

SUMMARY OF SHEETS

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1	COVER SHEET
2	SUMMARY OF QUANTITIES, PAVEMENT MARKING AND SUPERELEVATION SCHEDULES
3	TYPICAL SECTIONS
4	HOT-MIX ASPHALT SURFACE REMOVAL DETAILS

HIGHWAY STANDARDS

BLR-24-1, 701011-01, 701301-02
 701306-01, 701311-02, 702001-06
 780001-01, 701006-02

UTILITIES

EGYPTIAN ELECTRIC COOP 1005 W. BROADWAY STEELEVILLE, IL 62288 PH. 618-965-3437
 EGYPTIAN TELEPHONE COOP 1010 W. BROADWAY STEELEVILLE, IL 62288 PH. 618-965-3481

AMEREN IP 1005 W. BROADWAY STEELEVILLE, IL 62288 PH. 618-443-9239
 EGYPTIAN WATER 1010 W. BROADWAY STEELEVILLE, IL 62288 PH. 618-965-3434

VERIZON SERVICE 1-800-483-5000 REPAIR

J.U.L.I.E. 1-800-892-0123

DESIGN INFORMATION
 RURAL COLLECTOR CLASS III ROADWAY
 DESIGN SPEED 50 MPH
 ADT(2007) - 800
 (2022) - 1000

PAVEMENT DESIGN INFORMATION

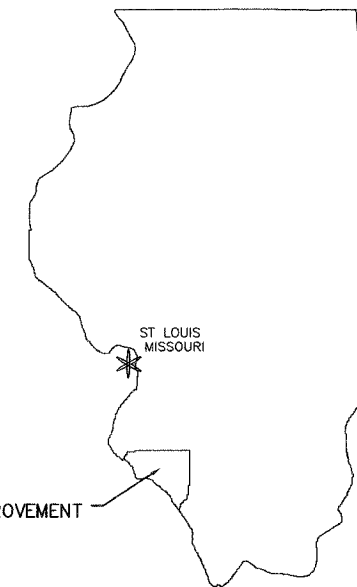
STRUCTURAL DESIGN TRAFFIC: 900 (YEAR 2015) PV 792
 SU 63
 MU 45

MINIMUM SOIL SUPPORT IBR=3
 PAVEMENT STRUCTURAL MATERIALS: HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
**PLANS FOR
 PROPOSED LOCAL AGENCY IMPROVEMENT**
 RANDOLPH COUNTY
 FAS ROUTE 849
 SECTION 06-00049-04-RS
 PROJECT NO. RS-849(113)
 JOB NO. C-98-329-07

ROUTE	COUNTY	SECTION	SHEET/OF
FAS 849	RANDOLPH	06-00049-04-RS	1/4
CONTRACT NO. 97308			

FEDERAL AID PROJECT



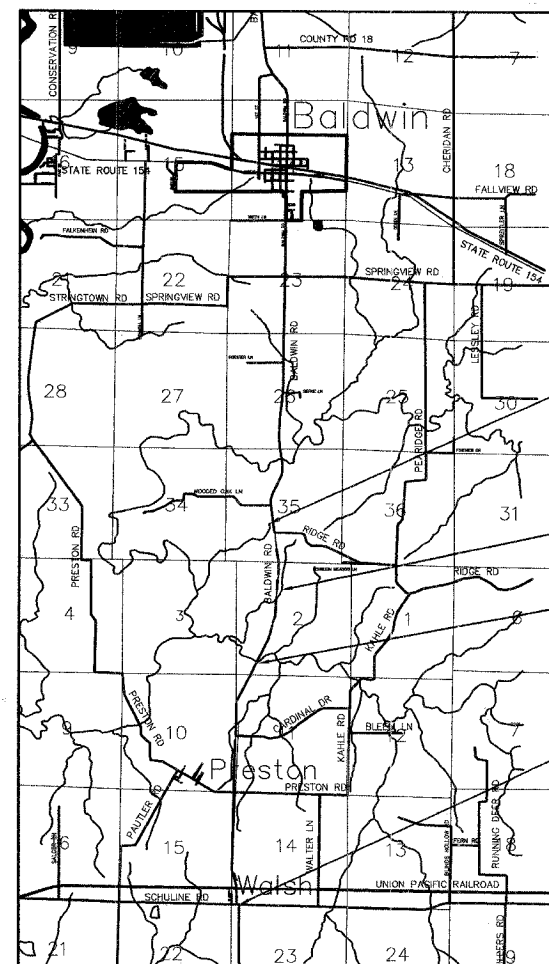
SITE OF PROPOSED IMPROVEMENT

THESE PLANS WERE PREPARED BY ME OR A MEMBER OF MY STAFF WORKING UNDER MY PERSONAL SUPERVISION.

