

**CITY OF
LADUE**

Public Works

**THE PUBLIC WORKS COMMITTEE MEETING AGENDA
VIDEOCONFERENCE
CITY OF LADUE, ST. LOUIS COUNTY, MISSOURI
WEDNESDAY, AUGUST 5, 2020, 8:15 A.M.**

DUE TO THE CURRENT AND VARIOUS RESTRICTIONS ORDERED BY ST. LOUIS COUNTY ON PUBLIC GATHERINGS DUE TO COVID-19, THE MEETING WILL BE CONDUCTED BY VIDEOCONFERENCE. TO ENSURE COMPLIANCE WITH THE SOCIAL DISTANCING ORDERS, THE CITY ENCOURAGES THOSE INTERESTED IN PARTICIPATING TO PLEASE JOIN THE MEETING VIA THE ZOOM LINK BELOW OR BY DIALING THE NUMBER BELOW:

Topic: Public Works Committee
Time: Aug 5, 2020 08:15 AM Central Time (US and Canada)

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- Approval and adoption of the Agenda
 - Approval of the meeting minutes from the May 6, 2020 meeting
 - Public Forum
 - Update of Current Public Works Projects & Initiatives
 - Other Matters Deemed Appropriate

Pursuant to Section 610.022 RSMO., the Committee could vote to close the public meeting and move to executive session to discuss matters relating to litigation, legal actions and/or communications from the City Attorney as provided under section 610.021 (1) RSMO. and/or personnel matters under section 610.021 (13) RSMO. and/or employee matters under section 610.021 (3) RSMO.

In accordance with the requirements of Title II of the Americans with Disabilities Act of 1990 "ADA", the City of Ladue will not discriminate against qualified individuals on the basis of disability in its services, programs, or activities. If you require an accommodation or modification please contact Laura Rider, City Clerk, (314) 993-3439, lrider@cityofladue-mo.gov as soon as possible no later than 48 hours before the scheduled event.

Posted:

Time:

By:

Meeting Minutes
Department of Public Works Committee
Meeting Wednesday, May 6, 2020 at 8:15
a.m.

**DUE TO THE CURRENT RESTRICTIONS ORDERED BY ST. LOUIS
COUNTY ON PUBLIC GATHERINGS DUE TO COVID-19, THE MEETING
WAS CONDUCTED BY VIDEO CONFERENCE VIA ZOOM**

The meeting was called to order at 8:15 a.m.

The following members were present

Mark Ratterman, Brent Suffian, Randy Parham, Tim Kaufmann, Clint Williams

Absent:

Connor McCarthy

Staff present

Anne Lamitola, Director of Public Works; John Fox and Patrick Hensley, Councilmembers;
Nancy Spewak, Mayor

Adoption of the Agenda

Mr. Ratterman asked for a motion to approve the agenda; Mr. Kaufmann made a motion to approve, Mr. Suffian seconded the motion. All present were in favor.

Approval of meeting minutes

Mr. Ratterman asked for a motion to approve the meeting minutes from February 5, 2020 meeting. Mr. Suffian made a motion to approve to minutes, Mr. Kaufmann seconded the motion. All present were in favor.

Update of Current Public Works Projects, Initiatives and associated committees

Ms. Lamitola gave project updates on the following:

Intersection Improvements at Warson Road and Conway Road

After this Committee recommended the signalization the City has reached out to impacted property owners. The City determined to proceed with the addition of left turn lanes on Warson Road with signalization of the intersection. Federal Funds were applied for in February 2020 for the project design, ROW, and construction and that funding application is in the process of being prepared. The City is on the list for Federal Funding.

ADA Sidewalk Improvements Phase II & Funding application

Construction is underway on ADA sidewalk improvements on Clayton Road, west of Warson Road in April and will be complete by in May.

The City continues to improve the sidewalks on Clayton Road and will seek Federal Funds to offset some of the costs. A funding application was submitted in February

2020 for sidewalk replacement on the north side of Clayton Road between Price and McKnight and the City will learn if the application was successful this summer.

Dielman Road Improvements

Federal Funds have been acquired for Dielman Road Improvements. The City has executed a program agreement with MoDOT, issued the RFQ for engineering services, conducted interviews, and selected CMT for the engineering project. City Council approved the engineering contract with CMT and design will begin in May 2020. Sidewalks will be installed on the west side of Dielman between Ladue Road and the northern municipal boundary near Tamarack. Improvements to the pavement will also be part of the project. The sidewalk will connect to sidewalks that have been installed in Olivette on Dielman Road. Federal Funding will pay for 80% of the right-of-way and construction costs.

