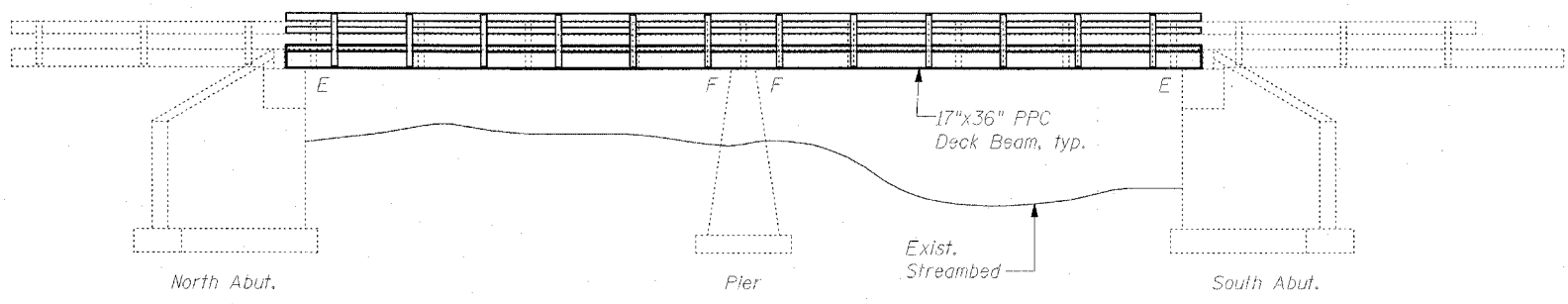


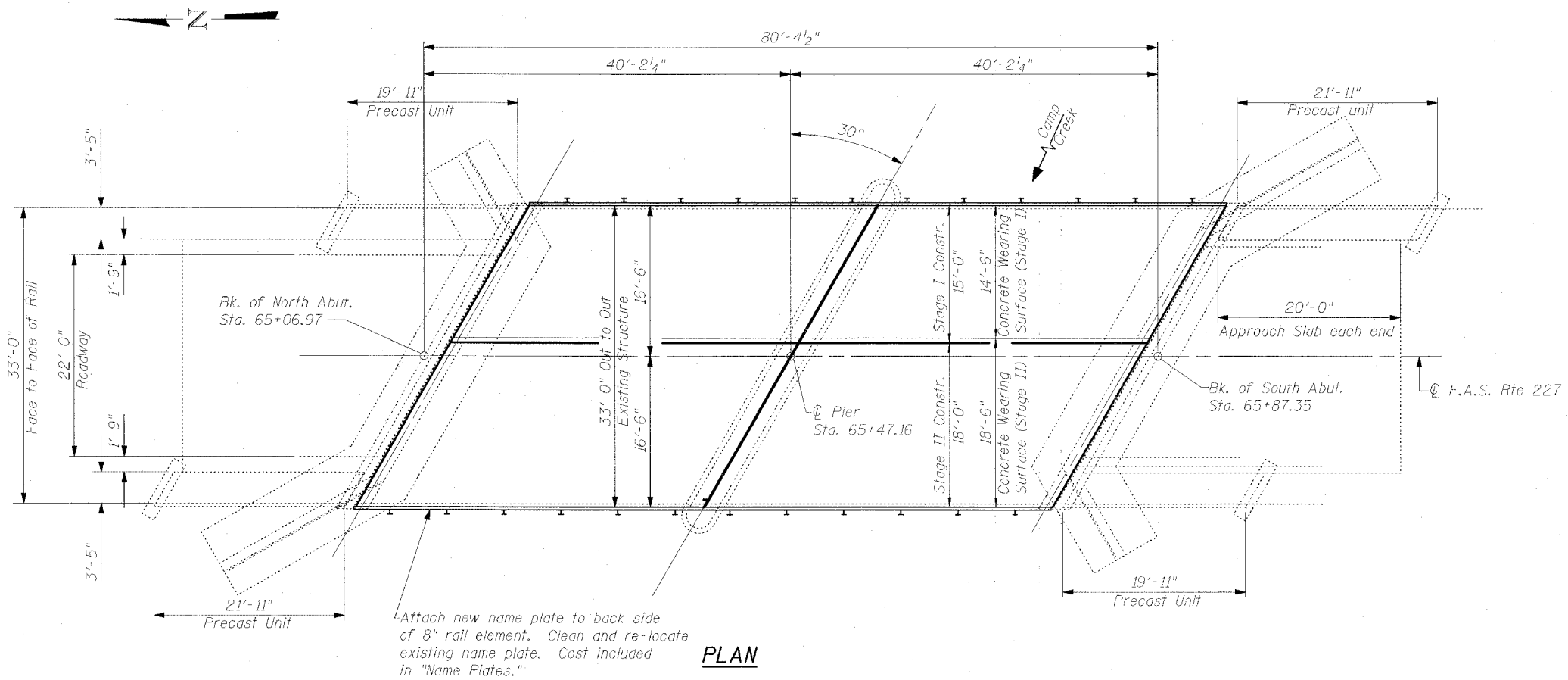
Existing Structure: The original structure, SN 037-0083 built as S.B.I. Rte. 81, Section 105 B @ Sta. 110+04 in 1932 was replaced with deck beams in 1982, as Section (105 BR & 105 BR-1)M.  
 The existing structure is a two span bridge with 17" P.P.C. deck beams & 5" concrete overlay. It is 80'-4 1/2" back to back of abutments. The existing deck is 33'-0" out to out & it provides two lanes of traffic. The substructure consists of two closed abutments and a solid web pier.

