



Transportation Advisory Board Report

Date: November 21, 2017
To: Transportation Advisory Board
From: David Barrier, Senior Traffic Studies Analyst
Subject: Establish Speed Limit
Ray Road, Power Road to East City Limits

Purpose and Recommendation

Ray Road between Ellsworth Road and Signal Butte Road was constructed as part of the Eastmark development. This section of Ray Road is identified as an arterial street and has a posted speed limit of 45 mph. A speed limit for this newly developed section of Ray Road needs to be established in City Code. See Figure 1.

Staff recommends establishing a speed limit in City Code of 45 mph on Ray Road from Power Road to the east city limits. Extending this speed limit to the east city limits will accommodate any future annexations of Ray Road to the east. A speed limit of 45 mph is consistent with other fully developed arterial streets in Mesa.

Background and Discussion

Ray Road, east of Ellsworth Road, is a 6-lane arterial with a raised median that provides access to numerous collector and local streets that serve the Eastmark development. A 45-mph speed limit is reasonable and typical for this type of roadway and is consistent with the adjacent segments of Ray Road. The posted speed limits of the adjacent segments of Ray Road are 45 mph from Power Road to Ellsworth Road and 45 mph from Signal Butte Road to Mountain Road. Ray Road between Mountain Road and Meridian Road is within Maricopa County limits and has a posted 45 mph speed limit.

Alternatives

As an alternative, a speed limit other than the recommended 45 mph could be established. However, considering the roadway geometrics of this segment of Ray Road and the adjacent land uses, the recommended speed limit is most appropriate and reasonable.

Fiscal Impact

No signing changes will be needed resulting in no fiscal impact.