The Storm Water Advisory Committee meets on June 18th via Zoom. Negotiations continue for easements on several of the projects. The South Tealbrook Infrastructure project will be the first to get under construction later in 2020.

Discussion ensued including:

- MSD's Deer Creek Sanitary Sewer replacement project
- Eddie's Mulch Site and the proposed addition of walking trails
- Comprehensive Plan Update of which Mark Ratterman serves as an Advisory Committee member
- Single source City Waste Collection
- Additional Pet Walking Stations
- Mowing Contract which has begun with Munie Lawncare for State ROW

The next meeting will be held on August 5, 2020.

At 8:54 a.m. Mr. Williams made a motion to adjourn, seconded by Mr. Parham.
Meeting Adjourned.

Mark Ratterman
Department of Public Works Committee

**CITY OF
LADUE
Public Works**

MEMORANDUM

To: Public Works Committee:
Mark Ratterman, Chairman
Randy Parham, Vice-Chairman
Clint Williams
Timothy Kaufman
Connor McCarthy
Brent Suffian
Mayor Nancy Spewak, Ex-Officio

From: Anne C. Lamitola, P.E.
Public Works Director

Date: July 24, 2020

Subject: August 5, 2020 Public Works Committee Meeting: 8:15 am

The following will provide information for the various items on the agenda for the August 5, 2020 meeting of the Public Works Committee that will be begin at 8:15 AM via videoconference.

MEETING MINUTE APPROVAL

The Public Works committee shall review, make corrections as needed, then approve the meeting minutes from the May 6, 2020 meeting.

PUBLIC FORUM

UPDATE OF CURRENT PUBLIC WORKS PROJECTS AND INITIATIVES

Included in the packet is an updated narrative description of the various public works projects and their status. The following are the highlights:

- City Council awarded the South Tealbrook Stormwater Project to Plattin Creek at their July City Council meeting and approved a contract extension with Hart Engineering for construction engineering for project oversight.
- Munie has been under contract to mow state rights-of-way since April and has been mowing on schedule since late-April
- City Council awarded the Clayton Road microsurfacing contract to Missouri Petroleum. Construction will take place in August or September.

- The design phase for ADA improvements on Clayton Road between Eversdale & Lindbergh as well as a median reconfiguration at Clayton/Lindbergh is underway
- Public Works crews have been working on asphalt patching on Clayton Road & Litzsinger Road this summer as well as continuing the brush collection program.
- All easements have been obtained for the Robin Hill/Brookside Lane stormwater streambank stabilization project and now Intuition & Logic is working on final design. Construction anticipated for Calendar Year 2021.
- 20 of 24 easements have been obtained for the Willow Hill Stormwater Infrastructure project with the remaining four easements anticipated to be acquired in August 2020. After completion of easement acquisition, the final design phase will commence. Construction anticipated for Calendar Year 2021.
- Ladue Storm Water Project Manager Mark Koester continues to attend the Phase II and the Phase III/IV project meetings for Deer Creek Sanitary Sewer replacement project weekly. Mark will attend the August Public Works Committee to provide an update on those projects.
- The comprehensive Plan update has been progressing. A virtual public meeting was held in June 2020 with the next public meeting is tentatively scheduled for September. For more information, visit the project website at www.laduecompplan.com

OTHER MATTERS DEEMED APPROPRIATE

Upcoming Meetings

The next Public Works Committee meeting is planned for October 7, 2020 at 8:15 am

If you should have any questions regarding this packet or the upcoming meeting, please contact me at (314) 993-5665 or by e-mail at alamitola@cityofladue-mo.gov

PUBLIC WORKS PROJECT UPDATES – 7/6/2020

Stormwater Management Program (SWMP) – Implementation Plan Project Updates For more information, visit the Public Works page: <https://www.cityofladue-mo.gov/departments/public-works-department-214>

Willow Hill – Reroute Along Road (infrastructure), HR Green

The design phase began in Summer 2018. The preliminary design was approved by MSD, there have been public meetings, and then plan revisions were required based on utility conflicts. Currently, the City is in the process of obtaining the required easements. Approximately half of the required easements have been obtained. Once all easements have been obtained, the design can be completed, and the project will be bid for construction. Calendar Year 2021 is anticipated for construction.

