

**Public Works and Capital Projects  
March 15, 2023**

**CAPITAL STREET PROJECTS – CITY FUNDED**

**Wildhorse Parkway Reconstruction (2023 Slab Project A)** –This project will reconstruct Wildhorse Parkway from Wildhorse Creek Road to the Chesterfield/Wildwood City limits, excluding the bridge and approach slabs which were addressed in 2021. The project includes reconstruction of the existing pavement, replacement of existing curb ramps, and widening the roadway by one-foot on both sides to accommodate two-way traffic during reconstruction. The widening will also increase safety for future maintenance activities that require partial lane closures. Bids were opened March 7, 2023. Two bids were received but the low bid is approximately \$300,000 over budget. City Staff is currently analyzing the bids and preparing a recommendation for City Council’s consideration at its March 20 meeting. The budget for this project is \$2,650,000.



**2023 Slab Replacement Project B** – The bid opening for Selective Slab Replacement B was held on January 25, 2023, with Next Level Construction submitting the low bid of \$881,179. City Council approved a contract with Next Level Construction on February 6 in an amount not to exceed the budgeted amount of \$1,000,000. Construction is tentatively scheduled to start in early April on Royalbrook Drive. This project includes approximately 9,600

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square yards of concrete pavement replacement. Streets include Royalbrook Drive, Whitestone Farm Drive, and Woodland Field Court.

**Crack Sealing Project** – Bids were opened for the 2022 Crack Sealing project on October 17, 2022, with STL Sealing and Striping submitting the low bid of \$72,912. City Council approved a contract with STL Sealing and Striping on November 7, 2022 in an amount not to exceed \$100,000 (budget). This project was completed on February 21 at as cost of \$99,913. Approximately 27 miles of City streets received crack sealing. The 2023 Crack Sealing Project is scheduled for a bid opening in late summer or early fall.

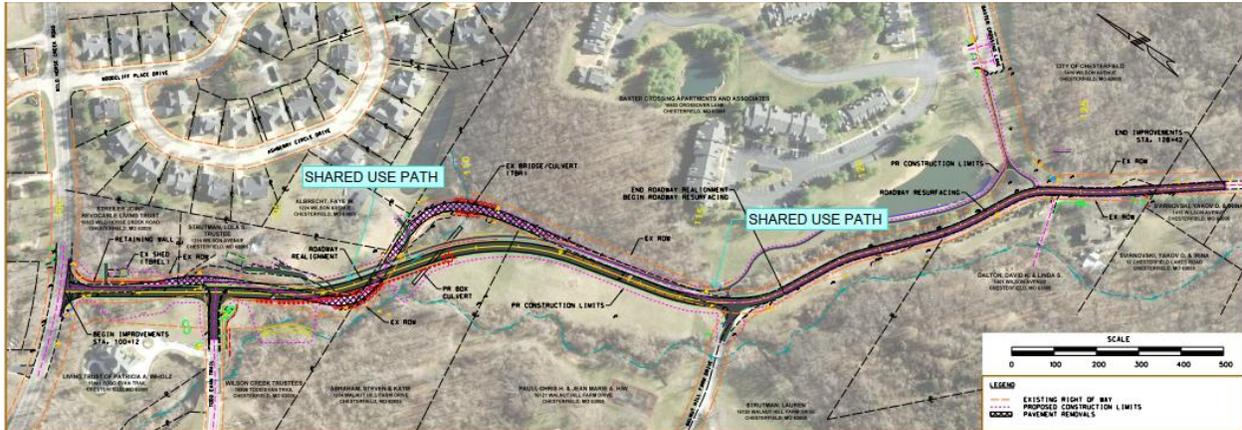


**CAPITAL STREET PROJECTS – GRANT FUNDED**

**Wilson Avenue Improvements** – On November 1, 2021, City Council approved a contract with Oates Associates in an amount not to exceed \$310,000 for design services necessary in order to construct improvements to the northern portion of Wilson Avenue. The design contract with Oates was executed on November 17, 2021. Based on the current design, the anticipated project cost is \$2,143,100, which includes \$1,633,100 for construction, \$340,000 for right-

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of-way/easement acquisition, and \$170,000 for construction inspection. The preliminary design was presented to the public on January 24, 2022. On February 7, 2022, the City Council authorized City Staff to submit a Surface Transportation Program (STP) grant application to East-West Gateway in order to fund this project. The grant request was submitted on February 10, and included a request for federal funding of \$1,143,170 (70% of the construction cost).



The East-West Gateway Board of Directors officially approved awarding a grant for this project on August 31, 2022. A Program Agreement with the Missouri Highway Commission was approved by City Council on March 6. According to the grant schedule, right of way acquisition will begin in 2024 and construction will commence in 2026 (unless an earlier start date is authorized by East-West Gateway).

Oates and Associates is nearing completion of preliminary plans. A public open house meeting will be held in the spring for interested parties to view the preliminary plans and provide comments.

