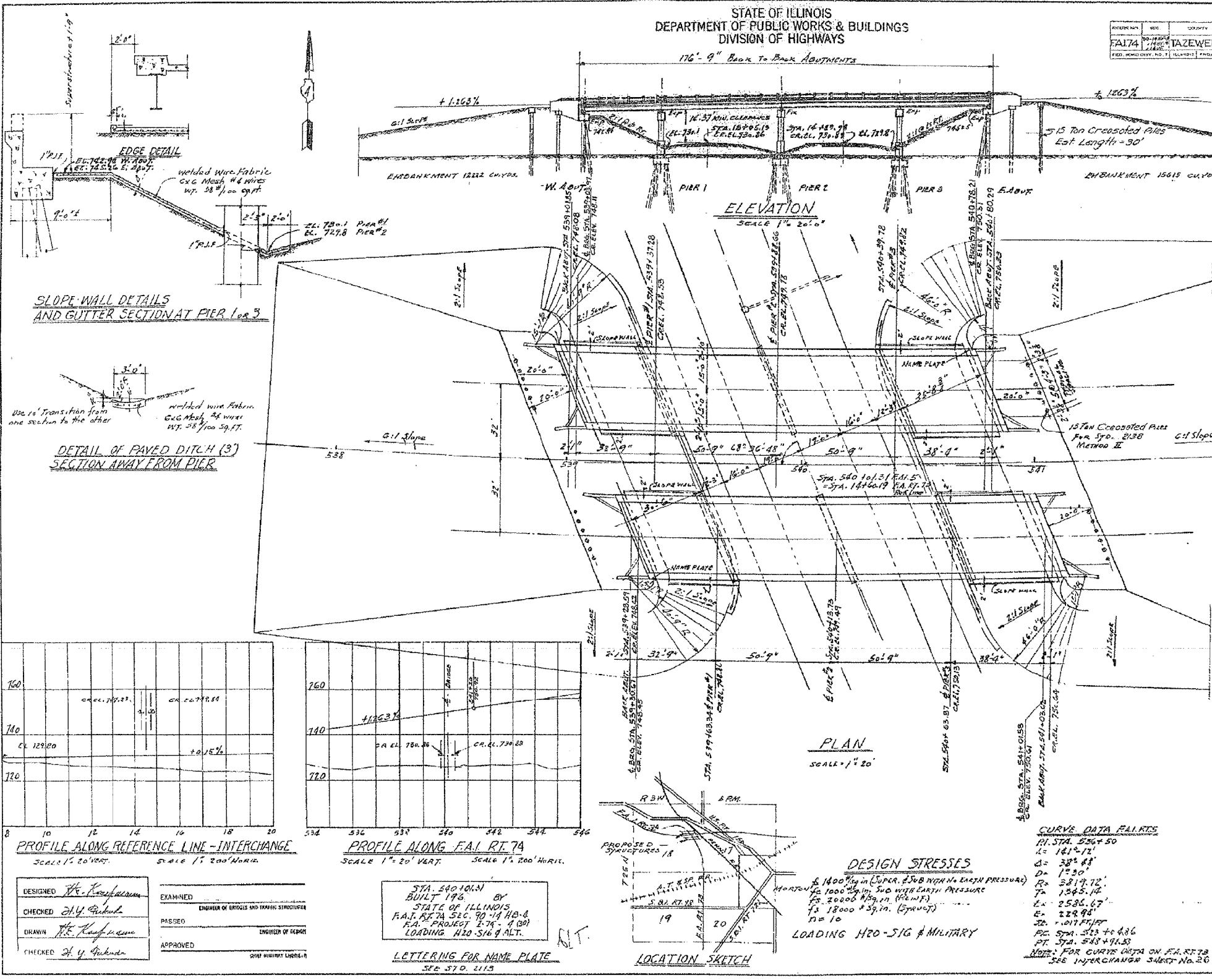


STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA174	90-14	TAZEWELL	19	11

ROUTE NO.	SEC.	COUNTY	STATION	SHEET NO.
FA 174	90-14	TAZEWELL	89	30



GENERAL NOTES

Class X Concrete shall be used throughout except as noted.

The Concrete Floor shall be finished in accordance with applicable provisions of Article 31.19 of the Standard Specifications and shall be poured in one continuous operation between joints of construction joints shown.

All curbs and slab outside of longitudinal bonded construction joint shall be poured monolithically.

All anchors, bearing plates, wood plates, girdes and anchor bolts shall be fabricated and set in accordance with Article 31.15 of the Standard Specifications and are included in quantities of Structural Steel. Estimated Weight 21,400 Lbs.

Metal handrail posts shall be vertical.

Except as otherwise noted, all structural steel and metal handrail shall receive one (1) shop coat of red lead paint and two (2) field coats of aluminum paint. See Article 31.1 through 31.5 inclusive of the Standard Specifications. All paint shall be furnished and applied by the Contractor.

The Contractor shall drive two Reinforced Concrete Test Piles of permanent locations, one in West Abutment Right and one in East Abutment Left as directed by the Engineer before casting the remainder of the piles.

