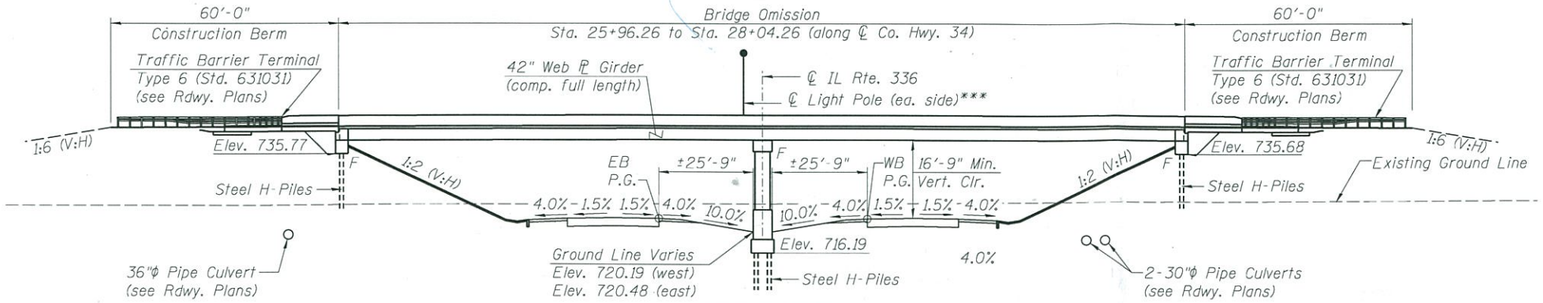
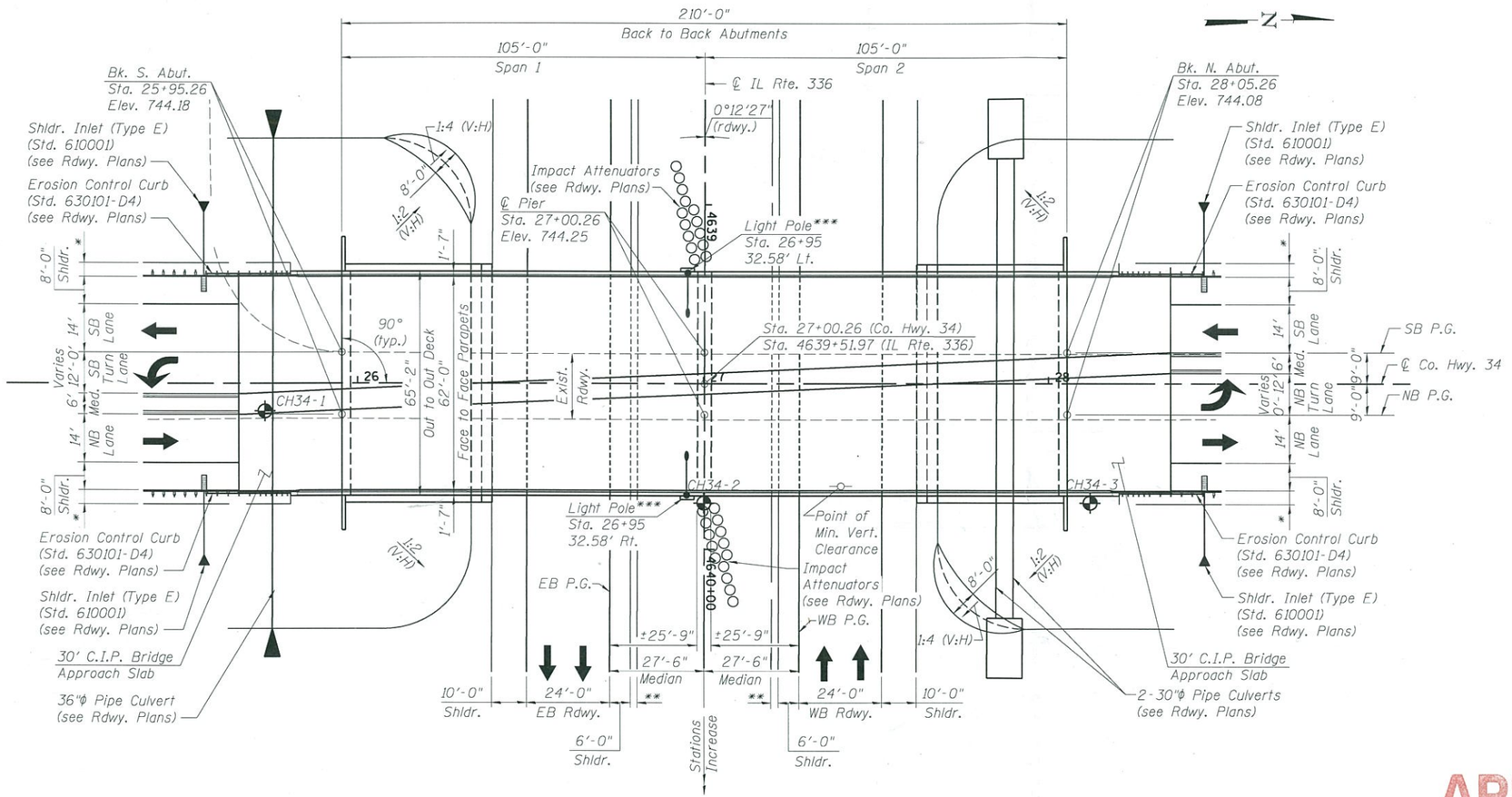
Bench Mark: CB-25, RR spike in utility pole on West side of County Highway 34 (Hanna City-Glasford Blacktop), ±240' South of intersection with Behrends Road & ±0.8-mile South of intersection with IL Rte. 116, Elev. 726.670 (NAVD 88).

