

INDEX OF SHEETS

Sheet No.	Description
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STANDARDS

701301-02	TRAFFIC CONTROL
701306-01	TRAFFIC CONTROL
702001-06	TRAFFIC CONTROL

SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	QUANTITY	UNIT
* X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	5495	TON
X4066765	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50	3571	TON
* 20200100	EARTH EXCAVATION	17	CU YD
* 35100100	AGGREGATE BASE COURSE, TYPE A	34	TON
* 40600100	BITUMINOUS MATERIALS (PRIME COAT)	12869	GALLON
40600300	AGGREGATE (PRIME COAT)	255	TON
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	292	SQ YD
40600990	TEMPORARY RAMP	28	SQ YD
40800040	INCIDENTAL BITUMINOUS SURFACING	100	TON
* 48101200	AGGREGATE SHOULDERS, TYPE B	3327	TON
67100100	MOBILIZATION	1	L SUM
* 70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	1	L SUM
* 70300100	SHORT-TERM PAVEMENT MARKING	5233	FOOT

Construction Code I000  
\* Special Provisions

CONTRACT NO. 87324

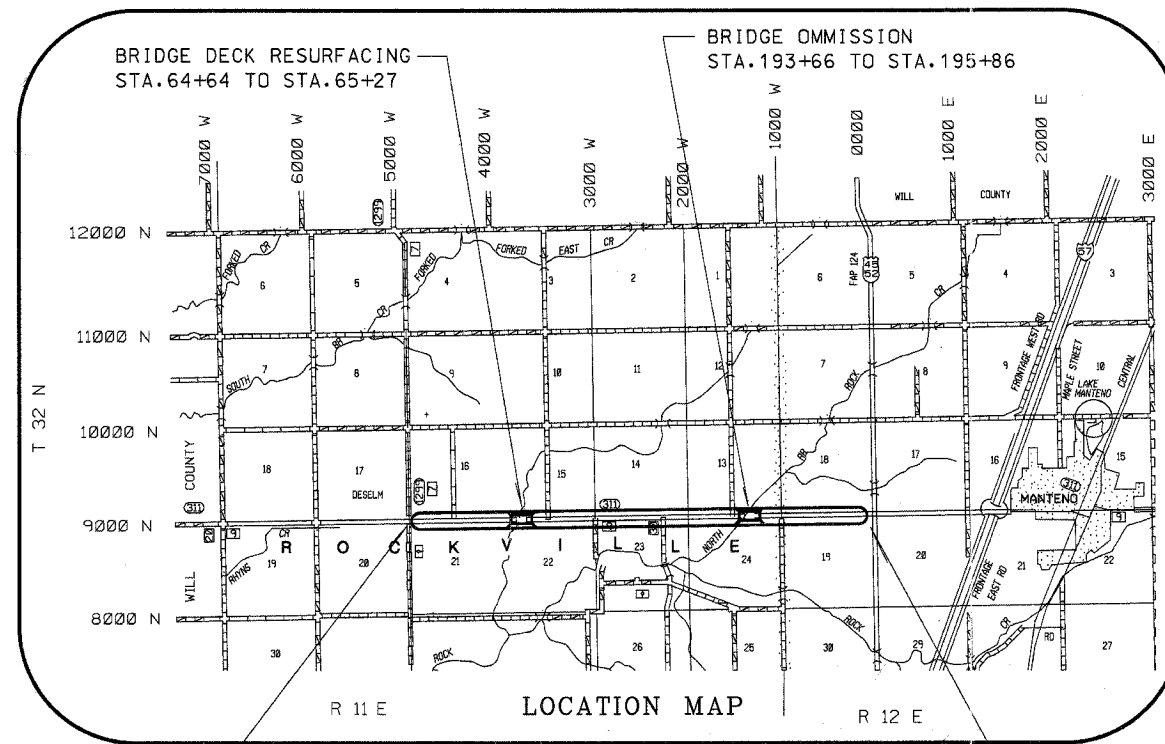
J.U.L.I.E. 1-800-892-0123

STA. 0+46  
CONSTRUCTION STARTS  
(STA. 0+00 =  $\odot$  FAS 1299 C.H.7)

STA. 263+53  
CONSTRUCTION ENDS  
(STA. 265+65 =  $\odot$  US RT 45&52)

