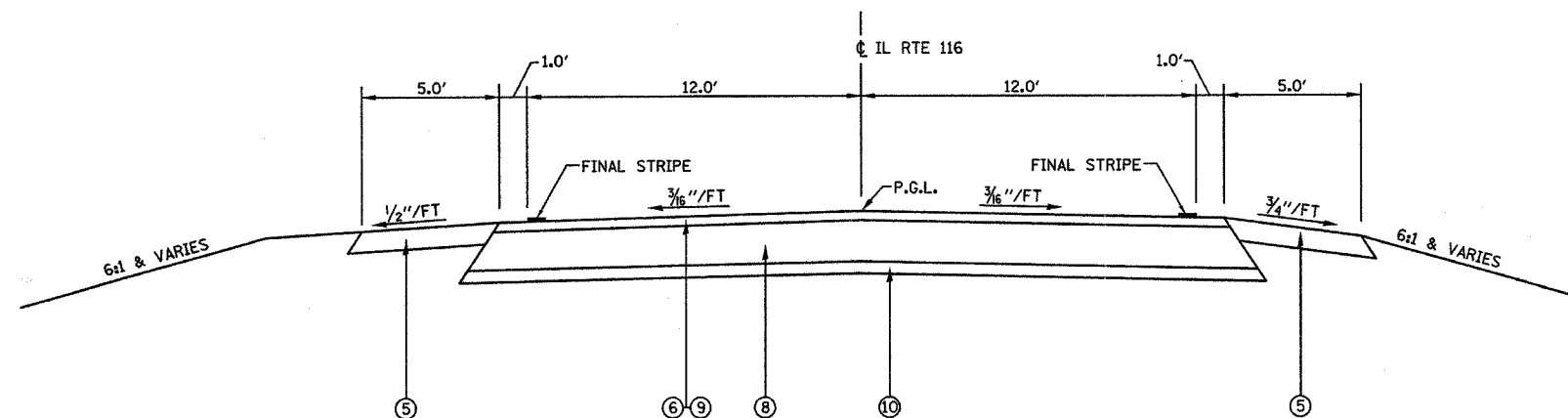


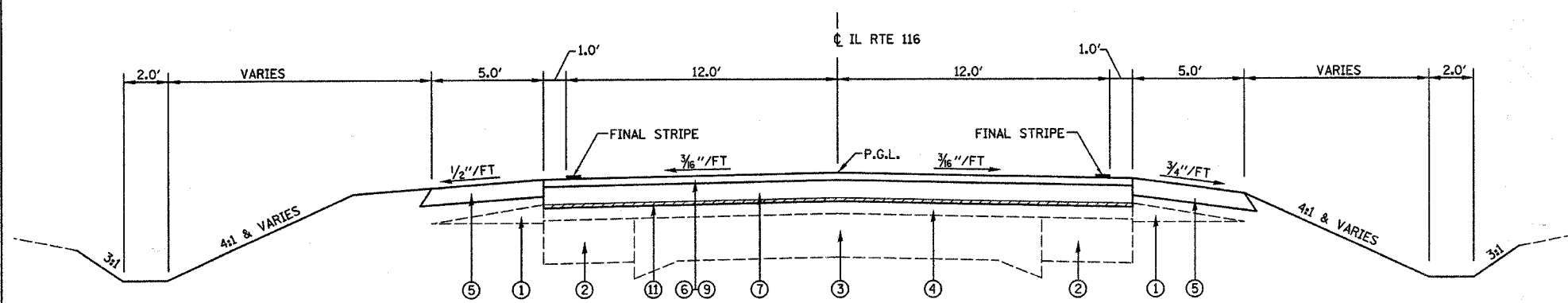
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	115 BR	LIVINGSTON	32	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**PROPOSED TYPICAL SECTION**  
STA. 125+75.00 TO STA. 126+25.00

**LEGEND**

- ① EXISTING AGGREGATE SHOULDER
- ② EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING, 7"
- ③ EXISTING PAVEMENT
- ④ EXISTING EXISTING BITUMINOUS CONCRETE OVERLAY
- ⑤ PROPOSED AGGREGATE SHOULDERS, TYPE B, 8"
- ⑥ PROPOSED 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
- ⑦ PROPOSED VARIABLE DEPTH HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
- ⑧ PROPOSED HOT-MIX ASPHALT BASE COURSE, 10 1/4"
- ⑨ PROPOSED 1" LEVELING BINDER (MACHINE METHOD), N50
- ⑩ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A, 4"
- ⑪ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"



**PROPOSED TYPICAL SECTION**  
STA. 121+50.00 TO STA. 125+75.00  
STA. 126+25.00 TO STA. 133+15.00

NOTE: ESTIMATED VARIABLE DEPTH HMA BINDER THICKNESS  
 STA. 121+50 TO STA. 122+50 - NONE ANTICIPATED  
 STA. 122+50 TO STA. 125+75 - VARIES 0 TO 1'-2"  
 STA. 126+25 TO STA. 128+00 - VARIES 1'-3 1/2" TO 1'-9 1/4"  
 STA. 128+00 TO STA. 132+25 - VARIES 1'-9 1/4" TO 0  
 STA. 132+25 TO STA. 133+15 - NONE ANTICIPATED

**MIXTURE REQUIREMENTS**

	HMA BINDER	HMA LEVEL BINDER	HMA SURFACE COURSE	HMA BASE COURSE & BASE COURSE WIDENING
PG GRADE	PG58-22	PG64-22	PG64-22	PG58-22
MAX % RAP ALLOWABLE**	25%	15%	15%	25%
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION	IL 19.0	IL 9.5	IL 12.5 or IL 9.5	IL 19.0
FRICTION AGGREGATE			MIXTURE C	
DENSITY TEST METHOD	CORES/NUCLEAR	SATISFACTION OF ENGINEER	CORES/NUCLEAR	CORES/NUCLEAR

• 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/OA SPECIFICATION.

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS**

FAP ROUTE 681  
SECTION 115 BR  
LIVINGSTON COUNTY