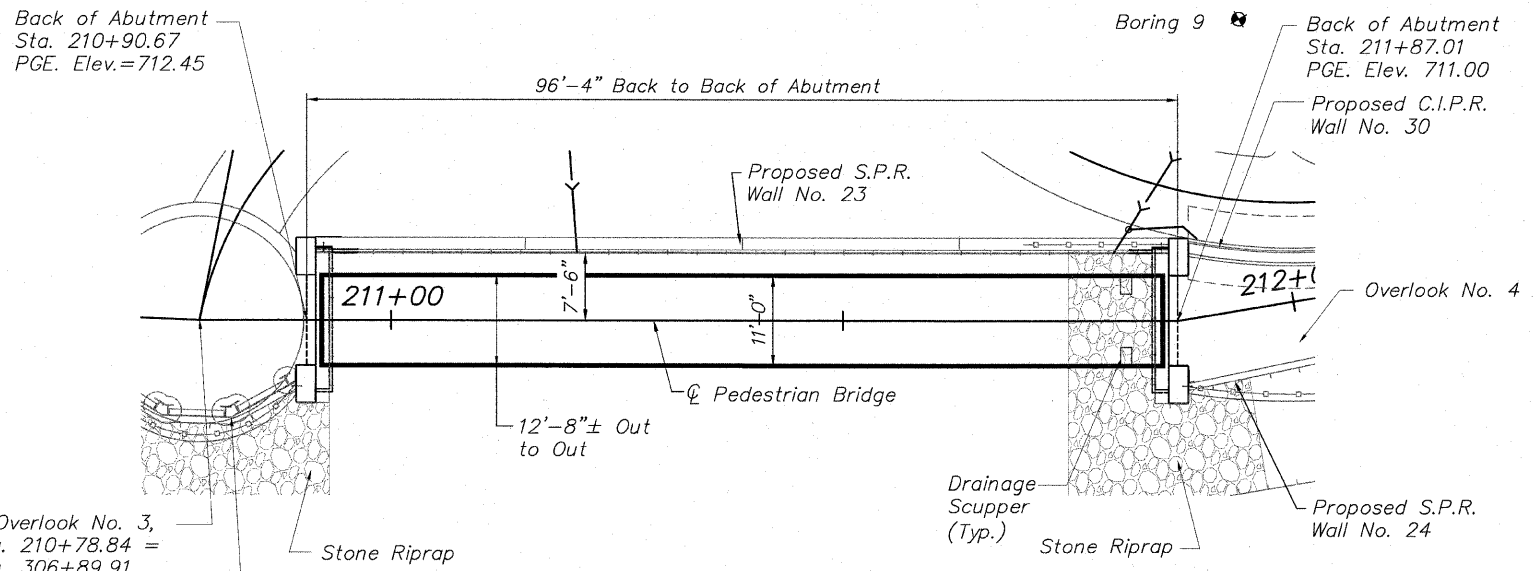
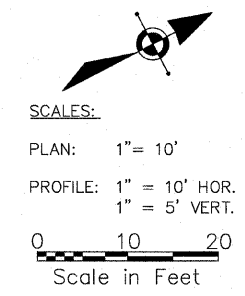
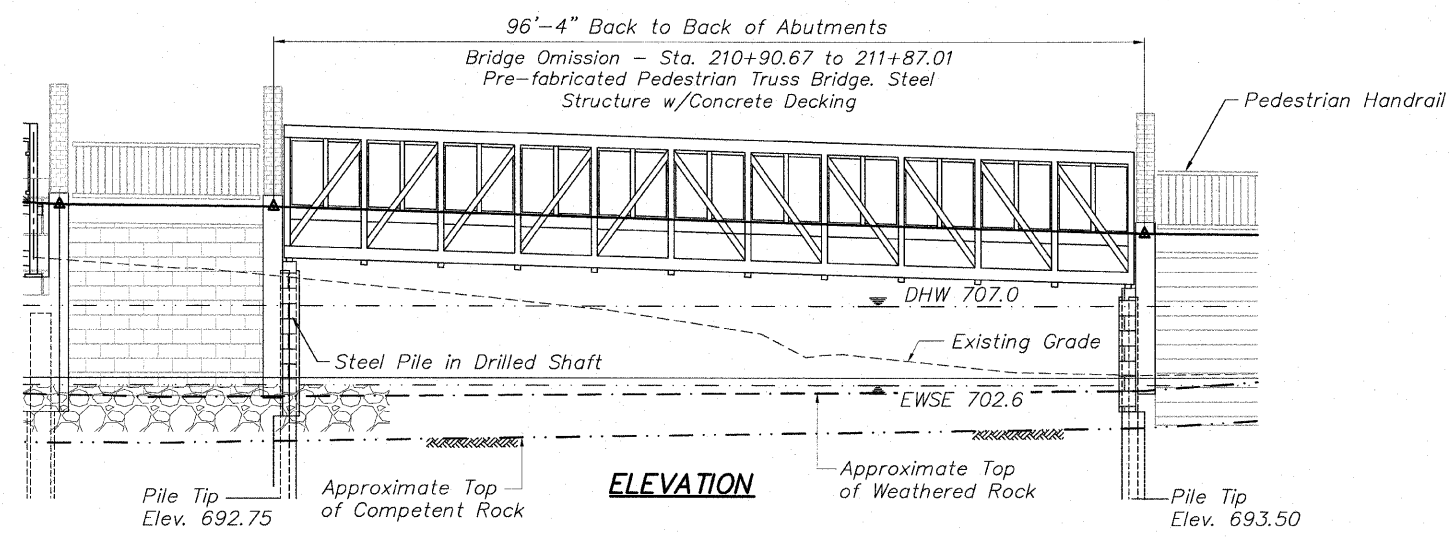


