

**Public Works and Capital Projects
February 15, 2024**

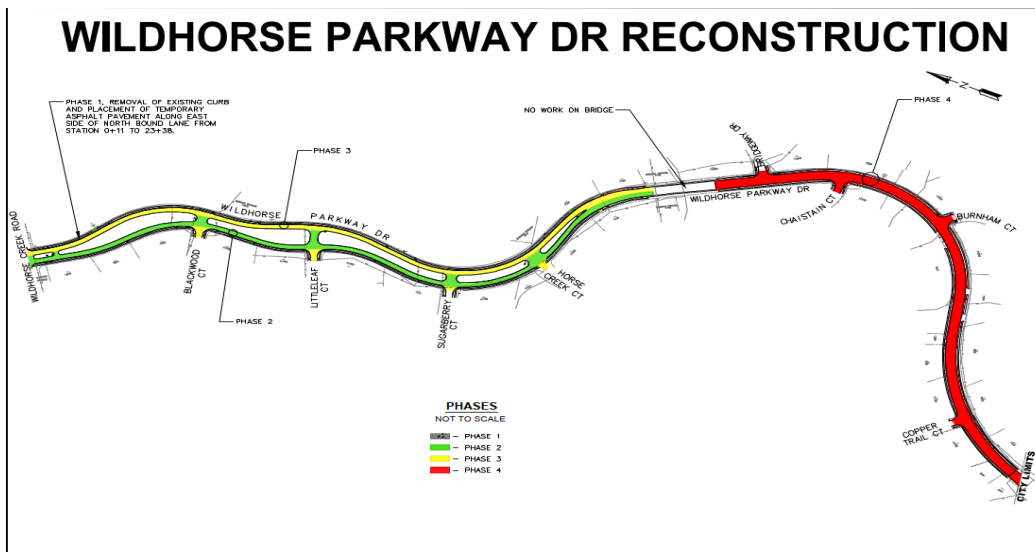
CAPITAL STREET PROJECTS – CITY FUNDED

Wildhorse Parkway Reconstruction

This project will reconstruct Wildhorse Parkway from Wildhorse Creek Road to the Chesterfield/Wildwood City limits, excluding the bridge. The project includes reconstruction of the existing pavement, replacement of 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, with Next Level Construction submitting the low bid of \$2,940,310 (approximately \$300,000 over budget). After considering options, including a project delay and scope reduction, City Council approved a contract with Next Level in an amount not to exceed \$3,100,000. This necessitated a 2023 Budget Adjustment of \$450,000 from the Capital Projects - Fund Reserves.

This project has been broken into four phases as follows:

- Phase 1 included the addition of pavement to the northbound lane. That work was completed on August 11, 2023.
- Phase 2 involved the closure of the southbound lanes and the rerouting of two-way traffic onto the northbound lane. That work began on August 14, 2023, and was completed on October 6, 2023.
- Phase 3 closed the northbound lane and routed two-way traffic onto the newly constructed southbound lane. Work on Phase 3 began on October 9, 2023, and was completed on November 10, 2023.
- Phase 4 includes conventional slab replacement (no median) on the remaining pavement between the bridge and Wildwood. Work on Phase 4 began on Sept 22, 2023 and was suspended in December due to cold temperatures and the threat of snow.



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The Wildhorse Parkway Project is much more complex than our typical slab replacement project due to the roadway configuration and traffic volumes. Residents are encouraged to access the project page located on the City's website for additional information. Work on this project is scheduled to resume as soon as weather allows. Once work does resume, construction should be completed in approximately twelve weeks.

2024 Slab Replacement Project A

The bid opening for Selective Slab Replacement Project A was held on February 6, 2024 with M&H Concrete Contractors submitting the low bid of \$1,924,980. Approval of this project will be considered by City Council on February 20, 2024. This project includes approximately 23,821 square yards of concrete pavement replacement. Streets that will be improved as part of this project include Braumton Court, Buckingham Drive, Cabinwood Court, Country Field Court, Gatemont Drive, Georgetown Road, Schoettler Manor Court and Woodsbluff Drive. Work is scheduled to begin in the spring of 2024.

2024 Slab Replacement Project B

The bid opening for Selective Slab Replacement Project B was held on February 8, 2024, with Amcon Municipal Concrete submitting the low bid of \$1,453,880. Approval of this project will be considered by City Council on February 20, 2024. This project includes approximately 18,843 square yards of concrete pavement replacement. Streets that will be improved as part of this project include Clayton Douglas Court, Conway Springs Drive, Hitchcock Road, Saylesville Court, Saylesville Drive (cul-de-sac), Signal Knob Court, Strawbridge Drive (Markham to Stablestone) and White Road (eyebrow only).

