

Public Works and Capital Projects
July 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. This project began on March 26, and all main line pavement has been completed. Punch list items will be completed over the next few weeks. There are 33,795 square yards of concrete pavement replacement as part of this project. Streets included: Claymont Estates Drive (Baxter to Denwoods), Isleview Drive, Denwoods Drive, Redondo Drive, Narrows Drive, and Corley Drive. Please note that concrete street replacement is also occurring on Claymont Estates Drive south of the City's project (Denwoods to Clayton). That work is also being completed by Amcon, under a restoration contract with Missouri American Water Company.



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. There are 9,075 square yards of concrete pavement replacements as part of this project. Streets include: Nardin Drive, Clover Ridge Drive, Stonebriar Ridge Drive, and Stonebriar Ridge Court. Project B also includes the replacement of grated troughs on Chermore Drive and Fairfield Farm Drive, which were completed on April 15. Construction of this project commenced on June 14, with Nardin Drive being completed on July 2. Construction on Stonebriar Ridge Drive and Stonebriar Ridge Court is currently in progress.

Crack Sealing Project – The 2021 crack sealing project is scheduled to be bid in the fall. Crack sealing is generally most effective in late fall/early winter when streets are contracting and the cracks are open.

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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 July 2. Minor punch list items remain.



Wildhorse Parkway Bridge Deck Concrete Overlay – The approved 2021 budget includes \$350,000 for a bridge maintenance project to rehabilitate the existing deck on the Wildhorse Parkway bridge over Bonhomme Creek. City Council approved a contract with the low bidder, Concrete Strategies, on May 3, 2021 in an amount not to exceed \$340,000. Contracts have been executed and construction is scheduled to begin on July 26, 2021. During construction, it will be necessary to restrict traffic on the bridge to one lane. Temporary signals will be utilized to control traffic while the one lane restriction is in place, which is estimated at 60 days. Notifications were mailed on July 8, 2021 to all property owners located south of the bridge and changeable message boards will be placed in the area of the bridge the week of July 19, 2021. Notifications of the one lane restriction will also be posted on the City’s web site and distributed by way of the City’s social media outlets.



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CAPITAL STREET AND SIDEWALK 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.

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. The Planning and Public Works Committee directed that the estimated design cost be presented to the PPW Committee at its July 22 meeting. At that meeting, the PPW Committee will direct Staff as to whether / how it should proceed with improvements to Wilson Avenue.

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 will correct sidewalk deficiencies in the Kehrs Mill Farm, Kehrs Mill Bend, Sycamore Place, Round Hill, and the Courts 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 is currently occurring in the Kehrs Mill Farm subdivision.

2021 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). 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, 2021 and is ongoing.

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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 will be added to the Sidewalk Replacement B project via change order, allowing the construction of the sidewalk during the summer of 2021.

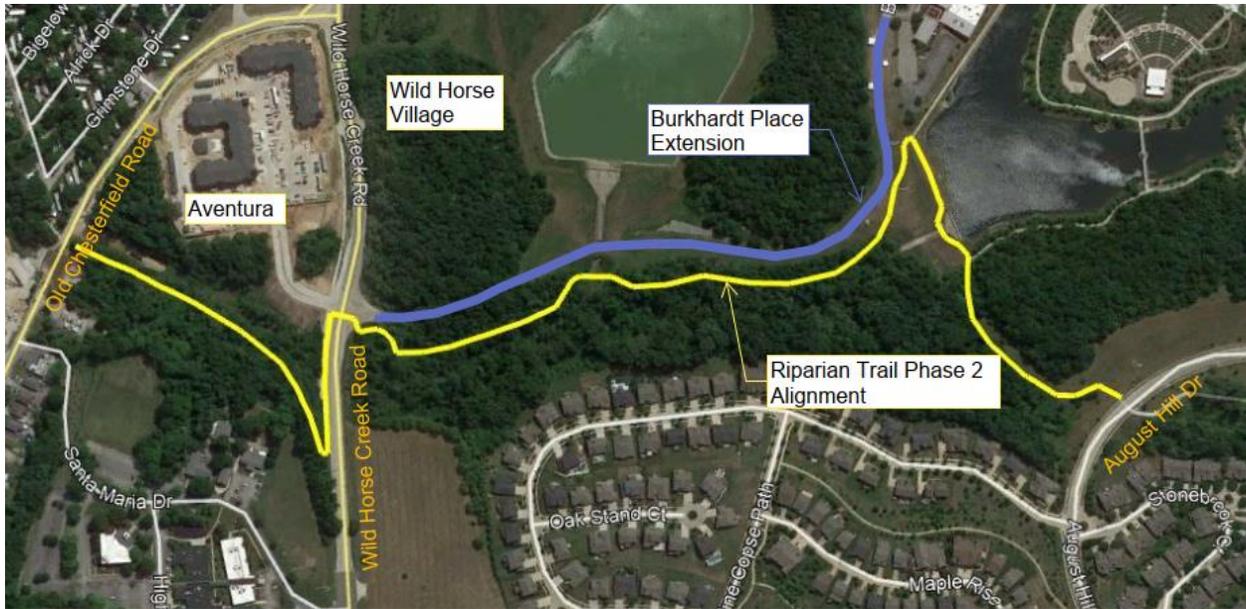


Riparian Trail – In 2021, the City of Chesterfield will construct Phases II and III of the Riparian Trail. The Riparian Trail extension will begin at August Hill Drive, head north through Central Park, cross Wild Horse Creek Road, and terminate at Old Chesterfield Road. This \$1.5 million project will be 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. Execution of a Program Agreement with MoDOT and execution of a design contract with George Butler and Associates (GBA) were authorized by City Council on March 19, 2018.

