B.M.- Chisled "□" on top of southeast wingwall of S.N. 102-0005. Elev. 694.36.

Existing Structure- S.N. 102-0005. Built as S.B.I. Route 2, Section 65-BR in 1963. Four span 153'-8" back to back approach bents, 35'-8" out to out supported on pile bents and solid wall pier. Spans 1 and 4 R.C. slab, spans 2 and 3 noncomposite R.C. deck on rolled steel beams. Road to be closed and traffic detoured during construction.

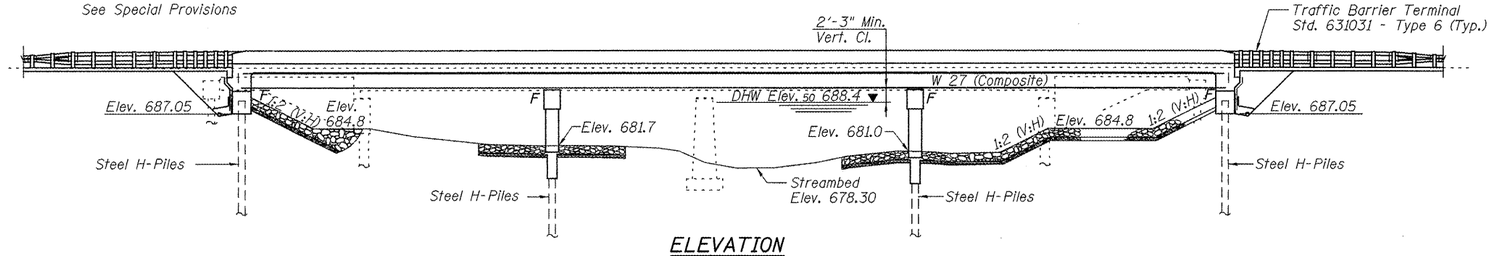
Salvage- See Special Provisions

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

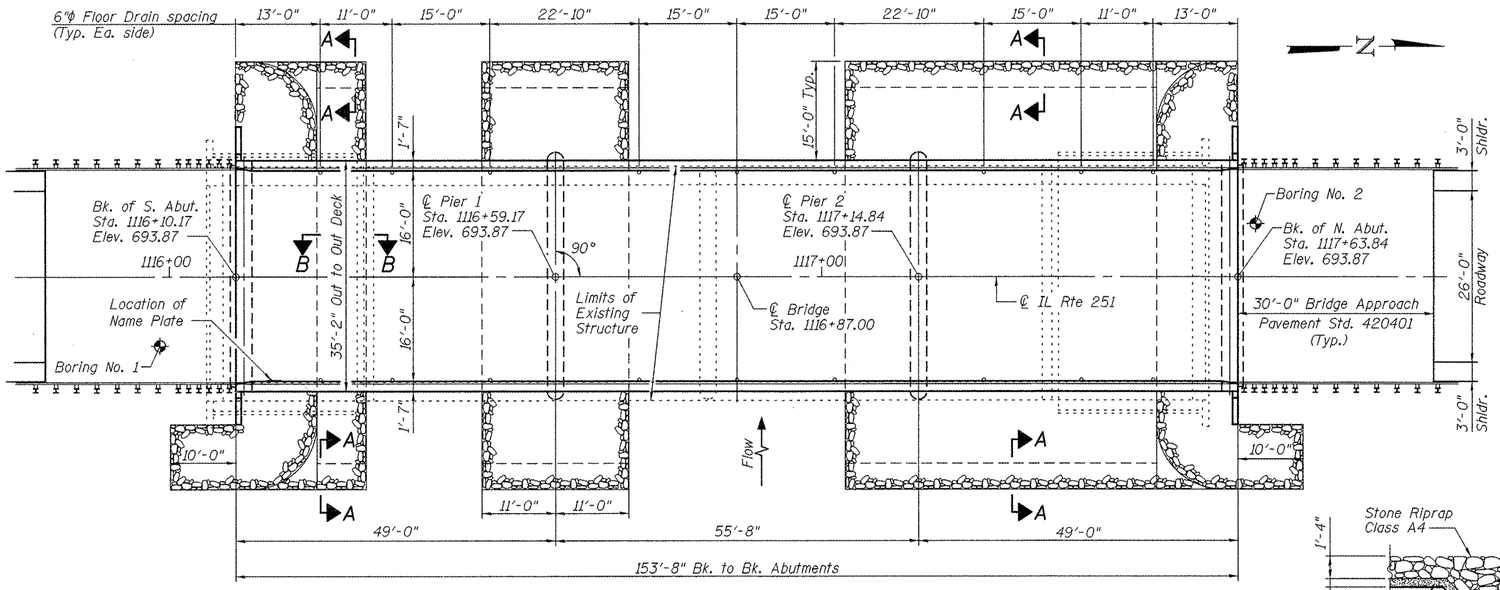
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1360	65-BR	WOODFORD	39	14
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 1
19 SHEETS

