

PURPOSE STATEMENT: To improve traffic operations at the intersection of US 21 and Gilead Road.

NEED FOR PROJECT: The intersection of US 21 and Gilead Road currently operates at a level of service D (approaching unstable flow), and drivers experience a delay of just under one minute at the intersection. Without this project, by 2025, the level of service is expected to deteriorate to F (breakdown flow), with a delay of 1-3 minutes.

Traffic Level of Service* and Delay, 2013 and 2025

Alternative	2013 LOS	2013 Delay (Seconds)	2025 LOS	2025 Delay (Seconds)
No-Build	AM - D	AM - 42.0	AM - F	AM - 89.5
	PM - D	PM - 52.8	PM - F	PM - 172.0
Build (U-Turn)	N/A	N/A	AM - C	AM - 26.7
	N/A	N/A	PM - C	PM - 32.5

*Level of Service: A = free flow; B = reasonably free flow; C = stable flow; D= approaching unstable flow; E = unstable flow; F = breakdown flow

Other Benefits: To enhance pedestrian and bicycle connectivity in the vicinity of the intersection.

To enhance business access in the vicinity of the intersection.