

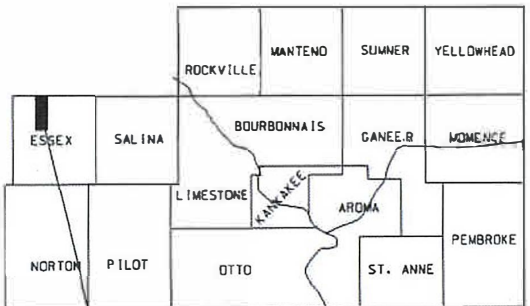
06-13-2025 LETTING ITEM 161

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
COUNTY OF KANKAKEE
DEPARTMENT OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID SECONDARY PROJECT
SECTION 18-00042-03-RS
F.A.S. 1301 (C.H.41) PROJECT KR3Z (125)
JOB NO. C-93-014-25

F.A.S.ROUTE NO.	SEC.	COUNTY	NO.SHEETS	SHEET NO.
1301	*	Kankakee	3	1
PROJECT KR3Z (125)			CONTRACT NO. 87860	

* 18-00042-03-RS

KANKAKEE COUNTY



PROJECT LOCATION



INDEX OF SHEETS

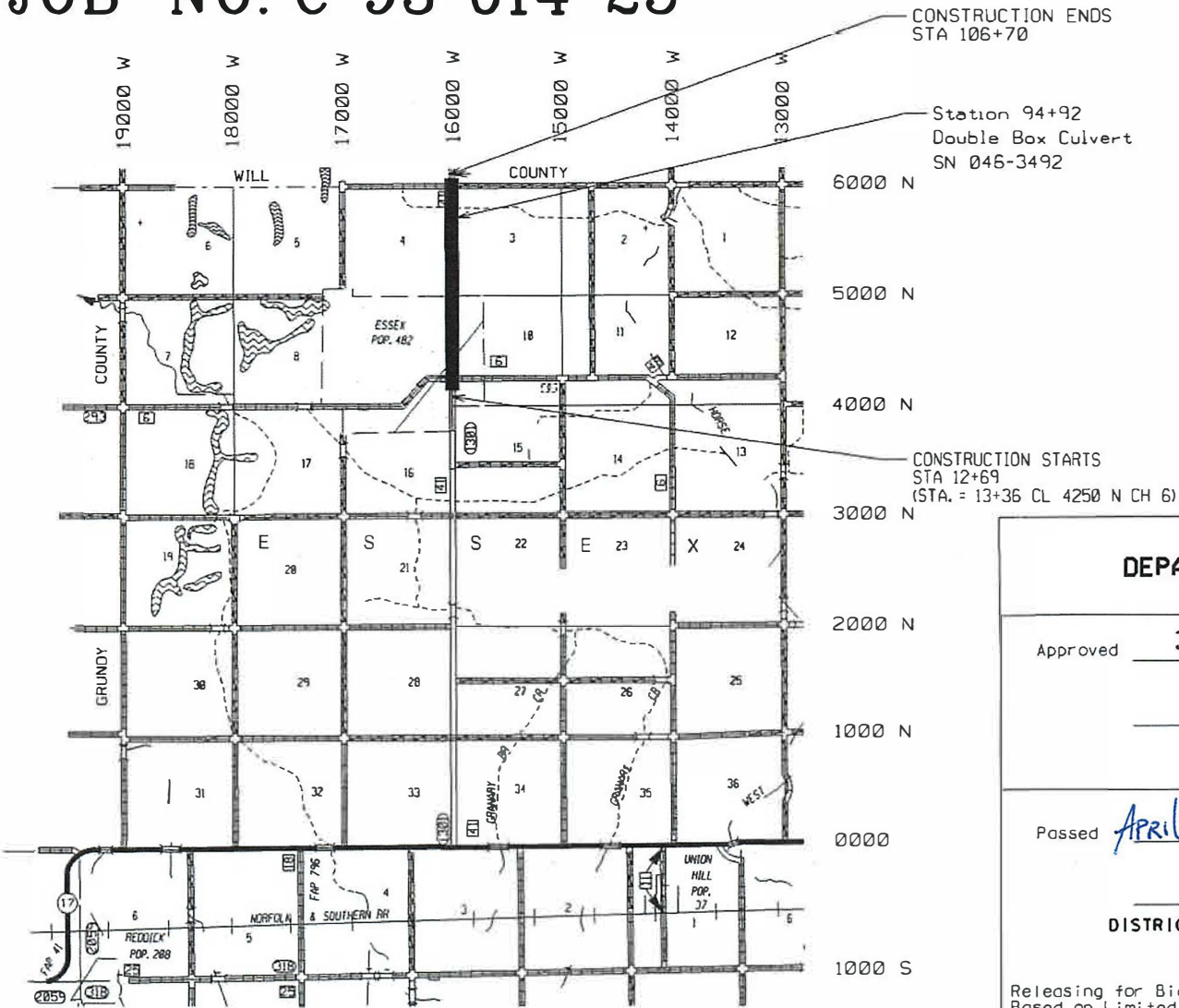
Sheet No.	Description
1	COVER SHEET
2	TYPICAL CROSS SECTION AND DETAILS
3	DETAILS & SCHEDULES

