

**Public Works and Capital Projects  
November 15, 2021**

**CAPITAL STREET PROJECTS – CITY FUNDED**

**2021 Selective Slab Replacement A** – The bid opening for Selective Slab Replacement A was held on February 16, 2021, with Amcon Municipal Concrete submitting the low bid. City Council approved a contract with Amcon on March 1, 2021 in an amount not to exceed \$2,075,000. That figure was subsequently supplemented to \$2,235,000 via change order (see below). There were 33,795 square yards of concrete pavement replaced as part of this project. The streets completed included: Claymont Estates Drive (Baxter to Denwoods), Isleview Drive, Denwoods Drive, Redondo Drive, Narrows Drive, and Corley Drive. This project was completed on August 25 at a total cost of \$1,954,104.



**River Valley Drive** – On April 21, 2021 City Council approved a change order to Amcon Municipal Concrete in the amount of \$160,000 in order to reconstruct the northern portion of River Valley Drive in concrete. Construction of the project began on May 13, 2021 and was completed on August 25.



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**2021 Selective Slab Replacement B** – The bid opening for Selective Slab Replacement B was held on February 18, 2021, with Raineri Construction submitting the low bid. City Council approved a contract with Raineri Construction on March 1, 2021 in an amount not to exceed \$625,000. Construction of this project began on June 14. All street pavement and sidewalks have been completed. Minor punch list items remain, which are scheduled to be completed by the end of November. There were 9,075 square yards of concrete pavement replacement as part of Selective Slab Replacement B. The streets completed included: Nardin Drive, Clover Ridge Drive, Stonebriar Ridge Drive, and Stonebriar Ridge Court. Project B also included the replacement of grated troughs on Chermore Drive and Fairfield Farm Drive, which were completed on April 15.



**Crack Sealing Project** – Bids were opened for the 2021 Crack Sealing Project on September 20, 2021, with Missouri Asphalt Sealing & Striping submitting the low bid of \$74,956. City Council approved a contract with Missouri Asphalt Sealing & Striping on October 4, 2021 in an amount not to exceed \$83,000. The pre-construction meeting was held on November 4, and Notice to Proceed was issued on November 11. This project will take approximately 60 days to complete, with crack sealing occurring on nearly 20 miles of public streets.

**Wildhorse Parkway Bridge Deck Concrete Overlay** – On May 3, 2021 the City Council approved a project to rehabilitate the concrete deck of the Wildhorse Parkway bridge over Bonhomme Creek. The contract was awarded to the low bidder, Concrete Strategies, in an amount not to exceed \$340,000.

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Construction began on July 26, with a one-lane restriction utilizing temporary signals being implemented that day. Project construction was completed, including removal of the temporary signals, on September 24, 2021. The bridge is open to two-way traffic and Staff is currently working on project close out documentation.



### **CAPITAL STREET PROJECTS – GRANT FUNDED**

**Wilson Avenue** – On October 8, 2020, the Planning and Public Works Committee directed City Staff to pursue a federal grant to partially fund the reconstruction of Wilson Avenue from the recently reconstructed culvert to Wild Horse Creek Road. The project was intended to address myriad deficiencies on Wilson Avenue, including: sharp curves, narrow lanes, insufficient drainage, and the lack of paved shoulders. The project would also fund improvements to the Wilson Avenue / Wild Horse Creek Road intersection, as well as add bicycle and pedestrian accommodations.

To assist in the conceptual design of the roadway project prior to the grant application, Staff prepared an online survey that was posted on the City’s website in the fall of 2020. Over 500 residents completed the survey and provided feedback on the project. The Planning and Public Works Committee reviewed the survey results at its December 10, 2020 meeting and provided additional direction to Staff for the grant application.