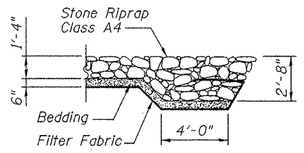
Contract # 68530



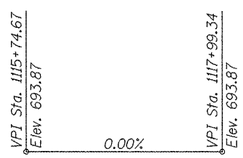
ELEVATION



PLAN



SECTION A-A



PROFILE GRADE

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		72	72
Stone Riprap, Class A4	Ton		677	677
Filter Fabric	Sq. Yd.		733	733
Removal of Existing Structures	Each			1
Slope Wall Removal	Sq. Yd.		216.9	216.9
Structure Excavation	Cu. Yd.		222.4	222.4
Floor Drains	Each	18		18
Concrete Structures	Cu. Yd.		83.4	83.4
Concrete Superstructure	Cu. Yd.	182.3		182.3
Bridge Deck Grooving	Sq. Yd.	512.2		512.2
Concrete Encasement	Cu. Yd.		15.4	15.4
Protective Coat	Sq. Yd.	675.1		675.1
Furnishing and Erecting Structural Steel	L. Sum			1
Stud Shear Connectors	Each	2610		2610
Reinforcement Bars, Epoxy Coated	Pound	42,610	9040	51,650
Bar Splicers	Each	66		66
Furnishing Steel Piles HP12x53	Foot		1326	1326
Driving Piles	Foot		1326	1326
Test Pile Steel HP12x53	Each		2	2
Name Plates	Each	1		1
Anchor Bolts, 1"	Each	48		48
Geocomposite Wall Drain	Sq. Yd.		52	52
Pipe Underdrains for Structures 4"	Foot		110	110
Underwater Structure Excavation Protection - Location 1	Each		1	1
Underwater Structure Excavation Protection - Location 2	Each		1	1

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft)	S. Abutment	Pier 1	Pier 2	N. Abutment
	687.1	674.1	673.4	687.1

WATERWAY INFORMATION

Drainage Area = 34.46 sq. mi.
Existing Low Grade Elev. 693.75 @ Sta. 1116+00
Proposed Low Grade Elev. 693.87 @ Sta. 1116+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	1777	718	797	687.5	0.2	0.2	687.7	687.7
Design	50	2700	824	921	688.4	0.3	0.3	688.7	688.7
Base	100	3087	860	962	688.7	0.4	0.3	689.1	689.0
Overtopping									
Max. Calc.	500	4007	946	1061	689.4	0.5	0.4	689.9	689.8

DESIGNED	CTW
CHECKED	CDL
DRAWN	DP
CHECKED	CTW

APPROVED
For Structural Adequacy Only
Ralph E Anderson
Engineer of Bridges & Structures

LICENSED STRUCTURAL ENGINEER
CHRIS LINNEMAN
081-006445
STATE OF ILLINOIS
4/15/2008
EXPIRES 11/30/2009

LOADING HS20-44

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

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications - 17th ed.

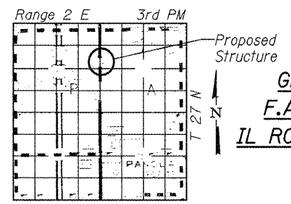
DESIGN STRESSES

FIELD UNITS

f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)
f_y = 50,000 psi (M270 Gr. 50W)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.043 g
Site Coefficient (S) = 1.2



LOCATION SKETCH

INDEX OF SHEETS

GENERAL PLAN & ELEVATION
F.A.S. ROUTE 1360 SEC. 65-BR
IL ROUTE 251 OVER PANTHER CREEK
WOODFORD COUNTY
STATION 1116+87.00
STRUCTURE NO. 102-0081

EFK•Moen, LLC
Civil Engineering Design