRACTORS POUR SCHEDULE FOR CONSTRUCTING THE INTERSECTION.
  - 2) THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER AS TO THE LOCATION OF CONSTRUCTION JOINTS.
  - 3) #5 DEFORMED REBAR 30" LONG @ 30" CENTERS SHALL BE INSTALLED AT ALL LONGITUDINAL CONSTRUCTION JOINTS, EXCEPT THE CENTERLINE JOINT WHERE NO TIE BARS WILL BE REQUIRED.
  - 4) #5 SMOOTH BARS 18" LONG @ 12" CENTERS SHALL BE INSTALLED AT ALL TRANSVERSE CONSTRUCTION JOINTS



# TRAFFIC CONTROL PLAN - OLD U.S. RT 45 TO BIBLE GROVE

ROUTE	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
FAS 798	92-00063-01-RS	CLAY	9	11
FEDERAL ROAD DISTRICT 7	ILLINOIS	FEDERAL AID PROJ.		
CONTRACT NO. 95551				

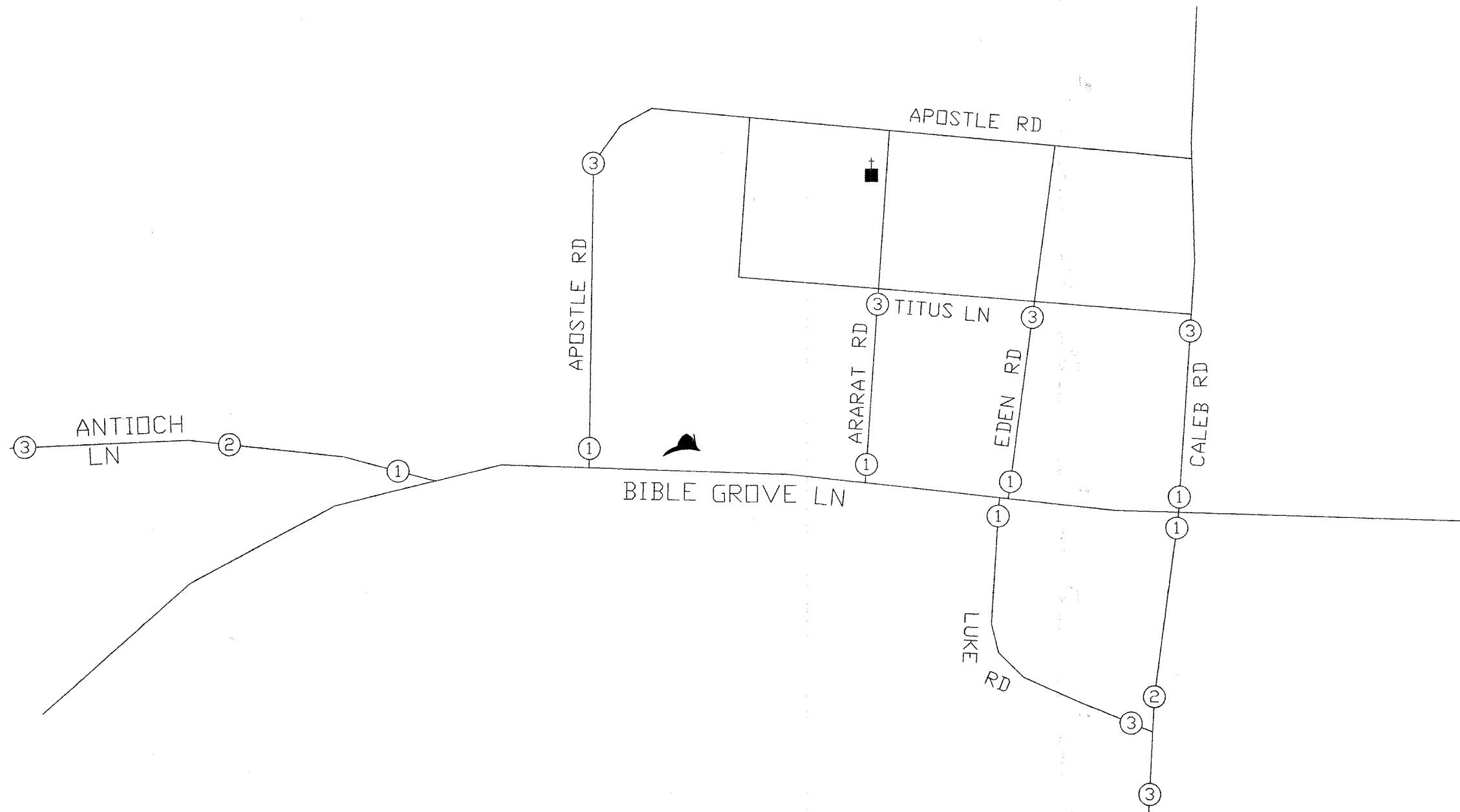


## LEGEND

- ① 2 - TYPE III BARICADES WITH ROAD CLOSED TO THRU TRAFFIC
- ② ROAD CLOSED 500 FEET
- ③ ROAD CLOSED AHEAD

# TRAFFIC CONTROL PLAN - BIBLE GROVE

ROUTE	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
FAS 798	92-00063-01-RS	CLAY	10	11
FEDERAL ROAD DISTRICT 7		ILLINOIS	FEDERAL AID PROJ.	
CONTRACT NO. 95551				

