

INDEX OF SHEETS

- SC-1. General Plan & Elevation
- SC-2. General Data
- SC-3. Soldier Pile Layout
- SC-4. Typical Section
- SC-5. Details
- SC-6. Concrete Facing 1
- SC-7. Concrete Facing & Details
- SC-8. Pilaster & Details
- SC-9. Architectural Finish Details
- SC-10. Pile Splice Details
- SC-11. Boring Logs 1
- SC-12. 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, top face and back face of wall.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	230
Concrete Structures	Cu. Yd.	92.2
Concrete Sealer	Sq. Ft.	2,189
Stud Shear Connectors	Each	216
Reinforcement Bars, Epoxy Coated	Pound	15,840
Geocomposite Wall Drain	Sq. Yd.	102
Untreated Timber Lagging	Sq. Ft.	1,196
Furnishing Soldier Piles (W Section)	Foot	1,075
Pipe Underdrains for Structures, 4"	Foot	290
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	7,996
Form Liner Textured Surface	Sq. Ft.	1,184

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications
for Highway Bridges, 17th Edition

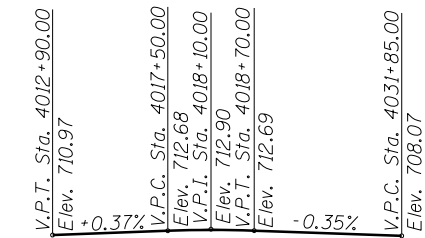
LOADING

Wind Load on Noise Wall = 35 psf

DESIGN STRESSES

FIELD UNITS

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



PROFILE GRADE

(along inside edge of pavement IL Route 59)

FILE NAME = ...60R31-W051-002-GenData.dgn



Zroka Engineering, P.C.
4216 North Hermitage
Chicago, IL 60613

DESIGNED - JLA	REVISED -
CHECKED - LAS	REVISED -
SCALE - NONE	DRAWN - SAW
DATE - 12/14/2012	CHECKED - JLA
	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STA. 4018 + 30.06 TO STA. 4020 + 80.00 S.N. 022-W051

SHEET NO. SC-2 OF SC-12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	(112 & 113) WRS-6	DUPAGE	734	510
CONTRACT NO. 60R31				
ILLINOIS FED. AID PROJECT				