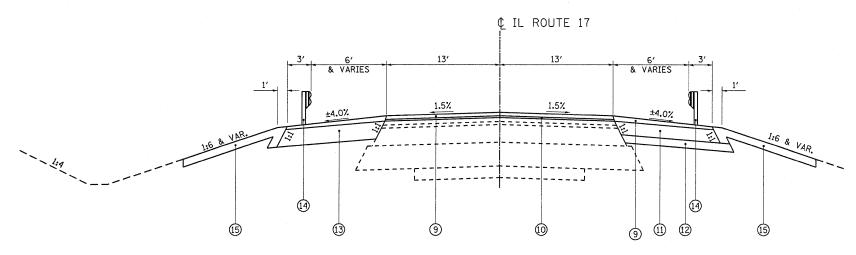


## **EXISTING TYPICAL SECTION**

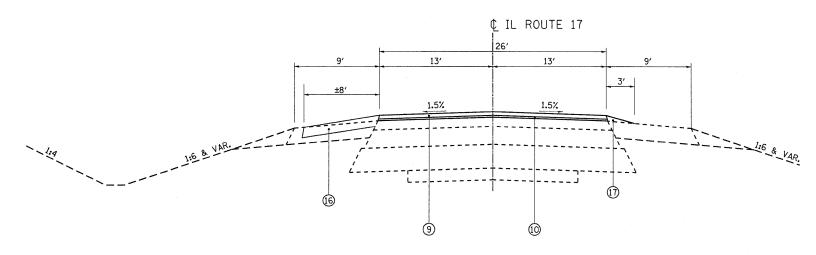
STA. 404+50 TO STA.

APPROACH SLAB & BRIDGE OMISSION STA. TO STA. 411+00



## PROPOSED TYPICAL SECTION

STA. 404+79 TO STA. 407+14 APPROACH SLAB & BRIDGE OMISSION STA. 407+14 TO STA. 408+56 STA. 408+56 TO STA. 410+89



# PROPOSED TYPICAL SECTION

STA. 404+50 TO STA. 404+79 STA. 410+89 TO STA. 411+00

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# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

## MIXTURE TABLE

WIXTONE TABLE									
	HMA	HMA	НМА	HMA					
	SURFACE	LEVEL	SHOULDERS	BASE CSE					
		BINDER	***	***					
PG GRADE	PG64-22	PG58-22	PG58-22	PG58-22					
MAX % RAP	15%	25%	25%	25%					
ALLOWABLE**									
DESIGN AIR	4.0% ⊚	4.0% ⊚	3.0% ⊚	3.0% @					
VOIDS	N50	N50	N50	N50					
MIXTURE	IL 12.5 OR	IL 9.5	IL 19.0	IL 19.0					
COMPOSITION	IL 9.5								
FRICTION									
AGGREGATE	MIXTURE C								
DENSITY TEST		SATISFACTION							
METHOD	NUCLEAR	OF ENGINEER	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.

\*\*\* THE AMOUNT OF ASPHALT BINDER USED SHALL BE INCREASED 0.5% MORE THAN THAT REQUIRED IN THE MIX DESIGN, EXCEPT WHEN THE HMA BINDER AND SURFACE COURSE MIXTURE OPTION IS USED.

## **LEGEND**

- (1) EXISTING HMA OVERLAY, ±5"
- 2 EXISTING HMA BASE COURSE, 8"
- 3 EXISTING GANULAR EMBANKMENT, VARIABLE DEPTH
- 4 EXISTING P.C.C. PAVEMENT (BROKEN)
- 5 EXISTING AGGREGATE SHOULDERS, VARIABLE DEPTH
- 6 EXISTING EARTH SHOULDERS
- 7 EXISTING GUARDRAIL
- (8) EXISTING PCC SHLD 7" (SEE NOTE 4)
- 9 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 11/2"
- 10 LEVELING BINDER (MACHINE METHOD), N50, 3/4"
- (1) HOT-MIX ASPHALT SHOULDERS, 61/2"
- (12) SUB-BASE GRANULAR MATERIAL, TYPE A 4"
- (3) HOT-MIX ASPHALT BASE COURSE, 8" (SEE NOTE 1)
- (14) PROPOSED GUARDRAIL
- (15) VEGETATION SUSTAINING TOPSOIL, 4" (SEE NOTE 2)
- (6) AGGREGATE SHOULDERS, TYPE B, 6" (SEE NOTE 3)
- (17) AGGREGATE WEDGE SHOULDERS, TYPE B

NOTE 1: HMA BASE COURSE TO BE CONSTRUCTED PRE-STAGE 1. TO BE USED FOR PROPOSED SHOULDER,

NOTE 2: REUSE EXISTING TOPSOIL WHENEVER POSSIBLE. WHEN EXISTING QUANTITY OF ON-SITE TOPSOIL IS DEFICIENT, VEGETATION SUSTAINING TOPSOIL WILL BE HAULED FROM OFF SITE AND PAID FOR AS FURNISHED EXCAVATION

NOTE 3: CONSTRUCT AGGREGATE SHOULDERS TY B 6" AT LOCATIONS WHERE TEMPORARY PAVEMENT IS TO BE REMOVED. OTHERWISE CONSTRUCT 3" AGGREGATE WEDGE SHOULDERS TY B.

NOTE 4: PROPOSED SHOULDER QUANTITIES DO NOT TAKE INTO ACCOUNT THE EXISTING PCC SHOULDER. PCC SHOULDER TO BE USED AS PART OF THE PROPOSED CONSTRUCTION AS DIRECTED BY THE ENGINEER.

TYPICAL SECTIONS					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
						41	(15BR-3)-1	LIVINGSTON	45	4
	,					1		CONTRACT	NO.	66833
SCALE:	SHEET NO	), OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		