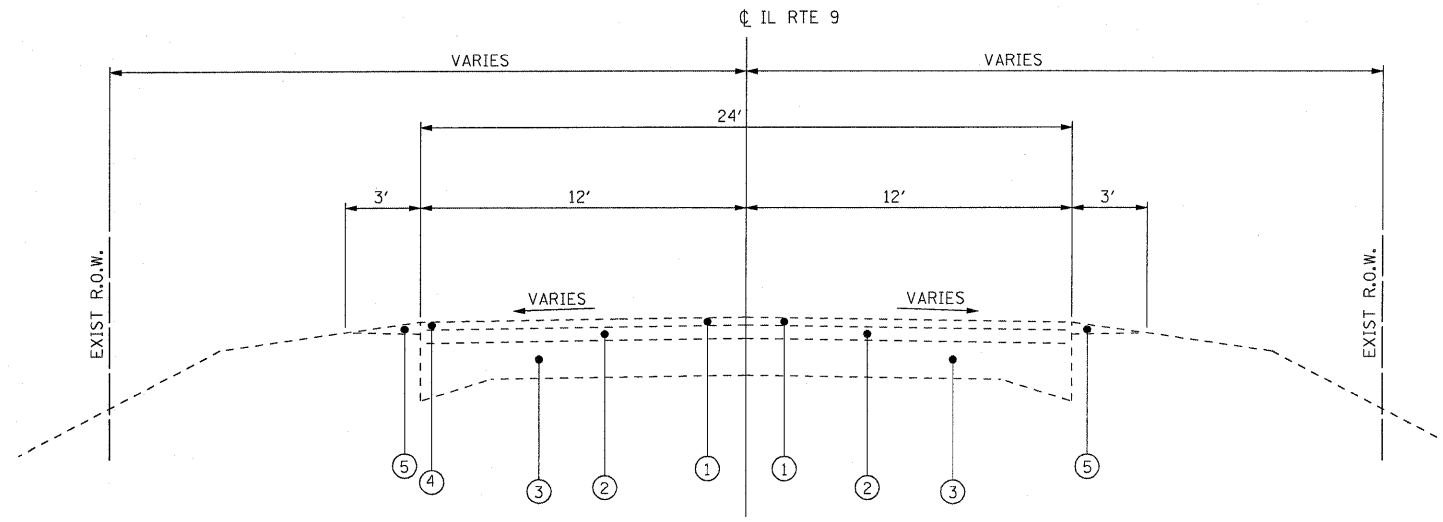
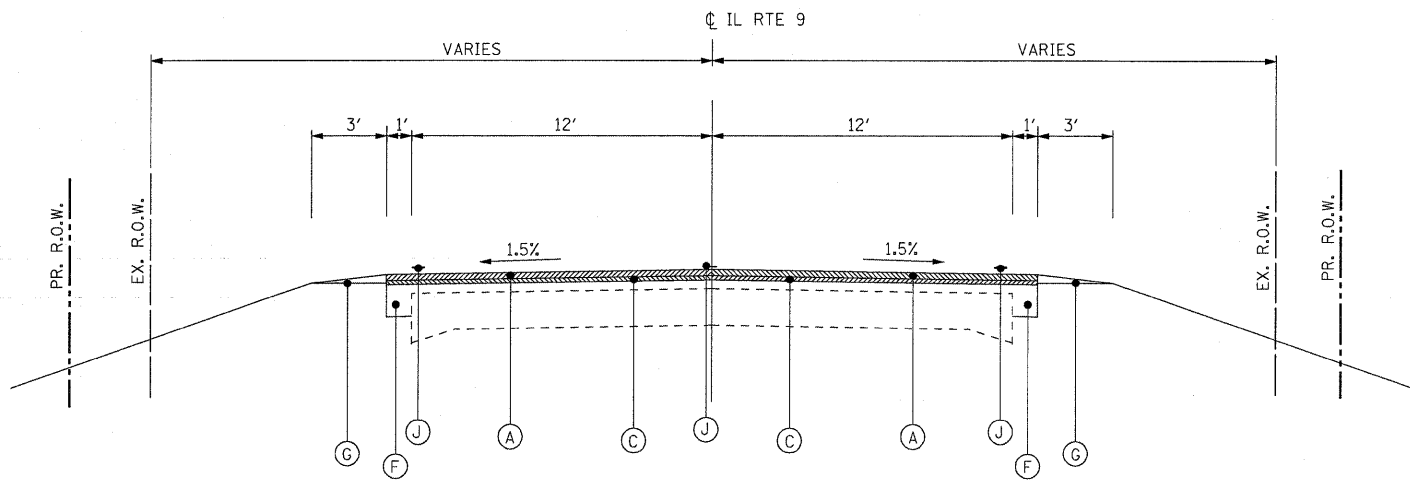


