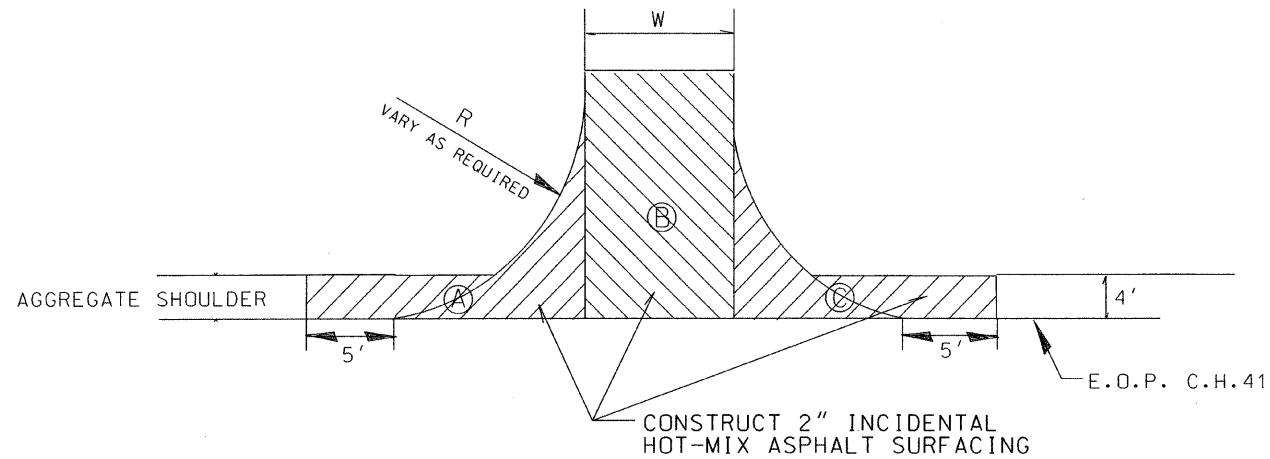
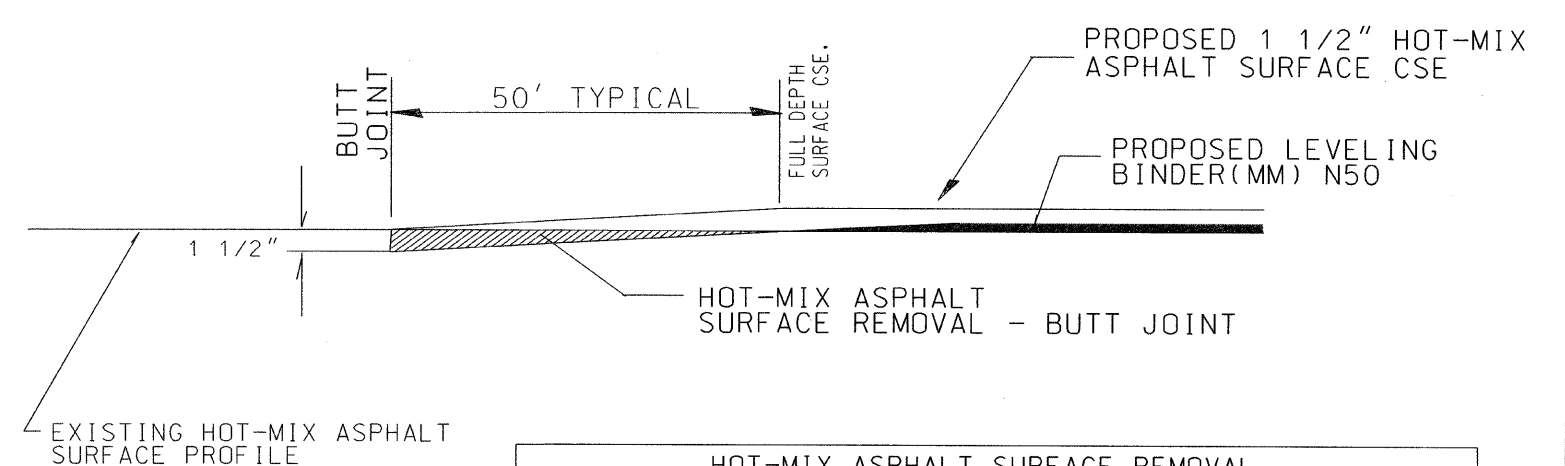


# INTERSECTION DETAIL



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
08-00100-05-RS	KANKAKEE	3	3
CONTRACT NO. 87489			

# PAVEMENT REMOVAL DETAILS



STATION	AREA	WIDTH	RADIUS	INCIDENTAL HMA SURFACING (TON)	BIT. MATRLS. (PRIME COAT) (GAL)	AGGREGATE (PRIME COAT) (TON)	LOCATION
0+17	A C		65	30	20	2	IL RT 17
54+17LT	A B C	18	30	15	5	0.5	1000N
54+17RT	A B C	18	30	15	5	0.5	1000N
80+82LT	A B C	18	30	10	5	0.5	1500N
80+82RT	A B C	18	30	15	5	0.5	1500N
107+18LT	A B C	20	30	15	5	0.5	2000N
160+23LT	A B C	20	30	15	5	0.5	3000N
160+23RT	A B C	20	30	15	5	0.5	3000N
186+75RT	A B C	16	20	10	5	0.5	3500N
TOTALS				140	60	6	

STATION	HMA SURFACE REMOVAL - BUTT JOINT	HMA SURFACE REMOVAL - 1 1/2" *	TEMPORARY RAMP (3' Wide)
0+15	244		38
114+57 to 116+17		431	
213+20	73		7
TOTALS	317 SQ YD	431 SQ YD	45 SQ YD

BRIDGE DECK \*  
 LOCATIONS WIDTH  
 STA. 115+07 TO STA. 115+67 28'  
 \* RESURFACE WITH 1 1/2" HMA SURFACE CSE. (INCLUDED IN TANGENT)

## Pavement Design Data

Design Period = 15 Years  
 ADT = 1978 (2011) 2120 (2018)  
 P.V. = 90% = 1908 S.U. = 6% = 127 M.U. = 4% = 85  
 I.B.R. = 7.0  
 T.F. = 0.35  
 S.N. = 2.85  
 Pavement Structure Number  
 Ex. 9" AGGREGATE BASE (crushed) 9 x 0.08 = 0.72  
 Ex. 3.5" BIT. CL. I SURFACING 3.5 x 0.23 = 0.80  
 Ex. 1.50" BIT. CL. I SURFACING 1.50 x 0.30 = 0.45  
 Prop. 2.25" HMA Surface Cse. 2.25 x 0.40 = 1.20  
 2.87

	LEVEL BINDER	HMA SURFACE
PG GRADE	PG58-22	PG58-22
MAX % RAP ALLOWABLE**	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0%	4.0%
MIXTURE COMPOSITION	IL 9.5	IL 9.5
FRICTION AGGREGATE	MIXTURE C	MIXTURE C
DENSITY TEST METHOD	SATISFACTION OF THE ENGINEER	CORRELATION

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

## 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.
- FLAGMEN SHALL BE REQUIRED DURING PRIMING OPERATIONS.
- "BUMP SIGNS" SHALL BE REQUIRED AT ALL TANGENT HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT LOCATIONS. THE COST SHALL BE CONSIDERED AS INCLUDED IN THE TRAFFIC CONTROL PAY ITEM.

Marshall Stability ≥ 1700