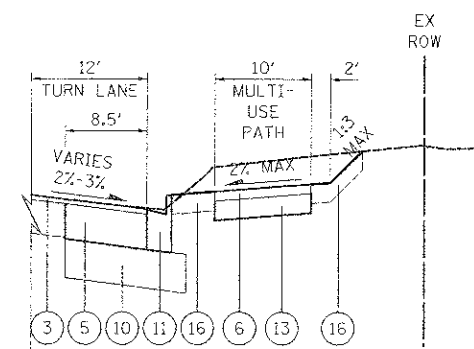


**IL ROUTE 137 - PROPOSED TYPICAL SECTION**

STA. 791+00 TO STA. 809+25



**IL ROUTE 120 - PROPOSED TYPICAL SECTION**

STA. 119+40 TO STA. 126+07

**LEGEND**

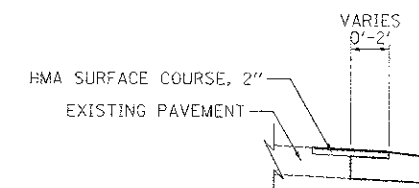
- (A) EXISTING HMA PAVEMENT
- (B) EXISTING PCC PAVEMENT
- (C) EXISTING HMA SHOULDER
- (D) EXISTING AGGREGATE SHOULDER
- (1) HMA SURFACE COURSE, MIX "D", N70, 2"
- (2) HMA BINDER COURSE, IL-19.0, N70, 7"
- (3) HMA SURFACE COURSE, MIX "D", N70, 1 1/2"
- (4) HMA BASE COURSE, 7 1/2"
- (5) HMA BASE COURSE, 11"
- (6) HMA SURFACE COURSE, MIX "D", N50, 3"
- (7) POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 2"
- (8) HMA BASE COURSE, 8 1/2"
- (9) LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH
- (10) AGGREGATE SUBGRADE, 12"
- (11) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (12) HMA SHOULDERS, 6"
- (13) SUBBASE GRANULAR MATERIAL, TYPE B 6"
- (14) AGGREGATE SHOULDERS, TYPE B 6"
- (15) AGGREGATE WEDGE SHOULDER, TYPE B
- (16) TOPSOIL PLACEMENT, 6" SEEDING OR SODDING
- (17) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS

\*ITEMS NO. 1 & 2 WILL BE MEASURED IN SQUARE YARDS AND WILL BE PAID FOR AS HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH, 9" FROM STA. 432+76.82 TO STA. 460+56.50)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		AIR VOIDS @ NDES
MIXTURE TYPE		
<b>FULL-DEPTH PAVEMENT (ATKINSON ROAD)</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm); 2"		4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 7"		4% @ 70 GYR.
<b>PAVEMENT RESURFACING (ATKINSON ROAD &amp; IL ROUTE 120)</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm); 1 1/2"		4% @ 70 GYR.
LEVELING BINDER (MACHINE METHOD), N70 (IL 9.5 mm)		4% @ 70 GYR.
<b>PAVEMENT RESURFACING (IL ROUTE 137)</b>		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm); 2"		4% @ 90 GYR.
LEVELING BINDER (MACHINE METHOD), N70 (IL 9.5 mm)		4% @ 70 GYR.
<b>PAVEMENT WIDENING (ATKINSON ROAD)</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm); 1 1/2"		4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm); 7 1/2"		4% @ 70 GYR.
<b>PAVEMENT WIDENING (IL ROUTE 120)</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm); 1 1/2"		4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm); 11"		4% @ 70 GYR.
<b>PAVEMENT WIDENING (IL ROUTE 137)</b>		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm); 2"		4% @ 90 GYR.
HOT-MIX ASPHALT BASE COURSE (POLYMERIZED HMA BINDER IL-19 mm); 8 1/2"		4% @ 90 GYR.
<b>PAVED SHOULDERS</b>		
SURFACE MIX TYPE - SAME AS OVERLAY		
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19 mm)		4% @ 50 GYR.
<b>TEMPORARY PAVEMENT</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"		4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 6"		4% @ 50 GYR.
<b>COMMERCIAL DRIVEWAY PAVEMENT</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"		4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm); 8"		4% @ 50 GYR.
<b>MULTI-USE PATH</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 3"		4% @ 50 GYR.
<b>PATCHING</b>		
CLASS D PATCHES (HMA BINDER IL-19 mm), I, II, III & IV, 9 INCHES		4% @ 70 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS.



**COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (MODIFIED)**

AT LOCATIONS WHERE WIDENING IS 2' OR LESS - CONSTRUCT MONOLITHIC WITH CURB



USER NAME = mjp  
 FILE NAME = ...2181 sht - typical.dgn  
 PLOT SCALE = 1:2000 1/4" = 1'  
 PLOT DATE = 3/6/2012

DESIGNED - MJP  
 DRAWN - MJP  
 CHECKED - DNM  
 DATE 02/06/12

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

SCALE: N.T.S.

SHEET NO. 3 OF 3 SHEETS

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
198	00-0045-00-PV	LAKE	195	14
CONTRACT NO. 63640				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT