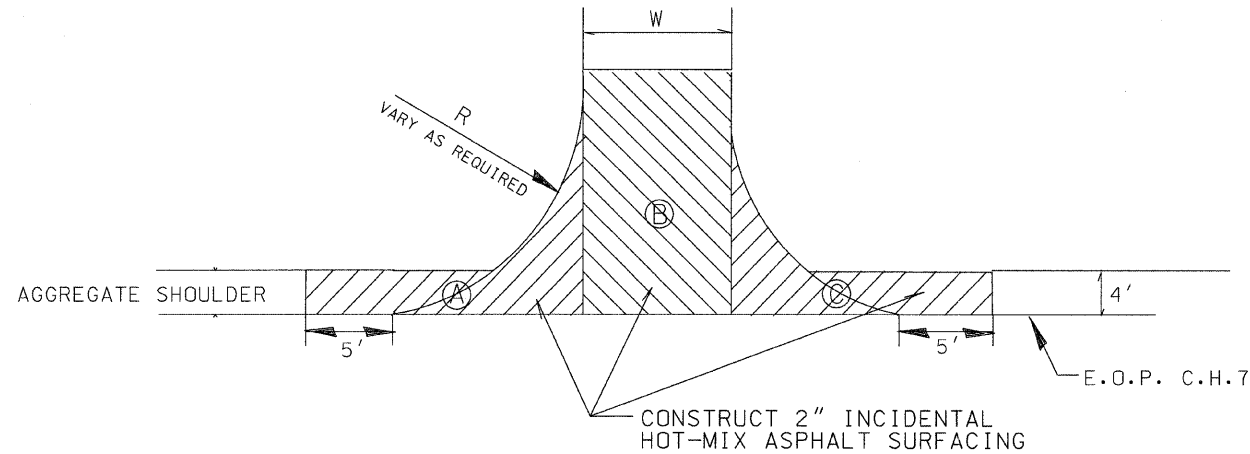


# INTERSECTION DETAIL



INTERSECTION QUANTITY SCHEDULE

STATION	AREA	WIDTH	RADIUS	INCIDENTAL HMA SURFACING (TON)	BIT. MATRLS. (PRIME COAT) (GAL)	AGGREGATE (PRIME COAT) (TON)	LOCATION
0+90	A C	20	30	20	5	0.5	9000N
52+60RT	A B C	18	30	15	5	0.5	8000N
55+79LT	A B C	18	30	15	5	0.5	7940N
88+03RT	A B C	18	30	15	5	0.5	7340N
105+76LT	A B C	18	30	15	5	0.5	7000N
132+50RT	A B C	18	30	10	5	0.5	PARK INT. STABLES
174+10	A C	20	30	20	5	1	IL RT 102
TOTALS				110	35	4	

## Pavement Design Data

Design Period = 8 Years

ADT = 612 (2009) 663 (2019)

P.V. = 96% = 612 S.U. = 3% = 19 M.U. = 1% = 6

T.F. = 0.02

S.N. = 2.30

Pavement Structure Number

Ex. 5" AGGREGATE BASE (crushed) 5 x 0.08 = 0.40

Ex. 6" CL.B 6 x 0.17 = 1.02

Ex. 3" CLASS I 3 x 0.23 = 0.69

Prop. 2.25" HMA Surface Cse. 2.25 x 0.40 = 0.80

3.01

Marshall Stability  $\geq$  1700

## HMA MIXTURE REQUIREMENTS

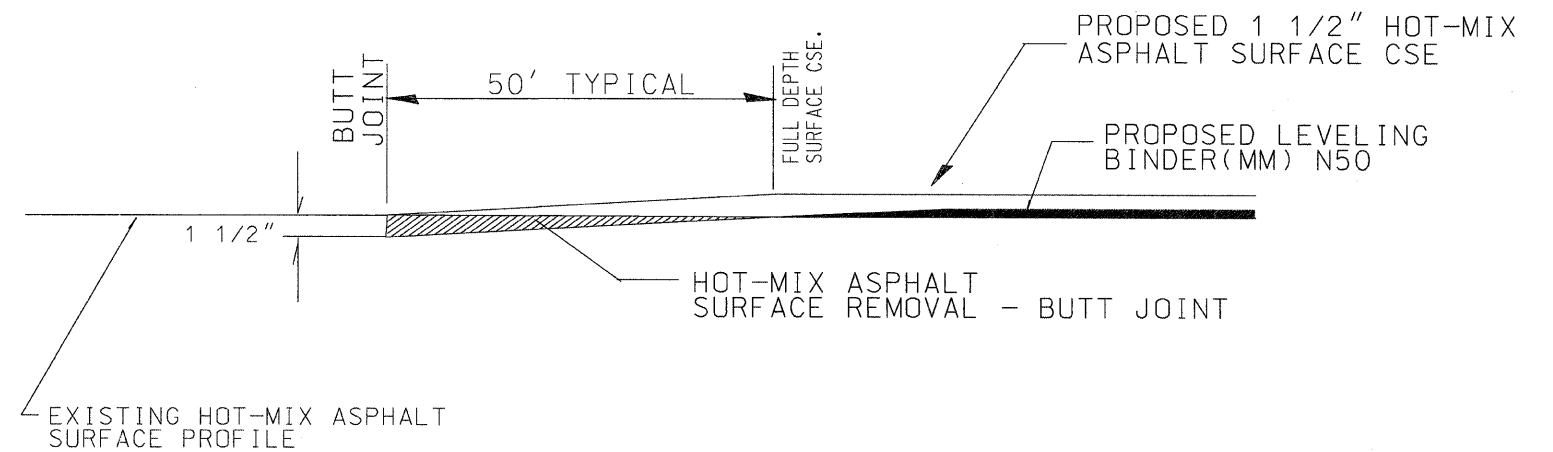
	LEVEL BINDER	HMA SURFACE
PG GRADE	PG58-22	PG58-22
MAX % RAP ALLOWABLE**	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0%	4.0%
MIXTURE COMPOSITION	IL 9.5	IL 9.5
FRICTION AGGREGATE	MIXTURE C	MIXTURE C
DENSITY TEST METHOD	SATISFACTION OF THE ENGINEER	CORRELATION

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

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
08-00041-04-RS	KANKAKEE	3	3

CONTRACT NO. 87418

## PAVEMENT REMOVAL DETAILS



HOT-MIX ASPHALT SURFACE REMOVAL AND TEMPORARY RAMP SCHEDULE

STATION	HMA SURFACE REMOVAL - BUTT JOINT	HMA SURFACE REMOVAL - 1 1/2"	TEMPORARY RAMP (3' Wide)
0+90	110		7
101+23 TO 103+17*		507	
174+10	110		7
TOTALS	220 SQ YD	507 SQ YD	14 SQ YD

\* INCLUDES 40' APPROACH TAPER NORTH AND SOUTH FROM THE END OF THE BRIDGE DECK

## 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.
- FURNISH EXCAVATION & LANDSCAPING AT SIDE ROADS AND ENTRANCES SHALL BE CONSTRUCTED BY THE KANKAKEE COUNTY HIGHWAY DEPT.