
Conrail Delair Bridge Presentation

Delaware Valley Regional Planning Commission

January 17, 2003



Conrail Delair Bridge Update

- Built in 1896
- 4,170 feet long
- Vertical lift movable bridge of unique pin connected truss construction
- 10 mph freight, 30 mph passenger speeds
- 263,000 lb. rating

Conrail Delair Bridge Update

- Only freight access route into South Jersey
- 4 CSXT trains per day
- 4 Norfolk Southern trains per day
- 2 Conrail trains per day
- 28 passenger trains per day
- 12 bridge openings per day

Conrail Delair Bridge Update

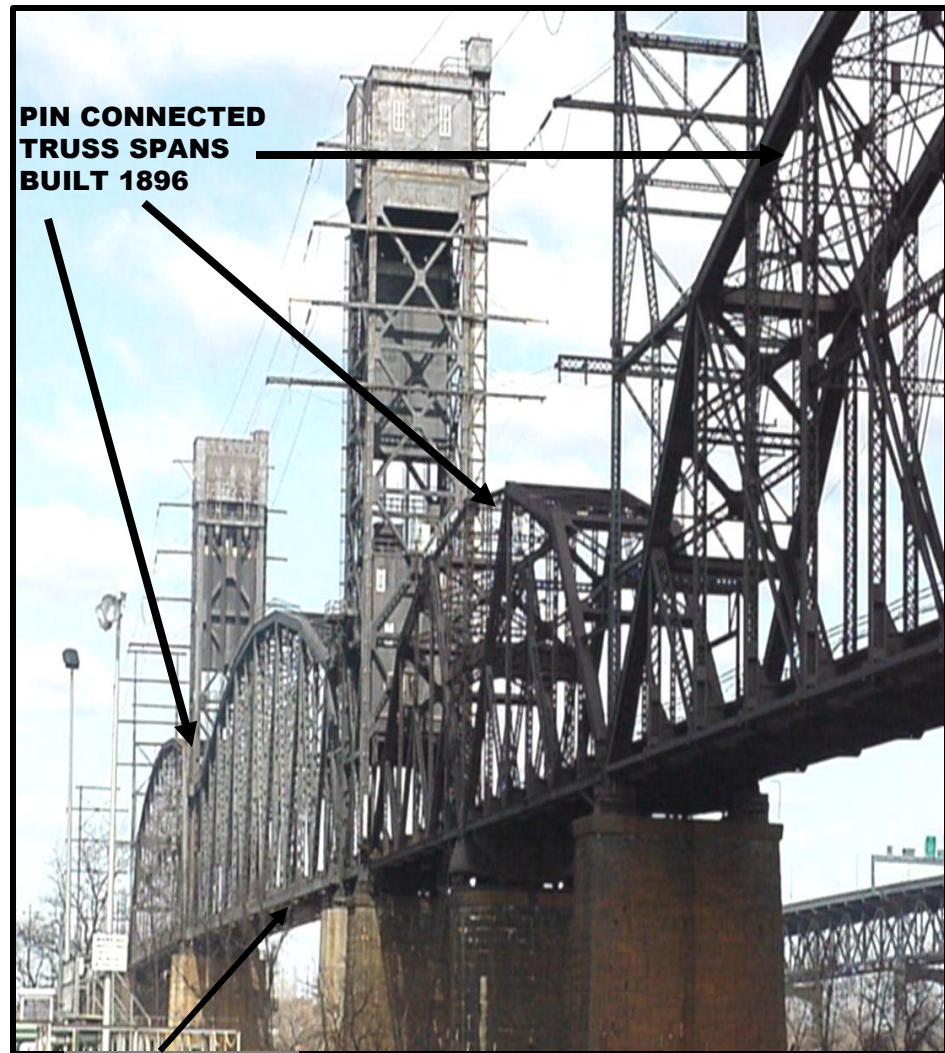
- Reserve fund was established to address reliability concerns with the Delair Bridge
- Structural analysis completed on 9/11/02 determined need for both short term and long term investment
- Short Term – 11 priority repairs to begin in 2003 – funded by the Delair Bridge Reserve Fund
- Long Term – 60 approach spans on the Conrail single track require replacement in 8-10 years – not funded
- 286K is achievable during short term investment

Conrail Delair Bridge Next Steps

- Conrail
 - 286K study of Beesley's Point and Penns Grove Secondary will be completed by Spring 2003
 - Work with NJDOT's Rail Freight Assistance Program on future capacity initiatives in South Jersey