Robin Hill Lane/McKnight Lane Bank Stabilization, Intuition & Logic

The design phase began on 7/2/18. Public information meetings were held in July and October 2018 and sixteen follow up property owner meetings took place since that time. The preliminary plans were approved, and easement documents were prepared. Easement acquisition has been completed as of late-June 2020 with the acquisition of easements from ten property owners. Final design will be completed, and the project will be bid for construction. Calendar Year 2021 is anticipated for construction.

Deerfield/Wakefield storm sewer improvements, HR Green

The design phase began on 7/23/18. Preliminary design and evaluation of various design alternatives has been taking place. This project will be constructed in two or three phases over the next several years and the City is working through review of the various alternatives. The City hopes to finalize the design alternative selection by August 2020.

South Tealbrook Drive storm sewer improvements, Hart Engineering

The design phase began on 7/2/18. A field review was completed, meetings with the impacted residents impacted has occurred, the preliminary plans were approved by MSD, easements have been obtained, final plans were prepared, and the project is out for bid with bids due July 10, 2020. Construction award is anticipated for July 20, 2020 and construction will be underway late summer with a scheduled completion date of December 2020.

Babler Lane storm sewer improvements, EDM

The design phase began on 9/24/18. A Public Informational Meeting was held on January 29, 2019 at Ladue City Hall where the pipe alignment was presented. MSD provided comments on the preliminary design which required additional design work. The City has been meeting with impacted property owners and a key property owner has determined that an easement will not be granted to the City for the project. The City has authorized redesign to avoid the subject property. Easement acquisition is on hold until this determination has been made.

Intersection Improvements at Warson Road and Conway Road

In 2019, a traffic study was completed for the Warson corridor at Conway Road. Concerns in this area include high traffic volumes including Ladue High School traffic, traffic back-ups at the intersection, delays in turning from side streets onto Warson Road, and neighborhood cut-through traffic. The study began in January 2019 with a kick-off meeting. CBB collected data. The first Public Information Meeting took place on March 12, 2019 and over 20 households were

represented. CBB analyzed the data that has been collected and the ideas and concerns presented by the public and presented their findings to the City and Public at a second Public Open House meeting which was held on July 18, 2019. The four options that were presented included a round-a-bout, a mini round-a-bout, a traffic signal without the addition of turn lanes, and a traffic signal with the addition of turn lanes. The Public Works Committee recommended that one of the signalization options be implemented and the City has reached out to impacted property owners. The City determined to proceed with the addition of left turn lanes on Warson Road with signalization of the intersection. Federal Funds were applied for in February 2020 for the project design, ROW, and construction and that funding application is in the process of being prepared. The City learned that the funding application was successful and will be recommended to the Board of EWGCC in Summer 2020. In the Fall of 2020, the City will execute a program agreement with Missouri Highways Commission and then the design phase can begin.

ADA Sidewalk Improvements

The City continues with the implementation phase of the ADA transition plan which identified both sidewalk and facility improvements that need modification in order to work toward ADA compliance. The first project in the ADA implementation plan was the sidewalk modifications to Clayton Road in the Business District between I-64 and Conway Road which were completed Summer 2019 (Phase I). Phase II was completed Spring 2020 by SBC Construction and includes ADA sidewalk improvements on Clayton Road, west of Warson Road. The City will continue to improve the sidewalks on Clayton Road over the next several years and with improvements in 2021 planned from Eversdale to Lindbergh.

Dielman Road Improvements (80% Federally Funded for ROW & Construction)

The City applied for Federal Funds for Dielman Road Improvements in February 2019 and learned that the application was successful. The City has executed a program agreement with MoDOT, issued the RFQ for engineering services, conducted interviews for the three most qualified firms for the project in March, and selected CMT for the engineering project. City Council approved the engineering contract with CMT at their April 27, 2020 meeting and design will begin in June 2020 with survey work. Dielman Road is one of two remaining roads identified for sidewalks in the 2012 Sidewalk Implementation Plan. Sidewalks will be installed on the west side of Dielman between Ladue Road and the northern municipal boundary near Tamarack. Improvements to the pavement will also be part of the project. The sidewalk will connect to sidewalks that have been installed in Olivette on Dielman Road. Federal Funding will pay for 80% of the right-of-way and construction costs. The design phase has begun with survey completed in June & July 2020.