Existing Structure: None

Traffic Control: County Highway 34 traffic will be detoured via local roads during construction.



ELEVATION



PLAN

* 4'-0" Agg. Shldr.
** 2'-0" Agg. Shldr.
*** Alum. light poles are 10"ϕ (15"ϕ bolt circle), have height of 45', support 10' mast arms, & are mounted on parapets above the pier (see Electrical Plans for further details).

HIGHWAY CLASSIFICATION

F.A.S. Rte. 388 (Co. Hwy. 34)	F.A.P. Rte. 315 (IL Rte. 336)
Functional Class: Major Collector	Functional Class: Freeway
ADT: 1,380 (2015); 2,900 (2035)	ADT: 7,700 (2015); 9,400 (2035)
ADTT: 165 (2015); 350 (2035)	ADTT: 770 (2015); 940 (2035)
DHV: 200 (2035)	DHV: 1,030 (2035)
Design Speed: 60 m.p.h.	Design Speed: 70 m.p.h.
Posted Speed: 55 m.p.h.	Posted Speed: 65 m.p.h.
Two-Way Traffic	Two-Way Traffic
Directional Distribution: 62(SB):38(NB)	Directional Distribution: 50:50

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications, 6th Edition with 2013 Interim Revisions

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

FIELD UNITS

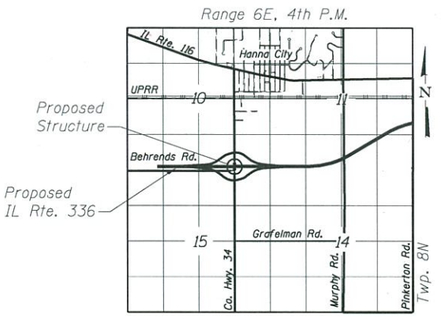
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)
fy = 36,000 psi (M270 Grade 36)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.111g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.173g
Soil Site Class = D

SETTLEMENT DATA

According to settlement calculations in the Structure Geotechnical Report, 2.0 inches of settlement is predicted to occur under proposed approach embankments with a T90 time of 1 month (no wick drains are required).



