

ORCHARD DRIVE SUPERELEVATION TRANSITIONS	
CROSS-SLOPE	LOCATION
(MATCH EXISTING)	STA 116+68 TO STA 118+56
(MATCH EXISTING)	STA 123+48 TO STA 125+66
(MATCH EXISTING)	STA 132+08 TO STA 136+00
2.0% ○ 2.0%	STA 136+00 TO STA 147+45
0.0% ○ 2.0%	STA 148+05
2.0% ○ 2.0%	STA 148+70 TO STA 152+15
0.0% ○ 2.0%	STA 152+75
2.0% ○ 2.0%	STA 153+35 TO STA 154+45
2.0% ○ 0.0%	STA 155+05
2.0% ○ 2.0%	STA 155+65 TO STA 159+00
2.0% ○ 0.0%	STA 159+60
2.0% ○ 2.0%	STA 160+20 TO STA 165+85
1.0% ○ 1.0%	STA 166+00 TO STA 167+00
2.0% ○ 2.0%	STA 167+15 TO STA 170+85
1.5% ○ 1.5%	STA 171+00 TO STA 175+00
2.0% ○ 2.0%	STA 175+15 TO STA 177+15
2.0% ○ 0.0%	STA 177+75
2.0% ○ 2.0%	STA 178+35 TO STA 181+10
2.0% ○ 0.0%	STA 181+70
2.0% ○ 2.0%	STA 182+30 TO STA 183+75
0.0% ○ 2.0%	STA 184+35
2.0% ○ 2.0%	STA 184+95 TO STA 187+40
0.0% ○ 0.0%	STA 188+00
2.0% ○ 2.0%	STA 188+50
4.0% ○ 4.0%	STA 189+50 TO STA 192+25
2.0% ○ 0.0%	STA 193+25
2.0% ○ 2.0%	STA 193+75 TO STA 216+50

(LOOKING NORTH)

○ = PGL AND AXIS OF ROTATION

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

THE CONTRACTOR SHALL MILL BEFORE PATCHING

MIXTURE TYPE	VOIDS
RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm) - 1 1/2"	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75 N50	4% @ 50 GYR
RECONSTRUCTION	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm) - 2"	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm) - 6" (IN 2 LIFTS)	4% @ 70 GYR
PAVEMENT WIDENING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm) - 1 1/2"	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75 N50	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm) - 6" (IN 2 LIFTS)	4% @ 70 GYR
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19mm); TYPE I-IV - 4"	4% @ 70 GYR
HOT-MIX ASPHALT BIKE PATH	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm)	4% @ 50 GYR

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SQ YD/IN
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

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DESIGNED - TAO	REVISED -
DRAWN - MAC	REVISED -
CHECKED - TAO	REVISED -
DATE - 10/24/11	FILE - 060670-PH2-TYPICAL.shx

STATE OF ILLINOIS ORCHARD DRIVE IMPROVEMENTS

TYPICAL SECTIONS

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2836	06-00090-00-FP	COOK	200	15
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63635	
			M-8003661	