

Public Works and Capital Projects
October 15, 2017

CAPITAL STREET PROJECTS – CITY FUNDED

2017 Selective Slab Replacement A – On March 6, 2017 City Council approved a contract with the low bidder, J.M. Marschuetz, in an amount not to exceed \$1,100,000. Marschuetz began work on June 5, 2017 and all work is complete. Streets completed include: Ridge Crest Drive, Shady Valley Drive, Kaywin Court, Cedar Bridge Road, Cedar Bridge Court, and Joyce Ridge Court. Due to project underruns, City Staff recommended, and City Council approved, additional work on Strollways Drive, Pembury Drive, Trailtop Drive, Orchard Hill Drive, and Lymington Common Street. J.M. Marschuetz was not available to complete this work, so the project was transferred to the second low bidder, Amcon Construction. Amcon has begun construction on these streets and has completed approximately 30% of the remaining work.

2017 Selective Slab Replacement B – On March 6, 2017 City Council approved a contract with the low bidder, E. Meier Contracting, in an amount not to exceed \$900,000. The contractor began work on June 19, 2017 and has substantially completed the majority of the project, with some minor punchlist items remaining. Streets completed include: Countryside Manor Court, Woodcliffe Place Court, Chesterfield Estates Drive, Chesterfield Estates Court, Kimwood Court, and Riverdale Circle. Due to relatively slow progress being made by the contractor, Public Works Staff recommended, and City Council approved, the transfer of 5,000 square yards of the project to Amcon Construction. Amcon will be completing the reconstruction of Forsheer Drive and Forsheer Court. Amcon has completed approximately 30% of the remaining work.

Crack Sealing Project – The 2016 crack seal project was completed within budget on February 16, 2017. The 2017 crack sealing project will be publicly bid on October 24, 2017.

2017 Trench Grates Project – This project included the reconstruction of ten trench grates throughout the City of Chesterfield. The project was completed by R.V. Wagner at a total cost of \$143,843, well below the City Council authorized amount of \$170,000.

Wilson Avenue Culvert Replacement Project – On May 5, 2014 City Council approved a contract with Oates Associates to design a culvert to replace the one lane culvert on Wilson Avenue. A final design package, including plans, specifications and estimate, was completed in 2015. Easements were quickly obtained for two of the required three parcels. The project was delayed due to an inability to acquire the third easement. After substantial negotiation and a

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court hearing, the third easement was eventually acquired, via settlement, on September 11, 2017.

The project has been advertised for bid and bids are due on October 17, 2017. Once the bids are received, publicly opened, and reviewed, a recommendation will be submitted to City Council for approval. Unless there are additional problems, construction should commence in late 2017 and be completed in late spring of 2018.

Schoettler Road Turn Lanes – For some time City Staff has been investigating potential improvements to Schoettler Road. On July 20, 2017 the Planning and Public Works Committee considered this matter, at which time they directed City Staff to pursue the design of a center turn lane on Schoettler Road from Georgetown Road to Schoettler Grove, as well as a designated right turn lane near Clayton Road. Estimated costs for design services and right of way will be included in the 2018 Budget. City Staff will create a Request for Proposals (RFP) for design services and will present a contract to City Council for consideration after passage of the 2018 Budget.

Wilson Avenue and Nardin Road Asphalt Overlay – City Staff is in the process of designing an asphalt overlay project on the northern portion of Wilson Avenue and Nardin Road. This project will be incorporated into the 2018 Budget.

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Greentrails Drive South Project – This project was awarded federal STP funding (70%) for the design, right-of-way/easement acquisition, and reconstruction of Greentrails Drive South between White Road and Ladue Road. This project was completed on April 12, 2017 at a total cost of \$2,095,830. MoDOT issued final project acceptance to the City on July 25, 2017.

A tree evaluation was conducted on September 1, 2017 and 17 street trees require replacement, which will be completed at no cost to the City as part of the one-year project warranty. A list of necessary replacements has been provided to Site System Landscaping, LLC and we are currently awaiting their schedule to perform the replacement work.

Chesterfield Parkway East Pedestrian Bridge – This project was awarded federal TAP funding for construction of a pedestrian bridge across I-64 along Chesterfield Parkway, including sidewalk, street lighting, and bicycle safety improvements between Conway Road and Schoettler Valley Drive. The grant

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provides funding for up to \$900,000 of the construction costs. City Council approved a construction contract with Millstone Weber in an amount not to exceed \$1,841,800, and Notice to Proceed was issued September 8, 2016.

The bridge is complete and was opened for use on July 27, 2017. The semi-final project inspection was conducted with MoDOT on September 26. Millstone Weber is currently working on assembling final project closeout documentation and will also be over-seeding some grass areas to ensure full re-vegetation.

