

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

ELM-#7 Elev. 424.14 (DOT BKT. PG. 42 Point Mark on Conc. Base of NW Corner Fence Post of Fence. W. of Operating Engineers Bldg., S. of I-270.
 T.B.M. - Elev. 453.53 Chiseled \square Top NE corner Concrete Guardrail E.B.L. I-270 Bridge over Engineer Road.
 Existing Structure:
 Ton. to $\&$ F.A.I. 270 Sta. 335+39.21 Sec. 60-SYE & 60-SVF Elev. 444.99 (A)
 Built in 1962. Structure No. 060-0044 EB, 60-0045 WB.
 Superstructure 3 Units - Unit 1 39'-6" Simple Span,
 Unit 2 20'-4" 7/8" Cantilever + 13'-1" 1 1/2" Span
 + 20'-4" 7/8" Cantilever Continuous over Piers - Unit 3
 65'-7" 1/16" Simple Span All Non-Composite.
 Substructure 4 Columns Trapezoidal Piers.
 Superstructure to be completely Removed, New Plate Girders Installed, and Structure widened, Traffic to be Maintained During Stage Construction.
 Elevations noted (A) have been adjusted from existing bridge drawings to match 1994 Survey Datum. These elevations are approximate only.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY

STATION 335+83.97
 RESULT 192 BY
 STATE OF ILLINOIS
 F.A.I. 270 SEC. 60-318Y
 PROJECT NO. ACIN-ACBL-870-6R20
 LOADING HS20 & ALT.
 STR. NO. 060-0044

NAME PLATE
 (Eastbound lanes)
 See Std. 2113
 Note: Existing name plate shall be cleaned and relocated next to the new Name Plate. Cost incidental to "Name Plates".

PROFILE GRADE
 (Along $\&$ Eastbound Roadway)

25 L.F. Temporary Sheet Piling
 Top Elev. 455.81
 Bottom Elev. 426.81

Design Specifications
 AASHTO 1982, 1993 and 1994 Interim Guide Specification for Horizontally Curved Highway Bridge, 1993 and Seismic Retrofit per FHWA Report No. FHWA/RO-83/007

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

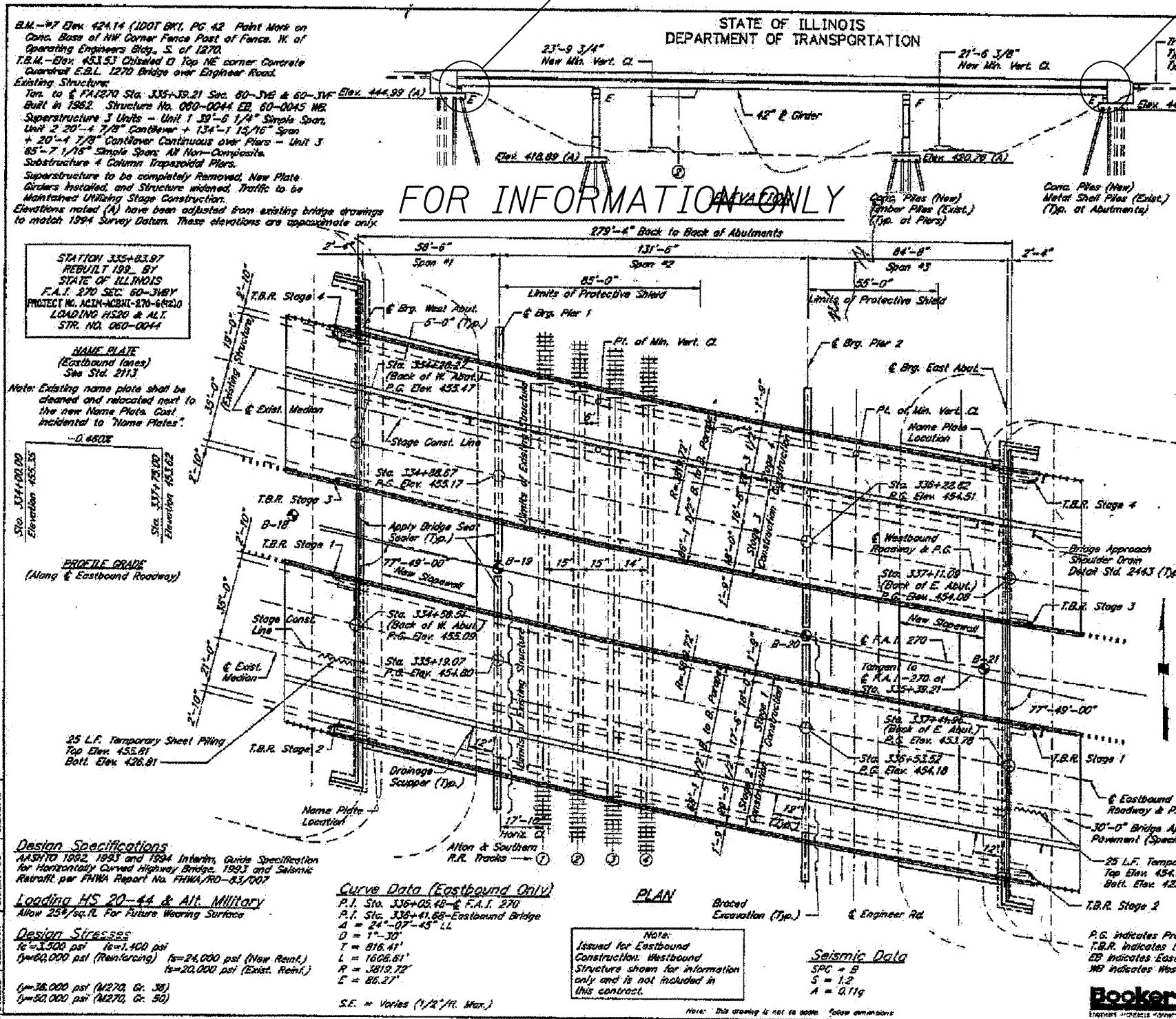
Design Stresses
 $f_c = 3,000$ psi $f_s = 1,400$ psi
 $f_r = 60,000$ psi (Reinforcing) $f_s = 24,000$ psi (New Reinf.)
 $f_s = 20,000$ psi (Exist. Reinf.)
 $f_t = 38,000$ psi (A270, G. 38)
 $f_t = 50,000$ psi (A270, G. 30)

