

Public Works and Capital Projects
August 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 is substantially complete. Punch list items will be completed over the next few weeks. There were 33,795 square yards of concrete pavement replaced as part of this project. The 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 also occurred on Claymont Estates Drive south of the City’s project (Denwoods to Clayton). That work was also completed by Amcon, under a restoration contract with Missouri American Water Company.



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.

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 commenced on June 14, with Nardin Drive being completed on July 2. Construction is currently in progress on Stonebriar Ridge Drive, Stonebriar Ridge Court, and Clover Ridge Drive. This project is approximately 60% complete at this time.

There are 9,075 square yards of concrete pavement replacements as part of Selective Slab Replacement Project B. Streets include: Nardin Drive, Clover

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Ridge Drive, Stonebriar Ridge Drive, and Stonebriar Ridge Court. Project B also includes the replacement of grated troughs on Chermoore Drive and Fairfield Farm Drive, which were completed on April 15.



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 substantially completed on July 2, 2021. Minor punch list items remain.



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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. Construction began on July 26, with a one-lane restriction utilizing temporary signals being implemented that day. Milling and hydro-demolition have been completed on the eastern half of the bridge. Latex modified concrete was installed on the eastern side of the bridge during the night of August 11 / August 12. Night paving is necessary due to the temperature restrictions associated with latex modified concrete. This project is approximately 35% complete. We expect the project to be substantially completed by September 24, 2021 at which time the traffic signals will be removed and the bridge will be re-opened to two-way traffic.



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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.

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. An engineering estimate of \$320,000 was provided to the Planning and Public Works Committee at its July 22, 2021 meeting.

On August 2, 2021 City Council voted to postpone consideration of the budget transfer request. Instead, City Council directed that an in-person public informational meeting be held to describe the need for the project and obtain additional public input. That public informational meeting will be held on August 23, 2021 at 5:00pm.

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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.



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 was substantially completed on August 6, 2021. Raineri is currently addressing punch list items and submitting final paperwork.

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2021 Sidewalk Replacement B – This project addresses 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 below. Construction on Sidewalk Project B began on April 12, 2021 and is ongoing.

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 is expected to be completed by August 20.

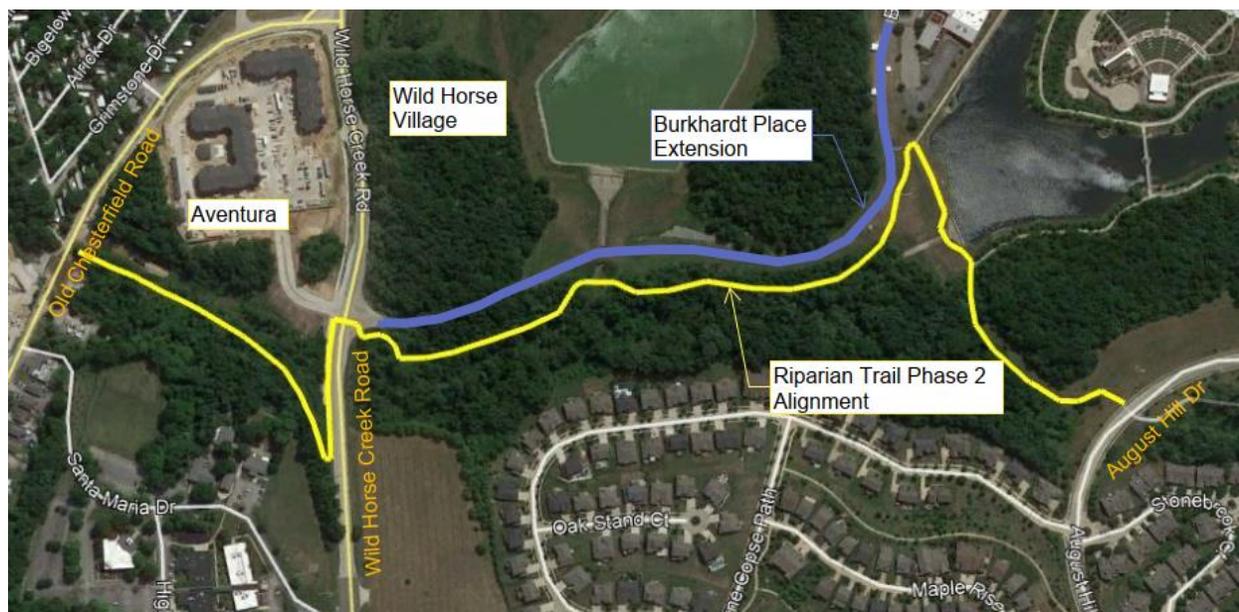


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Riparian Trail – In 2021, the City of Chesterfield will construct Phases II and III of the Riparian Trail. The Riparian Trail extension will begin at August Hill Drive, head north through Central Park, cross Wild Horse Creek Road, and terminate at Old Chesterfield Road. This 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.

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.



Construction bids were opened on July 27, 2021, and they are currently under review by MoDOT for final concurrence. On August 16, 2021 City Council will consider approval of a construction contract with Ideal Landscape Management

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in an amount not to exceed \$880,000. Construction is expected to commence as early as late August.

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.

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.



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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 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. 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 substantially 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 July, the City of Chesterfield received 13 applications for sewer lateral repairs, of which 10 were approved. As of January 1, 2021, the City has received 74 applications for repair, of which 62 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 issuance of the preliminary FIRMs during the week 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

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

Street Tree Inspections and Removals – During the month of July, the City of Chesterfield received 93 requests for street tree inspections. These inspections resulted in the approval for removal of 45 street trees. Based upon previous inspections, the City of Chesterfield managed the contractual removal of 38 street trees (35 non-Ash and 3 large White Ash) as well as the grinding of 115 stumps during the month of July. Storm clean-up operations continued through July with the Street Maintenance crew removing an additional 24 damaged or hazardous non-Ash right-of-way trees.



Emerald Ash Borer Preparedness Plan and Action Strategy – During the month of July, 21 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, 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 suspend 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.

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The deadline for the Fall planting program was July 1. The City has received 91 applications for a total of 193 trees as part of the fall program. The planting of those trees will begin in September or October.

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.