

NOTICE OF STUDY SESSION
Stormwater Commission Update

CITY HALL, Fifth Floor
6801 Delmar Blvd., University City, Missouri 63130
Monday, September 9, 2024
5:30 p.m.

AGENDA

1. Meeting called to order
2. Changes to Regular Agenda
3. Stormwater Commission Update
4. Adjournment

The public may also observe via:

Live Stream via YouTube:

https://www.youtube.com/channel/UCyN1EJ_-Q22918E9EZimWoQ

Posted this 6th day of September, 2024.

Stormwater Commission Work Session with City Council 9/9/24

Introductions

Purpose of Presentation

This presentation provides an incomplete list of actions recommended by the Storm Water Commission and its predecessor, the Storm Water Task Force. City Government bears the major if not the sole responsibility for implementing each of these recommended actions, all intended to help its many citizens who have been repeatedly impacted by floods

Background

- Stormwater Task Force
- 26 July 2022 Flood

Completions

- 2022 Flood Data Collection, Review & Summary
 - Created a CFD Model of channel and tunnel entrance
 - Recommendations for periodic tunnel maintenance
- Flash Flood Warning System
- MSD River Des Peres Cleanup / Maintenance Improvements

Current Activities

- Flash Flood Warning / Monitoring System Enhancements
- MSD River Des Peres Mitigation Projects
- Consultation on U Heights Pervious Surface Ordinance
- Incremental Impervious Area mitigation

Recommendations

- Opportunities for Additional Leadership by the City of University City on Flood-Related Issues (see attached Table)

Questions & Answer Session with City Council

Stormwater Commission Work Session with City Council 9/9/24

Opportunities for Additional Leadership by the City of University City on Flood-Related Issues

RECOMMENDED ACTION		% Complete	U City	Storm Water Comm.	MSD	Wash U	Univ. Heights	StL Post Disp.
Communication	Web Site for SWC	35	0	5		30		
	Library Reference Shelf	20	0			20		
	Flood Mark Signs	100	0	85		5		10
	Roars Call for Photos	100	50	50				
	Roars Articles on Floods	50	20	30				
	Flood Lecture Series	20	0			5	15	
	Field Trips & Site Inv	100	10	70		10		10
	2008 Fatalities Plaque	10	0	5				5
	Brian Beard Citation	10	0	10				
Data Collection	Survey First Floor Elevations of Flood-prone Buildings	20	0	5	10	5		
	Resident Survey & Analysis	100	20	80				
	2022 Inundation Map	100	5	35		60		
	Data Assembly: flood levels, bridge specs, photos	50	25	25				
	RdP Channel Monitoring	70	10	50		10		
	Hafner Web Cam	0	0					
	Tunnel Block Discovery	100	0			100		
	Tunnel Block Survey	100	0		?	100		
Action	Tunnel Block Removal	100	0	10	80			10
	PA Sand Bar Removal	100	0	10	80			10
	Tunnel Head Cleanup	100	0	10	80			10
	Hanley & Groby Bridge Debris Cleanup	100	0	10	80			10
	Impervious Surface Ordinance	60	0	20		20	20	
			0					
	Early Warning System		0					
	Design	100	0	100				
	Purchase	100	80	20				
	Installation	100	50	50				
	Initial Calibration	100	0			100		
	Maintenance	100	50	50				
	Code Red Connect	100	75	25				
	Tunnel Head Radar	10	0	10				
	Recent Buyouts (after July 2022)	30	30					
Future Buyouts (Prioritize Addresses; Allocate Budget)	0							
Stormwater Master Plan	70	60	10					
Detention Basin (Corps of Engineers)	30	20	10					



Storm Water Commission
6801 Delmar Boulevard, University City, Missouri 63130,
Phone: (314) 505-8560, Fax: (314) 862-0694

MINUTES OF THE STORMWATER COMMISSION September 3, 2024

Call to Order. The forty-fourth meeting of the Stormwater Commission (Commission) was called to order at 3:38 PM by Chair Todd Thompson.

