

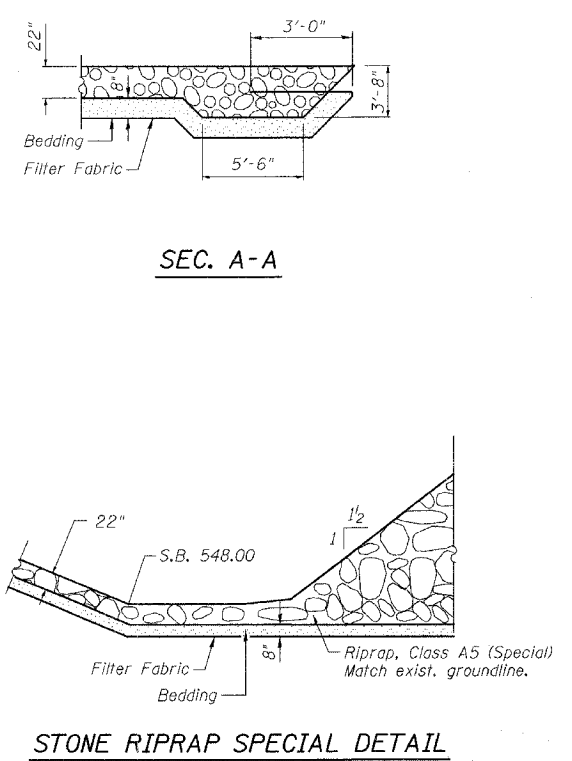
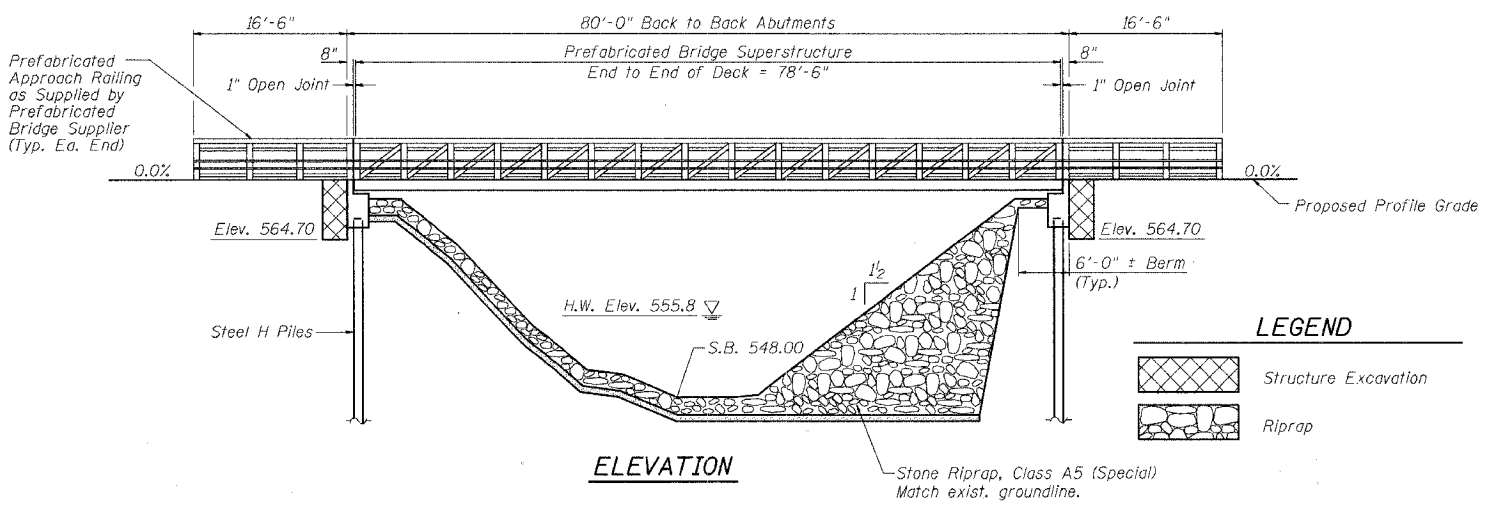
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BIKE TRAIL	****	SANGAMON	35	27
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
Bridge Sheet 1 of 4 Sheets				
**** 99-P4001-00BT				
• TE-00D6(070)				