Crack Sealing Project

Bids for the 2023 Crack Sealing Project were opened on November 7, 2023, with Sweetens Sealing Services submitting the low bid of \$89,130. City Council approved a contract with Sweetens Sealing Services on November 20, 2023, in an amount not to exceed \$98,900. Work began on December 4, 2023, and was completed on February 8, 2024, at a total cost of \$98,067.

Asphalt Overlay Project

This project will include a new asphalt driving surface on Chesterfield Commons Drive, Chesterfield Commons East Drive, Edison Avenue, and RHL Drive. Prior to the placement of the new asphalt, the selected contractor will mill two inches of the existing asphalt pavement and construct base repairs (if needed - as directed by City Staff). The bid opening for this project is scheduled for April 2, 2024 with construction expected to commence late spring/summer. The budget for this project is \$1,800,000.

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Ladue Farm Road Bridge Replacement

The Ladue Farm Road Bridge, originally constructed in 1978, is one of 14 City-maintained structures that are on the National Bridge Inventory. The Missouri Department of Transportation (MoDOT) conducts a biennial inspection of these structures, with the most recent inspection occurring on December 18, 2023. The results of these MoDOT inspections are used to update the 10-year maintenance plan contained in the City’s Bridge Inspection and Maintenance Manual.



The December 18, 2023 inspection resulted in the overall condition rating of the bridge being downgraded from a five to a four - which is considered poor. This poor rating will make the bridge eligible for future grant funding in the Surface Transportation Program (STP-S), administered through East-West Gateway Council of Governments (EWG).

In order to prepare for the next STP-S grant cycle, the City will need to contract with an engineering design firm to perform a preliminary design of the bridge and secure a detailed cost estimate for construction and right of way. Accordingly, a recommendation for additional funding for design services in 2024 was considered by the Planning and Public Works Committee on February 8, 2024. The PPW Committee concurred with the City Staff’s recommendation and authorized the issuance of a Request for Qualifications (RFQ) for design services necessary to replace the bridge. The RFQ is expected to be issued in early March of this year. Once an engineering firm is selected and a scope and fee have been

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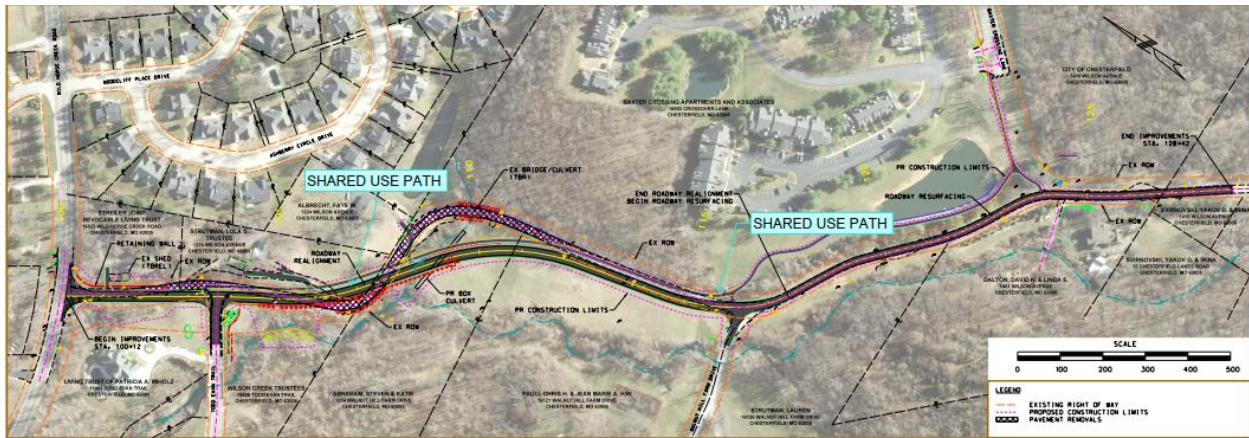
negotiated, Public Works Staff will submit a budget amendment request along with an engineering services contract to City Council for consideration.

CAPITAL STREET PROJECTS – GRANT FUNDED

Wilson Avenue Improvements

In late 2022 the City of Chesterfield was notified of the award of a Surface Transportation Program (STP) grant for the reconstruction of Wilson Avenue. The grant award included federal funding in the amount of \$1,143,170 (70% of the construction cost). The estimated total project cost is \$2,438,819.