GROSS LENGTH = 26,307 LIN FT = 4.983 MILES

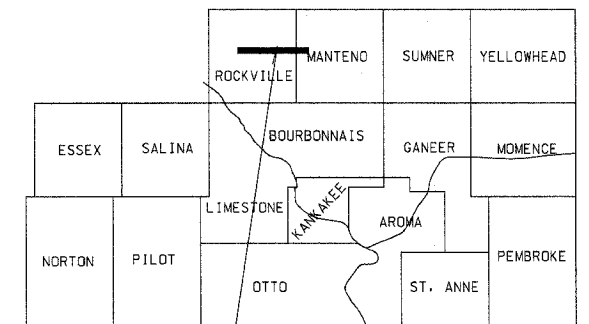
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
COUNTY OF KANKAKEE  
DEPARTMENT OF HIGHWAYS  
PLANS FOR PROPOSED  
FEDERAL AID SECONDARY PROJECT  
SECTION 04-00185-02-RS  
F.A.S. 311 (C.H.9) PROJECT RS-311 (112)  
JOB NO. C-93-059-06



F.A.S. ROUTE NO.	SEC.	COUNTY	NO. SHEETS	SHEET NO.
311	*	Kankakee	3	1
ILLINOIS PROJECT RS-311 (112)			CONTRACT NO. 87324	

\* 04-00185-02-RS

KANKAKEE COUNTY



PROJECT LOCATION



THE ACCEPTANCE OF THIS PROJECT IS BASED ON THE MINIMUM DESIGN CRITERIA FOR LOCAL AGENCY PAVEMENT PRESERVATION POLICY (LAPP) PROJECTS

CLASS II ROAD  
2006 CURRENT A.D.T. = 3904  
2010 DESIGN A.D.T. = 4064  
DESIGN SPEED = 55 M.P.H.  
ROADWAY CLASSIFICATION = COLLECTOR

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

Submitted 4-18 2006

James W. Piekarczyk, P.E.  
County Engineer

Passed 04-19 2006

Kenneth R. Lang  
Bureau Chief, Local Roads & Streets

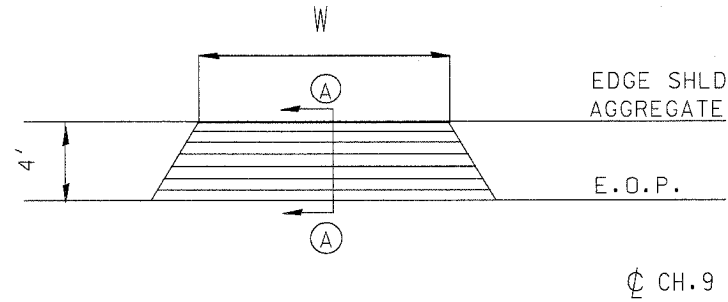
Approved 04-19 2006

Gregory L. Mounts, P.E.  
Region 2 Engineer

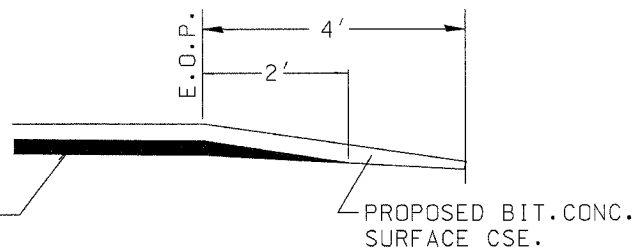


# TYPICAL ENTRANCE DETAIL

W: WIDTH OF APPROACH PADS IS ESTIMATED AT 20' PER ENTRANCE. THE ACTUAL CONSTRUCTED WIDTH MAY VARY AS DIRECTED BY THE ENGINEER TO FIT THE EXISTING ENTRANCES. FIELD ENTRANCES SHALL NOT RECEIVE BIT. CONCRETE SURFACING