STANDARDS

000001-08	STANDARD SYMBOLS ABBREVIATIONS AND PATTERNS
701006-05	OFF-RO OPERATIONS. SL. 2W. 15' TO 24' FROM PAVEMENT EDGE
701301-04	LANE CLOSURE 2L2W-SHORT TIME OPERATION
701306-04	LANE CLOSURE 2L2W SLOW MOVING OP ON DAY ONLY +45 MPH
701901-10	TRAFFIC CONTROL DEVICES

CONTRACT NO. 87860

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



LOCATION MAP

NET LENGTH 9,401 LIN FT = 1.78 MILES

THE ACCEPTANCE OF THIS PROJECT
IS BASED ON THE MINIMUM DESIGN
CRITERIA FOR LOCAL AGENCY
FUNCTIONAL OVERLAY POLICY
(LAFO) PROJECTS

CLASS II ROAD
2024 CURRENT A.D.T. = 1450
2031 DESIGN A.D.T. = 1755
DESIGN SPEED = 55 M.P.H.
ROADWAY CLASSIFICATION = COLLECTOR

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Approved

3/24

2025

GREG HEJDEN, P.E.
KANKAKEE COUNTY ENGINEER

Passed

April 10,

2025

DISTRICT 3 ENGINEER OF LOCAL ROADS & STREETS

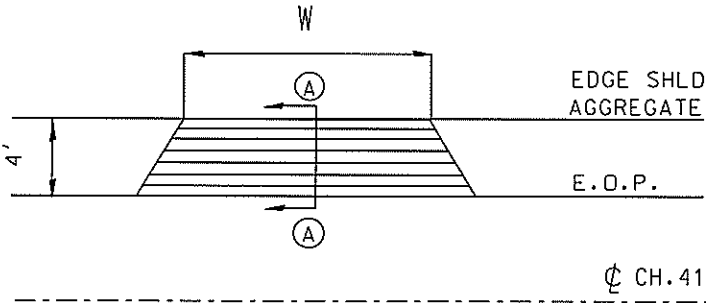
Releasing for Bid
Based on Limited
Review

April 10, 2025

REGION 2 ENGINEER

TYPICAL ENTRANCE DETAIL

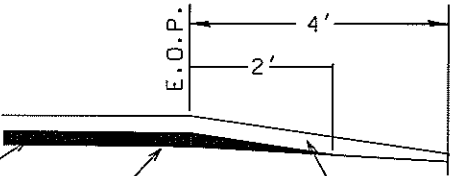
W :WIDTH OF APPROACH PADS IS ESTIMATED AT 20' PER ENTRANCE . THE ACTUAL CONSTRUCTED WIDTH MAY VARY AS DIRECTED BY THE ENGINEER TO FIT THE EXISTING ENTRANCES .
FIELD ENTRANCES SHALL NOT RECEIVE HOT-MIX ASPHALT SURFACING UNLESS DIRECTED BY THE ENGINEER.



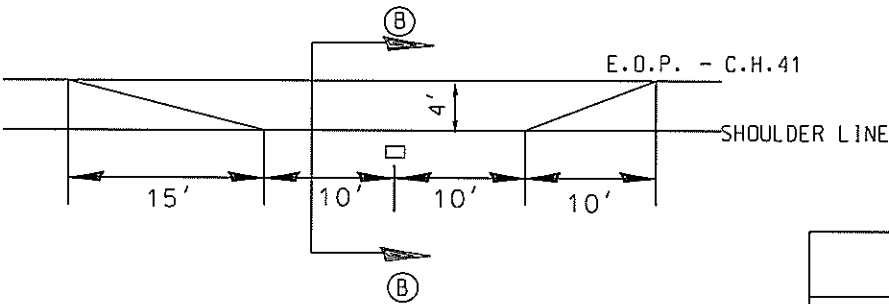
ESTIMATED QUANTITIES- 41 ENTRANCES		
ITEM	UNIT	QUANTITY
BITUMINOUS MATERIALS (TACK COAT)	LBS	240
HMA BINDER COURSE	TON	15
HMA SURFACE COURSE	TON	31
HMA SURFACE REMOVAL, 2"	SQ YD	369