Michael Riebeling 3-29-2007
 COUNTY ENGINEER DATE



11-30-2007
 Expiration Date



PROPOSED IMPROVEMENT ENDS
 STATION 183+34

STATION EQUATION =
 STA 144+28.28 BK = STA 144+54.90 AH

OMISSION
 STA 114+75 TO STA 116+21

PROPOSED IMPROVEMENT BEGINS
 STATION 0+36.82

1 MILE

NET LENGTH OF IMPROVEMENT
 18,124.56 FEET = 3.433 MILES

ILLINOIS DEPARTMENT OF TRANSPORTATION			
Approved	<i>March 29</i>	20	07
	<i>Michael Riebeling</i>		
	Randolph County, County Engineer		
Passed	<i>April 4</i>	20	07
	<i>Jennifer Oberknecht</i>		
	District 8 Engineer of Local Roads & Streets		
Releasing for Bid Based on Limited Review	<i>4-5-</i>	20	07
	<i>Mary C. Lomas</i>		
	Deputy Director of Highways, Region 5 Engineer		

SUMMARY OF QUANTITIES

PAY ITEM	ITEM	UNIT	QUANTITY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2560
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	3343
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	775
40603315	HOT- MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	3671
44000154	HOT - MIX ASPHALT SURFACE REMOVAL, 1 1/4"	SQ YD	2323
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1032
67100100	MOBILIZATION	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	3682
70300200	TEMPORARY PAVEMENT MARKING	FOOT	45,458
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	122
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	92
* 78001110	PAINT PAVEMENT MARKING LINE 4"	FOOT	45,458
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1

* SPECIALTY ITEMS

PAINT PAVEMENT MARKING SCHEDULE

LOCATION	LIMITS	LENGTH
<u>NO PASSING ZONES</u>		
RIGHT	STA 3+70 TO 7+88	418 FT
LEFT	STA 8+00 TO STA 12+50	450 FT
RIGHT	STA 98+25 TO STA 104+75	650 FT
LEFT	STA 95+00 TO STA 114+54	1954 FT
RIGHT	STA 161+00 TO STA 167+50	650 FT
LEFT	STA 169+00 TO STA 176+50	750 FT
TOTAL NO PASSING ZONES		4872 FT
<u>SKIP DASH</u>		
STA 0+36.82 TO STA 98+25 = 9788 FT		
STA 104+75 TO STA 144+28.28 = 3953 FT		
STA 144+54.90 TO STA 183+34 = 3879 FT		
		17,620 FT @ 25%
		4405 FT
TOTAL YELLOW LINE		9277 FT
<u>EDGE LINE</u>		
LT & RT	STA 0+36.82 TO STA 183+34 (EQ 144+28.28 BK = 144+54.90 AH) (INCLUDES 60 FT GAP AT EACH OF 6 SIDEROADS = -360)	36,181 FT
TOTAL PAINT PAVEMENT MARKING LINE 4"		45,458 FT

SUPER ELEVATION DATA

CURVE	PC	PT	SE	TRANS.	LEFT IN	CROWN	RIGHT IN
CURVE 2	11+95.63	18+27.7	0.05 FT/FT	10+79 TO 12+54	STA 10+21	-0.0156	STA 10+21
			= 0.60 FT/LANE		STA 10+79	0.0	STA 10+79
CURVE 3	91+23.74	96+85.18	0.08 FT/FT	89+07 TO 91+95	STA 89+07	-0.0156	STA 89+07
			= 0.96 FT/LANE		STA 89+79	0.0	STA 89+79
CURVE 4	124+59.85	144+28.28	0.023 FT/FT	122+86 TO 125+19	STA 122+85	-0.0156	STA 122+85
			= 0.276 FT/LANE		STA 123+44	-0.0156	STA 123+44
CURVE 5	162+47.48	167+55.98	0.04 FT/FT	143+70 TO 146+30	STA 160+73	-0.0156	STA 160+73
			= 0.48 FT/LANE		STA 161+31	-0.0156	STA 161+31

