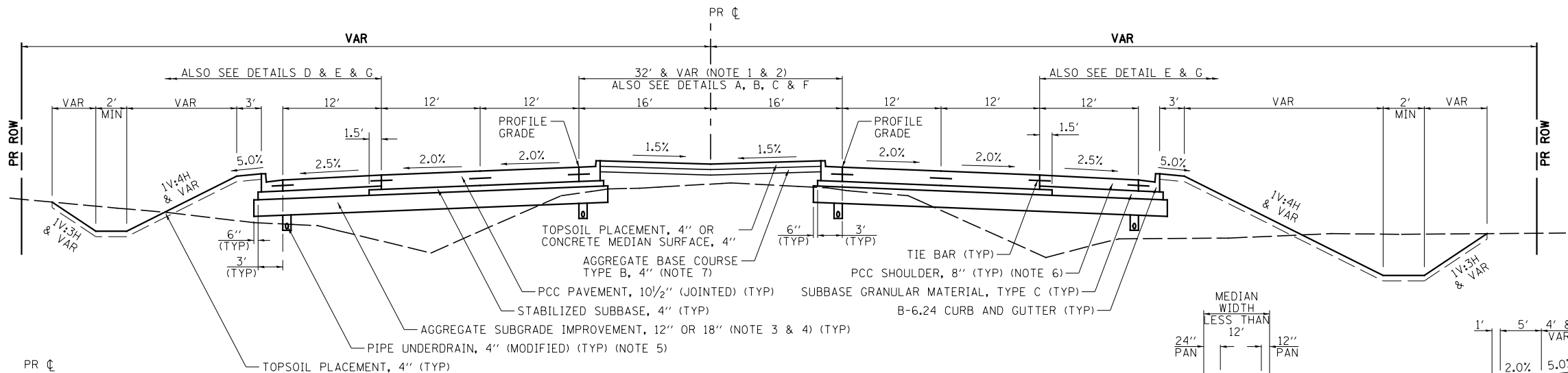


**GUARDRAIL DETAIL (G)**

STA 6117+00.00 TO STA 6123+00.00 (RT)  
 STA 6118+74.24 TO STA 6119+81.89 (LT)  
 STA 6183+86.99 TO STA 6184+94.63 (RT)



**PROPOSED TYPICAL SECTION**

**IL. RTE. 47**

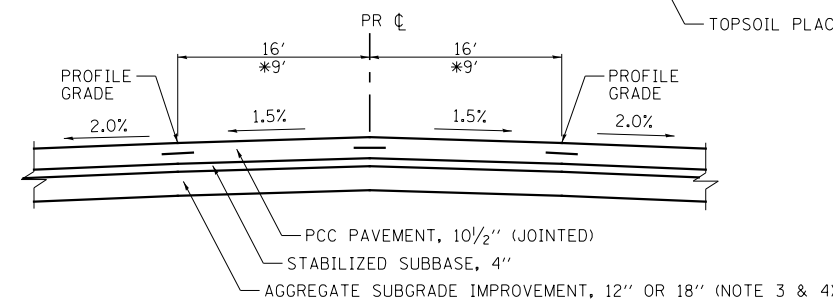
STA 6029+00 TO STA 6185+00  
 BRIDGE OMISSION: STA. 6117+59.58 TO STA. 6119+20.42

**NOTES:**

- MEDIAN VARIES 6' TO 18' FROM STA 6029+00 TO STA 6031+20 AND FROM 18' TO 32' FROM STA 6031+20 TO STA 6039+63.
- SEE PLAN & PROFILE SHEETS FOR MEDIAN TYPE AND LOCATION.
- AGGREGATE SUBGRADE IMPROVEMENT, 18". LOCATIONS:  
 STA 6029+00 TO STA 6037+50      STA 6076+50 TO STA 6079+50  
 STA 6043+50 TO STA 6049+50      STA 6100+50 TO STA 6106+50  
 STA 6067+50 TO STA 6070+50      STA 6169+50 TO STA 6175+00  
 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION REQUIRED AT THESE LOCATIONS.
- TRANSVERSE UNDERDRAINS SHALL BE INSTALLED AT LOW POINTS OF AGGREGATE SUBGRADE IMPROVEMENT, 18", LOCATIONS. THE TOP SHALL BE 6" BELOW THE BOTTOM OF THE AGGREGATE SUBGRADE IMPROVEMENT, 18". SEE SCHEDULE FOR LOCATIONS.
- INVERT OF LONGITUDINAL UNDERDRAINS SHALL BE 3.2' BELOW THE EDGE OF PAVEMENT ELEVATION.
- SHOULDERS TO HAVE UNIFORM THICKNESS.
- AGGREGATE BASE COURSE, 4", REQUIRED UNDER CONCRETE MEDIAN SURFACES.
- BRIDGE APPROACH CONNECTOR PAVEMENT LOCATIONS:  
 STA 6116+75.75 TO STA 6117+75.75 (NB)      STA 6119+04.25 TO STA 6120+04.25 (SB)  
 STA 6183+97.84 TO STA 6184+97.84 (NB)      STA 6186+90.17 TO STA 6187+90.17 (SB)

