



**Stormwater Committee
Committee Meeting Agenda
December 9, 2020
4:30 PM
Online Meeting**

As a precautionary measure to help prevent exposure to and spread of COVID-19, the Stormwater Committee meeting scheduled for 4:30 p.m. on Wednesday, December 9, 2020, will be held virtually as a Zoom meeting.

Citizens are encouraged to participate and submit public comments in the following ways:

1. **Video Livestream** - Watch a live online broadcast of the Stormwater Committee meeting using the following link: <https://us02web.zoom.us/j/83884344422> <https://www.google.com/url?q=https://us02web.zoom.us/j/83884344422&sa=D&source=calendar&ust=1607529709337000&usg=AOvVawOrTSUBMDh5iGdDlz2Tvm7A>. The public will be required to provide a name and email address to enter the meeting (the email address will not be saved or used to contact you). Citizens will have the opportunity to make public comments live during the meeting using the Zoom program.
2. **Teleconference** - Call in to the meeting by dialing (312) 626-6799 and entering meeting ID 838 8434 4422 when prompted.
3. **Email** - Questions or comments that citizens wish the Stormwater Committee to consider may be emailed to the City. In order for questions and comments to be considered at this meeting, those questions or comments must be submitted no later than 5:00 p.m. on Tuesday, December 8, 2020. Submit questions and comments to Matt Wohlberg, City Engineer, at mwohlberg@crevecoeurmo.gov.

I. Call Meeting to Order

II. Roll Call

The Stormwater Committee would like to welcome its newest member, Patrick Brown.

III. Approval of Agenda

IV. Approval of Minutes

1. Approval of October 14, 2020 Stormwater Committee Meeting Minutes

V. Public Comments

There are no speakers scheduled for this meeting, but the public is welcome to discuss their stormwater concerns with the Stormwater Committee.

Each speaker is asked to limit their initial comments to three minutes in order to ensure that there is enough time to discuss all concerns and meeting topics.

VI. New Business

A. Capital Improvement Program

i. New Funding Sources for Stormwater

Two new sources of stormwater funding will be available beginning in FY2022. Staff has prepared a recommendation to the Stormwater Committee regarding how to use this funding over the next two fiscal years.



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1. Staff Recommendations for Use of New Funding for Capital Improvements

ii. Committee Recommendations for CIP

The draft of the Capital Improvement Program is due by late February 2021. Staff requests that the Stormwater Committee consider the staff recommendations and to be prepared to make a recommendation to the City Council by the Stormwater Committee meeting in February.

iii. CIP Schedule

The schedule for the preparation of the Capital Improvement Program is included for the Committee's information.

1. FY2022-FY2026 CIP Schedule

iv. Staffing

City staff are reviewing whether administration of the added capital improvements will require additional project management and/or engineering staff.

Recommendations to the Capital Improvement Program should consider the capacity of staff to responsibly manage the new project or program.

B. Stormwater Concern Tracking

i. Review Ongoing and New Stormwater Concerns

Staff will provide the Committee with a current list of stormwater concerns.

ii. Online Stormwater Service Request Form

The City's website has a "Services Request" feature where users can state concerns and request information. The online form includes concerns like potholes, dead trees, and other common causes for residents to call the City for assistance.

A stormwater-specific form would likely be created as part of the initial phase of the stormwater management plan.

VII. Unfinished Business

A. Stormwater Concerns Update

Staff will update the Committee regarding stormwater concerns that residents have recently brought to the Committee's attention.

i. Hibler Swale and Drainage

Staff reported the concern about the sinkhole and leaning utility pole to both Ameren and AT&T, but staff has received no indications to date if any improvements to the situation have been determined.



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B. Stormwater Projects Update

Staff will review the status of stormwater-related capital improvement projects with the Committee.

i. Middlebrook Culvert Replacement

The project to replace the drainage culvert beneath Middlebrook Lane is substantially complete. Staff will share photos of the project.

ii. Emerson Road Culvert Replacement

Two drainage culverts beneath Emerson Road will be replaced as part of the Emerson Road Improvement Project. This project is scheduled to begin in early 2021.

iii. Balcon Estates Culvert (MSD)

MSD has completed the replacement of the failed culvert beneath Balcon Estates Court. Staff will share photos of the finished project.

iv. Ladue-Spoede Storm Drain (MSD)

MSD's project to replace the storm drains along the north side of Ladue Road near Spoede Road is set to begin in early January 2021. The project will likely last into the summer.

