

Public Works and Capital Projects
June 15, 2017

CAPITAL STREET PROJECTS – CITY FUNDED

2017 Selective Slab Replacement A – The bid opening for Selective Slab Replacement A was held February 21, 2017. On March 6, 2017 City Council approved a contract with the low bidder, J.M. Marschuetz, in an amount not to exceed \$1,100,000. The contractor began work on June 5 in the Ladue Farms subdivision. There are 17,075 square yards of concrete pavement replacement as part of this project. Streets include: Ridge Crest Drive, Shady Valley Drive, Kaywin Court, Cedar Bridge Road, and Cedar Bridge Court.

2017 Selective Slab Replacement B – The bid opening for Selective Slab Replacement B was held February 23, 2017. On March 6, 2017 City Council approved a contract with the low bidder, E. Meier Contracting, in an amount not to exceed \$900,000. Notice to proceed was issued for June 19. There are 12,810 square yards of concrete pavement replacement as part of this project. Streets include: Countryside Manor Court, Forsheer Drive, Forsheer Court, Woodcliffe Place Court, Chesterfield Estates Drive, Chesterfield Estates Court, Kimwood Court, and Riverdale Circle.

Crack Sealing Project – The 2016 crack seal project was completed on February 16, 2017.

2017 Trench Grates Project – The bid opening for this project was held on March 7, 2017 with R.V. Wagner Construction submitting the low bid. A contract was approved by the City Council at its March 20, 2017 meeting in an amount not to exceed \$170,000. This project, which replaced deteriorated trench grates throughout the City of Chesterfield, is nearly complete, with only joint sealing remaining.

Wilson Avenue Culvert Replacement Project – On May 5, 2014 City Council approved a contract with Oates Associates to design a culvert to replace the one lane culvert on Wilson Avenue. Oates has completed a final design package, including plans, specifications and estimate, and has coordinated with the area utility companies. Easements have been acquired for two of the required three parcels. *Negotiations for the third easement stalled and City Council authorized the City Attorney to pursue condemnation, via ordinance, on September 7, 2016. The timeline for advertisement for bid and construction is unknown at this time as the project cannot proceed until the third easement is obtained.*

Schoettler Road Turn Lanes – Staff will soon begin designing a project to add a left turn lane on Schoettler Road at its intersection with Georgetown Road, as directed by the Planning and Public Works Committee. It appears the turn

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lane at Georgetown can be constructed without additional right of way. However, if additional right of way could be acquired from the property at 2290 Schoettler Road, the project could be expanded, and improved, to include a turn lane at Westerly Place and removal of the sharp horizontal curve just south of Westerly Place. The Public Works Director met with the owner of 2290 Schoettler Road in early March, at which time she confirmed that she is NOT agreeable to conveying additional right of way for that purpose. Accordingly, Staff will continue with the design of this project, including only the turn lane at Georgetown at this time. As part of the design of this project a construction estimate will be completed and included in the 2018 Budget submittal.

Wildhorse Parkway and Wilson Avenue Asphalt Overlay – The City Staff is developing a preliminary plan and cost estimate for base repairs and an asphalt overlay on Wildhorse Parkway and the northern portion of Wilson Avenue. It is anticipated that this project will be designed in 2017 and included as part of the 2018 Budget submittal.

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Greentrails Drive South Project – This project was awarded federal STP funding (70%) for the design, right-of-way/easement acquisition, and reconstruction of Greentrails Drive South between White Road and Ladue Road. City Council approved a construction contract with J.M. Marschuetz Construction on April 20, 2016 in an amount not to exceed \$2,225,000. This project was completed on April 12, 2017 at a total cost of \$2,095,830. City Staff is currently working with J.M. Marschuetz and MODOT to complete the necessary documentation to close the project.

A number of trees planted as part of this project did not survive the transplant process. Each of these trees will be replaced, at no cost, through the project warranty. Thus far 21 such trees have been replaced. Several additional replacements are warranted, but replacement is not recommended at this time due to warm/dry weather. Those dead trees have been cut and removed, and replacement trees will be planted this fall.