LOCATION SKETCH

APPROVED
MAR 17 2015
AS A BASIS FOR PREPARATION OF DETAILED PLANS

GENERAL PLAN & ELEVATION
CO. HWY. 34 OVER IL RTE. 336
F.A.P. RTE. 315 - SEC. 72-1
PEORIA COUNTY
STATION 4639+51.97
STRUCTURE NO. 072-0233

AECOM

USER NAME = dabezicd	DESIGNED - DEV	REVISED -	
	CHECKED - CLS	REVISED -	
PLOT SCALE = 22.8222'/IN.	DRAWN - DLC	REVISED -	
PLOT DATE = 3/2/2015	DATE - 03/02/15	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 2 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	72-1	PEORIA		
		CONTRACT NO. 68A04		
		ILLINOIS FED. AID PROJECT		

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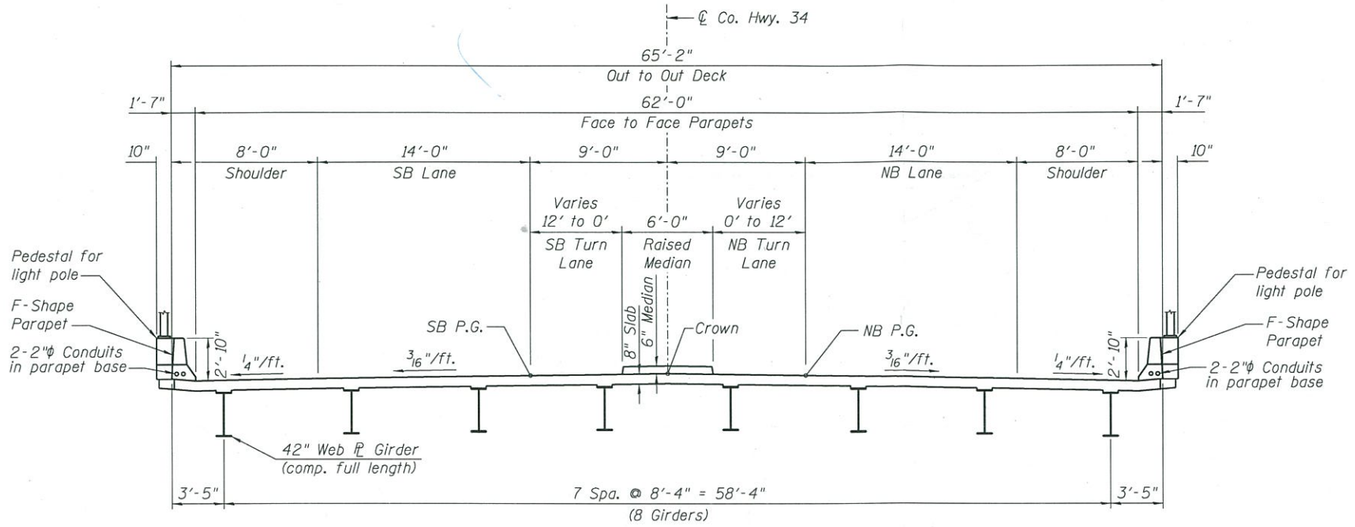
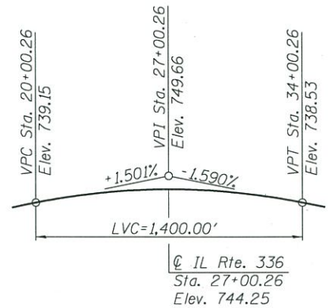
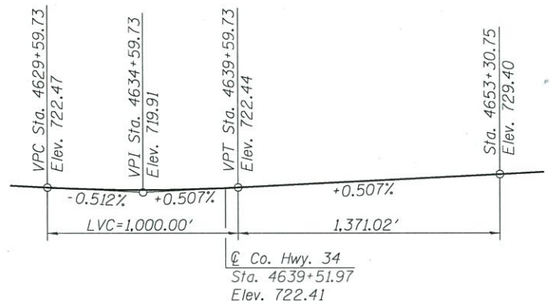