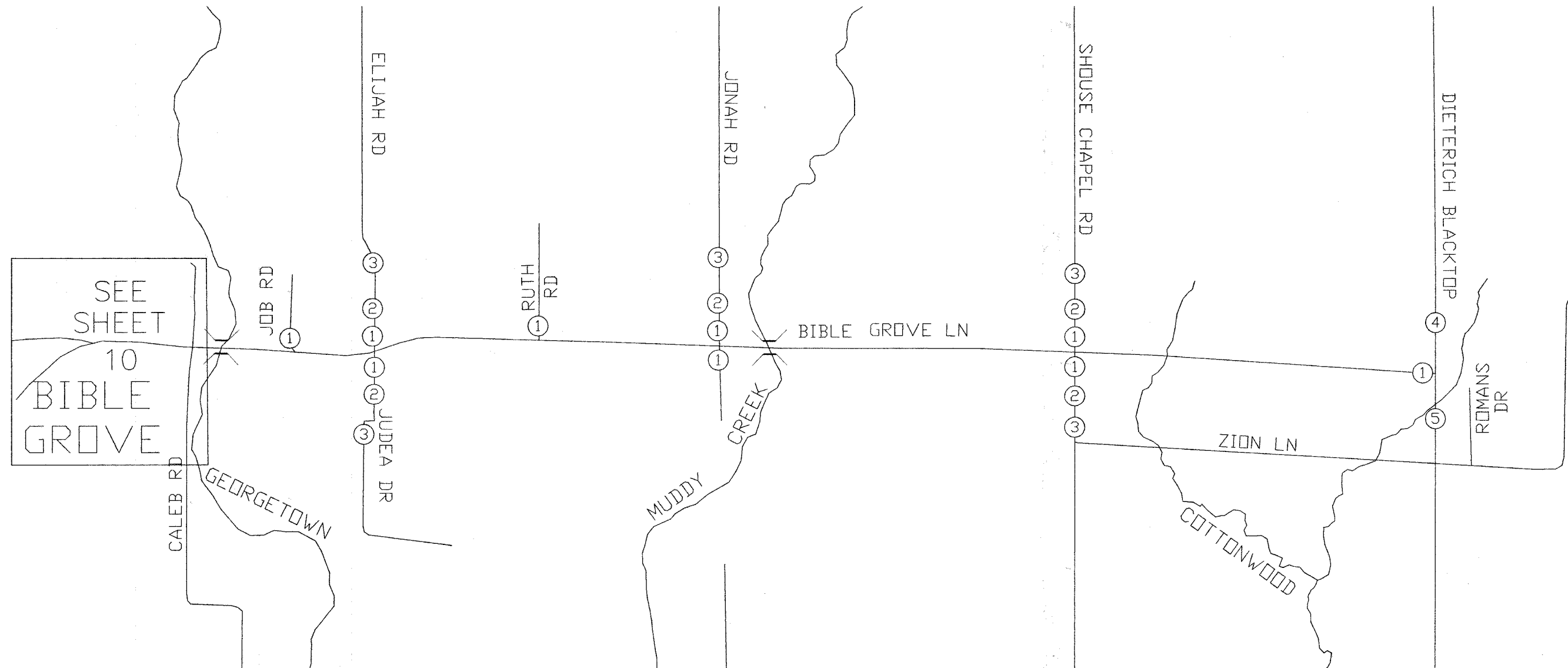


## LEGEND

- ① 2 - TYPE III BARICADES WITH ROAD CLOSED TO THRU TRAFFIC
- ② ROAD CLOSED 500 FEET
- ③ ROAD CLOSED AHEAD

ROUTE	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
FAS 798	92-00063-01-RS	CLAY	11	11
FEDERAL ROAD DISTRICT 7	ILLINOIS	FEDERAL AID PROJ.		
CONTRACT NO. 95551				

# TRAFFIC CONTROL PLAN - BIBLE GROVE TO DIETERICH / CLAY CITY BLACKTOP



## LEGEND

- ① 2 - TYPE III BARRICADES WITH ROAD CLOSED TO THRU TRAFFIC
- ② ROAD CLOSED 500 FEET
- ③ ROAD CLOSED AHEAD
- ④ ROAD CLOSED AHEAD WITH ARROW RIGHT (M5-1R(0)-2115)
- ⑤ ROAD CLOSED AHEAD WITH ARROW LEFT (M5-1L(0)-2115)