Chesterfield Parkway East Pedestrian Bridge – This project was awarded federal TAP funding for construction of a pedestrian bridge across I-64 along Chesterfield Parkway, including sidewalk, street lighting, and bicycle safety improvements between Conway Road and Schoettler Valley Drive. The grant provides funding for up to \$900,000 of the construction costs. City Council approved a construction contract with Millstone Weber in an amount not to exceed \$1,841,800, and Notice to Proceed was issued September 8, 2016.

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At this time work is proceeding on final grading, sidewalk construction, fence and safety rail installation, and final lighting installation. Sodding is expected to occur during the week of June 19th. Completion of this project is anticipated in July.

Schoettler Road Bridge – This project was awarded federal BRM funding (80%) for preliminary engineering in 2015, right of way acquisition in 2016, and construction in 2017. The project involves reconstructing the existing two lane bridge to include bike lanes, sidewalks, and shoulders. Two lanes of traffic will be maintained on Schoettler Road throughout the project utilizing construction staging. The estimated cost of this project is just over \$2,000,000, of which 80% will be reimbursed through the BRM grant. Right of way plans were approved by MoDOT in March 2016. Staff concluded negotiations with property owners and MoDOT issued right of way clearance in April 2017. MoDOT approved the plans, specifications, and estimate (PS&E) on May 9, 2017 and funding was obligated by FHWA on May 19, 2017. Sealed bids are scheduled to be opened on July 6, 2017. Subject to Council approval, construction should commence late summer of 2017. Six utility poles require relocation due to the realignment of the roadway. Ameren UE is scheduled to begin relocation in July.

Old Chesterfield Road – An application for Surface Transportation Program (STP) funding was submitted on March 2nd for improvements to Old Chesterfield Road between Wild Horse Creed Road and Baxter Road. The scope of the grant submittal included replacing a deficient culvert and pavement resurfacing. In May the City Staff learned that East West Gateway did not recommend the project for federal funding. This project will move forward, and design work on the culvert will commence in late 2017. An RFQ for design services was issued on May 31, 2017, with a response deadline of June 15, 2017. The City Staff will likely re-submit for grant funding in 2018, excluding design services.

SIDEWALKS AND TRAILS

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 closure will remain until the next phase (Phase VI - see below) is constructed, at which time a safety barrier will be installed and the erosion caused by the bridge scuppers will be corrected.

Monarch Chesterfield Levee Trail Phase VI – This section of the Levee Trail extends from just north of I-64 to the ice complex. This project was originally

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delayed due to pump station work for Watershed 5 by the United States Army Corps of Engineers (USACE). The Watershed 5 pump station work is now complete; however, the Levee District has planned a substantive grading project in this area for 2017. City Staff has met several times with the Levee District and we believe that a preferred Levee Trail route has been identified and can be incorporated as part of the Levee District project. However, the design of this project is on hold until the scope and timing of the Levee District project is better defined. Once design does commence, it will include revisions to the existing trail to eliminate the steep grades under the I-64 overpass. City staff has held a preliminary meeting with the majority property owner to discuss alignment and other concerns. However, further easement negotiation cannot continue until the Levee District plans are finalized.

Sidewalk Replacement Projects – Due to the Emerald Ash Borer crisis, City maintenance staff has been re-allocated to focus on tree removal. Accordingly, City Council authorized an increase in annual contractual sidewalk funding to \$500,000.

2017 Sidewalk Replacement A – This project will address sidewalk deficiencies in the Chesterfield Farms and Chesterfield Hill subdivisions. On April 19, 2017 City Council approved a contract with the low bidder, Amcon Construction, in an amount not to exceed \$300,000. Construction began the week of May 8, 2017 and is currently being completed in the Chesterfield Farms subdivision.

2017 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). On March 20, 2017 City Council approved a contract with the low bidder, Amcon Municipal Concrete, in an amount not to exceed \$200,000. This is anticipated to be a year-long contract. Construction on this project also began the week of May 8, 2017.

