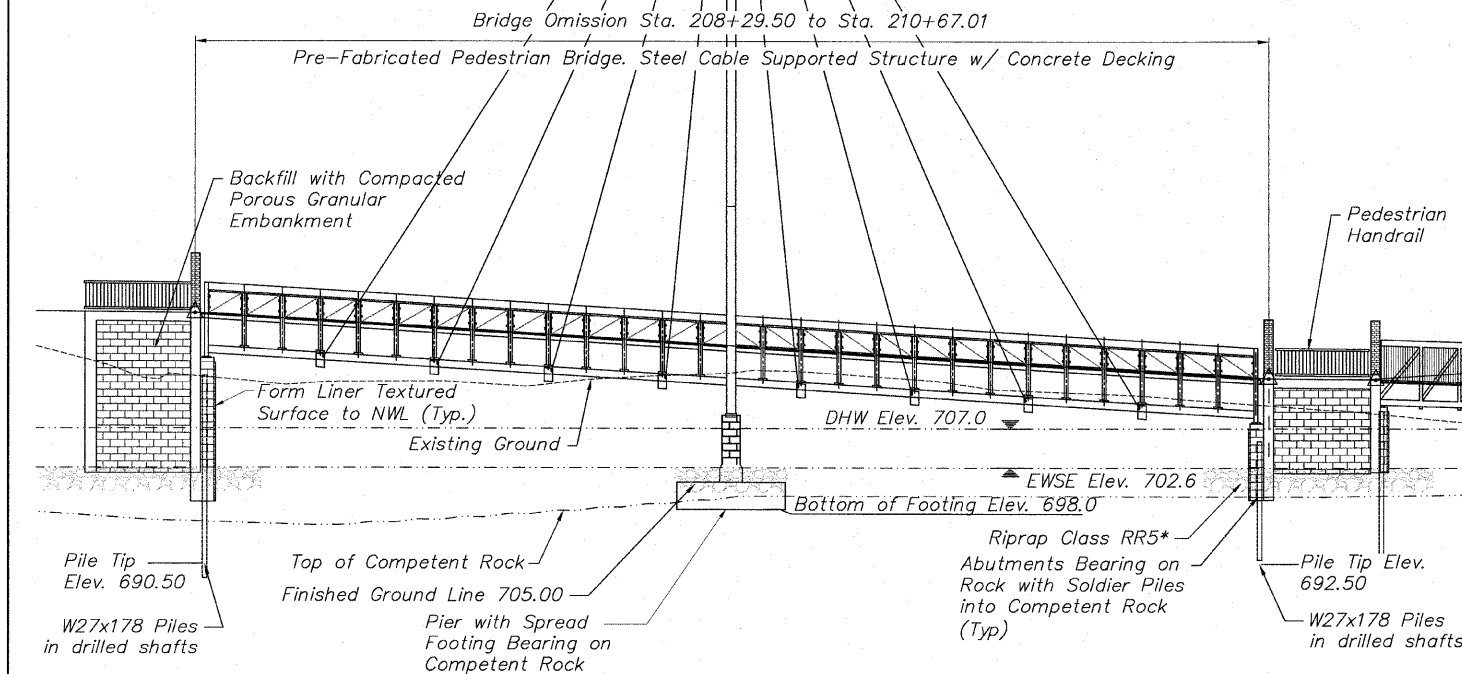


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TOTAL BILL OF MATERIALS

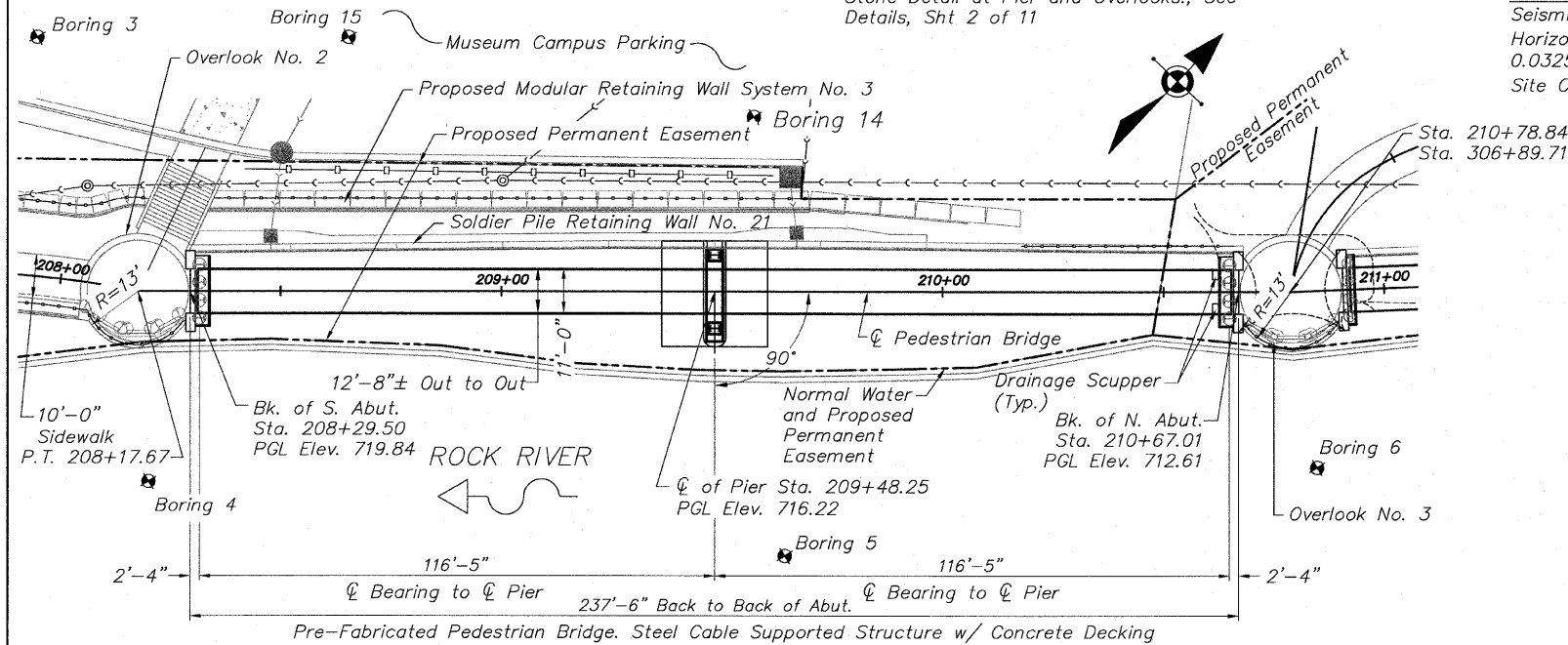
BENCH MARK: North Bonnet Bolt on Fire Hydrant South of Museum Entrance on the East side of N. Main Street Elev.=736.60

