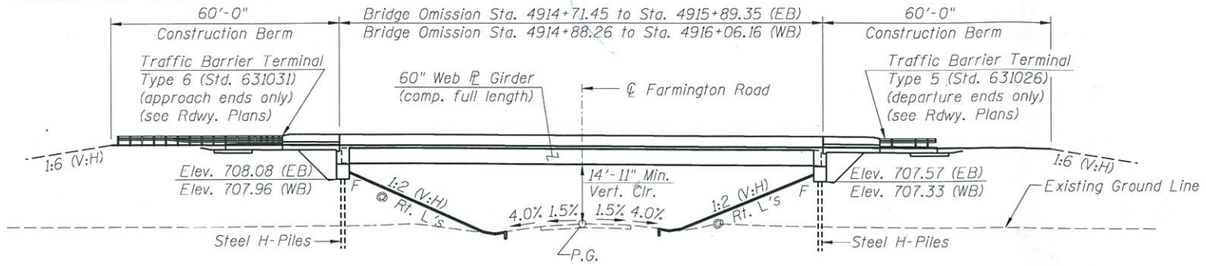
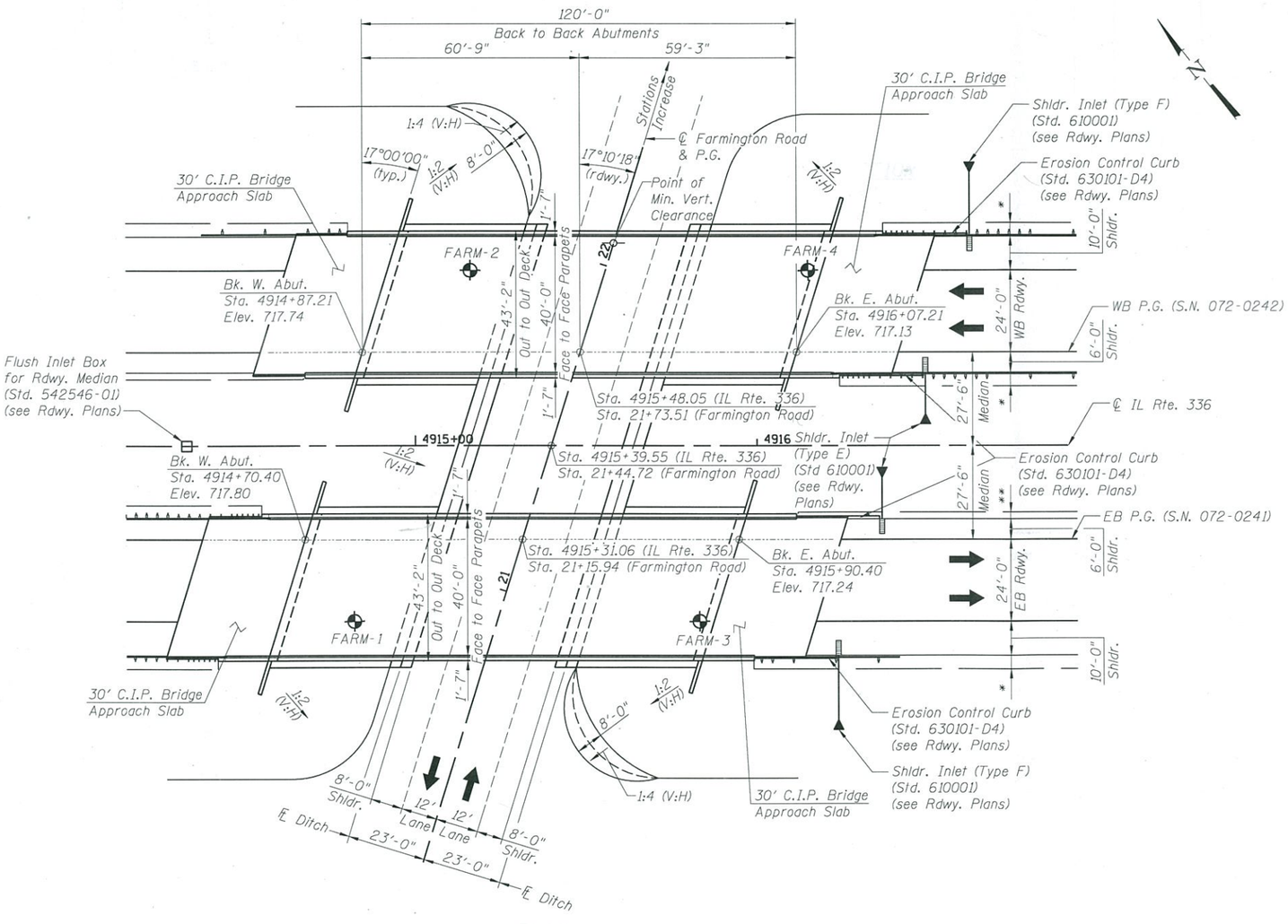
Bench Mark: CB-21, chiseled square on headwall of 2'x2' culvert on South side of Farmington Road, ±0.4-mile East of the intersection with Christ Church Road, Elev. 693.217 (NAVD 88).

