

SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1790	09-00131-00-RS	Marion	3	1

CONTRACT NO: 97380 FEDERAL AID PROJECT

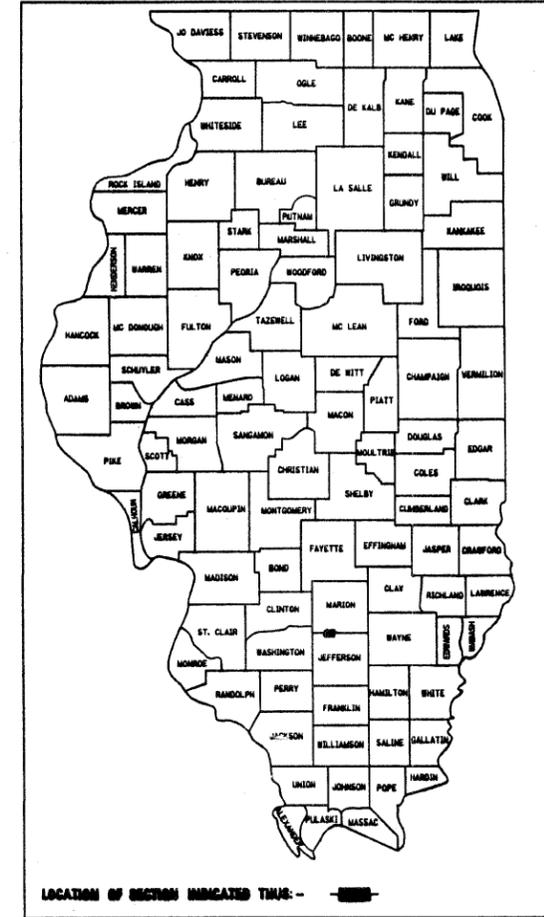
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED LOCAL AGENCY
FEDERAL-AID SECONDARY PROJECT**

ARRA OF 2009 PROGRAM, STR PROGRAM

ROUTE FAS 1790
SECTION 09-00131-00-RS
PROJECT ARA-RS-1790 (103)
MARION COUNTY

C-98-357-09
CH 32, WALNUT HILL ROAD
R. 1 E.

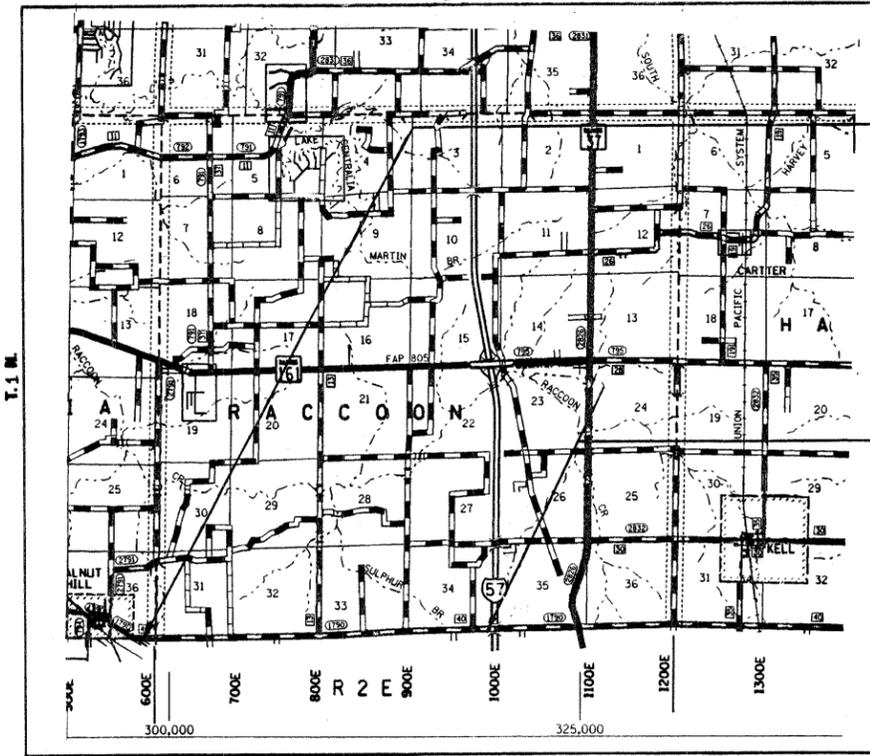


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STANDARDS

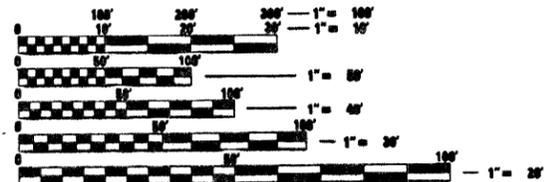
- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 701301-03 LANE CLOSURE, 2L,2W, SHORT TIME OPERATIONS
- 701306-02 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS > 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY
- 701901-01 TRAFFIC CONTROL DEVICES
-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