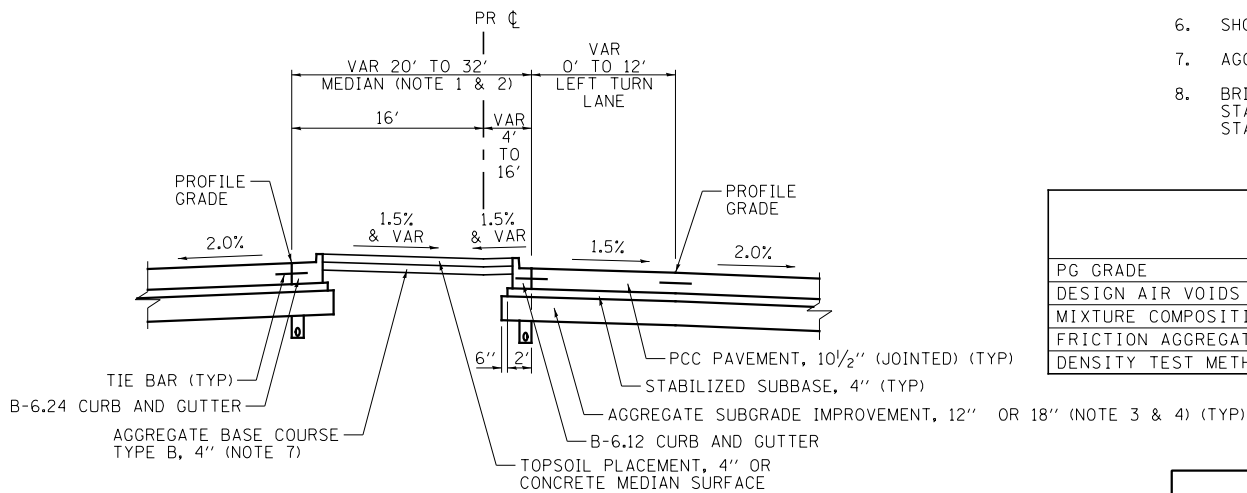
**MIXTURES TABLE**

	HMA BINDER NB & SB CONNECTOR	HMA SURFACE NB & SB CONNECTOR	HMA SURFACE SIDE ROADS	HMA BINDER SIDE ROADS	HMA STABILIZED SUBBASE
PG GRADE	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR Voids	4.0% @ N90	4.0% @ N90	4.0% @ N70	4.0% @ N70	2.0% @ N30
MIXTURE COMPOSITION	IL 19.0	IL 9.5	IL 9.5	IL 19.0	IL 19.0L
FRICTION AGGREGATE		MIXTURE D	MIXTURE D		
DENSITY TEST METHOD	CORES	CORES	CORES	CORES	CORRELATION



**MEDIAN OPENING DETAIL (A)**

\*STA 6029+00 TO STA 6029+69      STA 6098+11 TO STA 6098+96  
 STA 6035+26 TO STA 6036+26      STA 6124+50 TO STA 6125+90  
 STA 6044+92 TO STA 6046+01      STA 6142+02 TO STA 6143+10  
 STA 6061+19 TO STA 6062+11      STA 6151+26 TO STA 6152+11  
 STA 6074+93 TO STA 6076+05      STA 6175+30 TO STA 6176+27  
 STA 6082+02 TO STA 6083+11



**SINGLE LEFT TURN LANE DETAIL (B)**

**SOUTHBOUND**  
 STA 6029+69 TO STA 6031+20  
 STA 6036+26 TO STA 6040+11  
 STA 6062+11 TO STA 6067+30  
 STA 6076+05 TO STA 6082+03  
 STA 6083+11 TO STA 6088+89  
 STA 6098+96 TO STA 6104+88  
 STA 6125+90 TO STA 6131+51  
 STA 6143+10 TO STA 6157+38  
 STA 6176+27 TO STA 6182+11

