

B.M.

Existing Structure: Built in 1925, the original 3 span R.C. Girder Bridge was replaced in 1964 with a 3 Span PPC Deck Beam superstructure. Open R.C. Abutments and R.C. Piers were widened in 1964. The superstructure is to be removed and replaced utilizing stage construction. No salvage.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 1
FAP 324	26-VBR	DEKALB	39	10	13 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

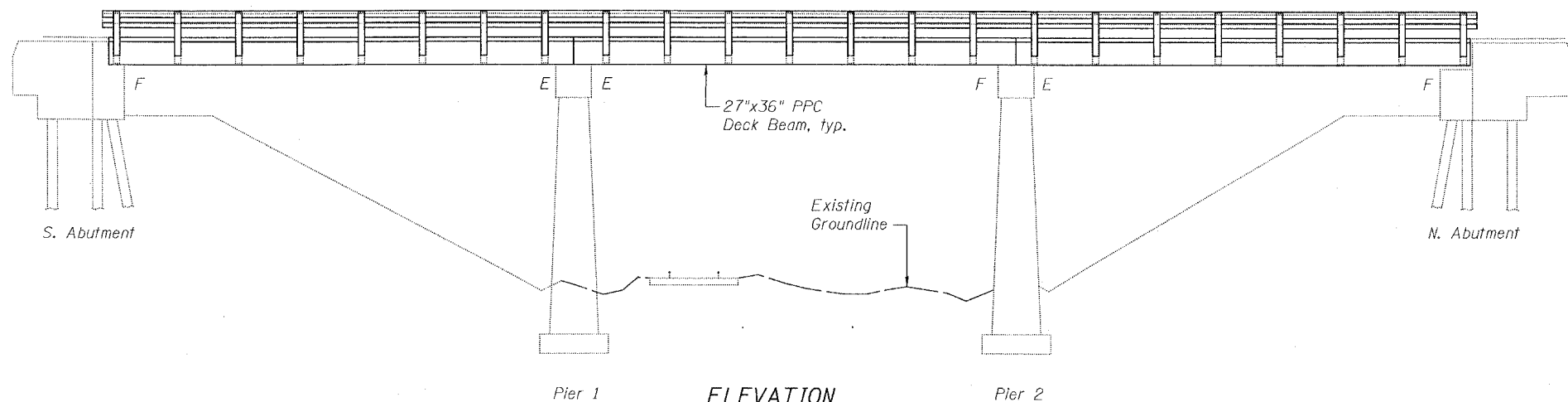
Contract #64A50

INDEX OF SHEETS

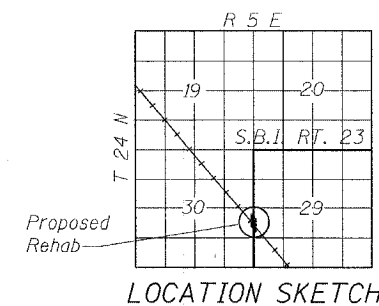
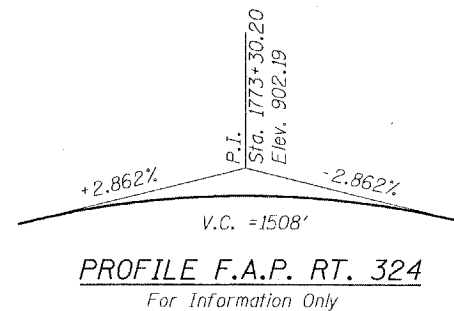
1. General Plan
2. General Notes and Stage Construction
3. Type SM Steel Bridge Rail Side Mounted
4. Concrete Wearing Surface
- 5.-7. Superstructure Details
- 8.-9. Bridge Joint System (Expansion)
- 10.-11. Pier Repairs
12. Temporary Concrete Barrier For Stage Construction
13. Bar Splicer Assembly Details

