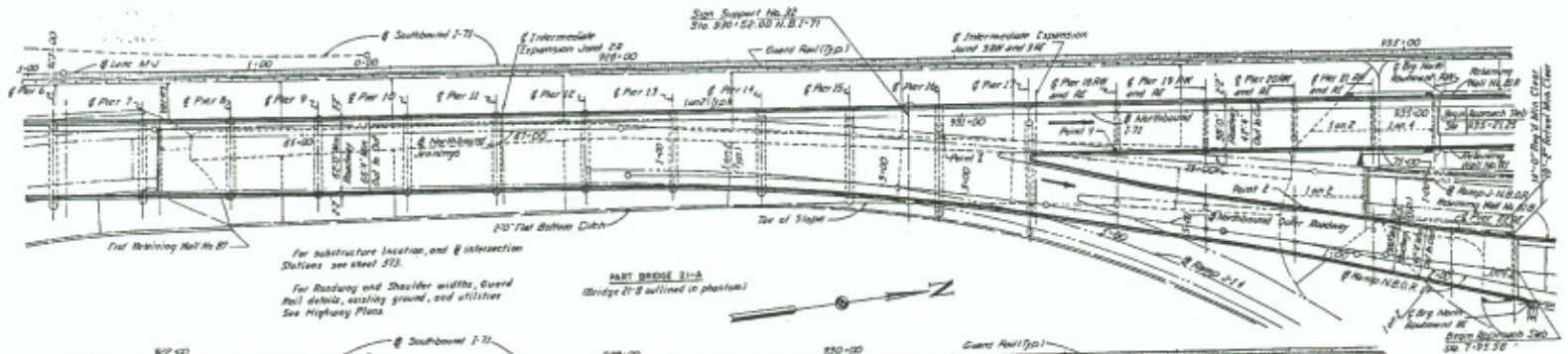
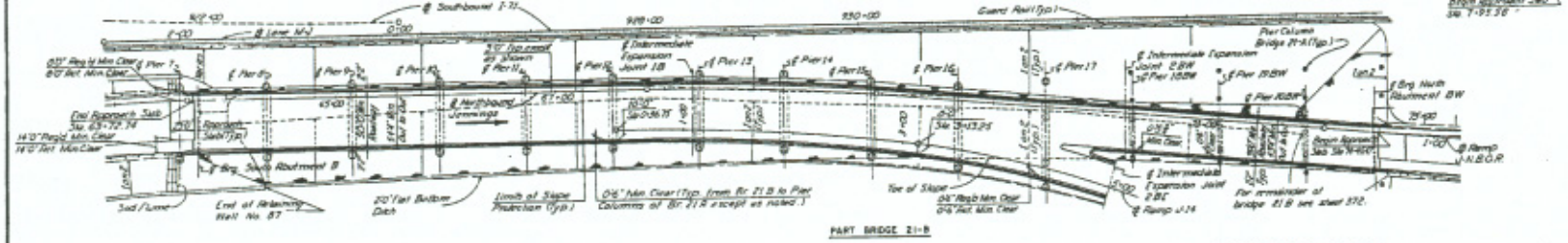
DIVISION	STATE	PROJECT	
2	OHIO		

CUYAHOGA COUNTY
CUY-71-17.83
CUY-176-12.76



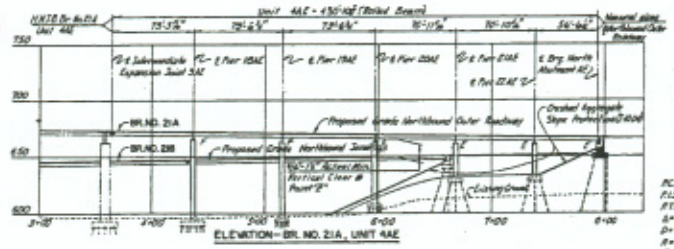
PART BRIDGE 21-A
(Bridge 21-B outlined in phantom)



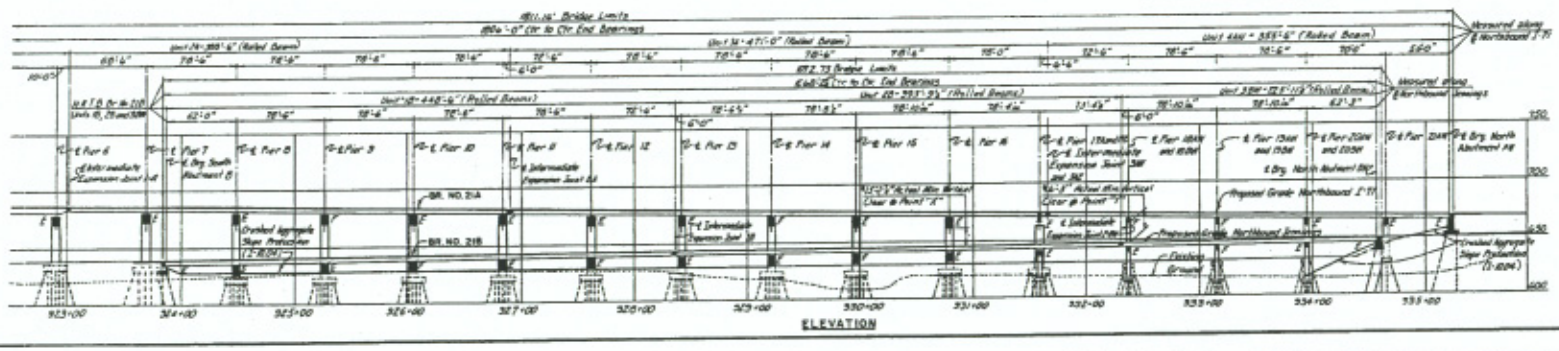
PART BRIDGE 21-B

PART PLAN
Section taken below Bridge 21-A

PROFILE-NORTHBOUND JENNINGS
Scale: Hor. 1" = 200'
Vert. 1" = 20'



