



CITY of CALABASAS
TRAFFIC AND TRANSPORTATION COMMISSION AGENDA REPORT

DATE: FEBRUARY 22, 2023

TO: TRAFFIC AND TRANSPORTATION COMMISSION

FROM: ANNA HARTOUNIANMISHEHPARAEI, E.I.T., ASSOCIATE CIVIL ENGINEER
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SUBJECT: CITYWIDE GREEN STREET PROJECT – LAS VIRGENES RD/THOUSAND OAKS BLVD ROUNDABOUT

MEETING

DATE: FEBRUARY 28, 2023

BACKGROUND:

Citywide Green Street Project targets areas within the City that could be developed into green streets through implementation of green infrastructure BMPs such as bioretention areas, treatment planters, and pervious pavement to capture, decrease flow, and filter stormwater. Below is the list of the project's locations:

1. Northern Terminus of Las Virgenes Road
2. Calabasas Road
3. West side of Mureau Road
4. Las Virgenes Road and Thousand Oaks Boulevard Intersection

This project will consist of two phases. Phase I will concentrate on the improvements of leading three locations as listed above and Phase II will focus on the construction of the vegetated roundabout at the intersection of Las Virgenes Road & Thousand Oaks Boulevard.

Through implementation of green infrastructure – stormwater treatment BMPs - at the roundabout, this project could ultimately contribute to capturing and filtering excess stormwater in addition to improving traffic condition.

DISCUSSION:

Improvements on the Las Virgenes road include converting the northern terminus of the roadway into a cul-de-sac, providing crosswalks along the roadway and pedestrian refuge. They include building off-street parking facilities alongside the roadway and incorporate housing multiple bioretention beds and continues bioswales alongside edge of the roadway to better capture stormwater flow from the hillside. Additionally, vegetated medians will be built on the Mureau Road and further developments and implementation of BMPs are incorporated into the design alongside the Calabasas road.

Phase II of the Citywide Green Street project will propose the construction of a landscaped roundabout at the intersection of Las Virgenes Road and Thousand Oaks Boulevard which will serve as a stormwater BMP. In addition, Traffic operation analysis has determined that Level of Service (LOS) could be improved by converting the existing stop-controlled intersection at the crossroads of Las Virgenes Rd & Thousand oaks Blvd, to a roundabout intersection.

The concept layout for the roundabout was presented in the workshop, March 24, 2015 at 7:00 pm at the Agoura Hills/Calabasas Community Center. The layout followed the guidelines of a typical roundabout for an intersection similar to one at Las Virgenes Rd. and Thousand Oaks Blvd., in terms of pavement markings, physical roadway conditions and traffic characteristics.

Later on, the developed design of the roundabout included modifications utilizing engineering judgment and considering public input, also including in-depth analysis on the drainage, interaction of traffic stream beyond the roundabout and visibility issues. A through description of the design was presented at the TTC meeting, March 9th, 2017.

Tonight, a conceptual design and preliminary traffic operation simulation will be presented. The design included improvements identified at the previous workshop and meeting.

FISCAL IMPACT/SOURCE OF FUNDING

The Citywide Green Street project is fully funded by Prop 1 and Measure M funds.

REQUESTED ACTION

It is requested that the Traffic & Transportation Commission provide input and comments. Feedbacks will be considered during the final design phase of the roundabout intersection.