



mesa·az Transportation Advisory Board Report

Date: November 21, 2017
To: Transportation Advisory Board
From: Sabine Ellis, City Traffic Engineer
Subject: Establish Speed Limit
Cadence Parkway, Ellsworth Road to Williams Field Road

Purpose and Recommendation

Pacific Proving Grounds North (PPGN), a mixed-use development at the former General Motors Proving Grounds, is currently under construction near the intersection of Ellsworth and Ray Roads. Cadence Parkway is identified as a collector street and will require a speed limit to be established per City Code.

Staff recommends establishing a speed limit of 35 mph on Cadence Parkway from Ellsworth Road to a point 1,200 feet east of Ellsworth Road and a speed limit of 30 mph from a point 1,200 feet east of Ellsworth Road to Williams Field Road. See Figure 1 for a location map.

Background and Discussion

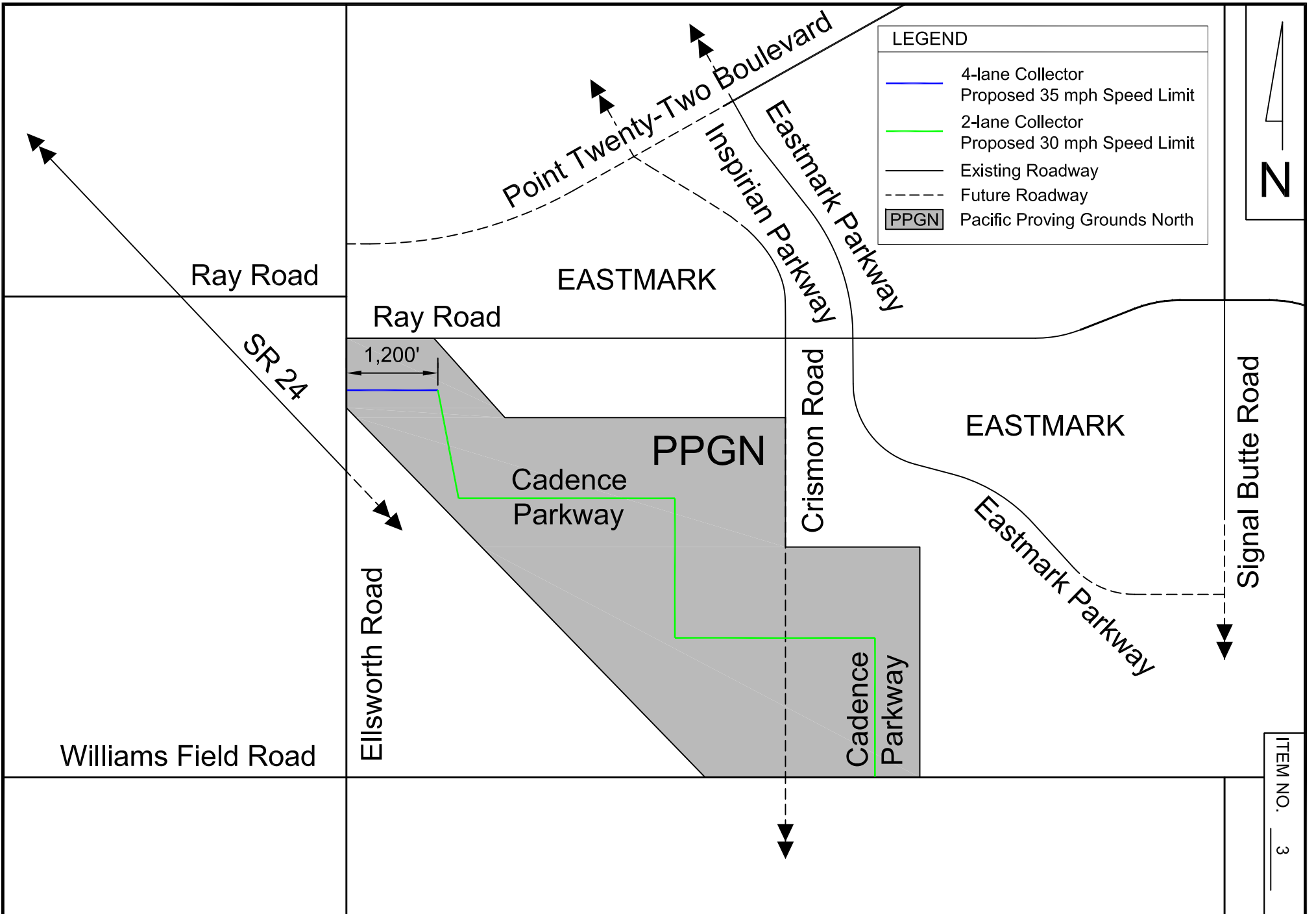
Cadence Parkway will run from Ellsworth Road to Williams Field Road once the PPGN development is completed. From Ellsworth Road to a point 1,200 feet east of Ellsworth Road, Cadence Parkway will be a 4-lane collector with a raised median and the adjacent land use will be predominantly commercial. A 35-mph speed limit is reasonable and typical for this type of roadway. From a point 1,200 feet east of Ellsworth Road to Williams Field Road, Cadence Parkway will be a 2-lane collector with a raised median and run through the primarily residential part of the development. Due to the change in traffic lanes and land use, a 30-mph speed limit is more suitable for this section of roadway.

Alternatives

As an alternative, a speed limit other than 35 mph and 30 mph respectively could be established. However, considering the roadway geometrics of Cadence Parkway and the adjacent land uses, the recommended speed limits are most appropriate and reasonable.

Fiscal Impact

The installation of speed limit signs is included in the construction of PPGN, resulting in no fiscal impact.



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FIGURE 1: LOCATION MAP - CADENCE PKWY