

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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FOR INFORMATION ONLY

F.A.I. NO.	SECTION	COUNT	SHEET NO.	TOTAL SHEETS
270	D-8 BRIDGE	MADISON	306	448
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

R.M. - #2 Elev. 434.52 BK1, PG 51 Chiselled 1" on S. side of steel light pole foundation plate, Pole #MM-6, Sta. 403+51 left (1-270).
 T.B.M. - #1 Elev. 426.99 Chiselled 1" top N. crosswalk Pier 2 E.B. 1-270.
 #2 Elev. 444.43 Chiselled 1" top N.E. corner of conc. curb E.B. Rt. 111
 Existing Structure:
 Sta. 401+45.00 F.A.I. 270, Sec. 60-3H1-1 & 60-3H1-1
 Built in 1962, Structure No. 080-0045 E.B., 080-0047 W.B.
 Superstructure Spans 1 and 4 Simple Span Non-Composite
 WF Beams and Spans 2 and 3 Continuous Non-Composite WF Beams.
 Substructure 3-Column Trapezoidal piers.
 Elevations noted (A) have been adjusted from existing bridge drawings to match 1994 Survey Datum. These elevations are approximate only.

STATION 401+45.00
 REBUILT 1992 BY
 STATE OF ILLINOIS
 F.A.I. 270 SEC. 60-3H1Y-1
 PROJECT NO. ADM-ACBHT-270-5(91)10
 LOADING HS20 & ALT.
 STR. NO. 060-0046

NAME PLATE
 (Eastbound lanes)
 See Stal. 2113

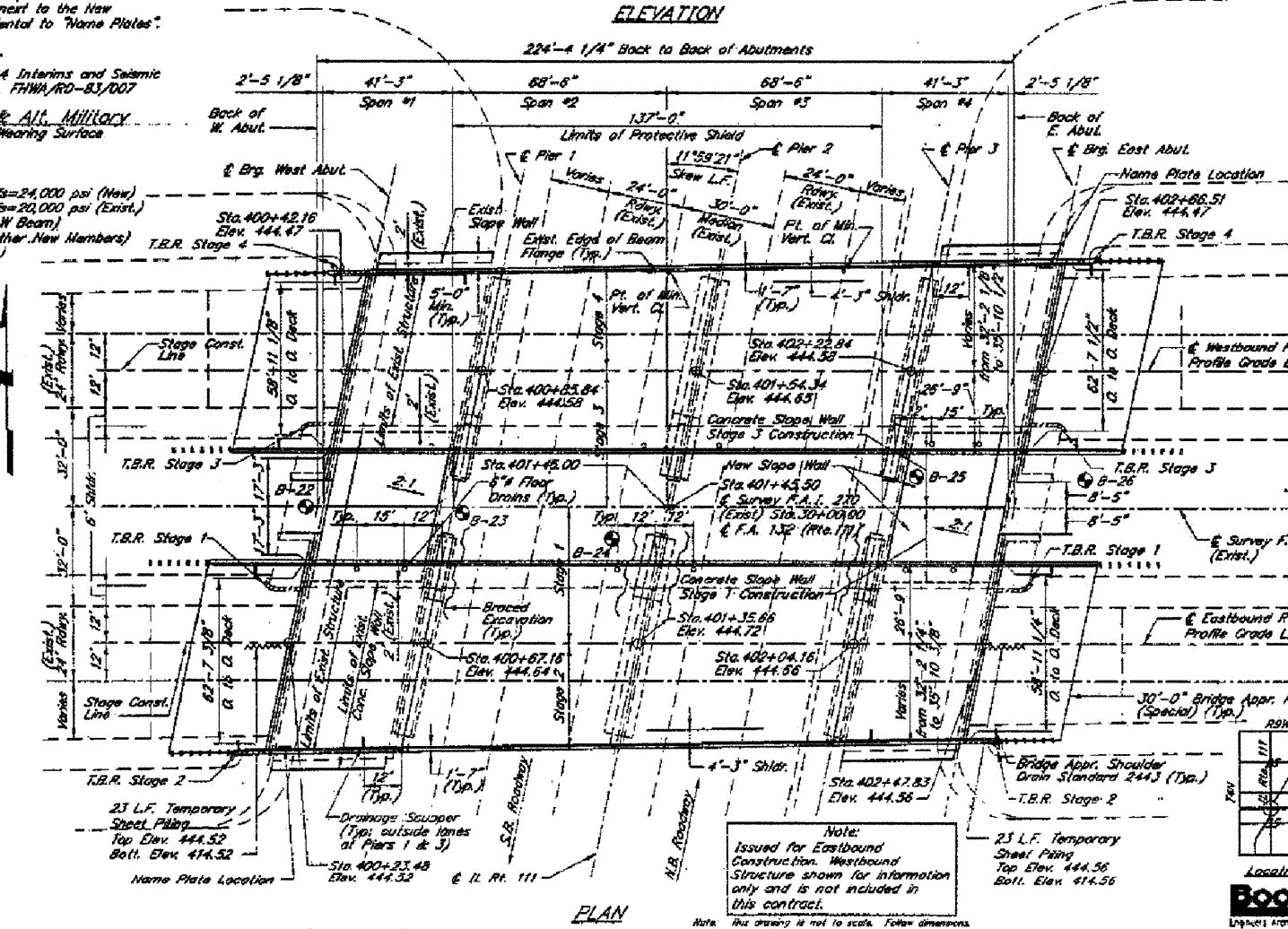
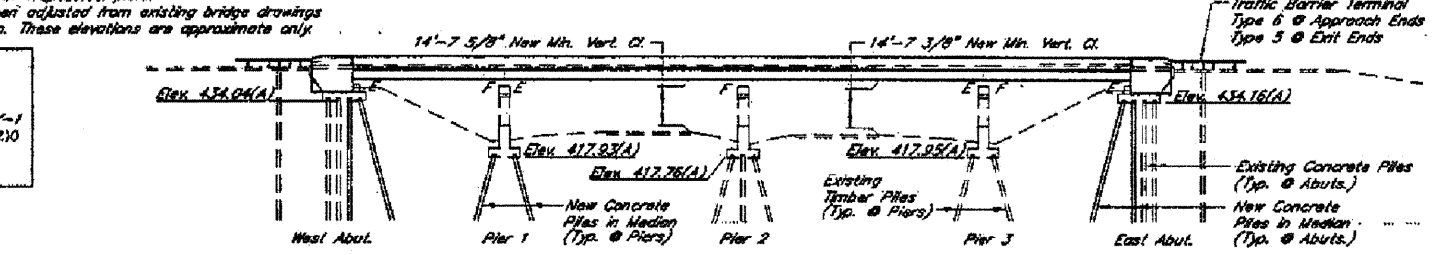
Note: Existing Eastbound name plate shall be cleaned and relocated next to the New Name Plate. Cost incidental to "Name Plates".

