

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

PROPOSED LOCAL AGENCY  
FEDERAL-AID SECONDARY PROJECT

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 789	09-00132-00-RS	MARION	3	1

CONTRACT NO. 97438

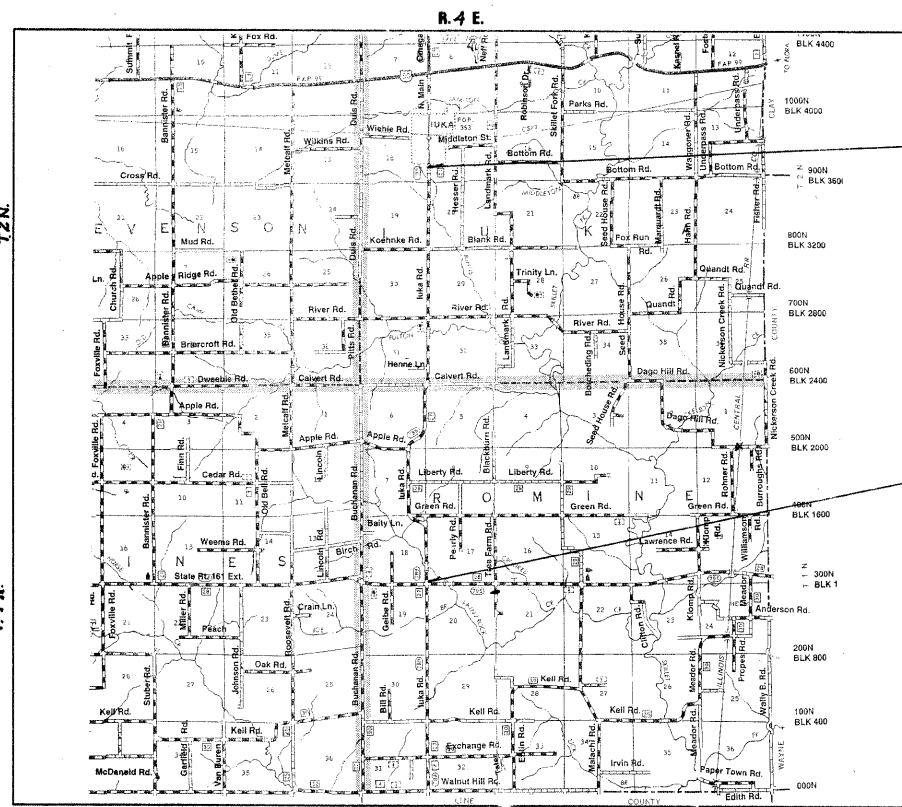
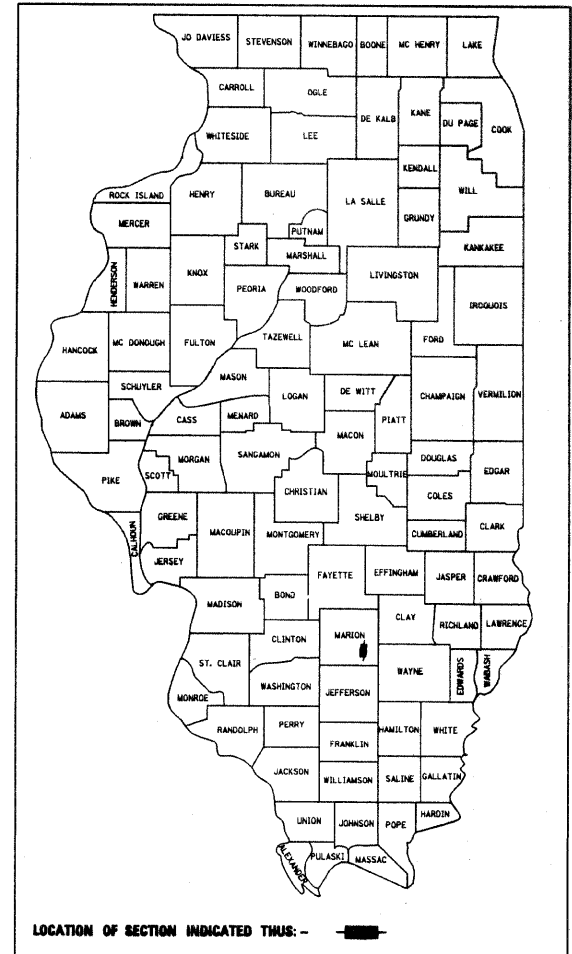
INDEX OF SHEETS

