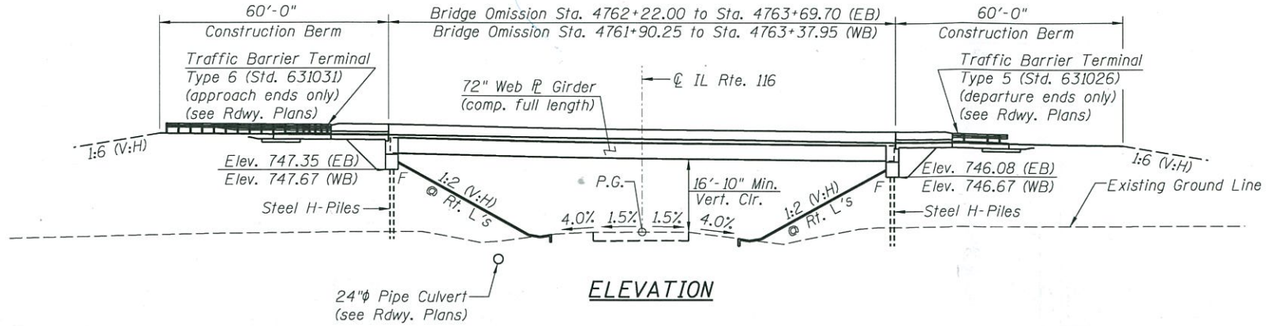
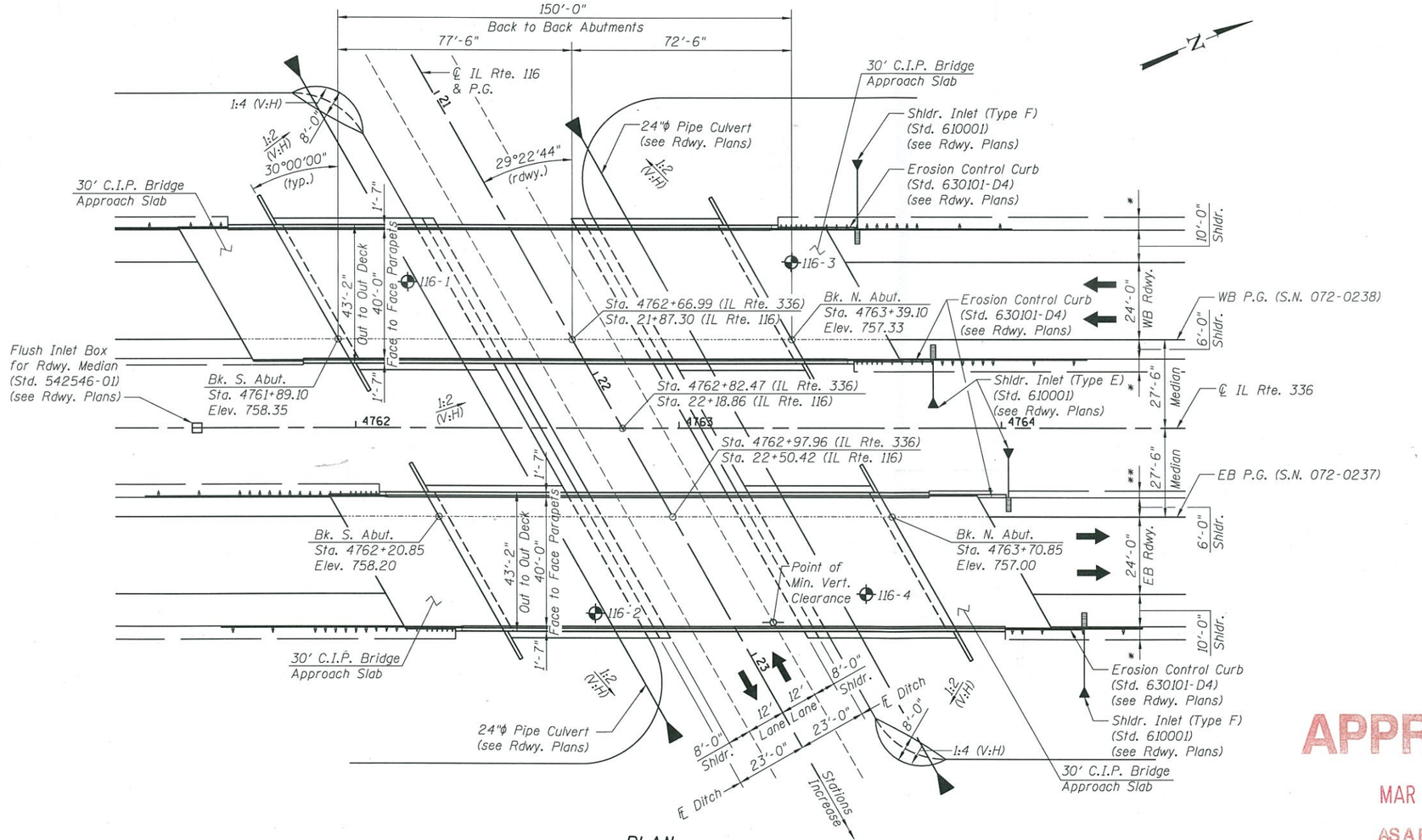
Bench Mark: CB-14, chiseled "+" on North bolt of fire hydrant on South side of IL Rte. 116.
±50' West of the intersection with Greengold Road. Elev. 727.838 (NAVD 88).

