

Bench Mark: Chiseled square on top of crashwall at south end of east-most pier of S.N. 049-0058. Elevation 742.33.
Existing Structure: None

DESIGN SPECIFICATIONS
2012 AASHTO LRFD Bridge Design Specifications with 2012 Interims

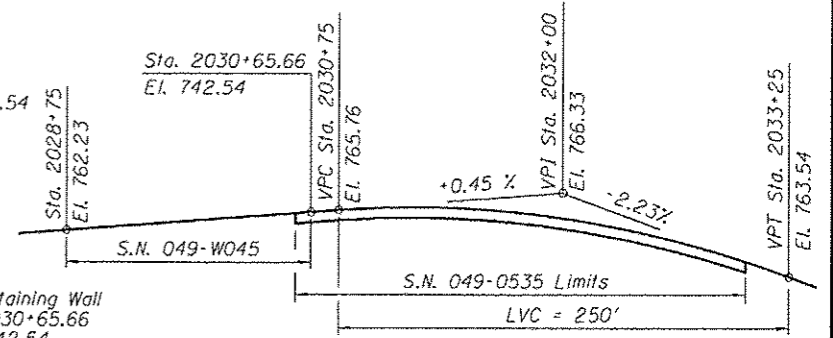
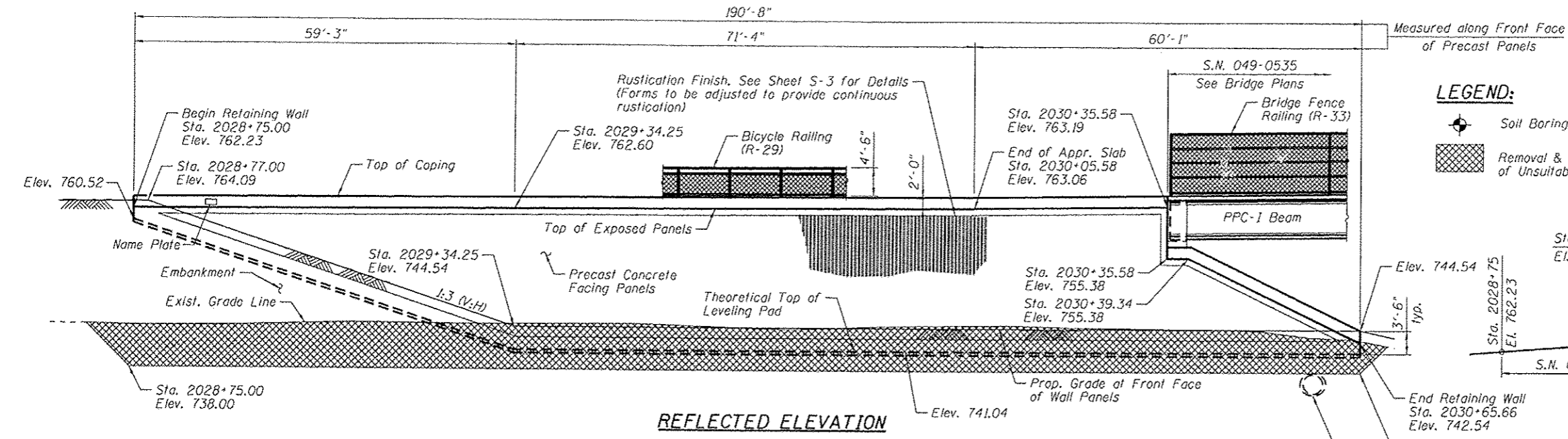
DESIGN STRESSES

FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

PRECAST UNITS
f'c = 4,500 psi (Precast Panels)
fy = 60,000 psi (Reinforcement)

LEGEND:

Soil Boring
Removal & Disposal of Unsuitable Materials



PROFILE GRADE

EB & WB IL RTE. 173
(O.S. 15'-0" Rt./Lt. from C. Rdwy.)

NOTES:

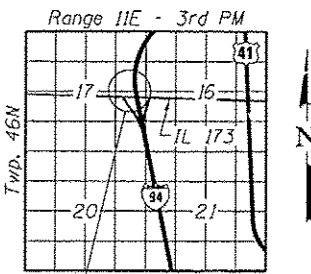
- Horizontal dimensions measured along front face of precast panels.
- Stations & offsets are given to front face of precast panels relative to C. IL Rte 173.
- See Sheet S-2 for Sections A-A, B-B & C-C.



SIGNED: *Brian L. Umbright*
DATE: June 19, 2012
EXPIRES: November 30, 2012

APPROVE
For Structural Adequacy Only

Carl Perry
Engineer of Bridges & Structures



TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Removal and Disposal of Unsuitable Material	Cu. Yd.	1,200
Structure Excavation	Cu. Yd.	700
Concrete Superstructure	Cu. Yd.	41.0
Reinforcement Bars, Epoxy Coated	Pound	5,320
Bicycle Railing	Foot	132
Name Plates	Each	1
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	3,200

GENERAL PLAN & ELEVATION
IL RTE. 173 (ROSECRANS ROAD) OVER I-94
F.A.P. RTE. 0303 - SEC. 49-1-R-1
LAKE COUNTY
STATION 2028+75.00 TO STA. 2030+65.66
STRUCTURE NO. 049-W045

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BOWMAN, BARRETT & ASSOCIATES INC. CONSULTING ENGINEERS Chicago, Illinois 312.228.0100 www.bbainc.com	USER NAME: IYL	DESIGNED: IYL	DATE: JUNE 27, 2012
	PLOT SCALE: 1"=40'	CHECKED: BLU	REVISED:
	PLOT DATE:	DRAWN: MTR	REVISED:
		CHECKED: IYL	REVISED:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. S-1 OF 5-6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	49-1-R-1	LAKE	677	475
				CONTRACT NO. 60L77
ILLINOIS FED. AID PROJECT				