ELEVATION - BR. NO. 21A, UNIT 4AE



ELEVATION

CURVE DATA

RAMP 14-S & O.B.
P.C. Sta. 4+04.41
P.I. Sta. 7+77.18
P.T. Sta. 11+08.42
Δ = 46° 34' 56"
D = 6° 37' 00" Lt
R = 865.93'
T = 372.76'
L = 704.00'
E = 76.83'

SOUTHBOUND OUTER ROADWAY
P.C. Sta. 32+30.74
P.I. Sta. 56+22.27
P.T. Sta. 39+61.14
Δ = 57° 07' 41"
D = 7° 00' 00" Lt
R = 818.51'
T = 391.53'
L = 730.40'
E = 88.82'

LANE M-J
P.C. Sta. 2+70.62
P.I. Sta. 7+78.42
P.T. Sta. 12+17.23
Δ = 52° 03' 49"
D = 5° 30' 00" Lt
R = 1041.74'
T = 508.81'
L = 946.61'
E = 117.62'

RAMP N.B.O.R.-14
P.C. Sta. 0+00.00
P.I. Sta. 0+59.81
P.T. Sta. 1+19.60
Δ = 2° 39' 24"
D = 2° 30' 00" Rt
R = 2,291.83'
T = 53.81'
L = 119.60'
E = 0.78'

NORTHBOUND I-71
P.C.C. Sta. 910+45.18
P.I. Sta. 915+06.69
P.C.C. Sta. 919+38.10
Δ = 35° 43' 01"
D = 4° 00' 00" Lt
R = 1,432.39'
T = 461.50'
L = 892.92'
E = 72.52'

P.C.C. Sta. 919+38.10
P.I. Sta. 921+59.77
P.T. Sta. 923+80.96
Δ = 6° 29' 43"
D = 1° 28' 00" Lt
R = 3,906.53'
T = 221.66'
L = 442.86'
E = 6.28'

NORTHBOUND OUTER ROADWAY
P.C. Sta. 0+00.00
P.I. Sta. 1+87.71
P.T. Sta. 3+74.58
Δ = 9° 21' 53"
D = 2° 30' 00" Rt
R = 2,291.83'
T = 187.71'
L = 374.58'
E = 7.67'

P.C. Sta. 6+79.92
P.I. Sta. 13+04.74
P.T. Sta. 17+18.04
Δ = 20° 45' 45"
D = 2° 00' 00" Lt
R = 2,864.79'
T = 524.82'
L = 1,038.12'
E = 47.68'

SOUTHBOUND I-71
P.C.C. Sta. 910+65.79
P.I. Sta. 915+72.64
P.C.C. Sta. 920+56.64
Δ = 29° 43' 32"
D = 3° 00' 00" Lt
R = 1,909.86'
T = 506.86'
L = 990.85'
E = 66.11'

P.C.C. Sta. 920+56.64
P.I. Sta. 923+17.93
P.T. Sta. 925+78.44
Δ = 7° 39' 11"
D = 1° 28' 00" Lt
R = 3,906.52'
T = 261.28'
L = 521.80'
E = 8.73'

NORTHBOUND JENNINGS
P.C. Sta. 53+40.26
P.I. Sta. 58+95.63
P.T. Sta. 63+61.93
Δ = 50° 45' 01"
D = 5° 00' 00" Rt
R = 1,145.92'
T = 535.37'
L = 1,001.67'
E = 118.89'

P.C. Sta. 67+82.31
P.I. Sta. 68+88.97
P.T. Sta. 69+95.67
Δ = 5° 19' 44"
D = 2° 30' 00" Rt
R = 2,291.83'
T = 106.66'
L = 213.16'
E = 2.48'

P.C. Sta. 74+02.90
P.I. Sta. 79+15.83
P.T. Sta. 84+23.67
Δ = 15° 17' 47"
D = 1° 30' 00" Lt
R = 3,819.72'
T = 512.93'
L = 1,019.77'
E = 34.29'

*Note: 15'-0" Design vertical clearance
Point "X" occurs at north bottom edge of Pier 16 cap beam and west curb line of Br. No. 21B.
Point "Y" occurs at south bottom edge of Pier 18AW cap beam and west curb line of Br. No. 21B.
Point "Z" occurs at west edge of west exterior beam and east curb line of Northbound Jennings Br. No. 21B.

H.N.T.B. BRIDGE NOS. 21A & 21B

HOWARD, NEEDLES, TAMMEN & BERGENDOFF
CONSULTING ENGINEERS
KANSAS CITY CLEVELAND NEW YORK

SITE PLAN

NORTHBOUND I-71 OVER NORTHBOUND JENNINGS, AND NORTHBOUND JENNINGS

BR. NO. CUY-71-1789 R STA. 917+10.09
STA. 935+21.25

CLEVELAND CUYAHOGA COUNTY OHIO

DRAWN J.T.A.B. TRACED DATE 10-8-64 DATE
CHECKED C.R.B. DATE 11-12-64
REVIEWED DATE 11-12-64
REVISED
SHEET 371