GENERAL NOTES:

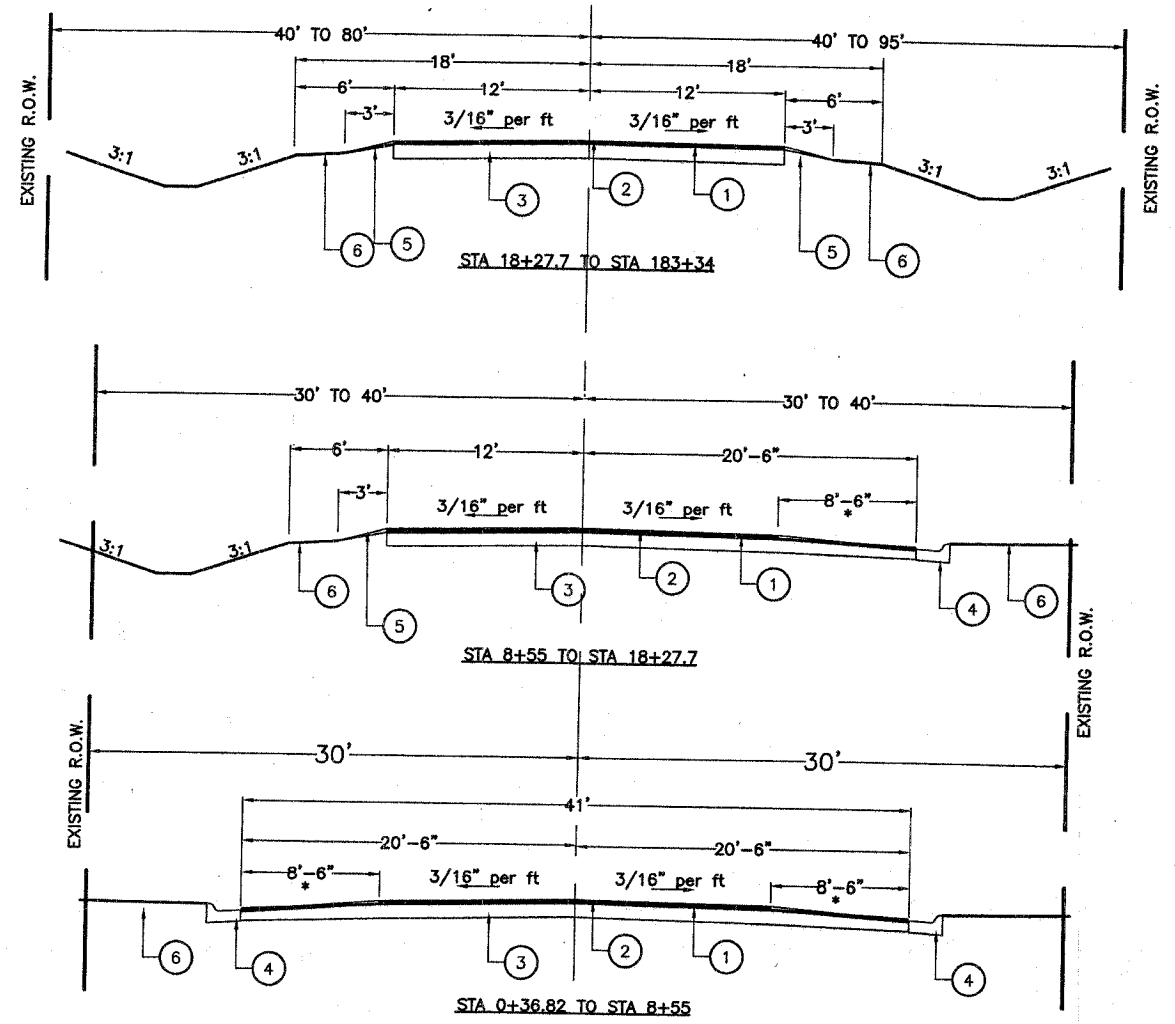
- BITUMINOUS MATERIALS (PRIME COAT) SHALL BE APPLIED AT THE RATE OF 0.05 GALLONS PER SQUARE YARD. EMULSIFIED ASPHALT SHALL BE USED.
- SHORT-TERM PAVEMENT MARKING APPLIED TO LEVELING BINDER AND FINAL SURFACE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE USE	SURFACE	LEVELING BINDER
PG	PG 64-22	PG 64-22
RAP % (MAX)	10 %	15 %
DESIGN AIR Voids	4.0% @ Ndes=70	4.0 % @ Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)		
FRICITION AGG	MIXTURE C	
MIXTURE WEIGHT	112 LB/SY/IN	112 LB/SY/IN