Existing Structure: None

Traffic Control: Farmington Road 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)	Farmington Road
Functional Class: Freeway	Functional Class: Minor Collector
ADT: 7,700 (2015); 9,400 (2035)	ADT: 3,700 (2015); 1,500 (2035)
ADTT: 770 (2015); 940 (2035)	ADTT: 370 (2015); 150 (2035)
DHV: 1,030 (2035)	DHV: 150 (2035)
Design Speed: 70 m.p.h.	Design Speed: 60 m.p.h.
Posted Speed: 65 m.p.h.	Posted Speed: 50 m.p.h.
Two-Way Traffic	Two-Way Traffic
Directional Distribution: 50:50	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)

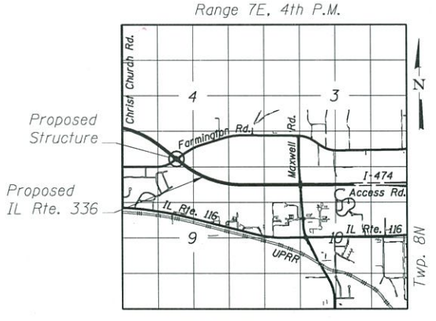
SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.112g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.174g
Soil Site Class = D

SETTLEMENT DATA

According to settlement calculations in the Structure Geotechnical Report, 15.0 inches of settlement is predicted to occur under proposed approach embankments. Wick drains will be utilized for the approach embankments providing a T90 time of 1 to 3 months (see Rdwy. Plans for details).

Range 7E, 4th P.M.



LOCATION SKETCH

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

GENERAL PLAN & ELEVATION
IL RTE. 336 OVER FARMINGTON ROAD
F.A.P. RTE. 315 - SEC. 72-1
PEORIA COUNTY
STATION 4915+39.55
STRUCTURE NO. 072-0241 (EB)
STRUCTURE NO. 072-0242 (WB)

AECOM

USER NAME = dabezicd	DESIGNED - PJL	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. 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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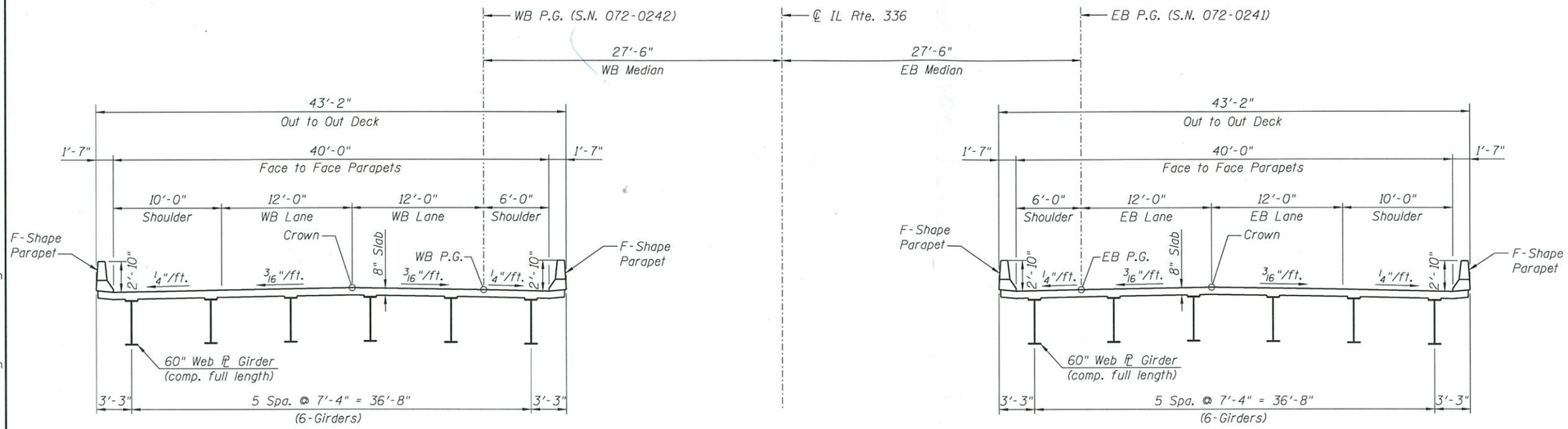
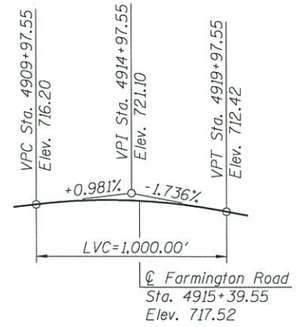
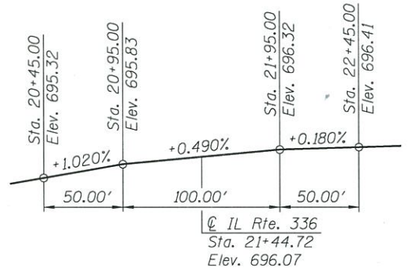


