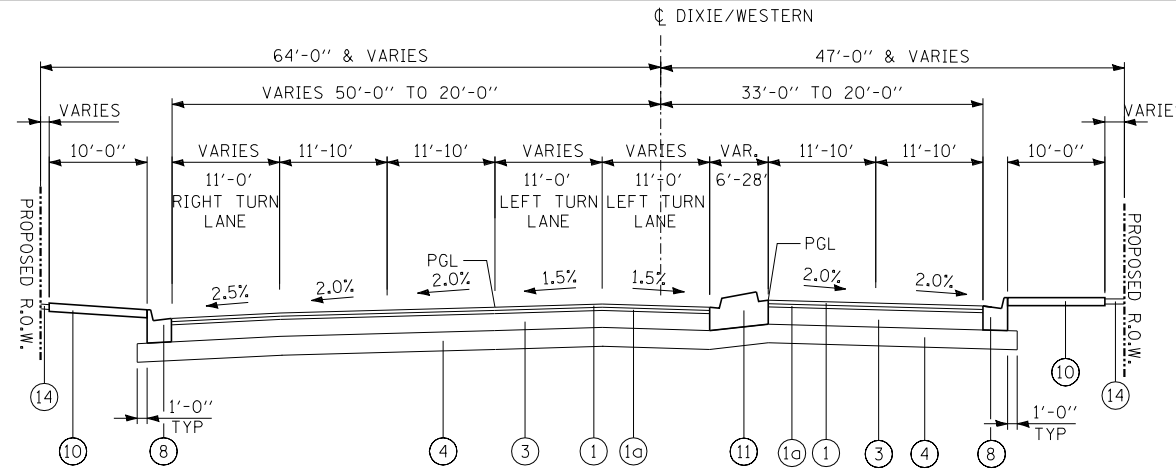
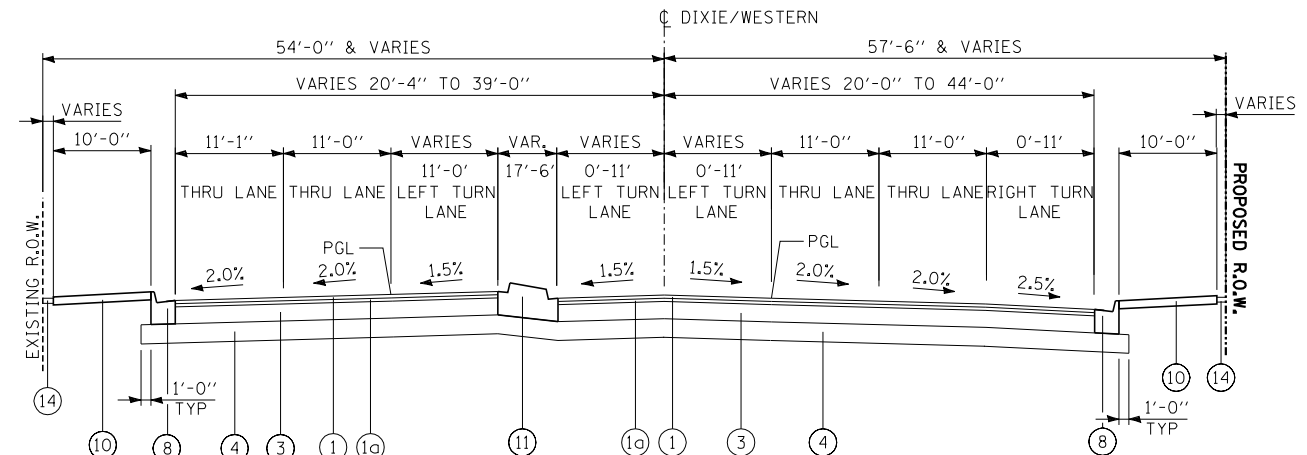


