

Bench Mark: BM #224 4059+52, 34' LT
 DuPage County survey disk at north end of the west bridge wall,
 IL Rte 59 over Interstate Route 88, Elev. 731.43

Existing Structure: None

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications
 6th Edition, with 2012 Interim Revisions

Illinois State Toll Highway Authority
 Structure Design Manual, March 2012

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)
 $f_y = 50,000$ psi (AASHTO M270 Gr. 50)

CURVE DATA

<p>Wall W067 Curve RW067-1 $\Delta = 6^\circ 48' 49''$ (RT) $D = 6^\circ 48' 49''$ $R = 840.92'$ $T = 50.06'$ $L = 100.00'$ $E = 1.49'$ SE = Normal Crown PC STA. 0+00.00 PT STA. 1+00.00 PI STA. 0+50.06</p>	<p>Ramp A Curve Ramp A-1 $\Delta = 19^\circ 06' 41''$ (RT) $D = 6^\circ 42' 19''$ $R = 854.50'$ $T = 143.85'$ $L = 285.02'$ $E = 12.02'$ SE = Normal Crown PC STA. 1010+91.56 PT STA. 1013+76.58 PI STA. 1012+35.41</p>
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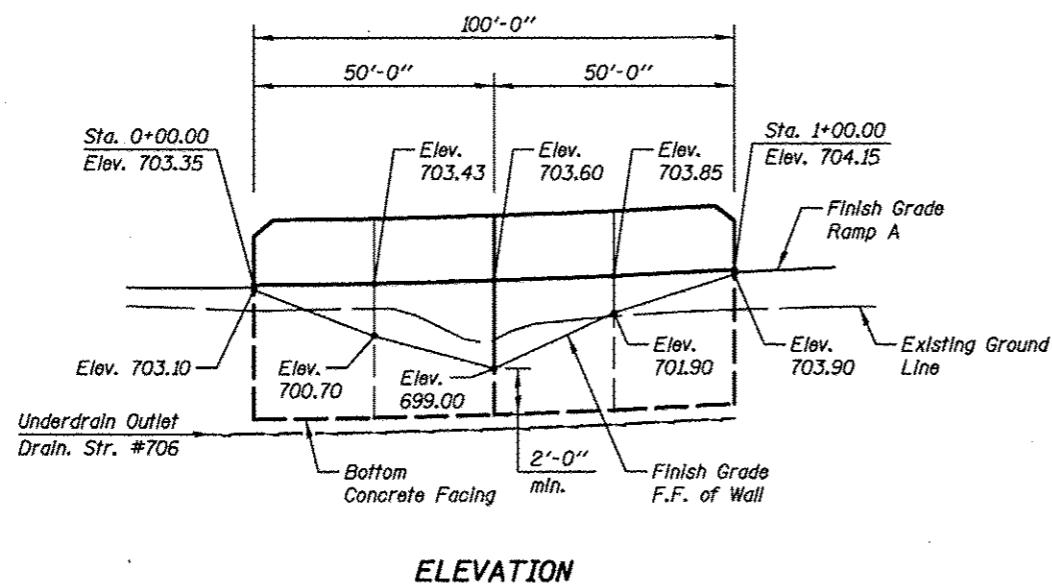
POT "A"
 Sta. 0+00.00 - Wall W067 =
 Sta. 1012+55.00, 13.58' Rf. - Ramp A

