

FILE NAME =

BITUMINOUS MIXTURE REQUIREMENTS

PAY ITEM	HMA LEVEL BINDER	HMA SURFACE	HMA BASE COURSE	HMA SHOULDERS	
PG GRADE	PG64-22	PG64-22	PG64-22	PG64-22	
MAX. % RAP ** ALLOWABLE	25%	15%	25%	25%	
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	
MIXTURE COMPOSITION	IL 9.5	IL 12.5 OR IL 9.5	IL 19.0	IL 19.0	
FRICTION AGGREGATE		MIXTURE C			
DENSITY TEST METHOD	SATISFACTION OF THE ENGINEER	CORES	CORES	CORES*	

- MATERIAL SHALL BE COMPACTED TO 93.0 97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE THE MINIMUM PERCENT COMPACTION SHALL BE 92.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QC/QA SPECIFICATION.
- ** WHEN MORE THAN 20% RAP IS USED, A SOFTER ASPHALT BINDER (PG58-22) MAY BE REQUIRED AS DETERMINED BY THE ENGINEER.

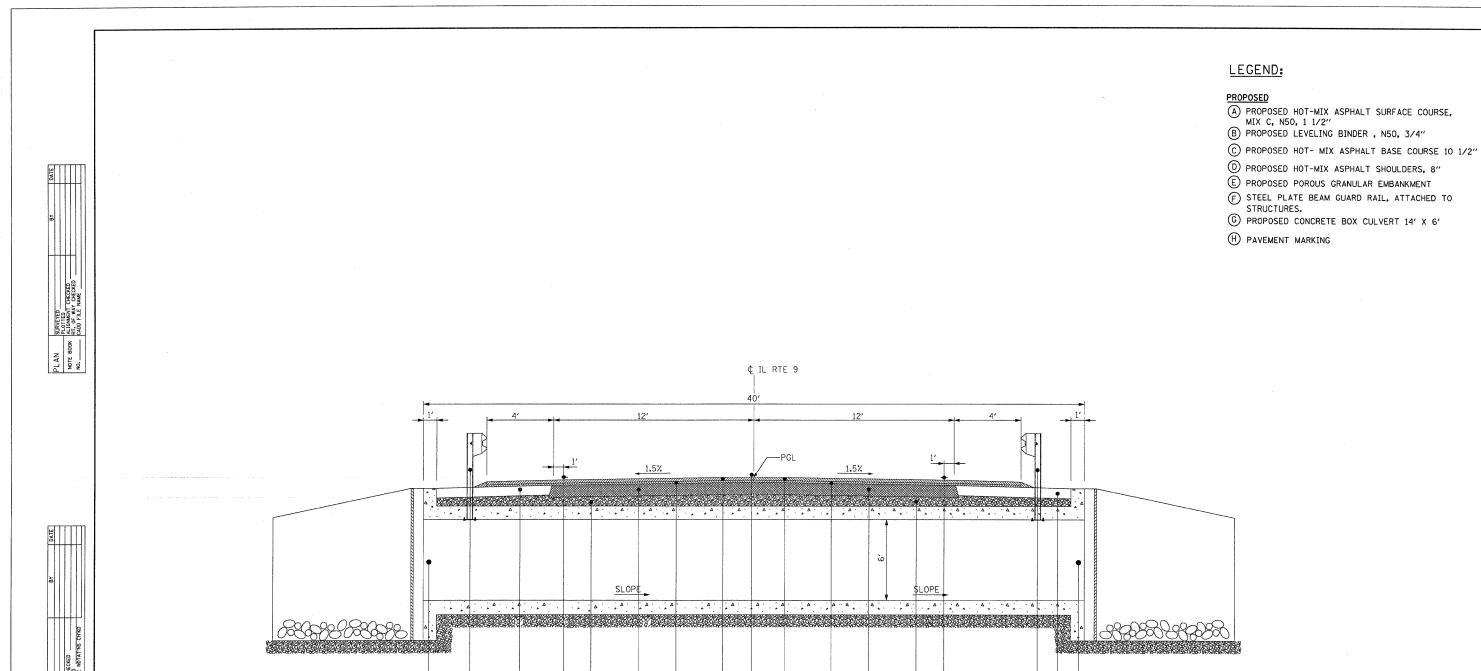
LEGEND:

- 1 EXISTING HOT-MIX ASPHALT SURFACE CSE, 1 1/2"
- 2 EXISTING HOT MIX ASPHALT OVERLAY
- 3 EXISTING PAVEMENT, ± 12"
- 4 EXISTING HMA SHOULDER
- (5) EXISTING AGGREGATE SHOULDER WEDGE (TYP.)

- A PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 1 1/2"
- © PROPOSED LEVELING BINDER, N50, 3/4"
- D PROPOSED HOT MIX ASPHALT BASE COURSE 10 1/2"
- © PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A, 12"
- F PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- © PROPOSED AGGREGATE SHOULDER WEDGE
- (H) PROPOSED EARTH EXCAVATION
- I PROPOSED STEEL PLATE BEAM GUARD RAIL
- J PAVEMENT MARKING

1. SEE PLAN AND PROFILE SHEETS FOR HMA SHOULDER STABALIZATION LOCATIONS.

AREVISED SHEET 2/19/09 DESIGNED DB REVISED -TOTAL SHEET SHEETS NO. **TYPICAL SECTIONS** SECTION COUNTY DRAWN NS/RM REVISED STATE OF ILLINOIS SN 027-2552 SHEET 1 OF 2 PLOT SCALE = 21.1764 '/ IN. CHECKED AS **DEPARTMENT OF TRANSPORTATION** REVISED CONTRACT NO. 66874 PLOT DATE = Feb 17, 2009 - 01:24:32 PM DATE DECEMBER 2008 REVISED SHEET NO. 1 OF SHEETS STA.



PROPOSED BOX CULVERT SECTION LOOKING EAST

NTS FROM STA 50+47.17 TO STA 50+62.83

FILE NAME =	USER NAME = carpenterdj	DESIGNED DB	REVISED -		TVDIOAL CECTIONS	F.A.P. SECTION	COUNTY TOTAL SHEET
c:\pw_work\PWIDOT\CARPENTERDJ\dms77953\0	27-2552-05typ-sht2.dgn	DRAWN NS/RM	REVISED -	STATE OF ILLINOIS	TYPICAL SECTIONS	697 (17)T	FORD 30 F
	PLOT SCALE = 21.1764 '/ IN.	CHECKED AS	REVISED -	DEPARTMENT OF TRANSPORTATION	SN 027-2552 SHEET 2 OF 2	031 1171	CONTRACT NO. 66874
	PLOT DATE = Feb 17, 2009 - 01:25:53 PM	DATE DECEMBER 2008	REVISED -		SCALE: NTS SHEET NO. 1 OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AI	

(F) (D) (G)

A REVISED SHEET 2/19/09