VIII. Business from Committee Members

A. Meeting Schedule (Judy Campbell)

The Committee will be asked to consider whether meetings should be held every month or every other month.

IX. Business from Staff Liaison

A. February Meeting

The next Stormwater Committee meeting is scheduled for 4:30 p.m. on Wednesday, February 10, 2021. This meeting will be held virtually using Zoom.

If the Committee decides to begin monthly meetings in January 2021, then the February meeting would no longer be the next scheduled meeting.

X. Adjournment



**Stormwater Committee
Committee Meeting Minutes
October 14, 2020
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I. Call Meeting to Order

This meeting was held online in an effort to reduce the risk of the spread of COVID-19.

II. Roll Call

Martin Jaffe	Committee Member	
Laura Catalano	Vice Chair	
George Orton	Committee Member	
Richard Koch	Committee Member	
Judith Campbell	Chair	
Patrick Brown	Committee Member	(Excused)
Vishal Dosanjh	Committee Member	
Robert Hoffman	Councilman	
Jim Heines	Public Works Director	
Matt Wohlberg	City Engineer	

2. Welcome to New Members

The Stormwater Committee welcomed Mr. Dosanjh as a new member.

III. Approval of Agenda

The agenda was approved as written.

IV. Approval of Minutes

1. Approval of August 12, 2020 Stormwater Committee Meeting Minutes

RESULT:	ACCEPTED [UNANIMOUS]
AYES:	Jaffe, Catalano, Orton, Koch, Campbell

V. Committee Chair and Vice Chair Elections

The Committee elected Judy Campbell as the Chairperson and Laura Catalano as the Vice Chairperson for the 2021 fiscal year.

VI. Comments from General Public

Lisa Stoecklin (700 Rugby Court) stated that her back yard had been much drier than in the past and asked how the pond at the cemetery had been addressed.

Mr. Heines stated that the cemetery had installed a sump pump system with an adjusted overflow and that these changes had provided good results so far.

Mr. Orton mentioned that a resident on Hibler Woods has told him that he is receiving stormwater runoff from the neighboring Country Forest subdivision. Mr. Orton asked if staff had been contacted about this concern.

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Staff has stated that they had not been contacted about this issue but that there was a concern about an inlet in the woods getting clogged with debris nearby.

VII. New Business

A. Ethics Policy Review

Staff explained that the City requires biennial ethics training (every other year) and that full training was not required this year. However, staff felt that it was a good practice for the Committee to be presented with twelve ethics concepts that were relevant to doing business with and for the City.

B. MSD Rainscaping Program

Staff reported that the Metropolitan St. Louis Sewer District (MSD) will expand its residential stormwater grant program to the entire MSD service area. Staff stated that they understood that MSD would likely begin offering this grant to the Creve Coeur area in 2021.

Mr. Jaffe asked how the residents in Creve Coeur would find out about the program. Staff stated that the program would be advertised on MSD's website, and that staff would recommend the same for the City's website. Ms. Campbell suggested that the information be posted on the front page of the City's website, and Dr. Hoffman suggested that the program be advertised in the City's newsletter.

VIII. Unfinished Business

A. Resident Concerns

Staff stated that they have received calls from several residents this fall to investigate stormwater concerns, and staff attributed the increased number of calls to the heavy rain events from August and the advertisement of Proposition C (parks and stormwater tax measure) in the City's newsletter.

Staff summarized concerns in the following locations:

- Smith Creek near Twin Creek Drive (stream bank erosion)
- Twin Creek Drive (backyard drainage)
- Villa Hill Lane (backyard drainage)
- Windrush Creek near Villa Coublay Drive (stream bank erosion)

B. Stormwater Projects Update

i. Hibler Swale

The City has installed a rock-lined swale along a portion of Hibler Road to help direct stormwater to the creek instead of through the adjacent back yard. Ms. Catalano and Ms. Campbell stated that they did not think the swale was long enough to completely address the issue. Further, the concern about the hole in the adjacent back yard remained.

Dr. Hoffman stated that he planned to visit the site to get a better understanding of it.

ii. Middlebrook Culvert Replacement

Staff provided an update on this project, stating that the culverts were in place and the contractor was working to restore the pavement of Middlebrook Lane.