Schoettler Road Bridge – This project was awarded federal BRM funding to reconstruct the existing two lane bridge, which will include bike lanes, sidewalks, and shoulders. The estimated total cost of this project is just under \$2,000,000, of which 80% will be reimbursed through the BRM grant. MoDOT approved the plans, specifications, and estimate (PS&E) on May 9, 2017 and funding was obligated by FHWA on May 19, 2017. City Council approved authorization to enter into a contract with the low bidder, Gershenson Construction, at its July 17, 2017 meeting. Ameren, Missouri American Water Company, and AT&T utility conflicts have been relocated. Charter and a Parkway School District fiber optic communications line are currently being relocated to facilitate the new roadway alignment and bridge. The contractor is anticipated to begin work the end of October or early November following the completion of the utility relocates. Construction of the bridge is expected to take 14 months, but the bridge will remain open to two-way traffic during construction.

Old Chesterfield Road – An application for Surface Transportation Program (STP) funding was submitted on March 2, 2017 for improvements to Old Chesterfield Road between Wild Horse Creed Road and Baxter Road. The scope of the grant submittal included replacing a deficient culvert and pavement resurfacing. In May the City Staff learned that East West Gateway did not recommend the project for federal funding, and that the grant application was not successful. This project will move forward, beginning with design work on the culvert, which was included in the 2017 Budget. A Request for Qualifications was issued this spring, with Oates Associates being selected as the most qualified firm. An engineering services scope and fee were negotiated, and City Council approved a contract with Oates Associates at its August 21, 2017 meeting. Notice to Proceed was issued on August 30, 2017 and the design is proceeding. City Staff will likely re-submit for grant funding in 2018, excluding design services.

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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.

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 2017/2018. 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 crisis, City maintenance staff has been re-allocated to focus on tree removal. Accordingly, City Council authorized an increase in annual contractual sidewalk funding to \$500,000.

2017 Sidewalk Replacement A – This project addressed sidewalk deficiencies in the Chesterfield Farms and Chesterfield Hill subdivisions. On April 19, 2017 City Council approved a contract with the low bidder, Amcon Construction, in an amount not to exceed \$300,000. Sidewalk construction began the week of May 8, 2017 and has been completed.

2017 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). On March 20, 2017, City Council approved a contract with the low bidder, Amcon Municipal Concrete, in an amount not to exceed \$200,000. This is anticipated to be a year-long contract. Construction on this project also began the week of May 8, 2017.

Accessible Ramp Improvements (CDBG-2017) – The City of Chesterfield will once again utilize funds available through the Community Development Block

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Grant Program to construct ADA compliant sidewalks and curb ramps. This year curb ramps will be constructed within the Sea Beauty Farms subdivision. This project will be bid once funding becomes available through the CDBG Program, which is administered by St. Louis County. The bid documents and plans are complete. 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. Construction is scheduled to begin in late October or early November.

Pathway on the Parkway - City Staff has begun to pursue a missing section of the Pathway on the Parkway project on the south side of Chesterfield Parkway between the Clarkson Road overpass and Schoettler Valley Drive. Sabur Incorporated has completed the required right-of-way and topographic survey. City Staff has drafted preliminary sidewalk alignments, determined applicable right-of-way and easement needs, and completed a cost estimate. City Staff plans to submit for grant funding for this project as funding opportunities become available.

Schoettler Road Sidewalk – There is no sidewalk on either side of Schoettler Road between Windsor Valley Court and Greenleaf Valley Drive. Public Works Staff has generated a preliminary design and cost estimate for sidewalks in this area. A Transportation Alternative Program (TAP) grant application was submitted in June of 2017. On August 3, 2017, the City Staff was notified that this project was NOT recommended for TAP funding. This project will be incorporated into the City's five year capital projects plan. City Staff will continue to attempt to obtain grant funding for this project.

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. On October 2, 2017, City Staff was informally 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 to the City of Chesterfield will be approximately \$500,000. The City is awaiting the formal approval letter and program agreement. Once received these will be forwarded to City Council for approval.

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Lake 1 Trail Asphalt Resurfacing – The City of Chesterfield maintains the asphalt trail (located in easement) around Lake 1 near the intersection of Chesterfield Parkway and Justus Post Road. The Lake 1 Trail is connected to the Riparian Trail. This project included placing an asphalt overlay onto the trail, resulting in a smooth walking surface. This project was completed, within budget by Ford Asphalt Company in August.

PARK IMPROVEMENTS

CVAC Improvements – This past winter Public Works maintenance personnel completed miscellaneous concrete improvements throughout the CVAC, including paving the eastern portion of the gravel parking lot in order to allow visitors to travel from North Outer 40 to the paved parking lot over a hard surface. A stop sign has been installed in that area to make the area safer for pedestrians.