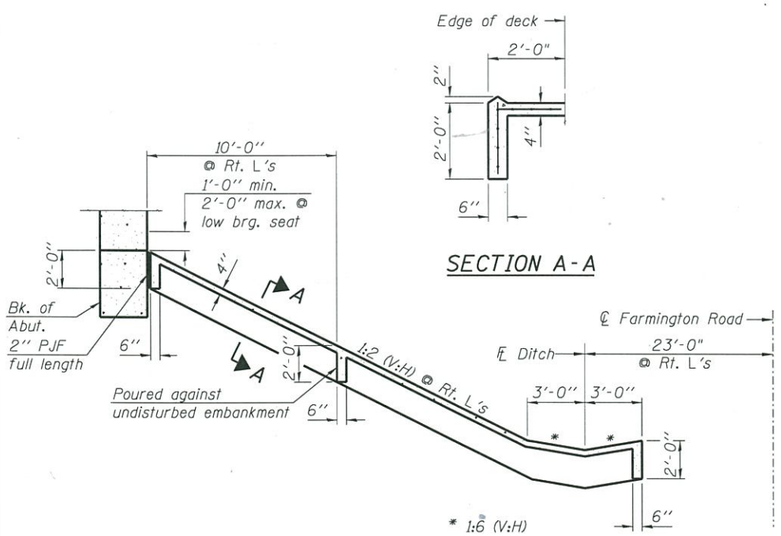
CROSS SECTION
(Looking East)



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

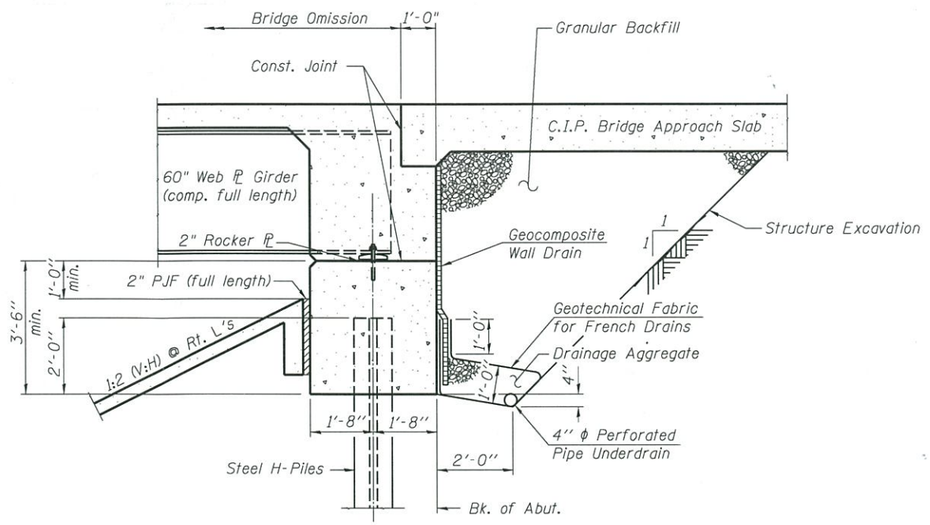


PROFILE GRADE - FARMINGTON ROAD
(along existing ℄ roadway)



SECTION A-A

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 FARMINGTON ROAD
F.A.P. RTE. 315 - SEC. 72-1
PEORIA COUNTY
STATION 4915+39.55
STRUCTURE NO. 072-0241 (EB)
STRUCTURE NO. 072-0242 (WB)

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AECOM

USER NAME = patelp2	DESIGNED - PJL	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			