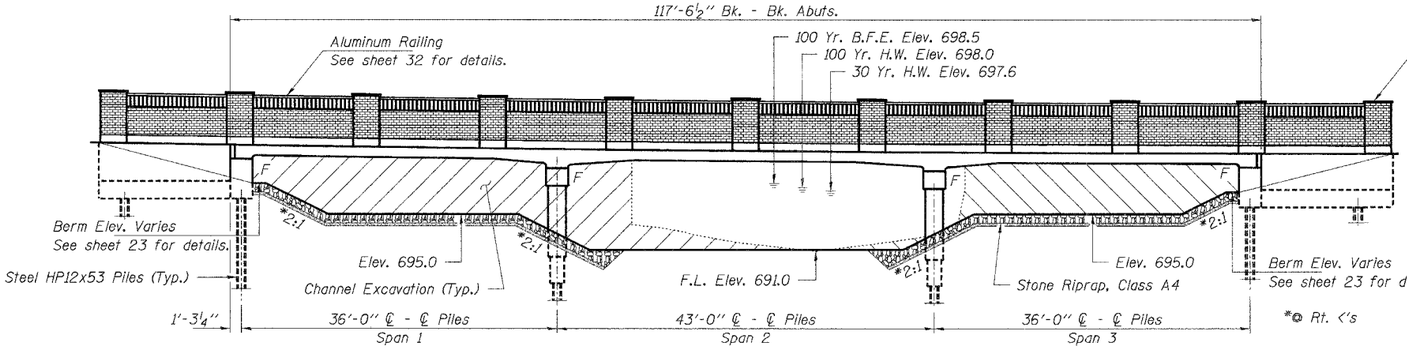
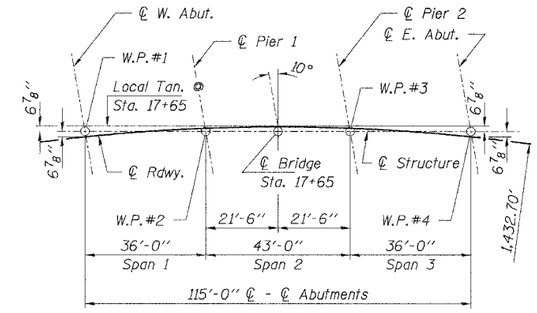
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14	99-00076-11-BR	LAKE	66	21
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

