

\$DATE\$ \$FILEL\$ \$SCALE\$ PLOT PLOT USER

DATE VAME SCALE NAME

R	SUB	TOTAL	
	158	223	
	275	275	
		1	
	400	400	
	49.5	49.5	
	5320	5320	
		1	
	945	945	
	945	945	
	1	1	
	7.7	7.7	
3		46.8	
		1	
	12	12	
		78	
	95	95	

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Filter Fabric Bedding	

CONTRACT NO. 95522 COUNTY TOTAL SHEET SHEETS NO. F.A.U. RTE. SECTION 7622 06-00085-00-BR COLES 16 9 STA. 14+00 TO STA. 15+80 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT Sheet 1 of 6 Sheets

GENERAL NOTES

- 1. 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.
- 2. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (Il Modified).
- 3. Reinforcement bars designated (E) shall be epoxy coated.
- 4. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the enaineer.
- 5. The ends of the three-sided Precast Structure shall be oriented parallel with the roadway.
- 6. The footing design is based on the following maximum reactions applied at the top of the footing/pedestal wall: 11.6 k/ft Dead (vert.) 5.0 k/ft Dead (horiz.) 4.5 k/ft Live (vert.) 2.1 k/ft Live (horiz.) The contractor shall verify that the selected structure meets these design parameters. If the design parameters are exceeded, a complete footing design with calculations, details, and the required seals shall be submitted for review and approval.
- 7. Dimensions of three sided structure and substructure are based from Hy -Span structure alternative. Substructure shall be revised as necessary per chosen alternative and be reviewed and approved by Engineer prior to construction.

INDEX OF SHEETS

- General Plan and Elevation
- Structure Details
- Concrete Bridge Railing
- Abutment Details
- Pile Details 5
- 6 Soil Boring Logs

This structure has been designed to be stable for scour conditions in accordance with the FHWA Technical Advisory - T 5140.23, "Evaluating scour at Bridges" and hydraulic engineering circular 18 -EVALUATING SCOUR AT BRIDGES

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

Jihunti 06-27-07 081-00487 MARTIN J. SILVESTER STRUCTURAL ENGINEER ICENSE EXP. DATE: 11-30-08

on	REVISIONS NAME DATE	ILLINOIS DEPARTMENT OF TRANSPORTATION GENERAL PLAN AND ELEVATION	
		JACKSON AVE. OVER TOWN BRANCH CREEK SECTION 06-00085-00-BR	
		CITY OF CHARLESTON STA. 14+95.17 STRUCTURE NO. 015-6340	
056		SCALE: VERT. DRAWN BY SAE HORIZ. DATE CHECKED BY BJF	
056		SCALE: VERT. DRAWN BY SAE	