

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00038-00-BT	MASSAC	55	38	
Index of Sheets, Highway Standards, General Notes and Summary of Quantities				
FEDERAL PROJECT NO. ARA-5045(009)			CONTRACT NO. 99417	

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
38	Index of Sheets, Highway Standards, General Notes, and Summary of Quantities
39	General Plan & Elevation
40	Abutments
41	Details

HIGHWAY STANDARDS

515001-03 NAME PLATE FOR BRIDGES

LETTERING FOR NAME PLATE:

STATION 1204+52.00
SEVENMILE CREEK
SEC. 09-00038-00-BT - BUILT 2010
MASSAC COUNTY
LOADING H10
STR. NO. 064-9919

LOCATE NAME PLATE ACCORDING TO STD. 515001-03.

GENERAL NOTES

The pedestrian truss super structure shall meet the requirements of Guide Bridge Special Provision GBSP 33.

The proposed bridge is within the 100-year flood plain. The pedestrian truss superstructure fabricator must maintain the low beam elevations and profile grade as shown on the drawings. The design of the truss shall include lateral forces caused by ice and debris. Ice and debris loadings shall be based on the requirements found in Section 3.18 of the 2002 Edition of the AASHTO Standard Specifications and the following information.

VAVG = see waterway information table for 100-year flood velocity
Cn = 0.5
p = 100 psi
t = 1 inch

Reinforcing bars shall conform to the requirements of ATM A706 Gr. 60 (IL Modified). See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

Filter Fabric and Bedding Material required for slope protection shall be considered incidental to stone dumped rip-rap, class A4. Filter Fabric and Bedding Material will not be measured for payment.

The Steel H-Piles shall be according to AASHTO M270 Grade 50.

The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of the piles. Test piles shall be incidental to Fur. Steel Piles, HP12x63.

The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources (OWR) for any temporary construction activity placed in the water except cofferdams. This shall include placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to IDNR permit number as shown in the contract plans.

All proposed construction activity shall be in accordance with Statewide Permit No. 2 of the Illinois Department of Natural Resources - Office of Water Resources.

The Contractor has sole responsibility for means, methods, techniques, sequences and procedures of construction.

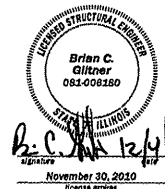
The Contractor has sole responsibility to comply with all OSHA regulations.

The abutment and piers as shown on the drawings have been designed for the Contech Bridge Solutions Pedestrian Truss Superstructure. Contractor will be responsible for modifications to plans and engineering for alternate truss superstructure supplier. The contractor shall retain the services of a State of Illinois licensed structural engineer for the design of alternations or modifications of the abutments and piers as required to accommodate an alternate truss superstructure supplier.

All miscellaneous items and incidentals are not specified on these drawings. Contractor is responsible for obtaining and installing all materials, miscellaneous items and incidentals for completion of the bridges to a functional and acceptable state. Miscellaneous items and incidentals will not be measured for payment.

COMMITMENTS

No commitments have been made for this project.



BRIDGE REACTIONS (FOR EACH BRIDGE SPAN)		THE ABUTMENTS AND PIER WERE DESIGNED BASED ON THE FOLLOWING LOADINGS PROVIDED BY CONTECH BRIDGE SOLUTIONS	
		P (LBS)	H (LBS)
Dead Load		44,750	
Uniform Live Load		54,935	
Vehicle Load		5,000	
Wind Uplift (20 PSF)	WINDWARD LEEWARD	- 22,915 - 7,640	
Wind		± 22,665	47,295
Thermal			6,715

LOAD COMBINATIONS ARE IN ACCORDANCE WITH THE 2002 AASHTO STANDARD SPECIFICATION.

TOTAL BILL OF MATERIAL

Code No.	Item	Unit	Super	Sub.		Total
				Piers	Abuts.	
28100807	Stone Dumped Rip-Rap, Class A4	TON	---	---	96	96
50200100	Structure Excavation	Cu. Yd.	---	---	93.8	93.8
50300225	Concrete Structure	Cu. Yd.	---	---	25.0	25.0
50800105	Reinforcement Bars	Pound	---	---	2,182	2,182
51201610	Fur. Steel Piles, HP12x63	Foot	---	---	400	400
51202305	Driving Piles	Foot	---	---	400	400
51500100	Name Plates	Each	---	---	1.0	1.0
59300100	Controlled Low-Strength Mat'l.	Cu. Yd.	---	---	29.6	29.6
X0322508 *	Pedestrian Truss Super Structure	Sq. Ft.	2,585	---	---	2,585

* Specialty Item



engineering, inc.
501 N. WASHINGTON STREET
METROPOLIS, ILLINOIS 62202
DR/PE/ENR (618) 261-1000
HOURS: 8:00 AM - 5:00 PM
ILLINOIS LICENSE NO. 164-004400

**GEORGE ROGERS CLARK DISCOVERY TRAIL
OVER SEVENMILE CREEK**
SECTION 09-00038-00-BT
MASSAC COUNTY
STATION 1204+52.00
STRUCTURE NUMBER 064-9919