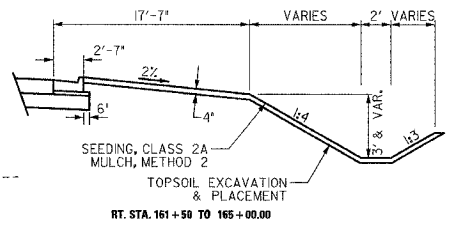
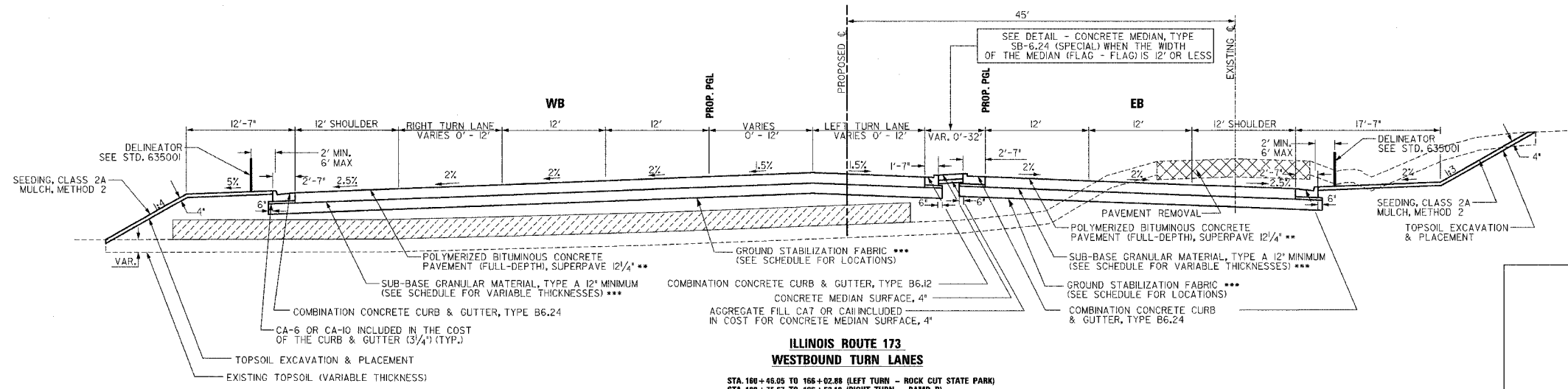


# TYPICAL SECTIONS - ILLINOIS ROUTE 173

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	I29K	WINNEBAGO	585	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



**STRUCTURAL DESIGN INFORMATION - FLEXIBLE PAVEMENT**  
IL 173

STRUCTURAL DESIGN TRAFFIC: YEAR: 2015  
IL 173: SU=510 MU=250  
PV=18140

PERCENT OF STRUCTURAL TRAFFIC IN DESIGN LANE:  
P=32% S=45% M=45%

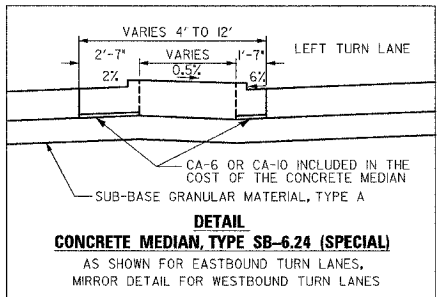
TRAFFIC FACTOR: Minimum TF=4.27  
Actual TF=1.1

AC Type=20 AC Mixture Temp.=76.3 F  
AC Mixture Modulus=642.5 KSI Design Strain=66 Micro strain