DESIGN		
INT.	DATE	REASON

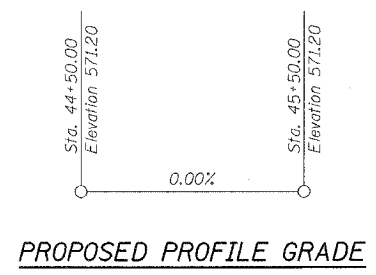
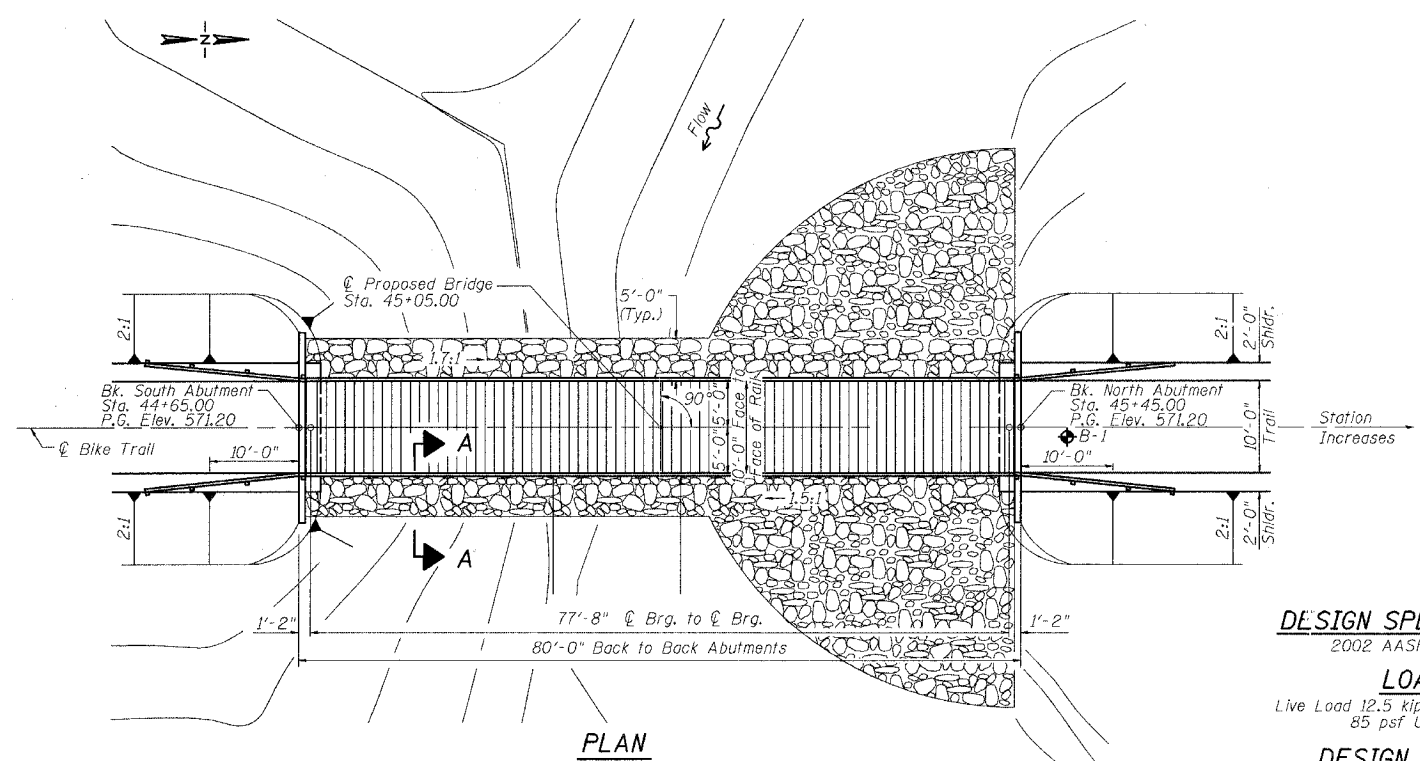
PLOTS & CHECKS			
INT.	DATE	NO.	REASON