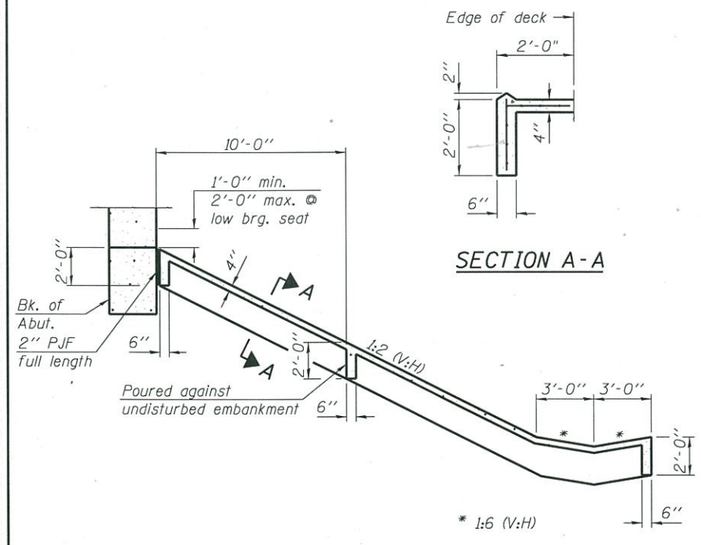
CROSS SECTION
(Looking North)



PROFILE GRADE - CO. HWY. 34
(along proposed NB & SB P.G.L.)

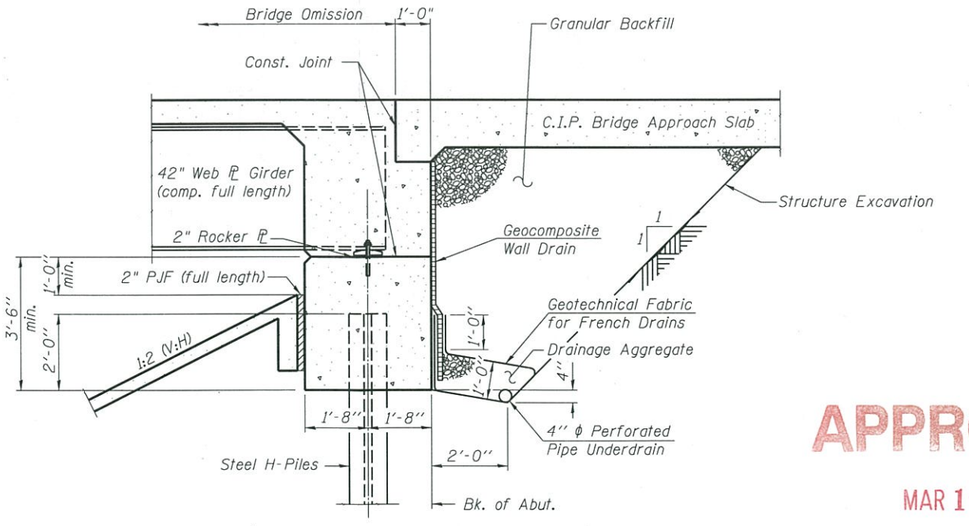


PROFILE GRADE - IL RTE. 336
(along proposed EB & WB P.G.L.)

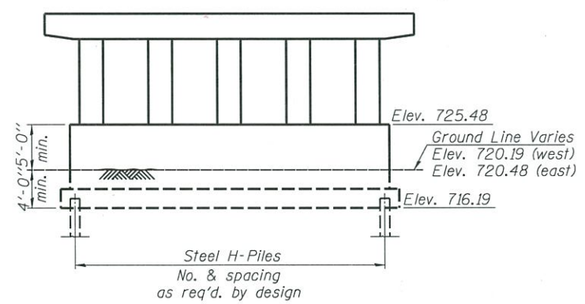


SECTION A-A

SECTION THRU CONCRETE SLOPEWALL



SECTION THRU INTEGRAL ABUTMENT



PIER SKETCH

APPROVED

MAR 17 2015

AS A BASIS FOR
PREPARATION OF DETAILED PLANS

DETAILS
CO. HWY. 34 OVER IL RTE. 336
F.A.P. RTE. 315 - SEC. 72-1
PEORIA COUNTY
STATION 4639+51.97
STRUCTURE NO. 072-0233

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AECOM	USER NAME = patelp2	DESIGNED - DEV	REVISED -
		CHECKED - CLS	REVISED -
	PLOT SCALE = 20.0000'/IN>	DRAWN - DLC	REVISED -
	PLOT DATE = 3/2/2015	DATE - 03/02/15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 2 OF 2 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	72-1	PEORIA		
		CONTRACT NO. 68A04		
	ILLINOIS FED. AID PROJECT			