THERMOPLASTIC PAVEMENT MARKING SCHEDULE

LOCATION	LIMITS	LENGTH
RIGHT	STA 0+50	20 FT
RIGHT	STA 3+70	12 FT
RIGHT	STA 3+95	61 SF
RIGHT	STA 4+20	12 FT
RIGHT	STA 7+20	12 FT
LEFT	STA 7+80	12 FT
LEFT	STA 12+00	12 FT
LEFT	STA 12+25	61 SF
LEFT	STA 12+50	12 FT
TOTAL		122 SF

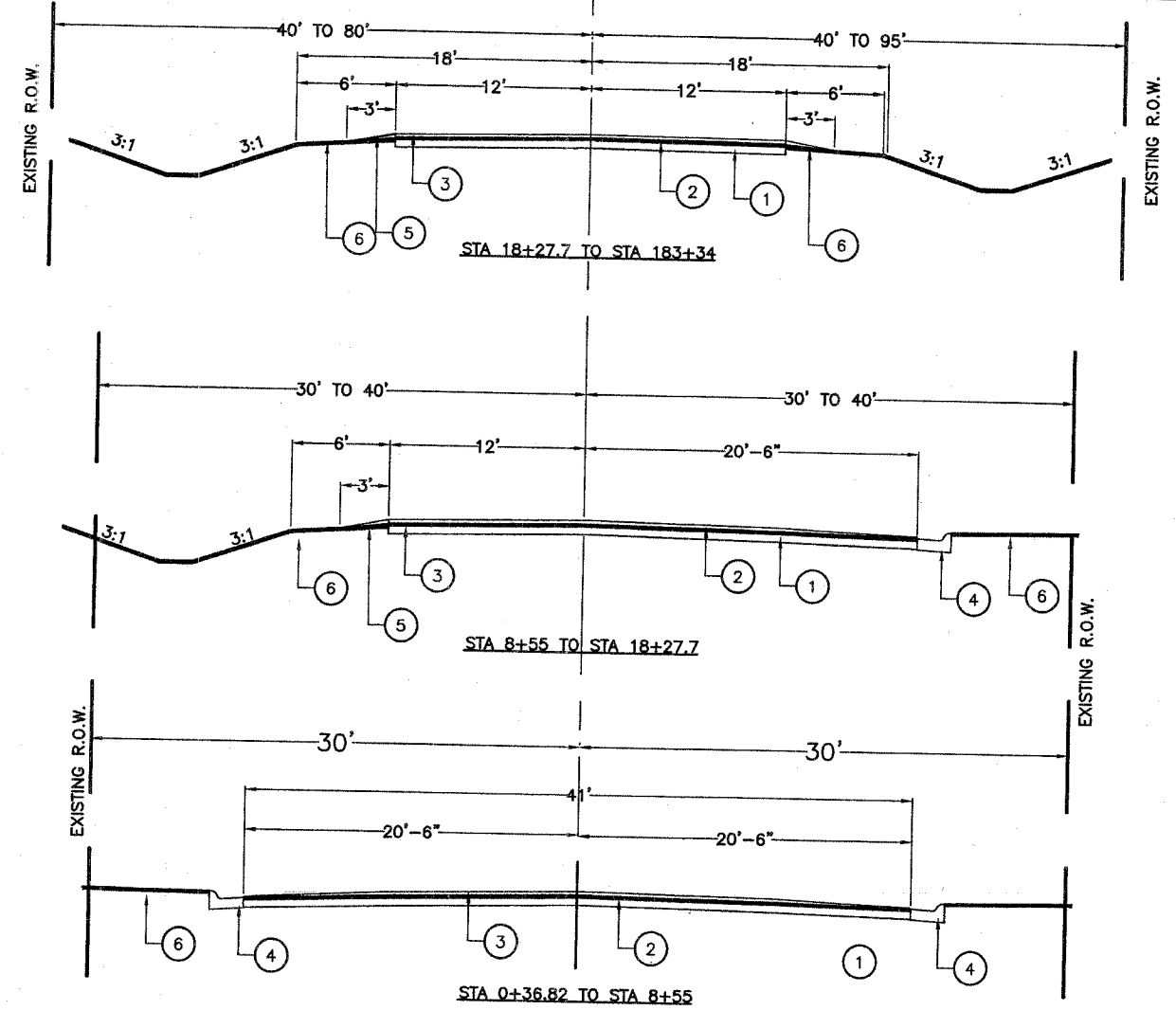
ROUTE	COUNTY	SECTION	SHEET/OF
FAS 849	RANDOLPH	06-00049-04-RS	3/4
CONTRACT NO. 97308			