STATION 1773+30.24
 BUILT BY
 STATE OF ILLINOIS
 F.A.P. RTE. 324
 SEC. 26 VBR-1
 LOADING HS20
 STR. NO. 019-0005

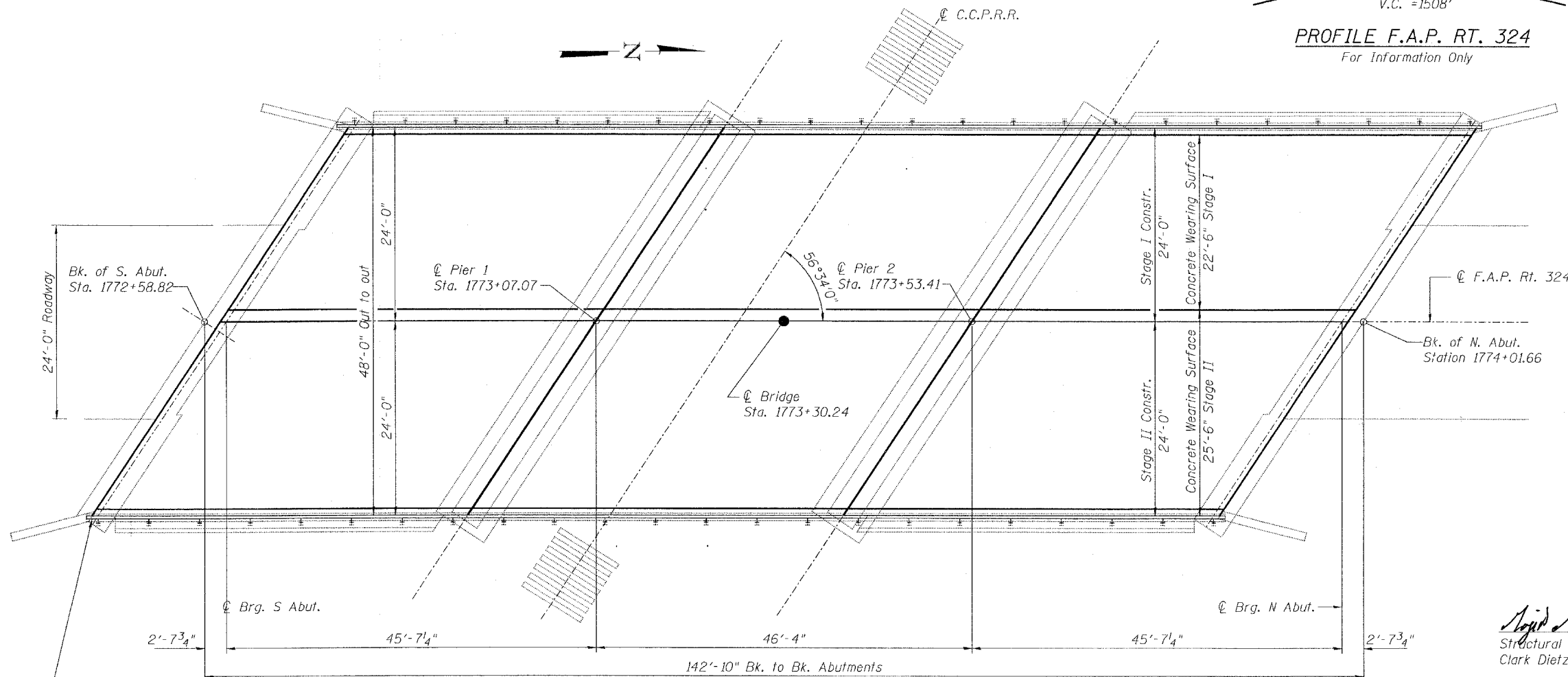
NAME PLATE
 See Std. 515001



ELEVATION



LOCATION SKETCH



PLAN

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

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)

PRECAST PRESTRESSED UNITS

$f'_c = 5,000$ psi
 $f'_{ci} = 4,000$ psi
 $f'_s = 270,000$ psi ($\frac{1}{2}$ " ϕ low lax strands)
 $f_{si} = 201,960$ psi ($\frac{1}{2}$ " ϕ low lax strands)



Majid Mobassesi
 Structural Engineer
 Clark Dietz, Inc

DATE: 8/18/2005
 License Expires 11-30-2006

GENERAL PLAN

F.A.P. ROUTE 324 (IL 23)
 SECTION 26 VBR-1
 DEKALB COUNTY
 STATION 1773+30.24
 STRUCTURE NO. 019-0005



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

REVISIONS		DATE	DRAWING NUMBER
NAME			
			S-1

Attach new name plate to back side of 8" rail element. Clean and re-locate existing name plate. Cost included in "Name Plates."