

Wash the deck surface, drains, top and inside parapet faces and these areas under expansion joints.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY

PAT. NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
07	D-8 BRIDGE CLEANING 2010-1	MADISON	306	416
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

R.M. - #2 Elev. 434.52 B.V. PG 51 Chiselled 'I' on S. side of steel light pole foundation plate, Pole #WA-6, Sta. 408+51 left (I-270).
T.B.M. - #1 Elev. 426.90 Chiselled 'I' top N. Gravel Pier 2 E.B. I-270.
#2 Elev. 444.48 Chiselled 'I' top N.E. corner of conc. curb E.B. Rt. 111

Existing Structure:
Sta. 401+45.00 F.A.I. 270, Sec. 60-34B-1 & 60-34F-1
Built in 1962, Structure No. 060-0046 E.B., 060-0047 W.B.
Superstructure Spans 1 and 4 Simple Span Non-Composite W.F. Beams and Spans 2 and 3 Continuous Non-Composite W.F. Beams.
Substructure 3-Column Trapezoidal Piers.

Elevations noted (N) have been adjusted from existing bridge drawings to match 1994 Survey Datum. These elevations are approximate only.

STATION 401+45.00
REBUILD 199, BY
STATE OF ILLINOIS
F.A.I. 270 SEC. 60-34B-1
PROJECT NO. A614-A6B1-E70-6(12)30
LOADING 1520 & A.L.T.
STR. NO. 060-0046

NAME PLATE
(Eastbound lanes)
See Std. 2113

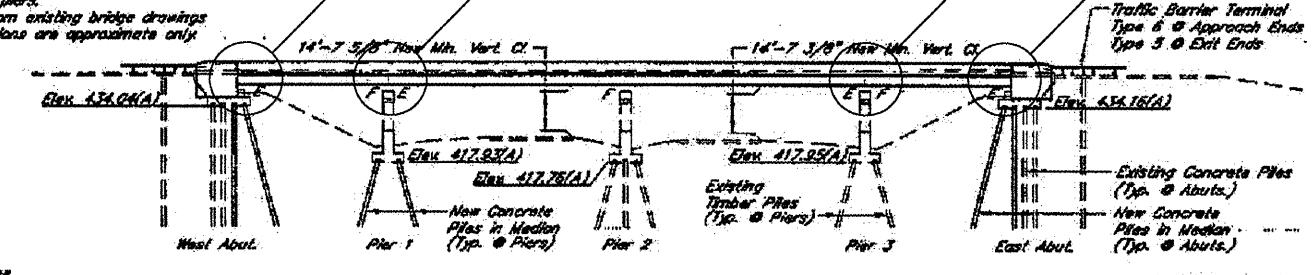
Note: Existing Eastbound name plate shall be cleaned and relocated next to the New Name Plate. Cost incidental to Name Plates.

Design Specifications
AASHTO 1992, 1993 and 1994 Interims and Seismic
Retort per FHWA Report No. FHWA/RD-83/007

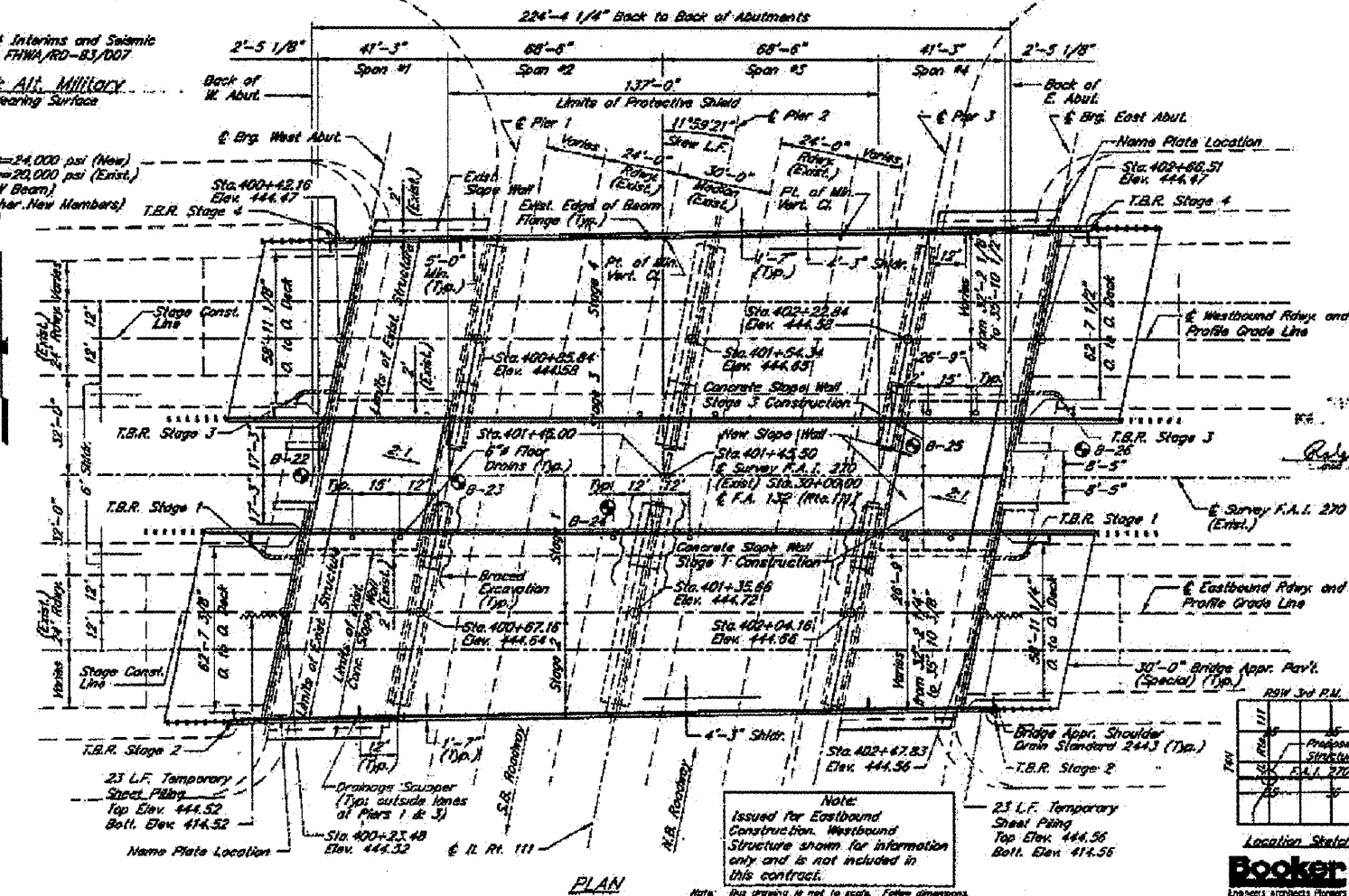
Loading HS 20-44 & All Military
Allow 25% safety for Future Wearing Surface