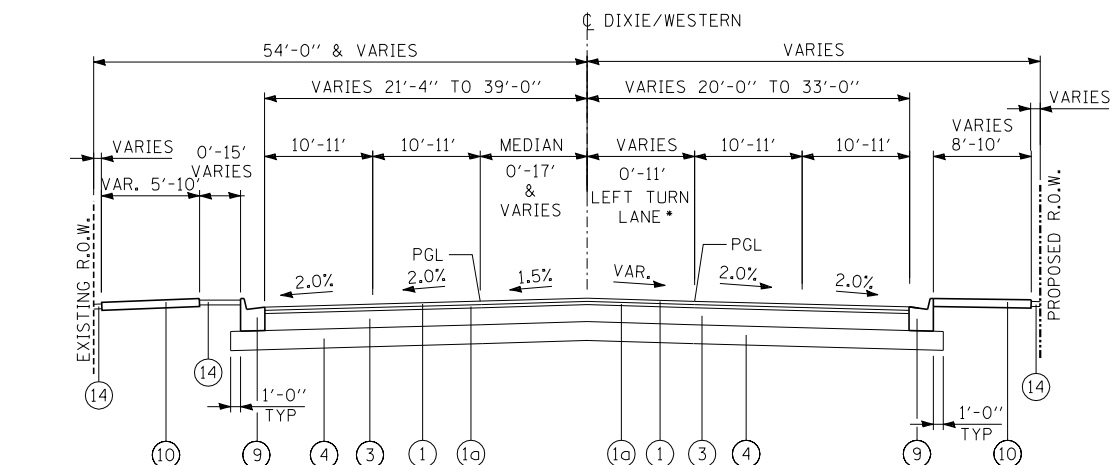
**147TH STREET**  
 DIXIE/WESTERN TO PROJECT LIMIT  
 STA. 1075+80.22 TO STA. 1079+99.63  
 • STA. 1077+83.68 TO STA. 1079+19.56



**DIXIE HIGHWAY/WESTERN AVENUE**  
 NORTH OF 147th STREET  
 STA. 6012+00.00 TO STA. 6027+50.00



**DIXIE HIGHWAY/WESTERN AVENUE**  
 SOUTH OF 147th STREET  
 STA. 6005+67.00 TO STA. 6012+00.00



**DIXIE HIGHWAY/WESTERN AVENUE**  
 SOUTH OF 148th STREET  
 STA. 5998+11.00 TO STA. 6005+67.00

**IDOT HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

ITEM	AIR VOIDS @ Ndes
RECONSTRUCTION - FULL DEPTH PAVEMENT	
<u>ILLINOIS ROUTE 83 (147TH STREET) &amp; KEDZIE AVENUE</u>	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, *2"	3.5% @ 80 Gyr
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, *2"	3.5% @ 80 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 6 1/2" (PAID FOR AS HMA BASE COURSE, 6 1/2")	4% @ 90 Gyr
<u>DIXIE HIGHWAY/WESTERN AVENUE</u>	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, *2"	3.5% @ 80 Gyr
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, *2"	3.5% @ 80 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 8 1/4" (PAID FOR AS HMA BASE COURSE, 8 1/4")	4% @ 90 Gyr

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SQ YD/IN.  
 THE "AC TYPE" FOR POLYMERIZED HMA MIXTURES 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 DISTRICT ONE SPECIAL PROVISIONS.  
 • OCP IS FOR SMA ONLY (SMA SFC. & SMA BINDER).  
 MINIMUM LIFT FOR HOT-MIX ASPHALT BINDER COURSE, IL-19.0 IS 2 1/4".

**IDOT HOT-MIX ASPHALT MIXTURE REQUIREMENTS (CONT.)**

ITEM	AIR VOIDS @ Ndes
HOT-MIX ASPHALT SHOULDERS, IL-19.0, 6" (GUARDRAIL STABILIZATION)	4% @ 70 Gyr
CLASS "D" PATCHES	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm), 2"	4% @ 70 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 12"	4% @ 90 Gyr
TEMPORARY PAVEMENT	
7.5" PORTLAND CEMENT CONCRETE PAVEMENT OR	
HMA PAVEMENT (FULL DEPTH) 8"	
HMA SURFACE MIX D N70, 2"	4% @ 50 Gyr
HMA BINDER COURSE 50 IL-19.0, N50, 6"	4% @ 50 Gyr

**NOTE:**  
 1. THE MAXIMUM CROSS SLOPE FOR SIDEWALKS IS 2% PER THE BUREAU OF DESIGN & ENVIROMENT MANUAL SECTION 58-1.06.

**LEGEND (HMA ALTERNATE)**

- ① PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
- ①a PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
- ② PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 6 1/2"
- ③ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 8 1/4"
- ④ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- ⑥ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90
- ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90
- ⑧ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑨ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑩ PROPOSED CONCRETE CEMENT SIDEWALK, 5"
- ⑪ PROPOSED MEDIAN (SEE PLANS)
- ⑫ PROPOSED STABILIZED SUBBASE- HOT-MIX ASPHALT, 4 1/2"
- ⑬ PROPOSED SHOULDER RUMBLE STRIPS, 16"
- ⑭ TOPSOIL (SEE PLANS)

<b>TYLIN INTERNATIONAL</b>	USER NAME =	DESIGNED - DM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>147TH STREET PROJECT</b> <b>PROPOSED TYPICAL SECTIONS (HMA ALTERNATE)</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - DM	REVISED -		XX	(0405-1 & 0506-2) R-1	COOK	577	32	CONTRACT NO. 60M57	
	PLOT DATE =	CHECKED - JPM	REVISED -		SCALE: NTS		SHEET NO. 2H OF 4 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
		DATE - 5/23/2012	REVISED -								