On April 17, 2023, the City of Chesterfield executed a Program Agreement with the Missouri Highway Commission regarding this project. 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). In 2021 the City contracted with Oates and Associates in an amount not to exceed \$310,000 for design services associated with the project.



Preliminary plans have been completed and were approved by MoDOT on September 6, 2023. Right-of-way plans have been completed and were approved by MoDOT on October 9, 2023. There are ten parcels for which right of way and/or easement acquisition will be necessary. Of those ten parcels, six parcels require full appraisals in accordance with MODOT requirements. The appraisals have been completed and review appraisals (required by MODOT) are currently in progress. Offer letters will be sent to property owners, and right of way acquisition will commence in late February. A utility coordination meeting was held on February 15, 2024. The project is currently on schedule.

Schoettler Road Sidewalk

On March 31, 2023, the East-West Gateway Board of Directors formally approved the City’s Transportation Alternatives Program (TAP) grant application for construction of a sidewalk extension on the east side of Schoettler Road, from Windsor Valley Court to Greenleaf Valley Drive. This sidewalk extension will fill

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the last remaining sidewalk gap on Schoettler Road and provide a pedestrian route on at least one side of Schoettler Road from Clayton Road to Chesterfield Parkway. This sidewalk extension will also provide a pedestrian route for additional residents to access Logan Park.

An Engineering Services Contract with Horner & Shifrin was approved by City Council in December 2023 and the federal funding for the project was formally allocated in early February. Staff subsequently issued a Notice to Proceed to Horner & Shifrin to begin Preliminary Design on the project. Engineering design will take place in 2024, followed by right-of-way acquisition in 2025 and construction in 2026.



Pathway on the Parkway

Engineering Staff submitted a Transportation Alternatives Program (TAP) grant application to East-West Gateway on July 20, 2023, to fund the construction of a new sidewalk on the south side of Chesterfield Parkway East, between Clarkson Road and the Schoettler Spur Road. The project will also convert the northern lane of the Schoettler Spur Road to a pedestrian/bicycle shared use path, and it will connect a five-foot sidewalk from Schoettler Spur to the existing sidewalk at Chesterfield Pines.



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The final grant application included a request for \$1,832,000 in federal funding, with a total project cost of \$2,290,000 – resulting in a City share of \$458,000. The project was formally approved for funding by the East-West Gateway Board of Directors in January of 2024. The City will soon receive a Program Agreement from the Missouri Department of Transportation which will be presented to City Council. Project design is scheduled to commence in 2025, followed by right-of-way acquisition in 2026 and construction in 2027.

GRANT APPLICATIONS

Highcroft Drive/Old Baxter Road 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 Drive 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.

Staff submitted a Surface Transportation Block Grant Program (STBG) grant application to East-West Gateway for this project on February 6, 2024. The anticipated total project cost is \$2,738,000 which includes \$2,206,000 for construction, \$53,000 for right-of-way/easement acquisition, \$303,000 for preliminary engineering and \$176,000 for construction engineering. The grant application requested federal funding for 70% of the costs of all phases of the project – a total of \$1,916,600 in grant funding. The City will be notified later this year as to whether the grant application was successful. If this project is recommenced for funding, design will begin in 2025 with construction scheduled for 2027/2028.



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SIDEWALKS AND TRAILS

2024 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 the Chesterfield Trails, Greenleaf Estates, Lake on White Road, Scarborough, Sycamore Manor, and Westchester Place subdivisions. This project allows the City to repair additional sidewalk and reduce the number of slabs that require full removal and replacement within the Sidewalk A Project. The bid opening for this project was held on February 6, 2024 with Lift Rite submitting the low bid of \$96,875. On February 20, 2024, City Council will consider approval of a contract with Lift Rite in an amount not to exceed \$100,000. If approved, construction is expected to commence in March/April.

2024 Sidewalk Replacement A

This project will remove and replace deficient sidewalk slabs in a number of subdivisions, including Bent Tree, Chesterfield Meadows and Wilson Manor. The bid opening for this project was held on February 6, 2024 with Amcon Municipal Concrete submitting the low bid of \$143,606. On February 20, 2024 City Council will consider approval of a contract with Amcon Municipal Concrete in an amount not to exceed \$200,000. If approved, construction is expected to commence in March/April.

2024 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 will be held on February 20, 2024. Construction is expected to commence this spring.

Accessible Ramp Improvements (CDBG-2023)

This project will include the reconstruction of approximately 14 ADA compliant sidewalk ramps in the Chesterfield Meadows subdivision. The bid opening will be held in the spring. The City has budgeted \$55,000 for this project and will be reimbursed \$41,900 through the CDBG Program, administered by St. Louis County. Construction is anticipated to begin in the summer of 2024. Please note that this is considered a 2023 project, but the CDBG funding will not be released by St. Louis County until 2024.

