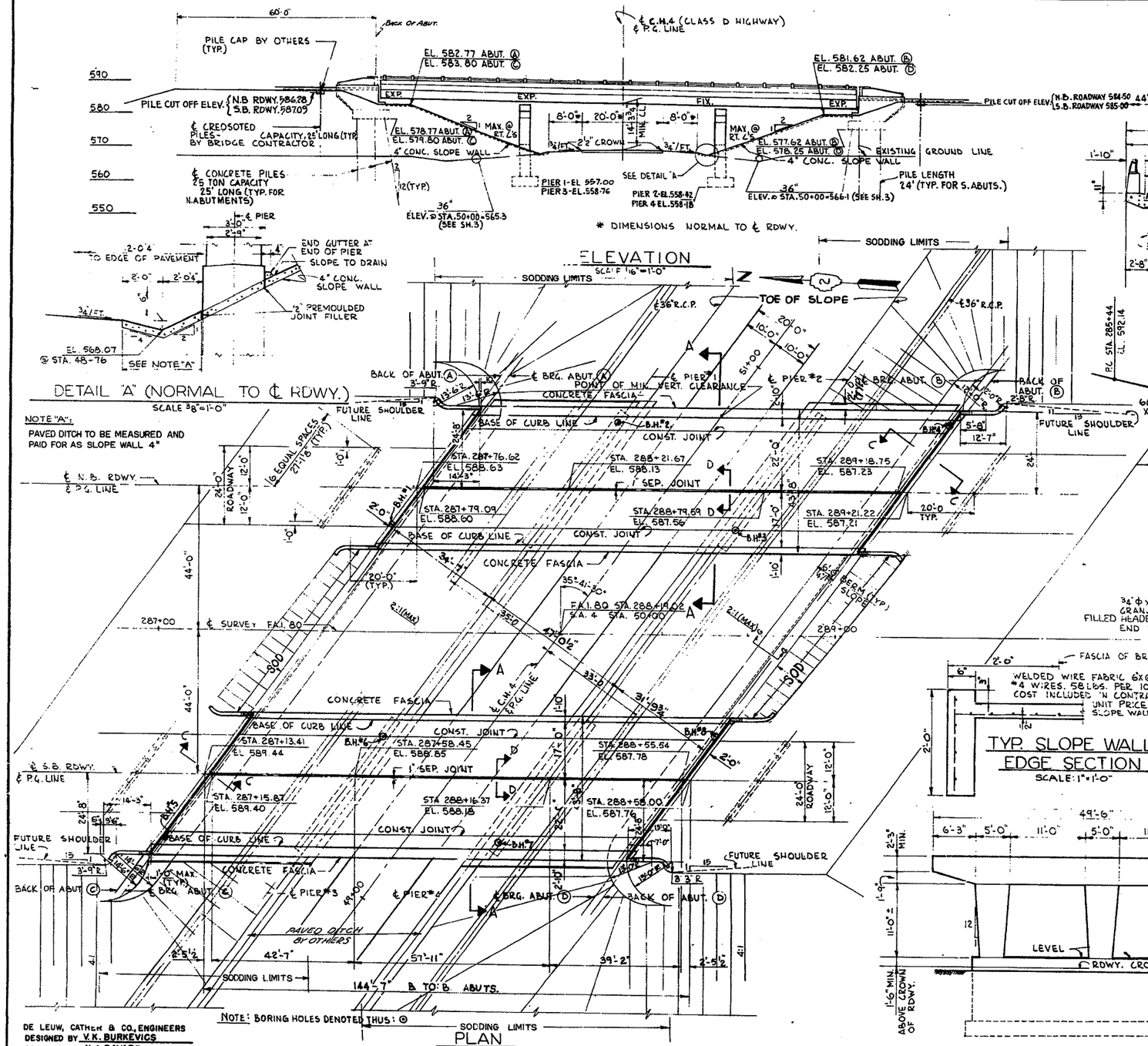
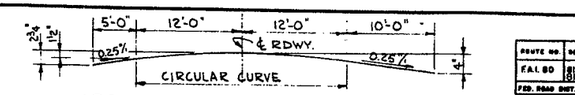
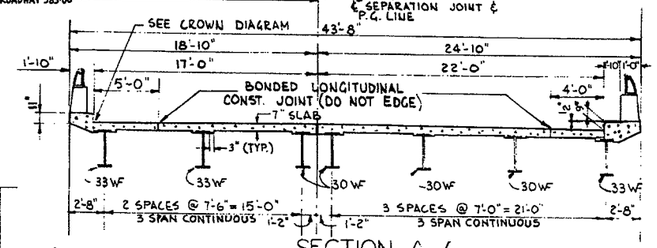
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	81-1HB-1 81-1VB-1	ROCK ISLAND	4-A	4
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT I-IG-80-1(29)		

