

Bench Mark: USGS brass disk located on N.E. Abut. Elevation = 469.91

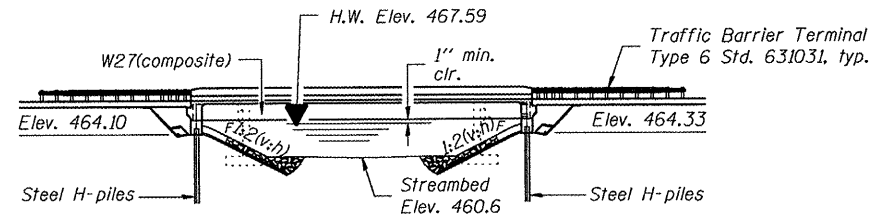
Existing Structure: S.N. 072-0017 Built as SBI Rte. 29, Section 10B in 1937 and widened in 1954.
A single span R.C. "T" beam superstructure on closed abutments, 55'-0" back to back abutment and 87'-5" out to out. Existing structure to be removed and replaced utilizing stage construction.

No salvage

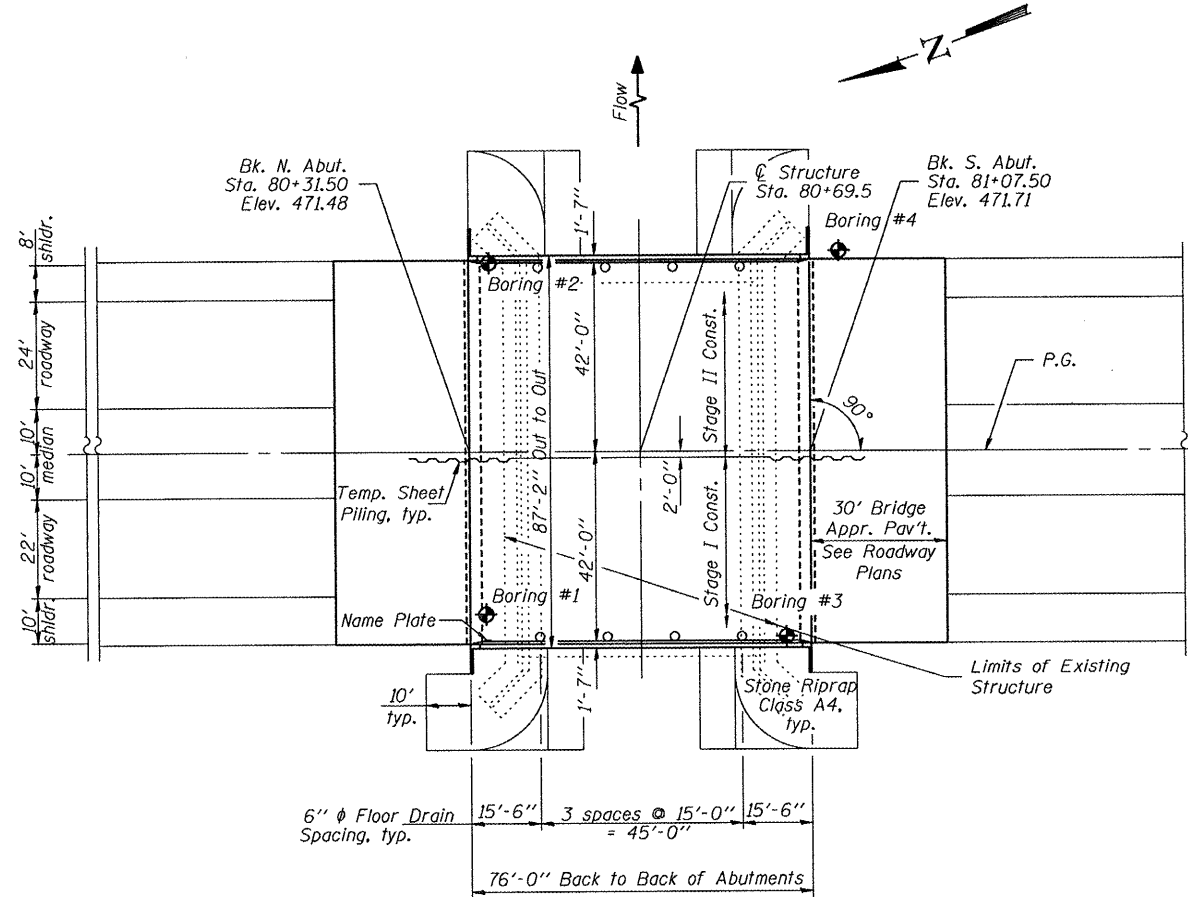
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET NO. 1
FAP 64	(10B)BR	PEORIA	186	46	22 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

