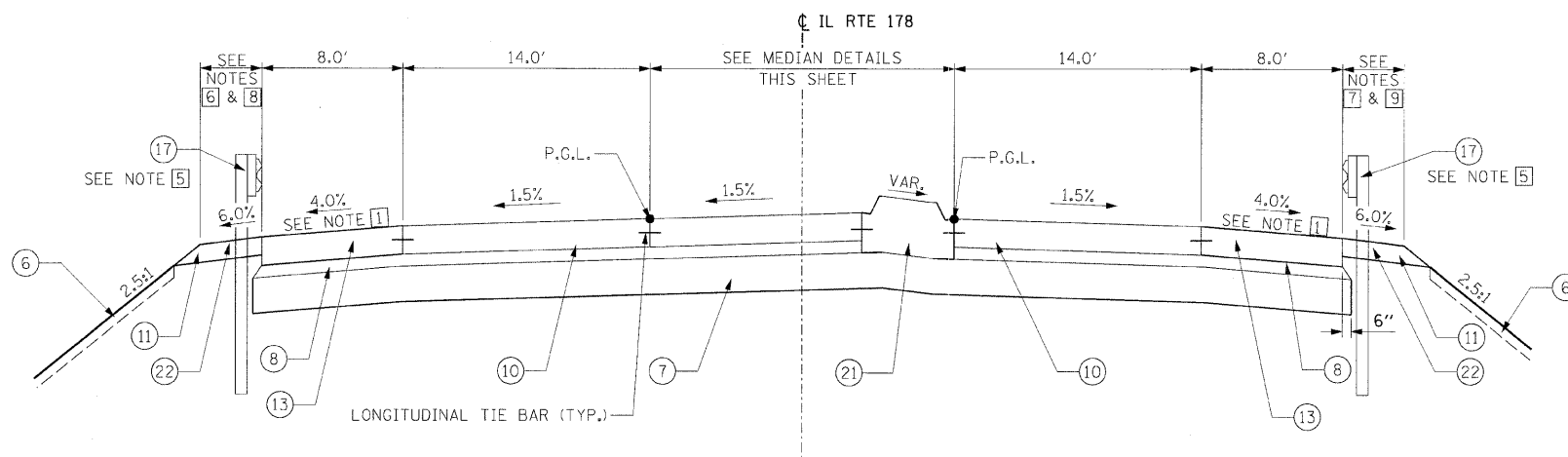


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	150-3H8K	LASALLE	492	25
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



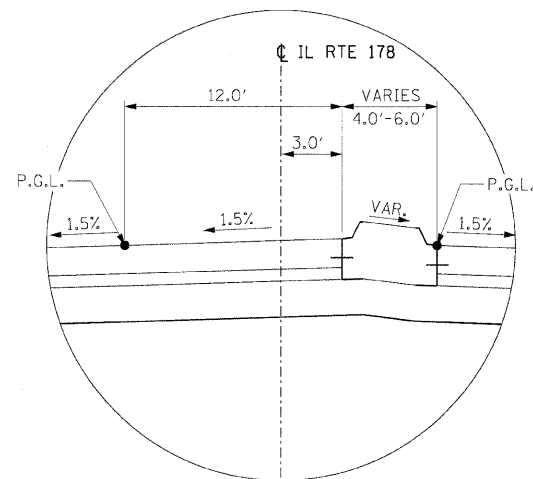
**IL RTE 178  
TYPICAL SECTION**  
STA. 110+87.31 TO STA. 113+73.50  
STA. 116+26.50 TO STA. 119+40.36