EXISTING STRUCTURE: None

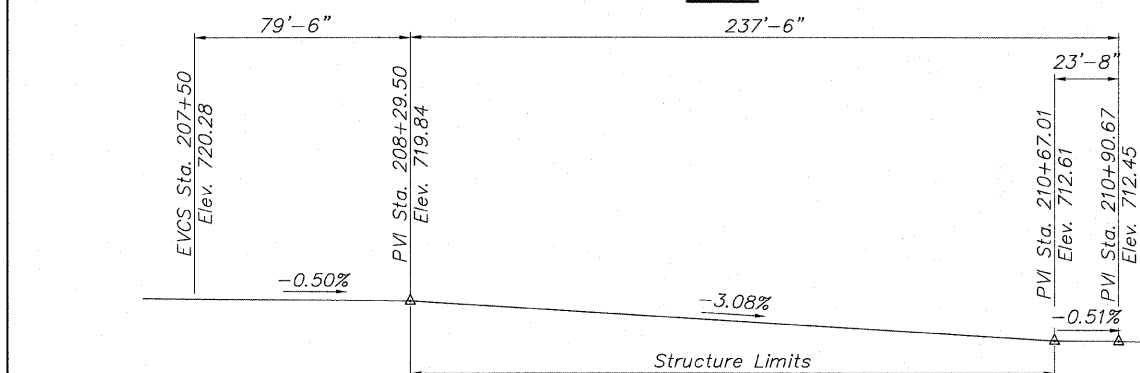


ELEVATION

\* Use Flank Stone Detail Under Bridge in Front of Retaining Wall. Use Toe Stone Detail at Pier and Overlooks., See Details, Sht 2 of 11

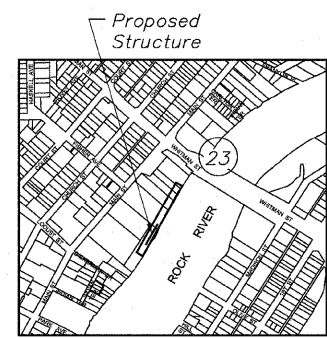


PLAN



Profile Grade  
(Along Centerline of Walkway)

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

HIGHWAY CLASSIFICATION

Rockford Pedestrian Riverwalk  
Functional Class: Pedestrian

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)  
 $f_y = 50,000$  psi (M270 Grade 50) - Soldier Pile

PREFABRICATED BRIDGE UNITS

$f_y = 50,000$  psi (M270 Grade 50)  
See Special Provisions for "Pedestrian Truss Superstructure, Prefabricated Cable-Stayed"

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. Superstructure Details
5. South Abutment Details
6. South Abutment Details
7. North Abutment Details
8. North Abutment Details
9. Pier Details
10. Pier Details
11. Typical Abutment Details and General Notes

REFER TO SHEET 11 FOR GENERAL NOTES

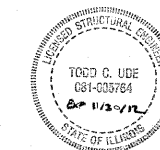
WATERWAY INFORMATION

Drainage Area = 6400 Sq.Mi.		Low Grade Elev. 712.57 @ Sta 210+67.0							
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	905	707.0	N/A	N/A	N/A	N/A
Base	100	41,500	N/A	905	707.0	N/A	N/A	N/A	N/A
Max. Calc.	500		N/A	1,493	709.6	N/A	N/A	N/A	N/A

DESIGN SCOUR ELEVATIONS		
South Abutment	Pier	North Abutment
700.0	700.0	700.0

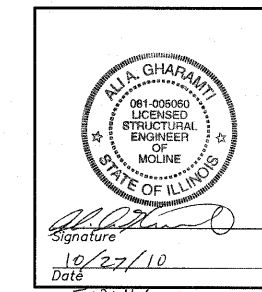
STATION 209+48.25  
BUILT 2011 BY  
CITY OF ROCKFORD  
SECTION No. 06-00543-00-BT  
LOADING H-10  
STR No. 6350

NAME PLATE



REVIEWED AND APPROVED  
FOR STRUCTURAL ADEQUACY ONLY  
EXCLUDING PRE-FABRICATED SUPERSTRUCTURE

Todd C. Ude  
Date 10/27/10



GENERAL PLAN & ELEVATION  
CABLE-STAYED PEDESTRIAN BRIDGE  
PEDESTRIAN RIVERWALK  
ALONG THE ROCK RIVER  
WINNEBAGO COUNTY  
SECTION NO. 06-00543-00-BT  
STATION 209+48.25  
STRUCTURE NO. 6350

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00543-00-BT	WINNEBAGO	148	56
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 85521	