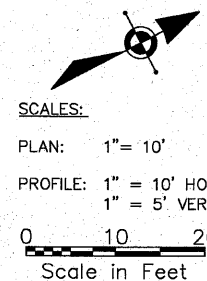


BENCH MARK: North Bonnet Bolt on Fire Hydrant South of Museum Entrance on the East side of N. Main Street Elev.=736.60
 EXISTING STRUCTURE: NONE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TOTAL BILL OF MATERIALS

ITEM	UNIT	SUPER	SUB	TOTAL
Prefabricated Pedestrian Truss Bridge	Sq. Ft.	1,097		1,097
Structure Excavation	Cu. Yd.		37.0	37.0
Rock Excavation For Structures	Cu. Yd.		19.6	19.6
Concrete Structures	Cu. Yd.		41.9	41.9
Reinforcement Bars (Epoxy Coated)	Pound		2,870	2,870
Furnishing Soldier Pile W Section, W14x99	Foot		113	113
Setting Piles in Rock	Each		8	8
PCC Pavement, 7 1/2"	Sq. Yd.	121.8		121.8
Geocomposite Wall Drain	Sq. Yd.		47.0	47.0
Form Liner Textured Surface	Sq. Ft.		243	243
Rubbed Finish	Sq. Ft.		168	168



Refer to Sheet 8 for GENERAL NOTES

HIGHWAY CLASSIFICATION

Rockford Pedestrian Riverwalk

Functional Class: Pedestrian

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi

fy = 60,000 psi (Reinforcement)

fy = 50,000 psi (M270 Grade 50) - Soldier Pile

PREFABRICATED BRIDGE UNITS

fy = 50,000 psi (M270 Grade 50)

See Special Provisions for "Pedestrian Truss Superstructure"

LOADING

Pedestrian/Bicycle Design Loading: 85 psf

Vehicular: H-10

DESIGN SPECIFICATIONS

Americans with Disabilities Act (ADA)

2002 AASHTO "Standard Specifications for Highway Bridges"

17th Edition, AASHTO "Guide Specifications for Design of Pedestrian Bridges"

SEISMIC DATA

Seismic Performance Category (SPC) = A

Horizontal Bedrock Acceleration Coefficient (A) = 0.0325g

Site Coefficient (S) = 1.0

INDEX OF BRIDGE SHEETS

1. General Plan & Elevation
2. Substructure Layout
3. Superstructure Details
4. South Abutment Details
5. South Abutment Details
6. North Abutment Details
7. North Abutment Details
8. Abutment Details & General Notes

DESIGN SCOUR ELEVATIONS	
South Abutment	North Abutment
700.0	700.0

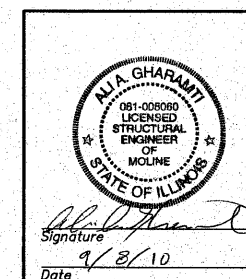
Drainage Area = 6400 Sq.Mi. Low Grade Elev. 709.00 @ Sta 213+04.17

Flood	Frea. Yr.	Q C.F.S.	Opening Sq.Ft.		Nat H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	100	41,500	N/A	367	707.0	N/A	N/A	N/A	N/A
Base	100	41,500	N/A	367	707.0	N/A	N/A	N/A	N/A
Max. Calc.	500		N/A	367	709.6	N/A	N/A	N/A	N/A

