

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

**CAPITAL STREET PROJECTS – CITY FUNDED**

**2021 Selective Slab Replacement A** – The bid opening for Selective Slab Replacement A is scheduled to be held on February 16, 2021. There are 33,795 square yards of concrete pavement replacements as part of this project. Streets include: Claymont Estates Drive, Isleview Drive, Denwoods Drive, Redondo Drive, Narrows Dr, and Corley Drive.

**2021 Selective Slab Replacement B** – The bid opening for Selective Slab Replacement B is scheduled to be held on February 18, 2021. 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 will also include the replacement of grated troughs on Chermore Drive and Fairfield Farm Drive.

**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.

**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. This project is scheduled for a bid opening in late April, with construction anticipated in the early summer of 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. Advance notification will be provided to area residents and subdivision trustees.



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

**River Valley Drive** – Pavement undermining problems persist on the northern portion of River Valley Drive. Engineering Staff have investigated the problem extensively and determined that the best method to correct this problem is a full depth pavement asphalt reclamation along with the installation of underdrains. Full depth pavement reclamation is the process whereby the existing asphalt and base is reworked and repurposed as a subgrade for a new asphalt roadway. Engineering Staff is pursuing a contract for this project through a City Council approved cooperative procurement program called The Interlocal Purchasing System (TIPS). The project scope and fee have been approved by TIPS. Engineering Staff is finalizing the construction contract. We anticipate this project will be constructed in the early summer of 2021. Residents and subdivision trustees will be notified of the project details soon.



**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. If the grant application is successful, this project will 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.

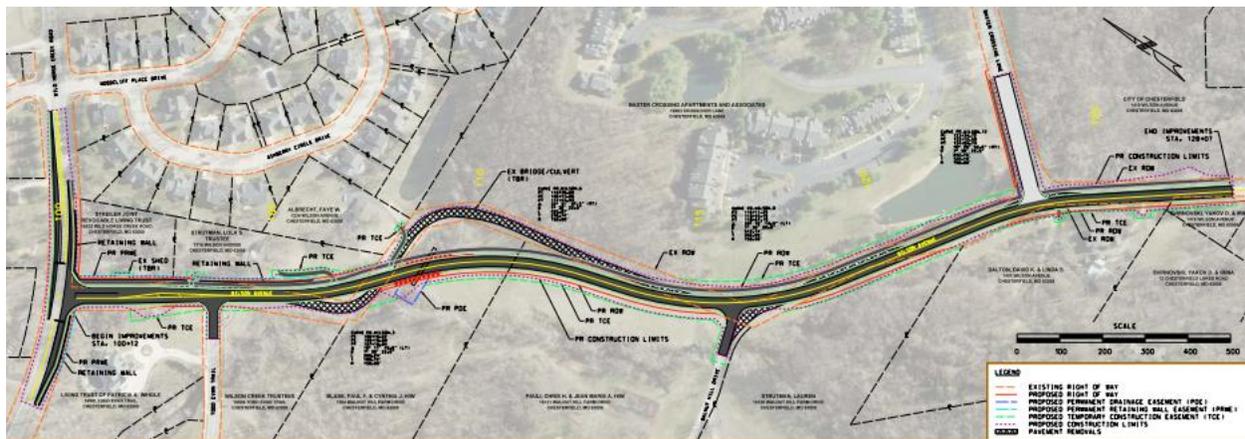
To assist Staff in the conceptual design of the roadway project prior to the grant application, Staff prepared an online survey for City residents that was

## Public Works and Capital Projects February 15, 2021

posted on the City 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. Staff expects to be notified of the grant award status this summer. If the grant is awarded, Staff will hold an Open House or otherwise seek additional resident input prior to preparing preliminary design plans and prior to preparing final construction plans.

The following is the conceptual road realignment.



**Schoettler Road Sidewalk** – City Staff submitted a Transportation Alternatives Program (TAP) grant application on August 20, 2020 to construct sidewalk and crosswalks on Schoettler Road. Staff was notified by East-West Gateway in January 2021 that the City was not awarded the grant. The project would have funded approximately 1,500 linear feet of sidewalk on the east side of Schoettler Road from Windsor Valley Court to Greenleaf Valley Drive where there is currently no sidewalk on either side of Schoettler Road.

In conjunction with the grant detailed above, City Staff reviewed the feasibility of converting one lane of the Schoettler Spur Road from vehicular traffic to a pedestrian/bike path for travel between Schoettler Road and Chesterfield Parkway. The intent is to connect the existing pedestrian network on Schoettler Road to Chesterfield Parkway.

Staff will continue to look for grant funding opportunities to improve pedestrian connectivity along Schoettler Road.

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

**SIDEWALKS AND TRAILS**

**2021 Sidewalk Replacement Projects** – Due to the Emerald Ash Borer (EAB) crisis, City Maintenance Staff has 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.

**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. The bid opening was held on February 2, 2021, with Raineri Construction submitting the low bid of \$289,375. On February 17, 2021, City Council will consider approval of a contract with the low bidder, Raineri Construction, in an amount not to exceed \$300,000. Construction is expected to begin in April of 2021.

