

**City of Wichita
District III Advisory Board Meeting
May 4, 2011**

TO: City Council Member
District Advisory Board Members

SUBJECT: Kansas Turnpike Bridge at the Big Slough
(south of 55th Street South, west of Hydraulic)

INITIATED BY: Department of Public Works & Utilities

AGENDA: New Business

Recommendation: Receive and file.

Background: On September 15, 2009, the City Council approved a project to improve drainage of the Big Slough at the Kansas Turnpike. The existing Kansas Turnpike bridge at the Big Slough is undersized and does not provide adequate capacity for conveyance of the 1% chance (100-year) storm event.

Analysis: The project will consist of replacing the existing three-cell (10'x8') box culvert with a three-cell (16'x12') box culvert. This increased capacity will allow proper conveyance of the 1% chance storm event, lower flood elevations, and remove approximately 150 homes from the floodplain, upstream of the structure. Recent improvements downstream of this location will accommodate the larger capacity of the new bridge. The project is planned to begin this summer and be completed by year-end.

Financial Considerations: The project budget included in the 2009-2018 CIP is \$2,000,000, with \$1,600,000 in GO bonds and \$400,000 in Special Assessments.

Legal Considerations: none.

Goal Impact: This project addresses the Public Safety and Efficient Infrastructure goals by improving drainage, lowering flood elevations, and removing residential structures from the floodplain.

Recommendation/Actions: It is recommended that the District Advisory Board receive and file the report.

Attachments: None