TOTAL BILL OF MATERIAL

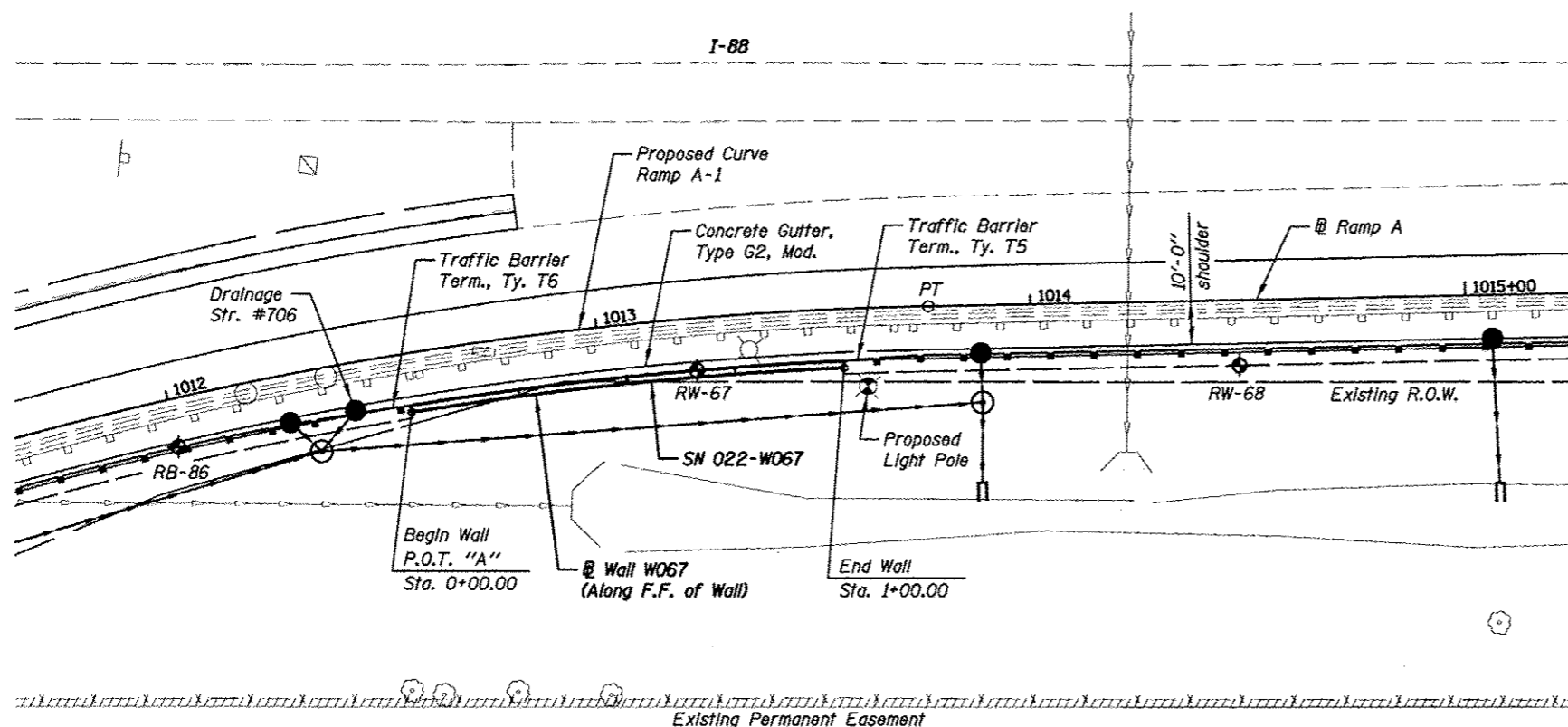
ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	58.0
Concrete Structures	Cu. Yd.	46.0
Stud Shear Connectors	Each	200
Reinforcement Bars, Epoxy Coated	Pound	5330
Concrete Sealer	Sq. Ft.	1511.0
Geocomposite Wall Drain	Sq. Yd.	62.0
Untreated Timber Lagging	Sq. Ft.	551.0
Furnishing Soldier Piles (HP Section)	Foot	560.0
Pipe Underdrains for Structures 4"	Foot	112.0
Drilling And Setting Soldier Piles (In Soil)	Cu. Ft.	2842.0

INDEX OF DRAWINGS

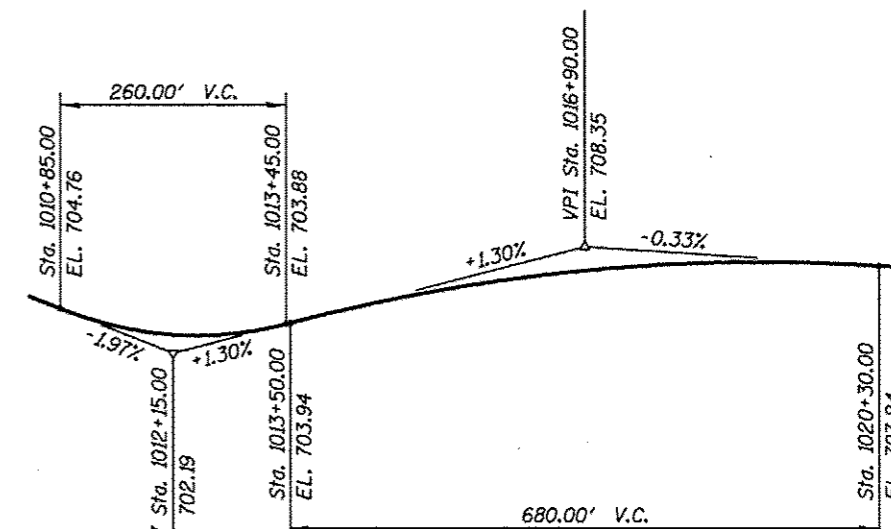
SHT NO.	TITLE
SF-1	General Plan and Elevation
SF-2	Typical Wall Section and Details
SF-3	Plan & Elevation - Panels A & B
SF-4	Wall Sections and Details
SF-5	Soil Boring Logs



ELEVATION

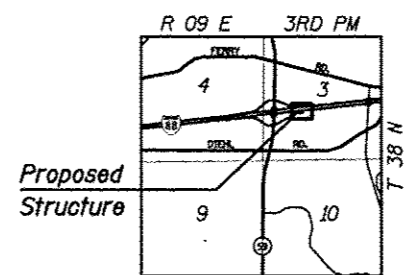


PLAN



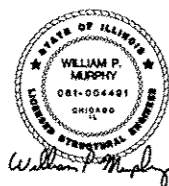
RAMP A - PROPOSED PROFILE GRADE LINE

(Profile along outside edge of shoulder)



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
 ILLINOIS ROUTE 59 F.A.P. RTE. 338
 SEC. (112 & 113) WRS-5
 DUPAGE COUNTY
 STA. 1012+55 TO STA. 1013+57
 STRUCTURE NO. 022-W067



Expires 11-30-2012
 Date: 10/15/2012
 for drawings
 SF-1 thru SF-5

Notes

See Roadway Plans for Concrete Gutter, Type G2, Mod. details.
 See Roadway Drainage Plans for drainage structure sizes and locations.

Legend

Soil Borings
 F.F. Front Face
 B.F. Back Face