

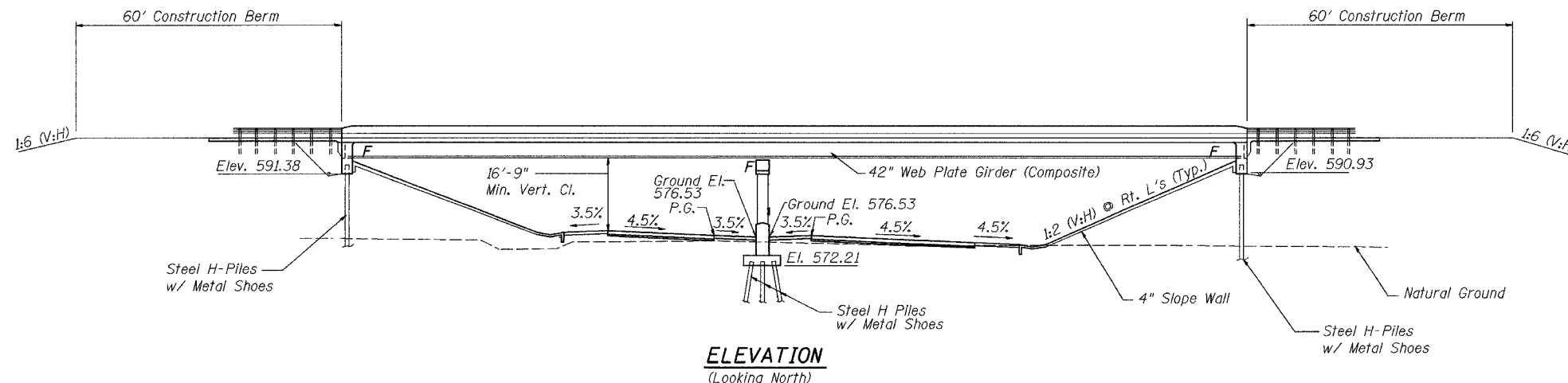
Bench Mark: #14 set RRS in top of 12" stump, 3' Lt. Sta. 389+00 El. 567.64

Existing Structure: None

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 595	I-3-K	Rock Island	476	252
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 1  
22 SHEETS