Existing Structure: None

Traffic Control: IL Rte. 116 traffic will be maintained during construction.



ELEVATION



PLAN

* 4'-0" Agg. Shldr.
** 2'-0" Agg. Shldr.

HIGHWAY CLASSIFICATION

F.A.P. Rte. 315 (IL Rte. 336)
Functional Class: Freeway
ADT: 7,700 (2015); 9,400 (2035)
ADTT: 770 (2015); 940 (2035)
DHV: 1,030 (2035)
Design Speed: 70 m.p.h.
Posted Speed: 65 m.p.h.
Two-Way Traffic
Directional Distribution: 50:50

F.A.P. Rte. 669 (IL Rte. 116)
Functional Class: Minor Arterial
ADT: 9,500 (2015); 3,400 (2035)
ADTT: 1,100 (2015); 340 (2035)
DHV: 370 (2035)
Design Speed: 60 m.p.h.
Posted Speed: 50 m.p.h.
Two-Way Traffic
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

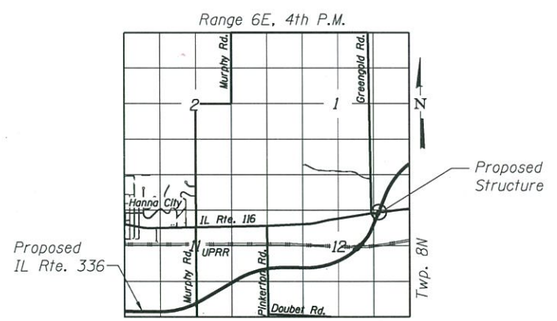
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)
fy = 36,000 psi (M270 Grade 36)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.079g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.130g
Soil Site Class = C

SETTLEMENT DATA

According to settlement calculations in the Structure Geotechnical Report, 3.0 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
IL RTE. 336 OVER IL RTE. 116
F.A.P. RTE. 315 - SEC. 72-1
PEORIA COUNTY
STATION 4762+82.47
STRUCTURE NO. 072-0237 (EB)
STRUCTURE NO. 072-0238 (WB)

AECOM

USER NAME = patelp2	DESIGNED - ATB	REVISED -
	CHECKED - CLS	REVISED -
PLOT SCALE = 20.000'/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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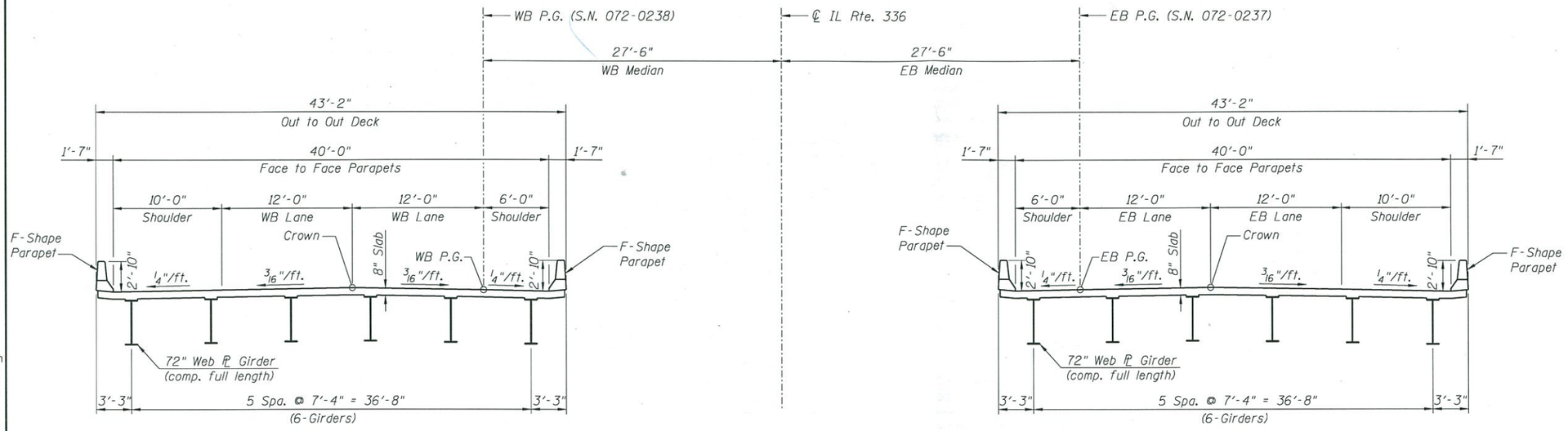
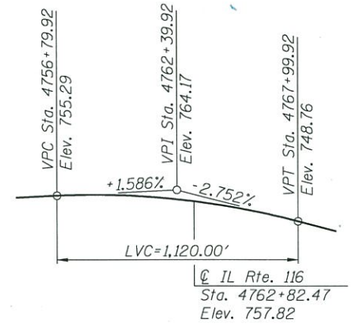
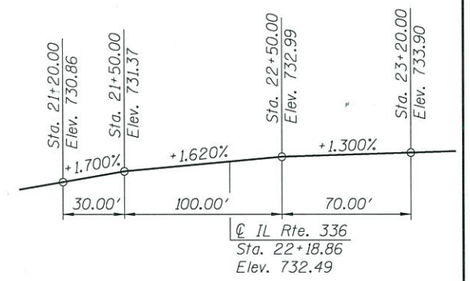