SECTION A-A



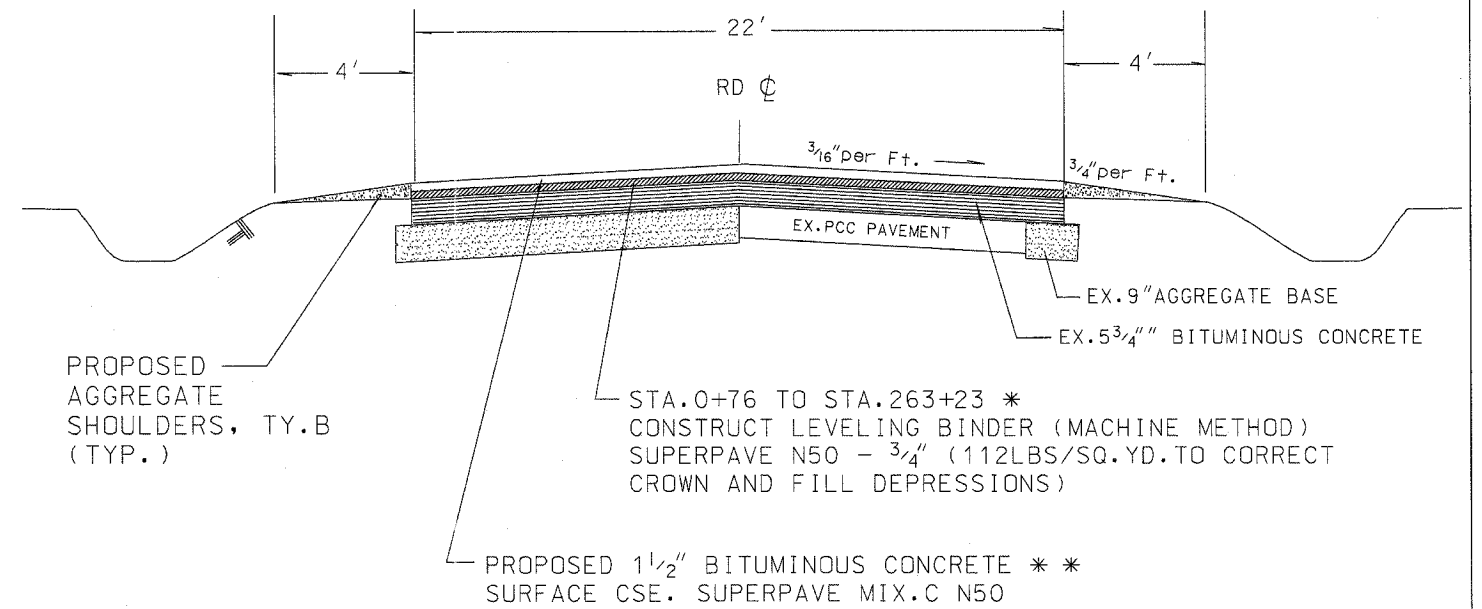
ESTIMATED QUANTITIES- 50 ENTRANCES

ITEM	UNIT	QUANTITY
BITUMINOUS MATERIALS ( PRIME COAT )	GAL	50
LEVELING BINDER (MM) SP N50	TON	16
BIT. CONC. SURFACE CSE SP MIX C. N50	TON	50

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00185-02-RS	KANKAKEE	3	2
CONTRACT NO. 87324			

# TYPICAL CROSS SECTION

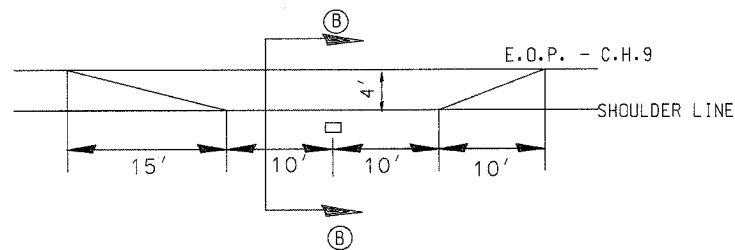
STA. 0+46 TO STA. 263+53



\* LEVELING BINDER OMISSIONS:  
 STA. 64+64 TO STA. 65+27 (BRIDGE DECK)  
 STA. 193+36 TO STA. 196+16 (RECENT BRIDGE IMPROVEMENT)

