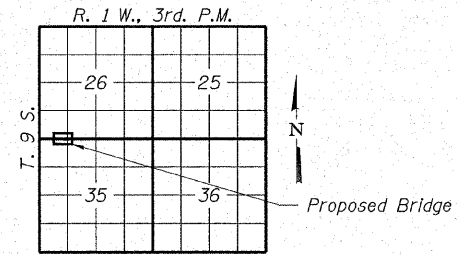


ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.
FAU 9713	99-02118-00-FP	JACKSON	122	53

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT-
CONTRACT NO. 99219

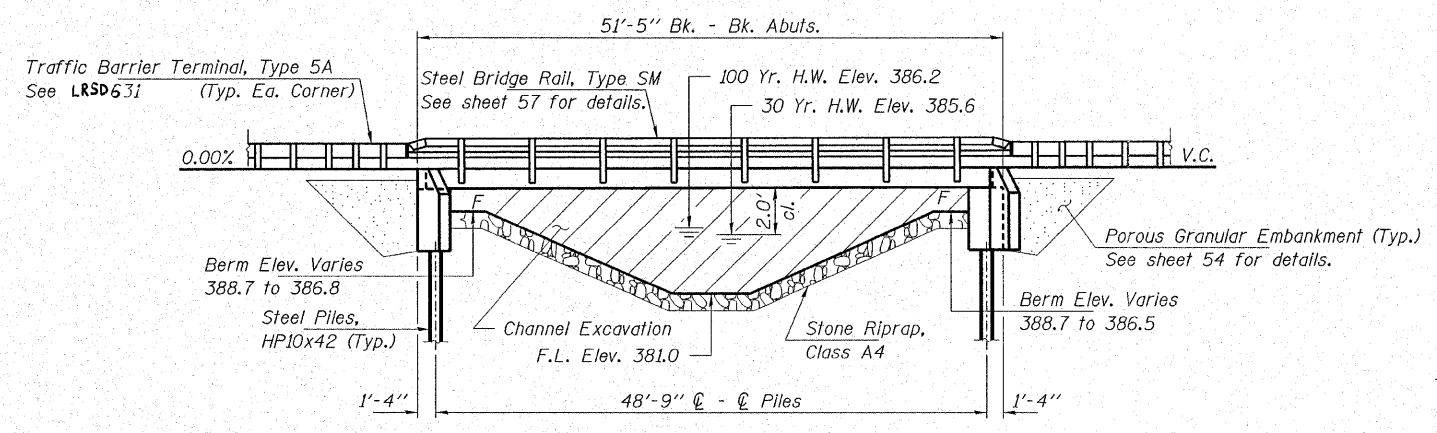
BUILT 200_ BY
JACKSON COUNTY
FAU 9713 / C.H. 16
SEC. 99-02118-00-FP
F.A. PROJ. M-HPD-024(96)
STR. NO. 039-3254
LOADING HS 20

