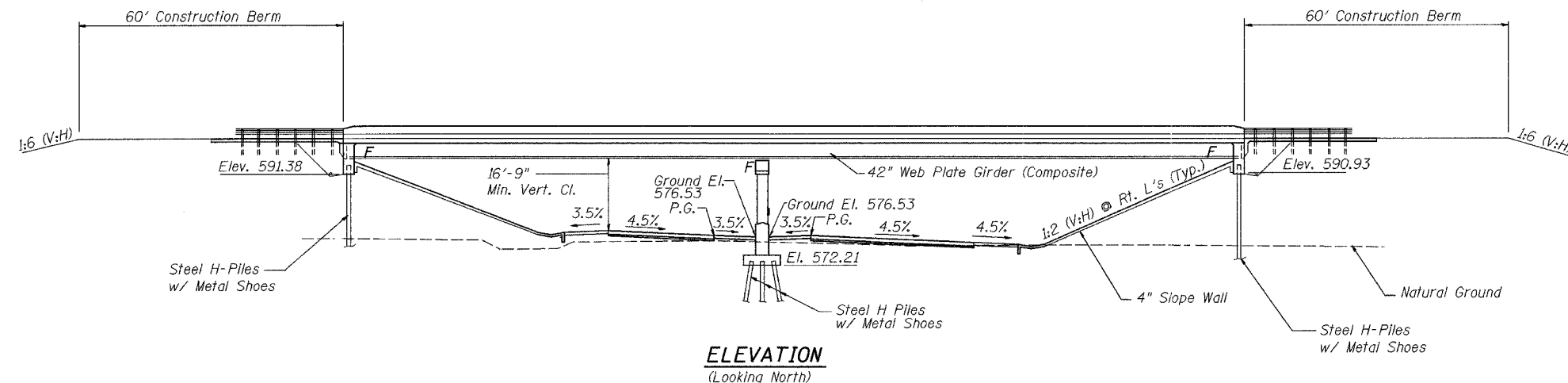


Bench Mark: #14 set RRS in top of 12" stump, 3' Lt. Sta. 389+00 El. 567.64

Existing Structure: None

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET	SHEET NO. 1
F.A.P. 595	1-3-K	Rock Island	476	252	22 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

