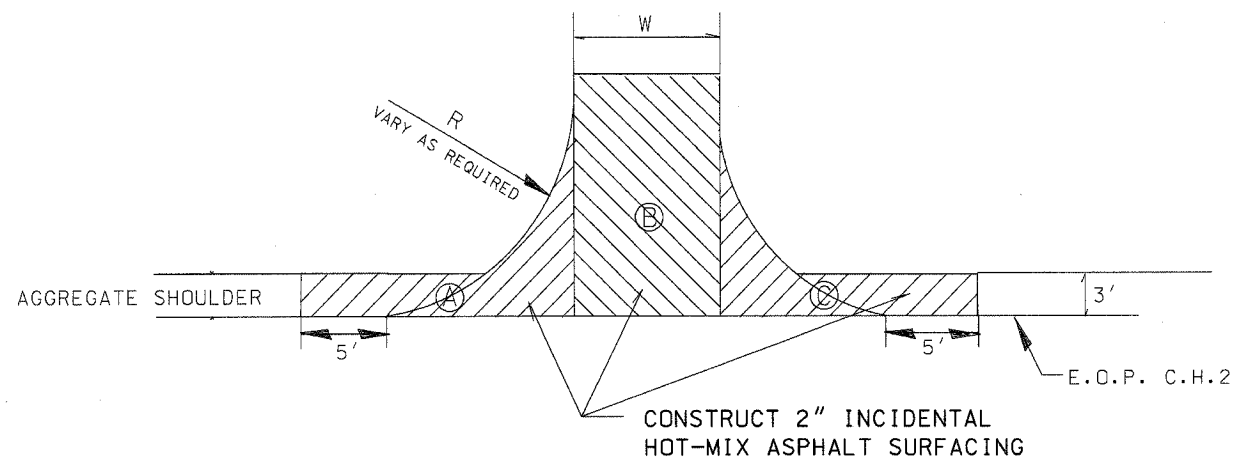


INTERSECTION DETAIL

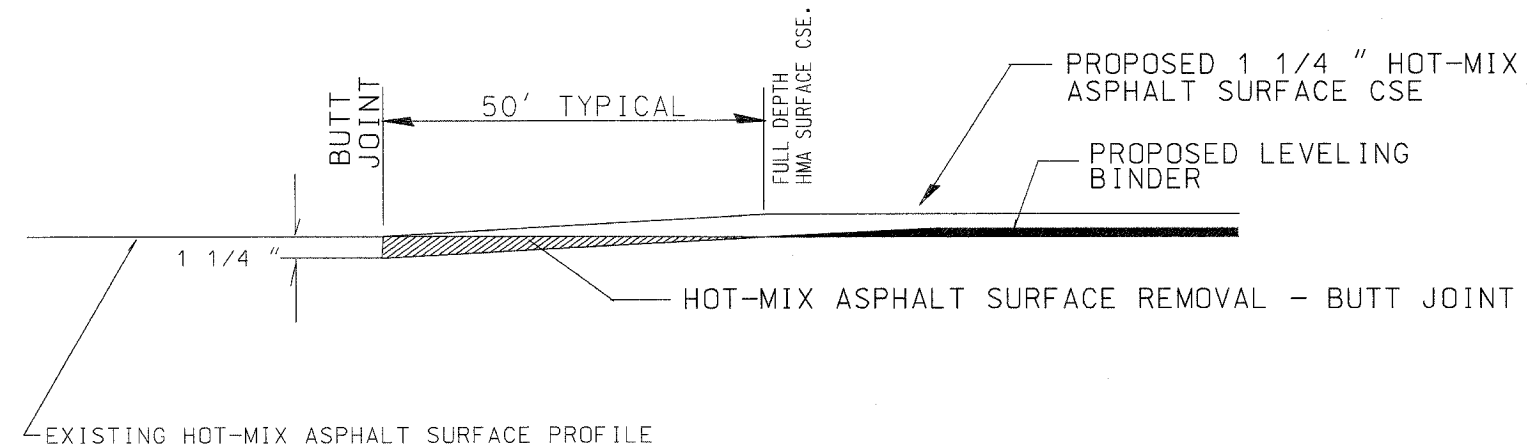


STATION	AREA	WIDTH	RADIUS	INCIDENTAL HMA SURFACING (TON)	BIT. MATRLS. (PRIME COAT) (GAL)	AGGREGATE (PRIME COAT) (TON)	LOCATION
46+54LT	A B C	20	30	15	5	0.5	11380E
102+65LT	A B C	20	30	15	5	0.5	0750S
144+08LT	A B C	20	30	15	5	0.5	12000E
144+08RT	A B C	20	30	15	5	0.5	12000E
247+13LT	A B C	20	30	15	5	0.5	2000E
252+96RT	A B C	20	30	15	5	0.5	2110S
260+90LT	A B C	20	30	15	5	0.5	2260S
263+48RT	A B C	20	30	15	5	0.5	2310S
273+80LT	A B C	20	30	15	5	0.5	2500S
273+83RT	A B C	20	30	15	5	0.5	2500S
281+90LT TO 282+92LT	6' W x 102' L			8	5	0.5	CITGO SERVICE STATION
283+54LT	A B C	20	30	15	5	0.5	2690S
300+49LT	A B C	20	30	15	5	0.5	3000S
313+99RT	A B C	20	30	15	5	0.5	3250S
327+20LT	A B C	20	30	15	5	0.5	SPINNING WHEEL RD
354+06RT	A B C	20	30	15	5	0.5	4000S
354+06RT	A B C	20	30	15	5	0.5	13000E
382+99RT	A B C	20	30	15	5	0.5	13500E
TOTALS				263 TON	90 GAL	9 TON	

NOTE: INTERSECTING SIDE ROADS AT STA. 51+35LT - 0500N RD
 STA. 114+50RT - 1000S RD
 STA. 194+65LT - 1000S RD
 ARE INCLUDED IN TANGENT SCHEDULE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00234-01-RS 04-00235-01-RS	KANKAKEE	4	3
CONTRACT NO. 87323			

PAVEMENT REMOVAL DETAILS



STATION	HMA SURFACE REM - BUTT JOINT	TEMPORARY RAMP (3' Wide)	HMA SURFACE REM - 1 1/4"
0+09	157	8	
5+87 (RR X-ING)	80	8	
6+11 (RR X-ING)	80	8	
46+54LT	73	7	
102+65LT	73	7	
281+90LT TO 282+92LT CITGO SERVICE STATION			68
385+30	80	8	
TOTALS	543 SQ YD	46 SQ YD	68 SQ YD

	LEVEL BINDER	HOT-MIX ASPHALT SURFACE CSE
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
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.

Pavement Design Data

Design Period = 20 Years
 ADT = 2550 (2006) 2818 (2016)
 P.V. = 88 = 2480 S.U. = 7 % = 197 M.U. = 5 % = 141
 T.F. = 0.77
 Dt = 2.90

Pavement Structure Number

Ex. 11" AGGREGATE BASE (crushed)	11	x 0.08 =	0.88
Ex. 3/4" BIT SURFACE TREATMENT	0.75	x 0.15 =	0.11
Ex. 1 1/2" CLASS I	1.50	x 0.23 =	0.35
Ex. 3" CLASS I	3	x 0.30 =	0.90
Prop. 2" HMA Surface Cse.	2	x 0.40 =	0.80
			<u>3.04</u>

Marshall Stability ≥ 1700