

## 2008/2009 Bridge Construction Project Summary

The following summarizes construction activities on City (DOT) and County bridges that occurred in 2008 or will occur in 2009. Except as noted, Department of Transportation and Engineering (DOT) staff performed plan development and construction management for these bridge projects.

### 2008/2009 City (DOT) Bridge Construction Projects

#### **Lincoln Avenue Bridge Deck Overlay** (City Bridge in Walnut Hills)

This project consisted of concrete overlaying the existing bridge deck, reconstructing portions of the backwalls, making expansion joint repairs, and painting steel members. The accepted contract bid price for this work was \$819,029 and was financed with City operating and City CIP bridge funds. Work began in September of 2007 and was completed in the Spring of 2008.

#### **Rosa Parks (Vine Street) Grating Repairs** (City Bridge in Central Riverfront District)

~~This project consisted of replacing the existing grating on the bridge deck with new grating.~~

the wearing surface of the Rosa Parks (Vine Street) Bridge over Parking Garage. This work was partially financed with money retained from the original contract due to lack of satisfaction with

**Second Street over Transit Center, East End – Load Testing and Crack Monitoring**  
(City Bridge in Central Riverfront District)

This bridge was constructed as part of the FWW project and experienced cracking immediately upon its completion. The extent of cracking was documented in 2004 by a directed consultant and a load test was performed by UC in 2005. During that load test, the bridge deflected as expected indicating that the structure was performing as designed. A follow-up inspection/documentation of observable cracking by a directed consultant and a follow-up load test by UC was performed in October of 2008 to verify that the bridge is continuing to perform as designed. The cost for these contracts is approximately \$100,000 and is being financed with City CIP bridge funds. Additional crack monitoring will be performed in 2009.

**Burns Street Ramp Bridge Replacement** (City Bridge in Lower Price Hill)

See Major Bridge Projects for information on this project.

**Baymiller Street Pedestrian Bridge – Concrete Repairs** (City Bridge in Over-The-Rhine)

This project originally consisted of making repairs to the concrete structure, handrails and vandal protective fencing, replacing the expansion joints and recoating the existing structure. After work began, it was determined that the condition of the existing concrete was too deteriorated to repair and the portion of the structure over the roadway was removed. DOTE is in the process of soliciting formal community input regarding the community's desire to reconstruct a new pedestrian bridge at this location. The project was financed using City operating and City CIP bridge funds.

**Central Parkway over Rapid Transit Tubes, Walnut to Draper – Concrete Repairs** (City Bridge in the CBD, Over the Rhine, the West End, CUF and Camp Washington)

A light rail feasibility study of the tubes was completed by a consultant selected by the City in 2007. The consultant determined that the tubes could carry future light rail and recommended that concrete repairs be made to several of the expansion joints to maintain the structure's viability for future use. This recommendation was supported by Council. The estimated cost of these concrete repairs is \$3 million. Water Works has been directed to provide \$2.5 million to the project. DOTE is preparing plans for making the recommended concrete repairs. Pending the availability of funds, construction is scheduled to start in late 2009 when the water main located inside the Rapid Transit Tubes can be shut down. Other recommended repairs such as replacing the ventilation shaft gratings in the median of Central Parkway were completed in 2007 as part of the Central Parkway Enhancement Project.

be complete within 6 weeks. The estimated cost for this work is \$70,000 and is being financed using County MRF bridge funds.

**Western Hills Viaduct East Stairway Reconstruction** (County Bridge in CUF and South Fairmont)

This project consists of removing and replacing portions of the east stairway from Spring Grove Avenue to the upper deck. Work is scheduled to take place in the fall of 2009 and will be financed using County MRF bridge funds. The estimated contract cost for this work is \$40,000.

**Marburg Avenue Bridge over Norfolk Southern Railroad – Inspection and Interim Repair Contract** (County Bridge in Hyde Park)

This project consists of performing a hands-on inspection of the beam ends and pier seats by a directed consultant to determine the extent of repairs needed at the expansion joints located over both piers. It is expected that the expansion joints will require replacement and that concrete repairs will be required at the beam ends and the pier seats. The asphalt wearing surface will also be removed and replaced. The consultant will begin work in the spring of 2009 and complete their work within 30 days. The repair contract is expected to be bid in the Fall of 2009 and will be financed using County MRF funds.

**Clifton Avenue Bridge over the Mill Creek** (County Bridge in Spring Grove Village and Northside)

This project consists of removing and replacing the existing superstructure as well as widening the bridge with corresponding improvements to the substructure. Work on this project is expected to begin in the spring of 2009 and will be financed using County MRF bridge funds and State OPWC funds at a 30/70 funding split ratio. The estimated cost for this work is \$1,900,000.

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