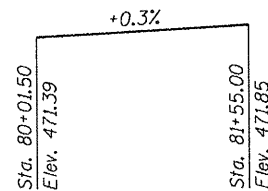
Contract #88803



ELEVATION



PLAN



PROFILE GRADE
(along centerline roadway)

DESIGNED	D.P. CASTENS
CHECKED	D. F. ZERRA SEN R.B.C./F.L.L.
DRAWN	h.t. duong
CHECKED	D.P.C./D.F.Z.

November 13, 2008
EXAMINED: *Thomas J. ...*
PASSED: *Ralph ...*
ENGINEER OF BRIDGES AND STRUCTURES

EXPIRES 11-30-2010

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (feet)	N. Abut.	S. Abut.
	464.10	464.33

WATERWAY INFORMATION

Drainage Area = 2.38 Sq. Mi. Low Grade Elev. 469.30 (exist.)

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Prop.	Nat. H.W.E. Exist.	Prop.	Head - Ft. Exist.	Prop.	Headwater El. Exist.	Prop.
Design	50	1554	178.79	357.36	467.59	1.41	0.52	469.00	468.11	
Base	100	1554	178.79	357.36	467.59	1.41	0.52	469.00	468.11	
Overtopping	-	-	-	-	-	-	-	-	-	-
Max. Calc.	500	1554	178.79	357.36	467.59	1.41	0.52	469.00	468.11	

STATION 80+69.5
BUILT 20 BY
STATE OF ILLINOIS
F.A.P. RTE. 64 SEC. (10B)BR
LOADING HS20
STRUCTURE NO. 072-0198

NAME PLATE
See Std. 515001

INDEX OF SHEETS

- 1 General Plan & Elevation
- 2 General Data
- 3 Stage Construction & Temporary Sheet Piling Details
- 4 Temporary Concrete Barrier for Stage Construction
- 5-7 Top of Slab Elevations
- 8 Top of North Approach Slab Elevations
- 9 Top of South Approach Slab Elevations
- 10 Superstructure
- 11 Superstructure Details
- 12 Diaphragm Details
- 13 Structural Steel
- 14 North Abutment
- 15 South Abutment
- 16 HP Pile Details
- 17 Bar Splicer Assembly Details
- 18 Cantilever Forming Brackets
- 19-22 Boring Logs

LOADING HS20

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

1996 AASHTO with 1997, 1998 & 1999 Interims

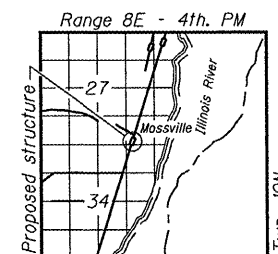
DESIGN STRESSES

FIELD UNITS

- $f'_c = 3,500$ psi
- $f_y = 60,000$ psi (reinforcement)
- $f_y = 36,000$ psi (AASHTO M270 Grade 36)
- $f_y = 50,000$ psi (AASHTO M270 Grade 50)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.041g
Site Coefficient (S) = 1.2



LOCATION SKETCH

GENERAL PLAN & ELEVATION
ILLINOIS ROUTE 29 OVER
ILLINOIS RIVER TRIBUTARY
F.A.P. RTE. 64 - SECTION (10B)BR
PEORIA COUNTY
STATION 80+69.5
STRUCTURE NO. 072-0198