PROPOSED BINDER COURSE
PROPOSED HMA SURFACE REMOVAL, 2"
PROPOSED SURFACE COURSE

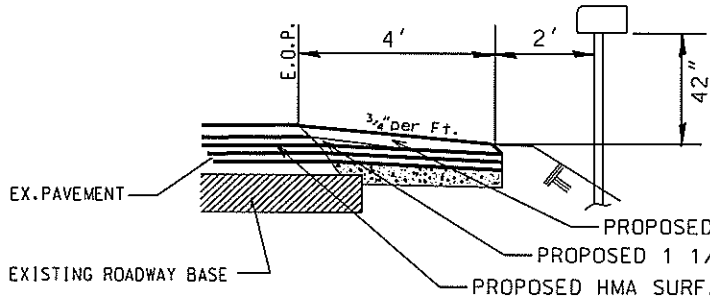
SECTION A-A



TYPICAL MAILBOX TURNOUT DETAIL



SECTION B-B



ESTIMATED QUANTITIES - 41 MAILBOX TURNOUTS		
ITEM	UNIT	QUANTITY
BIT. MATERIALS (TACK COAT)	LBS	240
HMA BINDER COURSE	TON	15
HMA SURFACE COURSE	TON	31
HMA SURFACE REMOVAL, 2"	SQ YD	369

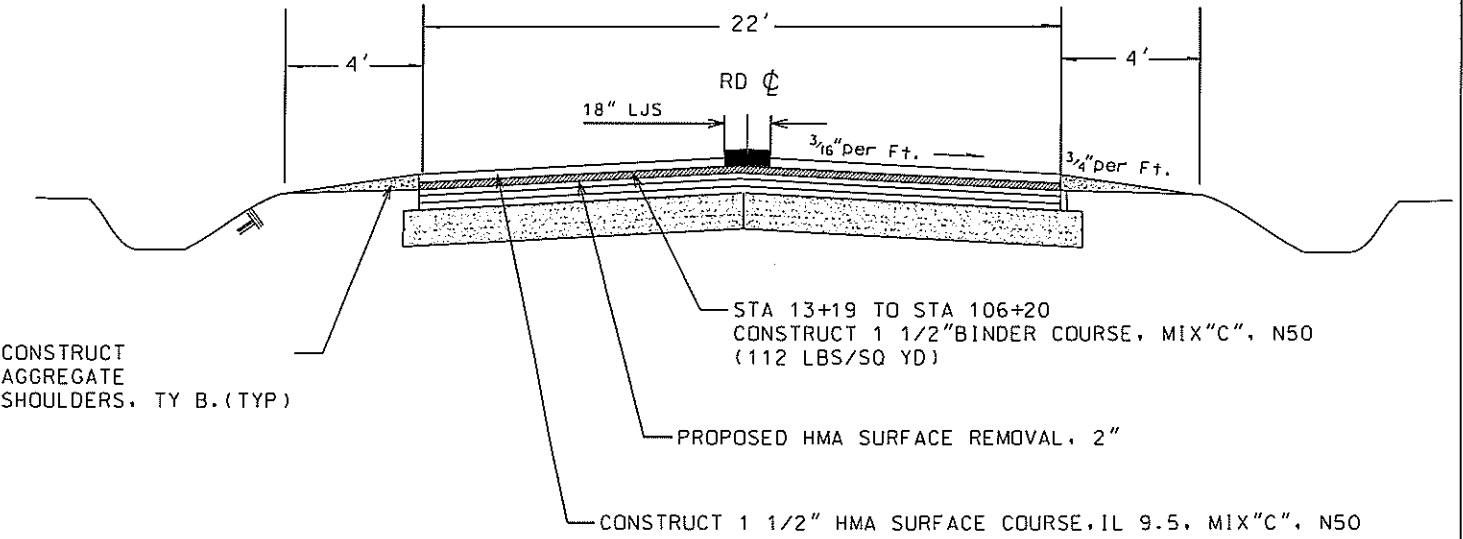
ALL MBTO'S HAVE BEEN PREVIOUSLY CONSTRUCTED AND SHALL RECEIVE HMA SURFACING ONLY.

