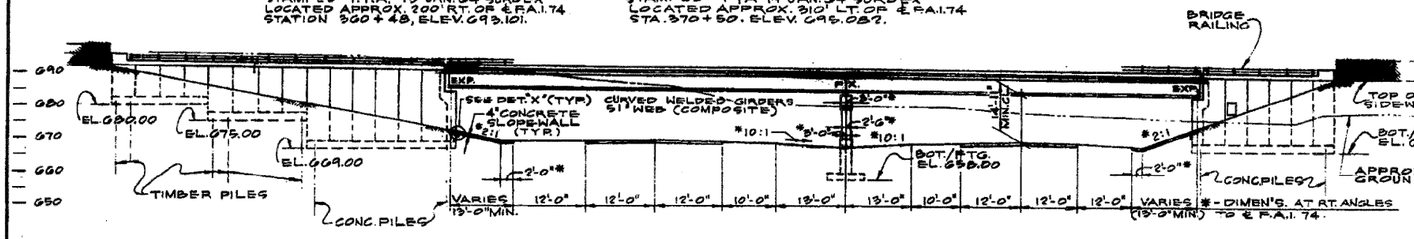
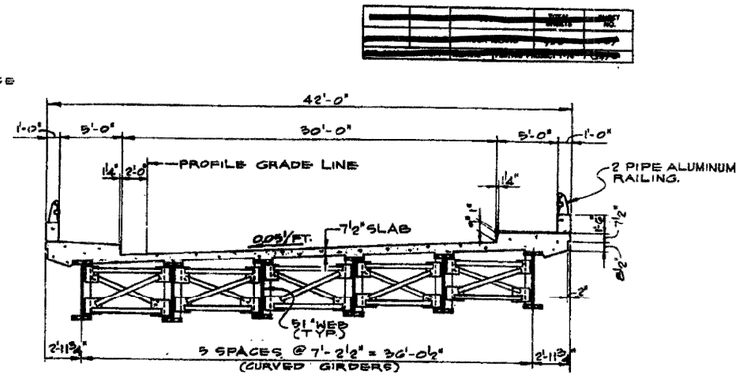
BENCH MARK A-13
BRASS CAP IN TOP OF 8" CONC. MON. STAMPED "T.T.A.-13 JAN. 64 SURDEX" LOCATED APPROX. 200' RT. OF ℄ F.A.I. 74 STATION 300+48, ELEV. 693.101.

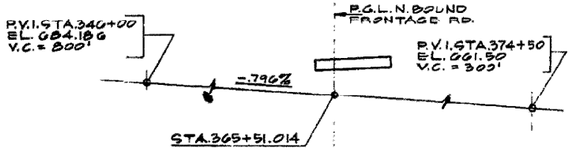
BENCH MARK A-14
BRASS CAP IN TOP OF 8" CONC. MON. STAMPED "TTA-14 JAN. 64 SURDEX" LOCATED APPROX. 310' LT. OF ℄ F.A.I. 74 STA. 370+50. ELEV. 695.082.



ELEVATION
SCALE: 1" = 20'-0"



SECTION A-A (RADIAL)
SCALE: 3/16" = 1'-0"

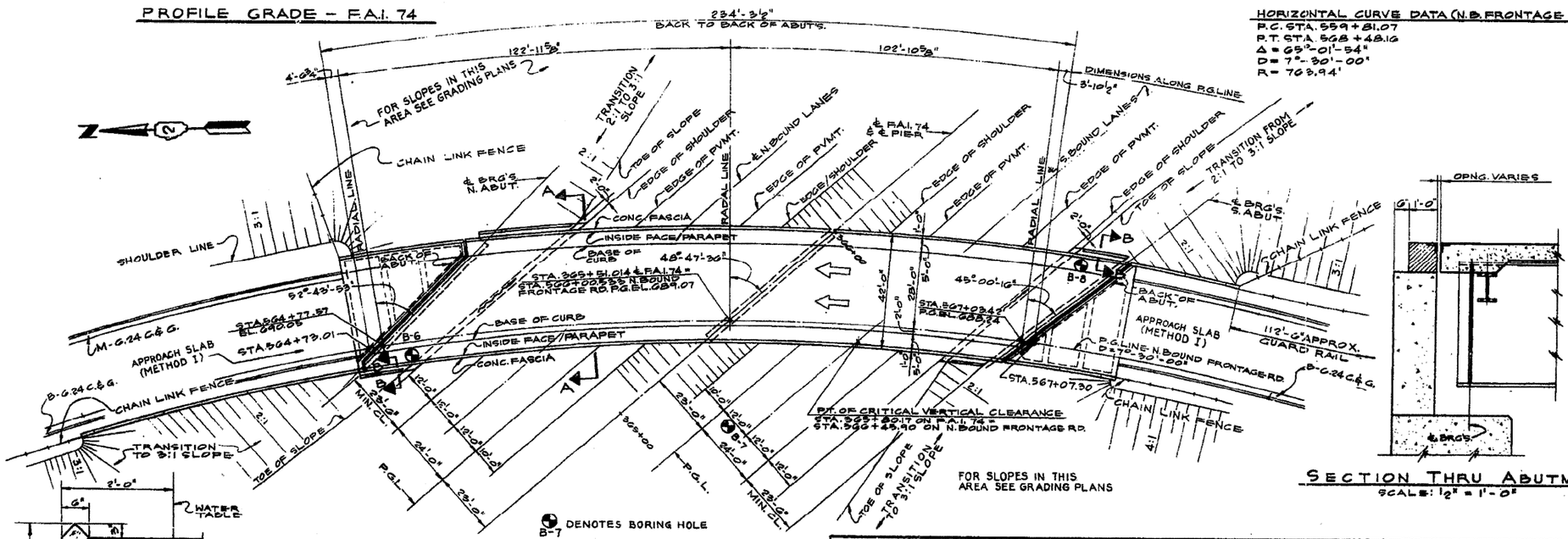


PROFILE GRADE - F.A.I. 74

FOR INFORMATION ONLY

LOCATION 2 Structure Number 081-0108

HORIZONTAL CURVE DATA (N.B. FRONTAGE ROAD)
P.C. STA. 559+81.07
P.T. STA. 568+48.16
Δ = 65°-01'-54"
D = 7°-30'-00"
R = 763.94'