The Contractor shall drive two Sinker Test Piles, one near Pier #1 Left and one near Pier #2 Right as directed by the Engineer before casting the remainder of the piles.

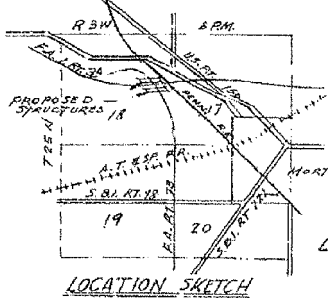
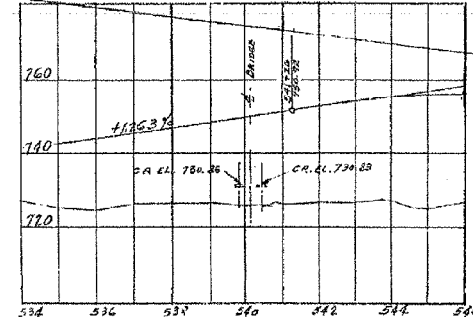
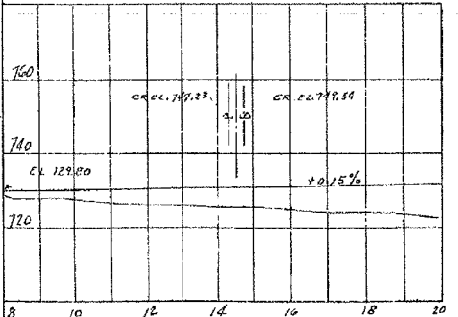
Unless otherwise shown on the plans, reinforcement bars shall be lapped 24 bar diameters, but not less than 18 inches.

TOTAL BILL OF MATERIAL SEC. 90-14 HB-4

ITEM	SUPER ST	SUB ST	TOTAL
FURNISHING STRUCTURAL STEEL LBS.	293740		293740

TOTAL BILL OF MATERIAL SEC. 90-14 HB-4

ITEM	SUPER ST	SUB ST	TOTAL
CL X Concrete	336.0	514.5	850.5
REINFORCEMENT BARS LBS.	87,850	48,620	136,470
Structural Steel LBS.	293740		293740
Furnishing B. Cropping			
Metal Handrail	762		762
Furnishing Conc. Piles		490	490
Driving Conc. Piles		490	490
Furnishing Creosoted Piles		3960	3960
Driving Timber Piles		3960	3960
TEST PILES (CONC)	2		2
TEST PILES (TIMBER)	2		2
Slope Wall		228	228
Paved Ditch 5'		128	128
CC's & Encasement For Spring Cases		192	192
Name Plates	2		2



DESIGN STRESSES

1400 lbs in Super. 2300 HIGH IN EARTH PRESSURE

1000 lbs in Sub. 2000 HIGH IN EARTH PRESSURE

15 2000 lbs in (H.W.F.)

15 1800 + 57 in. (Synch)

n = 10

LOADING H2O - SIG & MILITARY

CURVE DATA FAIRIES

R1 STA. 526+50

Δ = 141° 17'

d = 38' 88"

D = 1° 30'

R = 5819.72'

T = 1345.14'

L = 2586.67'

E = 222.94'

Δ = 101° 17' 11"

PC STA. 513 + 4.86

PT STA. 548 + 91.83

NOTE: FOR CURVE DATA ON F.A. RT. 74 SEE INTERCHANGE SUBJECT No. 20

090-0012 & 090-0013

GENERAL PLAN & ELEVATION

F.A.I. ROUTE 74 - SECTION 90-14 HB-4

F.A.I. ROUTE 74 OVER F.A. ROUTE 73

STATION 540+01.31

TAZEWELL, COUNTY

WARREN AND VAN PRAAG, INC.

CONSULTING ENGINEERS - DECATUR, ILLINOIS

DESIGNED: H.E. Kaufmann
CHECKED: H.Y. Gubler
DRAWN: H.E. Kaufmann
CHECKED: H.Y. Gubler

EXAMINED: _____
PASSED: _____
APPROVED: _____

ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
ENGINEER OF DESIGN
CHIEF HIGHWAY ENGINEER

STA. 540+01.31
BUILT 1966
BY
STATE OF ILLINOIS
F.A.I. RT. 74 SEC. 90-14 HB-4
F.A.I. PROJECT 0-74 - 4 (00)
LOADING 1120 S16.9 ALT.

LETTERING FOR NAME PLATE
SEE 370, 413

FOR INFORMATION ONLY



FILE NAME =	USER NAME = mbecker	DESIGNED - MFB	REVISED -
0900165.68620.38.exist1.dgn		CHECKED - MRB	REVISED -
		PLOT SCALE =	REVISED -
		PLOT DATE = 7/16/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 090-0165 / 0166
SHEET NO. SA38 OF SA47 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-14R(14HB-4,14,14HBV)BRJ	TAZEWELL	2433	1902
			CONTRACT NO. 68620	
ILLINOIS FED. AID PROJECT				

10:54:28 AM x:\10000s\10056\engineer\ing-documents\phase-1\1550ver174\final\0900165.68620.38.exist1.dgn 7/16/2012