T. 1 N.

BEGIN
STA. 25+00

END
STA. 241+86



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
1-800-692-0123

FUNCTIONAL CLASSIFICATION: RURAL MAJOR COLLECTOR
ADT 800

APPROXIMATE SCALE - 1" = 1 MILE
GROSS LENGTH = 21,686 FOOT = 4.107 MILES
NET LENGTH = 21,686 FOOT = 4.107 MILES

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

Richard C. Maningas
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
COUNTY ENGINEER, MARION COUNTY
ILLINOIS LICENSED PROFESSIONAL ENGINEER
NO. 062-31357
LICENSE EXPIRES 11-30-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED *04-03-09*
Richard C. Maningas
COUNTY ENGINEER

PASSED *4/9/2009*
Richard C. Maningas
DISTRICT EIGHT ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID
BASED ON LIMITED REVIEW
4/9/2009
Maury C. James
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER

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 REVISIONS TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

THE PROPOSED PROJECT ON F.A.S. 1790, COUNTY HIGHWAY 32, BEGINS NEAR THE EAST EDGE OF PAVEMENT OF THE OLD CENTRALIA ROAD AT 25+00 AND EXTENDS IN AN EASTERLY DIRECTION FOR A DISTANCE OF 4.107 MILES TO A POINT JUST WEST OF THE OVERHEAD OVER INTERSTATE 57, AT STATION 241±86.

THE WORK INCLUDED IN THIS PROJECT CONSISTS OF BITUMINOUS SURFACE REMOVAL, 1 1/2" LEVEL BINDER (MACHINE METHOD), 1 1/4" HOT-MIX ASPHALT SURFACE COURSE, AGGREGATE SHOULDERS 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 HOT-MIX ASPHALT QUANTITIES IS BASED UPON 112 POUNDS/SQUARE YARD/1" THICK.

COMPUTATION OF AGGREGATE SHOULDER, TYPE B, IS BASED UPON 2.05 TONS/CUBIC YARD.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

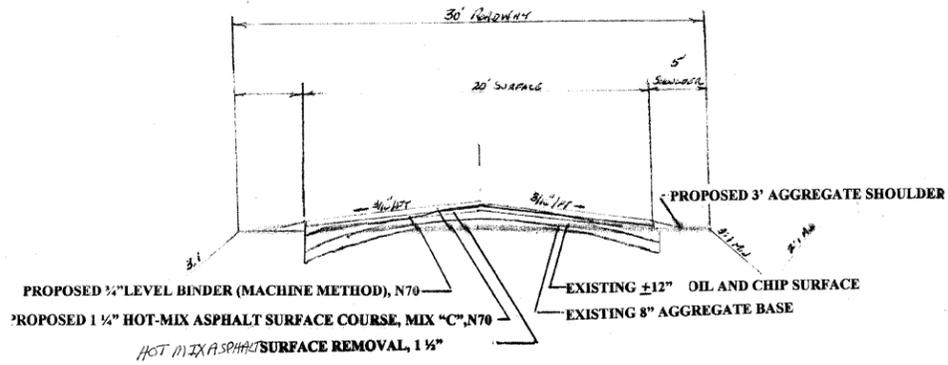
MIXTURE USE	SURFACE	LEVEL BINDER
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	10%	15%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)	9.5	
FRICITION AGG	MIX "C"	MIX "C"

UTILITIES

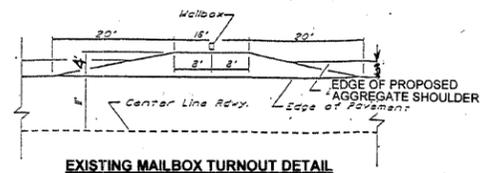
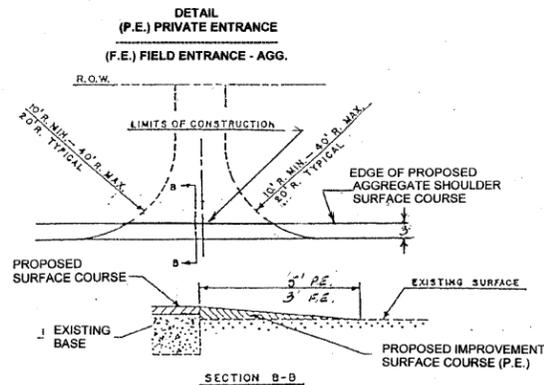
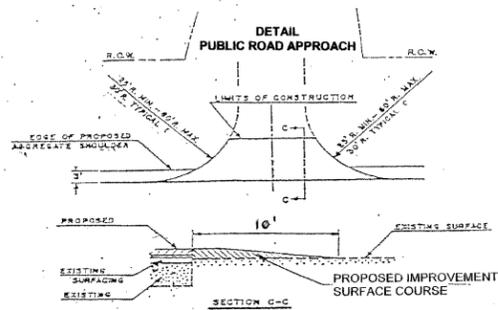
ATT/DISTRIBUTION (USED TO BE SBC)
 CHARTER COMMUNICATIONS
 DIX-KELL WATER SEWER
 COUNTRYMARK COOPERATIVE LLP
 AMEREN IP
 RACCOON WATER CO.
 SHELL PIPELINE CO. LP
 TRI-COUNTY ELECTRIC COOPERATIVE
 WALNUT HILL VILLAGE OF