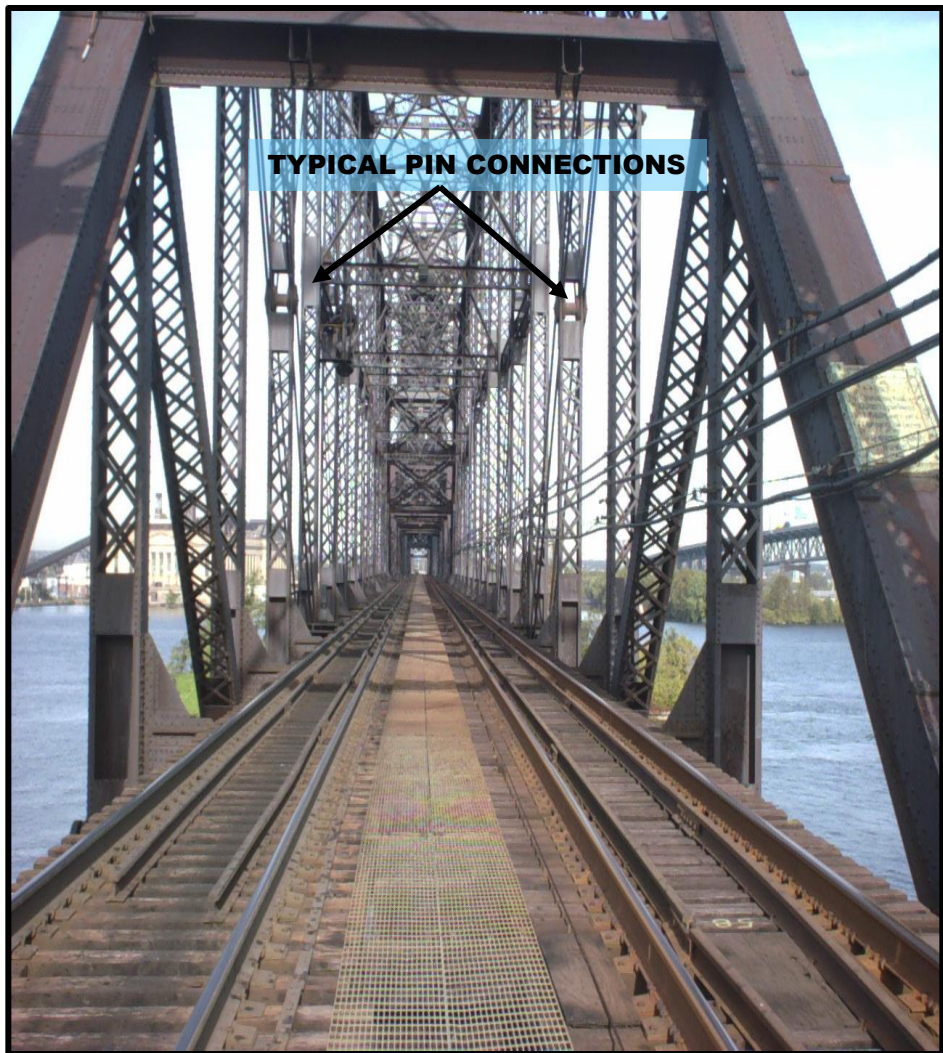
- Norfolk Southern/CSX
 - Develop the priority and timing for specific line capacity upgrades for 286K in South Jersey area

- New Jersey Transit
 - Joint involvement in future planning of capital bridge rehabilitation



