



Simmons Farm TIS - Roberts Rd at Emory Rd

From Wesley Stokes <wstokes@ardurra.com>

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To Jim Snowden <jim.snowden@knoxcounty.org>; Mike Reynolds <mike.reynolds@knoxplanning.org>

Cc Mike Conger <mike.conger@knoxplanning.org>

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Jim / Mike,

A recommendation from the TIS was to install a left turn lane on Emory Rd at Roberts Rd – with left turn lane warrants being met for Existing, Background, and Build-out conditions. After reviewing the left turn lane constructability / feasibility, an alternative mitigation recommendation was discussed internally at Knox County. The recommendation is an actuated flasher system that would be installed along Emory Road to warn drivers of vehicles turning onto and off of Roberts Road. Since there are already intersection warning signs installed near this intersection, adding an actuated flashing component to the warning signs would help bring further attention to the intersection.

Furthermore, the capacity analysis results for the combined conditions indicated a LOS C (16.6s delay) during the AM peak hour and LOS B (13.4s delay) during the PM peak hour under build-out conditions at this intersection. The absence of a left turn lane on Emory Road at this intersection is not anticipated to negatively impact the intersection operation from a capacity standpoint.

Thanks,



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