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A Surface Transportation Program (STP) grant application was submitted to East-West Gateway on February 11, 2021. However, Staff was notified in May that the City was not awarded the grant. On June 10, 2021, the Planning and Public Works Committee discussed the matter and directed Staff to obtain a cost estimate for engineering design services necessary to complete plans/specifications/estimate and support another grant application. In an effort to reduce costs and make it more likely that the grant submittal is successful, the Committee determined that the project should only include the area from Wild Horse Creek Road to a tie-in south of the S-curve. The project would include improvements to the Wild Horse Creek Road intersection, new pavement with an asphalt shoulder, drainage accommodations, a new alignment through the S-curve, and a shared use path for cyclists and pedestrians.

As directed by City Council, an in-person public informational meeting was held on August 23, 2021. At the meeting, the Director of Public Works provided a presentation on Wilson Avenue, including existing deficiencies, the proposed project scope, the project timeline, and a recent compromise between residents of the Walnut Hill Farm and Wilson Creek subdivisions. Residents were given the opportunity to ask questions and provide feedback on the potential improvements.

On August 30, 2021 City Council approved a budget amendment of \$320,000 for the purpose of funding engineering design services associated with Wilson Avenue improvements. City Staff then issued a Request for Qualifications for design services and five submittals were received. On November 1, 2021 City Council approved a contract with Oates Associates for design services. City Staff is currently working with Oates on executing the contract documents and work on preliminary plans, specifications, and a cost estimate will begin soon. This information will be used to submit another STP grant in February 2022. However, prior to any grant submittal, the details of the project will be presented to the public and the Planning and Public Works Committee at a public meeting. It is anticipated that that presentation will occur in January of 2022.

### **SIDEWALKS AND TRAILS**

**2021 Sidewalk Replacement Projects** – Due to the Emerald Ash Borer (EAB) crisis, City Maintenance Staff have been re-allocated to focus on tree removal. Accordingly, City Council has approved the EAB Action Plan whereby annual sidewalk funding will be approximately \$500,000 through 2022.

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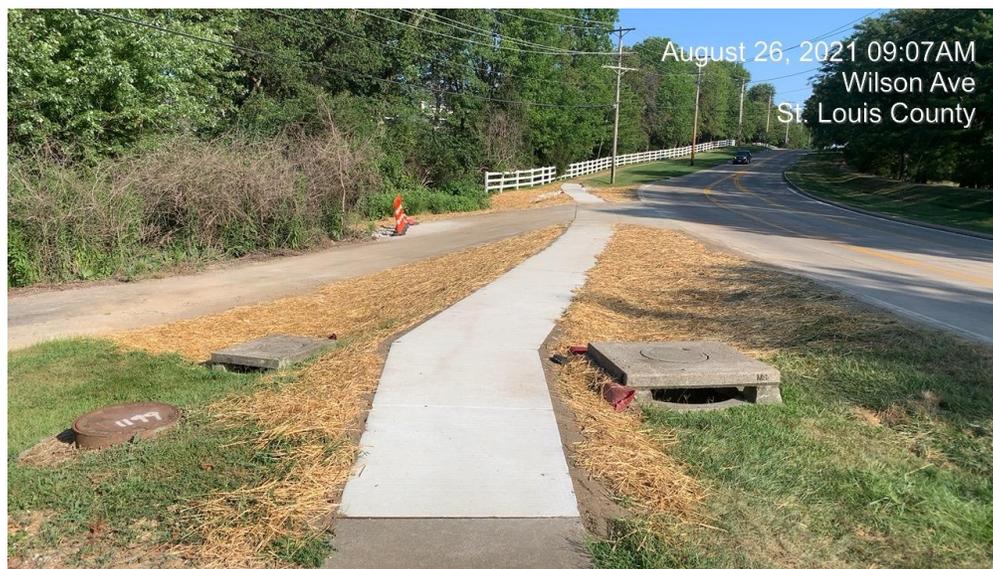


**2021 Sidewalk Replacement A** – This project corrected sidewalk deficiencies in the Round Hill, Kehrs Mill Farm, Kehrs Mill Bend, and Sycamore Place subdivisions. A bid opening was held on February 2, 2021, with Raineri Construction submitting the low bid of \$289,375. On February 17, 2021, City Council approved a contract with Raineri Construction in an amount not to exceed \$300,000. Construction began on March 24, 2021 and has been completed at a total cost of \$297,656.