SUMMARY OF QUANTITIES

ITEM	PAY ITEM	UNIT	QUANTITY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	4819
40600300	AGGREGATE (PRIME COAT)	TON	96
40600800	LEVEL BINDER (MACHINE METHOD), N70	TON	1050
40600895	CONSTRUCTING TEST STRIP	EACH	1
40600990	TEMPORARY RAMP	SQ YD	19
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	3494
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1630
67100100	MOBILIZATION	LUMP SUM	1
70100460	TRAFFIC CONTROL & PROTECTION STANDARD 701306	LUMP SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	3488
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	572
78001110	PAINT PAVEMENT MARKING-LINE 4"	FOOT	51330
44000155	HMA SURFACE REMOVAL 1 1/2"	SQ YD	48191
*SPECIALTY ITEM			



PROPOSED TYPICAL SECTION
 STA. 25+00 TO STA. 241+86



SCEDULE OF SIDE ROADS

NAME	SIDE	STATION	HOTMIX ASPHALT SURFACE COURSE MIX "C", N50, TON
MC NEILL ROAD	LT	85 + 05	4.8
HOMER ROAD	RT	88 + 08	5.4
SNOW ROAD	LT	78 + 31	4.7
DECATOR ROD	RT	106 + 48	6.2
MEDJIN ROAD	LT	132 + 10	9.0
COVENATOR ROAD	LT	159 + 50	5.9
BUCHANAN ROAD	RT	173 + 60	5.8
MEYERS ROAD	LT	185 + 90	7.7
MARGE ROAD	RT	216 + 10	8.7
MARCH ROAD	LT	227 + 00	7.7
		TOTAL TON	65.5

ENTRANCE SCHEDULE

TYPE	SIDE	STATION	HOTMIX ASPHALT SURFACE COURSE MIX "C", N70, TON
PE	LT	40 + 65	1.9
PE	RT	51 + 69	1.8
PE	LT	52 + 17	1.6
PE	LT	57 + 64	1.8
PE	LT	59 + 32	2.2
PE	LT	89 + 31	1.9
PE	LT	90 + 63	1.9
PE	LT	107 + 35	1.9
PE	LT	108 + 03	1.8
PE	LT	110 + 86	1.9
PE	LT	126 + 42	1.9
PE	RT	132 + 30	1.6
PE	LT	141 + 08	1.8
PE	LT	146 + 85	1.6
PE	RT	153 + 20	1.8
PE	RT	155 + 05	1.6
PE	RT	156 + 30	1.6
PE	RT	160 + 50	2.1
PE	RT	166 + 60	1.6
PE	RT	167 + 05	1.6
PE	RT	169 + 27	1.6
PE	LT	172 + 20	1.8
PE	RT	176 + 40	2.1
PE	LT	177 + 08	1.8
PE	LT	182 + 00	1.9
PE	RT	184 + 80	1.6
PE	LT	207 + 02	2.1
PE	LT	212 + 50	2.1
PE	LT	236 + 40	3.0
PE	LT	236 + 60	1.6
		TOTAL TON	55.5

**SCHEDULE OF PAINT
PAVEMENT MARKING
LINE-4"**

TYPE OF LINE	LENGTH YELLOW (FT)	LENGTH WHITE (FT)
CENTERLINE STRIPE	5,420	
NO PASSING ZONE STRIPE	2,500	
EDGE LINE		43,410
TOTAL	7,920	43,410

SCHEDULE OF NO PASSING ZONE STRIPES

BEGIN STATION	END STATION	LENGTH
EBL 128 + 38	EBL 133 + 38	500'
WBL 136 + 42	WBL 141 + 42	500'
EBL 218 + 55	EBL 223 + 55	500'
WBL 230 + 00	WBL 235 + 00	500'
EBL 236 + 86	EBL 241 + 86	500'