\*\* BIT. CONC. SURFACE CSE OMISSION:  
 STA. 193+66 TO STA. 195+86

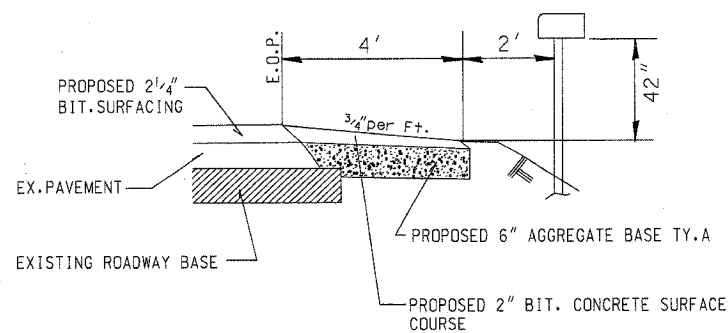
# TYPICAL MAILBOX TURNOUT DETAIL



STATION	SIDE	STATION	SIDE
6+54	LT	142+37	LT
54+72	LT	153+04	LT
95+24	LT		

NOTE: MBTO'S PREVIOUSLY CONSTRUCTED SHALL RECEIVE BIT. CONCRETE SURFACING ONLY.

SECTION B-B

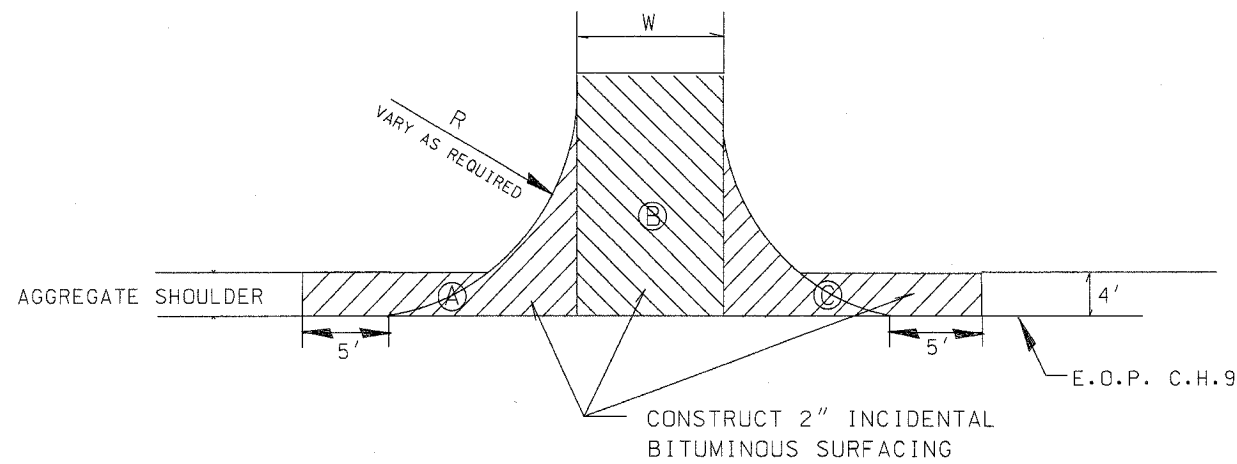


ITEM	UNIT	QUANTITY
EARTH EXCAVATION	CU YD	17
AGG. BASE CSE. , TY. A	TON	34
BIT. MATERIALS ( PRIME COAT )	GAL	66
BIT. CONC. SURFACE CSE. SUPERPAVE MIX C. N50	TON	88

# ESTIMATED QUANTITIES ON TANGENTS

ITEM	UNIT	QUANTITY
AGGREGATE SHOULDERS TY.B	TON	3327
BITUMINOUS MATERIALS ( PRIME COAT )	GALLON	12753
AGGREGATE (PRIME COAT)	TON	255
BIT. CONC. SURF. CSE. SUPERPAVE MIX C. N50	TON	5357
LEVELING BINDER (MM) SUPERPAVE N50	TON	3555
SHORT-TERM PAVEMENT MARKING	FOOT	5233

# INTERSECTION DETAIL



INTERSECTION QUANTITY SCHEDULE

STATION	AREA	WIDTH	RADIUS	INCIDENTAL BIT. SURFACING (TON)	BIT. MATRLS. (PRIME COAT) (GAL)	AGGREGATE (PRIME COAT) (TON)	LOCATION
26+39LT	A B C	16	30	15	5	0.5	4500W
80+12LT	A B C	16	30	15	5	0.5	3500W
107+07RT	A B C	16	30	15	5	0.5	3000W
146+76RT	A B C	20	30	20	5	0.5	2250W
186+81LT	A B C	16	30	15	5	0.5	1500W
213+91RT	A B C	20	30	20	5	0.5	1000W
TOTALS				100	30	3	