**2021 Sidewalk Replacement B** – This project addressed miscellaneous sidewalk deficiencies throughout the City of Chesterfield, primarily identified through Work Orders and Requests for Action (RFAs). The bid opening for this project was held on March 2, 2021, with Lamke Trenching and Excavating submitting the low bid of \$212,150. On March 15, 2021, City Council approved a contract with Lamke in an amount not to exceed \$270,000. This includes the addition of the Wilson Avenue Sidewalk project, detailed on the next page. Construction on Sidewalk Project B began on April 12 and has been completed at a total cost of \$269,161.

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**Wilson Avenue Sidewalk** – At the February 16, 2021 City Council meeting, a 2021 Budget Amendment in the amount of \$48,000 was approved for the construction of a missing section of sidewalk on the west side of Wilson Avenue north of Buchholz Mortuary. Staff contracted with Pickett, Ray and Silver to obtain a topographic and property line survey of the project area and the survey was delivered to the City on May 10, 2021. Construction of this sidewalk began on August 5, 2021 and was completed on August 18 at a total cost of \$36,785. This is well under budget as the City’s Engineering Staff was able to design and construct the sidewalk within existing right of way.



**Riparian Trail** – Phase II of the Riparian Trail will begin at August Hill Drive, head north through Central Park, cross Wild Horse Creek Road, and terminate at Old Chesterfield Road. This project is partially funded through a \$1 million grant acquired through the Transportation Alternatives Program (TAP). All remaining project costs outside the grant will be funded through the Chesterfield Valley Transportation Development District (TDD), resulting in no net cost to the City of Chesterfield.

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, and the closing documents with CVI were signed by the City on June 20, 2019.

Construction of this project was originally planned to commence in late summer of 2020. However, Staff secured a project extension from East-West Gateway which delayed the project to 2021 to allow time for design coordination with the adjacent Wildhorse Village project. That project will

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include construction of the Burkhardt Place extension and signalization of the Burkhardt Place/Wild Horse Creek Road intersection to which the Riparian Trail is planned to connect.



Construction bids were opened for the Riparian Trail project on July 27, 2021 with Ideal Landscape Management submitting the low bid. After review by City Staff and formal bid concurrence from MoDOT, the City Council approved a construction contract with Ideal Landscape Management in an amount not to exceed \$880,000. Ideal Landscape Management began work on October 11, 2021 and is currently clearing brush and removing trees along the project alignment. This project should be completed by July of 2022.

**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** – This section of the Levee Trail extends from just north of I-64 to the northeast corner of Top Golf. Once constructed, this section of the Levee Trail will fill the remaining “gap” in the Levee Trail. The project was previously on hold due to a Levee Improvement Project, managed by the Monarch-Chesterfield Levee District. The Levee Improvement Project was recently completed. The City is currently in negotiation with the underlying property owners for easements necessary to construct Phase VI of the Levee Trail.

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It is important to note that the Monarch–Chesterfield Levee is located on private property and the City has no right to construct a trail on the levee without an easement. Accordingly, City Staff has contacted the owners of the affected properties in order to acquire the easements necessary to construct the Levee Trail extension. On February 1, 2021 City Council approved ordinances authorizing negotiation and the use of condemnation, if necessary, to acquire the easements for the project. City Engineering Staff has contacted all affected property owners and made written monetary offers for the required easements. City Engineering Staff and the City Attorney met with the owners’ attorney in June. Since then, the City Attorney has made multiple attempts to communicate further with the owners’ attorney but has gotten no response. Accordingly, the City is pursuing condemnation through the City Attorney’s office. Construction of this project cannot commence until all necessary easements are obtained.

