Section E

Transverse Stiffener

Fascia Girder

Longitudinal Stiffener
Section F
Section G
West Plaza
Inspection and Maintenance

Entire viaduct routinely inspected annually

Fracture critical inspections are performed every 2 years

Maintenance activities requiring closure occurring 2 times a year
Existing Structure Conditions

General Appraisal Rating  4 (Poor Condition)
Operational Status       D (Open, temporarily shored)
Sufficiency Rating       2.0 (On a 0 to 100 rating scale)
Utility Trough Condition 2 (Critical Condition)
General Appraisal and Operational Status 4D
Sufficiency Rating

- Structural Adequacy and Safety (Max = 55): $S_1 = 0$
  - Reduction for Superstructure and Substructure Condition (Max = 55) = 25
  - Reduction for Load Capacity (Max = 55) = 55
    - Inventory and Operating Rating coded as 0 for temporary shoring per ODOT guidance.
    - Otherwise, Inventory Rating = 30 tons, Load Capacity = 3, and $S_1 = 27$.

- Serviceability and Functional Obsolescence (Max = 30): $S_2 = 2$
  - Reduction due to Serviceability (Max = 13) = 13
    - Deck Condition (5), Structural Evaluation (4), Deck Geometry (4), and Approach Road Alignment (2)
  - Reduction due to Roadway Width (Max = 15) = 15

- Essentaility for Public Use (Max = 15): $S_3 = 0$

- Special Reductions (Max = 13): $S_4 = 0$

- Sufficiency Rating: $SR = S_1 + S_2 + S_3 - S_4 = 2$
Utility Trough Condition - 2 (Critical)
Utility Trough – Supplemental Watermain Support
Preliminary Design