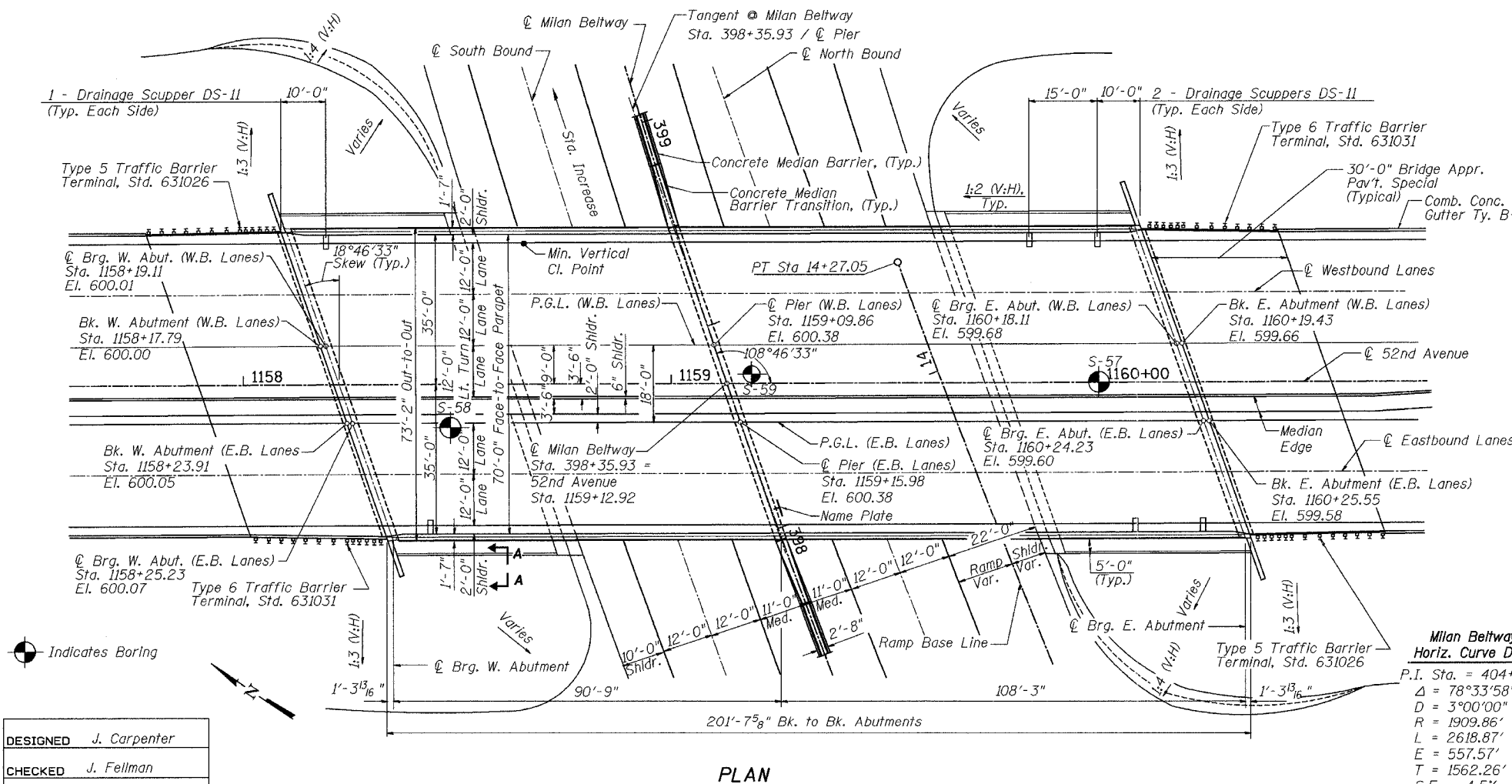


TOTAL BILL OF MATERIAL

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 Splicers	Each	140		140
Name Plates	Each	1		1
Drainage Scuppers, DS-11	Each	6		6

INDEX OF SHEETS

- | | |
|--|--------------------------------------|
| 1. General Plan | 12. Structural Steel Details |
| 2. General Data | 13. Bearing Details |
| 3. Top of Slab Elevations Layout | 14. Anchor Bolt Details for Bearings |
| 4. Top of Slab Elevations | 15. Drainage Scupper, DS-11 |
| 5. Top of Slab Elevations | 16. West Abutment Details |
| 6. Superstructure Plan | 17. East Abutment Details |
| 7. Cross Section | 18. Pier Details |
| 8. Superstructure Details | 19. Pier Details |
| 9. Diaphragm Details at West Abutment | 20. Bridge Approach Pavement (SP) |
| 10. Diaphragm Details at East Abutment | 21. Bar Splicer Assembly Details |
| 11. Structural Steel Framing | 22. Boring Logs |



DESIGNED	J. Carpenter
CHECKED	J. Fellman
DRAWN	R. Parsons
CHECKED	J. Fellman

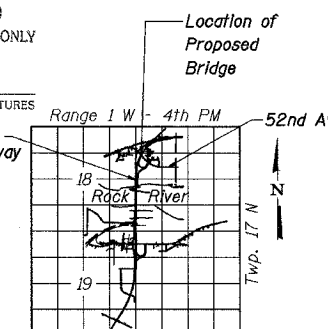


APPROVED

FOR STRUCTURAL ADEQUACY ONLY

John B. Fellman
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
 - $f_y = 60,000$ psi (reinforcement)
 - $f_y = 50,000$ psi M270 Gr. 50 (structural steel)
 - $f_y = 36,000$ 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 1-3
Rock Island County
Sta. 1159+12.92
Structure Number 081-0156

Milan Beltway
Horiz. Curve Data
P.I. Sta. = 404+13.55
 $\Delta = 78^\circ 33' 58''$ (Rt.)
 $D = 3^\circ 00' 00''$
 $R = 1909.86'$
 $L = 2618.87'$
 $E = 557.57'$
 $T = 1562.26'$
 $S.E. = 4.5\%$
P.C. Sta. = 388+51.29
P.T. Sta. = 414+70.17