**NOTES:**

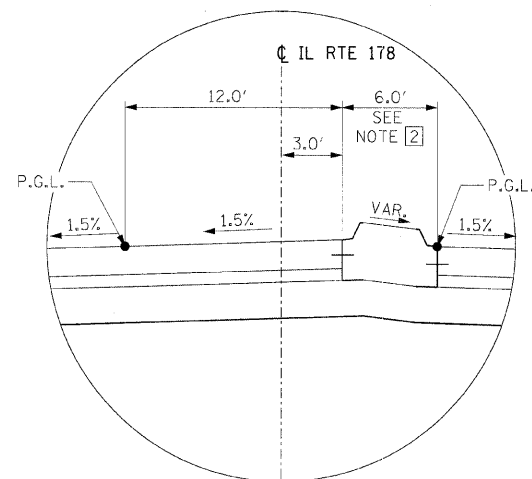
- 1 SHOULDER SLOPE  
TRANSITION SHOULDER SLOPE TO MATCH THE PROPOSED BRIDGE DECK CROSS SLOPE
- 2 MEDIAN  
STA. 113+63.50 TO STA. 113+73.50 = 10' CURB TRANSITION  
STA. 116+26.50 TO STA. 116+36.50 = 10' CURB TRANSITION  
TRANSITION MEDIAN CURB HEIGHT AND GEOMETRY BEFORE AND AFTER THE BRIDGE APPROACH PAVEMENT FROM M-4.06 TO THE PROPOSED BRIDGE MEDIAN CURB GEOMETRY DETAILED ON THE BRIDGE PLANS.
- 3 P.G.L. LOCATION  
STA. 113+83.58 TO STA. 116+23.59 = TRANSITIONS FROM 12.0' TO 0.0'
- 4 P.G.L. LOCATION  
STA. 113+83.58 TO STA. 116+23.59 = TRANSITIONS FROM 0.0' TO 12.0'
- 5 PROPOSED GUARDRAIL LOCATIONS  
RT. STA. 112+22.95 TO STA. 114+03.60  
LT. STA. 113+33.86 TO STA. 114+03.60  
LT. STA. 115+96.33 TO STA. 117+77.05  
RT. STA. 115+96.33 TO STA. 116+66.55

**LEGEND**

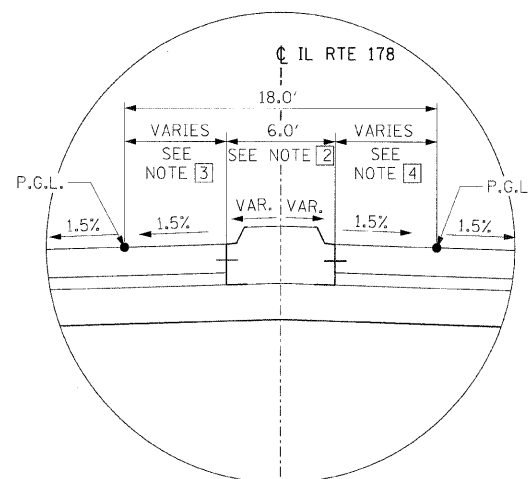
- 1 EXISTING GROUND LINE
- 2 EXISTING HOT-MIX ASPHALT SURFACE COURSE 2 1/4"
- 3 EXISTING HOT-MIX ASPHALT LEVELING BINDER 3/4"
- 4 EXISTING PCC PAVEMENT 10"
- 5 EXISTING SUB-BASE GRANULAR MATERIAL, TYPE A 4"
- 6 PROPOSED TOPSOIL FURNISH AND PLACE 4"
- 7 PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A 12"
- 8 PROPOSED STABILIZED SUB-BASE HOT-MIX ASPHALT 4"
- 9 PROPOSED AGGREGATE BASE COURSE, TYPE B 12"
- 10 PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
- 11 PROPOSED AGGREGATE SHOULDERS, TYPE B 6"
- 12 PROPOSED HOT-MIX ASPHALT SHOULDERS 13 3/4"
- 13 PROPOSED PORTLAND CEMENT CONCRETE SHOULDERS 9 3/4"
- 14 PROPOSED PIPE UNDERDRAINS 4"
- 15 PROPOSED PIPE UNDERDRAINS 6"
- 16 PROPOSED CONCRETE MEDIAN SURFACE, 4 INCH
- 17 PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A
- 18 PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 13 3/4"
- 19 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- 20 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 21 PROPOSED MEDIAN, TYPE SM-4.06
- 22 PROPOSED HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL (TO BE PAID FOR AS HMA SHOULDERS 6")
- 23 PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A 6"



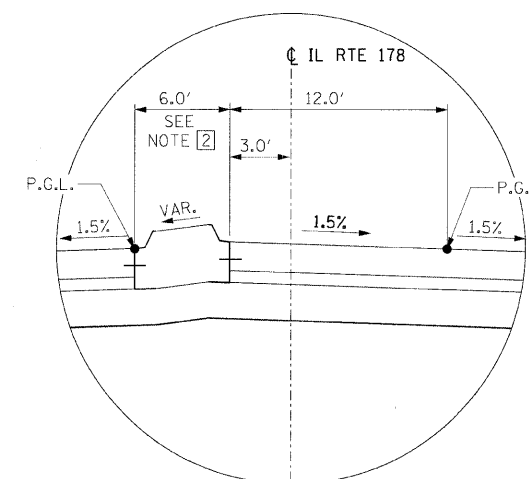
**IL RTE 178  
MEDIAN DETAIL "A"**  
STA. 111+41.88 TO STA. 111+93.88