Accessible Ramp Improvements (CDBG-2017) – The City of Chesterfield will once again utilize funds available through the Community Development Block Grant Program to construct ADA compliant sidewalks and curb ramps. This year curb ramps will be constructed within the Sea Beauty Farms and Bent Tree Subdivisions. This project will be bid once funding becomes available through the CDBG Program, which is administered by St. Louis County.

Pathway on the Parkway - City Staff has begun to pursue a missing section of the Pathway on the Parkway project on the south side of Chesterfield Parkway between the Clarkson Road overpass and Schoettler Valley Drive. Sabur Incorporated has completed the required right-of-way and topographic survey.

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City Staff has drafted preliminary sidewalk alignments, determined applicable right-of-way and easement needs, and completed a cost estimate. The City Staff plans to submit for grant funding for this project as funding opportunities become available.

Schoettler Road Sidewalk – There is no sidewalk on either side of Schoettler Road between Windsor Valley Court and Greenleaf Valley Drive. Public Works Staff is currently working on a preliminary design and cost estimate for sidewalk in this area. A grant application will be submitted through the Transportation Alternative Program (TAP). Applications for 2017 TAP funding are due by June 19, 2017.

Riparian Trail – As part of an agreement between St. Louis County and the City of Chesterfield, St. Louis County agreed to leave four / five lanes of traffic on Baxter Road, with no dedicated bike lane. In return, the City of Chesterfield agreed to pursue construction of Phases Two and Three of the Riparian Trail. The aforementioned phases of the Riparian Trail begin at August Hill Drive, head north through Central Park, cross Wild Horse Creek Road, and terminate at Old Chesterfield Road. City Staff will submit a grant application for this project through the Transportation Alternatives Program (TAP) by the June 19, 2017 deadline.

Lake 1 Trail Asphalt Resurfacing – The City of Chesterfield maintains the asphalt trail (located in easement) around Lake 1 near the intersection of Chesterfield Parkway and Justus Post Road. The Lake 1 Trail is connected to the Riparian Trail. This project will correct base deficiencies and provide an asphalt overlay to the trail, which will result in a smooth walking surface. Bids for the asphalt resurfacing project were received on June 6, 2017 with Ford Asphalt Company submitting the low bid. This project will be submitted to City Council for consideration of approval at its June 19, 2017 meeting.

PARK IMPROVEMENTS

CVAC Improvements – This winter Public Works maintenance personnel completed miscellaneous concrete improvements throughout the CVAC, including paving the eastern portion of the gravel parking lot in order to allow visitors to travel from North Outer 40 to the paved parking lot over a hard surface. A stop sign was recently installed in that area to make the area safer for pedestrians.

Veterans Honor Park – City Council approved a construction contract with Volk Construction Company on May 16, 2016 in an amount not to exceed \$1,950,000. Notice to Proceed was issued on June 6, 2016. The project

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achieved substantial completion on April 28th and the Dedication Ceremony for the park was held on May 3rd. City Staff is currently working with the contractor to ensure completion of the punch list items and submittal of all final paperwork to close this project.

MISCELLANEOUS PROJECTS

Long Road / Wild Horse Creek Road / Kehrs Mill Road (TDD) – This three phase project is substantially complete. The first phase involved the reconstruction of the Long Road / Wild Horse Creek Road / Kehrs Mill Road intersection to improve its geometry, which was completed in late 2013. The second phase of the project was completed in the spring of 2014 and improved the alignment of Kehrs Mill Road just south of Wild Horse Creek Road. This included the construction of a substantive retaining wall and the establishment of a landscape buffer behind the wall. The third and final phase of this project included the beautification of the intersection and the addition of a monument, which was completed on June 12, 2017. All costs associated with this project were funded through the Chesterfield Valley TDD.

