April 9, 2018

To: Members of the Board of Directors

From: Lauren Weinert, Clerk of the Board

Subject: Amendment to the Master Plan of Arterial Highways

Regional Planning and Highways Committee Meeting of April 2, 2018

Present: Directors Bartlett, Delgleize, M. Murphy, Nelson, and Steel
Absent: Directors Pulido and Spitzer

Committee Vote

This item was passed by the Members present.

Committee Recommendations

A. Approve an amendment to the Master Plan of Arterial Highways for the following:

- Reclassify Esperanza Road, between Imperial Highway and the Fairmont Boulevard Connector, from a major (six-lane, divided) to a primary (four-lane, divided) arterial;
- Reclassify Fairmont Boulevard Connector, between Esperanza Road and Fairmont Boulevard, from a major (six-lane, divided) to a primary (four-lane, divided) arterial;
- Reclassify Los Patrones Parkway, between Chiquita Canyon Road to Cow Camp Road, from a primary (four-lane, divided) to secondary (four-lane, undivided) arterial; and
- Add Los Patrones Parkway, south of Oso Parkway to Chiquita Canyon Road, as a secondary (four-lane, undivided) arterial.

The proposed amendment will become final, contingent upon the Orange County Transportation Authority receiving documentation that the County of Orange and City of Yorba Linda have amended their respective general plans and have complied with the requirements of the California Environmental Quality Act.
If the original proposed Master Plan of Arterial Highways amendment is modified as a result of the California Environmental Quality Act and/or general plan amendments processes, the modified Master Plan of Arterial Highways amendment shall be returned to the Orange County Transportation Authority's Board of Directors for consideration.

B. Direct the Executive Director of Planning, or his designee, to file a Notice of Exemption from the California Environmental Quality Act in support of the amendment to the Master Plan of Arterial Highways.

C. Receive and file a status report on active Master Plan of Arterial Highways amendments.
April 2, 2018

To: Regional Planning and Highways Committee

From: Darrell E. Johnson, Chief Executive Officer

Subject: Amendment to the Master Plan of Arterial Highways

Overview

The Orange County Transportation Authority administers the Master Plan of Arterial Highways, including the review and approval of amendments requested by local agencies. The County of Orange has requested an amendment to the Master Plan of Arterial Highways that is recommended for approval. A status update on the active Master Plan of Arterial Highways amendments is also provided.

Recommendations

A. Approve an amendment to the Master Plan of Arterial Highways for the following:

- Reclassify Esperanza Road, between Imperial Highway and the Fairmont Boulevard Connector, from a major (six-lane, divided) to a primary (four-lane, divided) arterial;
- Reclassify Fairmont Boulevard Connector, between Esperanza Road and Fairmont Boulevard, from a major (six-lane, divided) to a primary (four-lane, divided) arterial;
- Reclassify Los Patrones Parkway, between Chiquita Canyon Road to Cow Camp Road, from a primary (four-lane, divided) to secondary (four-lane, undivided) arterial; and
- Add Los Patrones Parkway, south of Oso Parkway to Chiquita Canyon Road, as a secondary (four-lane, undivided) arterial.

The proposed amendment will become final, contingent upon the Orange County Transportation Authority receiving documentation that the County of Orange and City of Yorba Linda have amended their respective general plans and have complied with the requirements of the California Environmental Quality Act.
If the original proposed Master Plan of Arterial Highways amendment is modified as a result of the California Environmental Quality Act and/or general plan amendments processes, the modified Master Plan of Arterial Highways amendment shall be returned to the Orange County Transportation Authority’s Board of Directors for consideration.

B. Direct the Executive Director of Planning, or his designee, to file a Notice of Exemption from the California Environmental Quality Act in support of the amendment to the Master Plan of Arterial Highways.

C. Receive and file a status report on active Master Plan of Arterial Highways amendments.

Background

Proposed amendments to the Master Plan of Arterial Highways (MPAH) are submitted to the Orange County Transportation Authority (OCTA) Board of Directors (Board) on a quarterly basis. Details on this proposed MPAH amendment request and a status update on active MPAH amendments are provided below.

Discussion

The County of Orange (County) has submitted letters requesting changes to the MPAH (Attachment A and Attachment B) for the following:

- Reclassify Esperanza Road, between Imperial Highway and the Fairmont Boulevard Connector, from a major (six-lane, divided) to a primary (four-lane, divided) arterial;
- Reclassify Fairmont Boulevard Connector, between Esperanza Road and Fairmont Boulevard, from a major (six-lane, divided) to a primary (four-lane, divided) arterial;
- Reclassify Los Patrones Parkway, between Chiquita Canyon Road to Cow Camp Road, from a primary (four-lane, divided) to secondary (four-lane, undivided) arterial; and
- Add Los Patrones Parkway, south of Oso Parkway to Chiquita Canyon Road, as a secondary (four-lane, undivided) arterial.