BENCH MARK: North Bonnet Bolt on Fire Hydrant South of Museum Entrance on the East side of N. Main Street Elev.=736.60  
EXISTING STRUCTURE: NONE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TOTAL BILL OF MATERIALS

ITEM	UNIT	SUPER	SUB	TOTAL
Structure Excavation	Cu. Yd.		175	175
Concrete Structures	Cu. Yd.		41.9	41.9
Reinforcement Bars (Epoxy Coated)	Pound		2,870	2,870
Furnishing Soldier Pile W Section	Foot		113	113
Setting Piles in Rock	Each		8	8
Name Plate, Special	Each		1	1
Pedestrian Truss Superstructure	Sq. Ft.	1097		1097
PCC Pavement, 7 1/2"	Sq. Yd.	121.8		121.8
Geocomposite Wall Drain	Sq. Yd.		47.0	47.0
Rock Excavation For Structures	Cu. Yd.		19.6	19.6
Protective Coat	Sq. Yd.		32	32
Concrete Sealer	Sq. Ft.		144	144
Form Liner Textured Surface	Sq. Ft.		243	243
Rubbed Finish	Sq. Ft.		128	128
Staining Concrete Structures	Sq. Yd.		0	0
Bridge Drainage System	Each		1	1



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

Refer to Sheet 8 for GENERAL NOTES

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

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"

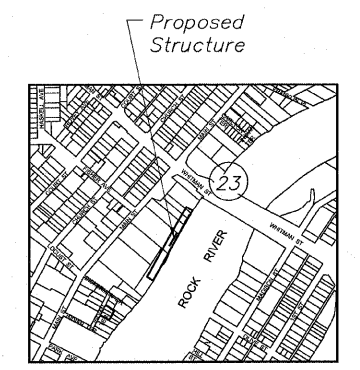
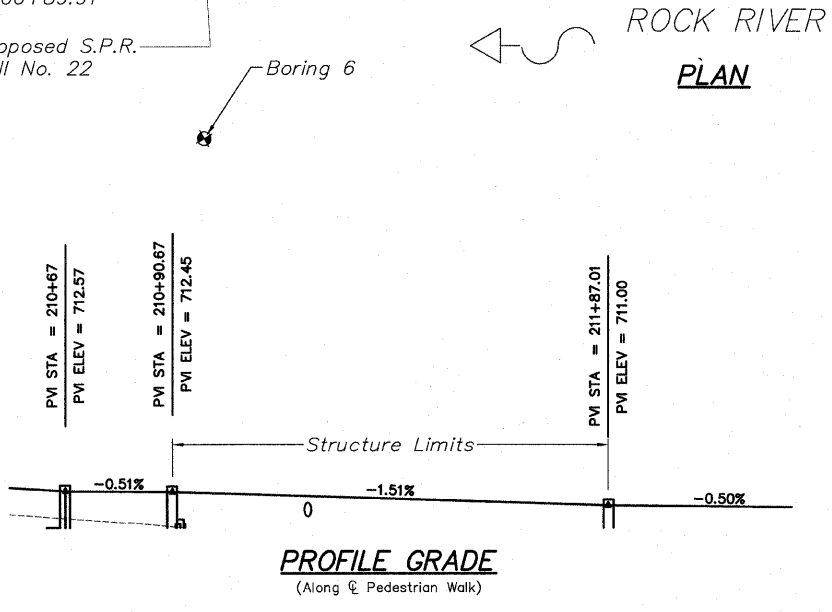
SEISMIC DATA

Seismic Performance Category (SPC) = A  
Horizontal Bedrock Acceleration Coefficient (A) = 0.0325g  
Site Coefficient (S) = 1.0

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



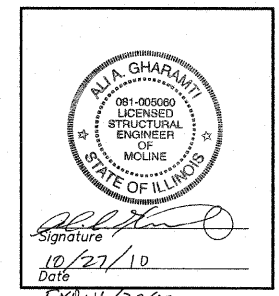
DESIGNED	CTB	2010
CHECKED	AAG	EXAMINED
DRAWN	JAW	PASSED
PEER REVIEWED		ENGINEER OF BRIDGES AND STRUCTURES

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



REVIEWED AND APPROVED  
FOR STRUCTURAL ADEQUACY ONLY  
EXCLUDING PREFABRICATED PEDESTRIAN TRUSS

*Todd C. Ude* 11/20/10  
Todd C. Ude



**McClure**  
Engineering Associates, Inc.  
Rockford, Illinois 61107-5837  
(815) 398-2332 Fax (815) 398-2496  
Design Firm License: Illinois#184-000816  
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SHEET NO. 1  
8 SHEETS

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

14-08-08 RIVERWALK DESIGN\DRAWINGS\STRUCTURAL\OPRE\08-008 Bridges-6351.dwg, GP&E STR6351, 10/27/2010 1:51:35 PM, H. JWH