



EXISTING TYPICAL SECTION

STA. 103+00 TO STA. 109+59
STA. 110+28 TO STA. 113+35

- EXISTING LEGEND**
- (A) HOT MIX ASPHALT SURFACE AND BINDER COURSE, ±10"
 - (B) AGGREGATE SUBBASE
 - (C) AGGREGATE SHOULDER
 - (D) EXISTING GROUND
 - ▨ PAVEMENT REMOVAL
 - ▩ SHOULDER REMOVAL (INCLUDED IN COST OF EARTH EXCAVATION)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"	
HOT-MIX ASPHALT SURFACE COURSE, "D", N50 (IL 9.5mm); 2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4"	4% @ 50 GYR
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm) N50; PE-4", CE-6" (IN 2 LIFTS)	4% @ 50 GYR
SHOULDER RECONSTRUCTION	
HOT-MIX ASPHALT SHOULDER, 6" (HMA BINDER IL-19mm) (IN 2 LIFTS)	4% @ 50 GYR
BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4"	4% @ 50 GYR
1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.	
2. THE "AC TYPE" FOR POLYMERIZED HOT-MIX ASPHALT MIXES SHALL BE "SBS/SBR PG76-22" AND FOR NON-POLYMERIZED HOT-MIX ASPHALT THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS." FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.	

STRUCTURAL DESIGN DATA

STREET	STRUCTURAL DESIGN TRAFFIC			STREET CLASS	TRAFFIC FACTOR	SSR	TEMP	STRAIN	AC	EAC	REQ'D BIT THICKNESS	MECHANISTIC PAVEMENT DESIGN
	PV	SU	MU									
HILL ROAD	3477	54	54	II	0.274	POOR	76°	214	PG 64-28	650	6.0 IN	2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 12" AGGREGATE SUBGRADE

FILE NAME = s:\p1\6600-6899\6842\007\mcrsch\cedid shwa\01-63666-eh-typical.dgn

1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = brianf	DESIGNED VLF	REVISED -	MCHENRY COUNTY DIVISION OF TRANSPORTATION HILL ROAD BRIDGE OVER NORTH BRANCH NIPPERSINK CREEK	TYPICAL SECTIONS SCALE: AS SHOWN SHEET NO. OF SHEETS STA. TO STA.			TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20,0000' / IN.	DRAWN SMH	REVISED -					21	08-00356-00-BR	MCHENRY	67	8
PLOT DATE = 1/5/2012	CHECKED AJS	REVISED -					CONTRACT NO. 63666					
	DATE -	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					