The requested amendment is illustrated in Attachment C.
Esperanza Road and Fairmont Boulevard Connector

Esperanza Road and the Fairmont Boulevard Connector are within the jurisdictions of the County and City of Yorba Linda (Yorba Linda). However, the County is serving as the lead agency on this MPAH amendment request. Yorba Linda has indicated their support for the County to serve as lead in the attached letter (Attachment D).

The proposed reclassifications would support the County’s efforts to complete the Orange County Loop: 66 miles of regional connections for people to bike, walk, and connect to some of California’s most scenic beaches and inland reaches. Approximately 75 percent is already in place, with nearly 46 miles of existing off-street trails along the San Gabriel River, Coyote Creek, Santa Ana River, and the Coastal/Beach Trail. This proposed MPAH amendment would allow the County to reconfigure Esperanza Road and the Fairmont Boulevard Connector to accommodate a protected bikeway within the existing right-of-way. This project would complete a gap connection between the El Cajon Trail and the Santa Ana River Trail.

Current and future (year 2040) traffic volumes along the proposed segments are estimated between 15,000 and 20,000 average daily traffic (ADT). These traffic volumes are within the acceptable level of service for primary (four-lane, divided) arterials, which is typically between 20,000 and 30,000 ADT. Also, with regard to adjacent facilities owned and operated by the City of Anaheim (Anaheim) and the California Department of Transportation (Caltrans), there are no anticipated impacts due to the relatively low traffic volumes. Both Anaheim and Caltrans have provided letters of support for the County’s MPAH amendment request (Attachments E and F). As such, the proposed reclassifications are expected to be feasible from a technical and local support perspective.

Los Patrones Parkway

The proposed new roadway, Los Patrones Parkway, is located within Unincorporated Area of Orange County, with the northern terminus adjacent to the City of Rancho Santa Margarita and State Route 241. Los Patrones Parkway has been planned as a secondary arterial to support the Rancho Mission Viejo development. This arterial designation is consistent with various approved environmental documents and legal agreements held by the County.
Amendment to the Master Plan of Arterial Highways

The roadway is currently under construction and scheduled to open for public use by summer 2018. Los Patrones Parkway is expected to accommodate future volumes estimated to be approximately 30,000 ADT. Roadway design includes enhancements such as a minimum eight-foot median, limited access points, higher design speed, and enhanced intersection designs. 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. As such, the proposed addition of Los Patrones Parkway is expected to be feasible.

California Environmental Quality Act

Amendments to the MPAH are not projects subject to the California Environmental Quality Act (CEQA) or, alternatively, are exempt from CEQA review. As such, if the Board approves the recommendations, OCTA will file a Notice of Exemption from CEQA in support of the proposed amendment to the MPAH.

Status Update

There are currently 33 active amendments proposed for the MPAH (Attachment G). Many of these amendment requests are awaiting local action to amend their respective general plans. Others are either under review, are in the cooperative study process, are pending resolution of issues with other agencies, or are awaiting refinement of development plans.

Summary

The County has requested an amendment to the MPAH. Based upon the information provided by the County, the requirements of the MPAH have been satisfied, and Board approval of staff’s recommendations is requested. A summary of active MPAH amendments is also provided for the Board review.
Amendment to the Master Plan of Arterial Highways

Attachments

A. Letter from Nardy Khan, P.E., P.M.P., Deputy Director, Infrastructure Programs, OC Public Works, to Joe Alcock, Section Manager, Corridor Studies and Long Range Planning, Orange County Transportation Authority, Dated February 27, 2018, Subject: MPAH Amendment Request for Esperanza Road and Fairmont Boulevard Connector

B. Letter from Nardy Khan, P.E., P.M.P., Deputy Director, Infrastructure Programs, OC Public Works, to Carolyn Mamaradlo, Senior Transportation Analyst, Orange County Transportation Authority, Dated March 13, 2018, Subject: MPAH Amendment Request for Los Patrones Parkway

C. County of Orange, MPAH Amendment Request

D. Letter from Brad Fowler, Interim Director of Public Works/City Engineer, City of Yorba Linda, to Nardy Khan, P.E., P.M.P., Deputy Director, Infrastructure Programs, OC Public Works, Dated March 7, 2018, Subject: OC Public Works Led MPAH Amendment Request for Esperanza Road and Fairmont Boulevard