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iii. Ladue at Spoede (MSD)

Staff stated that the Metropolitan St. Louis Sewer District (MSD) has received bids for the new stormwater system and associated road reconstruction at the intersection of Ladue Road and Spoede Road and that construction will likely extend through much of the spring of 2021.

Dr. Hoffman stated his concern that Ladue Road might partially collapse before the project can restore the roadway.

C. Stormwater Funding and Planning

i. MSD OMCI Tax

Staff stated that MSD's activation of the OMCI tax for the east half of Creve Coeur would significantly increase capital funding available for stormwater improvements, and that planning for this funding would be a discussion item for the Committee's meeting in December. Staff added that there would be even more to discuss if voters approve Proposition C in November.

Staff stated that they plan to provide the Committee with a recommendation in December for the use of the stormwater funding.

ii. Proposition C - Parks/Stormwater Sales Tax

Ms. Campbell complemented Mr. Koch on his job with the town hall meetings. Mr. Koch volunteered to continue to co-host the town hall meetings with the chair of the Parks and Historic Preservation Committee.

The Committee discussed the general effectiveness of the town hall meetings and their thoughts of whether Proposition C would be approved by the voters.

IX. Business from Committee Members

Ms. Campbell requested updates regarding several past discussion items:

1. Stormwater concern at 330 Ladue Woods Drive. Staff and Dr. Hoffman independently met with the residents to review their concerns but found no significant issues on the site. The area of concern is downhill from a portion of the neighborhood, and staff stated that there was not much that the City could do about that.
2. Emerson Culvert. Staff stated that the culvert would be replaced as part of a larger roadway project. At the time of the meeting, the roadway project was advertised for bids. Staff estimated that the contract would be awarded in late 2020 and that construction would begin in early 2021.
3. Balcon Estates Culvert. Staff reported that MSD assumed full responsibility for this failed culvert and that MSD had already replaced it. Pavement restoration remained.
4. Floodplain Map Schedule. Staff stated that the publication of the newest round of floodplain maps had been delayed, but staff could not provide an good estimate of when these maps would be available.

X. Business from Staff Liaison

A. December Meeting

The Committee was reminded that the next Stormwater Committee meeting would be at 4:30 p.m. on Wednesday, December 9.

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XI. Adjournment

The meeting adjourned at approximately 5:45 p.m.

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DEPARTMENT OF PUBLIC WORKS STAFF MEMORANDUM

DATE: December 7, 2020
TO: Stormwater Committee
 Jim Heines, Director of Public Works
FROM: Matt Wohlberg, P.E., City Engineer
SUBJECT: Recommendations for Use of New Tax Funding for Stormwater Improvements
 FY2022-FY2026 Capital Improvement Program

Public Works staff recommends that the City invest new stormwater tax revenues into capital improvements and City-wide planning to help guide future stormwater improvements in Creve Coeur.

Funding Sources

The City will begin to receive tax funding from two sources in the coming fiscal year. This will be fiscal year 2022 (FY2022), which begins July 1, 2021, and ends June 30, 2022. These funding sources will be in place for the foreseeable future.

Parks-Stormwater Tax

This tax is a half-cent sales tax that the residents in Creve Coeur approved on November 3, 2020. The revenues from this tax must be used to fund maintenance and/or improvements to the City's parks and stormwater infrastructure.

Notable aspects of this tax include:

Anticipated annual revenue: \$1.75-\$2.3 million

Estimated annual funds available for stormwater improvements: \$500,000-\$800,000

Applicability: Entire city

MSD OMCI Reimbursement

The Metropolitan St. Louis Sewer District (MSD) has recently re-enacted the Operations, Maintenance, and Construction Improvement (OMCI) property taxes in several watersheds in St. Louis County. Two of those watersheds are located within Creve Coeur. MSD manages this tax and collects the revenue from it. The City can apply for reimbursement from MSD for stormwater-related work within the applicable watersheds.

Notable aspects of this tax include:

Estimated annual funds available:

\$ 224,252 Deer Creek Watershed

\$ 33,650 University City Branch of River des Peres Watershed

Applicability: Funds must be spent within each particular watershed. These watersheds generally cover Creve Coeur east of Interstate 270.