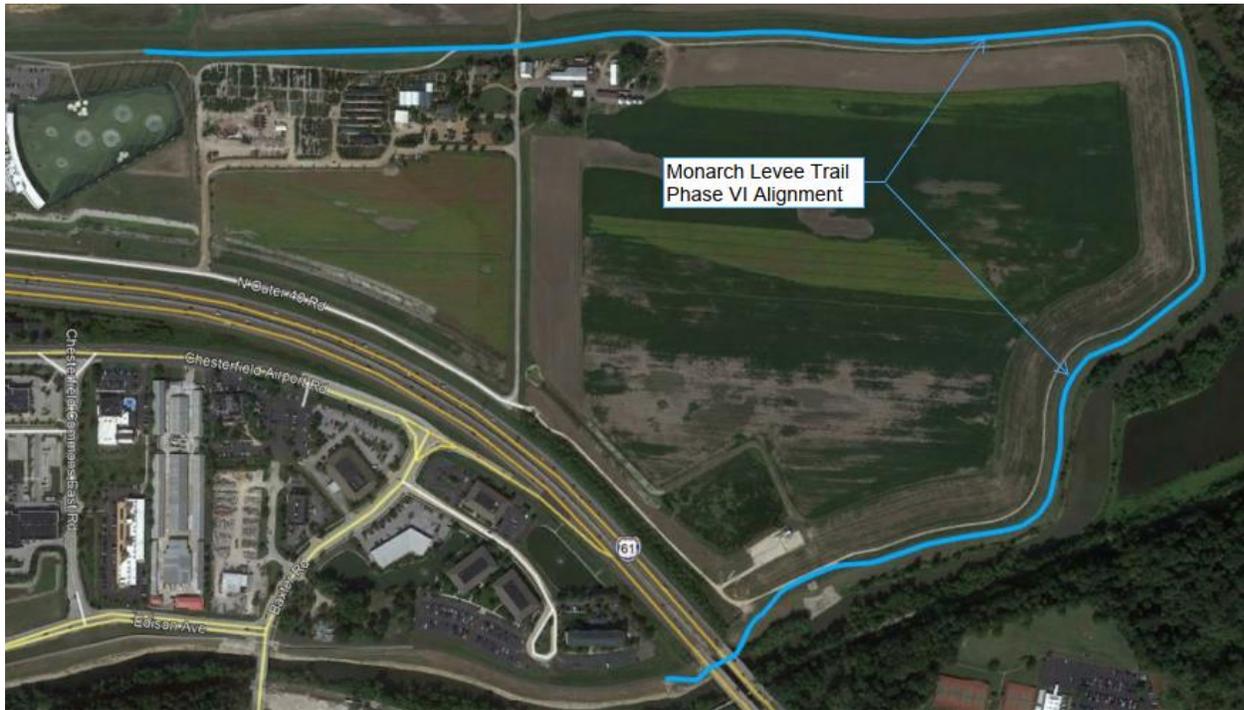
**2021 Sidewalk Replacement B** – This project will address miscellaneous sidewalk deficiencies throughout the City of Chesterfield, primarily identified through Work Orders and Requests for Action (RFAs). The bid opening for this project will be held on March 2, 2021, with construction expected to begin in April of 2021. This is anticipated to be a year-long contract.

**Accessible Ramp Improvements (CDBG-2020)** – This project will involve the reconstruction of approximately twenty ADA compliant sidewalk ramps in the Wildhorse Springs and Woodcliffe Place subdivisions. The bid opening will be held on February 16, 2021. This project is entirely funded through the CDBG Program, administered by St. Louis County. Construction is anticipated to begin in May of 2021. Please note that this is considered a 2020 project, but the CDBG funding was not released by St. Louis County until 2021.

**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 section) 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. This spring the Monarch-Chesterfield Levee District will begin constructing upgrades to the existing levee adjacent to the Phase VI trail project, and these upgrades must be completed prior to the City beginning construction of this phase of the Levee Trail.

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



The Levee District project will include 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 and is 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, and MSD. MoDOT approval is anticipated by the end of February.

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 will work with 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 the use of condemnation, if necessary, to acquire the easements for the project. Staff will negotiate and acquire the easements without resorting to condemnation if possible. In February, the City will send

## Public Works and Capital Projects February 15, 2021

Notice of Acquisition letters to each of the property owners to formally begin the easement acquisition process.

**Riparian Trail** – In 2021 the City of Chesterfield will construct Phases two and three of the Riparian Trail. The Riparian Trail extension will begin at August Hill Drive, head north through Central Park, across 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.

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

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

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 have been revised to coordinate with the Burkhardt extension and the Wild Horse Creek intersection plans. We are currently waiting for Right of Way Clearance and Final PS&E Approval from MoDOT. Once those are received, we will advertise for bids, with an expectation that the construction of the Riparian Trail will commence this summer.

**MISCELLANEOUS PROJECTS**

**Sewer Lateral Program** – In the month of January, the City of Chesterfield received 17 applications for sewer lateral repair, of which 16 were approved.



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

**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. The design and bid package for this project are complete, and the project is scheduled for a March 2, 2021 bid opening. Construction of this project is scheduled to commence this summer, subject to City Council approval.

**Street Tree Inspections and Removals** – During the month of January, the City of Chesterfield received 22 requests for street tree inspections. These inspections resulted in the approval for removal of 28 street trees. Based upon previous inspections, the City of Chesterfield managed the contractual removal of 40 street trees (5 non-Ash and 35 large White Ash) as well as the grinding of 90 stumps during the month of January.

**Emerald Ash Borer Preparedness Plan and Action Strategy** – During the month of January, 40 Ash trees were removed by Public Works maintenance personnel. There are approximately 1,800 Ash trees remaining, which are all scheduled for removal by December of 2022.

**Residential Street Tree Planting Program** – During the month of January, Farinella Nursery installed 100 of the 379 new street trees scheduled to be planted as part of Fall 2020 program. To date 325 of these trees have been installed.

**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. On September 30, 2020, SEMA issued a revised schedule for issuance of the Preliminary FIRMs. The preliminary map issuance date is tentatively set for February 19, 2021. New effective FIRMs are expected to be formally issued in early 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.