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

Loading HS 20-44 & Alt. Military
 Allow 25% sq.ft. For Future Wearing Surface

Design Stresses
 fc=3500 psi (New)
 fc=60,000 psi (Reinforcing)
 fs=24,000 psi (New)
 fs=20,000 psi (Exist.)
 fs=27,000 psi (Struct.-New W. Beam)
 fs=20,000 psi (Struct.-All Other New Members)
 fs=18,000 psi (Struct.-Exist.)

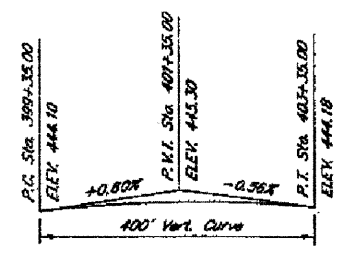
Seismic Data
 SPC = B
 A = 0.11g
 S = 1.5



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
Performed 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	4716	-	4716
Cleaning and Painting Steel Bridge	L.S.	1	-	1
Reinforcement Bars, Epoxy Coated	Pounds	100,240	55,230	155,470
Furnishing Concrete Piles	Foot	-	1632	1632
Driving Concrete Piles	Foot	-	1632	1632
Test Pile Concrete	Each	-	3	3
Temporary Sheet Piling	Sq. Ft.	-	1380	1380
Name Plates	Each	1	-	1
Drainage Scaupers	Each	2	-	2
Jack and Remove Existing Bearings	Each	63	-	63
Slope Walls (4')	Sq. Yd.	-	250	250
Slope Wall Removal	Sq. Yd.	-	20	20
Bridge Seal Sealer	Sq. Ft.	-	773	773
Bridge Deck Grooving	Sq. Yd.	1413	-	1413
Formed Concrete Repair (Depth=6")	Sq. Ft.	-	36	36
Power Tool Cleaning Residue Cont. & Disposal	L.S.	1	-	1
Bar Splicers	Each	804	21	825

* Quantity includes top and insides of parapets only.



GENERAL PLAN & ELEVATION
 F.A.I. RT 270-SEC. 60-3H1Y-1
 OVER ILL. RTE. 111
 MADISON COUNTY
 STA. 401+45.00
 STRUCTURE NO. 060-0046 (E.B.)

DESIGNED	AYV	March 5, 2018
CHECKED	JAU	EXAMINED
DRAWN	AYV	PASSED
CHECKED	JAU	ENGINEER OF BRIDGES AND STRUCTURES

SHEET NO. 6	F.A.I. RTE. 270	SECTION D-8 Bridge Cleaning 2010-1	COUNTY MADISON	TOTAL SHEETS 12	SHEET NO. 8
OF 10 SHEETS					
CONTRACT NO. 76D45					
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					