

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	90-11VB	TAZEWELL	1366	389
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

B. M. #29 : Chiseled "+" on S.E. cap bolt of fire hydrant surrounded by four red steel posts, 61 m "+" north of northwest corner Hagerty Bros. Steel Warehouse and 46 m S.E. of United Facilities Warehouse. Elev. 140.406

Existing Structure : S. N. 090-0005 is three span bridge built as F.A.I. Rte. 74, Section (90-11VB) in 1958. The superstructure consists of a R.C. deck 55.1 m long by 9.68 to 11.353 m wide supported on wide flange steel stringers. Remove Existing Structure. No salvage.

Staging Note : Westbound and Eastbound traffic will be maintained on the new Eastbound structure while the existing Westbound structure is removed and replaced. At the end of Westbound structure construction Westbound traffic will be shifted back to the new Westbound structure.

DESIGN SPECIFICATIONS

1996 AASHTO W/1997, 1998 & 1999 Interims

LOADING MS18 & ALT.

Allow 2.4 kN/m² for future wearing surface.

DESIGN STRESSES

FIELD UNITS

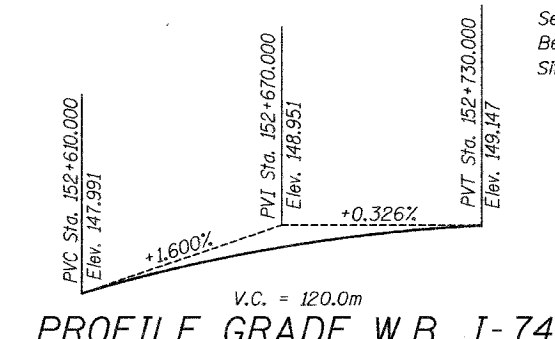
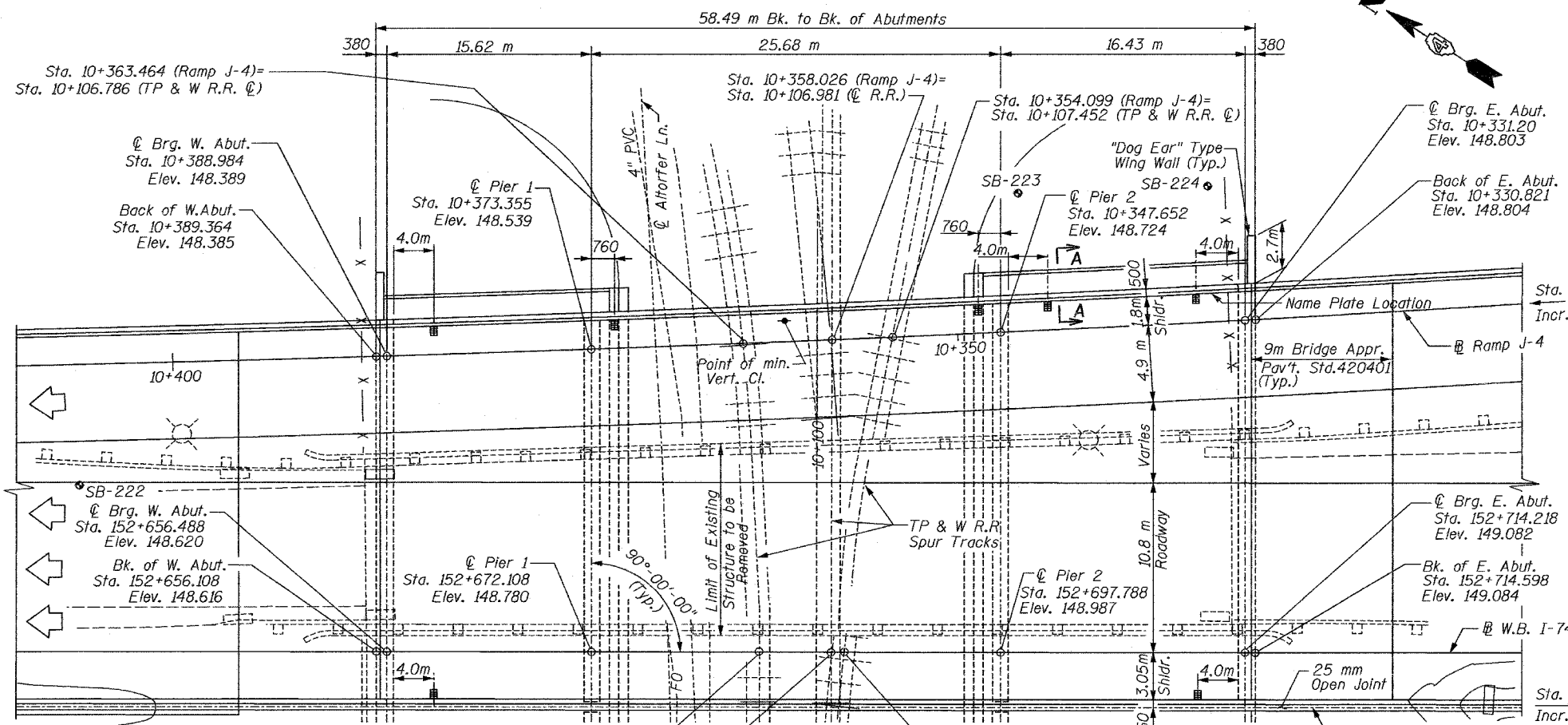
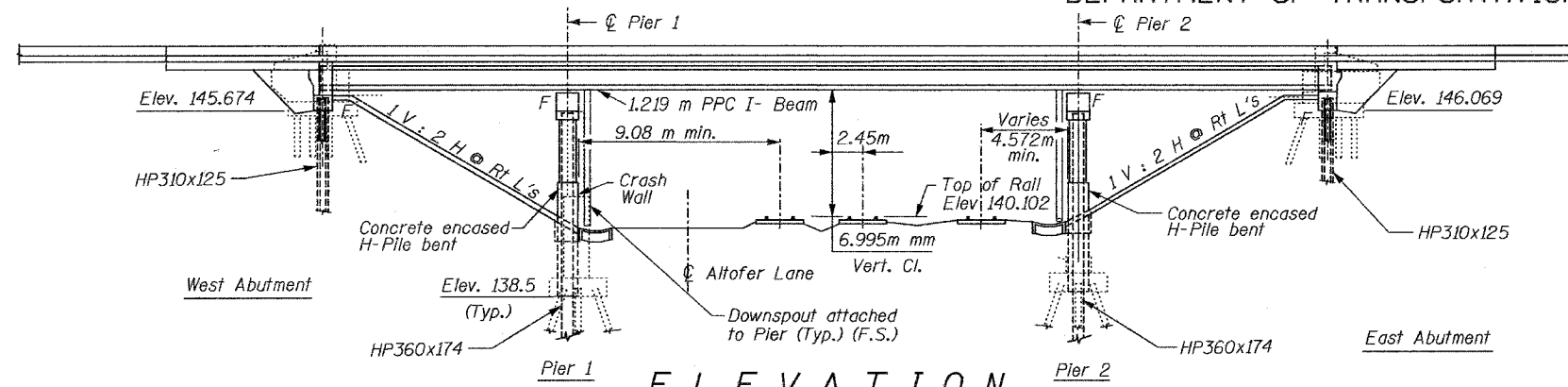
f'c = 24 MPa
f'y = 400 MPa (Reinf.)

PRECAST PRESTRESSED UNITS

f'c = 42 MPa
f'ci = 35 MPa
f's = 1,860 MPa (12.7 mm φ low lax. strands)
f'si = 1,395 MPa (12.7 mm φ low lax. strands)

SEISMIC DATA

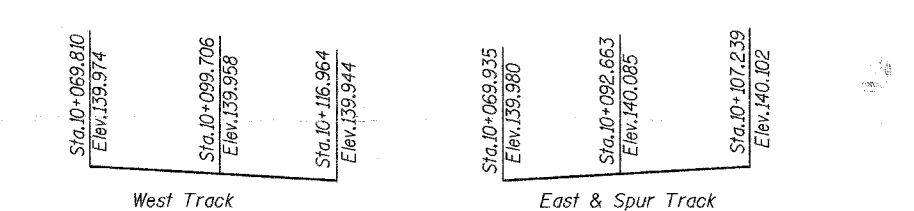
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.043g
Site Coefficient(S) = 1.0



