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Concrete Street Reconstruction: The Public Works Department managed the contractual reconstruction of 29,742 square yards of public streets via two separate contracts. The streets reconstructed included all or portions of: Ladue Farm Road, River Bend Drive, Shady Valley Drive, Westernmill Drive, Millchester Circle, Millbriar Circle, Schoettler Valley Drive, Countryside Manor Parkway, Coventry Farm Drive, Coventry Farm Court, and Coventry Glen Court. These projects were completed at a total cost of \$1,595,125, which is well within the budgeted amount of \$1,740,000.



Crack Sealing: There was no crack sealing scheduled for 2018. The City's crack sealing program will resume in 2019, with \$80,000 budgeted for that purpose.

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Sidewalk Replacement: The Public Works Department managed the contractual reconstruction of 15,589 linear feet of sidewalk and 14 ADA ramps. The sidewalks were addressed via two separate contracts, the first of which concentrated on sidewalks within the Chesterfield Hill and Clarkson Woods subdivisions. The second contract addressed sidewalk deficiencies located throughout the City, including 71 sidewalk related work orders. These sidewalk projects will be constructed well within the \$500,000 budgeted. The final expenditure amount is not available at this time, as the second project will continue into early 2019, as we address work orders generated this winter.



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Wilson Avenue Culvert Replacement Project – In 2018 the City of Chesterfield replaced the failing one-lane culvert on Wilson Avenue with a new, wider culvert and two-lane roadway. As part of this project, the City also was able to construct pavement improvements on the steep hill just south of the bridge. More specifically, the limits of asphalt construction were expanded to include a new asphalt overlay south of the culvert to the top of the hill near 1508 Wilson Avenue. This not only addressed deficient sections of asphalt, but also served to improve the asphalt skid resistance (surface texture) on the hill. This project was completed within the Council approved authorization, with a final project cost of \$481,981.



Schoettler Road Improvements (Clayton to Georgetown) – In 2018 the City of Chesterfield issued a Request for Qualifications (RFQ) for engineering services necessary to design improvements to Schoettler Road from Clayton Road to Georgetown Road. HR Green was selected as the firm most qualified to provide these services, and a contract was subsequently approved by City Council in an amount not to exceed the budgeted amount of \$100,000. This project will include the design of a center turn lane from Georgetown Road to Schoettler Grove Court and a designated right turn lane near Clayton Road. Preliminary design has been completed, and in early 2019 negotiations will commence with the three affected property owners. This project is scheduled for construction in 2020.

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Schoettler Road Bridge – In 2014 the Public Works Department obtained a federal BRM grant to reconstruct the structurally deficient Schoettler Road Bridge. Design and right of way acquisition were completed in 2017. The project was bid and awarded to the low bidder, Gershenson Construction, in late 2017. Construction of the new bridge was substantially completed in June of 2018, at which time the bridge was opened to traffic. Construction was completed ahead of the original schedule, which called for an October bridge opening. The cost of the project was \$1,804,000, which was well within the budgeted amount of \$2,000,000. Further, the grant funded approximately \$1.4 million of the project cost. The new bridge contains sidewalk on both sides, and is wide enough to accommodate future bike lanes.



Old Chesterfield Road – In 2017 the City of Chesterfield issued an RFQ for design services necessary to reconstruct a failing culvert on Old Chesterfield Road. Oates Associates was selected as the firm most qualified to perform this work, and a scope and fee were negotiated and subsequently approved by City Council. Staff is currently working to acquire easements from the affected property owners, with two of the required three easements received. The project scope will include replacement of the culvert and an asphalt overlay on Old Chesterfield Road. Total project cost is estimated at \$520,000, with construction expected to commence in 2020. Unfortunately, attempts to secure grant funding for this project have been unsuccessful.