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.

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Construction of this project was originally planned to commence in late summer of 2020. However, the Wildhorse Village project will include construction of the Burkhardt Place extension and signalization of the Burkhardt Place/Wild Horse Creek Road intersection. In order to allow for necessary coordination with the developer on the design of the trail crossing at the new signal, Staff secured a project extension from East-West Gateway, delaying this project to 2021.



The final Plans, Specifications, and Estimate (PS&E) for the trail were revised to coordinate with the Burkhardt extension and the Wild Horse Creek intersection plans, and PS&E have been approved by MoDOT. The project is currently advertised for bids with a July 27 bid opening date. We expect construction to commence late summer.

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. In April the Monarch-Chesterfield Levee District began constructing upgrades to the levee adjacent to the Phase VI project, and these upgrades must be completed prior to the City beginning construction of this phase of the Levee Trail. Currently the grading improvements through the Phase VI project limits are roughly 90% complete.

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The Levee District project includes widening the top of the levee and constructing a wider base with a flat “bench” area approximately 15 feet lower than the top of levee. The proposed trail is designed to transition from the top of the levee down to the river-side bench area behind an existing residence. This trail transition to the bench area will provide a visual buffer between trail users and the property owner’s home. It is also intended to help in easement acquisition by addressing one of the property owner’s primary concerns about the trail project.



KDG, the City’s design consultant for the Levee Trail, has incorporated the Levee District grading project design into the design plans for Phase VI of the Levee Trail. The Levee Trail plans have been approved by the Monarch-Chesterfield Levee District, the US Army Corps of Engineers, MSD, and MoDOT.

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 has made written monetary offers for the required easements. City Engineering Staff and the City Attorney met with the owners’ attorney in June and will continue to attempt to acquire the easements without resorting to condemnation if possible.

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Accessible Ramp Improvements (CDBG-2020) – This project involves 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 on June 4, 2021. We are currently waiting for Spencer to submit final paperwork in order to close out this project. Please note that this is considered a 2020 project, but the 2020 CDBG funding did not become available until 2021.



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MISCELLANEOUS PROJECTS

Sewer Lateral Program – In the month of June, the City of Chesterfield received nine applications for sewer lateral repairs, of which seven were approved. As of January 1, 2021, the City has received 61 applications for repair, of which 52 have been approved.



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, with a current expected date of issuance for the preliminary FIRMs of August 16, 2021. 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

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will continue to update the website, and this report, as we obtain additional information.

Street Tree Inspections and Removals – During the month of June, the City of Chesterfield received 183 requests for street tree inspections. These inspections resulted in the approval for removal of 149 street trees. Based upon previous inspections, the City of Chesterfield managed the contractual removal of 25 street trees (20 non-Ash and 5 large White Ash) as well as the grinding of 95 stumps during the month of June.

On June 19, a severe storm with high winds caused extensive damage to trees throughout the City. An initial post-event street tree survey identified 83 fallen street trees and approximately 350 seriously damaged street trees. Trees are considered severely damaged if they lost more than one significant crown branch or sustained potentially problematic trunk damage. The City Arborist will continue to assess these trees, prioritize the damage, and schedule removal if appropriate.



Beginning immediately after the storm, Street Maintenance personnel began clearing City streets, eliminating hazards, and removing storm debris from the road. On June 21, 2021 the City of Chesterfield declared a Local Disaster, initiating an effort whereby City maintenance personnel would assist residents

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by removing any tree, branch, or limb brought to the curb by July 12, 2021. On July 12, 2021, Street Maintenance personnel completed its first pass through the City's public streets. A second pass was begun immediately afterward and is ongoing. Once the public streets are cleared Street Maintenance personnel will enter private subdivisions (which have provided a request and authorization) in order to remove trees, limbs, and branches at the curb in those subdivisions. We hope to have all storm debris from the June 19 storm removed by July 30.

Emerald Ash Borer Preparedness Plan and Action Strategy – During the month of June (prior to the storm referenced above) 55 Ash trees were removed by Public Works maintenance personnel. There are approximately 1,400 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 2020. 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 – As part of the Spring planting program, the City received 110 applications for a total of 232 new street trees. Farinella Nursery began planting these trees on April 23, 2021, and was able to plant 104 trees. Unfortunately, shipping delays of nursery stock and hot weather not conducive to successful tree planting, caused us to stop the Spring planting on June 7, 2021. Farinella will resume planting the remaining 128 trees in the Fall. All residents who have requested trees as part of the Spring planting have been notified of the delay.

Applications for the Fall planting were due by July 1. The City received applications for approximately 150 trees for the Fall planting. Farinella will also begin planting those trees in the Fall.

City Hall Lighting Improvements – The 2021 Budget includes \$209,000 for improvements to the exterior lighting at City Hall. This project will address 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. It was noted by Rolwes Electric at the preconstruction meeting that they are experiencing longer than normal lead times on materials. Shop drawings were approved and materials were ordered on May 14, 2021, with an expected delivery date of late September. Installation will begin once all items have been received by Rolwes Electric.