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STANDARDS

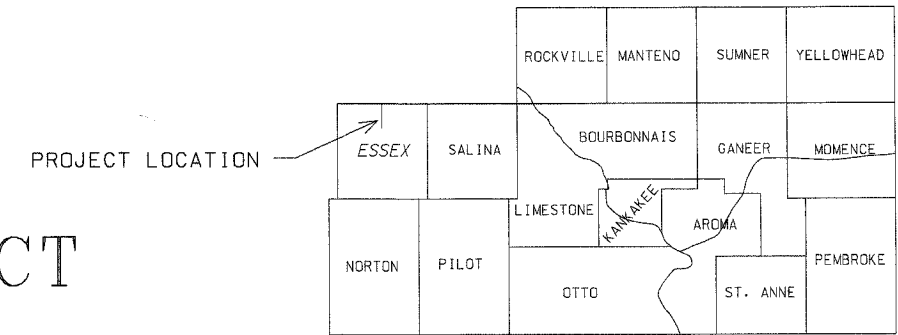
701301-02	TRAFFIC CONTROL
701306-01	TRAFFIC CONTROL
702001-05	TRAFFIC CONTROL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
COUNTY OF KANKAKEE
DEPARTMENT OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID SECONDARY PROJECT
SECTION 02-00042-02-RS
F.A.S. 1301 (CH 41)

PROJECT RS - 1301(104) JOB NO. C-93-045-05

F.A.S. ROUTE NO.	SEC.	COUNTY	NO. SHEETS	SHEET NO.
1301	*	Kankakee	3	1
ILLINOIS PROJECT		Contract No. 87306		

* 02-00042-02-RS



KANKAKEE COUNTY

SUMMARY OF QUANTITIES

CODE NO.	Description	Quantity	Unit
* X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX C, N 50	1725	TON
* X4066765	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N 50	1300	TON
* 20200100	EARTH EXCAVATION	47	CU YD
* 35100100	AGGREGATE BASE COURSE, TY A	97	TON
* 40600100	BITUMINOUS MATERIALS (PRIME COAT)	2461	GALLON
40600300	AGGREGATE (PRIME COAT)	57	TON
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	654	SQ YD
40600990	TEMPORARY RAMP	14	SQ YD
40800040	INCIDENTAL BITUMINOUS SURFACING	300	TON
* 48101200	AGGREGATE SHOULDERS, TYPE B	1091	TON
* 70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	1	L SUM
* 70300100	SHORT-TERM PAVEMENT MARKING	1880	FOOT
67100100	MOBILIZATION	1	L sum

Construction Code I000

* Special Provisions

CONTRACT NO. 87306

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

DESIGNED BY AKD

CONSTRUCTION ENDS
STA. 106+70 (North County Line)
(STA. = 106+12 @ 6000N)
Stationing per Section 92-00042-01-RS

ESSEX ROAD DISTRICT

Station 94+92
Double Box Culvert
SN 046-3492



LOCATION MAP

NET LENGTH = 9401 LIN FT = 1.78 MILES

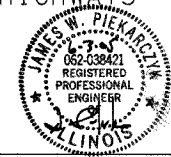
THE ACCEPTANCE OF THIS PROJECT IS BASED ON THE MINIMUM DESIGN CRITERIA FOR LOCAL AGENCY PAVEMENT PRESERVATION POLICY (LAPP) PROJECTS

CLASS II ROAD
CURRENT A.D.T. = 2369
DESIGN A.D.T. = 2487
DESIGN SPEED = 50 M.P.H.
Functional Class = Collector