### SIDEWALKS AND TRAILS

**2023 Sidewalk Leveling Project** - This project will level sidewalk sections to remove deficiencies through the use of a mud-jacking process. Sidewalk leveling is planned within Chesterfield Meadows, Wilson Manor, Bent Tree and a portion of Wilson Farm. The Sidewalk Leveling Project allows the City to repair additional sidewalk by reducing the number of slabs that require full removal and replacement within the Sidewalk A Project. On February 21, 2023, City Council approved a contract with Lift Rite in an amount not to exceed \$100,000. Construction is expected to commence in April.

Additionally, City Council approved an alternative project with Precision Concrete Cutting whereby Precision will remove sidewalk deficiencies through the use of a proprietary saw-cutting method. The amount of this project will

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not exceed \$30,000. Construction on the Precision project is expected to commence in April.

**2023 Sidewalk Replacement A** – This project will remove and replace deficient sidewalk in a number of subdivisions, including Chesterfield Meadows, Wilson Manor, Bent Tree and a portion of Wilson Farm. The bid opening for this project was held on March 7, 2023, with E. Meier Contracting submitting the low bid of \$186,388. City Council will consider approval of this project on March 20, 2023. Construction is expected to commence in May after the Sidewalk Leveling Projects are complete.

**2023 Sidewalk Replacement B** – This project will address miscellaneous sidewalk deficiencies throughout the City, primarily identified through Work Orders and Requests for Action (RFAs). The bid opening for this project was held on February 21, 2023, with Amcon Municipal Concrete submitting the low bid of \$167,500. On March 6, 2023, City Council approved a contract with Amcon Municipal Concrete in an amount not to exceed the budgeted amount of \$200,000. Construction is expected to commence in April.

**Accessible Ramp Improvements (CDBG-2022)** – This project includes the reconstruction of ten ADA compliant sidewalk ramps in the River Bend Estates Addition subdivision. A bid opening was held on February 7, 2023, with Spencer Contracting submitting the low bid of \$55,534. On February 21, 2023, City Council approved a contract with Spencer Contracting in an amount not to exceed \$55,534. Construction is expected to commence in April. The City will be reimbursed \$41,900 for this project from St. Louis County through the Community Development Block Grant program.

**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 section will remain closed until the next phase (Phase VI - see below) is constructed.

**Monarch Chesterfield Levee Trail Phase VI** – Phase VI of the Monarch-Chesterfield Levee Trail extends from just north of I-64 to the northeast corner of Top Golf. Once constructed, this section will fill the remaining “gap” in the Levee Trail.

The Monarch–Chesterfield Levee is located on private property and the City has no right to construct a trail on the levee without acquiring the necessary easements. After multiple failed attempts to acquire the easements amicably, the City filed for condemnation of the easements in 2022. The condemnation process began with the requisite Commissioner Hearing on January 19, 2023. The City Attorney and City Engineering Staff presented project information to the Commissioners who were tasked with determining a value for the

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easements. On March 3, 2023 the City of Chesterfield was notified that the Commissioners awarded \$93,000 to the property owners, including heritage value, for the easements. This is approximately \$60,000 higher than the City offered, but substantially lower than the \$12 million requested by the property owner. The award has been appealed by the property owners who have requested a jury trial before the City takes possession of the easements.

A project bid date is anticipated in 2023 but will only be scheduled after the necessary easements are acquired through the condemnation process.



**Eberwein Park** – This project involves removing the aggregate trails located throughout Eberwein Park and replacing them with a new concrete trail. The trail will be relocated in an effort to minimize the grade and prevent the erosion problems that have been affecting the Eberwein Park trails since they were originally constructed. An engineering services contract with Horner and Shifrin was approved by City Council on May 3, 2021. Design was completed in the spring of 2022, at which time the project was advertised for bid. On June 7, 2022, City Council approved a contract with the low bidder, Kozeny-Wagner, in an amount not to exceed \$840,000. A pre-construction meeting was held on July 7, 2022 and construction began on August 1, 2022.

While excavating for the new section of trail west of the pond, it was discovered that the dam had several leaks and needed to be reconstructed prior to constructing a new trail adjacent to it. Staff obtained an estimate from Kozeny-Wagner to reconstruct the dam and repair the pond, which was presented to City Council for approval at its September 6, 2022 meeting. City Council approved the proposal and authorized a supplemental agreement with Kozeny-Wagner in an amount not to exceed \$275,000. This increased the total project cost to \$1,105,000.

The pond excavation and dam repair have been completed, the water quality basins at the northwest corner of the park have been reconstructed, and

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approximately 95% of the trail has been constructed. We anticipate that the project will be completed, within the authorized amount, by the end of March.



### GRANT APPLICATIONS

**Highcroft Drive Improvements** - As directed by the Planning and Public Works Committee in late 2022, the Engineering Staff solicited resident feedback for improvements to Highcroft Drive from Schoettler Valley Road to Baxter Road, including the asphalt portion of Old Baxter Road near Eberwein Park. That feedback, which included a survey and trustee meetings, was evaluated and used to prepare a grant application for improvements to Highcroft Drive.