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SUMMARY OF QUANTITIES, GENERAL NOTES, UTILITIES, AND TYPICAL SECTIONS	2
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STANDARDS

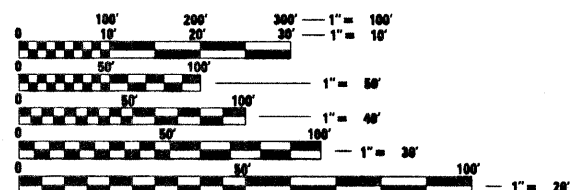
- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 442201-03 CLASS C AND D PATCHES
- 701201-03 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
- 701301-03 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-02 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS > 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS

ROUTE FAS 789  
SECTION 09-00132-00-RS  
PROJECT RS-0789(114)  
MARION COUNTY  
C-98-324-10  
CH 27, IUKA ROAD



END  
STA. 342+00

BEGIN  
STA. 0+00



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

APPROXIMATE SCALE - 1"=1 MILE  
GROSS LENGTH = 34,200 FOOT = 6.477 MILES  
NET LENGTH = 34,200 FOOT = 6.477 MILES

THESE PLANS WERE PREPARED BY ME OR A FULL-TIME MEMBER OF MY STAFF UNDER MY PERSONAL SUPERVISION

*Jerry C. Jamieson*  
REGISTERED PROFESSIONAL ENGINEER  
OF ILLINOIS  
COUNTY ENGINEER, MARION COUNTY  
ILLINOIS LICENSED PROFESSIONAL ENGINEER  
NO. 052-031357  
LICENSE EXPIRES 11/30/2011

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

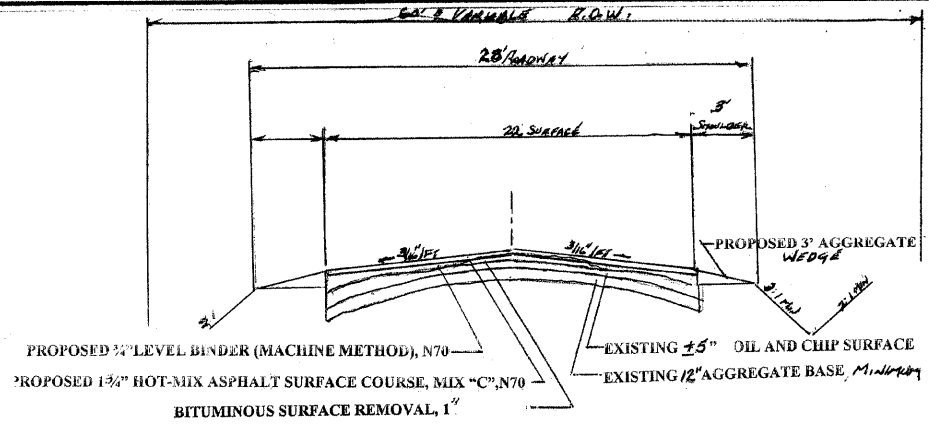
APPROVED 02-19-2010  
*Jerry C. Jamieson*  
COUNTY ENGINEER

PASSED March 3, 2010  
*Zora St. Ludwig*  
DISTRICT EIGHT ENGINEER OF LOCAL ROADS & STREETS