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Submitted 6-3 2005



James W. Piekarczyk, P.E.
County Engineer

Passed 6-13 2005

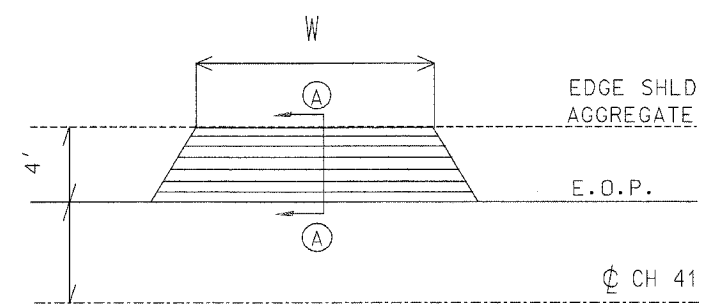
James R. Throadgill III
Bureau Chief, Local Roads & Streets

Approved 6/13 2005

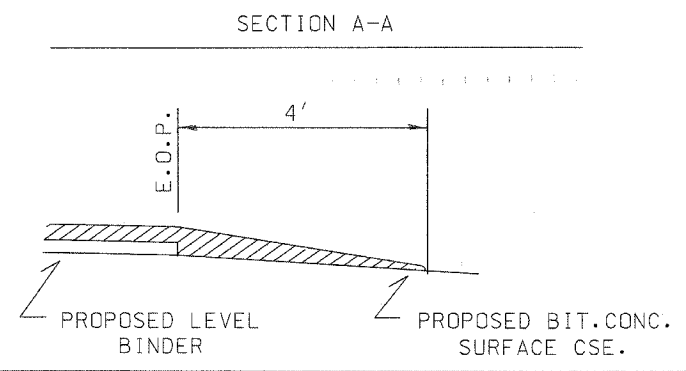
Greg Mounts
Region 2 Engineer

TYPICAL ENTRANCE DETAIL

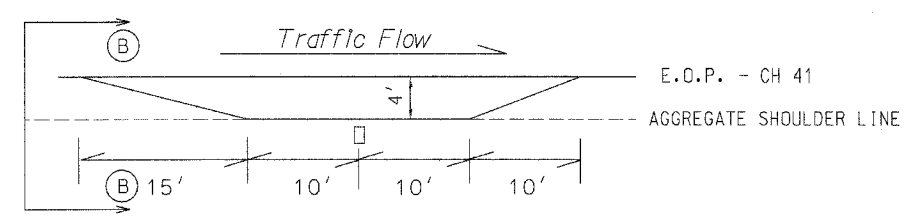
W : WIDTH OF APPROACH PADS IS ESTIMATED AT 20' PER ENTRANCE .
THE ACTUAL CONSTRUCTED WIDTH MAY VARY AS DIRECTED BY THE
ENGINEER TO FIT THE EXISTING ENTRANCES .



ESTIMATED QUANTITIES-40 ENTRANCES		
ITEM	UNIT	QUANTITY
BITUMINOUS MATERIALS (PRIME COAT)	GAL	30
BIT. CONC. SURFACE CSE. MIX C CL I TY. 2	TON	60



TYPICAL MAILBOX TURNOUT RESURFACING DETAIL

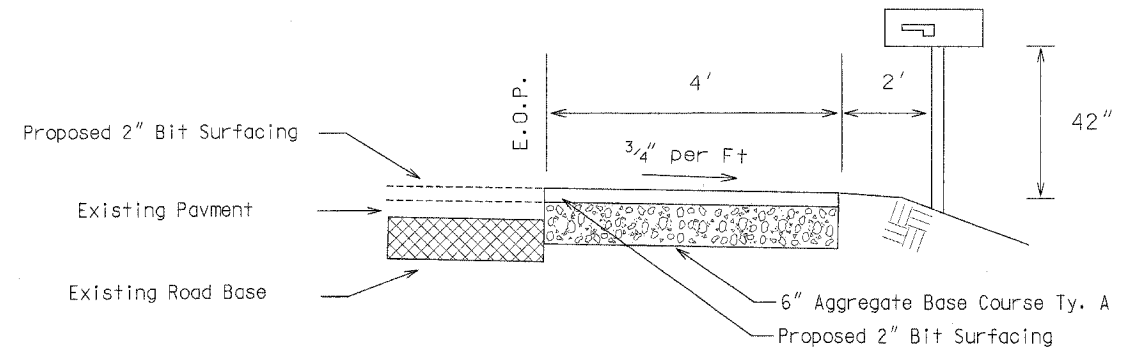


MAILBOX TURNOUT SCHEDULE			
STATION	SIDE	STATION	SIDE
21+94	RT	37+83	RT
26+40	RT	38+82	RT
29+70	RT	46+12	RT
31+09	RT	54+22	RT
31+65	RT	57+19	RT
34+69	RT	84+34	RT
36+79	RT		
37+13	RT		