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 next page) is constructed.

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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 easements. On March 3, 2023, the City 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 originally offered, but substantially lower than the \$12 million requested by the property owners. 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 opening was originally anticipated in 2023. However, because the property owners have contested the easement award and requested a jury trial, the bid opening and subsequent construction timing are unknown and cannot be accurately estimated. Once a jury trial is held and an easement value is assessed by the court and accepted by the City, we will update this report and create a schedule for this project.



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MISCELLANEOUS PROJECTS

Sewer Lateral Program

In the month of January, the City received ten applications for sewer lateral repairs, eight of which were approved.

Street Tree Inspections and Removals

During the month of January, the City received 35 requests for street tree inspections. These inspections resulted in the approval for removal of twelve street trees. Based upon previous inspections, the City managed the contractual removal of five street trees as well as the grinding of 40 stumps during the month of January.



Residential Street Tree Planting Program

In January, Farinella Nursery continued installing trees requested as part of the Fall planting. To date, 190 of the 269 requested trees have been planted. We are currently accepting applications for the Spring 2024 planting, with a deadline of March 30, 2024.

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

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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 December 19, 2023, indicated preliminary maps are projected to be issued on March 17, 2024. 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.

Public Works Facility Mezzanine Structure

On May 15, 2023, City Council approved a contract with Archimages in an amount not to exceed \$57,000 for architectural and engineering design services related to construction of a mezzanine structure in the vehicle and equipment service area of the Public Works Facility. This effort to improve the Public Works Facility began with a feasibility study in 2021 which generated a schematic design and preliminary construction cost estimate. The design was completed in 2023 and the project was released for bidding in January 2024. Bids for the project were publicly opened on February 6, 2024, with Aspire Construction submitting the low bid of \$396,000. This is significantly higher than the Architect's project estimate of \$250,000 and the City's 2024 budget of \$280,000. A recommendation for award will be presented to City Council at the February 20, 2024, meeting. Provided the project award is approved, construction will commence this spring and will be completed in late September 2024.

Archery Range Improvements

On July 17, 2023, City Council approved a contract with Stock & Associates in an amount not to exceed \$43,500 for surveying and engineering design services related to permitting and construction of an archery range adjacent to the City's existing Police firing range. Field survey work has been completed, and design work, including agency coordination, is in progress. The project design was originally expected to be complete in 2023; however, the project encountered several unanticipated regulatory stormwater requirements through the Metropolitan St. Louis District, which has delayed final design. The stormwater design issues are nearing resolution, and we expect to obtain final approval this spring. This project will be constructed by Parks Maintenance personnel.

Amphitheater Back-of-House and Restroom Improvements

On October 24, 2023, City Council authorized a contract with Bond Architects in an amount not to exceed \$265,000 for architectural and engineering design services related to construction of a restroom and back of house improvements

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at the Chesterfield Amphitheater. The goal of the back of house improvements is to enhance existing facilities by adding: a habitable lounge space, dressing rooms, additional restrooms with shower facilities, a kitchen and laundry space. The project also involves re-facing and extending the roof of the existing storage structure, adding an outdoor space west of the changing room and evaluation of the circle drive for improving tour bus access and parking. On October 31, 2023, a project kickoff meeting was held with Bond Architects and City Staff. Currently, Bond Architects is working on finalizing the schematic design, interior finishes, and the project cost estimate. Plans and bid documents are anticipated to be completed by the summer of 2024.

Bikeable-Walkable Community Plan

In accordance with the Strategic Plan (Goal 2, Objective 4) the Public Works Staff is working toward increasing opportunities for multi-modal activities. One specific item identified within the Strategic Plan and included in the 2024 Budget (\$95,000) is an update of the City's Bikeable Walkable Community Plan (Plan). The City issued an RFQ on February 9, 2024 to begin the process of selecting a consultant to create an updated Bikeable Walkable Community Plan. Once a consultant has been selected, a scope and fee will be negotiated, and an Engineering Services Contract will be presented to City Council for consideration. The initial project schedule is to complete the updated Plan by mid-2025.

City Hall Roof Replacement

The 2024 budget includes \$330,000 for replacement of the roof at City Hall. City Staff is currently assembling the necessary bid documents and specifications. We expect to release the project for bidding later this month with a bid opening scheduled for mid-March. The roof replacement is anticipated to occur this summer.