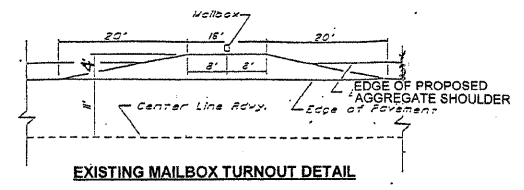
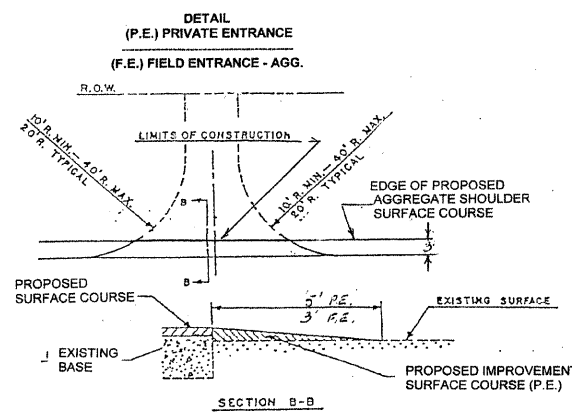
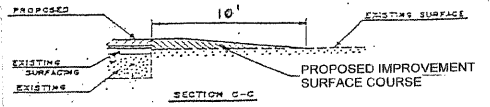
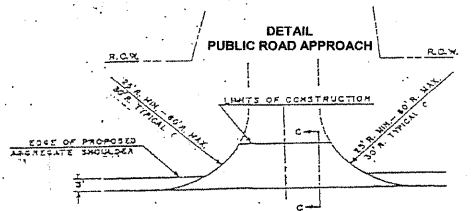
RELEASED FOR BID  
BASED ON LIMITED REVIEW  
March 3, 2010  
*Mary C. Jamieson*  
DEPUTY DIRECTOR OF HIGHWAYS  
REGION FIVE ENGINEER

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 789	09-00132-00-RS	MARION	3	2

CONTRACT NO. 97438



PROPOSED TYPICAL SECTION  
STA. 0+00 TO STA. 3+2100



UTILITIES

ATT/DISTRIBUTION (USED TO BE SBC)	800-403-3302
AMEREN CIPS	888-789-2477
CONTRYSIDE COOP. LLP	800-832-5490
IUKA, VILLAGE OF	618-323-6256
MISSISSIPPI RIVER TRANSMISSION	618-323-3686
RACCOON WATER CO.	618-532-9201
TRI-COUNTY ELECTRIC COOP.	618-244-5151
ATMOS ENERGY	888-286-6700

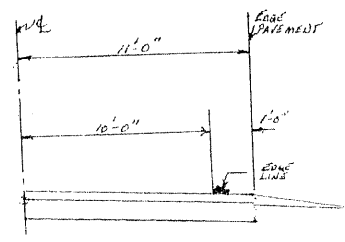
SUMMARY OF QUANTITIES

ITEM	PAY ITEM	UNIT	QUANTITY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	8360
40600300	AGGREGATE (PRIME COAT)	TON	167
40600835	LEVEL BINDER (MACHINE METHOD), N70	TON	11120
40600895	CONSTRUCTING TEST STRIP	EACH	1
40600990	TEMPORARY RAMP	SQ YD	42
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	8425
44000153	HOT-MIX ASPHALT SURFACE REMOVAL 1"	SQ YD	76000
44201733	CLASS D PATCHES, TYPE III 7 INCH	SQ YD	40
48101200	AGGREGATE SHOULDERS, TYPE B	TON	3895
67100100	MOBILIZATION	LUMP SUM	1
70100450	TRAFFIC CONTROL & PROTECTION STANDARD 701201	LUMP SUM	1
70100460	TRAFFIC CONTROL & PROTECTION STANDARD 701306	LUMP SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	10260
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1128
78001110	PAINT PAVEMENT MARKING-LINE 4"	FOOT	100410