Eddie's Mulch Site

The City applied for and obtained a Municipal Park Planning Grant to develop a master plan for the 14.5-acre site which is currently being utilized as a transfer station for the City's leaf and mulch program on approximately 3 acres of the site. Public meetings were held in 2019 along with a community input survey and a Master plan was adopted by City Council in September 2019. The master plan for the property includes a trail and small parking area as first priority amenities. The property is located off S. 40 Drive and is along the Deer Creek corridor. The property will be significantly impacted by MSD's Deer Creek Sanitary relief sewer project which will be under construction on this site from Fall 2020 – Fall 2021.

The City will be seeking funding to begin development of the park but must also coordinate with MSD's Deer Creek Sanitary Sewer replacement project that traverses the property.

Honeysuckle clearing began which was done by volunteer residents and the City's BOSTA Committee on November 16, 2019. As of now, the City plans to apply for the Municipal Park construction funds in August 2021 for implementation in Calendar Year 2022.

2020 Asphalt Pavement Program

Bids were solicited and received for the 2020 asphalt pavement project with Ford Asphalt being awarded this project. The locations that were milled, overlaid, and re-stripped as part of this project are McKnight Road shoulder (Lindworth to Litzsinger), Clayton Road Park subdivision alleys, Gilbert, and Kortwright. Additionally, concrete curb and gutter was placed on Gilbert Avenue.

2020 Microsurfacing Project

Microsurfacing, a latex modified slurry seal, will be applied to Clayton Road from Lindbergh Blvd. to Lay Road. The bids for the project are due on July 14, 2020 and City Council will award this project at their July 20th City Council meeting. The Notice to Proceed is anticipated to be issued on August 3rd to the successful bidder and the contractor will be given 60 days to complete the project.

Public Works In-house Maintenance Programs

- Brush Collection (monthly: March – October plus Christmas tree pick-up in January)
- Leaf Collection (late October – early January & April)
- Parks & Grounds (Rodes Park, planters, municipal campus, Beautify Ladue landscape maintenance, Edie's Mulch Site, Centennial Trail)
- Pavement and Sidewalk Maintenance (crack sealing, pothole patching, larger pavement patching, sidewalk removal & replacement, snow and ice removal)
- Bridge & Culvert Maintenance
- Vegetation Management on City Right-of-Way (mowing, trimming, honeysuckle management, tree removal)
- Vegetation Management on State Right-of-Way (City contracts with Munie for mowing of numerous locations on State ROW)
- Fleet & Building Maintenance

DC-02 & DC-03 SANITARY RELIEF PHASE III & IV



MSD Project Clear is the Metropolitan St. Louis Sewer District's (MSD) initiative to improve water quality and alleviate many wastewater concerns throughout St. Louis City and County. MSD Project Clear is a long-term effort by MSD, undertaken as part of an agreement with the U.S. Environmental Protection Agency and the Missouri Coalition for the Environment. MSD Project Clear will invest billions of dollars over a generation in planning, designing, and building community rainscaping, system improvements, and an ambitious program of maintenance and repair. At times of heavy wet weather, the sewer system of St. Louis City and much of St. Louis County can be overwhelmed, causing overflows into area rivers and streams. Like many cities throughout the United States, this program is designed to reduce the occurrence of sewer overflows that result from older wastewater collection and treatment systems during heavy storms. MSD Project Clear has divided this multi-year, multi-billion dollar investment into numerous projects that will be designed and constructed over the next several decades.

The purpose of the DC-02 & DC-03 Sanitary Relief project is to provide additional sanitary sewer conveyance capacity in the Deer Creek watershed. Once this additional conveyance is in place, seven constructed sanitary sewer overflows, which currently exist along Deer Creek, will be removed and the discharge of sewage from these overflows into the streams will be eliminated.

SANITARY SEWER OVERFLOWS (SSO) – WHAT ARE THEY?

Sanitary sewer systems collect and transport domestic, commercial, and industrial wastewater and limited amounts of stormwater and infiltrated ground water to treatment facilities for appropriate treatment. Occasionally, sanitary sewers will release raw sewage. These types of releases are called sanitary sewer overflows (SSOs). SSOs can contaminate our waters, causing serious water quality problems, and back-up into homes, causing property damage and threatening public health.

During dry weather, the existing sanitary sewer systems serving the Deer Creek Watershed can handle the wastewater collected and carry it to the treatment plant. However, during heavy rain or significant snowmelt the stormwater and groundwater that infiltrate or flow into the sewer system may exceed the capacity of the sewer system causing the discharge of the excess sewage into an adjacent stream or other waterway.