River Valley Drive Closure – As directed by City Council, Engineering Staff is working to re-design a cul-de-sac and road closure on River Valley Drive at the Chesterfield City Limits. Additional survey was completed in February 2017. Utility coordination and final design are underway. We anticipate that the final plans and easement documents will be completed in July. After all easements are obtained and construction bids are received, a recommendation will be submitted to City Council for approval. Construction of the road closure could begin as early as late summer of 2017.

Compressed Natural Gas Fleet Conversion and Fueling Station - The City of Chesterfield has obtained a Congestion Mitigation and Air Quality (CMAQ) grant to fund 80% of the cost of design and construction of a CNG fueling station and the conversion of nine trucks. On April 19, 2017 City Council approved a contract with Cissell Mueller Construction for construction of the CNG fueling Station, Truck Centers Incorporated for the purchase of seven 2.5 ton trucks, and Lou Fusz GMC for the purchase of two one ton trucks. Notice to Proceed was given to Cissell Mueller Construction effective May 24, 2017. This project is scheduled to be completed by December 2017.

Public Works Facility Roof Project – The 2017 Budget includes \$120,000 for a new roof at the Public Works Facility. Bids were received on May 23, 2017 and a contract with the low bidder, Greg Glandt Roofing, was approved by City Council on June 5 in an amount not to exceed \$96,000. Work on the roof is scheduled to commence in July.

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Public Works Facility Painting Project – The 2017 Budget includes \$40,000 for the exterior painting of the Public Works Facility. Bids were received on April 18, 2017. City Council approved a contract with PaintSmiths of St. Louis on May 1, 2017 in an amount not to exceed \$37,500. Notice to Proceed was issued to PaintSmiths of St. Louis effective June 8, 2017. Painting is anticipated to start the middle of June and be completed by early August.

2017 Seal Coat Project – This project includes the seal coating and restriping of the City Hall parking lot, the Central Park parking lot, the Dierbergs Meditation Park trail and parking lot, all parking lots and access roads at the Chesterfield Valley Athletic Complex, and the Monarch Chesterfield Levee Trail. Street Maintenance personnel have completed pavement repairs necessary prior to the placing of the seal coat. City Council authorized a contract with the low bidder, Parking Lot Maintenance on May 1, 2017 in an amount not to exceed \$185,000. Work began on May 22 at the Central Park parking lot, which was completed and opened back up to traffic on May 24, 2017. Phased construction continues at the Chesterfield Valley Athletic Complex, City Hall, and the Levee Trail. All work is scheduled to be completed by July 1, 2017.

Green Trails Lake Sediment Removal Project - The City of Chesterfield negotiated a settlement of \$75,000 from Travelers Insurance due to materials exiting the Brunhaven development site and settling within the private lake owned by the Village of Green Trails. On August 15, 2016, City Council approved a contract with Muck Miners (not to exceed \$75,000) to remove the sediment. Dredging operations were completed in October. In May of 2017 the bags were opened, the material was graded, and vegetation was established. This project is completed.

Sewer Lateral Program – In the month of May, the City of Chesterfield received nineteen applications for repair, all of which were approved. Since January 1, 2017 the City has received 58 applications for repair, of which 53 have been approved.

Street Tree Inspections and Removals - In the month of May, the City received 105 requests for street tree inspections, some of which included multiple trees. These inspections resulted in the approval for removal of 106 trees. Based upon previous inspections, the City of Chesterfield managed the contractual removal of 52 street trees (non-Ash) and the grinding of 95 stumps during the month of May.

Emerald Ash Borer Preparedness Plan and Action Strategy – Ash tree removal was temporarily postponed during a portion of the month of May as Public Works Staff addressed trees damaged during the severe storm which

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occurred on May 19, 2017. Accordingly, Ash tree removals during the month of May were relatively low. During the month of May, 55 Ash trees were removed by Public Works maintenance personnel. There are approximately 5,185 Ash trees remaining, which are all scheduled for removal over the next six years.

Residential Street Tree Planting Program - The Spring 2017 tree planting project was completed by contractor Farinella Nursery on May 30th. The application deadline for the Fall 2017 planting project is August 31st.