

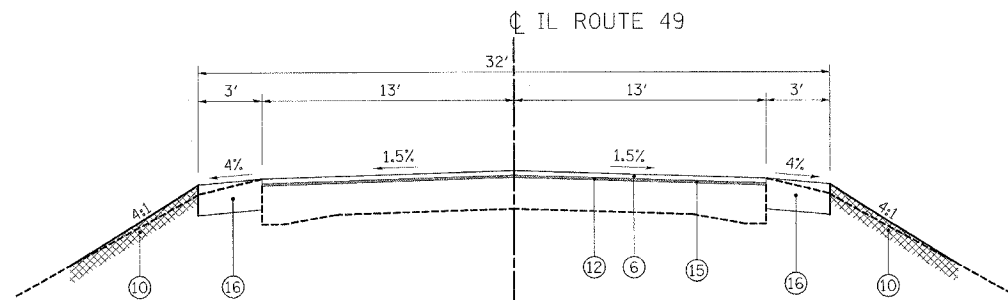
EXISTING TYPICAL SECTION

SOUTH OF BRIDGE
STA. 277+10 TO 283+76

LEGEND

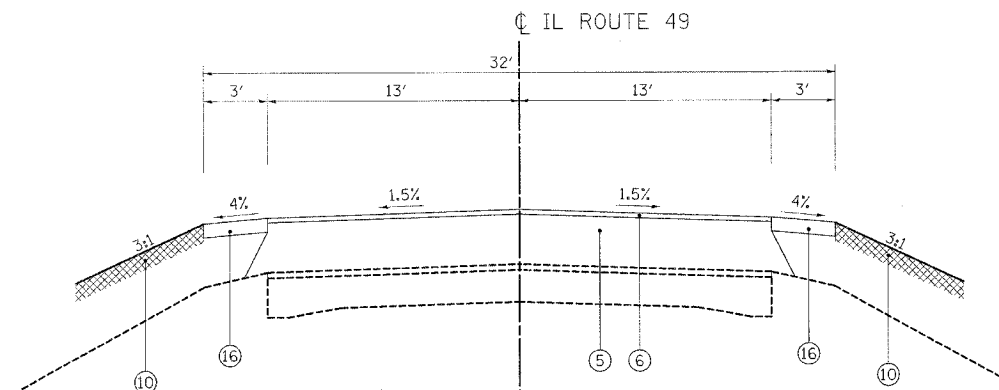
- ① EXISTING P.C.C. PAVEMENT
- ② EXISTING HOT-MIX ASPHALT SURFACE
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING CONCRETE CURB AND GUTTER, TYPE B-6.24 (TYP.) TO BE REMOVED
- ⑤ HOT-MIX ASPHALT BINDER COURSE, VARIABLE DEPTH
- ⑥ 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
- ⑦ HOT-MIX ASPHALT SHOULDER, 8"
- ⑧ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (TYP.)
- ⑨ PROPOSED GUARDRAIL
- ⑩ VEGETATION SUSTAINING TOPSOIL, 4" (SEE NOTE)
- ⑪ SUB-BASE GRANULAR MATERIAL, TYPE B
- ⑫ LEVELING BINDER (MACHINE METHOD), N50 (VARIABLE DEPTH)
- ⑬ HOT MIX ASPHALT BINDER COURSE, 1 1/2"
- ⑭ SUB-BASE GRANULAR MATERIAL, TYPE A, 12"
- ⑮ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ⑯ AGGREGATE SHOULDERS, TYPE B, 6"

NOTE: REUSE EXISTING TOPSOIL WHENEVER POSSIBLE. WHEN EXISTING QUANTITY OF ON-SITE TOPSOIL IS NOT ADEQUATE, VEGETATION SUSTAINING TOPSOIL SHALL BE HAULED FROM OFF-SITE AND PAID FOR AS TOPSOIL EXCAVATION AND PLACEMENT.



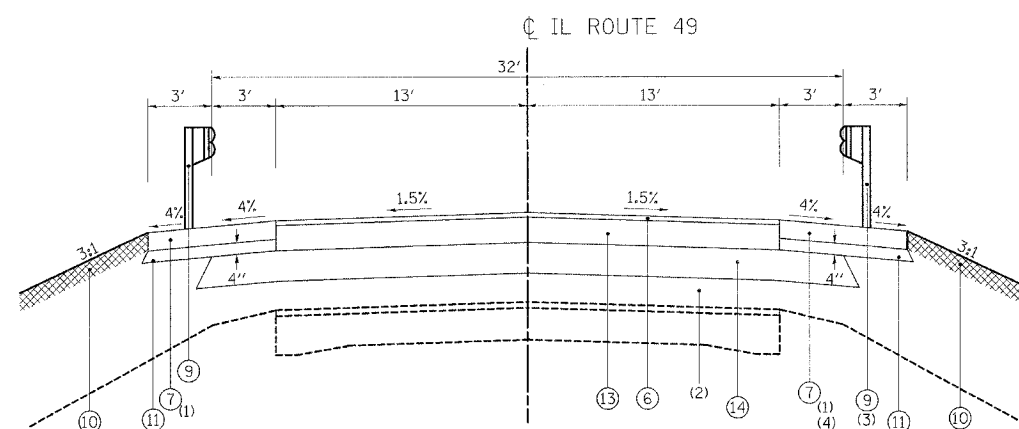
PROPOSED TYPICAL SECTION

SOUTH OF BRIDGE
STA. 277+10 TO 278+03



PROPOSED TYPICAL SECTION

SOUTH OF BRIDGE
STA. 278+03 TO 281+25



PROPOSED TYPICAL SECTION

SOUTH OF BRIDGE
STA. 281+25 TO 283+76

- (1) AGGREGATE SHOULDERS, TYPE B, 6"
STA. 281+25 TO STA. 282+50 LT.
STA. 281+25 TO STA. 282+05 RT.
- (2) EMBANKMENT BETWEEN 12" SUB-BASE GRANULAR MATERIAL AND EXISTING PAVEMENT TO BE CONSTRUCTED WITH SUITABLE SOIL OR GRANULAR MATERIAL AND PAID FOR AS FURNISHED EXCAVATION.
- (3) GUARDRAIL STA. 282+39 TO 283+76, LT
STA. 282+84 TO 283+76, RT
- (4) EXISTING C&G STA. 283+37 TO 283+76.LT
STA. 283+37 TO 283+81, RT

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

PG GRADE	HMA LEVEL BINDER PG58-22	HMA SURFACE PG64-22	HMA SHOULDER PG58-22	HMA BINDER PG58-22
MAX % RAP ALLOWABLE **	25%	15%	50%	25%
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	3.0% @ 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 ENGINEER	NUCLEAR / CORES	*	NUCLEAR / 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.

** IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

PLOT SCALE: 1/2" = 10'
 PLOT TIME: 3:43:42 PM
 PLOTTED BY: JH-occy
 A:\2007\123 BR-2\Design\200707_Typsec
 MODEL NAME: TYPICAL

rjngroup
Excellence through Ownership
200 West Front Street
Wheaton, IL 60187

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.P. ROUTE 840 (IL-49)

TYPICAL SECTIONS

SCALE: NOT TO SCALE
DATE: AUGUST 7, 2007

DRAWN BY: BMH
CHECKED BY: DWB