**Accessible Ramp Improvements (CDBG-2020)** – This project involved the reconstruction of approximately 20 ADA compliant sidewalk ramps in the Wildhorse Springs and Woodcliffe Place subdivisions. The bid opening was held on February 16, 2021, with Spencer Contracting submitting the low bid of \$60,443. On March 1, 2021, City Council approved a contract with Spencer Contracting in an amount not to exceed \$62,306. This project is entirely funded through the CDBG Program, administered by St. Louis County. Construction began on May 17, 2021 and was completed at a total cost of

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\$60,443. Please note that this is considered a 2020 project as the 2020 CDBG funding did not become available until 2021.



### **MISCELLANEOUS PROJECTS**

**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 comments 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 several times. The most recent update Staff received from SEMA was on August 20, 2021, at which time SEMA indicated they are in the final stages of coordinating with levee districts in St. Louis County and that issuance of the preliminary FIRMs is expected in January 2022. The new FIRMs are expected to officially become effective in late 2023. 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.

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**Sewer Lateral Program** – In the month of October, the City of Chesterfield received eight applications for sewer lateral repairs, of which six were approved. As of January 1, 2021, the City has received 104 applications for repair, of which 84 have been approved.



**Main Circle Drive** – In cooperation with the Parks Department, Engineering Staff is working to design an extension of Main Circle Drive from its existing terminus at the Main Circle Drive round-a-bout to Veterans Place Drive. The first step in this effort is to obtain accurate survey information. Stock & Associates has been authorized to begin the necessary survey work as soon as possible. Once the survey is finished engineering design services will be necessary to complete plans for the roadway, including storm sewers. An engineering design services contract will likely be presented to City Council for consideration in early 2022.

**City Hall Lighting Improvements** – This project addresses areas of the parking lot with low lighting levels, as well as an overall upgrade to more energy efficient LED fixtures. Bids for this project were publicly opened on March 2, with Rolwes Electric submitting the low bid. City Council approved a contract with Rolwes Electric at its March 15, 2021 meeting, in an amount not to exceed \$209,000. A preconstruction meeting was held on April 27, 2021, at which time the Notice to Proceed was issued. Shop drawings were approved

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and materials were ordered on May 14, 2021. All materials were delivered to City Hall on October 15, 2021. Rolwes began installation on October 18, 2021 and completed installation on November 9, 2021. Staff is currently working with Rolwes on punch list items, including two wall mounted fixtures which were damaged during installation. The approximate lead time for those fixtures is four weeks. This project was an overwhelming success and has dramatically improved the lighting and night-time appearance of City Hall.



**Street Tree Inspections and Removals** – During the month of October, the City of Chesterfield received 64 requests for street tree inspections. These inspections resulted in the approval for removal of 51 street trees. Based upon previous inspections, the City of Chesterfield managed the contractual removal

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of 35 street trees (30 non-Ash and 5 large White Ash) as well as the grinding of 95 stumps during the month of October.



**Emerald Ash Borer Preparedness Plan and Action Strategy** – During the month of October, 89 Ash trees were removed by Public Works maintenance personnel. There are approximately 1,100 Ash trees remaining, which are all scheduled for removal by December of 2022. It is noteworthy that the Ash mortality rate in the St. Louis area increased significantly during 2021. The remaining Ash trees in City right of way are experiencing significant branch loss and crown deterioration, leading to an increased need to remove these trees as soon as possible.

**Residential Street Tree Planting Program** – In October Farinella Nursery resumed planting street trees, including those trees which had to be delayed as part of the Spring 2021 planting. To date, 196 of the 232 trees requested as part of the Spring 2021 planting have been planted. Once the delayed Spring trees are planted, the Fall 2021 planting will begin, which includes a total of 193 trees.

The availability of wholesale nursery stock continues to limit our ability to plant trees. We hope to be able to complete the Fall 2021 planting by early 2022. However, due to the lack of available trees of the type / size / quality we will accept, City Staff remains concerned. Accordingly, the Spring 2022 planting has been capped at 149 trees to avoid further delays. Once we are confident that suitable trees are available, we will open tree planting applications for the Fall of 2022.