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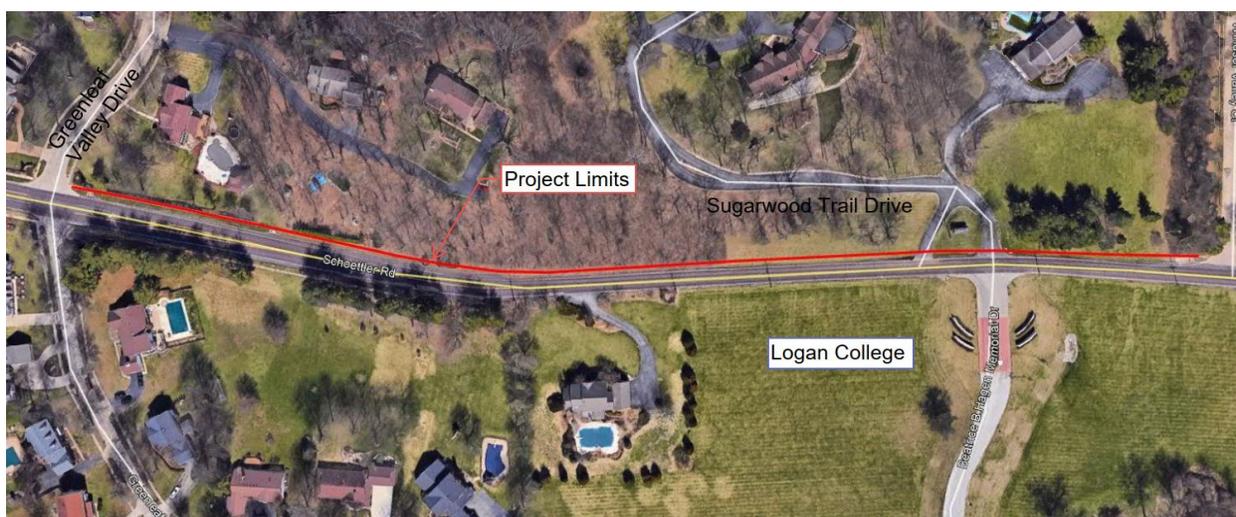
Monarch Chesterfield Levee Trail – In 2018 The US Army Corps of Engineers constructed improvements to Pump Station 4, which were substantially completed in May. During construction, the Monarch-Chesterfield Levee Trail was closed. Construction of the pump station included the installation of several new pipe structures near the edge of the trail. In order to alert users to the presence of the piping and guide users a safe distance away from the edge of the trail in this area, a white stripe was painted on the trail approximately two feet from the edge. Design of the missing section of trail from I-64 to Top Golf is under design. Construction timing will depend upon several factors, including easement acquisition and the timing of a Levee District project to improve the eastern portion of the Monarch – Chesterfield Levee.



Park Improvements – Over the 2017/2018 winter Public Works maintenance personnel constructed roughly 300 feet of 24 foot wide concrete pavement at the parking lot at the CVAC. Street maintenance personnel will continue construction of the concrete lot during the winter of 2018/2019. Additionally, in early 2019 Street Maintenance personnel will construct improvements to the concrete behind the Amphitheatre in Central Park.

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Schoettler Road Sidewalk – In 2018 the City staff submitted a Surface Transportation Program (STP) grant application to East-West Gateway to fund the construction of a five foot concrete sidewalk on the east side of Schoettler Road from Windsor Valley Court to Greenleaf Valley Drive. This project would fill the last sidewalk gap on Schoettler Road between Clayton Road and Chesterfield Pines Lane. The grant application included construction of retaining walls throughout most of the project limits due to steep existing topography in the project vicinity. Unfortunately, the City was notified in early August that this project was not recommended for funding. The estimated total project cost for construction of the sidewalk and retaining walls, including utility relocations, easement acquisition, and construction engineering and inspection, is \$784,000. Within the five year plan this project is budgeted for engineering in 2019, right of way acquisition in 2020, and construction in 2021. City Staff will continue to search for grant opportunities to fund construction of this sidewalk.



