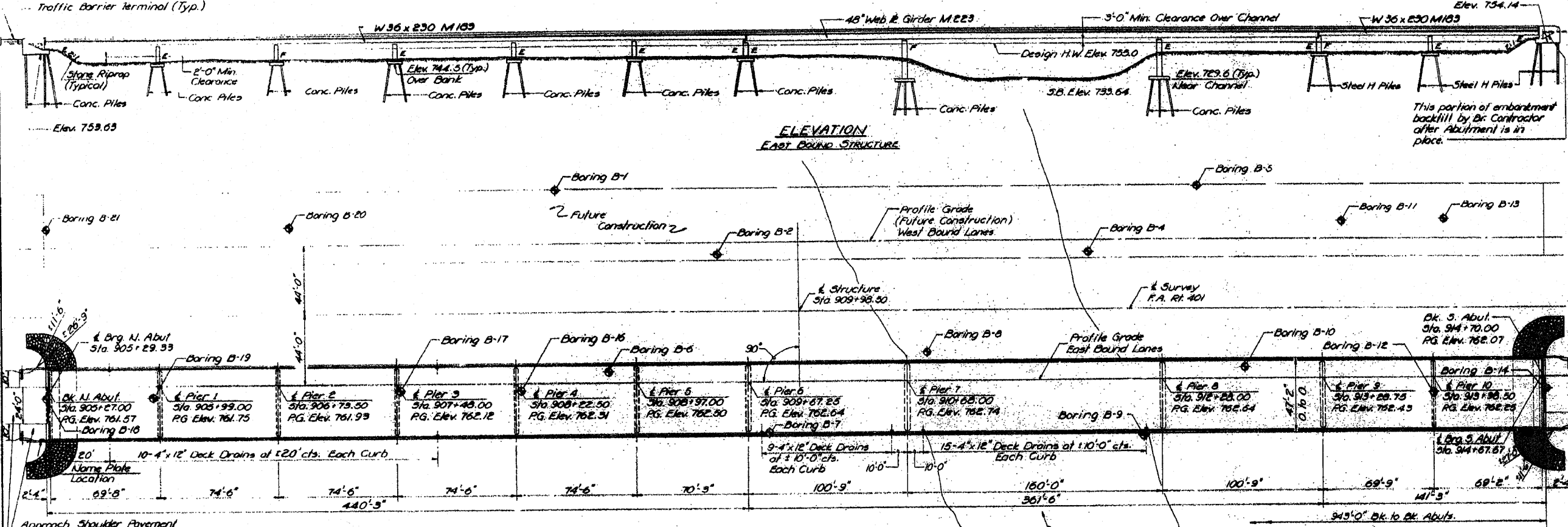


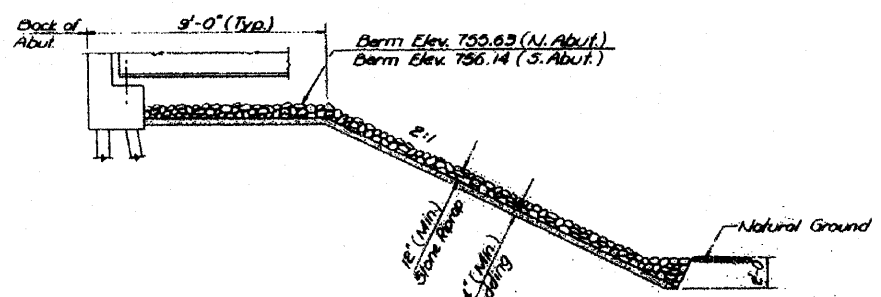
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	DESIGNED	CHECKED	DRAWN	SHEET NO.
1/17/12	DAU KRULL	MJR R.E.	S.G. FERROW	7
PROJECT NO. 089-0042				SHEETS
				33

Bench Mark: #18 R.R. Spike in 9' Tree on South Bank of River,
22' East of Large Maple (cluster of 5) 1000' West S.E. Corner
Sec. 27 Elev. 750.223 (Sta. 941+94.00, B.L.)
No Existing Structure
Traffic barrier terminal (Typ.)



Approach Shoulder Pavement
Standard E324 (Typical)
Approach Pavement
Standard E333 (Typical)



**SECTION THRU
STONE RIPRAP SLOPEWALL**

DESIGNED	DAU KRULL
CHECKED	J.K. MJR R.E.
DRAWN	S.G. FERROW
CHECKED	J.K. MJR R.E.

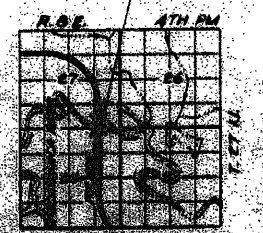
WATERWAY INFORMATION

Drainage Area	1590 Sq. Miles
Design Discharge (50 yr.)	80,520 cfs
Exist. Opening (Below 50 yr. H.W.E.)	1500 Sq. Ft.
Prop. Opening (Below 50 yr. H.W.E.)	6550 Sq. Ft.
Prop. Opening (Below 100 yr. H.W.E.)	6550 Sq. Ft.
Creeped Head for Design Flood	0.32 Ft.
100-Year Discharge	25,000 cfs
Creeped Head for 100-Year Flood	0.30 Ft.

DESIGN STRESSES

- f_c = 5500 p.s.i.
- f_y = 50,000 p.s.i. Struct. Steels 7169
- f_y = 35,000 p.s.i. Struct. All other Steels
- f_v = 60,000 p.s.i. Reinforcement All Steels

Epoxy coated reinf. bars shall be used in the top layer of the slab.
New cast-in-place for future wearing surface.
Design Specifications: IRTT Appendix 1070 and 1079
LOADINGS: HS20-44



STATION 909+92.50
BUILT 198 BY
STATE OF ILLINOIS
F.A. RT. 401 SEC. 17-10-1
F.A. PROJ. EDP-401-L(8)
LOADING: HS20-44
STR. No.

NAME PLATE
(See Std. E113)
* Structure Number to be supplied by District

**GENERAL PLAN & ELEVATION
F.A. RT. 401 OVER PECATONICA RIVER
SECTION 17-10-1
STEPHENSON COUNTY
STATION 909+92.50**

FOR INFORMATION ONLY

FILE NAME = 0:\BR\Bridge Painting\Contr\acts\PAINTING\64688\PLA\eng.dgn	USER NAME = linkdj	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	Existing Bridge Plans Structure No. 089-0042	F.A. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISD -	var. D2 Bridge Painting 2011-2			various	25	17		
PLOT DATE = Sat Jan 22 07:18:12 2011	DATE -	REVISD -	SCALE: _____			SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 64688		
								ILLINOIS FED. AID PROJECT		