

Starkweather Creek Phosphorus Treatment Project – Amendment No. 1
Milwaukee Street Bridge LOMR
May 20, 2015

Scope

The bridge carrying Milwaukee Street over the East Branch of Starkweather Creek is being reconstructed in Spring 2015. The City of Madison is required to submit a Letter of Map Revision (LOMR) for the bridge reconstruction.

A LOMR has been completed for the Starkweather Creek project but not yet submitted to the Federal Emergency Management Agency (FEMA) and the Wisconsin Department of Natural Resources (WDNR). The HEC-RAS model for the Starkweather Creek project area starts just upstream of the Milwaukee Street Bridge. The Milwaukee Street Bridge is not included in the LOMR that was developed for the Starkweather Creek project.

The City of Madison requested an amendment to add the reconstructed Milwaukee Street Bridge to the LOMR being submitted for the Starkweather Creek project. Because the Starkweather Creek LOMR is complete, analysis and subtasks will need to be updated to complete the revised LOMR.

The following will be completed to add the Milwaukee Street Bridge to the Starkweather Creek project LOMR.

- 1) Update the Corrected Effective Model – BC will input the HEC-RAS modeling data for the proposed bridge into the HEC-RAS model developed for the Starkweather Creek LOMR. The HEC-RAS model used for the Milwaukee Street Bridge reconstruction was provided to BC by the City of Madison.
- 2) Update mapping for the 1% and 0.2% chance storm event - The updated Corrected Effective Model results and latest topographic data will be used to determine the Floodplain elevations and limits within the project site and corrected floodway and floodplain boundaries will be mapped. The current mapping starts just upstream of the Milwaukee Street Bridge. The updated mapping will start just downstream of the Milwaukee Street Bridge.
- 3) Update LOMR – The LOMR documentation (forms, written description, figures, and electronic data) will be updated with the results from the updated HEC-RAS model.
- 4) City resend Property Owner Notifications and resubmit Public Notice - Because the water surface elevations are different between existing and proposed conditions, the City will need to send out revised Property Owner Notifications and revise and repost the Public Notice. BC will update the figures sent to the property owners with the notifications.

Budget

	Task	Hours	Budget
001	Update HEC-RAS Model	9	\$ 1,171
002	Update Mapping	9	\$ 1,171
003	Update LOMR	24	\$ 3,753
004	Resend Property Owner Notifications	2	\$ 264
005	PM	7	\$1,019
	Total	47	\$7,378