

**Public Works and Capital Projects**  
**April 15, 2018**

**CAPITAL STREET PROJECTS – CITY FUNDED**

**2018 Selective Slab Replacement A** – At its March 5, 2018 meeting, City Council approved a contract with J.M. Marschuetz in an amount not to exceed \$938,674 for the 2018 Selective Slab Replacement A Project. A preconstruction meeting was held on April 5, 2018 and construction on this project is expected to commence this spring. 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** – At its March 5, 2018 meeting, City Council approved a contract with J.M. Marschuetz in an amount not to exceed \$801,057 for the 2018 Selective Slab Replacement B Project. A preconstruction meeting was held on April 5, 2018 and construction is expected to commence this spring. 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 was substantially complete in March. Minor punch list items remain.

**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. All utility relocations have been completed. Tree/vegetation clearing is completed. The contractor is currently working on forming and pouring the upstream side of the culvert. One lane of traffic will remain open throughout the construction of the project, which is anticipated to be completed by August 1, 2018.

**Schoettler Road Improvements (Clayton to Georgetown)** – On March 19, 2018, the City of Chesterfield City Council approved a contract with HR Green to design improvements to 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. A design kick-off meeting was held on March 30. Surveying began on April 9.

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**CAPITAL STREET PROJECTS – GRANT FUNDED**

**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 improvements, including sidewalk and 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 provided Notice to Proceed on October 16, 2017 and they began work on November 1, 2017 after utility relocations were substantially completed. Phase 1 was completed on December 21, 2017. Phase 2 is underway and anticipated to be completed on April 18, 2017 when traffic will be switched to the final configuration to allow for Phase 3 construction. This project remains ahead of schedule and is expected to be completed in June. 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 in progress, with the hydraulic analysis and topographic survey completed. A coordination meeting is scheduled for April 27 with all affected utilities to discuss the required relocations. A preliminary estimate should be completed by the end of April. This estimate will be used to assemble a revised application for grant funding.

**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 was held on March 6, 2018. On March 19, 2018, City Council approved a contract with the low bidder, Amcon Construction, in an amount not to exceed the budgeted amount of \$300,000. Construction is expected to commence in early May.

**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 was held on March 8, 2018. On March 19, 2018 City Council approved a contract with the low bidder, Aztec Construction Specialties, in an amount not to exceed the budgeted amount of \$200,000. This is anticipated to be a year-long contract, with work to begin in May.

**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. Notice to proceed was given to the

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contractor on March 26, 2018. Construction has begun, and we expect the project to be completed by the end of May. This project is entirely funded through the CDBG Program, administered by St. Louis County.

**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. City Staff is currently preparing an application to East-West Gateway to fund this project through the Surface Transportation Program (STP). The application is due to East-West Gateway by June 14, with notice of award expected this fall.

**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.

On March 19, 2018 City Council authorized the following actions:

- 1) execution of a Program Agreement with MODOT accepting the terms of the grant;
- 2) approval of a contract with George Butler Associates (GBA) for design and construction services;
- 3) transfer of \$284,200 from General Fund – Fund Reserves to fund the project. Note that all monies transferred from the General Fund – Fund Reserves will be reimbursed through either the TAP grant or the TDD.

On April 2, 2018, City Council authorized an Amendment to the Contribution of Land Agreement with Chesterfield Village Incorporated (CVI) in order to acquire the land necessary to construct a portion of the Riparian Trail. City staff has already begun working with CVI to ensure the terms of the Amendment are met, including overseeing repairs to the Chesterfield Ridge

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Center Bridge. City Staff is currently in the process of obtaining the necessary signatures for execution of the Program Agreement and the design contract with GBA. Once those documents are executed and approved by MODOT, design of the project will commence.

**MISCELLANEOUS PROJECTS**

**CVAC Improvements** – Public Works maintenance personnel have finished their winter work on the concrete improvements on the gravel parking lot located at the CVAC. The completed work consists of roughly 300 feet of 24 foot wide concrete pavement. In early May, Public Works and Parks staff will meet 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. That St. Louis County project is anticipated to commence in June of 2018. Emergency response personnel, including the Monarch Fire Protection District, have been provided a key to open the gate in case of an emergency. This project will remain on the Capital Project Update until the St. Louis County project is completed.

**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. The City has received all seven 2.5 ton CNG trucks. The City is still awaiting two 1-ton trucks, which are anticipated to be built sometime in July and be received by the end of 2018.

**Sewer Lateral Program** – In the month of February, the City of Chesterfield received eight applications for repair, of which seven were approved. Since January 1, 2018, the City has received 36 applications for repair, of which 33 have been approved.

**Street Tree Inspections and Removals** – During the month of March, the City of Chesterfield received 55 requests for street tree inspections. These inspections resulted in the approval for removal of 65 trees (some inspections included multiple trees). Based upon previous inspections, the City of Chesterfield managed the contractual removal of 25 street trees (non-Ash) and the grinding of 85 stumps during the month of March.

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**Emerald Ash Borer Preparedness Plan and Action Strategy** – During the month of March, 95 Ash trees were removed by Public Works maintenance personnel. There are approximately 4,200 Ash trees remaining, which are all scheduled for removal over the next five years.

**Residential Street Tree Planting Program** – In March, Farinella Nursery completed the Fall 2017 planting, which included 332 trees. The Spring 2018 planting will include 80 trees, with planting to begin mid-April. All street tree plantings will be managed and inspected by the City Arborist to ensure City specifications are met.