

Public Works and Capital Projects
July 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 and has completed 40% of the project at this time. 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. The contractor began work on June 19 and has completed 10% of the contract at this time. 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 within budget on February 16, 2017. The 2017 crack sealing project will be bid this fall.

2017 Trench Grates Project – This project included the reconstruction of ten trench grates throughout the City of Chesterfield. The project was completed by R.V. Wagner at a total cost of \$143,843, well below the City Council authorized amount of \$170,000.

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 – City Staff has been investigating the installation of a left turn lane on Schoettler Road at its intersection with

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Georgetown Road, as directed by the Planning and Public Works Committee. It initially appeared that a turn lane at Georgetown could be constructed without additional right of way. However, the result would be an undesirable additional “jog” in Schoettler Road. Accordingly, City Staff recommends that if the turn lane is to be pursued, that the turn lane be extended to the south to connect to the existing center / turn lane at Schoettler Grove. This would necessitate the acquisition of right of way and easements from the property owner at 2290 Schoettler Road, who has previously indicated that she is unwilling to grant such easements. This matter will be considered by the Planning and Public Works Committee in July.

Wilson Avenue and Nardin Road Asphalt Overlay – City Staff is in the process of designing an asphalt overlay project on the northern portion of Wilson Avenue and Nardin Road. This project will be incorporated into the 2018 Budget. Public Works staff was also contemplating an asphalt overlay on Wildhorse Parkway due to its unique characteristics and street degradation pattern. However, due to a negative response from Subdivision Trustees in that area, that project has been abandoned. Wildhorse Parkway will instead be incorporated into the City’s Capital Street Replacement Program and be replaced in concrete in a future year, when warranted.

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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 submitted project closeout documentation to MoDOT on July 7th and is currently awaiting final project acceptance and the final project reimbursement.

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

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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.

At this time safety rail installation and final bridge lighting installation are the only major outstanding work items remaining to be constructed. The pedestrian bridge will be open as soon as these items are completed, which is expected to occur by late July. Staff will continue to work with Millstone Weber to complete the project as soon as possible.

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. 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 were opened on July 6, 2017, with Gershenson Construction the apparent responsive and responsible low bidder. A construction contract will be submitted to City Council for consideration at its July 17, 2017 meeting. 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, and that the grant application was not successful.

This project will move forward, beginning with design work on the culvert, which was included in the 2017 Budget. A Request for Qualifications has been issued and is being reviewed by City Staff. Once the most qualified firm has been selected, and a scope and fee negotiated, a contract will be submitted to City Council for approval. City Staff will likely re-submit for grant funding in 2018, excluding design services.

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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 just east of the former ice complex. This project was originally 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 the trail extension is on hold until the design of the Levee District project is complete. 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, easement negotiation cannot resume 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 Hill 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.

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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. 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 has generated a preliminary design and cost estimate for sidewalk in this area. A Transportation Alternative Program (TAP) grant application was submitted on June 19, 2017 through East-West Gateway. The City should be notified whether the grant application was successful later this summer.

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 submitted a grant application for this project through the Transportation Alternatives Program (TAP) on June 19, 2017.

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 include placing an asphalt overlay onto 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. The City of Chesterfield City Council approved a contract with Ford Asphalt Company in an amount not to exceed \$37,000 at its June 19, 2017 meeting. This project should commence later this summer.

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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 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.

Shortly after opening, a problem arose regarding staining of the fountain. This matter was quickly investigated and resolved with the contractor. Volk Construction and Hydro Dramatics cleaned the fountain on Monday, July 3rd, and all fountain operations and maintenance have been formally turned over to the Parks Department. Staff continues to work with Volk and the landscape contractor, Landesign, to have unhealthy and/or dead trees removed and replaced during the appropriate planting time this fall.

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 and utility coordination have been

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completed. Design documents are being finalized. No new easements are required in conjunction with the re-design. Bidding of the project is scheduled to be held in early August of 2017, after which a contract will be submitted to City Council for approval. Subject to City Council approval, construction of the road closure will commence this fall.

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 purchase of nine CNG 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. Natural Gas Fueling Solutions, a branch of Cissell Mueller Construction specializing in CNG Station Construction, is planning to mobilize to the site in August 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 late July.

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 work has started and should be completed by early August.

2017 Seal Coat Project – This project was completed by Parking Lot Maintenance, within budget, on June 22, 2017. It included 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.

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

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bags were opened, the material was graded, and vegetation was established. This project is completed.

Sewer Lateral Program – In the month of June, the City of Chesterfield received twelve applications for repair, of which ten were approved. Since January 1, 2017 the City has received 70 applications for repair, of which 63 have been approved.

Street Tree Inspections and Removals - In the month of June, the City of Chesterfield received 82 requests for street tree inspections. These inspections resulted in the approval for removal of 86 trees. Based upon previous inspections, the City of Chesterfield managed the contractual removal of 35 street trees (non-Ash) and the grinding of 120 stumps during the month of June.

Emerald Ash Borer Preparedness Plan and Action Strategy – During the month of June, 115 Ash trees were removed by Public Works maintenance personnel. There are approximately 5,100 Ash trees remaining, which are all scheduled for removal over the next six years.

Residential Street Tree Planting Program - The next round of street tree plantings will occur this fall, and is being coordinated by the City Arborist. Any resident interested in a street tree should contact the City Arborist by August 31, 2017.