

Staff Report

Subject: Effingham Parkway and Blue Jay Road Intersection – Proposed changes

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Department: County Engineering

Meeting Date: June 7, 2022

Item Description: Presentation on an engineering analysis of a traffic model, traffic impacts, and performance of an alternative intersection design to the Effingham Parkway and Blue Jay Road intersection.

Summary Recommendation:

The 2020 Transportation Master Plan did not originally include studying alternative intersections of Blue Jay Road and the Effingham Parkway. However, with the addition of the curve and intersection further east with Blue Jay Road and McCall Road, the performance of that new curve and intersection has raised questions in the design of the Blue Jay / Effingham Parkway intersection, which is designed very similarly. In April 2022, the County requested Pond Inc., the masterplan consultant, to perform a study to consider a roundabout option and model the impact to the road, its intersections with Blue Jay Road, and what improvements would be needed in design to mitigate the effects.

Executive Summary/Background:

- The roundabout performs at a higher level of service.
- The new design can be accommodated with the existing right-of-way

Alternatives for Commission to Consider

1 – None. Presentation and information only.

Department Review: County Engineer; County Attorney

Funding Source: None.

Attachments: 1. Pond report.