

**Minutes of the Ad Hoc Stormwater Committee
Village of Shorewood Hills**

Wed., Nov. 6, 2019

(approved at Dec. 4, 2019 Committee meeting)

- 1) **Called to Order:** at 7:03 PM.
 - a) **Roll Call:** Committee Members Present: Chair/Village President Dave Benforado, Gloria Beach, Greg Brauer (joined the meeting at 7:10 PM), Mark Mandel, Eric Riedner. Carolyn Benforado and Peter Hans were excused.
 - b) **Others Present:** Village Administrator Karl Frantz, Village Trustee Cokie Albrecht, Village Engineer Brian Berquist, Amber Lefers PE (AE2S), Janet Schmidt (City of Madison Engineering), and one Village resident.

- 2) **Meeting Notice:** D.Benforado inquired and K.Frantz confirmed that the meeting had been properly posted in compliance with open meeting laws.

- 3) **Review draft minutes from Sept. 17, 2019, Committee meeting:** motion to approve by M.Mandel, second by E.Riedner. Approved (4-0), Brauer had not yet arrived.

- 4) **Update on recent discussions with City of Madison on feasibility of stormwater relief tunnel project and future direction:** K.Frantz reported that he and B.Berquist have been attending regular monthly meetings with the City Engineering Department regarding the proposed reconstruction of Univ. Ave. between Shorewood Blvd. and Univ. Bay Drive, the infrastructure project that the City and the Village had been hoping could potentially include the stormwater relief tunnel under the Blackhawk golf course to Lake Mendota. Frantz reported that the City's current opinion, after reviewing the AE2S tunnel feasibility report issued in August, is that the proposed tunnel project is simply too expensive for the City to take on its cost share, that the outlook for significant new federal funding for the project appears bleak, that even when the Univ. Ave. reconstruction project is reduced to the bare essentials required by the MPO so that remaining funds could be dedicated to the tunnel, those remaining funds are minimal compared with the funds required to construct the tunnel. Frantz reported that therefore the City is undertaking an analysis of the second best option to remediate flash flooding along the Univ. Ave. corridor, that second best option according to City engineers is a proposed new 96" stormwater pipe in the Univ. Ave. corridor between Shorewood Blvd. and Grand Ave.

- 5) **A.Lefers (AE2S) presentation on her analysis of proposed new 96" stormwater pipe in the Univ. Ave. corridor (Shorewood Blvd. to Grand Ave.):**
 - a) **Link to AE2S analysis:** https://www.shorewood-hills.org/vertical/sites/%7B00D5AF3F-ADFE-4173-AF3A-FC0C1A78DA4B%7D/uploads/Results_Summary_2019-11-01_-_Updated_to_City.pdf

- b) **Background:** Subsequent to the AE2S tunnel feasibility study completed earlier this summer, AE2S was asked by City Engineering to undertake a detailed analysis of a proposed new 96” stormwater pipe in the Univ. Ave. corridor between Shorewood Blvd. and Grand Ave. to check to see if it would be a viable alternative. The City asked that she include impacts of 2/5/10 year rain events to her analysis, in addition to 25/50/100 year rain events.
- c) **Analysis:** Lefers distributed an 11X17” sheet containing an update to her analysis. Lefers’ analysis assumes that the Midvale Blvd./Univ. Ave. connection is reopened (a portion of new stormwater conduit under Univ. Ave. between Midvale Blvd. and Shorewood Blvd. installed in 2009 and subsequently blocked up with cinder blocks when City Engineering realized it was causing too much stormwater to rush to and dead end at Univ. Ave./Shorewood Blvd.), and that current known choke points in the existing stormwater system at Shorewood Blvd. and Grand Ave. are addressed. Lefers’ analysis concludes that “Alternative D” (the proposed 96” pipe) performs fairly well at the Univ. Ave./Midvale Blvd. intersection for all rain events except for 50 and 100 year rain events, and that it performs well for the 2/5 year rain events but not for the 10/25/50/100 year events at the Univ. Ave./Shorewood Blvd. intersection. Lefers also examined estimated flash flood duration in the Univ. Ave. corridor, and concluded that the proposed 96” pipe would greatly reduce the duration of the flash flood at each intersection studied.
- d) **Oct. 1, 2019, Flash Flood:** Lefers mentioned that she examined evidence from the Oct. 1, 2019, flash flood on Univ. Ave. (submitted photos and debris lines on the adjoining properties). Based on the rainfall that had occurred that night, Lefers concluded that the City’s stormwater model was accurately predicting levels of flooding in the Univ. Ave. corridor (and that, as she has consistently said, the stormwater computer model is probably over estimating flooding to a degree).

6) **MMSD “West Interceptor Shorewood Hills Relief Project” and potential Village synergies:**

- a) **Background:** D. Benforado reported that the Madison Metropolitan Sewer District (MMSD) held a public information meeting on Oct. 18, 2019, at UWCU regarding its proposed sewer relief tunnel through Shorewood Hills; that he, B.Berquist, Trustee Bailey, Committee member M.Mandel, and numerous other Village residents attended; that the project would run west to east along Locust Drive, and is scheduled for construction in 2021.
- b) **Mandel communication to MMSD:** A copy of M.Mandel’s Oct. 30, 2019, e-mail to MMSD regarding this project and a response from MMSD’s Eric Hjellen was shared with the Committee (https://www.shorewood-hills.org/vertical/sites/%7B00D5AF3F-ADFE-4173-AF3A-FC0C1A78DA4B%7D/uploads/MMSD_Correspondence.pdf). In his e-mail, Mandel encouraged MMSD to consider routes for the new sewer that might provide some flood protection to Village properties north of the railroad tracks that run along Locust Dr. by MMSD building an east/west earthen berm in or just

north of the railroad right of way. Hjellen's response indicated that was a possibility, and he listed prerequisites that would need to be met beforehand.

- 7) **Discussion/Recommendations:** the sense of the Committee was that it had insufficient information to discuss or make a recommendation to the Village Board regarding the new proposed 96" stormwater pipe along the Univ. Ave. corridor between Shorewood Blvd. and Grand Ave., perhaps that discussion will take place at a future Committee meeting when more particulars are known about the proposal. J.Schmitz did mention that the City was planning to launch a Willow Creek Watershed Study in 2020, and that while it will be targeted to the City's portion of the watershed, Village residents will be invited to attend. The Committee did ask that an article be placed in the December Village Bulletin to provide an update on City/Village efforts to address flash flooding in the Univ. Ave. corridor.
- 8) **Committee Term:** D.Benforado advised the Committee that at the Oct. 21, 2019, meeting of the Village Board, the Board decided to extend the term of the Ad Hoc Committee for another year (through Nov. 2020).
- 9) **Future Meeting Date:** Committee confirmed their next meeting date to be Wed., Dec. 4, 2019 (7 PM).
- 10) **Adjournment:** Committee adjourned at 8:50 PM.

Respectfully submitted by Dave Benforado on November 14, 2019.