The superstructure to be removed & replaced utilizing Stage Construction.

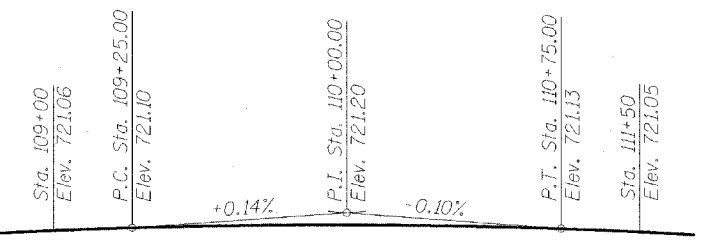
Salvage Existing Bridge Rail.



**ELEVATION**



**PLAN**



**PROFILE GRADE LINE**  
 (For Information Only)

**LOADING HS20-44**  
 No allowance for future wearing surface.  
**DESIGN SPECIFICATIONS**  
 2002 AASHTO

**DESIGN STRESSES**  
 FIELD UNITS  
 $f'_c = 3,500$  psi  
 $f'_c = 5,000$  psi (concrete wearing surface)  
 $f_y = 60,000$  psi (reinforcement)

**PRECAST PRESTRESSED UNITS**  
 $f'_c = 5,000$  psi  
 $f'_{ci} = 4,000$  psi  
 $f'_s = 270,000$  psi (1/2"  $\phi$  low lax strands)  
 $f_{si} = 201,960$  psi (1/2"  $\phi$  low lax strands)

**INDEX OF SHEETS**

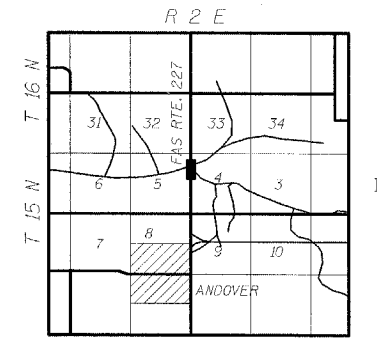
1. General Plan
2. General Notes and Stage Construction
3. Type SM Steel Bridge Rail Side Mounted
4. Concrete Wearing Surface
- 5.-7. Superstructure Details
8. Silicone Joint Sealer
- 9.-10. Abutment Repairs
11. Pier Repairs
12. Temporary Concrete Barrier For Stage Construction
13. Temporary Bridge Rail
14. Bar Splicer Assembly Details
15. Anchor Bolt Details
16. Existing Type SM Modified Steel Bridge Rail

ROUTE NO. FAS 227	SECTION 105BR-2	COUNTY HENRY	TOTAL SHEETS 31	SHEET NO. 13	SHEET NO. 1 16 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract #64B25

STATION 109+94.50  
 BUILT BY  
 STATE OF ILLINOIS  
 F.A.S. RTE. 227  
 SECTION 105BR-2  
 LOADING HS20  
 STR. NO. 037-0083

**NAME PLATE**  
 See Std. 515001



**LOCATION SKETCH**



*Clark Dietz*  
 Structural Engineer  
 Clark Dietz, Inc.  
 DATE: 12-14-2005  
 License Expires 11-30-2006

REVISIONS	
NAME	DATE

**GENERAL PLAN**  
 F.A.S. ROUTE 227 (OSCO ROAD)  
 OVER CAMP CREEK  
 SECTION 105BR-2  
 HENRY COUNTY  
 STATION 65+47.16  
 STRUCTURE NO. 037-0083

**Clark Dietz**

CHAMPAIGN, ILLINOIS  
 CHICAGO, ILLINOIS  
 EVANSVILLE, INDIANA  
 INDIANAPOLIS, INDIANA  
 KENOSHA, WISCONSIN  
 SPRING GREEN, WISCONSIN

NOTES: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

DRAWING NUMBER  
**S-1**