

Public Works and Capital Projects
February 15, 2018

CAPITAL STREET PROJECTS – CITY FUNDED+

2018 Selective Slab Replacement A – The bid opening for Selective Slab Replacement A is scheduled to be held on February 20, 2018. There are 16,740 square yards of concrete pavement replacement as part of this project. Streets include: Ladue Farm Road, River Bend Drive, Shady Valley Drive, Westernmill Drive, Millchester Circle, and Millbriar Circle.

2018 Selective Slab Replacement B – The bid opening for Selective Slab Replacement B is scheduled to be held on February 22, 2018. There are 14,995 square yards of concrete pavement replacement as part of this project. Streets include: Schoettler Valley Drive, Countryside Manor Parkway, Coventry Farm Drive, Coventry Farm Court, and Coventry Glen Court.

Crack Sealing Project – The bid opening for the 2017 crack sealing project was held on October 24, 2017 with Sweetens Concrete Services submitting the low bid of \$86,025. On November 6, 2017, the City Council approved a contract with Sweetens in an amount not to exceed \$92,000. This project is in progress.

Wilson Avenue Culvert Replacement Project – On November 6, 2017 City Council approved a contract with Pavement Solutions in an amount not to exceed \$485,000 for the replacement of the one lane Wilson Avenue culvert with a new two-lane culvert. Relocation of multiple overhead utility lines is necessary to facilitate this project. Ameren has substantially completed their utility relocation work and AT&T and Charter’s work is in progress. All utility relocation work should be completed by the end of February. Pavement Solutions will begin construction of the culvert after utilities are relocated.

Schoettler Road Improvements (Clayton to Georgetown) – The 2018 Budget includes funding for design services to improve Schoettler Road from Clayton Road to Georgetown Road. This project will include the design of a center turn lane from Georgetown Road to Schoettler Grove Court, as well as a designated right turn lane near Clayton Road. City Staff issued a Request for Proposals (RFP) in January, and HR Green was selected as the engineering firm most qualified to perform this work. Staff is currently negotiating a scope and fee with HR Green for design services. A contract will be presented to City Council for approval in March 2018.

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Chesterfield Parkway East Pedestrian Bridge – Construction of the pedestrian bridge over I-64 was completed in 2017. All necessary closeout

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documentation was provided to MoDOT on January 24, 2018. MoDOT approved the final reimbursement and provided final project acceptance on February 2, 2018. The project is complete and will be removed from future updates.

Schoettler Road Bridge – This project was awarded federal BRM funding for reconstruction of the existing two lane bridge on Schoettler Road over Creve Coeur Creek and construction of associated bike lanes, sidewalks, and improved pavement shoulders. The grant provides funding for up to \$1,602,480 of the estimated \$2,000,000 total project cost. Design and right-of-way acquisition for this project were completed in 2017. On July 17, 2017 City Council approved authorization to enter into a construction contract with Gershenson Construction in an amount not to exceed \$1,510,000. The design engineering firm, Burns and McDonnell, continues to provide construction engineering services for the project as previously authorized.

Gershenson was given Notice to Proceed on October 16, 2017 and they began work on November 1, 2017 after utility relocations were substantially completed. The first phase of this project was completed on December 21, 2017 and traffic was switched onto the new pavement. Gershenson began work on the second phase of this project on December 26, 2017. This project is substantially ahead of schedule and is now expected to be completed later this summer. Schoettler Road will continue to remain open to two-way traffic during construction.

Old Chesterfield Road – This project includes improvements to Old Chesterfield Road between Wild Horse Creek Road and Baxter Road. A Surface Transportation Program (STP) grant application was submitted to East-West Gateway in 2017 which included an asphalt overlay and replacement of the culvert just east of Santa Maria. That grant application was not successful. Nevertheless, the project is progressing and in 2017, City Council approved a contract with Oates Associates for design services to reconstruct the deficient culvert under Old Chesterfield Road. Design of this culvert is underway, and will be used to resubmit for grant funding (excluding design services) in 2018.

SIDEWALKS AND TRAILS

Monarch Chesterfield Levee Trail Phase V – This project (Baxter to I-64) is complete. Due to concerns about the safety of the section of trail which passes under I-64 in close proximity to Bonhomme Creek, the trail has been closed just south of I-64. This closure will remain until the next phase (Phase VI - see below) is constructed, at which time a safety barrier will be installed and the erosion caused by the bridge scuppers will be corrected.

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Monarch Chesterfield Levee Trail Phase VI – This section of the Levee Trail extends from just north of I-64 to just east of the former ice complex. This project was originally delayed due to pump station work for Watershed 5 by the United States Army Corps of Engineers (USACE). The Watershed 5 pump station work is now complete; however, the Levee District has planned a substantive grading project in this area for 2018. City Staff has met several times with the Levee District and we believe that a preferred Levee Trail route has been identified and can be incorporated as part of the Levee District project. However, the design of the trail extension is on hold until the design of the Levee District project is complete. Once design of the trail does commence, it will include revisions to the existing trail to eliminate the steep grades under the I-64 overpass. City staff has held a preliminary meeting with the majority property owner to discuss alignment and other concerns. However, easement negotiation cannot resume until the Levee District plans are finalized.

