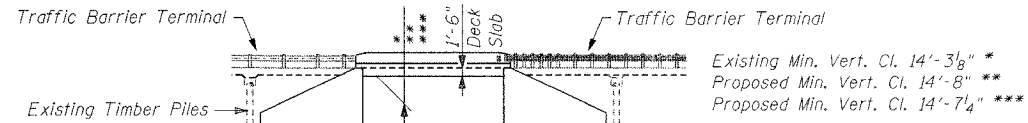


Bench Mark #35: "□" Cut on N.W. Wingwall of I-80 Westbound Bridge over Frontage Road Elev. 604.71

Existing Structure: Sta. 1931+99.35 FAI-80 Section 99-1 Built in 1960. Existing Structure Number 099-0042 (Eastbound) and 099-0043 (Westbound).  
 Proposed structure number 099-0308 (Ramp A).  
 Superstructure: Reinforced concrete slab.  
 Substructure: Closed Abutments. Existing and Proposed Structure Length 28'-0" back to back of Abutments, width variable.  
 Eastbound bridge to be widened on one side (Ramp G). Existing wingwall to be partially removed.  
 New bridge, wingwalls, and Retaining Walls to be Constructed for Ramp A.  
 Traffic to be maintained utilizing stage construction.  
 No Salvage

Note: The width between the guard rails shall be the width between the bridge parapets which will require approach shoulder widening. See Roadway Plans.



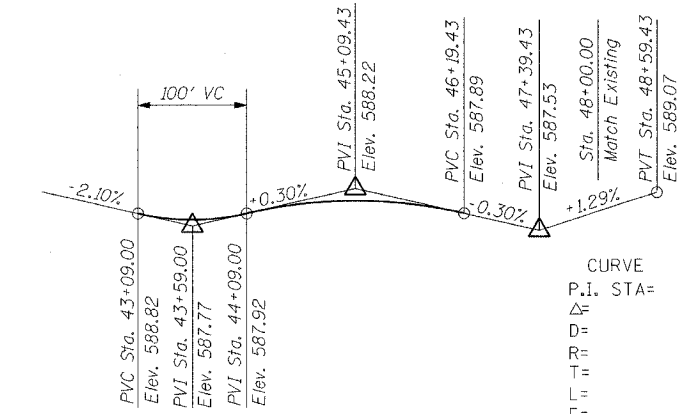
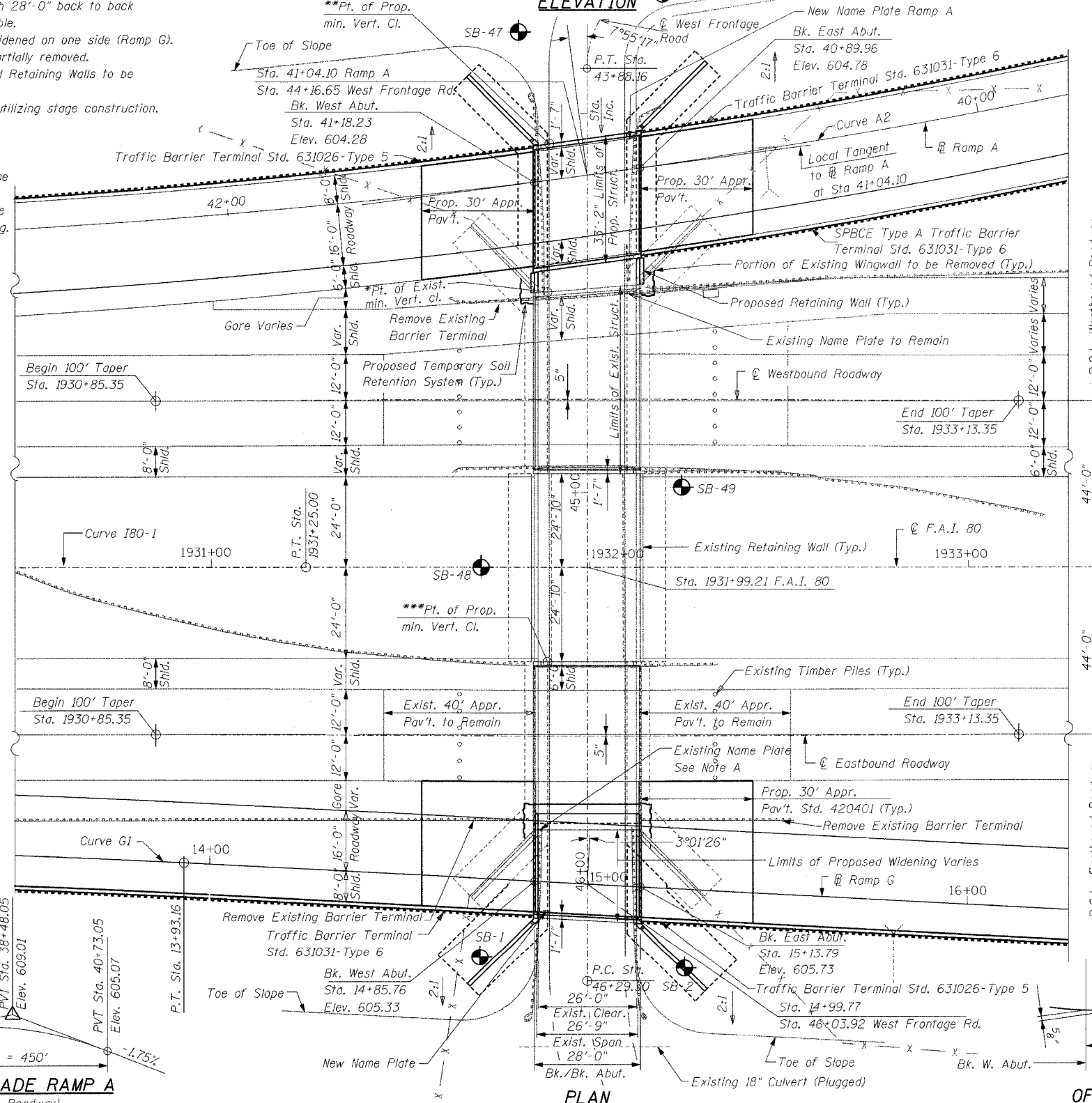
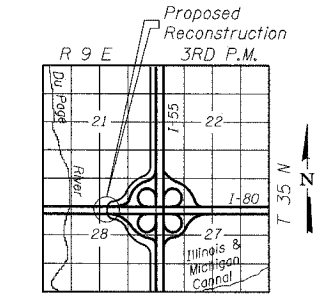
STATION 1931+99.35  
 REBUILT 200 BY  
 STATE OF ILLINOIS  
 FAI RT. 80 SEC. 99-1K, BY & AC-B)  
 LOADING HS20  
 STR. NO. 099-0042