## Pavement Design Data

Design Period = 8 Years  
 ADT = 3904 (2006) 4064 (2010)  
 P.V. = 88 = 3577 S.U. = 5 % = 203 M.U. = 15 % = 222  
 T.F. = 0.44  
 Dt = 3.05  
 Pavement Structure Number  
 Ex. 9" AGGREGATE BASE (crushed) 9 x 0.08 = 0.72  
 Ex. 3 3/4" CLASS I 3.75 x 0.23 = 0.86  
 Ex. 2" CLASS I 2 x 0.30 = 0.60  
 Prop. 2 1/4" BC Surface Cse. 2.25 x 0.40 = 0.90  
 3.08

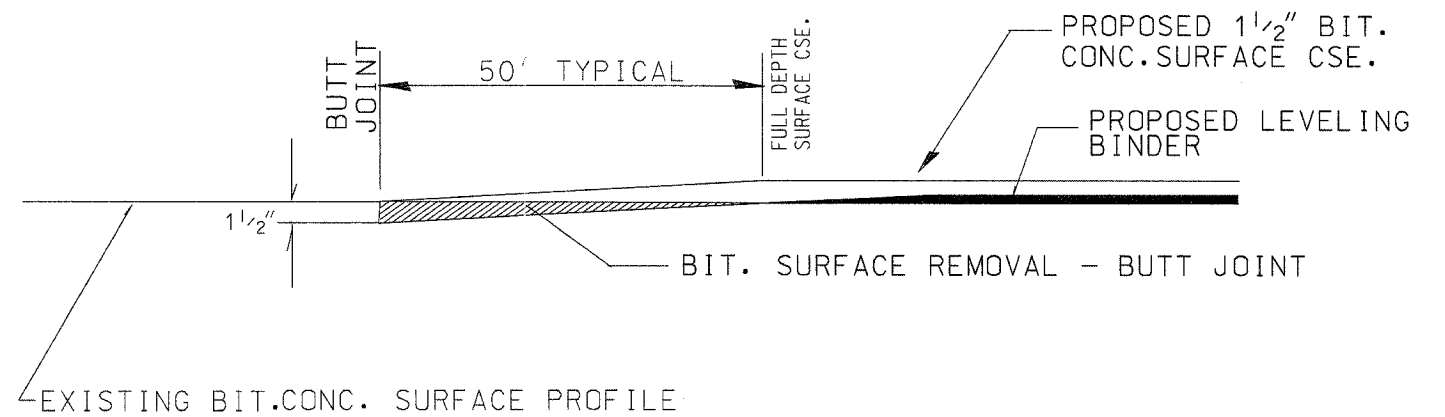
Marshall Stability ≥ 1700

	SUPERPAVE LEVEL BINDER	SUPERPAVE SURFACE
PG GRADE	PG58-22	PG58-22
MAX % RAP ALLOWABLE**	15%	15%
DESIGN AIR VOIDS	4.0%	4.0%
MIXTURE COMPOSITION	IL 9.5	IL 9.5
FRICTION AGGREGATE	MIXTURE C	MIXTURE C
PLANT CONTROL LIMITS	CLASS I	CLASS I
DENSITY TEST METHOD		% of GROWTH CURVE

\*\* IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00185-02-RS	KANKAKEE	3	3
CONTRACT NO. 87324			

# PAVEMENT REMOVAL DETAILS



BITUMINOUS SURFACE REMOVAL AND TEMPORARY RAMP SCHEDULE

STATION	BIT. SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP (3' Wide)
0+46	73	7
193+66	73	7
195+86	73	7
263+53	73	7
TOTALS	292 SQ YD	28 SQ YD

## GENERAL NOTES:

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL UTILITY LOCATIONS .
- PERMANENT PAVEMENT MARKINGS TO BE INSTALLED BY THE KANKAKEE COUNTY HIGHWAY DEPT.