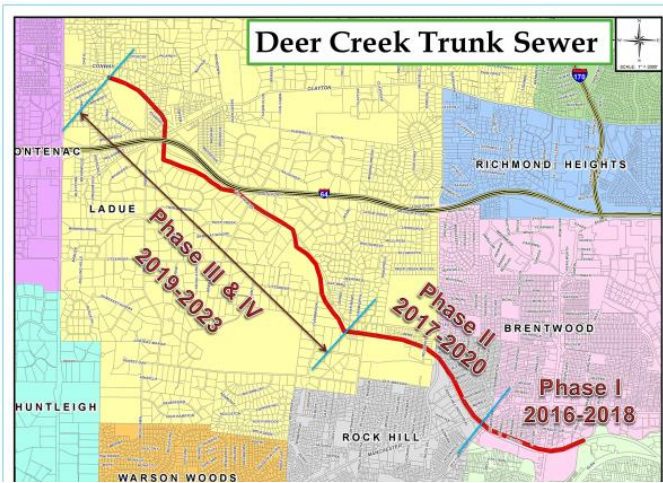
DC-02 & DC-03 SANITARY RELIEF PROJECT

This project involves construction of a new, larger diameter, trunk sewer beginning near the intersection of Brentwood Boulevard and Manchester Road in Brentwood, where the new sewer will be 78 inches in diameter. The new sewer will be installed through portions of Brentwood, Rock Hill and Ladue and will end near the intersection of Conway Road and Lindbergh Boulevard in Ladue, where the size of the sewer will be 48 inches in diameter. Due to the long length of the project, construction will be accomplished in multiple phases.



BUILDING THE RELIEF SEWER

Phase I of the project has been completed. Phase II construction began in late summer of 2018 and will continue through summer of 2020. The Metropolitan St. Louis Sewer District (MSD) awarded the \$43.6 million construction contract for Phase III & IV to J.H. Berra construction in July 2019. Construction began in fall 2019 and is scheduled to be completed in spring of 2024. As of June 1, 2020 construction is 17% complete.



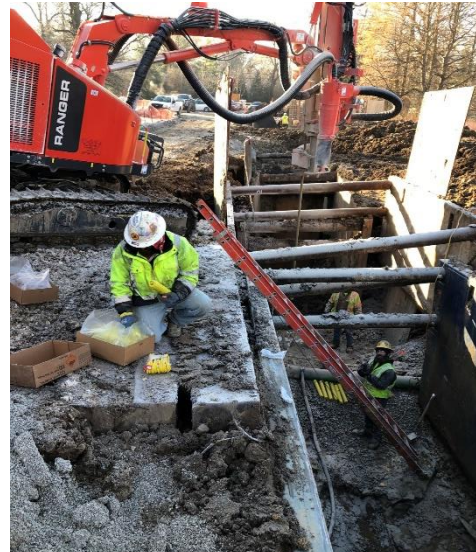
TUNNELING

Portions of the sewer will be installed by tunneling. The sewer will be installed by tunnel where it passes beneath Litzsinger Road, Clayton Road, Interstate 64, Foxboro Road and Warson Road to minimize disruption to traffic. The sewer will also be installed by tunnel areas where standard trench excavation methods are not feasible. A tunnel boring machine, pictured below, will be used to excavate the tunnels.



OPEN CUT CONSTRUCTION

The remainder of the sewer will be installed by excavating a trench from the surface. The sewer pipe is located approximately 25 feet below the ground surface. In some areas, limestone bedrock is present within a few feet of the ground surface, so a trench must be excavated in the rock to accept the pipe. The construction contractor currently plans to use a combination of drilling and blasting (pictured below) and hydraulic breakers to remove the rock from the trench in the areas generally south and east of Interstate 64.



Property owners, within 1,000 feet of the proposed blasting operations will be offered an inspection of their property to document the condition before blasting occurs. Each blast event will be monitored to verify that vibration and air overpressure levels are within safe limits established by the Missouri Department for Public Safety and St. Louis County.

WHO TO CONTACT

Questions or concerns about construction should be directed to Gary Vandelloo at (314) 802-7039 during normal business hours between 6:00 AM and 3:30 PM. If there is an emergency, please call 911!

For more information on the Project Clear Program, please visit <https://MSDprojectclear.org/>