INDEX OF SHEETS

HIGHWAY STANDARDS

515001-03

NAME PLATE FOR BRIDGES

Index of Sheets, Highway Standards, General Notes,

and Summary of Quantities

DESCRIPTION

34 General Plan & Elevation

"P" - Vertical Load Fach Base Plate (4 per SPAN)

"H" - Horizontal Load Each Footing (2 per SPAN)

"L" - Longitudinal Load Each Base Plate (4 per SPAN)

35 Abutments

36 Pier

SHEET NO.

37 Details

LETTERING FOR NAME PLATE:

STATION 1163+57.50 FOURMILE CREEK SEC. 09-00038-00-BT - BUILT 2010 MASSAC COUNTY LOADING H10 STR. NO. 064-9918

LOCATE NAME PLATE ACCORDING TO STD. 515001-03.

Wind		± 20,255	42,265		
Wind Uplift (20 PSF)	WINDWARD LEEWARD	- 20,475 - 6,825			
Vehicle Load		5,000			
Uniform Live Load		49,090			
Dead Load		37,800			
		P (LBS)	H (LBS)	L (LBS)	
		WNWARD LOAD	HE ABUTMENTS AND PIER WERE DESIGNED ASED ON THE FOLLOWING LOADINGS ROVIDED BY CONTECH BRIDGE SOLUTIONS		

Code No.	item	Unit	Super	Sub.		
				Piers	Abuts.	Total
28100807	Stone Dumped Rip-Rap, Class A4	TON		жже	96	96
50200100	Structure Excavation	Cu. Yd.	MVA	65.6	93.8	159.4
50300225	Concrete Structure	Cu. Yd.	Aen	60.7	25.0	85.7
50800105	Reinforcement Bars	Pound		***	2,182	2,182
50800205	Reinforcement, Epoxy Coated	Pound	480	13,473		13,473
51201600	Fur. Steel Piles, HP12x53	Foot	***	744		744
51201700	Fur. Steel Piles, HP12x74	Foot		458	400	400
51202305	Driving Piles	Foot		744	400	1,144
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.	4,620	444	***	4,620

LOAD COMBINATIONS ARE IN ACCORDANCE

WITH THE 2002 AASHTO STANDARD SPECIFICATION.

GENERAL NOTES

_	ROUTE SECTION		COUNTY	TOTAL	SHEET NO.		
	GRCDT	09-00038-00-BT	MASSAC	55	33		
Index of Sheets, Highway Standards, General Notes and Summary of Quantit							
	FEDERAL	PROJECT NO ARA-5045	(009) CON	ITRACT NO	99417		

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. HP12x74.

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.





GEORGE ROGERS CLARK DISCOVERY TRAIL

OVER FOURMILE CREEK

SECTION 09-00038-00-BT

MASSAC COUNTY

STATION 1163+57.50

STRUCTURE NUMBER 064-9918