Curve Data (Eastbound Only)
 P.I. Sta. 336+05.40 - $\&$ F.A.I. 270
 P.T. Sta. 338+41.68 - Eastbound Bridge
 $\Delta = 24^\circ - 07' - 45" L$
 $D = 1^\circ - 32'$
 $L = 616.41'$
 $T = 1606.81'$
 $R = 3619.72'$
 $E = 86.21'$
 S.E. = Varies (1/2" / ft. Max.)

Note:
 Issued for Eastbound Construction. Westbound Structure shown for information only and is not included in this contract.

Seismic Data
 SPC = B
 S = 1.2
 A = 0.11g

PLAN

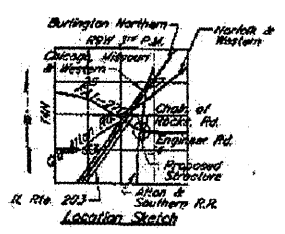


F.A.I. NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
270	D-8	MADISON	275	478

BILL OF MATERIAL (Eastbound only)

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd	-	84.8	84.8
Protective Shield	Sq. Yd	885	-	885
Removal of Existing Superstructure	Each	1	-	1
Structure Excavation	Cu. Yd	-	555	555
Brood Excavation	Cu. Yd	-	273	273
Neoprene Expansion Joint 2 1/2"	Foot	68	-	68
Preformed Joint Seal 4"	Foot	64	-	64
Concrete Superstructure	Cu. Yd	588.3	-	588.3
Concrete Structures	Cu. Yd	-	538.5	538.5
Protective Coat	Sq. Yd	462	-	462
Elastomeric Bearing Assembly Type I	Each	9	-	9
East. Brg. Assm. Type I (Spaced)	Each	9	-	9
Elastomeric Bearing Assembly Type III	Each	9	-	9
Structural Steel	L.S.	1	-	1
Stud Shear Connectors	Each	5,805	-	5,805
Reinforcement Bars, Epoxy Coated	Pound	162,590	84,650	247,240
Furnishing Concrete Piles	Foot	-	3,960	3,960
Driving Concrete Piles	Foot	-	3,960	3,960
Test Concrete Piles	Each	-	2	2
Temporary Sheet Piling	Sq. Ft.	-	1450	1450
Name Plates	Each	1	-	1
Drainage Scuppers	Each	3	-	3
Slope Wall (4")	Sq. Yd	-	853	853
Slope Wall Slurry Pumping	Cu. Yd	-	13	13
Slope Wall Removal	Sq. Yd	-	52	52
Bridge Seat Sealer	Sq. Ft.	-	910	910
Bridge Deck Grooving	Sq. Yd	1984	-	1984
Formed Concrete Repair (Depth < 3")	Sq. Ft.	-	222	222
Bitum. Conc. Surf. Removal (Asbestos)	Sq. Yd	-	614	614
Bar Splicers	Each	2,050	56	2,146

* Quantity Includes Top and Inside Surfaces of Parapets and Median Barrier Only.



GENERAL PLAN & ELEVATION
 F.A.I. RT 270-SEC. 60-318Y
 OVER ENGINEER RD. & R.R.
 MADISON COUNTY
 STA. 335+83.97
 STRUCTURE NO. 060-0044 (EB) & 060-0045 (WB)

Location 1
 SN 060-0044(EB) & 0045(WB)
 I-270 over Engineer's Road & RR's
 Sta. 335+83.97

FILE NAME	USER NAME	DESIGNED	REVISIONS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION - FOR INFORMATION ONLY	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL*	#USER*	A. Vinson	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION - FOR INFORMATION ONLY	270	D-8	MADISON	8	5
PLOT SCALE = #SCALE*	CHECKED	J. Uehle	REVISIONS							
PLOT DATE = #DATE*	DATE	6-11-2010	REVISIONS							
										CONTRACT NO. 76D45