Riparian Trail – In late 2017 the City of Chesterfield was notified that its submittal for grant funding for Phases II and III of the Riparian Trail was successful. This will allow the extension of the Riparian Trail from August Hill Road to Old Chesterfield Road. The project is estimated to cost \$1.5 million, which will be offset by \$1 million (the maximum allowed) in Transportation Alternatives Program (TAP) funding. The remaining \$500,000 will be funded by the Chesterfield Valley TDD, meaning that this project will be constructed at no net cost to the City of Chesterfield.

Execution of a Program Agreement with MODOT and execution of a design contract with George Butler Associates (GBA) were authorized by City Council on March 19, 2018. The design is progressing appropriately, with GBA currently gathering survey data and coordinating with the affected utilities and

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agencies, including St. Louis County. 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 is working with CVI to ensure the terms of the Amendment are met. We expect the Agreement Amendment to be executed in early 2019.



St. Louis County Projects: During 2018 the St. Louis County Department of Transportation managed improvements to several streets within the City of Chesterfield. These included:

- Chesterfield Parkway West: Asphalt Mill and Overlay from I-64 to Olive Boulevard.
- Conway Road: Bridge replacement just west of White Road.
- Kehrs Mill Road: Asphalt Mill and Overlay from Clarkson Road to Clayton Road.
- Baxter Road: Asphalt Mill and Overlay from just south of Clarkson to Summer Ridge.
- Creve Coeur Mill Road: Bridge replacement just south of Amiot Court. Please note that this project is still under construction. The recently constructed River Valley Drive gate is being held open during the project to help accommodate local traffic. The gate will be closed once Creve Coeur Mill Road is re-opened to traffic.

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Sewer Lateral Program – Public Works Staff administered the City’s sewer lateral program, whereby qualifying residents with defective sewer laterals can have the laterals repaired under a contract administered by the City. In 2018, the City received 148 applications for sewer lateral repair. Of those applications, 135 properties qualified for a sewer lateral repair, each of which was managed by a member of the City’s Engineering Staff.



Accreditation: In 2015 the City of Chesterfield Department of Public Works became the 100th agency in North America to receive Accreditation through the American Public Works Association. Since that time, we have been working toward re-accreditation, and in 2018 we achieved compliance in all 39 required chapters of practice. Representatives from APWA will return to the City of Chesterfield in March of 2019 for an Accreditation site visit.

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Emerald Ash Borer: In 2016 the City of Chesterfield implemented the Emerald Ash Borer (EAB) plan, whereby each of the City's 6,709 public Ash trees will be removed due a disease caused by the EAB. In 2018, the City of Chesterfield Public Works personnel removed 673 Ash Trees. Since implementation of the program, 2,768 Ash trees have been removed. An integral part of the EAB plan is reforestation, and in 2018 the City Arborist managed the replanting of 504 street trees.



Miscellaneous:

- Provided safe travel on the City's 176 miles of public streets. Public Works Staff addressed 1,177 street maintenance related work orders, and 339 sign related work orders.
- Kept City streets clear during winter snow and ice. Addressed snow and ice during 14 winter storms using 1,569 tons of salt.
- Administered the St. Louis County Salt Cooperative Program on behalf of 53 municipalities and school districts, managing the order of 25,095 tons of salt in order to obtain the lowest price possible.
- The Public Works Facility maintained its status as a Blue Chip Service Center, with five of the mechanics maintaining Master Certification. The Fleet Maintenance Division completed 1,624 work orders and 549 preventative maintenance actions.
- Facility Maintenance personnel responded to 607 work orders and performed 4,192 preventative maintenance actions. This includes City Hall, the Public Works Facility, the Parks Administration Building, and the concession stands at the CVAC.
- The City Arborist performed 616 street tree inspections on hazardous and nuisance trees throughout the City of Chesterfield. Due to these

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inspections, the Arborist managed the contractual removal of 195 dead, declining, nuisance, or hazardous trees (non-Ash).

- City Engineering Staff addressed 158 work orders requiring engineering analysis.

The Public Works Staff is proud of its 2018 accomplishments and services to the City of Chesterfield. We strive to continue to improve these services in 2019.