

INDEX OF SHEETS

- SA-1. General Plan & Elevation
- SA-2. General Data
- SA-3. Soldier Pile Layout
- SA-4. Typical Section
- SA-5. Section Near Railroad Bridge
- SA-6. Details
- SA-7. Concrete Facing 1
- SA-8. Concrete Facing & Details
- SA-9. Chain Link Fence Details
- SA-10. Architectural Finish Details
- SA-11. Pile Splice Details
- SA-12. Boring Logs 1
- SA-13. Boring Logs 2

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. The Contractor is responsible for the design and performance of the lagging using no less than 3" nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.
3. Concrete sealer shall be applied to exposed surfaces of the front face and top of wall.
4. Calculated length of Furnishing Soldier Piles (W Section) = 312 Feet (W18x86) and 1080 Feet (W33x141)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	547
Concrete Structures	Cu. Yd.	159.2
Concrete Sealer	Sq. Ft.	3,668
Stud Shear Connectors	Each	496
Reinforcement Bars, Epoxy Coated	Pound	19,780
Geocomposite Wall Drain	Sq. Yd.	255
Untreated Timber Lagging	Sq. Ft.	3,101
Furnishing Soldier Piles (W Section)	Foot	1,392
Pipe Underdrains for Structures, 4"	Foot	345
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	11,023
Form Liner Textured Surface	Sq. Ft.	2,598
Chain Link Fence 4' Attached to Structure	Lin. Ft.	306

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

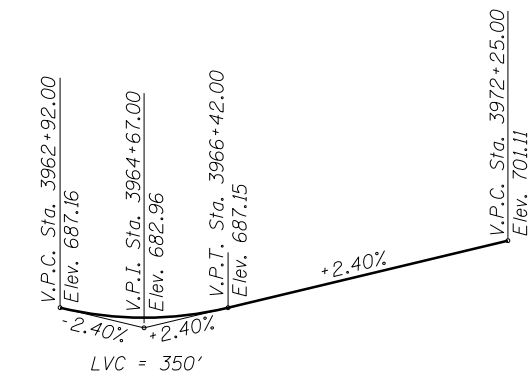
DESIGN STRESSES

FIELD UNITS

- $f'_c = 3,500$ psi
- $f_y = 60,000$ psi (reinforcement)
- $f_y = 36,000$ psi (M270 Grade 36)

HORIZONTAL CURVE DATA

Proposed Curve PR1L59-3
 PI Sta. = 3966+92.83
 $\Delta = 3^\circ 39' 58''$ (LT)
 $D = 1^\circ 49' 07''$
 $R = 3,150.48'$
 $T = 100.83'$
 $L = 201.59'$
 $E = 1.61'$
 P.C. Sta. = 3965+92.00
 P.T. Sta. = 3967+93.59



PROFILE GRADE

(along inside edge of pavement, proposed IL Route 59)

FILE NAME = ...60R30-W047-002-GenData.dgn



Zroka Engineering, P.C.
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 Chicago, IL 60613

DESIGNED - LAS	REVISED -
CHECKED - DAZ	REVISED -
SCALE - NONE	REVISED -
DATE - 12/14/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL DATA
STA. 3965+23.00 TO STA. 3968+25.00 SN 022-W047

SHEET NO. SA-2 OF SA-13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-7	DUPAGE	1156	848
ILLINOIS FED. AID PROJECT				CONTRACT NO. 60R30