Veterans Honor Park – City Council approved a construction contract with Volk Construction Company on May 16, 2016 in an amount not to exceed \$1,950,000. Notice to Proceed was issued on June 6, 2016. The project achieved substantial completion on April 2, 2017 and the Dedication Ceremony for the park was held on May 3, 2017. All punch list items have been completed and necessary close out paperwork has been received. This project was completed at a total cost of \$1,904,343.32.

City Staff will continue to work directly with Landesign to ensure unhealthy and/or dead trees and plantings are replaced under warranty. Several tree replacements are scheduled to occur in November.

MISCELLANEOUS PROJECTS

Long Road / Wild Horse Creek Road / Kehrs Mill Road (TDD) – This three phase project is substantially complete. The first phase involved the reconstruction of the Long Road / Wild Horse Creek Road / Kehrs Mill Road intersection to improve its geometry, which was completed in late 2013. The second phase of the project was completed in the spring of 2014 and improved the alignment of Kehrs Mill Road just south of Wild Horse Creek Road. This included the construction of a substantive retaining wall and the establishment of a landscape buffer behind the wall. The third and final phase of this project included the beautification of the intersection and the addition of a monument, which was completed on June 12, 2017. All costs associated with this project were funded through the Chesterfield Valley TDD.

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River Valley Drive Closure – As directed by City Council, the Engineering Staff has re-designed a cul-de-sac and road closure on River Valley Drive at the Chesterfield City Limits. The design was completed in July, after which the project was advertised for bids. Bids were opened publicly on August 8, 2017, with Krupp Construction submitting the low bid of \$165,609. On August 21, 2017 City Council approved a contract with Krupp Construction. The contract has been executed and construction will likely commence in mid-October. A nearby project on Creve Coeur Mill Road, administered by the St. Louis County Department of Transportation, has been postponed to avoid conflicting with this project and creating traffic concerns for residents in the Mill Ridge Villa Subdivision.

Compressed Natural Gas Fleet Conversion and Fueling Station - The City of Chesterfield has 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. On April 19, 2017 City Council approved a contract with Cissell Mueller Construction for construction of the CNG fueling Station, Truck Centers Incorporated for the purchase of seven 2.5 ton trucks, and Lou Fusz GMC for the purchase of two one-ton trucks. Notice to Proceed was provided to Cissell Mueller Construction effective May 24, 2017. Construction began the week of August 14, 2017, and is scheduled to be completed by the end of the year.

Public Works Facility Roof Project – The 2017 Budget includes \$120,000 for a new roof at the Public Works Facility. Bids were received on May 23, 2017 and a contract with the low bidder, Greg Glandt Roofing, was approved by City Council on June 5, 2017 in an amount not to exceed \$96,000. The roof work began in late August and was substantially completed on September 8, 2017, with only minor punch list items remaining.

Public Works Facility Painting Project – The 2017 Budget includes \$40,000 for the exterior painting of the Public Works Facility. Bids were received on April 18, 2017. City Council approved a contract with PaintSmiths of St. Louis on May 1, 2017 in an amount not to exceed \$37,500. Notice to Proceed was issued to PaintSmiths of St. Louis effective June 8, 2017. This project has been completed within budget.

2017 Seal Coat Project – This project was completed by Parking Lot Maintenance, within budget, on June 22, 2017. It included the seal coating and restriping of the City Hall parking lot, the Central Park parking lot, the Dierbergs Meditation Park trail and parking lot, all parking lots and access roads at the Chesterfield Valley Athletic Complex, and the Monarch Chesterfield Levee Trail.

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Green Trails Lake Sediment Removal Project - The City of Chesterfield negotiated a settlement of \$75,000 from Travelers Insurance due to materials exiting the Brunhaven development site and settling within the private lake owned by the Village of Green Trails. On August 15, 2016, City Council approved a contract with Muck Miners (not to exceed \$75,000) to remove the sediment. Dredging operations were completed in October. In May of 2017, the bags were opened, the material was graded, and vegetation was established. This project is complete.

Sewer Lateral Program - In the month of September, the City of Chesterfield received 13 applications for repair, of which 11 were approved. Since January 1, 2017 the City has received 113 applications for repair, of which 100 have been approved.

Street Tree Inspections and Removals - In the month of September, the City of Chesterfield received 67 requests for street tree inspections. These inspections resulted in the approval for removal of 81 trees. Based upon previous inspections, the City of Chesterfield managed the contractual removal of five street trees (non-Ash) and the grinding of 120 stumps during the month of September.

Emerald Ash Borer Preparedness Plan and Action Strategy - During the month of September, 80 Ash trees were removed by Public Works maintenance personnel. There are approximately 4,900 Ash trees remaining, which are all scheduled for removal over the next six years.

Residential Street Tree Planting Program - Farinella Nursery was the low bidder for the Fall 2017 street tree planting program. The planting of 327 street trees is scheduled to begin the third week of October, weather and nursery stock availability permitting. The tree planting will be managed by the City's Arborist to ensure all specifications are met.