

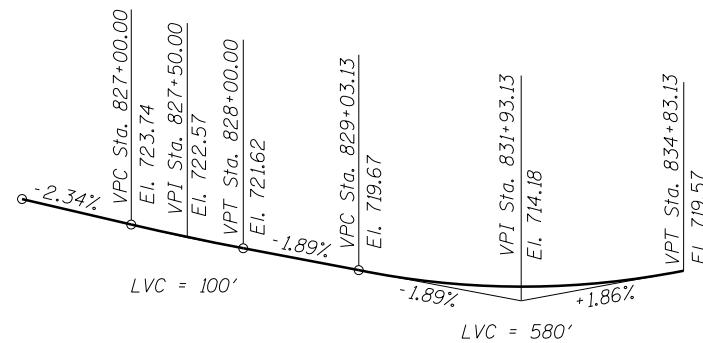
DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications 6th Edition with 2012 Interims

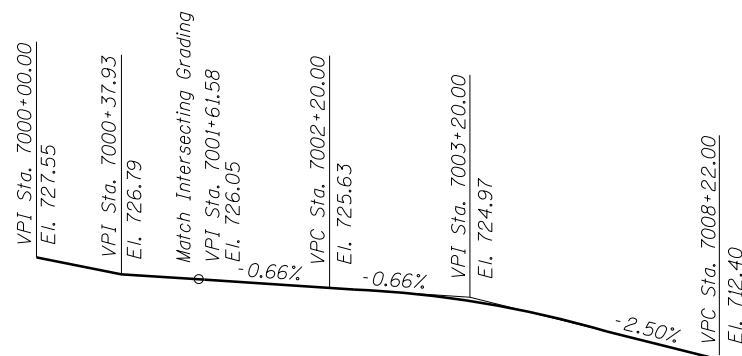
DESIGN STRESSES

FIELD UNITS

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



SB IL ROUTE 59 - PROPOSED
PROFILE GRADE LINE
 (along edge of pavement proposed SB IL Route 59)



RAMP C - PROPOSED
PROFILE GRADE LINE
 (along proposed Ramp C)

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.	192
Concrete Structures	Cu. Yd.	134.3
Concrete Sealer	Sq. Ft.	3,033
Stud Shear Connectors	Each	436
Reinforcement Bars, Epoxy Coated	Pound	19,630
Geocomposite Wall Drain	Sq. Yd.	185
Untreated Timber Lagging	Sq. Ft.	2,445
Furnishing Soldier Piles (W Section)	Foot	1,385
Pipe Underdrains for Structures, 4"	Foot	602
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	7,636
Form Liner Textured Surface	Sq. Ft.	1,877
Granular Backfill for Structures	Cu. Yd.	315

GENERAL NOTES & BILL OF MATERIAL
SN 022-W065

FILE NAME = ...E0131-W065-002-GenData.dgn



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

USER NAME = SAW	DESIGNED - LAS	REVISED -
	CHECKED - DAZ	REVISED -
PLOT SCALE = 38.00' / IN.	DRAWN - SAW	REVISED -
PLOT DATE = 10/9/2012	CHECKED - JLA	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & BILL OF MATERIAL
STRUCTURE NUMBER 022-W065

SHEET NO. SD-2 OF SD-11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338/IL 59	(112 & 113) WRS-5	DUPAGE	963	663
			CONTRACT NO. 60131	
ILLINOIS FED. AID PROJECT				