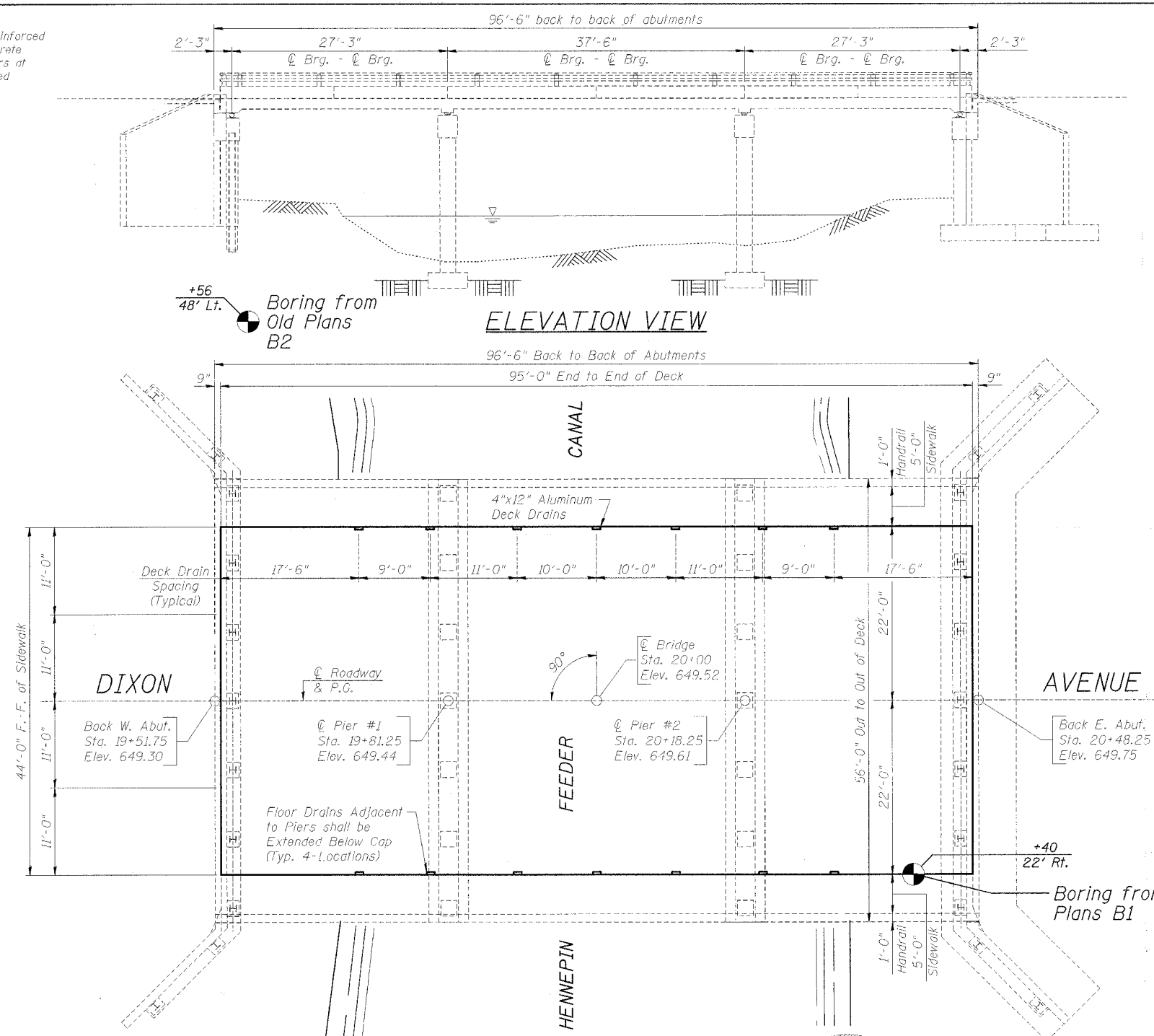


EXISTING STRUCTURE: S.N. 098-3000
 A Three Span (27'-3" x 37'-6" x 27'-3") Reinforced
 Concrete Slab Structure on Closed Concrete
 Abutments and Reinforced Concrete Piers at
 Sta. 20+00. No Skew. To be rehabilitated