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Staff submitted a Surface Transportation Block Grant Program (STBG) grant application to East-West Gateway for this project on February 8, 2023. The grant requested funding for 80% of the total project cost, estimated at \$2,054,400. We expect to receive notification of the grant acceptance or rejection in June. If the grant application is successful, the preliminary schedule is for project design in 2024/2025, right of way acquisition in 2026, and construction in 2027.

**MISCELLANEOUS PROJECTS**

**Main Circle Drive** - In cooperation with the Parks Department, the Engineering Staff managed the design and secured a contractor for an extension of Main Circle Drive from its existing terminus at the Main Circle Drive round-a-bout to Veterans Place Drive. Construction bids for the project were publicly opened on August 23, 2022, after which City Council authorized a contract with RV Wagner in an amount not to exceed \$598,000. Construction began on March 1, 2023 and is scheduled to be completed by the end of April. This project is funded through the 2020 Certificates of Participation Bond (2020 COP) for improvements to Central Park.

**Sewer Lateral Program** - In the month of February, the City received seven applications for sewer lateral repairs, of which five were approved. As of March 1, 2023, the City has received 16 applications for repair, of which 13 have been approved.



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**2023 Bridge Deck Sealing and Epoxy Overlay** –This project includes the sealing of the bridge decks on Timberlake Parkway, Schoettler Road, Eagle Bluff Court, Ladue Road, the Chesterfield Parkway Pedestrian Bridge, and Chesterfield Ridge Center Drive. The Chesterfield Ridge Center Drive bridge deck will also receive an epoxy overlay. The project will be advertised for bid in late March. It includes an approved budget of \$270,000.

**Emerald Ash Borer Preparedness Plan and Action Strategy** – During the month of February, 26 Ash trees were removed by Public Works Street Maintenance personnel. There are approximately 95 Ash trees remaining.

Seven years after the initial EAB detection in 2015, infestation numbers for the borer have yet to reach the top of the estimated population curve. Missouri state forestry entomologists continue to forecast that the EAB infestation around the St Louis area will peak in 2025 and that 99% of all Ash trees will die due to the damage caused by the borer. The remaining public Ash trees in the City continue to exhibit signs of decline in all size ranges. Until all of the public Ash trees are removed, the Public Works Maintenance Staff and contracted tree crews will continue to primarily focus on Ash trees and trees with immediate hazards when considering removal. Nuisance trees will be deferred until the public Ash trees have been eliminated.



**Street Tree Inspections and Removals** – During the month of February, the City received 28 requests for street tree inspections. These inspections resulted in the approval for removal of 18 street trees. Based upon previous inspections, the City managed the contractual removal of ten street trees as well as the grinding of 90 stumps in the month of February.

**Residential Street Tree Planting Program** – During the month of February, Farinella continued planting street trees requested as part of the fall 2022 planting. To date 450 of the 464 requested trees have been planted.

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**2022 Parking Lot and Trails Seal Coat** - This project includes sealing and restriping several City parking lots and trails. A bid opening was held on July 19, 2022 with Parking Lot Maintenance LLC submitting the low bid. Contract documents have been executed and a preconstruction meeting was held on August 31, 2022. At that time the decision was made to postpone the project to the Spring of 2023.

Crack sealing work began on March 6, 2023 at the Chesterfield Valley Athletic Complex (CVAC). Once work at the CVAC is completed, crack sealing operations will move to the Monarch-Chesterfield Levee Trail and then to the other City facilities. The crack sealing work will take approximately three weeks to complete. The second phase of this project is expected to commence in April and will include seal coating of all asphalt surfaces. Once the seal coating work begins, there will be temporary closures of the Monarch-Chesterfield Levee Trail and portions of the CVAC access drives/parking lots. Engineering Staff will coordinate closely with the Parks Department during the project to ensure residents are properly notified of all closures.

**Flood Insurance Rate Map Updates** - The State Emergency Management Agency (SEMA) is in the process of updating the Flood Insurance Rate Maps (FIRMs) and Flood Insurance Study (FIS) for St. Louis County. SEMA and its consultant (Wood Engineering) provided an introductory presentation on the new maps to municipal representatives in August of 2018. Based upon this information, the City sent postcard notifications to all property owners within 200 feet of a proposed floodplain/floodway change in September 2018. This allowed property owners to view the proposed changes and provide additional information and comment on the changes. SEMA held additional meetings in January of 2019, at which time they announced that Preliminary FIRMs were expected to be completed in the summer of 2020. The issuance date of the preliminary FIRMs has been delayed numerous times. The most recent update from SEMA, received on February 9, 2023, indicated preliminary maps were projected to be issued later this spring/summer. The effective date of the new maps is yet to be determined. Details on the new maps and the information from SEMA are located on the City's website. We will continue to update the website, and this report, as we obtain additional information.