

"I certify that to the best of my knowledge information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the current 'AASHTO Standard Specifications for Highway Bridges'."

LEGEND

() Tree to Remain X Tree to Be Removed Soil Boring

Equivalent Fluid Lateral Soil Pressure 6.3 kN/Cu. M

DESIGN STRESSES

f'c = 24 MPa fy = 400 MPa (Reinf.) adopted January 1, 2004.

AASHTO Guide Specifications for the Design of Pedestrian Bridges, 1997 Edition.

CLASSIFICATION

Pedestrian/Bicycle Bridge

Item	Unit	Total
Structure Excavation	Cu. M	32
Concrete Structures	Cu. M	19.6
Reinforcement Bars,		
Epoxy Coated	kg	1370
Pedestrian Bridge		
Superstructure	Sq. M	204
Furnishing Steel Piles		
HP310x79	Meter	88
Driving Steel Piles	Meter	88
Test Pile Steel HP310x79	Each	1
Metal Shoes	Each	8

TOTAL BILL OF MATERIAL

TOTAL SHEET SHEETS NO. 108 46

CONTRACT NO.

83714

GENERAL NOTES:

- 1. The superstructure, including all truss members, railings, toe plates, bearings, wood deck, and all attachments on superstructure, shall be designed and detailed by the Contractor.
- 2. Reinforcement bars shall conform to the requirements of AASHTO M 31M, M 42M, or M 53M Grade 400.
- 3. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 3 mm. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 3 mm adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.
- 4. The Contractor shall drive one (1) test pile in the permanent location at the North Abutment (center pile of group) as directed by the Engineer before ordering the remainder of the piles.
- 5. The profile of the structure shall be as shown, and as specified in the Special Provisions for camber.
- 6. The Contractor shall verify the final location of anchor bolts with the Bridge Manufacturer prior to construction and placement.
- 7. All dimensions are in millimeters (mm) except as noted.
- 8. For Soil Boring Logs, see Special Provisions.

SHEET S11 of S33

REVISION	IS		ROAD, SUITE 1000 TEL (847) 228-0707 ADOWS, IL 60008 FAX (847) 228-1115
NAME	DATE	VILLAGE	OF OAKBROOK
		SALT CREEK	GREENWAY TRAIL
		PEDESTRIAN BRI	DGE, STA. 18+802.5
·····		GENERAL PLAN	N AND ELEVATION
		DATE: 06/30/05	DRAWN BY: MDS
		DESIGNED BY: MDS	CHECKED BY: GAT