STATION 211+38.84
 BUILT 2011 BY
 CITY OF ROCKFORD
 SECTION No. 06-00543-00-BT
 LOADING H-10
 STR No. 101-6351

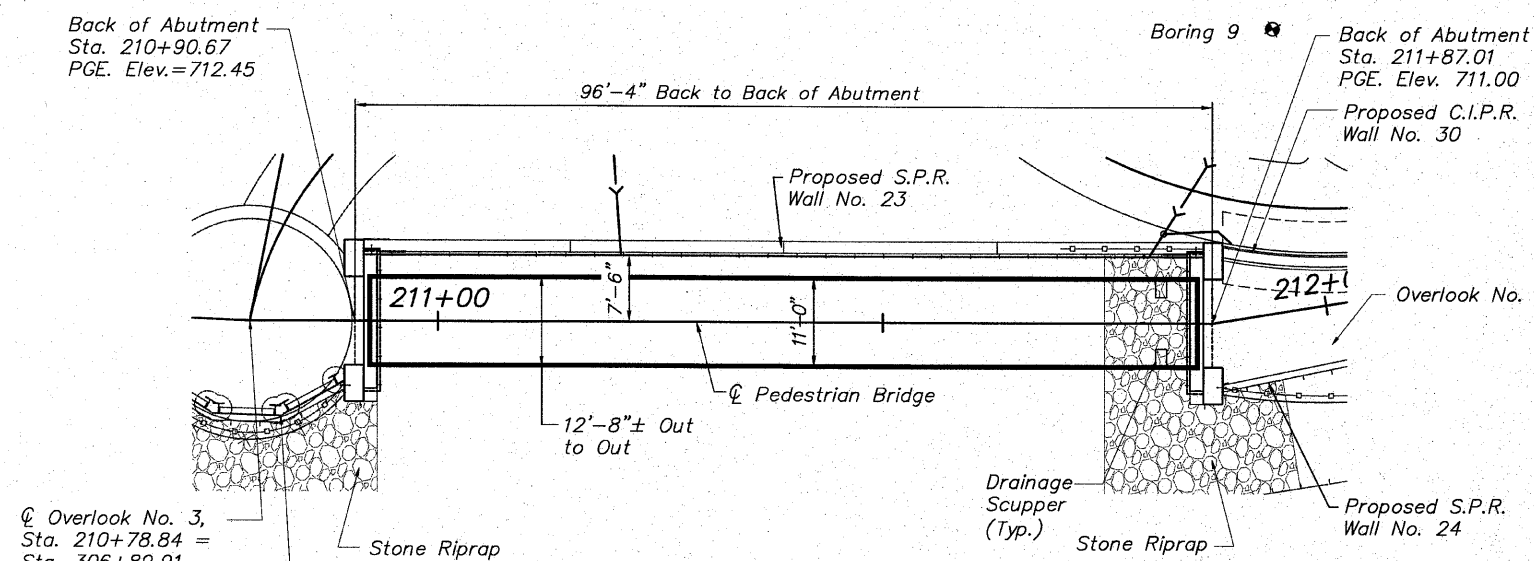
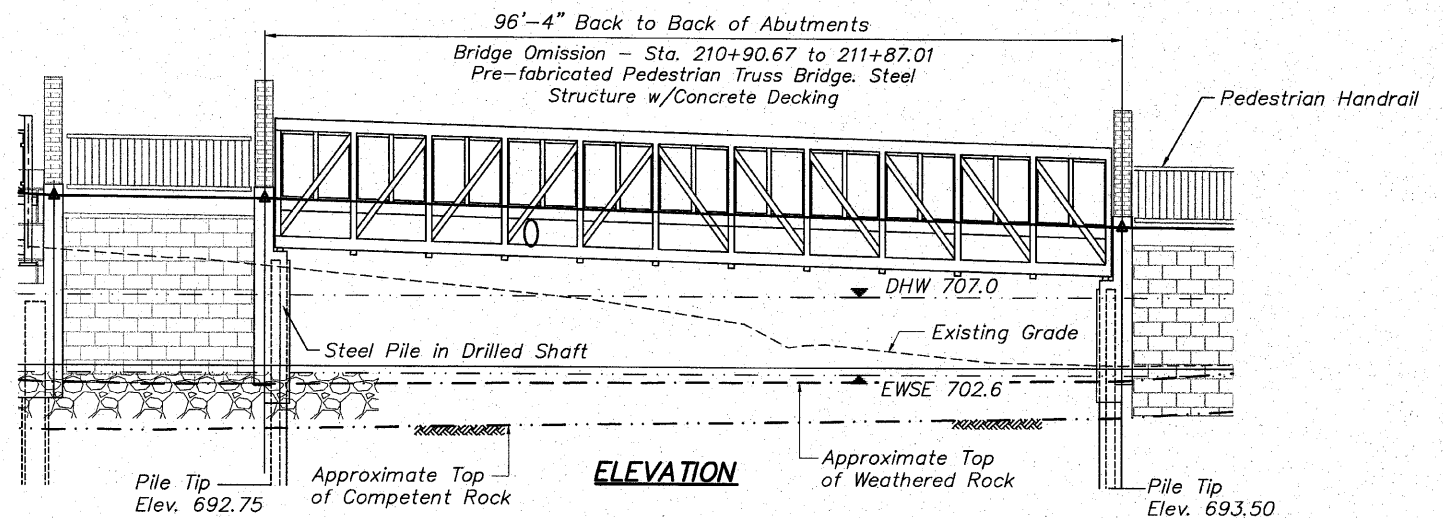
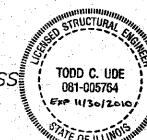
NAME PLATE

