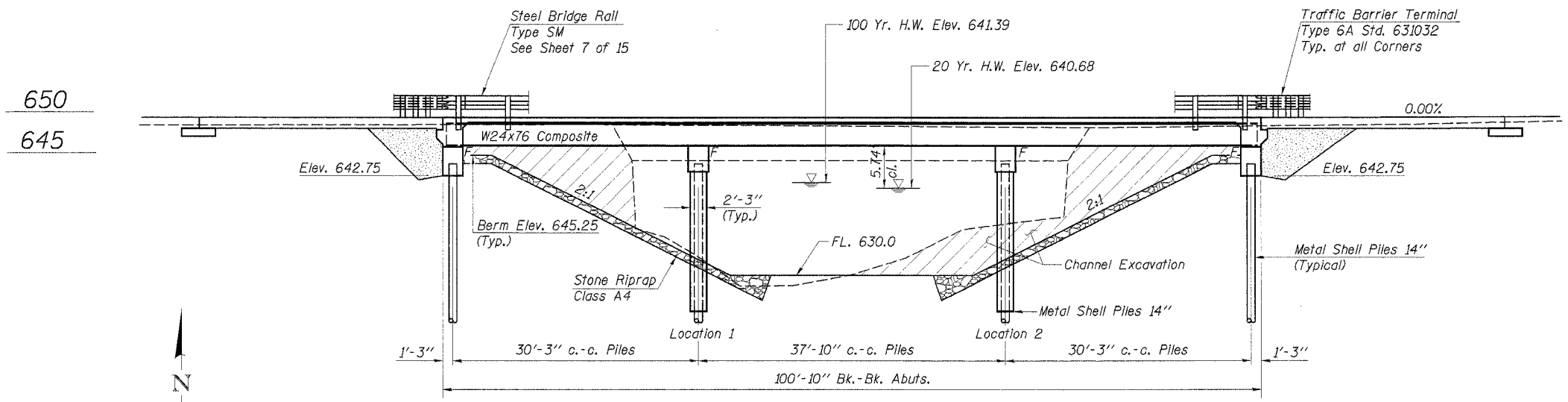
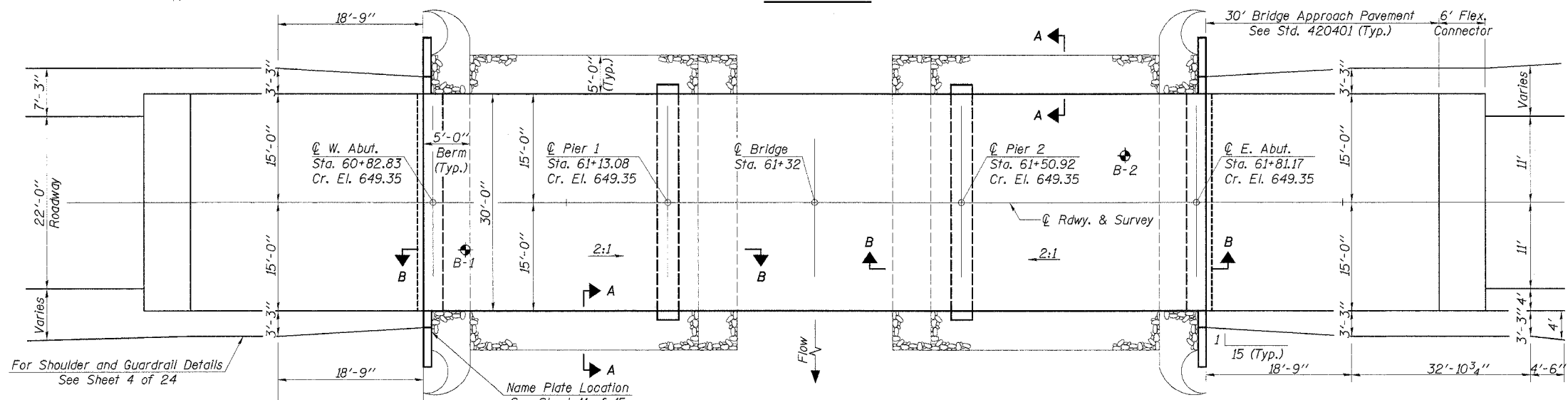


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 5 FAS 467	03-00027 -11-BR	TAZEWELL	24	5
ILLINOIS			PROJ. BRS-467(104)	
CONTRACT NO. 89361			Sheet 1 of 15	