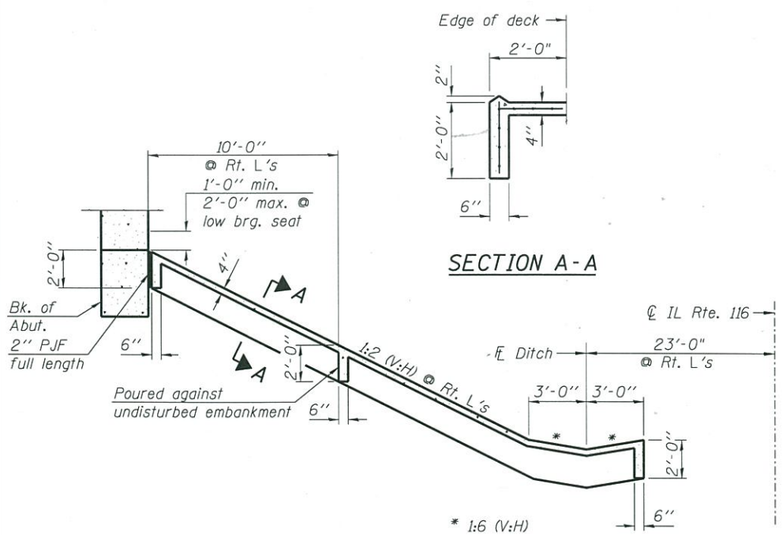
CROSS SECTION
(Looking North)



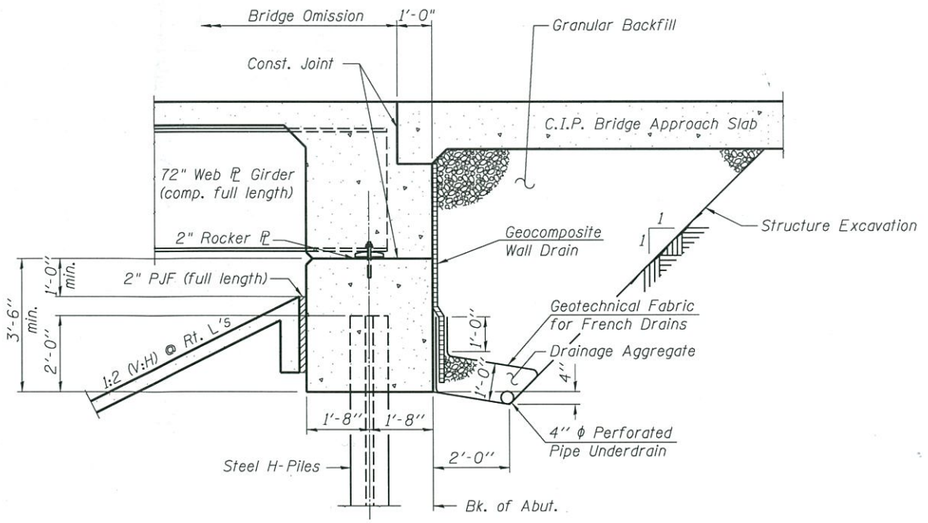
PROFILE GRADE - IL RTE. 336
(along proposed EB & WB P.G.L.)



PROFILE GRADE - IL RTE. 116
(along existing ℄ roadway)



SECTION THRU CONCRETE SLOPEWALL



SECTION THRU INTEGRAL ABUTMENT
(Horiz. dim. @ Rt. L's)

APPROVED

MAR 17 2015

AS A BASIS FOR PREPARATION OF DETAILED PLANS

DETAILS
IL RTE. 336 OVER IL RTE. 116
F.A.P. RTE. 315 - SEC. 72-1
PEORIA COUNTY
STATION 4762+82.47
STRUCTURE NO. 072-0237 (EB)
STRUCTURE NO. 072-0238 (WB)

AECOM	USER NAME = patelp2	DESIGNED - ATB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
		CHECKED - CLS	REVISED -		
	PLOT SCALE = 20.0000'/IN.	DRAWN - DLC	REVISED -		
	PLOT DATE = 3/2/2015	DATE - 03/02/15	REVISED -		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		

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