



Agenda Memo

Crest Hill, IL

Meeting Date:	July 20,2026
Submitter:	Ronald J Wiedeman
Department:	Engineering
Agenda Item:	A Resolution approving an Agreement for Professional Engineering Services for the Preparation of a Jasmine Ditch and adjacent Storage Basins Drainage Study By and Between The City of Crest Hill, Will County Illinois and Christopher B. Burke Engineering Ltd for an amount of \$44,000.00.

Summary: See attached Memorandum from Christopher B. Burke Engineering, Ltd (CBBEL) for an update on the engineering work to investigate potential causes of flooding along the Jasmine Ditch for east of Gaylord to its outfall at the farm field west of Jasmine Drive.

The following work has been completed to date.

- Completed a field survey and reviewed findings to determine if silting or filling of the channel has occurred that would affect the capacity of the channel.
- Completed a field reconnaissance on June 8th after a storm event to review how the channel performed.
 - Noted heavy vegetation which could have a minimal impact on impeding flow was observed, but no blockages or pipes or culverts that could significantly impact the capacity of the channel were noted.
- Completed a stormwater preliminary modeling on Jasmine Ditch. This preliminary model used the data provided from the topographic survey of the size, slope and shape of the channel and it showed that the existing ditch should have sufficient capacity to handle the flow of water that is anticipated to reach this ditch for the different storm events.

Recommended Next Steps for Engineering Study.

- Authorize a more extensive modeling effort that would look outside the immediately boundary of the Jasmine Ditch to see how much actual flow reaches this ditch. This

study will include the following work. See attached CBBEL proposal for more detailed scope of work.

- Field Investigation of the existing storm water collection system east of Gaylord Rd that contributes to Jasmine Ditch at Gaylord Rd.
- Research/review development plans east and west of Gaylord Rd.
- Prepare detailed model of Jasmine Ditch and interaction with the adjacent detention/comp storage basins
- Evaluation of Jasmine Drive culverts
- Develop alternatives
- Summary memo/report

Schedule assuming approval in July 2026, the work described is expected to be completed in October 2026.

Recommended Council Action: A Resolution approving an Agreement for Professional Engineering Services for the Preparation of a Jasmine Ditch and adjacent Storage Basins Drainage Study By and Between The City of Crest Hill, Will County Illinois and Christopher B. Burke Engineering Ltd for an amount of \$44,000.00.

Financial Impact:

Funding Source: General Fund

Budgeted Amount: \$375,000.00

Cost: \$44,000.00

Attachments:

Resolution-Jasmine Ditch and Basin Study

Exhibit A-Crest Hill Jasmine Ditch_07072026

M. Wiedeman Preliminary Investigation_20260615

Jasmine Ditch Exhibit.