

ATTACHMENT IV

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Date: 09/05/2012 01:46 PM
Subject: FW: Proposed Deery Motors Site Plan - US 30 Ames

John, our staff has finished the initial 2D hydraulic analysis for the future replacement of bridges on US 30 over the Skunk River.

It appears the department will be able to meet DNR criteria for the 100-year flood on US 30 by lengthening our existing bridges when they are replaced in the future. Our analysis indicates that replacing the existing 320 foot structures with longer structures will allow us to meet DNR criteria for the 100-year flood. An overflow channel through the Deery site plan will not be necessary to meet the 100-year flood requirements.

In addition, the department does not have any concerns with the proposed channel excavation along the Skunk River just north of US 30. This channel excavation will require a work on ROW permit from the department.

I want to thank the City for holding off on site approvals until the department completed this analysis. Let me know if you want to set up a meeting to go over any of these details.

Thanks. Scott