ESTIMATED QUANTITIES - 14 MAILBOX TURNOUTS		
ITEM	UNIT	QUANTITY
Earth Excavation	CuYd	47
Agg. Base Course, Ty A	TON	97
BIT. MATERIALS (PRIME COAT)	GAL	28
BIT. CONC. SURFACE CSE. MIX C , N50	TON	36

IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UTILITIES

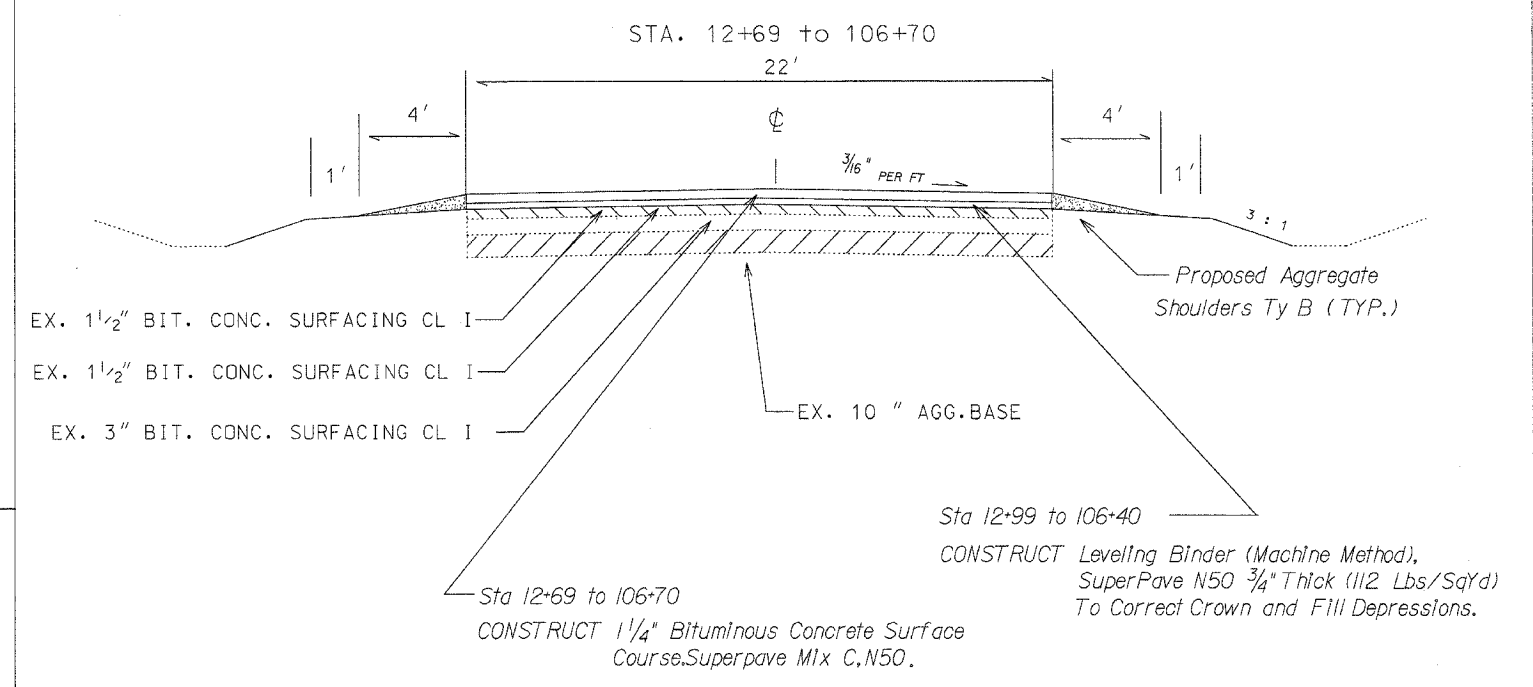
Section B-B



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00042-02-RS	KANKAKEE	3	2

Contract No. 87306

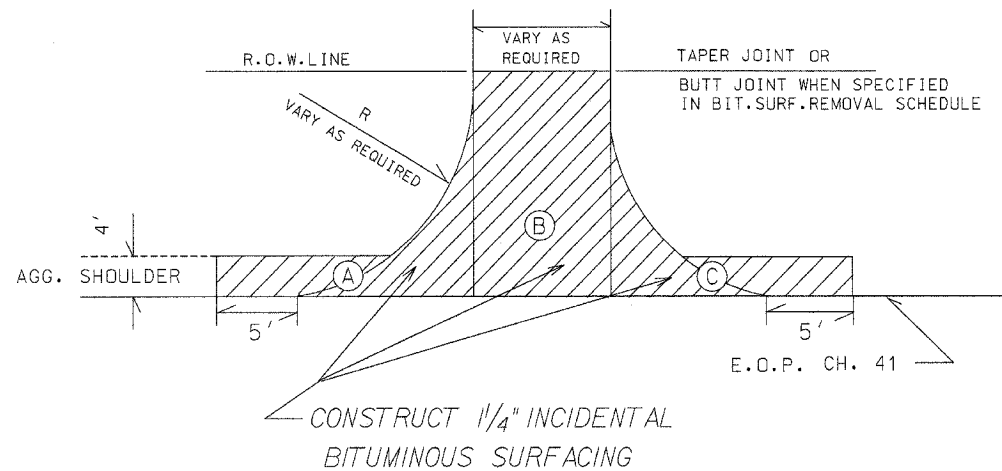
TYPICAL CROSS SECTION



ESTIMATED QUANTITIES ON TANGENT

ITEM	UNIT	Quantity
Bituminous Materials (Prime Coat)	GALLON	2298
Aggregate (Prime Coat)	TON	46
Leveling Binder (MM) Superpave , N50	TON	1300
Bit. Con. Surf. Cse. Superpave Mix C , N50	TON	1629
Aggregate Shoulders Ty. B	TON	1091
Short Term Pavement Marking	FOOT	1880

INTERSECTION DETAIL



