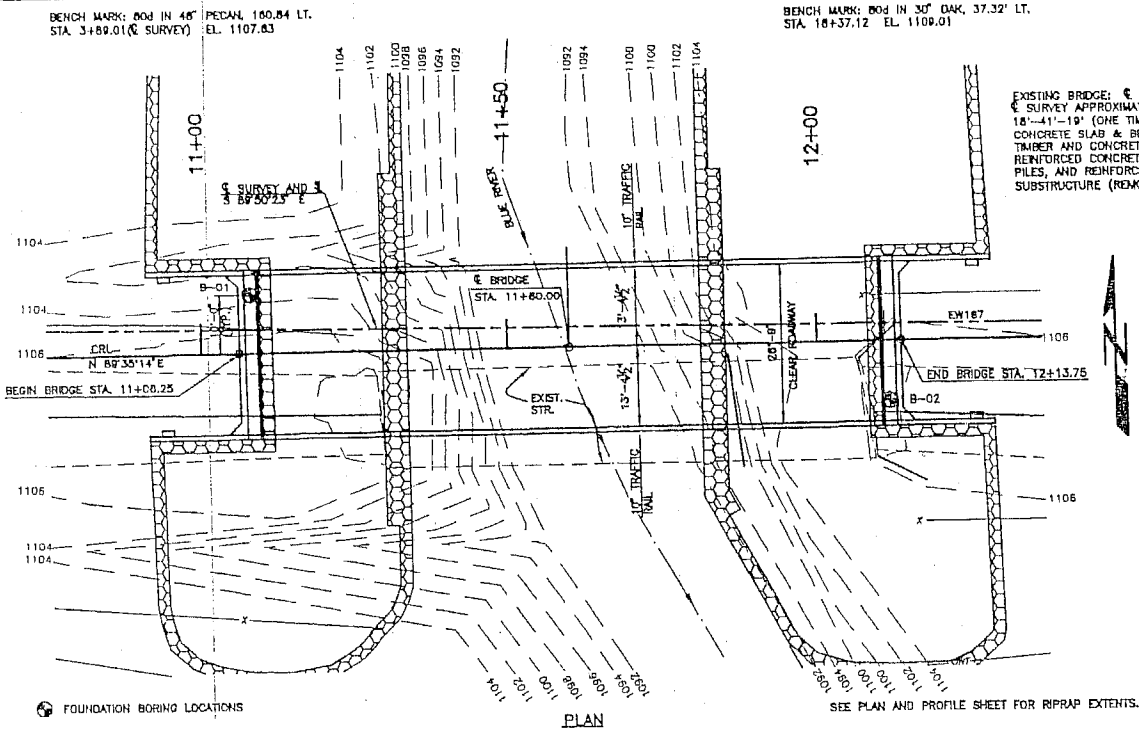
OKR2013230
PONTOTOC COUNTY COMMISSIONER, DISTRICT 3
BLUE RIVER
BRIDGE REPLACEMENT
ENCLOSURE 5 OF 5



EXISTING BRIDGE: ℄ SURVEY STA. 11+87.70, 14.83' RT. OF ℄ SURVEY APPROXIMATELY 78' LONG X 17' WIDE, 18'-41'-19' (ONE TIMBER BEAM SPAN, & TWO REINFORCED CONCRETE SLAB & BEAM SPANS) THREE SPAN BRIDGE WITH TIMBER AND CONCRETE FLOOR FOR SUPERSTRUCTURE AND REINFORCED CONCRETE AND TIMBER ABUTMENTS, TIMBER PILES, AND REINFORCED CONCRETE AND TIMBER CAPS FOR SUBSTRUCTURE (REMOVE).

HYDRAULIC DATA

D.A. =	44.43 SQ. MI.
Q2 =	2500 CFS
V2 =	3.10 FPS
CHW2 =	1102.94
Q5 =	5020 CFS
V5 =	5.02 FPS
CHW5 =	1105.15
QOT = Q0.7 =	7000 CFS
VOT =	5.71 FPS
CHWOT =	1106.24
Q10 =	7120 CFS
V10 =	6.50 FPS
CHW10 =	1106.30
Q25 =	10370 CFS
V25 =	6.45 FPS
CHW25 =	1107.76
Q50 =	13240 CFS
V50 =	6.75 FPS
CHW50 =	1108.43
Q100 =	18410 CFS
V100 =	6.99 FPS
CHW100 =	1109.01

DESIGN DATA

MATERIALS: CLASS A CONCRETE, f'c = 3,000 PSI
CLASS AA CONCRETE, f'c = 4,000 PSI
REINFORCING STEEL, fy = 60,000 PSI
STRUCTURAL STEEL, fy = 36,000 PSI

LOADING: HS 20-44

DESIGN: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 16TH EDITION WITH INTERIMS

ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE

OPERATING RATING: HS 60

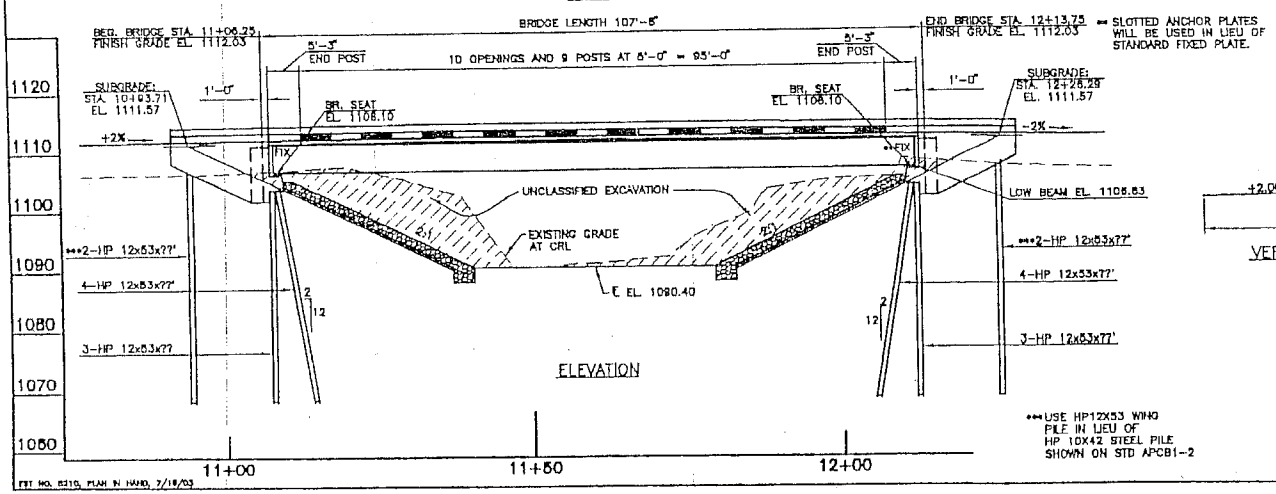
FOUNDATION DATA

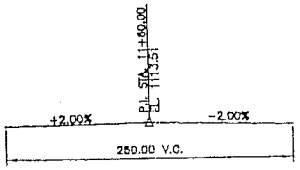
AVERAGE PILE LOAD = 42.0 TONS/PILE

ITEMIZED QUANTITIES

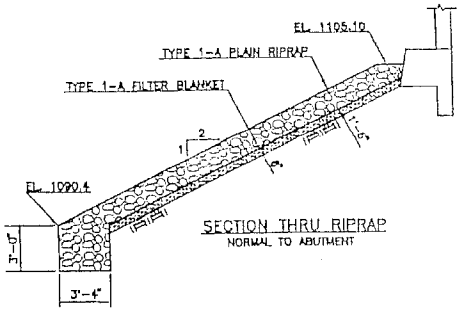
DESCRIPTION	UNIT	ABUTMENTS	SUPERSTRUCTURE	TOTAL
SUBSTRUCTURE EXCAVATION COMMON	CY	-	-	-
UNCLASSIFIED BACKFILL	CY	-	-	-
PRESTRESSED CONCRETE BEAMS (TYPE IV)	LF	-	-	-
CONCRETE RAIL (TR1)	LF	-	-	-
STRUCTURAL STEEL	LB	-	-	-
CLASS AA CONCRETE	CY	-	-	-
CLASS A CONCRETE	CY	-	-	-
* REINFORCING STEEL	LB	-	-	-
PILES, FURNISHED (HP 12x53)	LF	-	-	-
PILES, DRIVEN (HP 12x53)	LF	-	-	-
TYPE I-A PLAIN RIPRAP	TON	-	-	-
TYPE I-A FILTER BLANKET	TON	-	-	-

* QUANTITY INCLUDES - LBS FOR B2 BARS IN BRIDGE SEAT, - LBS FOR S8 BARS IN CONCRETE RAIL ON WINGS AND - LBS FOR S8 BARS IN CONCRETE RAIL ON SUPERSTRUCTURE.





VERTICAL CURVE DATA



SECTION THRU RIPRAP
NORMAL TO ABUTMENT

DESIGN	BRP	7/03
DRAWN	JRC	7/03
CHECKED	PGP	7/03
APPROVED		
REVISED		

EW187 OVER BLUE RIVER — PONTOTOC COUNTY
BRIDGE 'A'
GENERAL PLAN AND ELEVATION
1-105.0' TYPE IV P.C. BEAM SPAN,
26'-9" CL. RDY. WITH CONCRETE
TRAFFIC RAILS ℄ STA. 11+60.00

STATE JOB PIECE NO. 13318(04) — SHEET NO. 7

FST NO. 8210, PLAN IN HAND, 7/18/03