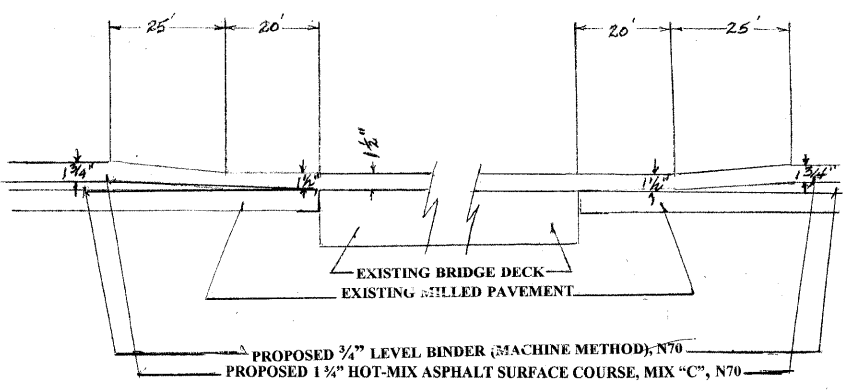
SECURITY STRIP

SUPERELEVATION DATA

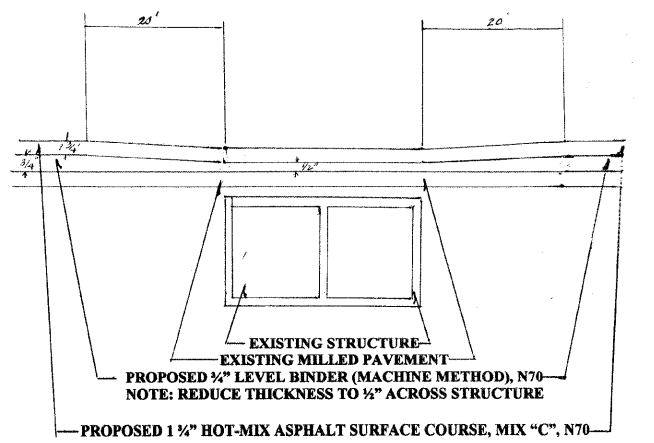
- CURVE 1 Sta. 43+00.52 to Sta. 51+33.85  
S.E. rate 0.083 1/2'  
Attain S.E. from Sta. 41+63.02 to Sta. 44+38.02  
Sta. 49+96.35 to Sta. 52+71.35
- CURVE 2 Sta. 55+49.46 to Sta. 63+82.49  
S.E. 0.083 1/2'  
Attain S.E. from Sta. 54+11.66 to Sta. 56+86.66  
Sta. 62+44.99 to Sta. 65+19.99
- CURVE 3 Sta. 112+82.7 to Sta. 119+03.00  
S.E. 0.083 1/2'  
Attain S.E. from Sta. 111+45.20 to Sta. 114+20.20  
Sta. 117+65.50 to Sta. 120+40.50
- CURVE 4 Sta. 128+42.4 to Sta. 134+51.5  
S.E. 0.083 1/2'  
Attain S.E. from Sta. 127+05.30 to Sta. 129+80.30  
Sta. 133+14.00 to Sta. 135+89.00
- CURVE 5 Sta. 163+79.15 to Sta. 167+88.85  
S.E. 0.058 1/2'  
Attain S.E. from Sta. 162+79.15 to Sta. 164+79.15  
Sta. 166+88.85 to Sta. 168+88.85
- CURVE 6 Sta. 171+69.93 to Sta. 175+72.88  
S.E. 0.058 1/2'  
Attain S.E. from Sta. 170+64.38 to Sta. 172+64.38  
Sta. 174+72.88 to Sta. 176+72.88



PAINT PAVEMENT MARKING-LINE 4"  
EDGE LINE DETAIL



DETAIL ACROSS STRUCTURE 061-3267



DETAIL ACROSS STRUCTURE 061-5001

GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

THE PROPOSED PROJECT ON F.A.S. 789, COUNTY HIGHWAY 27, BEGINS NEAR THE NORTH EDGE OF PAVEMENT OF THE 161 EXTENSION, FAS 795, AT STATION 0+00 AND EXTENDS IN A NORTHERLY DIRECTION FOR A DISTANCE OF 6.477 MILES TO A POINT AT THE SOUTH CORPORATE LIMITS OF THE VILLAGE OF IUKA AT STATION 342 + 00.