Design Stresses
f_c = 3500 psi f_c = 1400 psi
f_s = 60,000 psi (Reinforcing) f_s = 24,000 psi (New)
f_s = 27,000 psi (Struct - New W. Beams) f_s = 20,000 psi (Exist.)
f_s = 30,000 psi (Struct - All Other New Members) f_s = 18,000 psi (Struct - Exist.)

Seismic Data
SPC = B
A = 0.11g
S = 1.5



ELEVATION

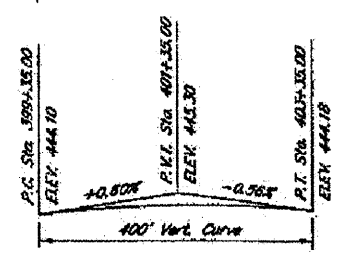


PLAN

BILL OF MATERIAL (Eastbound only)

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	-	69	69
Protective Shield	Sq. Yd.	789	-	789
Removal of Existing Concrete Deck	Each	1	-	1
Structure Excavation	Cu. Yd.	-	187	187
Braced Excavation	Cu. Yd.	-	203	203
Floor Drains	Each	6	-	6
Preformed Joint Seal 2 1/2"	Foot	247	-	247
Concrete Superstructure	Cu. Yd.	368.3	-	368.3
Concrete Structures	Cu. Yd.	-	320.5	320.5
Protective Coat	Sq. Yd.	182	-	182
Elastomeric Bearing Assembly Type 1	Each	40	-	40
Structural Steel	L.S.	1	-	1
Stud Shear Connectors	Each	4718	-	4718
Cleaning and Painting Steel Bridge	L.S.	1	-	1
Reinforcement Bars, Epoxy Coated	Pound	100,240	58,830	159,070
Furnishing Concrete Piles	Foot	-	1632	1632
Driving Concrete Piles	Foot	-	1632	1632
Test Pile Concrete	Each	-	3	3
Temporary Steel Piling	Sq. Ft.	-	1380	1380
Name Plates	Each	1	-	1
Drainage Scaupers	Each	2	-	2
Jack and Remove Existing Bearings	Each	63	-	63
Slope Nails (4")	Sq. Yd.	-	250	250
Slope Nail Removal	Sq. Yd.	-	20	20
Bridge Soil Saver	Sq. Ft.	-	773	773
Bridge Deck Grooving	Sq. Yd.	1413	-	1413
Formed Concrete Roadway (Depth=6")	Sq. Ft.	-	38	38
Power Tool Cleaning Residue Cont. & Disposal	L.S.	1	-	1
Box Slicers	Each	804	21	825

* Quantity includes top and inside of parapets only.



PROFILE GRADE
(Along E. Eastbound Roadway)



GENERAL PLAN & ELEVATION

F.A.I. RT 270-SEC. 60-34B-1
OVER IL RTE. 111
MADISON COUNTY
STA. 401+45.00
STRUCTURE NO. 060-0046 (E.B.) & 060-0047

Location 2
SN 060-0046(E.B.) & 0047(W.B.)
I-270 over IL 111
Sta. 401+45.00

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED A. Vinson	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION - FOR INFORMATION ONLY	F.A.I. RTE. 270	SECTION D-8 BRIDGE CLEANING 2010-1	COUNTY MADISON	TOTAL SHEETS 8	SHEET NO. 6	CONTRACT NO. 76D45
	PLOT SCALE = #SCALE#	CHECKED J. Uehle	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				
	PLOT DATE = #DATE#	DATE 6-11-2010	REVISED -								