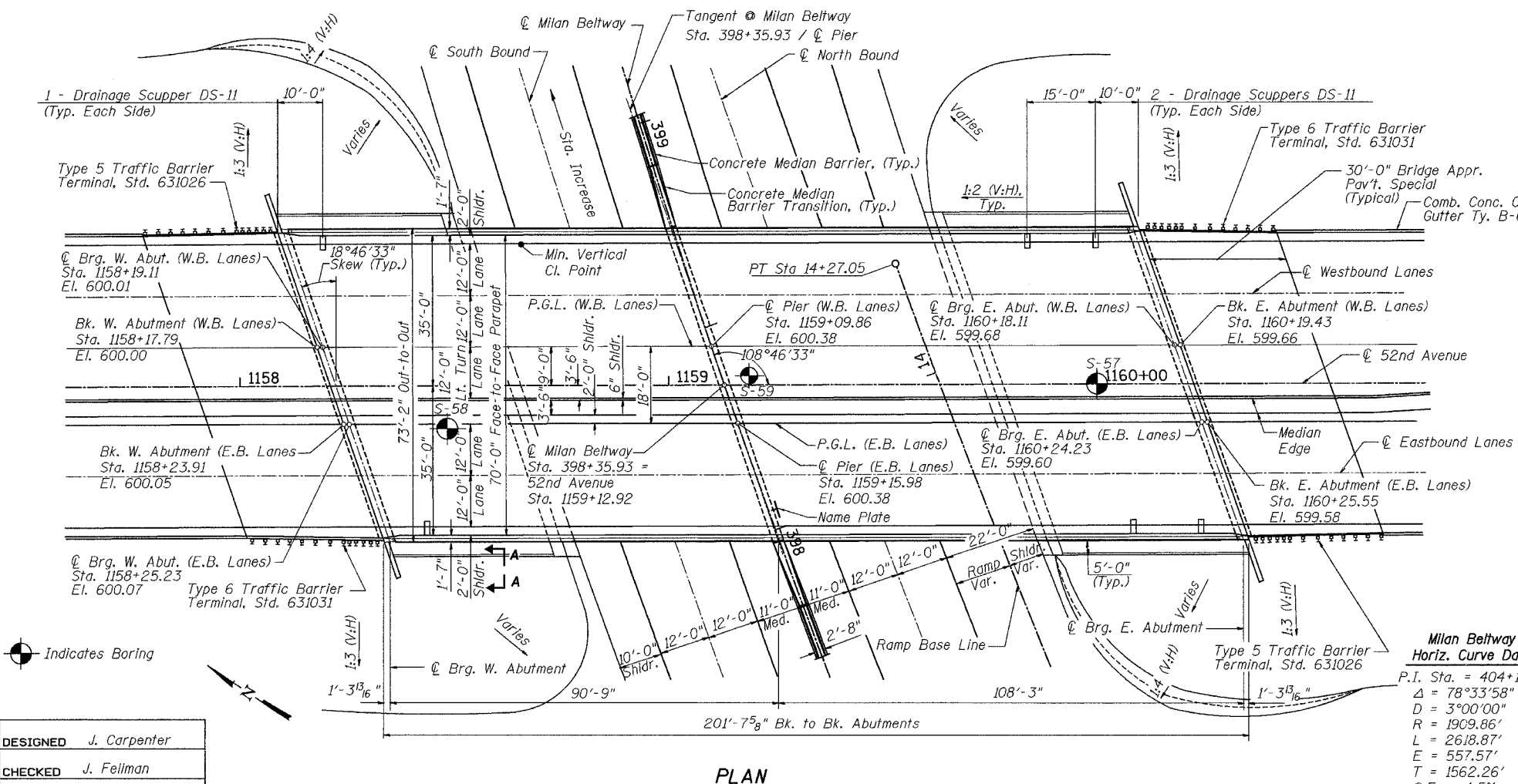


**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu. Yd.		320	320
Structure Excavation	Cu. Yd.		448	448
Concrete Structures	Cu. Yd.		228.6	228.6
Concrete Superstructure	Cu. Yd.	487.6		487.6
Bridge Deck Grooving	Sq. Yd.	1523		1523
Protective Coat	Sq. Yd.	1739		1739
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	4563		4563
Reinforcement Bars, Epoxy Coated	Pound	118250	42870	161120
Slope Wall 4 Inch	Sq. Yd.		852	852
Furnishing Steel Piles HP 10 x 57	Foot		1851	1851
Driving Steel Piles	Foot		1851	1851
Test Pile Steel HP 10 x 57	Each		3	3
Metal Shoes	Each		48	48
Bar Splacers	Each	140		140
Name Plates	Each	1		1
Drainage Scuppers, DS-11	Each	6		6

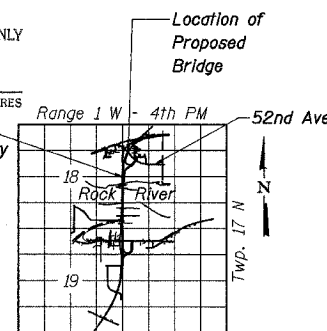
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11. Structural Steel Framing	22. Boring Logs



**APPROVED**  
FOR STRUCTURAL ADEQUACY ONLY  
*Ralph E. Anderson*  
ENGINEER OF BRIDGES AND STRUCTURES

*John B. Fellman*  
Expires 11-30-2006



**LOADING HS20-44**  
Allow 50#/sq. Ft. for future wearing surface.  
**DESIGN SPECIFICATIONS**  
2002 AASHTO

**DESIGN STRESSES**  
FIELD UNITS  
f'c = 3,500 psi  
fy = 60,000 psi (reinforcement)  
fy = 50,000 psi M270 Gr. 50 (structural steel)  
fy = 36,000 psi M270 Gr. 36 (structural steel)

**SEISMIC DATA**  
Seismic Performance Category (SPC) = A  
Bedrock Acceleration Coefficient (A) = 0.035  
Site Coefficient (S) = 1.5

**GENERAL PLAN**  
52nd Ave. over Milan Beltway  
F.A.U. Route 5822 Section I-3  
Rock Island County  
Sta. 1159+12.92  
Structure Number 081-0156