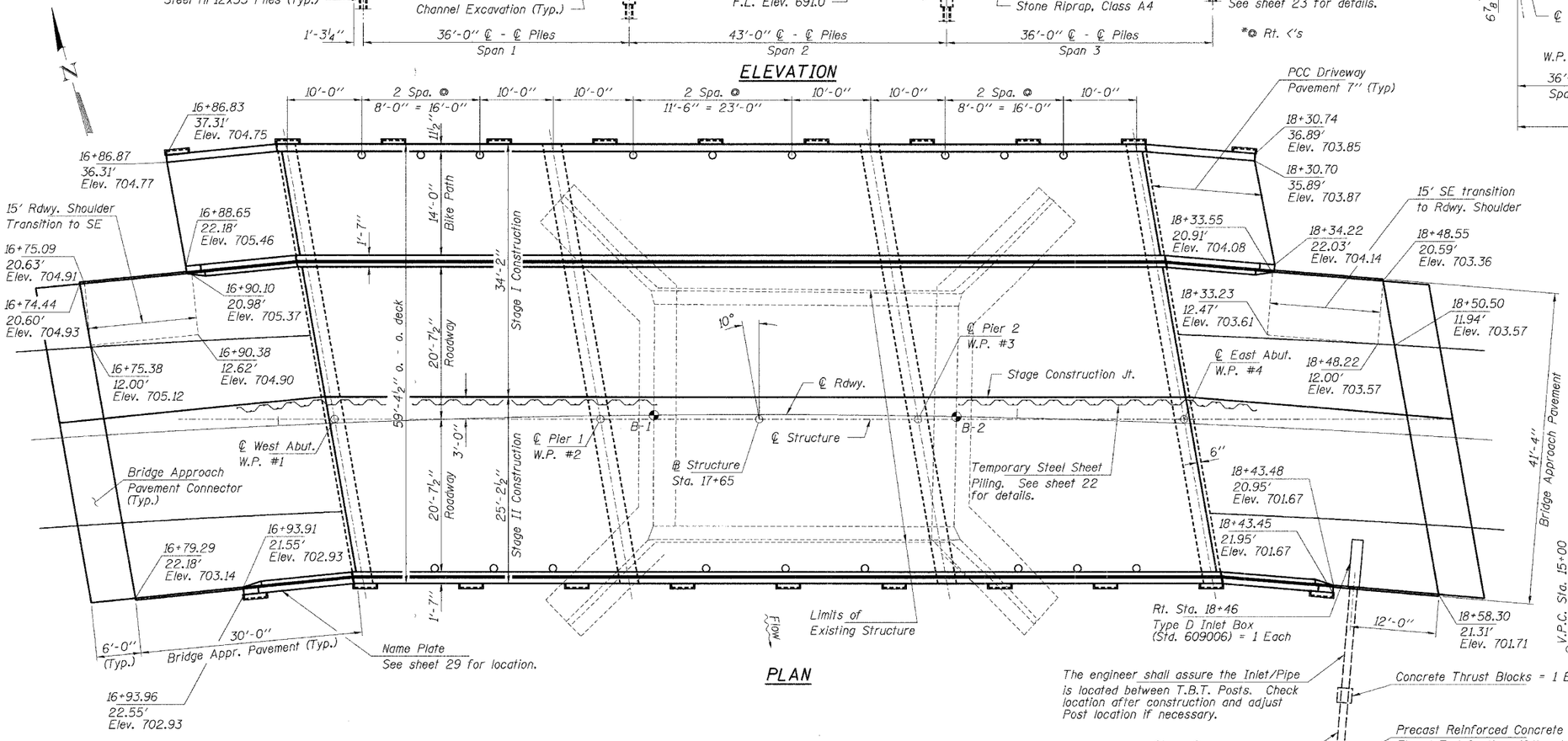
CONTRACT NO: 83763



ELEVATION



OFFSET SKETCH



PLAN

PROFILE GRADE
(Along ℄ of Roadway)

Note: Elevations shown in PLAN are to top of slab.

CURVE DATA

P.I. Sta. 17+12.00
Δ = 18° 56' 05" (Rt)
D = 4° 00' 00"
T = 238.91'
R = 1,432.70'
L = 473.47'
E = 19.78'
P.C. Sta. 14+73.09
P.T. Sta. 19+46.56
S.E. = 0.056 ft/ft
Transition in 124 ft.
From Sta. 13+46.02 to Sta. 15+14.42
From Sta. 19+05.23 to Sta. 20+73.63

DESIGN STRESSES

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
n = 8
Loading HS 20-44
Design Specifications: 2002 AASHTO & all applicable interims.
50#/Sq. Ft. included in dead load for future wearing surface.

LOAD FACTOR DESIGN

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.04g
Site Coefficient (S) = 1.5

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

Steven W. Megginson 5-26-05
ILLINOIS STRUCTURAL NO. 6064

STEVEN W. MEGGINSON 6064 LICENSED STRUCTURAL ENGINEER OF SPRINGFIELD, ILLINOIS
Expires 11-30-06

HLR
Rice, Berry and Associates
A Division of Hampton, Lenzini and Renwick, Inc.
Civil & Structural Engineers
801 S. Durkin Drive
Springfield, Illinois 62704
217-546-3400
P.O. Box 1036
DuQuoin, Illinois 62832
618-790-4637
Account Number 12-07-0043-1
Date: 05/23/05
DESIGNED: S.M.S. | CHECKED: S.W.M. | DRAWN: D.B.

GENERAL PLAN AND ELEVATION

MILLBURN ROAD / CH 14
SECTION 99-00076-11-BR
LAKE COUNTY
STATION 17+65

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