STATION 152+685.353
BUILT 200_ BY
STATE OF ILLINOIS
F.A.I. RTE. 74 SEC. (90-11VB)BR
LOADING MS18 & ALT.
STRUCTURE NO. 090-0159

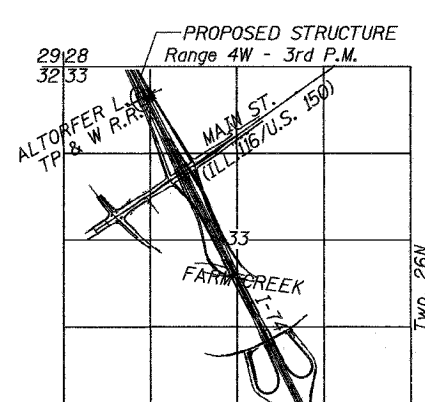
NAME PLATE

See Std. 515001

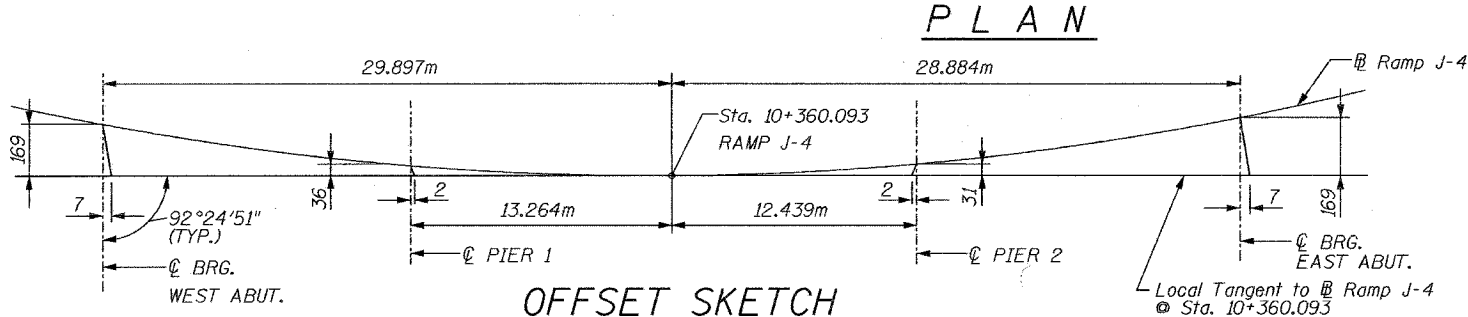


CURVE DATA

RAMP J-4	WEST TRACK	SPUR TRACK
Δ = 5°46'11"	Δ = 16°32'35"	Δ = 4°39'44"
R = 2465.300 m	R = 122.146 m	R = 370.570 m
T = 124.234 m	T = 17.757 m	T = 15.085 m
L = 248.258 m	L = 35.267 m	L = 30.153 m
E = 3.128 m	E = 1.284 m	E = 0.307 m
PC = 10+166.422	PC = 10+099.774	PC = 10+092.673
PI = 10+290.656	PI = 10+117.408	PI = 10+107.750
PT = 10+414.680	PT = 10+135.041	PT = 10+122.827



NOTE
The spur Tracks Begin at Mile Post 109.5 on the T.P. & W.R.R. Main Tracks.



Note:
Spur tracks begin at Mile Post 109.5 on the TP&W R.R. Main Tracks. For Section A-A, see Sheet 3 of 33.
All dimensions are in millimeters (mm) except as noted.
All stations and elevations are in meters (m).

DANNY L. CHILTON
Illinois Structural No. 4045
Date: 12/02/04



GENERAL PLAN AND ELEVATION			
Date	Designed JML	INTERSTATE 74 AND RAMPS J-4 OVER ALTORFER LANE AND TP&W R.R. F.A.I. RTE. 74 SECTION (90-11VB)BR TAZEWELL COUNTY STATION 152+685.353 STRUCTURE NO. 090-0159 (WB)	Sheet No.
Revisions	Drawn JEH		1
	Checked RME		of 33
	Approved DLC		URS Job No. 2100001243.02
Date: 7-21-04			