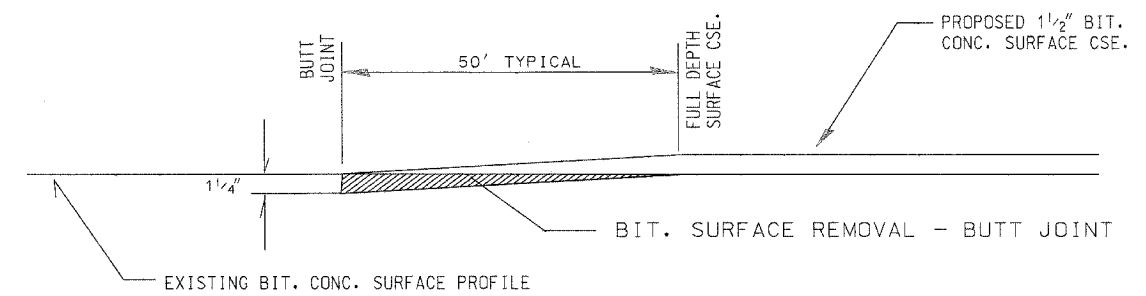
INTERSECTION QUANTITY SCHEDULE								
STATION	AREA	SIDE	WIDTH	RADIUS	INCIDENTAL BIT. SURFACING (TON)	BIT. MATRLS. (PRIME COAT) (GAL)	AGGREGATE (PRIME COAT) (TON)	LOCATION
13+36	A+B+C	L+R+	20 (B)	30(A) 30(C)	30	10	1.0	CH 6
16+78	A+B+C	LT	13 (B)	30(A) 30(C)	10	5	0.5	Pacific
25+04	A+B+C	LT	20 (B)	30(A) 30(C)	30	10	1.0	Merchant
29+74	A+B+C	LT	13 (B)	30(A) 30(C)	10	5	0.5	Maple
36+74	A+B+C	LT	14 (B)	30(A) 30(C)	10	5	0.5	Oak
39+92	A+B+C	LT	20 (B)	30(A) 30(C)	20	10	0.5	North
47+83	A+B+C	RT	24 (B)	30(A) 30(C)	25	10	1.0	Schott
53+72	A+B+C	RT	24 (B)	30(A) 30(C)	25	10	1.0	Burr
59+23	A+B+C	RT	24 (B)	30(A) 30(C)	25	10	1.0	Prairie
61+68	A+B+C	LT	24 (B)	30(A) 30(C)	25	10	1.0	Ace
68+64	A+B+C	LT	65 (B)	30(A) 30(C)	30	10	1.0	*
106+12	A+B+C	L+R+	20 (B)	30(A) 30(C)	30	10	1.0	6000N
Total					300	105	11	