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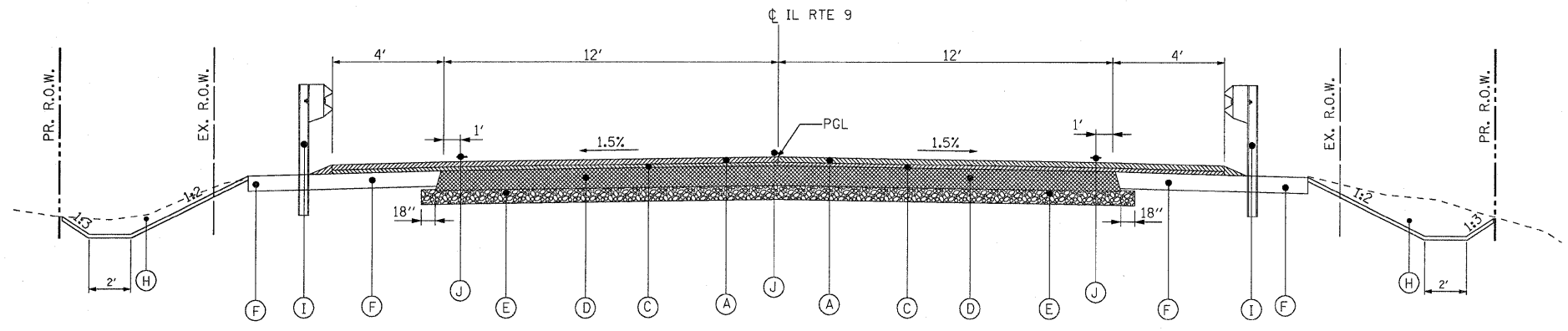
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**EXISTING ROADWAY TYPICAL SECTION**  
NTS  
FROM STA 46+10.00 TO STA 54+90.00



**PROPOSED ROADWAY TYPICAL SECTION**  
NTS  
FROM STA 47+00.00 TO STA 50+32.19  
FROM STA 50+77.82 TO STA 54+00.00



**PROPOSED ROADWAY TYPICAL SECTION (FULL DEPTH)**  
NTS  
FROM STA 50+32.19 TO STA 50+47.17  
FROM STA 50+62.83 TO STA 54+77.82

**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
FRICITION 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:**

**EXISTING**

- 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.)

**PROPOSED**

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

**NOTE:**

- 1. SEE PLAN AND PROFILE SHEETS FOR HMA SHOULDER STABILIZATION LOCATIONS.

REVISOR SHEET 2/19/09

FILE NAME =	USER NAME = carpenterdj	DESIGNED DB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS SN 027-2552 SHEET 1 OF 2</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cd:\pwork\pww\1001\CARPENTERDJ\dms77953\027-2552-04typ-aht1.dgn	DRAWN NS/RM	REVISED -	697			(17I)	FORD	29	4	
PLOT SCALE = 21.1764' / IN.	CHECKED AS	REVISED -	CONTRACT NO. 66874							
PLOT DATE = Feb 17, 2009 - 01:24:32 PM	DATE DECEMBER 2008	REVISED -	ILLINOIS FED. AID PROJECT							
				SCALE: NTS	SHEET NO. 1 OF SHEETS	STA.	TO STA.			