E. Letter from Rudy Emami, P.E., Public Works Director, City of Anaheim, to Jamie N. Reyes, PE, OC Public Works, Dated March 1, 2018, Subject: Support for the Proposed Amendment to the Master Plan of Arterial Highways for Esperanza Road and Fairmont Connector and Consent to Orange County Public Works to Act as the Lead for the MPAH Amendment Effort

F. Letter from Marlon Regisford, Branch Chief, Regional-IGR-Transit Planning, District 12, California Department of Transportation, to Ms. Jamie Reyes, Orange County Public Works, Dated February 28, 2018

G. Status Report on Active Master Plan of Arterial Highways Amendments

Prepared by:

Carolyn Mamaradlo
Senior Transportation Analyst
(714) 560-5748

Approved by:

Kia Mortazavi
Executive Director, Planning
(714) 560-5741
February 27, 2018

Mr. Joe Alcock
Section Manager, Corridor Studies and Long Range Planning
Orange County Transportation Authority
550 S Main Street
Orange, CA 92863-1584

Subject: MPAH Amendment Request for Esperanza Road and Fairmont Boulevard Connector

Dear Mr. Alcock,

OC Public Works (OCPW) is requesting formal initiation of a MPAH Amendment process that includes Esperanza Road and Fairmont Boulevard Connector located within Unincorporated County of Orange and the City of Yorba Linda.

OCPW proposes modifications to the MPAH of the following arterial facilities:

- Reclassification of Esperanza Road, between Imperial Highway and Fairmont Connector, from its current Major Arterial designation to a Primary Arterial; and
- Reclassification of Fairmont Boulevard Connector, between Esperanza Road and Fairmont Boulevard, from its current Major Arterial designation to a Primary Arterial.

The reclassification would occur to facilitate a County roadway project to reconfigure Esperanza Road and Fairmont Connector to add bicycle facilities. The Esperanza Road Bikeway Improvement Project is identified as Segment H in the Orange County Transportation Authority (OCTA) Bikeway Collaborative Plan.

The project goal is a continuous bikeway facility that will connect the El Cajon Trail to the Santa Ana River Trail. Furthermore, it will complete an additional segment of the 66 mile long Orange County (OC) Loop multi-use trail. It will be available and accessible to a wide range of users and improve bike safety by providing a bike lane as well as separated paved, off-road and on-road bikeways protected from vehicle traffic.
The requested MPAH change for Esperanza Road is primarily within Unincorporated Orange County, with the eastern portion within the City of Yorba Linda. The change for Fairmont Boulevard Connector is entirely within the City of Yorba Linda. Other stakeholders of the Project include the City of Anaheim, Caltrans, and OCTA.

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

Sincerely,

[Signature]
Nadya Khan, P.E., P.M.P.
Deputy Director, Infrastructure Programs
OC Public Works

cc: Carolyn Mamardlo, OCTA
    Fiona Man, OC Public Works/Programming
    Jamie Reyes, OC Public Works/Traffic & Design
March 13, 2018

Ms. Carolyn Mamaradio
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. Mamaradio,

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.

  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 northern 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,

Nandy 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
Add Los Patrones South of Oso Parkway to Chiquita Canyon Road as a Secondary

Los Patrones Reclassify from Primary to Secondary
March 7, 2018

Nardy Khan, P.E., P.M.P
Deputy Director, Infrastructure programs
OC Public Works
300 N. Flower Street
Santa Ana, CA 92705

Subject: OC Public Works Led MPAH Amendment Request for Esperanza Road and Fairmont Boulevard

Dear Mr. Khan,

This letter responds to your correspondence dated February 27, 2018 regarding OC Public Works (OCPW) proposal to reclassify the following arterials:

- Esperanza Road, between Imperial Highway and Fairmont Connector, from its current Major Arterial designation to a Primary Arterial; and
- Fairmont Boulevard Connector, between Esperanza Road and Fairmont Boulevard, from its current Major Arterial designation to a Primary Arterial.

The City of Yorba Linda supports your request for OCPW to take the lead in this MPAH Amendment for Orange County Transportation Authority (OCTA) Board approval. We understand that this reclassification would occur in conjunction with a proposed roadway project to reconfigure Esperanza Road and Fairmont Connector to add bicycle facilities. The Esperanza Road Bikeway Improvement Project is identified as Segment H in the OCTA Bikeway Collaborative Plan. Furthermore, it will complete an additional segment of the 66-mile long Orange County (OC) Loop multi-use trail.

Please feel free to contact me at 714-961-7170 should you have any questions.