**NORTHBOUND**  
 STA 6031+41 TO STA 6035+26  
 STA 6069+12 TO STA 6074+93  
 STA 6076+05 TO STA 6082+02  
 STA 6092+15 TO STA 6098+11  
 STA 6118+86 TO STA 6124+50  
 STA 6138+25 TO STA 6142+02  
 STA 6169+46 TO STA 6175+30

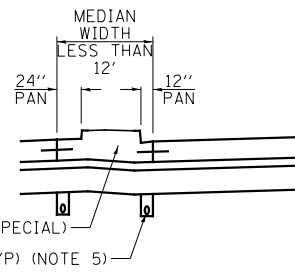
**IL. RTE. 47 STRUCTURAL PAVEMENT DESIGN**

STRUCTURAL DESIGN TRAFFIC (S.D.T.) YEAR 2026

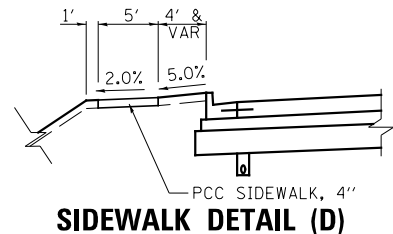
PV = 13410      SU = 1446      MU = 3024  
 CLASS I ROAD  
 SUBGRADE = POOR  
 TRAFFIC FACTOR = 20.84

PAVEMENT STRUCTURE MATERIALS:

SURFACE COURSE TYPE: PCC PAVEMENT, 10 1/2"  
 STABILIZED SUBBASE TYPE: HOT-MIX ASPHALT, 4"  
 SUB-BASE TYPE: AGGREGATE SUBGRADE IMPROVEMENT, 12"

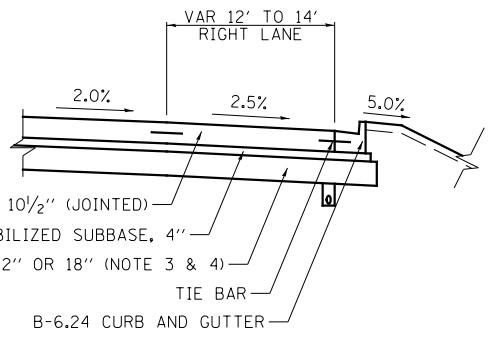


**CONCRETE MEDIAN (SPECIAL) DETAIL (C)**



**SIDEWALK DETAIL (D)**

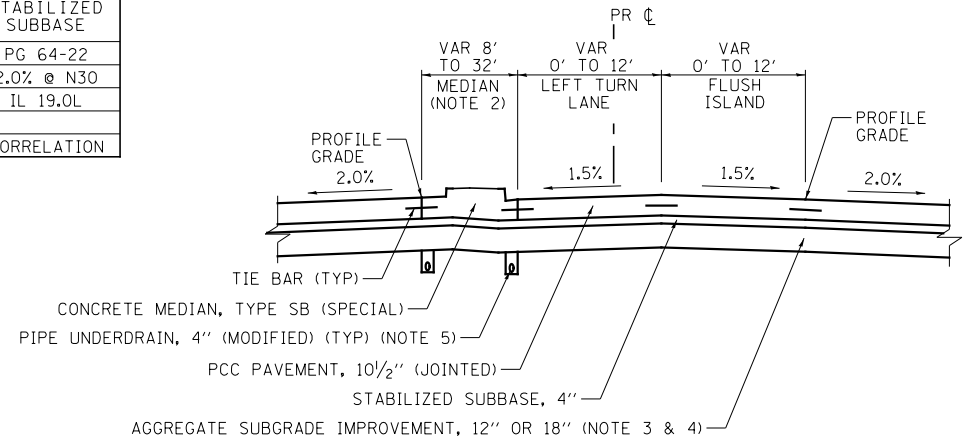
STA 6026+78 TO STA 6040+32



**RIGHT LANE DETAIL (E)**

**SOUTHBOUND**  
 STA 6039+63 TO STA 6052+40  
 STA 6060+04 TO STA 6066+50  
 STA 6097+79 TO STA 6099+34  
 STA 6150+93 TO STA 6152+49

**NORTHBOUND**  
 STA 6040+43 TO STA 6046+93



**DOUBLE LEFT TURN LANE DETAIL (F)**

**SOUTHBOUND**  
 STA 6046+01 TO STA 6051+30  
 STA 6152+23 TO STA 6157+38

**NORTHBOUND**  
 STA 6038+63 TO STA 6044+92  
 STA 6054+55 TO STA 6061+19  
 STA 6146+11 TO STA 6151+26