STATION 1931+99.35  
 REBUILT 200 BY  
 STATE OF ILLINOIS  
 FAI RT. 80 SEC. 99-1K, BY & AC-B)  
 LOADING HS20  
 STR. NO. 099-0308

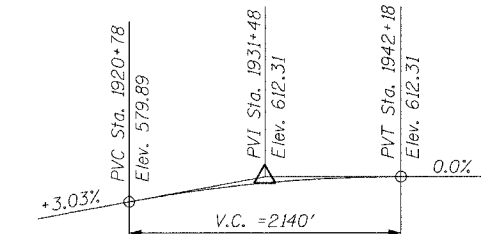
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80 99-1K, BY & AC-B)	COOK	497	300

**NAME PLATE**  
 See Std. 515001 I-80 (EB)

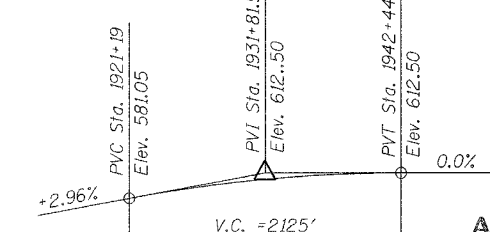
**NAME PLATE**  
 See Std. 515001 RAMP A



**PROFILE GRADE WEST FRONTAGE ROAD**  
 (Along E Roadway)



**PROFILE GRADE FAI 80**  
 (Along PGL Eastbound Lanes)



**PROFILE GRADE FAI 80**  
 (Along PGL Westbound Lanes)

Note A:  
 Existing Name Plate to be Cleaned and Relocated Adjacent to New Name Plate (Cost Included with Name Plates)

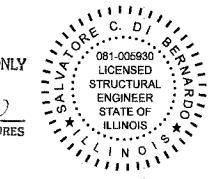
CURVE	1801	RAMP A2	RAMP G1
P.I. STA=	1928+14.09	37+03.27	11+96.66
Δ=	4°33'08"(LT.)	37°27'28"(RT.)	03°57'11"(LT.)
D=	0°45'00"	2°54'32"	1°00'20"
R=	7638.78'	1969.66'	5698.35'
T=	303.62'	667.80'	196.66'
L=	606.93'	1287.68'	393.16'
E=	6.03'	110.13'	3.39'
P.C. STA=	1925+10.47	30+35.47	10+00.00
P.T. STA=	1931+17.39	43+23.15	13+93.16

**LOADING HS20-44**  
 Allow 50#/sq. ft. for future wearing surface.  
**DESIGN SPECIFICATIONS**  
 2002 AASHTO

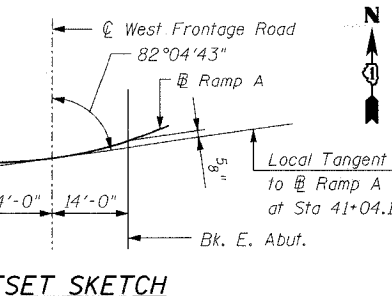
**DESIGN STRESSES**  
 FIELD UNITS  
 $f_c = 3,500$  psi  
 $f_y = 60,000$  psi (reinforcement)  
 $f_y = 50,000$  psi (M270 Grade 50)

**SEISMIC DATA**  
 Seismic Performance Category (SPC) = A  
 Bedrock Acceleration Coefficient (A) = 0.04 g  
 Site Coefficient (S) = 1.0

**APPROVED**  
 FOR STRUCTURAL ADEQUACY ONLY  
 Ralph E. Anderson  
 ENGINEER OF BRIDGES AND STRUCTURES



LEGEND:  
 Soil Boring Location



**OFFSET SKETCH**

REVISIONS	NAME	DATE

**Clorba Group, Inc.**  
 CONSULTING ENGINEERS  
 107 NORTH CLEVELAND AVENUE - CHICAGO, ILLINOIS 60608 - (773) 775-4200

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 GENERAL PLAN  
 FAI-80 OVER WEST FRONTAGE ROAD  
 FAI-80 SECTION 99-1 (K, BY & AC-B)  
 WILL COUNTY  
 FAI-80 STA. 1931+99.35  
 STRUCTURE NO. 099-0042, 099-0043, 099-0308  
 SCALE: NONE DRAWN BY IMG  
 DATE: OCTOBER 2004 CHECKED BY GDW