Sincerely,

CITY OF YORBA LINDA

[Signature]
Brad Fowler,
Interim Director of Public Works/City Engineer
City of Anaheim
DEPARTMENT OF PUBLIC WORKS

March 1, 2018

Jamie N. Reyes, PE
OC Public Works
300 N. Flower St.
Santa Ana, CA 92705

Subject: Support for the Proposed Amendment to Master Plan of Arterial Highways for Esperanza Road and Fairmont Connector and Consent to Orange County Public Works to Act as the Lead for the MPAH Amendment Effort

Dear Ms. Reyes:

The City of Anaheim is pleased to support the Orange County Public Works (OCPW) request to the Orange County Transportation Authority (OCTA) for approval of an amendment to the Master Plan of Arterial Highways. We also agree and support OCPW acting as the lead for this MPAH Amendment effort. This amendment would reclassify Esperanza Road between Imperial Highway and Fairmont Connector, from its current Major Arterial designation to a Primary Arterial. The amendment would also reclassify the Fairmont Boulevard Connector, between Esperanza Road and Fairmont Boulevard, from its current Major Arterial designation to a Primary Arterial. We appreciate this opportunity to comment, as this roadway segment is adjacent to the City of Anaheim.

As indicated in the attached letter from OCPW dated February 27, 2018, the proposed MPAH amendment is requested in conjunction with a proposed roadway project to reconfigure Esperanza Road and Fairmont Connector to add bicycle facilities. The Esperanza Road Bikeway Improvement Project is identified as Segment H in the OCTA Bikeway Collaborative Plan. As indicated in the attached letter, the project goal is a continuous bikeway facility that will connect the El Cajon Trail to the Santa Ana River Trail. This project will complete an additional segment of the 66-mile long Orange County (OC) Loop multi-use trail. It will also be available and comfortable to a wide range of users and improve bike safety by providing a bike lane as well as a separated paved, off-road and on-road bikeway protected from vehicle traffic.

Our staff has reviewed the proposed amendment and supports the change as it is consistent with the vision for the area to complete the OC Loop, which will help provide additional bicycling opportunities and help decrease auto travel.
Amendment to Master Plan of Arterial Highways (Esperanza Road and Fairmont Connector) and Consent to Orange County Public Works to Act as the Lead for the MPAH Amendment
March 1, 2018
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Please feel free to contact me at (714) 765-5065 or REmami@anaheim.net with any questions you may have.

Sincerely,

Rudy Emami, P.E.
Public Works Director

Attachments

C: Linda Andal, Interim City Manager
Carlos Castellanos, City Engineer
Project File
February 27, 2018

Mr. David K. Mori, Esq.
Engineering Manager
City of Anaheim
200 S Anaheim Blvd.
Anaheim, CA 92805

Subject: Consent to OC Public Works Led MPAH Amendment Request for Esperanza Road and Fairmont Connector

OC Public Works (OCPW) proposes modifications to the County of Orange Master Plan of Arterial Highways (MPAH) of the following arterial facilities:

- Reclassification of Esperanza Road, between Imperial Highway and Fairmont Connector, from its current Major Arterial designation to a Primary Arterial; and
- Reclassification of Fairmont Boulevard Connector, between Esperanza Road and Fairmont Boulevard, from its current Major Arterial designation to a Primary Arterial.

The reclassification would occur in conjunction with a proposed roadway project to reconfigure Esperanza Road and Fairmont Connector to add bicycle facilities. The Esperanza Road Bikeway Improvement Project is identified as Segment H in the Orange County Transportation Authority (OCTA) Bikeway Collaborative Plan. The project goal is a continuous bikeway facility that will connect the El Cajon Trail to the Santa Ana River Trail. Furthermore, it will complete an additional segment of the 66-mile long Orange County (OC) Loop multi-use trail. It will be available and comfortable to a wide range of users and improve bike safety by providing a bike lane as well as separated paved, off-road and on-road bikeway protected from vehicle traffic.

The County respectfully requests your support in this amendment with OCPW being the lead agency for this effort. Please provide your signed consent letter and return via mail or email no later than Monday, March 5, 2018 to:

Address: Jamie Reyes
OC Public Works
300 N. Flower Street
Santa Ana, CA 92705

Email: Jamie.Reyes@ocpw.ocgov.com
OCPW will be taking the subject MPAH Amendment Request for OCTA Board approval in April 2018. Your consent, if granted, will be used as support documentation to OCPW’s MPAH Amendment Request Letter to OCTA.

Should you have any questions or if your response will be late for any reason, please contact Jamie Reyes at (714) 647-3903.

Sincerely,

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

cc: Edward Frondoso, OC Public Works/OC Infrastructure Programs/Traffic & Design
Jamie Reyes, OC Public Works/OC Infrastructure Programs/Traffic & Design