THE WORK INCLUDED IN THIS PROJECT CONSISTS OF PAVEMENT PATCHING, HOT MIX ASPHALT SURFACE REMOVAL, 3/4" LEVEL BINDER (MACHINE METHOD), 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, AGGREGATE SHOULDERS, PAVEMENT MARKING AND ANY OTHER WORK NECESSARY TO COMPLETE THE PROJECT.

THE EXISTING GRADE, ALIGNMENT, DRAINAGE STRUCTURES, BASE AND SURFACE WERE CONSTRUCTED UNDER THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S DESIGN REQUIREMENTS FOR LOCAL ROUTE'S AT THE TIME OF THEIR INITIAL CONSTRUCTION. THE ORIGINAL PLANS ARE AVAILABLE FOR INSPECTION AT THE MARION COUNTY HIGHWAY DEPARTMENT, 901 WEST ELM STREET, SALEM, ILLINOIS.

COMPUTATION OF BITUMINOUS QUANTITIES IS BASED UPON 112 POUNDS/SQUARE YARD/ 1" THICK.

COMPUTATION OF AGGREGATE SHOULDER, TYPE B, IS BASED UPON 2.05 TON PER SQUARE YARD.

AT MAIL BOX TURNOUTS AND AGGREGATE DRIVES, THE AGGREGATE SHOULDER SHALL EXTEND THROUGH THE EXISTING MAIL BOX TURNOUTS AND AGGREGATE DRIVES. ANY ADDITIONAL MATERIAL REQUIRED WILL BE PROVIDED BY OTHERS.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

MIXTURE USE	SURFACE	LEVEL BINDER
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	10%	15%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION	9.5	
(GRADATION MIXTURE)		
FRICITION AGG	MIX "C"	MIX "C"

SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO PRIMED SURFACES, LEVEL BINDER SURFACES AND FINAL SURFACES; ONLY THE REMOVAL FROM THE FINAL SURFACES WILL BE PAID AS WORK ZONE PAVEMENT REMOVAL.

ENTRANCE SCHEDULE

TYPE	SIDE	STATION	HOT-MIX ASPHALT SURFACE COURSE MIX "C", N70 TON
PE	RT	1 + 10	1.8
PE	LT	1 + 50	1.9
PE	RT	7 + 00	2.3
PE	LT	37 + 50	2.1
PE	LT	41 + 00	1.9
PE	LT	60 + 40	1.8
PE	RT	69 + 90	1.9
PE	RT	84 + 30	2.3
PE	RT	99 + 00	2.1
PE	RT	101 + 10	2.3
PE	LT	109 + 35	2.3
PE	LT	114 + 70	5.1
PE	RT	132 + 80	2.3
PE	LT	146 + 00	2.8
PE	RT	148 + 00	2.7
PE	LT	150 + 40	1.9
PE	LT	157 + 00	1.8
PE	RT	173 + 80	6.1
PE	RT	187 + 55	1.9
PE	LT	193 + 75	2.1
PE	LT	196 + 40	1.9
PE	LT	197 + 00	2.5
PE	RT	202 + 15	2.3
PE	LT	202 + 35	2.1
PE	LT	204 + 45	1.9
PE	RT	224 + 10	2.3
PE	LT	227 + 30	2.7
PE	RT	234 + 50	2.9
PE	RT	236 + 20	2.7
PE	RT	242 + 10	2.5
PE	LT	244 + 10	2.5
PE	LT	247 + 15	2.5
PE	RT	250 + 25	2.7
PE	RT	257 + 15	2.5
PE	RT	258 + 80	2.5
PE	RT	270 + 00	2.1
PE	LT	281 + 08	2.5
PE	RT	293 + 60	1.9
PE	RT	296 + 10	1.9
PE	LT	308 + 10	2.7
PE	LT	319 + 00	2.7
PE	LT	320 + 00	2.7
PE	RT	321 + 58	2.7
PE	LT	322 + 21	2.7
PE	LT	323 + 32	2.3
PE	RT	323 + 49	2.3
PE	RT	327 + 78	2.3
PE	RT	338 + 71	2.7
PE	RT	336 + 00	2.7
PE	LT	336 + 10	2.7
PE	RT	336 + 90	2.5
PE	RT	339 + 70	2.3
PE	RT	341 + 05	2.1
TOTAL			129.9