NAME PLATE
See Std. 515001

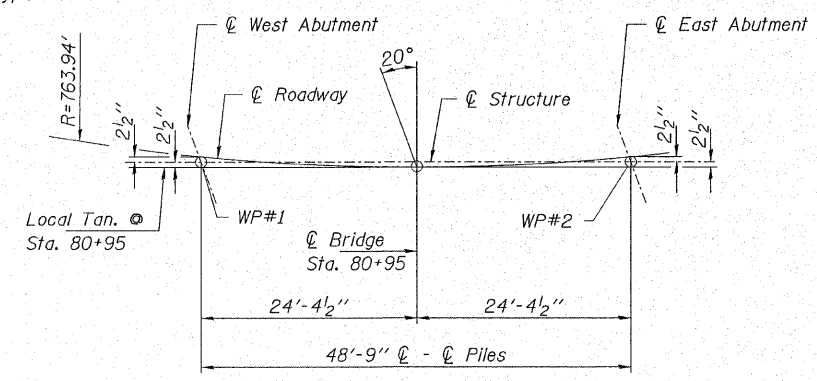


GENERAL NOTES

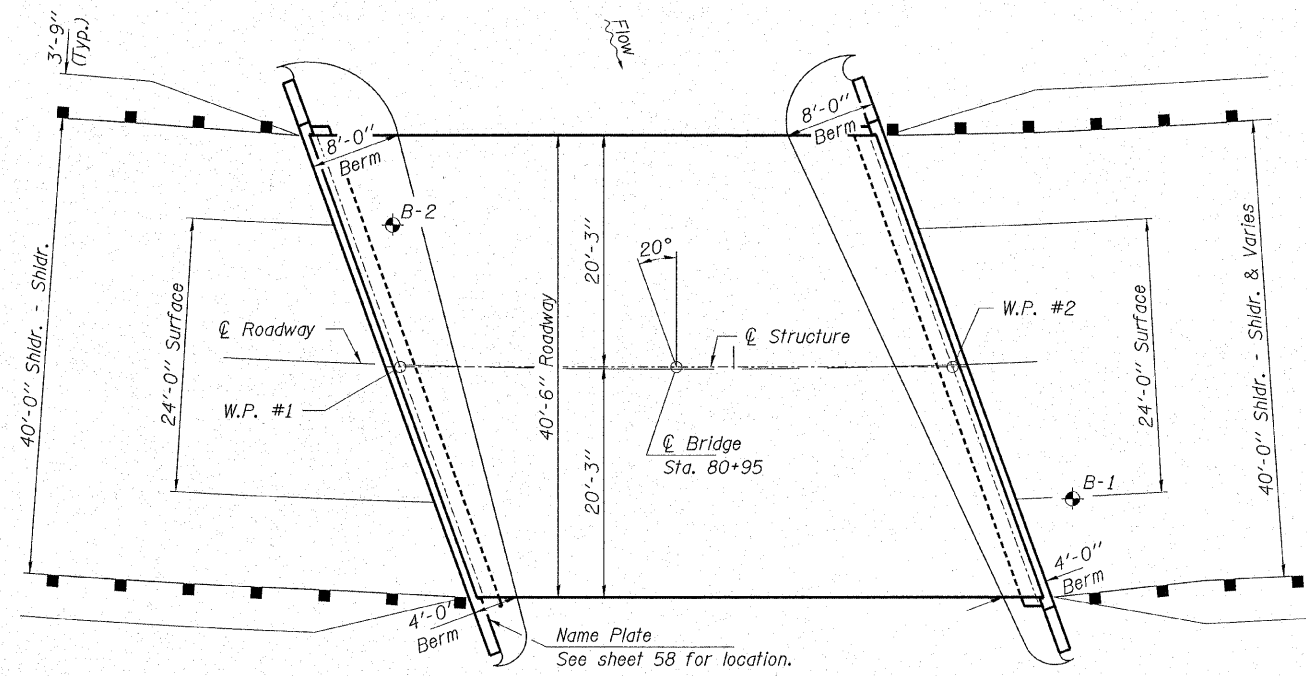
Layout of riprap may be varied in the field to suit ground conditions as directed by the Engineer. See sheet 53 for riprap layout.
The Contractor shall drive one steel test pile in a permanent location at the West Abutment, as directed by the Engineer before ordering the remainder of the piles.
The Contractor may substitute Surface Course Mixture for the Leveling Binder Mixture.
Excavation required to construct the abutments shall be included in the cost of Concrete Structures. No additional payment will be made for Structure Excavation.
See Sheets 60 & 61 for Borings.



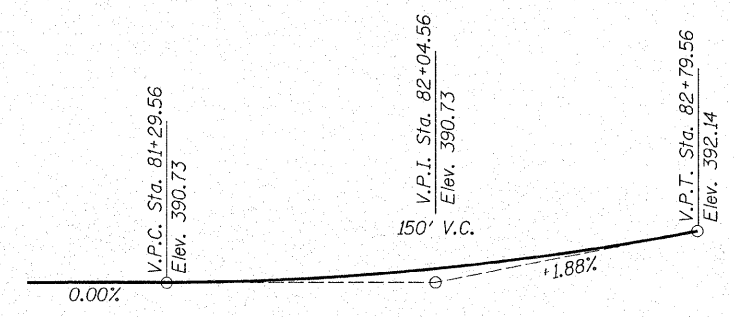
ELEVATION



OFFSET SKETCH



PLAN



PROFILE GRADE

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	1,950		1,950
Concrete Structures	Cu. Yd.		36.2	36.2
Reinforcement Bars	Pound		4,640	4,640
Steel RAILING, Type SM	Foot	104		104
Name Plates	Each		1	1
Concrete Encasement	Cu. Yd.		3.2	3.2
Steel Piles HP10x42	Foot		935	935
Test Pile Steel HP10x42	Each		1	1
P.C. Mortar Fairing Course	Foot	150		150
Waterproofing Membrane System	Sq. Yd.	231		231
Hot-Mix Asphalt Surf. Cse.	Ton	20		20
Leveling Binder, (Machine Method)	Ton	5		5
Porous Granular Embankment	Ton		270	270
Stone Riprap, Class A4	Ton		670	670
Stud Shear Connectors	Each		48	48

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinf.)

PRECAST PRESTRESSED UNITS

f'c = 5,000 psi
f'ci = 4,000 psi
f's = 270,000 psi (1/2" low lax. strands)
f'si = 201,960 psi (1/2" low lax. strands)
fy = 60,000 psi (Reinf.)

Loading HS 20-44
Design Specifications: 2002 AASHTO & all applicable interims.
25#/Sq. Ft. included in dead load for future wearing surface.

SEISMIC DATA

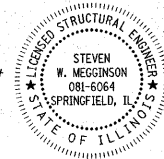
Seismic Performance Category (SPC) = B
Bedrock Acceleration Coefficient (A) = 0.14g
Site Coefficient (S) = 2.0

WATERWAY INFORMATION

Flood		Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Natural H.W.E.	Head - Ft.	Headwater El.
Design	Base	30	520	40	385.6	3.7	389.3
		100	680	40	386.2	3.3	389.5
Overtopping	Max. Calc.	500	830	40	387.0	2.6	389.6

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO Standard Specifications for Highway Bridges".

Steven W. Megginson 4/4/07
ILLINOIS STRUCTURAL NO. 6064



Expires 11-30-08

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
3025 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400
HLR
ELGIN • SPRINGFIELD
PROJECT NUMBER: 03-47-0001-1 DATE: 03/13/07
DESIGNED: S.M.S. CHECKED: S.W.M. DRAWN: D.B.

GENERAL PLAN AND ELEVATION
SECTION 99-02118-00-FP
F.A.U. 9713 / EAST PLEASANT HILL ROAD
JACKSON COUNTY
STRUCTURE NO. 039-3254 / STATION 80+95