PROPOSED TYPICAL SECTIONS

* PARKING LANES SHALL BE MILLED 1 1/4" BELOW THE TOP OF THE GUTTER FLAG TO 0" AT EDGE OF DRIVING LANE

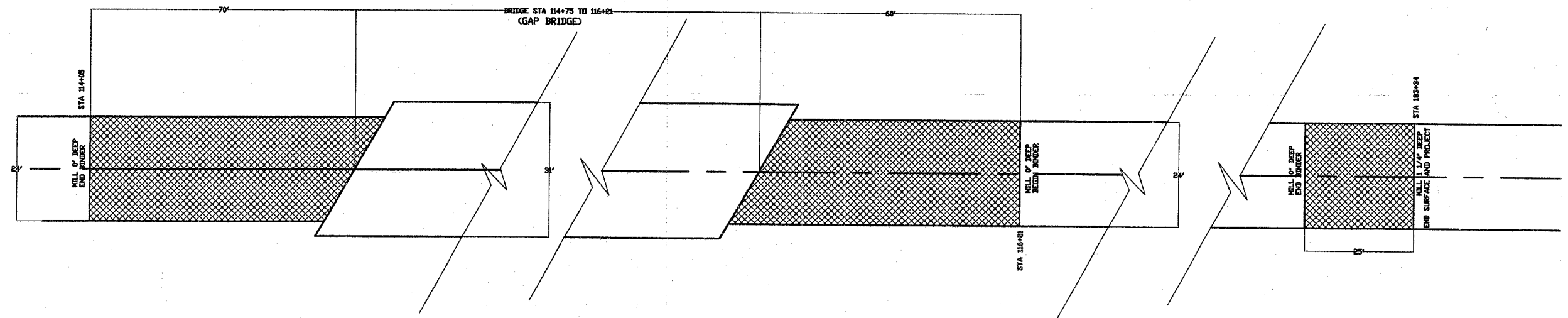
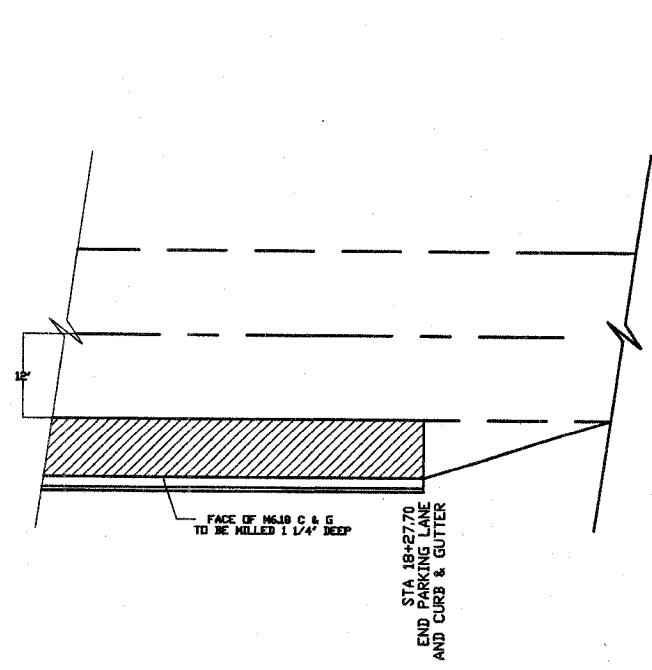
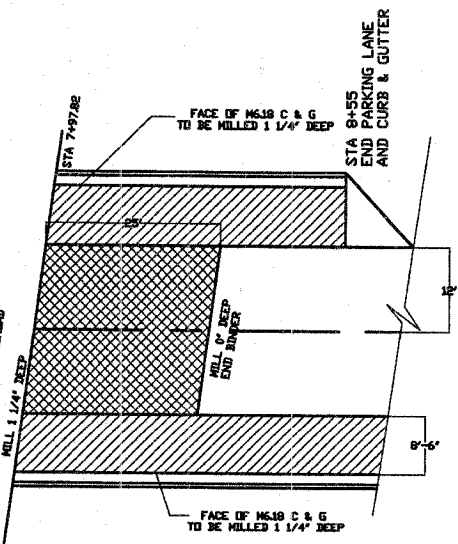
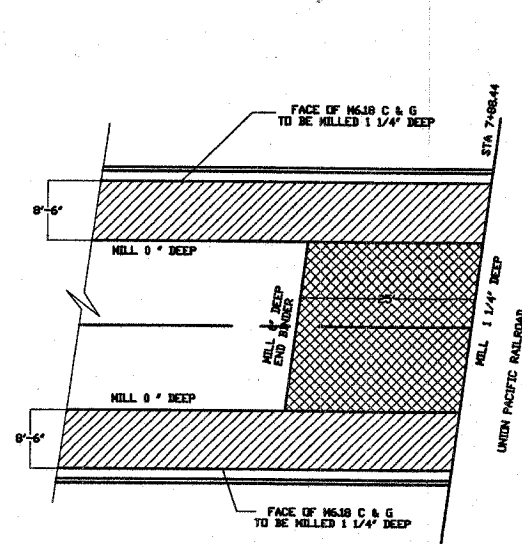
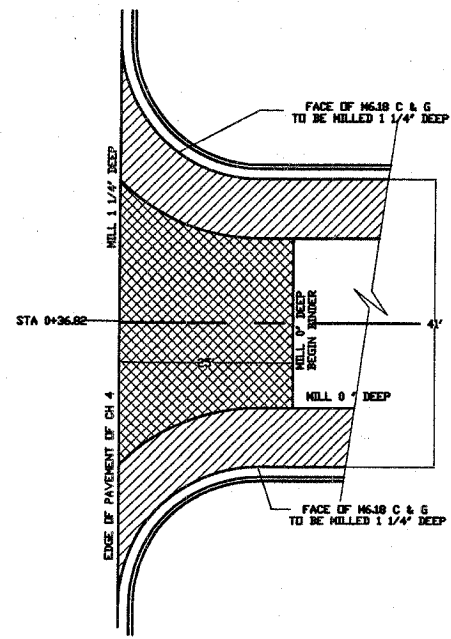
- ① PROPOSED LEVELING BINDER (MACHINE METHOD), N50 - 1 1/4"
- ② PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - 1 1/4"
- ③ EXISTING BITUMINOUS BASE AND SURFACE
- ④ EXISTING COMB CONC CURB & GUTTER M-6.18
- ⑤ PROPOSED AGGREGATE SHOULDERS, TYPE B
- ⑥ EXISTING TURF SHOULDER



EXISTING TYPICAL SECTIONS

- ① EXISTING BITUMINOUS AGGREGATE MIXTURE BASE COURSE - 6"
- ② EXISTING BITUMINOUS CONCRETE SURFACE COURSE, CLASS I - 1 1/2"
- ③ EXISTING BITUMINOUS MIXTURE COMPLETE - 3"
- ④ EXISTING COMB CONC CURB & GUTTER M-6.18
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ EXISTING TURF SHOULDER

ROUTE	COUNTY	SECTION	SHEET/OF
FAS 849	RANDOLPH	06-00049-04-RS	4/4
CONTRACT NO 97308			



DETAILS
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
AND HOT-MIX ASPHALT SURFACE REMOVAL, 1/4"

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL, 1/4"