PROPOSED 1 1/2" HMA SURFACE CSE. MIX C, N50
PROPOSED 1 1/2" HMA BINDER CSE. MIX C, N50
PROPOSED HMA SURFACE REMOVAL, 2"

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
18-00042-03-RS	KANKAKEE	3	2
CONTRACT NO. 87860			

TYPICAL CROSS SECTION

STA.12+69 TO STA.106+70



CONSTRUCT AGGREGATE SHOULDERS, TY B. (TYP)

PROPOSED HMA SURFACE REMOVAL, 2"

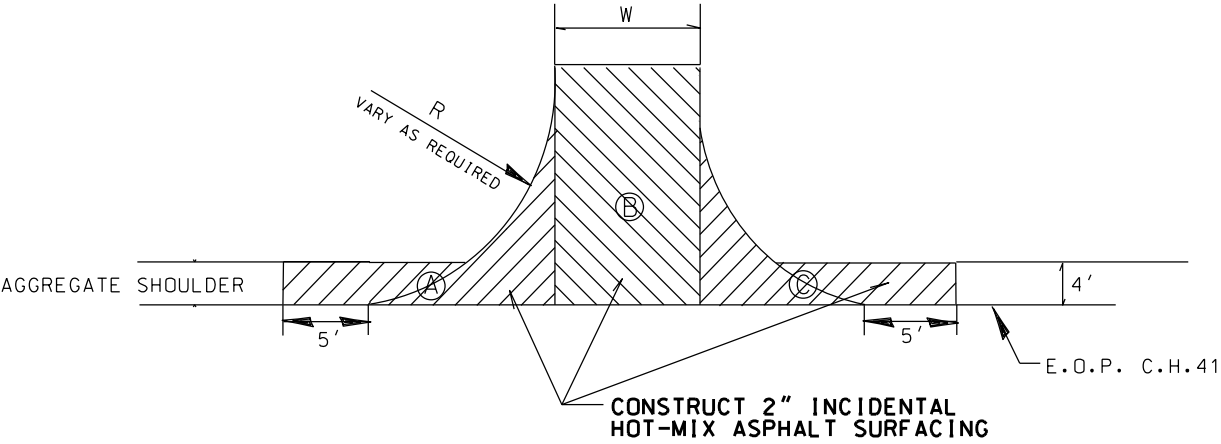
CONSTRUCT 1 1/2" HMA SURFACE COURSE, IL 9.5, MIX "C", N50

Code Number	Item	Unit of Measure	Quantity
40600290	Bituminous Materials (Tack Coat)	Pounds	22277
40600370	Longitudinal Joint Sealant	Foot	9401
40600405	Material Transfer Device	Ton	3932
40600990	Temporary Ramp	Sq Yd	189
40602978	HMA Binder Course, IL-9.5, N50	Ton	1940
40604050	HMA Surface Course, IL-9.5, Mix "C", N50	Ton	1992
40800050	Incidental HMA Surface	Ton	381
44000157	HMA Surface Removal, 2"	Sq Yd	26089
44000200	Driveway Pavement Removal	Sq Yd	352
48101200	Aggregate Shoulders, Type B	Ton	714
67100100	Mobilization	L Sum	1
70100460	Traffic Control Protection Stnd 701306	L Sum	1
70300100	Short Term Pavement Marking	Foot	3740

ESTIMATED QUANTITIES ON TANGENTS

ITEM	UNIT	QUANTITY
AGGREGATE SHOULDERS TY.B	TON	714
BITUMINOUS MATERIALS (TACK COAT)	POUNDS	20572
LONGITUDINAL JOINT SEALANT	FEET	9401
HOT-MIX ASPHALT SURFACE CSE MIX C, N50	TON	1931
HOT-MIX ASPHALT BINDER COURSE MIX C, N 50	TON	1910
SHORT-TERM PAVEMENT MARKING	FOOT	3740
HMA SURFACE REMOVAL, 2"	SQ YD	22980

