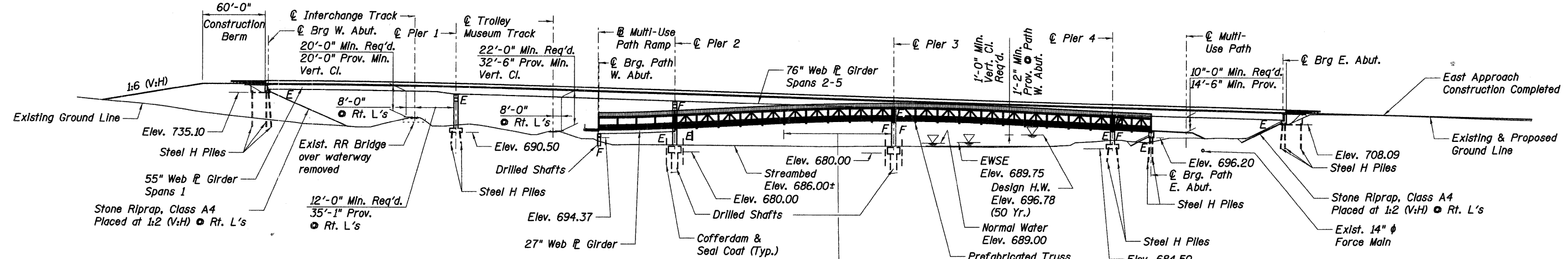


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-20-BR	KANE	320	106
STA. 511+80.00		TO STA. 609+14.92		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
		SHEET NO. 51 OF 5108		

Bench Mark BM-19: "Aluminum Disk" set in concrete, 0.10± mile south of Gilbert St. on east side of IL 25 4' ± from split rail fence. Elev. 724.23.
 Bench Mark BM-22: "Chiseled Box Cut" set at the top of concrete bridge headwall, at the NE corner of bridge at the SE corner of Stearns Road and Dunham Road. Elev. 767.36.
 No Freefall deckdrains will be permitted in the span over the tracks or within 10' of cross arms of a railroad pole line.
 Existing Structure: None



DESIGN SCOUR ELEVATION TABLE

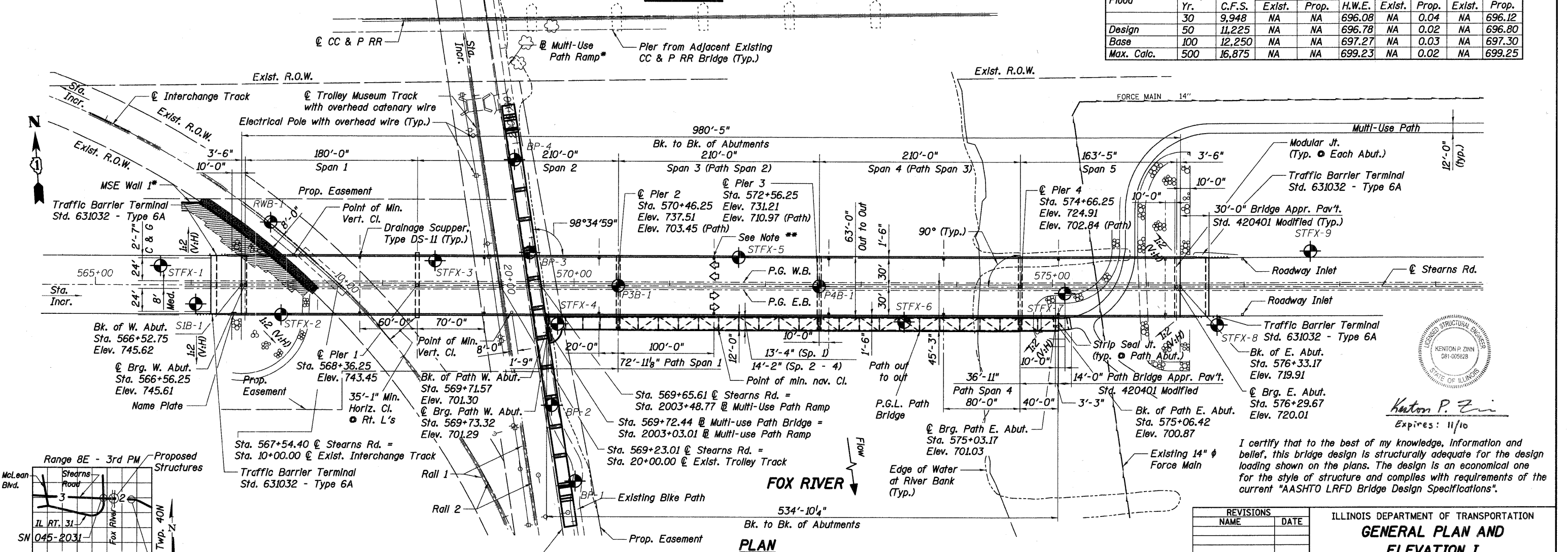
Design Scour Elevation (ft.)	W. Abut.	Pier 1	Pier 2	Pier 3	Pier 4	E. Abut.
	735.10	695.50	678.30	678.30	678.00	708.09

WATERWAY INFORMATION

Drainage Area = 1,517 Sq. Mi.

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exlst.	Prop.		Exlst.	Prop.	Exlst.	Prop.
Design	30	9,948	NA	NA	696.08	NA	0.04	NA	696.12
Base	50	11,225	NA	NA	696.78	NA	0.02	NA	696.80
Max. Calc.	100	12,250	NA	NA	697.27	NA	0.03	NA	697.30
	500	16,875	NA	NA	699.23	NA	0.02	NA	699.25

ELEVATION



PLAN

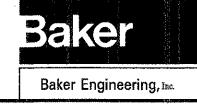


Kenton P. Zini
 Expires: 11/10

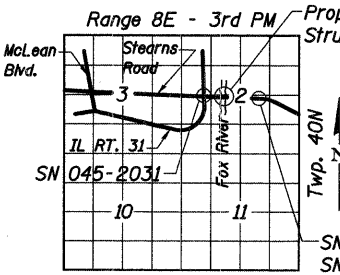
I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Bridge Design Specifications".

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN AND ELEVATION I
 STEARNS ROAD OVER THE FOX RIVER
 STRUCTURE NUMBER 045-3166 PUBLIC WATERS
 KANE COUNTY FAP 361 SECTION 06-00214-20-BR
 STATION 571+42.96 DESIGNED: DFM DRAWN: DFM
 DATE: JANUARY 16, 2009 CHECKED: KPZ CHECKED: KPZ



LOCATION SKETCH



Denotes Soil Boring * See Sheet S56 of S108 for MSE Wall 1 and Sheet S16 of S108 for Multi-Use Ramp
 ** Enclosed Drainage System Over River

H:\005\3.0 Phase 1\deliverables\3.3 structure\Drawings\Final\045-3166 GPR&E.dgn 2/26/2009