

Acton Circle North/I-40 Eastbound Ramps and US 19/23 (City Exhibit 8-G)

The developer has proposed to add an additional approach lane on Acton Circle at this intersection, and to coordinate this signal with others on the 19/23 corridor. During the PM peak hour, this intersection currently operates at LOS C. At full build-out, with the proposed improvements, this intersection is estimated to operate at LOS C, but with a slightly increased overall delay. It should be noted that movements from Acton Circle and from the I-40 ramps currently operate at LOS E and F. With the development and the improvements, these same movements are estimated to continue operate at LOS E and F, but again with a slightly increased delay.

Residents in the vicinity were concerned about this intersection during the AM peak hour. Traffic counts and analyses are not available for this intersection during the AM peak. However, based on the PM analysis and the fact that Home Depot generates significantly less traffic in the AM, it is reasonable to assume that the proposed added approach lane at this intersection will result in better operating conditions at full build-out during the AM peak.

The proposed eastbound right turn lane at the intersection of Acton Circle and Monte Vista Road will allow drivers to more easily access the intersection of South Acton Circle and US 19/23. This will likely reduce the traffic using the North Acton Circle intersection, further improving the Level of Service. (City Exhibit 3 - location map)
