



JANIS A. BOBRIN

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To: William Lewis, Vice Chair
Washtenaw County Planning Advisory Board

From: Janis A. Bobrin
Washtenaw County Water Resources Commissioner

Re: Allen Creek Drain Stadium Blvd Project Drain Project

Date: January 9, 2009

Action Requested: County Planning Advisory Board recommendation for County Board of Commissioners' approval to pledge the County's limited full faith and credit for payment of bonds for the Allen Creek Drain Stadium Blvd Project Drain Project in an amount not to exceed two hundred ninety thousand (\$290,000.00) dollars. Bonds will be retired through special assessments against the following:

City of Ann Arbor
County of Washtenaw for benefits to County Roads
State of Michigan for benefits to State Highways

Background: Section 280.434 of the Michigan Drain Code authorizes the Water Resources Commissioner to borrow funds on behalf of drainage districts and the Board of Commissioners to pledge its Full Faith and /credit to back such borrowings upon approval of two-thirds of its membership.

Discussion: Washtenaw County Water Resources Commissioner was petitioned by the City of Ann Arbor to undertake improvements to the County Drain known as **ALLEN CREEK DRAIN - STADIUM BOULEVARD STORM WATER CONTROLS DRAIN PROJECT** to install storm water controls along Stadium Boulevard between Pauline Boulevard and White Street. The Allens Creek Initiative identified construction of stormwater control measures along Stadium Boulevard between Pauline Boulevard and White Street as a high priority to control water quantity and improve water quality within the creekshed during storm events. The Allens Creek Initiative was launched in 2007 and is a collaborative effort with the Washtenaw County Drain Commissioner, the City of Ann Arbor, Ann Arbor Public Schools and the Allens Creek Advisory Committee. Its goal was to identify, prioritize and select stormwater management projects that would reduce flooding and improve water quality in Allen Creek.

Much of Allen Creek is contained in underground piping that carries stormwater runoff from the urban core of Ann Arbor. Nearly 44% of the land draining to the creek is impervious, and as a result, stormwater frequently enters the creek too quickly, causing localized flooding during rain events. These rain events also carry pollutants from impervious areas to the creek, lowering water quality. Allen Creek falls within the Total Maximum Daily Load (TMDL) area of the Huron River. The goal of the TMDL is to remove 50% of the phosphorus from storm water, and reduce E. coli by a significant amount.

Stadium Boulevard from Pauline Boulevard to White Street is currently scheduled for reconstruction, phased into segments over the next 4 years. It is the City and WCWRC's intent to include stormwater controls in each segment of the road reconstruction if funding is available. This project will provide needed detention and will improve downstream water quality, and manage quantity as well. It is estimated that 0.5 lbs of phosphorous

per year per acre of the upstream drainage area will be removed from the creek as a result of stormwater control features being installed in all segments of the road reconstruction project.

The first two phases of this project include construction of stormwater controls in the Stadium/Pauline intersection and along Stadium from Pauline to Seventh Street. Work in the intersection will occur in 2009, while work between Pauline and Seventh is planned for 2010. Stormwater controls include installation of oversized stormwater pipe, swirl concentrators and bio infiltration. Project funding is through a low interest (2.5%) loan from the Michigan Drinking Water/Clean Water State Revolving Fund. The Water Resources Commissioner was awarded \$8 million in low interest loan monies to complete several projects in the Allen Creekshed.

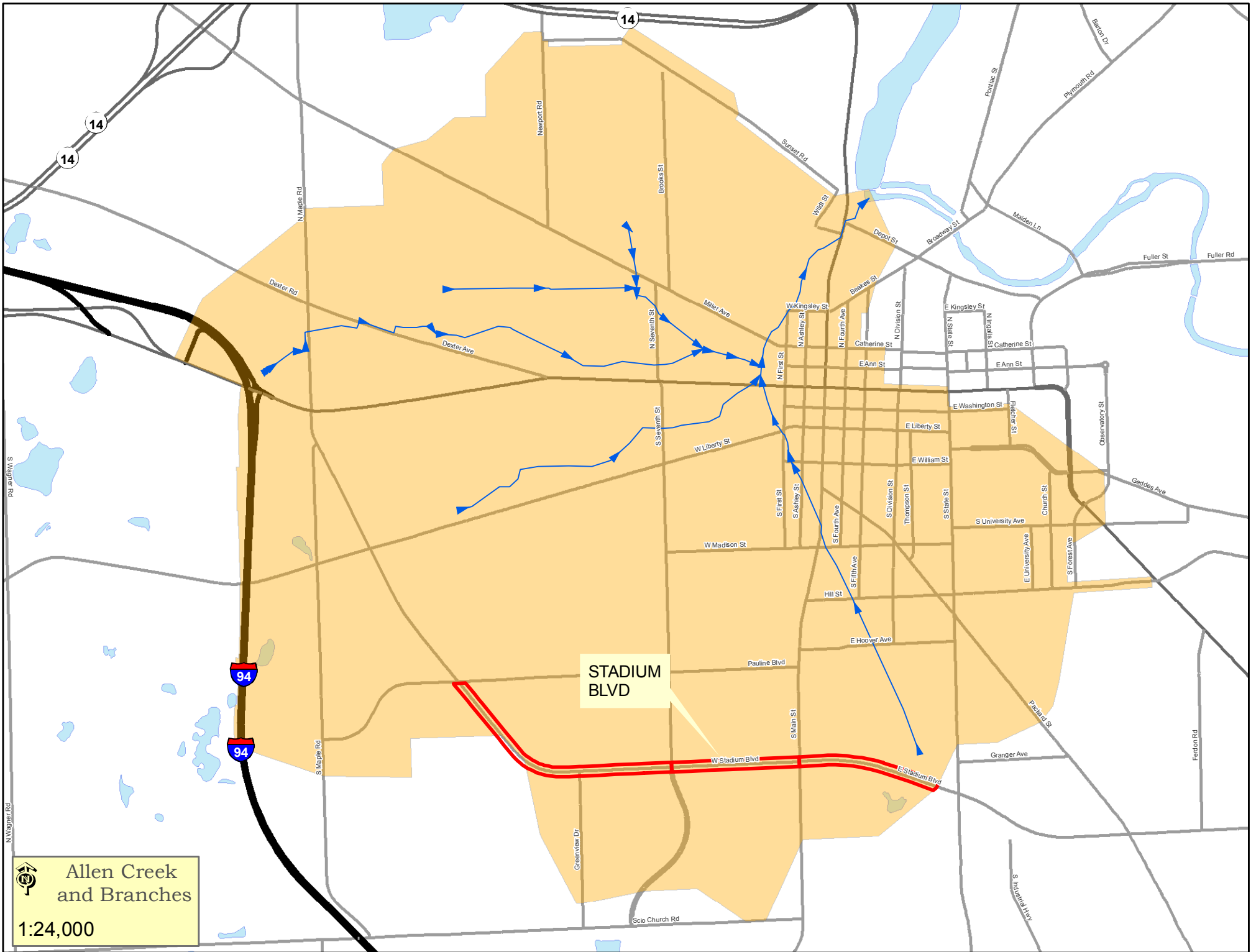
Impact on Human Resources: None.

Impact on Budget: None.

Impact on Other County Departments or Outside Agencies: None.

Conformity to County Policies: The County's full faith and credit policy requires County Planning Advisory Board review and approval.

Attachments: Location maps.



STADIUM
BLVD



Allen Creek
and Branches

1:24,000