SHEET NO. 4 SHEETS

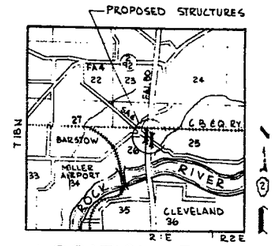




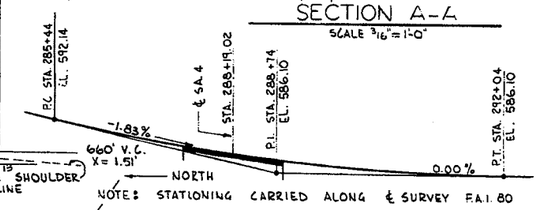
CROWN DIAGRAM - F.A.I. 80



SECTION A-A
SCALE 3/16" = 1'-0"

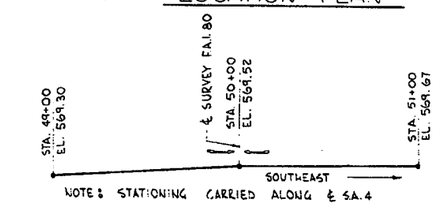


LOCATION PLAN



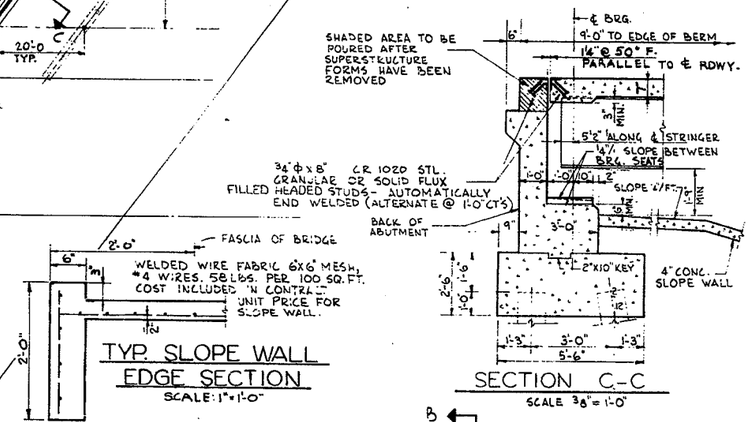
NOTE: STATIONING CARRIED ALONG ℄ SURVEY F.A.I. 80

PROFILE GRADE F.A.I. 80

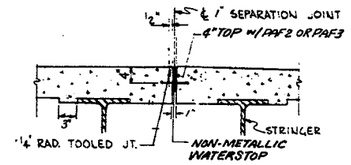


NOTE: STATIONING CARRIED ALONG ℄ S.A. 4

PROFILE GRADE EXISTING S.A. 4

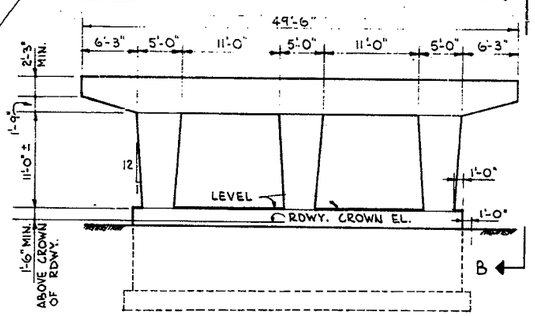


SECTION C-C
SCALE 3/8" = 1'-0"

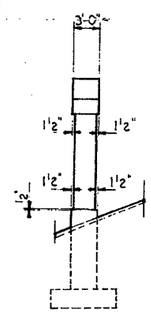


SECTION D-D
SCALE 3/4" = 1'-0"

TYP. SLOPE WALL EDGE SECTION
SCALE: 1" = 1'-0"



PIER ELEVATION.
SCALE: 1/8" = 1'-0".



END VIEW B B.
SCALE: 1/8" = 1'-0".

SECTION G-G

DESIGN LOADING H20-S16 AND ALTERNATE.

DESIGN STRESSES.

f_c = 1400 P.S.I. - SUPERSTRUCTURE AND SUBSTRUCTURE.
f_c = 1000 P.S.I. CONCRETE WITH EARTH PRESSURE
f_s = 20,000 P.S.I. REINFORCEMENT BARS
f_s = 20,000 P.S.I. STRUCTURAL STEEL
v = 75 P.S.I. ALLOWABLE SHEAR IN PIER FOOTINGS
n = 10

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
FURNISHING CREOSOTED PILES 20.1 TO 38 FEET	LIN FT	700
DRIVING TIMBER PILES	LIN FT	700
BRIDGE SEAT SEALANT*	LUMPSUM	0.5
SLOPE WALL 4 INCH	SQ YD	1665

*APPLIED AT BOTH ABUTMENTS

GENERAL PLAN AND ELEVATION

F.A.I. 80 SECTION 81-1HB-1
F.A.I. 80 OVER C.H. ROUTE 4

ROCK ISLAND COUNTY

STATION 288 + 19.02

SCALE: AS NOTED DATE:

DE LEUW, CATHER & CO., ENGINEERS
DESIGNED BY V.K. BURKEVICS
DRAWN BY N.J. BAVARO
CHECKED YAO NAN HUO
IN CHARGE E.S. MARTINS
APPROVED L.N. RIAN

REV. 1-16-64: SLOPE WALL 890 to 1665 SQ. YDS.. R.P.E.

SN 081-0016 & -0017