Sidewalk Replacement Projects – Due to the Emerald Ash Borer (EAB) crisis, City maintenance staff has been re-allocated to focus on tree removal. Accordingly, City Council has approved the EAB Action Plan whereby annual contractual sidewalk funding will be increased to \$500,000.

2018 Sidewalk Replacement A – This project will address sidewalk deficiencies in the Chesterfield Hills and Clarkson Woods subdivisions. The bid opening for this project will be held on March 6, 2018, with construction expected to commence in April/May of 2018.

2018 Sidewalk Replacement B – This project will address miscellaneous sidewalk deficiencies throughout the City of Chesterfield, primarily identified through Work Orders and Requests for Action (RFAs). The bid opening for this project will be held on March 8, 2018, with construction expected to commence in April of 2018. This is anticipated to be a year-long contract.

Accessible Ramp Improvements (CDBG-2017) – The City of Chesterfield will once again utilize funds available through the Community Development Block Grant (CDBG) Program to construct ADA compliant sidewalks and curb ramps. The 2017 Curb Ramp Replacement Project will be constructed within the Sea Beauty Farms subdivision. A bid opening was held on August 23, 2017, with Byrne and Jones Construction submitting the low bid of \$35,397. City Council approved the bid by Byrne and Jones at its September 18, 2017 meeting. Due to a delay in St. Louis County approval, construction of this project was postponed until the spring of 2018. This project is entirely funded through the CDBG Program, administered by St. Louis County.

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Schoettler Road Sidewalk – There is no sidewalk on either side of Schoettler Road between Windsor Valley Court and Greenleaf Valley Drive. City Staff has generated a preliminary design and cost estimate for a sidewalk in this area. This project has been incorporated into the City’s five year capital projects plan. However, Staff will continue to attempt to obtain grant funding for this project as funding options become available.

Riparian Trail – As part of an agreement between St. Louis County and the City of Chesterfield, St. Louis County agreed to leave four / five lanes of traffic on Baxter Road, with no dedicated bike lane. In return, the City of Chesterfield agreed to pursue construction of Phases Two and Three of the Riparian Trail. The aforementioned phases of the Riparian Trail begin at August Hill Drive, head north through Central Park, cross Wild Horse Creek Road, and terminate at Old Chesterfield Road. City Staff submitted a grant application for this project through the Transportation Alternatives Program (TAP) on June 19, 2017. In October of 2017 City Staff was notified that the East-West Gateway (EWG) Board of Directors approved this project for funding. The total project cost is approximately \$1.5 million. With an approved grant funding of nearly \$1 million (maximum allowed), the net project cost will be approximately \$500,000. However, all project costs outside the grant will be funded through the Chesterfield Valley Transportation Development District (TDD). There will be no net cost to the City of Chesterfield.

In late February the Planning and Public Works Committee will formally consider moving forward with this project. This will include authorization of a Program Agreement with MODOT accepting the terms of the grant, and approval of a contract with George Butler Associates (GBA) for design and construction services. If recommended for approval by the PPW Committee, this matter will be presented to City Council in March.

MISCELLANEOUS PROJECTS

CVAC Improvements – Public Works maintenance personnel continue to construct concrete improvements on the gravel parking lot located at the CVAC. Once the winter work is completed, Public Works and Parks staff will meet in order to determine a course of action for paving the remaining section of the lot, which will include irrigation and landscape islands.

River Valley Drive Closure – This project has been completed. In accordance with the River Valley Drive Gate Policy approved by City Council, the gate will remain closed, with the exception of the period during which St. Louis County reconstructs a nearby bridge on Creve Coeur Mill Road. Emergency response

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personnel, including the Monarch Fire Protection District, have been provided a key to open the gate in case of an emergency. This project will be removed from future updates.

Compressed Natural Gas Fleet Conversion and Fueling Station - The City of Chesterfield obtained a Congestion Mitigation and Air Quality (CMAQ) grant to fund 80% of the cost of design and construction of a CNG fueling station and the purchase of nine CNG trucks. The CNG Fueling Station located at the Public Works Facility is complete and functioning. However, there has been a delay in the acquisition of the trucks. Four of the 2.5-ton CNG trucks have been delivered to the Public Works Facility. The three remaining 2.5-ton CNG trucks have been ordered and should be received by the end of the February. Unfortunately, we do not have a timeframe on the acquisition of the two 1-ton CNG trucks. City Staff continues to work with Lou Fusz GMC to acquire the trucks while ensuring all City specifications are met.

Sewer Lateral Program - In the month of January, the City of Chesterfield received twelve applications for repair, of which eleven were approved.

Street Tree Inspections and Removals - In the month of January, the City of Chesterfield received 33 requests for street tree inspections. These inspections resulted in the approval for removal of 25 trees. Based upon previous inspections, the City of Chesterfield managed the contractual removal of 10 street trees (non-Ash) and the grinding of 60 stumps during the month of January.

Emerald Ash Borer Preparedness Plan and Action Strategy - During the month of January, 41 Ash trees were removed by Public Works maintenance personnel. There are approximately 4,500 Ash trees remaining, which are all scheduled for removal over the next six years.

Residential Street Tree Planting Program - In January, Farinella Nursery planted 23 trees. To date 183 of the 332 trees requested for the Fall 2017 contract have been planted. Remaining trees will be planted this winter, overseen by the City Arborist to ensure all specifications are met.