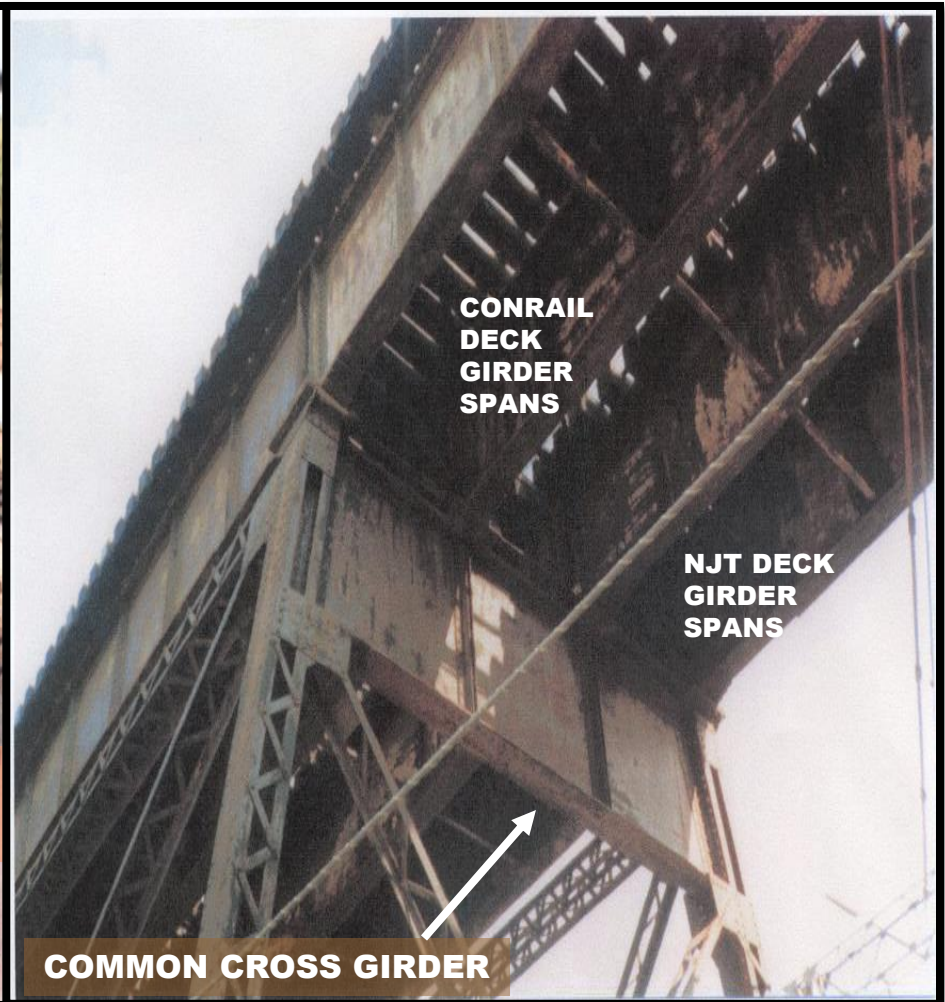
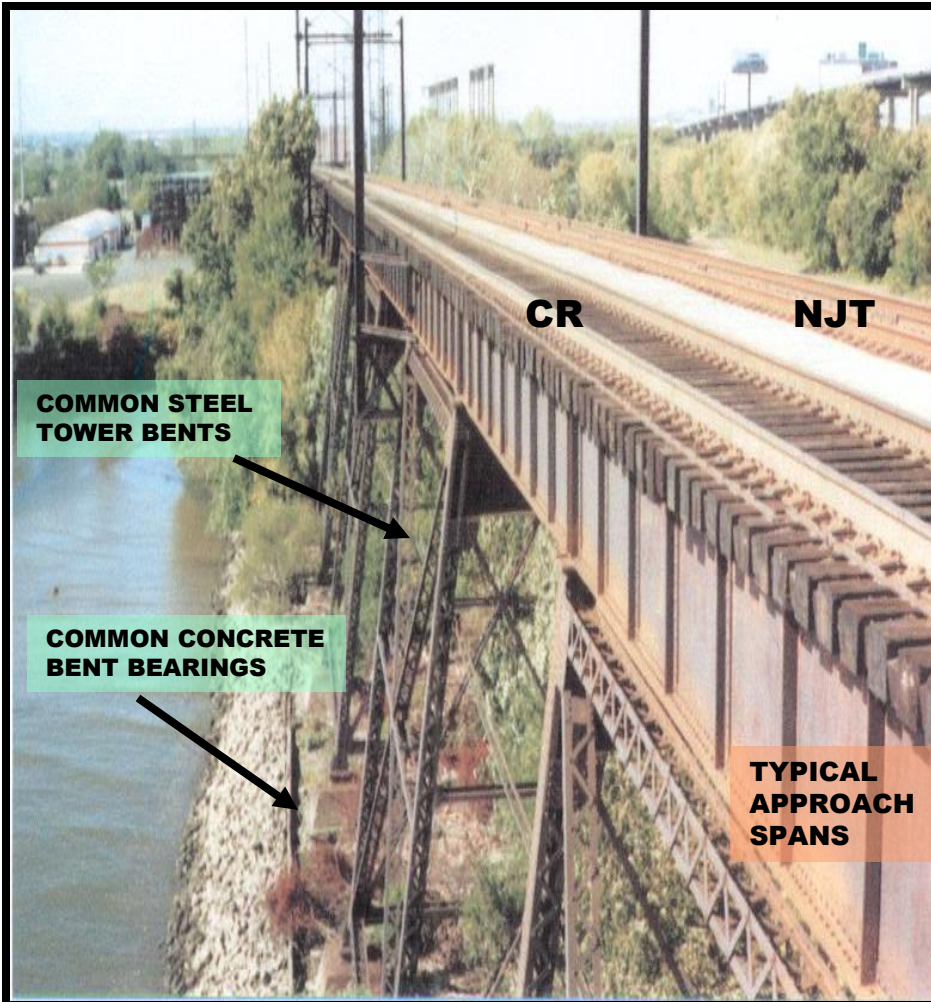
PIN CONNECTED TRUSS SPANS BUILT 1896

LIFT SPAN BUILT 1961



TYPICAL PIN CONNECTIONS

DELAIR MOVABLE BRIDGE TRUSS SPANS



TYPICAL APPROACH SPANS