CHECKS		
INT.	DATE	REASON



GENERAL NOTES

- The Contractor shall field verify all conditions at the site prior to the start of construction or fabrication of proposed bridge.
- Layout of slope protection system may be varied in field to suit ground conditions as directed by the Engineer.
- All anchor bolts, nuts, washers, etc. shall conform to ASTM A307 unless noted otherwise. Cost incidental to Concrete Structures.
- All concrete shall have a minimum 28 day compressive strength of 3500 psi.
- Reinforcement bars shall conform to the requirements of AASHTO M31 or M322 Grade 60.
- All reinforcement bars shall be clean and free of grease and scaling rust.
- All exposed edges shall be chamfered 3/4".
- Reinforcement bar bending dimensions are out to out.
- Premanufactured bridge supplier shall provide approach railing. Connection details shall be submitted in writing to Engineer for approval prior to construction. See Special Provisions.
- The following Construction Specifications shall be used: "State of Illinois Standard Specifications for Road and Bridge Construction, Adopted January 1, 2002."
- Test pile shall be driven at North Abutment prior to ordering remainder of piles.
- Pile cut-off elevation shall be coordinated with bearing seat elevations. See note on Abutment Sheet.
- This structure is constructed under Statewide Permit No. 12.



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Structures	Cu. Yd.	9.4
* Furnishing and Erecting Prefabricated Bridge Superstructure	L. Sum	1
Reinforcement Bars	Pound	2010
* Stone Riprap, Class A5 (Special)	Ton	915
Filter Fabric	Sq. Yd.	280
Structure Excavation	Cu. Yd.	37
Furnishing Steel Piles HP 10 X 42	Foot	130
Driving Steel Piles	Foot	130
Test Pile Steel HP 10 X 42	Each	1

* See Special Provisions

DESIGN SPECIFICATIONS

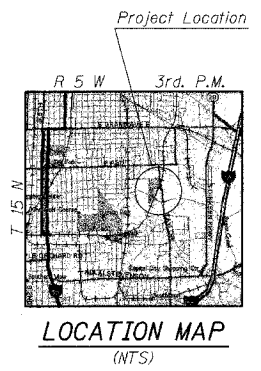
2002 AASHTO & Interims
LOADING
Live Load 12.5 kips (Emergency Vehicle)
85 psf Uniform Load

DESIGN STRESSES

$f'_c = 3.5 \text{ ksi}$
 $f_y = 50 \text{ ksi}$ Structural Steel
 $f_y = 60 \text{ ksi}$ (Reinforcement Bars)

SEISMIC DATA

S.P.C. = A
A = .049
S = 1.0



I certify that to the best of my knowledge, information and belief, the abutment 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 requirements of the current A.A.S.H.T.O. Standard Specifications for Highway Bridges.

Ravi K. Mathur 1-16-2006
Signed Dated

Expires: 11/30/06
(Applies to Abutments only)

**ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN AND ELEVATION**

PREFABRICATED BRIDGE
SPRINGFIELD PARK DISTRICT
CITY OF SPRINGFIELD
BIKE TRAIL, SANGAMON COUNTY
BUNN SECTION 99-P4001-00-BT
STATION 45+05.00

SCALE: VERT. DATE: 04/22/02	DRAWN BY: BISHOP DESIGNED BY: BRADFORD CHECKED BY: MATHUR	COMPUTER FILE NO. 99391GP2-10
GREENE & BRADFORD, INC. OF SPRINGFIELD	PROJECT 99391	1/12/06-MML

REVISIONS	
NAME	DATE
JLJ	09/24/02
BRIDGE LENGTH	12/10/02