



March 13, 2018

Ms. Carolyn Mamaradlo
Senior Transportation Analyst
Orange County Transportation Authority
550 S Main Street
Orange, CA 92863-1584

Subject: MPAH Amendment Request for Los Patrones Parkway

Dear Ms. Mamaradlo,

OC Public Works (OCPW) is requesting formal initiation of a MPAH Amendment process that includes Los Patrones Parkway (LPP), also known as "F" Street, located primarily within Unincorporated Area of the County of Orange.

OCPW proposes the following modifications to the MPAH:

- Addition of Los Patrones Parkway south of Oso Parkway to Chiquita Canyon Road as a Secondary Arterial; and
- Reclassification of Los Patrones Parkway south of Chiquita Canyon Road to Cow Camp Road from its current Primary Arterial designation to a Secondary Arterial.

The requested MPAH changes are primarily within Unincorporated Area of Orange County, with the northern terminus of LPP adjacent to the City of Rancho Santa Margarita.

LPP was planned and designed as an enhanced capacity Secondary Arterial that can accommodate a higher than typical volume for a 4-lane highway. Some of these enhancements include minimum 8-foot wide median, limited access points, higher design speed, and enhanced intersection design for the signalized intersections at each end of the roadway. These features allow for an operating capacity that is considerably higher than the typical 20,000 ADT for a conventional Secondary Arterial Highway on the MPAH.

Using the Secondary Arterial designation for LPP recognizes the historical origins of the facility from the Ranch Plan EIR:

- **Environmental Impact Report (EIR) 589 for The Ranch Plan, approved November 8, 2004**
“F” Street was first addressed in EIR 589 and considered as an alternative to any delay of implementation or removal of the Foothill Transportation Corridor extension to the south. The “F” Street alternative was recognized in a resolution of the Board of Supervisors on November 8, 2004 as *“a secondary arterial linking Cow Camp Road to the existing SR-241 at Oso Parkway if the Foothill Transportation Corridor is not extended”*.
- **Amendment to the Master Plan of Arterial Highways, approved by OCTA September 27, 2010**
The amendment includes the addition of the Rancho Mission Viejo (RMV) development circulation plan to the MPAH. The amendment request was initiated by the County and proposed to add “F” Street as a secondary (4-lane, undivided) arterial from its east terminus at Cow Camp Road extending northwesterly to connect with the proposed SR-241. The label “F” Street, in this instance, was used for consistency with the nomenclature of the roadways within the (2010) Ranch Circulation Plan, and is inconsistent with the use of the label “F” Street in all other documents summarized herein.
- **Los Patrones Project Report (PR) Traffic Study, dated February 2015**
The traffic study prepared for the PR assumes F Street as a modified Rural Secondary Highway that runs in the north-south direction between its two termination points at Oso Parkway and Cow Camp Road. The project roadway was assumed to have two 12-foot through lanes with 8-foot shoulders, varying median width, and a proposed design speed of 70 mph.

The traffic analysis showed opening day average daily traffic (ADT) volumes of 18,000 south of Oso Parkway and 9,000 north of CCR. The corresponding 2035 forecasted volumes are 39,000 and 24,000, respectively. The key elements of the capacity analysis in the PR traffic study were the signalized intersection at Oso Parkway and Cow Camp Road, and the interchange ramp connections to Chiquita Canyon Drive.


- **“F” Street Addendum to FEIR 584 and 589, administratively approved March 4, 2015**
The purpose of the addendum was to analyze the potential differences between the impacts evaluated in FEIR 584 (for the Southern Subregion Habitat Conservation Plan) and FEIR 589 and those that would be associated with the construction of “F” Street between Cow Camp Road and Oso Parkway. The proposed alignment was modified slightly from the alignment evaluated in EIR 584 and 589. The northerly half of the alignment was shifted to the west and horizontal and vertical curve radii were increased to accommodate higher design speed and provide fewer impacts to sensitive habitat. The Addendum describes that there are no significant impacts resulting from the modified alignment.

The requested designation of LPP as a Secondary Arterial Highway on the MPAH is consistent with its designed operational capacity and anticipated traffic volumes. The County will continue to monitor traffic volumes on LPP on a biennial frequency and will recommend adjustments to the MPAH if future demand exceeds its designed capacity.

Concurrently, OCPW is amending the County's General Plan to be consistent with this MPAH amendment request.

Should you have any questions regarding this request, please contact Jamie Reyes at (714) 647-3903.

Sincerely,



Nardy Khan, P.E., P.M.P.
Deputy Director, Infrastructure Programs
OC Public Works

cc: Kurt Brotcke, Director of Strategic Planning, OCTA
Edward Frondoso, County Traffic Engineer, OCPW
Jamie Reyes, Civil Engineer, OCPW