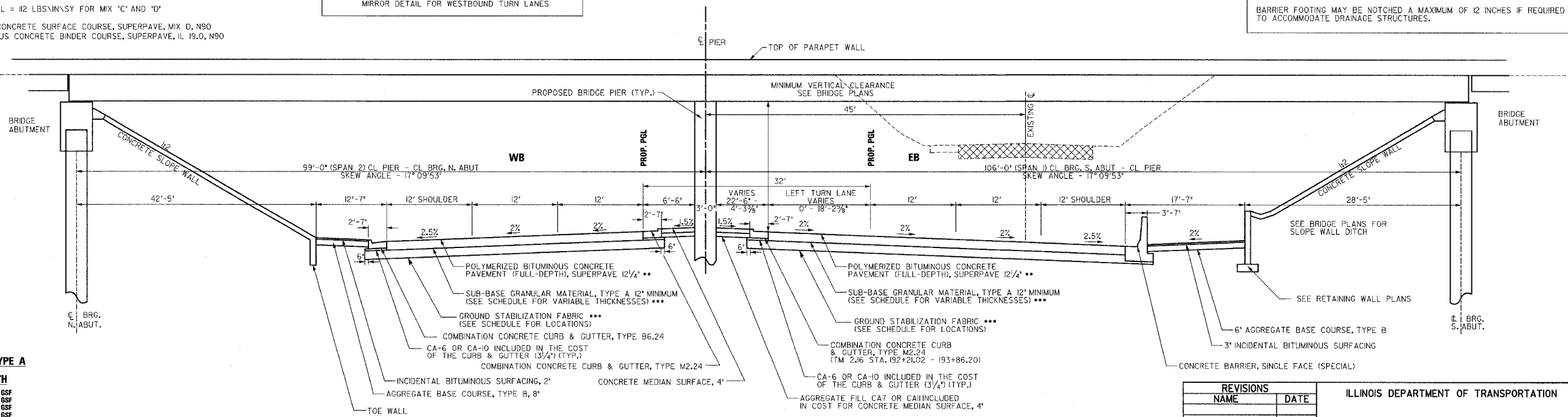
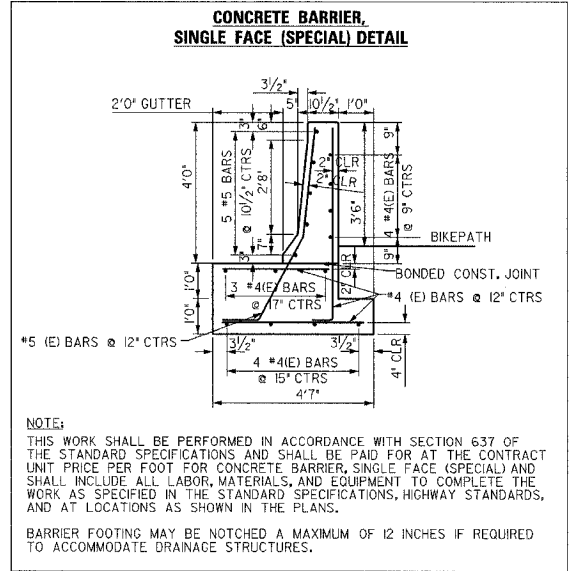
AC Grade: Binder=SBSPG70-22 Surface=SBSPG70-22

Flexible Pavement Thickness= 12 1/4"  
Surface=2" Binder=10 1/4"

Sub grade Support Rating: POOR (STA 142+32.87 to STA 231+14)



- \* WEIGHT OF BITUMINOUS MATERIAL = 112 LBS/IN<sup>2</sup> FOR MIX 'C' AND 'D'
- \*\* 2" POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N90  
10-1/4" POLYMERIZED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL 19.0, N90



**ILLINOIS ROUTE 173 SUB-BASE GRANULAR MATERIAL, TYPE A**

LOCATION	DEPTH
STA. 142+33 TO 149+50	18" with GSF
STA. 151+50 TO 153+50	12" with GSF
STA. 153+50 TO 158+00	18" with GSF
STA. 167+50 TO 185+50	18" with GSF
STA. 188+50 TO 193+00	18" with GSF
STA. 193+00 TO 204+50	24" with GSF
STA. 204+50 TO 214+50	18" with GSF
STA. 220+00 TO 231+84	18" with GSF

GSF: Ground Stabilization Fabric

**ILLINOIS ROUTE 173 AT INTERSTATE 90 BRIDGE**  
STA. 191+76.02 TO 193+23.17

- BREAKER-RUN CRUSHED STONE, 2" DEPTH STA. 161+00 - 162+00 & 185+00 TO 187+50 (VARIABLE WIDTH) - SEE CROSS SECTIONS
- EXISTING PAVEMENT TO REMAIN
- EXISTING PAVEMENT TO BE REMOVED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS - ILLINOIS ROUTE 173**

SCALE: VERT. N/A  
HORIZ. N/A  
DATE: SEPTEMBER 14, 2005

DRAWN BY: BSL  
CHECKED BY: PDS