INTERSECTION DETAIL



INTERSECTION & DRIVEWAY QUANTITY SCHEDULE							
STATION	AREA	WIDTH	RADIUS	INCIDENTAL HMA SURFACING (TON)	BIT. MATRLS. (PRIME COAT) (LBS)	LOCATION	
13+35 LT	A — C	22	30	16	52	CH 6	
13+35 RT	A B C	20	30	15	50	CH 6	
16+80 LT	A B C	13	25	12	39	PACIFIC	
18+50 LT	A B C	12	20	4	14	N. LINDEN	
25+05 LT	A B C	17	30	18	56	MERCHANTS	
29+80 LT	A B C	13	25	12	39	N. MAPLE	
36+85 LT	A B C	14	25	13	41	W. OAK	
40+00 LT	A B C	15	30	13	42	W. NORTH	
48+00 LT	A B C	26	30	23	73	SCHOTT DR.	
54+00 RT	A B C	26	30	23	73	BURR RIDGE	
59+50 RT	A B C	24	30	18	59	PRAIRIE DR.	
61+85 LT	A B C	24	30	23	75	ACE LN.	
68+85 LT	A B C	45	30	28	90	HIGH PNT. DR.	
106+12 LT	A B C	19	25	15	48	6000 N	
106+12 RT	A B C	19	25	15	48	6000 N	
HOUSE ENT.	HMA ER to ROW			49	158	(11) LOCATIONS	
18+11 RT	HMA ER to ROW			19	61	CHURCH	
28+21 RT	HMA ER to ROW			18	57	DOLLAR GEN.	
43+96 RT	HMA ER to ROW			47	151	ESSEX GRAIN	
		TOTALS		381	1226		

HMA MIXTURE REQUIREMENT TABLE

LOCATION:	Entire Project	Entire Project	Entire Project
MIX USE:	HMA Binder	HMA Surface	HMA Incidental
BINDER GRADE:	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR Voids:	4.0% N50	4.0% N50	4.0% N50
MIX COMPENSATION:	IL 9.5	IL 9.5	IL 9.5
FRICTION AGGREGATE:	MIX C	MIX C	MIX C
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT:	QC/QA	QC/QA	QC/QA
PROGRAM			
SUBLOT SIZE:	N/A	N/A	N/A
MAT. TRANSFER DEVICE (REQUIRED)	YES	YES	NO

GENERAL NOTES:

1. IT SHALL BE THE CONTRACTOR’S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL UTILITY LOCATIONS.

2. PERMANENT PAVEMENT MARKINGS TO BE INSTALLED BY THE KANKAKEE COUNTY HIGHWAY DEPT.

3. FLAGMEN SHALL BE REQUIRED DURING PRIMING OPERATIONS.

4. “BUMP SIGNS” SHALL BE REQUIRED AT ALL TANGENT HMA SURFACE REMOVAL, 2” LOCATIONS. THE COST SHALL BE CONSIDERED AS INCLUDED IN THE TRAFFIC CONTROL PAY ITEM.

5. SIDE ROAD FLAGGERS ARE CONSIDERED INCIDENTAL TO HMA SURFACE CRSE. PAY ITEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. BITUMINOUS MATERIALS (TACK COAT) APPLICATION RATES ARE CALCULATED @ A RESIDUAL ASPHALT RATE OF 0.05 LBS/SF FOR BOTH THE MILLED SURFACE AND THE BINDER COURSE.

7. HMA RESURFACING CALCULATED AT 112 LBS/SQ YD/INCH.

8. SHORT TERM PAVEMENT MARKINGS CALCULATED @ 4’ PER 40’ FOR MILLING, PRIMING, BINDER AND SURFACE.

9. DRIVEWAY PAVEMENT REMOVAL PAY ITEM QUANTITY IS INDICATED ON SCHEDULE BELOW AS VARIOUS HOUSE ENTRANCES LINE. HMA QUANTITY TO REPLACE MILLED AREA IS LOCATED IN THE INTERSECTION & DRIVEWAY SCHEDULE TO THE LEFT.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
18-00042-03-RS	KANKAKEE	3	3
CONTRACT NO. 87860			

HOT-MIX ASPHALT SURFACE REMOVAL AND TEMPORARY RAMP SCHEDULE			
STATION	HMA SURFACE REMOVAL, 2”	DRIVEWAY PAVEMENT REMOVAL	TEMPORARY RAMP (5’ Wide)
12+69 – 13+19	0		12
13+35 LT	116		12
13+35 RT	110		11
16+80 LT	86		7
18+50 LT	32		0
25+05 LT	125		9
29+80 LT	86		7
36+85 LT	90		8
40+00 LT	93		8
48+00 RT	163		14
54+00 RT	163		14
59+50 RT	131		13
61+85 LT	167		13
68+85 LT	200		25
106+12 LT	106		11
106+12 RT	106		11
106+20 – 106+70	0		12
Various House Entr		352	0
18+11 RT CHURCH	136		0
25+21 RT DOLLAR GEN.	126		0
43+96 RT ESSEX GR.	335		0
TOTAL	2371	352	189