SCHEDULE OF SIDE ROADS

NAME	SIDE	STATION	HOTMIX ASPHALT SURFACE COARSE, MIX "C", N70 TON
UNKNOWN NAME ROAD	RT	45 + 20	11.2
GREEN ROAD	RT	60 + 10	6.7
LIBERTY ROAD	RT	86 + 50	13.0
APPLE ROAD	RT	99 + 60	6.0
UNKNOWN NAME ROAD	LT	113 + 80	11.2
CALVERT ROAD	LT	169 + 90	8.2
CALVERT ROAD	RT	170 + 00	6.7
HENNE ROAD	LT	183 + 60	4.5
RIVER ROAD	RT	223 + 40	8.2
RIVER ROAD	LT	223 + 40	10.4
BLANK ROAD	RT	276 + 60	8.2
KOEHNKE ROAD	LT	276 + 60	8.6
TOTAL			102.9

SCHEDULE OF PAINT PAVEMENT MARKING LINE-4"

TYPE OF LINE	LENGTH YELLOW (FT)	LENGTH WHITE (FT)		
CENTERLINE STRIPE	8,550			
NO PASSING ZONE STRIPE	24,500			
EDGE LINE		67,360		
TOTAL			33,050	67,360

SCHEDULE OF NO PASSING ZONES STRIPES

BEGIN STATION	END STATION	LENGTH
RT 38 + 00	RT 43 + 00	500'
LT & RT 43 + 00	LT & RT 64 + 00	4200'
LT 64 + 00	LT 69 + 00	500'
RT 70 + 00	RT 75 + 00	500'
LT 84 + 00	LT 89 + 00	500'
RT 95 + 00	RT 100 + 00	500'
LT 103 + 50	LT 108 + 50	500'
RT 109 + 50	RT 114 + 50	500'
LT & RT 114 + 50	LT & RT 133 + 00	3700'
LT 133 + 00	LT 138 + 00	500'
RT 139 + 00	RT 144 + 00	500'
LT 144 + 00	LT 150 + 00	500'
RT 159 + 00	RT 164 + 00	500'
LT & RT 164 + 00	LT & RT 174 + 00	2000'
LT 174 + 00	LT 179 + 00	500'
RT 183 + 00	RT 188 + 00	500'
LT 192 + 00	LT 193 + 00	100'
LT & RT 193 + 00	LT & RT 197 + 00	800'
RT 197 + 00	RT 198 + 00	100'
LT 203 + 00	LT 208 + 00	500'
RT 218 + 00	RT 223 + 00	500'
LT & RT 228 + 00	LT & RT 238 + 00	2000'
LT 238 + 00	LT 243 + 00	500'
RT 266 + 00	RT 271 + 00	500'
LT 277 + 00	LT 282 + 00	500'
RT 287 + 00	RT 292 + 00	500'
LT 297 + 00	LT 302 + 00	500'
RT 317 + 00	RT 322 + 00	500'
LT 322 + 00	LT 327 + 00	500'
RT 331 + 00	RT 336 + 00	500'

SCHEDULE OF CLASS D PATCHING, TYPE III, 7"

Lt 280+80  
11' x 16'

Rt 280+80  
11' x 16"