Recommendations

Public Works staff recommends to initially focus on developing an in-depth stormwater management plan. Such a plan would involve a city-wide study of creeks, stormwater facilities, and stormwater concerns. The result will be a report that provides the Stormwater Committee and staff the information needed to make educated decisions about the City's stormwater priorities and how to best invest into the City's stormwater network.

A stormwater management plan will take at least one to two years to complete, and it will require a significant investment. A similar study for the City of Ladue cost over \$500,000.

Along with the stormwater management plan, staff recommends that the City begin design and construction of several known stormwater issues. These include the following:

- New Ballas Culvert and Stream Erosion
Funding available: Parks-Stormwater Tax and OMCI reimbursement
Funding recommended: OMCI reimbursement

The stormwater system that drains the Sackston Woods subdivision ends with a drainage culvert beneath New Ballas Road. The area immediately downstream of the culvert has significant erosion, and the City has identified funding for the design of a solution for this issue in FY2022 of the capital improvement program. After the culvert, stormwater flows into a 700-foot-long stream through several residential properties before it enters the Village of Westwood. Staff recommends that the City continue to plan to address the erosion but to expand the review of the situation to include the stream. Staff recommends that the City design a solution to this issue in FY2022 and construct the project in FY2023.

- Alden Drain Replacement
Funding available: Parks-Stormwater Tax and OMCI reimbursement
Funding recommended: OMCI reimbursement

A small, non-standard storm drain along Alden Lane has failed, but the design and construction of a solution has been cost-prohibitive to date. Staff recommends that the City design and construct this project in FY2022.

- Hibler Roadside Drainage
Funding available: Parks-Stormwater Tax
Funding recommended: Parks-Stormwater Tax

Hibler Road uses roadside swales to capture much of its stormwater runoff. The performance of these swales has been a concern for several years. Staff recommends that the City complete a design for the improvements in FY2022 and construction in FY2023.

- Golf Course Pond Aeration
Funding available: Parks-Stormwater Tax and OMCI reimbursement
Funding recommended: OMCI reimbursement

The design for the rehabilitation of the south pond and dam at the Creve Coeur Golf Course called for a new aerator system to help keep the deepened pond healthy. The aerator required new electric line to be run to the site, and the cost of doing so eliminated this portion of the project. Staff recommends that this work be completed in FY2022.

These recommendations stated in terms of a schedule would be as follows, with the funding source indicated for each project:

FY2022

- Begin stormwater management plan (Parks-Stormwater)
- New Ballas erosion design (OMCI)
- Alden Lane drain design and construction (OMCI)
- Hibler Road drainage design (Parks-Stormwater)
- Golf Course pond aeration design and construction (OMCI)

FY2023

- Complete stormwater management plan (Parks-Stormwater)
- New Ballas erosion construction (OMCI)
- Hibler Road drainage construction (Parks-Stormwater)

FY2024 +

- Implement stormwater management plan (Parks-Stormwater and OMCI)

These are preliminary recommendations. Other projects can be interchanged or incorporated into this plan as the budget allows. However, the recommendations above are estimated to nearly expend to the entire funding available from the Parks-Stormwater Tax (assumed at \$500,000 per year) and the Deer Creek OMCI.

SCHEDULE

ANNUAL CAPITAL IMPROVEMENT PROGRAM UPDATE FISCAL YEARS 2022-2026

December 1, 2020 – January 31, 2021	CIP public comment period: City staff solicits input from residents, City committees, staff, and other stakeholders
January 5, 2021	CIP discussion at monthly Department Head meeting
January 31, 2021	Deadline to submit all new and updated CIP project requests
February 2, 2021	Staff meeting to review the CIP preliminary draft.
February 9, 2021	Staff meeting to review the CIP semi-final draft.
February 19, 2021	City Administrator submits the draft CIP to City Council, Planning & Zoning Commission, and Finance Committee
March 8, 2021	City Council Work Session #1 CIP Overview Joint work session with Finance Committee
March 15, 2021	Introduction of CIP to the Planning & Zoning Commission
March 22, 2021	City Council Work Session #2 Review roadway, sidewalk, programs Review capital equipment
March 23, 2021	Review of CIP with the Finance Committee
April 5, 2021	Follow-up Meeting with Planning & Zoning Commission
April 12, 2021	Public Hearing before City Council Possible adoption of the CIP by City Council

Communication: FY2022-FY2026 CIP Schedule (CIP Schedule)