PROJECT	SECTION	COUNTY	TOWNSHIP	SHEET
5560	01-00125-00-BR	WHITESIDE	17	8
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT - BHM-4062(25)	

Structural Sheet 1 of 6



BILL OF MATERIAL - BRIDGE

ITEM	UNIT	SUB	SUPER	TOTAL
Concrete Removal	Cu Yd		34.7	34.7
Floor Drains	Each		14	14
Concrete Superstructure	Cu Yd		22.1	22.1
Bridge Deck Grooving	Sq Yd		444	444
Protective Coat	Sq Yd		465	465
Furnishing & Erecting Structural Steel	L Sum		1	1
Jack And Remove Existing Bearings	Each		24	24
Reinforcement Bars, Epoxy Coated	Pound		7,820	7,820
Name Plates	Each		1	1
Elastomeric Bearing Assembly, Type 1	Each		24	24
Epoxy Crack Injection	Foot	143		143
Structural Repair Of Concrete (Depth Greater Than 5")	Sq Ft		166	166
Structural Repair Of Concrete (Depth Equal To Or Less Than 5")	Sq Ft		2.0	2.0
Bridge Deck Microsilica Concrete Overlay	Sq Yd		464	464
Bridge Deck Hydro-Scarification	Sq Yd		422	422
Temporary Support System	L Sum		1	1

GENERAL NOTES:

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions
 Reinforcement bars designated (E) shall be epoxy coated.
 Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
 The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of bearing assemblies and embedded connection plates except where otherwise noted. The color of the final finish coat for all steel surfaces shall be gray, Munsell No. 5B 7/1. See Special Provision for "Cleaning and Painting New Metal Structures" & "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
 The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.
 *Includes Deck Surface Only.
 All Sawcuts shall be Incidental to Contract.
 Estimated Weight of Structural Steel = 1,570 Pounds



PROFILE GRADE

HENNEPIN CANAL
 REHABILITATION 2007 BY
 CITY OF ROCK FALLS
 SECTION 01-00125-00-BR
 F.A.U. RTE. 5560 STA. 20+00
 STR. NO. 098-3000 LOADING HS20

NAME PLATE LETTERING

Refer To Std. 515001-02
 (Nameplate Shall Be Anchored To Concrete Adjacent To Existing Nameplate)

DESIGN SPECIFICATIONS

Designed in Accordance with 2002 A.A.S.H.T.O.
 Standard Specifications - 17th Edition

LOADING HS20-44

No Future Wearing Surface Allowed.

DESIGN STRESSES

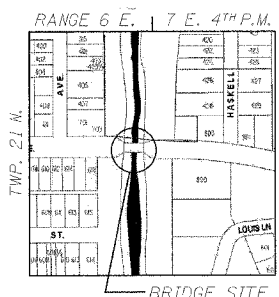
FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)



Brian K. Converse
 DATE: APRIL 7th, 2008
 EXPIRES 11/30/08

"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 Complies With Requirements Of The Current 'AASHTO Standard Specifications For Highway Bridges'."



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
DIXON AVENUE OVER HENNEPIN CANAL
 SECTION 01-00125-00-BR
 S.N. 098-3000
 CITY OF ROCK FALLS



809 East Second Street Dixon, Illinois 61021
 Phone: 815-294-5391 Fax: 815-294-0338
 Design Firm #184-000918
 www.willett-hofmann.com

Designed by:
 B.K. Converse
 DATE: 03/2008
 Checked by:
 M.A. Small
 DATE: 03/2008
 Drawn by:
 F.D. Lachat
 DATE: 03/2008

WHA #1093D07