GENERAL PLAN & ELEVATION
 PEDESTRIAN TRUSS BRIDGE
 PEDESTRIAN RIVERWALK
 ALONG THE ROCK RIVER
 WINNEBAGO COUNTY
 SECTION NO. 06-00543-00-BT
 STATION 210+90.67 TO
 STATION 211+87.01
 STRUCTURE NO. 101-6351

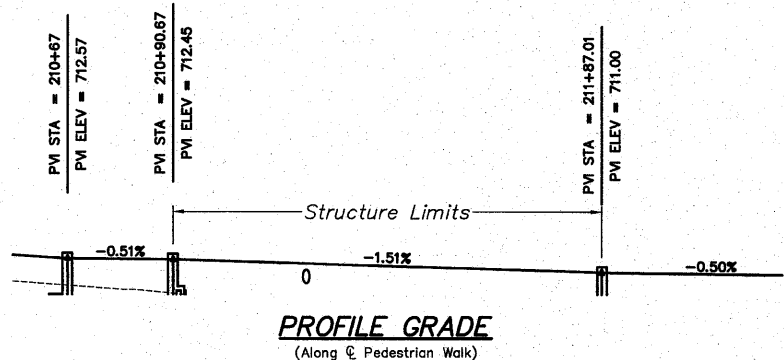


REVIEWED AND APPROVED
 FOR STRUCTURAL ADEQUACY ONLY
 EXCLUDING PREFABRICATED PEDESTRIAN TRUSS

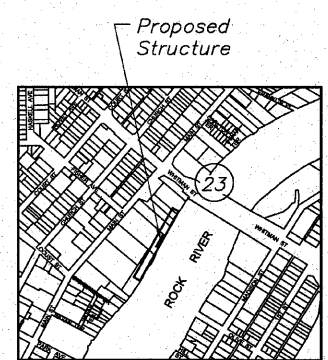
Signature: Todd C. Ude
 Date: 9/9/2010



ROCK RIVER
 PLAN



PROFILE GRADE
 (Along & Pedestrian Walk)



Section 23, Township 44 North, Range 1
 East of the 3rd Principal Meridian
 LOCATION SKETCH

DESIGNED	C7B	2010
CHECKED	AAG	EXAMINED
DRAWN	JAW	PASSED
PEER REVIEWED		ENGINEER OF BRIDGES AND STRUCTURES

McClure
 Engineering Associates, Inc.
 7282 Argus Drive
 Rockford, Illinois 61107-5837
 (815) 398-2332 Fax (815) 398-2496
 Design Firm License: Illinois#184-000816
 Copyright 2010 By McClure Engineering Associates, Inc.

SHEET NO. 1	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8 SHEETS		06-00543-00-BT	WINNEBAGO	148	67
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO.	85521