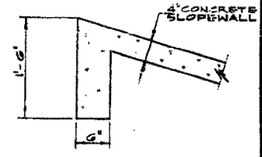


PLAN
SCALE: 1" = 20'-0"

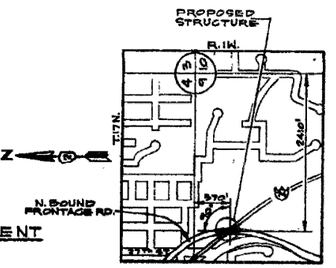
DENOTES BORING HOLE

FOR SLOPES IN THIS AREA SEE GRADING PLANS

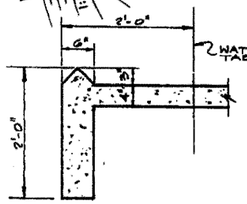
SECTION THRU ABUTMENT
SCALE: ½" = 1'-0"



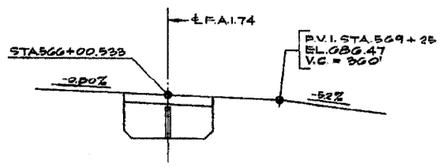
DETAIL X
SCALE: 1" = 1'-0"



LOCATION PLAN



SECTION B-B
SCALE: 1" = 1'-0"



PROFILE GRADE - N.B. FRONTAGE RD.
ROAD CLASSIFICATION 655-M-40 (CLASS OS-B)

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Carl E. Trimmer
Engineer of Bridge & Traffic Structures
William G. Horn

CALCULATED QUANT. = 409,494 lbs.

DESIGN LOADING:
HS 20-44

DESIGN STRESSES:
fc = 1400 PSI. EXCEPT AS FOLLOWS:
fc = 1900 PSI. DECK SLABS ONLY.
fc = 1000 PSI. CLOSED ABUT'G. ONLY.
fs = 20000 PSI. A36 STRUCTURAL STEEL.
fs = 20000 PSI. REINFORCEMENT BARS.
v = 73 P.S.I. ALLOWABLE SHEAR IN FOOTING.
ALLOWABLE L.L. DEFLECTION = 1/800 (COMPOSITE)
n = 10
FUTURE WEARING SURFACE = 25 P.S.F.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER STRUCT.	SUB STRUCT.	TOTAL	ITEM	UNIT	SUPER STRUCT.	SUB STRUCT.	TOTAL
CLASS "A" EXCAVATION FOR STRUCTURES *	CU. YD.	-	1,794	1,794	DRIVING CONCRETE PILES	LIN. FT.	-	3,730	3,730
					TEST PILE (TIMBER)	EACH	-	1	1
PROTECTIVE COAT	SQ. YD.	1,460	-	1,460	TEST PILE (CONCRETE)	EACH	-	2	2
CLASS "A" CONCRETE	CU. YD.	346.3	1,024.9	1,370.2	NAME PLATES	EACH	-	2	2
FURNISHING & ERECTING STRUCTURAL STEEL	L. SUM	a.2	-	a.2	SLOPE WALL, 4 INCH	SQ. YD.	-	270	270
ALUMINUM RAILING, TYPE I **	LIN. FT.	462	211	673	PIPE UNDERDRAINS, PERFORATED CORRUGATED STEEL PIPE, 6"	LIN. FT.	-	221	221
REINFORCEMENT BARS	POUND	80,230	116,180	196,410	BRIDGE SEAT SEALANT	L. SUM	-	-	a.2
FURNISHING CREOSOTED PILES, 20.1 FT. TO 38 FT.	LIN. FT.	-	806	806	PERMANENT BENCH MARKS, TYPE I	EACH	-	1	1
FURNISHING CONCRETE PILES	LIN. FT.	-	3,730	3,730	STUD SHEAR CONNECTORS	EACH	2,889	-	2,889
DRIVING TIMBER PILES	LIN. FT.	-	806	806	POROUS GRANULAR BACKFILL	CU. YD.	-	296	296

* INCLUDES 37 CU. YD. FOR SLOPE WALL EXCAVATION. ** TYPE M RAILING IS AN ACCEPTABLE ALTERNATE

Rev 11-28-67 M.L.

DE LEUW, CATHER & COMPANY ENGINEERS
DESIGNED BY D.D. PATEL
DRAWN BY S.P. ALLEMAN
CHECKED
IN CHARGE E.S. MARTINS
APPROVED W.G. HORN

GENERAL PLAN & ELEVATION
F.A.I. 74 SECTION 81-1HB-5
F.A.I. 74 UNDER NORTHBOUND FRONTAGE RD.
ROCK ISLAND COUNTY
STATION 365+51.014
SCALE: AS NOTED DATE:

* FAI ROUTES 74 & 88
** D2 BRIDGE PAINTING 2008-1

FILE NAME = P:\PAINTING\64D89\paint2008-1.dgn	USER NAME = linkdj	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Tue Jan 29 14:36:11 2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	ROCK ISLAND	40	16
		CONTRACT NO. 64D89		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		