

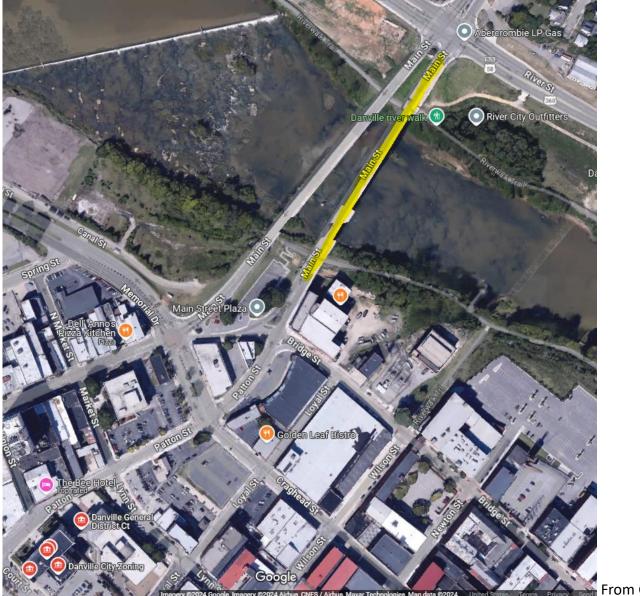
MAIN STREET OVER DAN RIVER DR. MARTIN LUTHER KING JR. MEMORIAL BRIDGE REHABILITATION

Danville River District Meeting Presentation | December 12, 2024



Location Map





From Google Maps





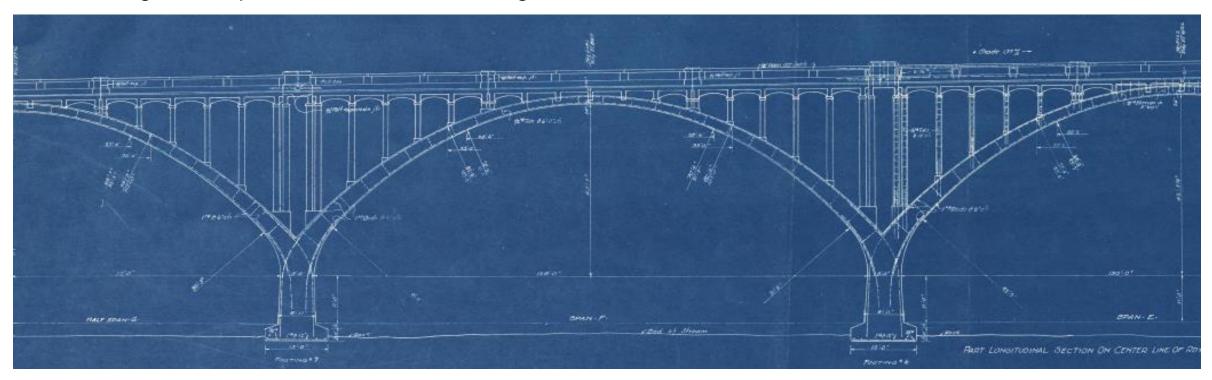


Main St. Bridge looking under Worsham St. Bridge From the Library of Congress





Original Main St. plans not available - WRA obtained plans from the Library of Virginia for the Worsham St. Bridge (torn down 2009) which was designed and built same time by same EOR (Daniel B. Luten) and was of similar design to the pre-modified Main St. Bridge over Dan River.



Portion of Worsham Street Plans





All aspects of the bridge were replaced above the arches in early 2000's, recreating the original architectural aspects of the bridge.



Main Street Bridge over Dan River (Martin Luther King Memorial Bridge)



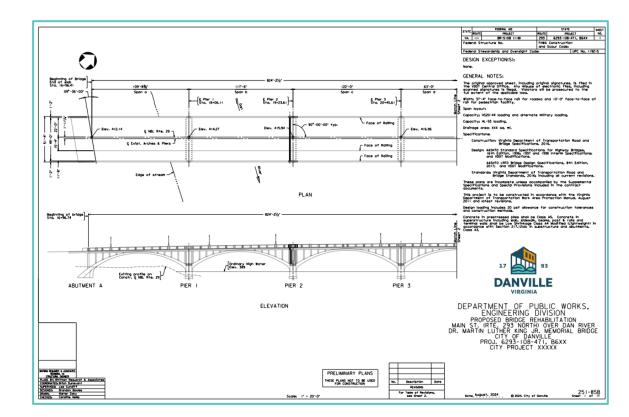
Close up of Original Arch Remaining and newer bridge element above the arch





- Maintain Architectural Features
- Concrete Surface Repairs
- Add Bridge Joints
- Coat Concrete Railings









- Design intent is to maintain all current architectural features of the structure.
- Perform Concrete Surface Repairs as part of routine maintenance of the structure
 - Will primarily be on older portions of the structure.
- Add several of the joints that were eliminated in early 2000's to improve performance of the structure.





- New joints will be like the existing joints on the bridge.
- A new line of columns will be required at each joint but will be added like they would have been originally.





Joints In Parapet / Railing



 Railings will be modified slightly to allow for the introduction of the joints and apply concrete color surface coating to the railings to provide uniform concrete appearance.







 Apply arch sprayed zinc to all portions of the bridge that remain from the original structure (arches and bases of piers).







Thank you.