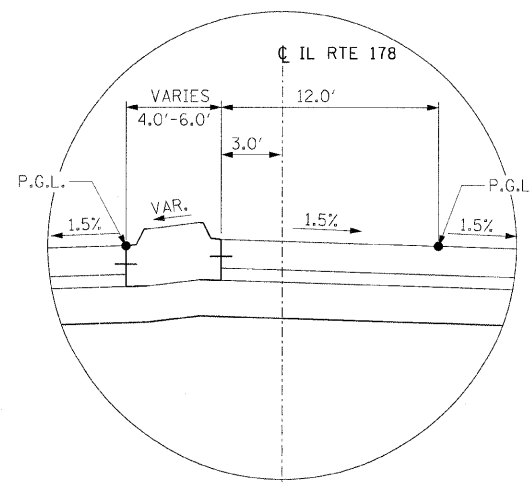
**IL RTE 178  
MEDIAN DETAIL "B"**  
STA. 111+93.88 TO STA. 113+83.58



**IL RTE 178  
MEDIAN DETAIL "C"**  
STA. 113+83.58 TO STA. 116+23.59



**IL RTE 178  
MEDIAN DETAIL "D"**  
STA. 116+23.59 TO STA. 118+35.58



**IL RTE 178  
MEDIAN DETAIL "E"**  
STA. 118+35.58 TO STA. 118+87.58

- 6 BITUMINOUS STABILIZATION  
STA. 112+59.84 TO STA. 114+03.59 = 3.25'  
STA. 115+96.33 TO STA. 117+60.07 = 3.25'  
STA. 117+60.07 TO STA. 117+64.57 = TRANSITION FROM 3.25' TO 4.0'  
STA. 117+64.57 TO STA. 117+99.57 = 4.0'  
STA. 117+99.57 TO STA. 118+23.57 = TRANSITION FROM 4.0' TO 0.0'
- 7 BITUMINOUS STABILIZATION  
STA. 111+76.45 TO STA. 112+00.45 = TRANSITION FROM 0.0' TO 4.0'  
STA. 112+00.45 TO STA. 112+35.45 = 4.0'  
STA. 112+35.45 TO STA. 112+39.95 = TRANSITION FROM 4.0' TO 3.25'  
STA. 112+39.95 TO STA. 114+03.60 = 3.25'  
STA. 115+96.37 TO STA. 117+40.12 = 3.25'
- 8 AGGREGATE SHOULDERS, TYPE B  
STA. 110+87.31 TO STA. 112+59.84 = 2.0'  
STA. 118+23.57 TO STA. 119+40.36 = 2.0'
- 9 AGGREGATE SHOULDERS, TYPE B  
STA. 110+87.31 TO STA. 111+76.45 = 2.0'  
STA. 117+40.12 TO STA. 119+40.36 = 2.0'

**IL RTE 178 OMISSIONS**

- BRIDGE APPROACH PAVEMENT OMISSION  
STA. 113+73.50 TO STA. 114+03.50
- STRUCTURE OMISSION  
STA. 114+03.50 TO STA. 115+96.50
- BRIDGE APPROACH PAVEMENT OMISSION  
STA. 115+96.50 TO STA. 116+26.50

STRUCTURAL DESIGN TRAFFIC		Year	2018
PV = 78%	SU = 8.2%	MU = 13.8%	
ROAD/STREET CLASSIFICATION		Class	II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:			
P = 50%	S = 50%	M = 50%	
TRAFFIC FACTOR	Actual TF = 7.97	AC Type = N/A	
	Minimum TF = 5.51		
PG GRADE: Top Binder = SBS PG64-28 Surface = 9 3/4" JOINTED PCC			
Bottom Binder = PG64-22			
SUBGRADE SUPPORT RATING:			
SSR = POOR	(Sta. 90+89.13 to 113+73.50)		
SSR = POOR	(Sta. 116+26.50 to 136+67.10)		

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
ILLINOIS ROUTE 178  
(UTICA ROAD)

SCALE: VERT. N/A  
HORIZ. N/A

DATE

DRAWN BY JAP  
CHECKED BY



MODEL NAME = IL RTE 178-4  
PLOT DATE = 12/23/2009  
DRAWN BY = JAP  
REVIEWED BY = JAP  
USER NAME = JAP