



Memorandum

Date: October 19, 2012
To: Darcy Forsell, City of San Mateo
From: Gary Black
Subject: New Nueva High School Circulation Plan

Introduction

Hexagon Transportation Consultants, Inc. has re-evaluated the site access for the proposed Nueva High School in San Mateo, California. The previous site access plan had an inbound driveway on 28th Avenue opposite Kyne Street and an in-and-out driveway on Delaware Street. The new site plan, dated October 5, 2012, maintains the same driveway functions and on-site circulation but moves the 28th Avenue driveway so that it is east of Kyne Street.

Hexagon believes that the new access plan will function better than the old plan. Our analysis is described below.

Access Analysis

Access to the site for student drop-off/pick-up and for buses is proposed via an entry-only driveway on 28th Avenue. Access for staff and visitors is proposed via a two-way driveway on Delaware Street. The Delaware exit will include a device to allow only right turn exits. The 28th Avenue driveway has been moved away from the Kyne Street intersection.

Previously the driveway was located directly across from Kyne Street East at the signalized intersection. Hexagon determined that because of the design of 28th Avenue at this location, it would not be possible to allow inbound left turns into the driveway at that location. Therefore, the driveway would need to be restricted to right turns only. If the driveway is restricted to right turns only, there is nothing to be gained by being located within the signalized intersection. The presence of a driveway on the north side of the intersection would just complicate the signal operations. Therefore, Hexagon suggested that the driveway be moved to the eastern edge of the Nueva High School site, which puts it about 30 feet east of Kyne Street. The driveway will be restricted to right turns in only, so it will not affect the signalized intersection operations.

The Nueva High School site plan shows that the driveway on Delaware Street will be restricted to right turns out only. This will reduce potential traffic conflicts with the planned parking garage across the street. The Delaware Street driveway will serve as the exit for student drop-offs/pick-ups and buses, as well as the entrance and exit for staff and visitors.

Conclusions

The new Nueva High School site plan, dated October 5, 2012, provides good site access and circulation. It is not expected that school traffic would cause any back-ups or disruption to traffic flow on 28th Avenue or on Delaware Street.