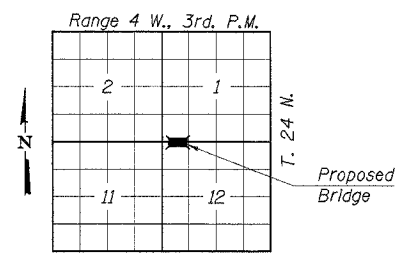
**ELEVATION**



**PLAN**

**INDEX OF SHEETS**

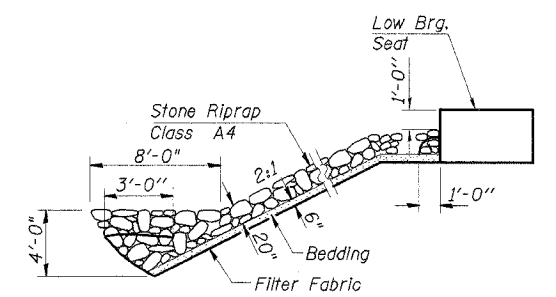
1. General Plan and Elevation
2. General Notes, Bill of Material and Miscellaneous Details
- 3.-4. Top of Slab Elevations
- 5.-6. Superstructure Details
7. Steel Bridge Rail
- 8.-9. Structural Steel
10. Anchor Bolt Details
11. Abutments
12. Piers
13. Bar Splicer Details
14. Metal Shell Piles
15. Cantilever Forming Brackets



**LOCATION PLAN**

DILLON CREEK  
BUILT 200\_ BY  
TAZEWELL COUNTY  
SEC. 03-00027-11-BR  
F.A.S. ROUTE 467  
PROJ. BRS-467(104)  
STR. NO. 090-3238 LOADING HS20

**LETTERING FOR NAME PLATE**  
See Std. 515001

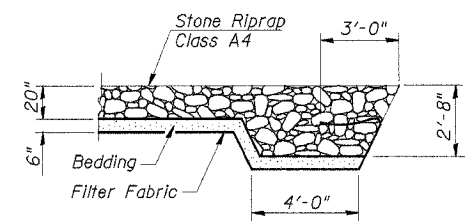


**SECTION B-B**

Stone Riprap Anchor Detail

**SECTION A-A**

Flank Stone Riprap Detail



**WATERWAY INFORMATION**

Drainage Area	12.25 Sq. Mi.
Existing Opening (20 Yr.)	376 Sq. Ft.
Required Opening (20 Yr.)	490 Sq. Ft.
Proposed Opening (20 Yr.)	490 Sq. Ft.
Design Discharge (20 Yr.)	1879 C.F.S.
Created Head (20 Yr.)	0.0 Ft.
100 Year Discharge	2840 C.F.S.
100 Yr. Created Head	0.3 Ft.

**DESIGN STRESSES**

$f_c = 3,500$ p.s.i. (Concrete)	Deck Design
$f_y = 60,000$ p.s.i. (Reinforcement)	
$f_c = 1,400$ p.s.i. (Concrete)	Substructure Design
$f_y = 24,000$ p.s.i. (Reinforcement)	
$f_s = 27,000$ p.s.i. (M270 Grade 50W Structural Steel)	
$n = 9$	

**SEISMIC DATA**

Seismic Performance Category (SPC) = A  
Bedrock Acceleration Coefficient (A) = 0.04 g  
Site Coefficient (S) = 1.0

**DESIGN SPECIFICATIONS**

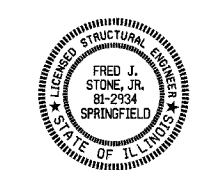
2002 AASHTO

**LOADING HS20-44**

Allow 50 lbs/Sq. Ft. for future wearing surface

"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 requirements of the current 'AASHTO Standard Specifications for Highway Bridges'."

Fred J. Stone, Jr. (1-3-05)  
ILLINOIS STRUCTURAL NO. 2934 (Expires 11/30/06)



**GENERAL PLAN & ELEVATION**

SECTION 03-00027-11-BR  
COUNTY HIGHWAY 5  
TAZEWELL COUNTY  
STA. 61+32

4440 ASH GROVE SPRINGFIELD, IL 62711 (217) 793-8800 osinc@tamvid.com	<b>OZYURT AND STONE, INC.</b> CONSULTING ENGINEERS	JOB NO.: 0313 FILE: GPE.DGN DATE: 12/30/04
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