* Main Entrance into High Point Estates

PAVEMENT REMOVAL - BUTT JOINT

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00042-02-RS	KANKAKEE	3	3

Contract No. 87306



BITUMINOUS SURFACE REMOVAL AND TEMPORARY RAMP SCHEDULE		
STA TO STA	BIT. SURFACE REMOVAL - BUTT JOINT 1 1/4"	TEMPORARY RAMP (3' Wide)
12+69 to 12+99 (Mainline)	73 Sq Yd	7 Sq Yd
13+36 15'-30' Lt	33 Sq Yd	
13+36 15'-30' Rt	33 Sq Yd	
16+78 15'-30' Lt	22 Sq Yd	
25+04 35'-50' Lt	33 Sq Yd	
29+74 15'-30' Lt	22 Sq Yd	
36+74 15'-30' Lt	23 Sq Yd	
39+92 15'-30' Lt	33 Sq Yd	
47+83 15'-30' Rt	40 Sq Yd	
53+72 15'-30' Rt	40 Sq Yd	
59+23 15'-30' Rt	40 Sq Yd	
61+68 15'-30' Lt	40 Sq Yd	
*68+64 35'-50' Lt	83 Sq Yd	
106+12 15'-30' Lt	33 Sq Yd	
106+12 15'-30' Rt	33 Sq Yd	
106+40 to 106+70 (Mainline)	73 Sq Yd	7 Sq Yd
Total	654 Sq Yd	14 Sq Yd

Pavement Design Data

Design Period = 10 Years
 A.D.T. = 2369 (2005) 2487 (2010)
 P.V. = 92 % = 2288 S.U. = 4 % = 99 M.U. = 4 % = 100
 T.F. = 0.20
 Dt = 3.25

PAVEMENT STRUCTURE NUMBER

Ex. 10" Agg. Base (Crushed). 10 X 0.10 = 1.00
 Ex. 3" Bit. Class I Surfacing 3 X 0.23 = 0.69
 Ex. 1.5" Bituminous Surf. Treatment 1.5 X 0.25 = 0.38
 Ex. 1.5" Bituminous Surf. Treatment 1.5 X 0.30 = 0.45
 Prop. 2" Bit Conc. Surface N50 2.0 X 0.40 = 0.80

Marshall Stability \geq 1700 3.32

	Incidental Bit. Surfacing	Superpave Leveling Binder	Superpave Surface
PG Grade	PG 58-22	PG 58-22	PG 58-22
Max % Rap	15%	15%	15%
Design Air Voids	4.0%	4.0%	4.0%
Mixture Composition	IL 9.5 MM	IL 9.5 MM	IL 9.5 MM
Friction Aggregate	Mix C	Mix C	Mix C
Density Control Limits	% of Growth Curve	Satisfaction of Engineer	% of Growth Curve