- 1. Attendance-Roll Call.** The following Commission members were present at the Community Center: Susan Armstrong, Garry Aronberg, Phillip Eastin, Mark Holly, Eric Karch, Todd Thompson. Also, in attendance were Dennis Fuller, Councilman; Darin Girdler, Director of Public Works; Mirela Celaj, Assistant Director of Public Works; John Mulligan, City Attorney. Commissioner Bob Cross could not attend.

Visitors: 10: Connie Fry, Don Fitz, Hope Horn, Gerald Tears, Caroline Pufalt, Patrick Miller, Julie Burel, Barb Chicirio, Claudia Maredus, others.

- 2. Agenda.** Published agenda was approved by voice vote (motion by Armstrong, Second by Holly): Attendance-Roll Call; Approval of Agenda; Approval of Minutes; Citizen Comments; Announcements by Commissioners; Committee Reports; New Business; Old Business; Council Liaison Comments; Adjournment.

- 3. Minutes.** The minutes of the July 2, 2024, meeting were approved by voice (Thompson, Eastin). (There was no August meeting.)

- 4. Citizen Comments.**

- Hope Horn, Gerald Tears, Caroline Pufalt, Patrick Miller, Julie Burel, Barb Chicirio speaking for Clair Petropolis, Claudia Maredus, and Connie Fry urged the following regarding proposed impervious area mitigation bill:
 - The Commissioners and Council should use 100 SF of added impervious area as the threshold for requiring stormwater runoff abatement not a larger threshold.
 - The impact on city budget and staffing should not determine the threshold.
 - Impervious area mitigation is an important step in reducing flooding.

- 5. Announcement By Commissioners and Staff.**

- Mr. Girdler will transition to being only the Director of Parks and Recreation and relinquish his other role as the Director of Public Works. Assistant Director of Public Works Mirela Celaj has been appointed acting Director of Public Works.
- Water Elevation monitoring sensors and corresponding computer software have been ordered.

- 6. Committee Reports**

- a. Ad Hoc Committee to develop and ordinance to address impervious area additions.** Subcommittee has received review comments and suggestions for improving the impervious area mitigation ordinance. The comments pertain to succinct wording and cost of impervious constructing mitigation offsets. The subcommittee is addressing the comments.
- b. River des Peres (RdP) Monitoring subcommittee** member Commissioner Eastin reported on the review of T-Neighborhood's monitoring equipment:
 - The equipment would be installed and supplied as turn-key which simplifies City's installation and acquisition of RdP monitoring.
 - T-Neighborhood's equipment is economical at about \$6,300 per station.
 - T-Neighborhood's equipment is now a beta test offering.



Storm Water Commission
6801 Delmar Boulevard, University City, Missouri 63130,
Phone: (314) 505-8560, Fax: (314) 862-0694

7. New Business

Chairman Thompson will report to the City Council during the September 9 Study Session. The report will focus on the Commission's activities, progress, and recommendations.

8. Old Business.

None

9. Council Liaison Comments.

- a. Councilman Fuller reported on new real estate developments:
 - 1) A mixed-use building will be constructed on the two-acre site of the old Commerce Bank and Craft Alliance buildings. The new building will be mostly apartments.
 - 2) A new hotel will be constructed north of the library.
 - 3) Earth cut from the proposed Target store will be used as fill to improve the golf course driving range.
 - 4) A \$500,000 grant has been obtained to install 30 EV charging stations in the loop area.
- b. Councilman Fuller commended Public Works Director Girdler for coordinating with St. Louis County Department of Transportation officials to get storm water curb inlet improvements along Midland between Amherst and Delmar to reduce gutter overtopping along the 7000 and 7100 blocks of Amherst.

10. Adjournment. Motion to adjourn passed at 4:58 PM (Aronberg, Armstong).

Minutes Preparation. The minutes were prepared by Garry Aronberg.