



PRESENTATION ITEM

DATE: JULY 31, 2023

TO: COMMUNITY SERVICES COMMISSION
PLANNING COMMISSION
TRAFFIC AND PARKING COMMISSION

FROM: THOMAS E. WHEELER, P.E. *TW*
DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

INITIATED BY: DOUGLAS A. ERDMAN, P.E. *JE*
ASSISTANT CITY ENGINEER

INITIATED BY: TRAN TRAN, P.E. *TT*
TRAFFIC ENGINEERING MANAGER

INITIATED BY: MICHAEL MC CONAHA *MM*
PUBLIC WORKS MAINTENANCE MANAGER

SUBJECT: PUBLIC WORKS DEPARTMENT PROJECT QUARTERLY
UPDATE APRIL TO JUNE 2023

RECOMMENDED ACTION:

Receive the Public Works Department Project Quarterly Update from April to June 2023.

DISCUSSION:

This quarterly report provides the status of various scheduled projects and significant activities managed by the Public Works Department.

I. Street Improvements

A. Street Resurfacing and Slurry Seal (FY 2021-22 and FY 2022-23)

These roadway repair projects utilize a couple of different methodologies. The City's bi-annual Pavement Management Program provides recommendations to improve the street network pavement conditions. The system is designed to avoid expensive deferred maintenance. Conformance with the system makes the City eligible for Measure M funding from OCTA. In general, typical arterial

roadway repairs are asphalt overlays, and for collector and residential roadways the typical repairs are to slurry seal the roadways.

The FY 2021-22 Arterial Slurry Seal project will slurry seal the arterial streets of both Jeronimo Road & Muirlands Boulevard for their full lengths through the city. The Coronavirus Response and Relief Supplemental Appropriations Act is providing grant funding to the cities in Orange County for local street and road rehabilitation and maintenance projects. Lake Forest is programmed to receive \$248,199 in grant funding which will be used for this project. The City received approval of the grant by the California Transportation Commission in April 2022. Staff is preparing additional paperwork required for the federal grant prior to advertising the project for construction. The project is anticipated to be out for bid in the summer 2023.

The FY 2022-23 slurry seal project is Zone A (Northwest Lake Forest). The project is in the pre-inspection phase and is scheduled to be advertised for bid later this year.

Project schedule (FY 2021-22 Arterial Slurry Seal, Jeronimo & Muirlands):

PROJECT SCHEDULE	FISCAL YEAR 2022-23				FISCAL YEAR 2023-24			
	July - Sept.	Oct-Dec.	Jan. - Mar.	Apr. - Jun.	July - Sept.	Oct-Dec.	Jan. - Mar.	Apr. - Jun.
SELECT CONSULT ANT								
DESIGN								
GRANT PROCESS	X	X	X	X				
BID PROCESS					X			
CONSTRUCTION						X	X	

Project schedule (FY 2022-23 Slurry Seal Zone A):

PROJECT SCHEDULE	FISCAL YEAR 2022-23				FISCAL YEAR 2023-24			
	July - Sept.	Oct-Dec.	Jan. - Mar.	Apr. - Jun.	July - Sept.	Oct-Dec.	Jan. - Mar.	Apr. - Jun.
SELECT CONSULT ANT								
DESIGN			X	X				
BID PROCESS					X	X		
CONSTRUCTION						X	X	

II. Traffic Improvement Projects

A. Bake/Trabuco/Irvine Intersection Improvements

This project, part of the Lake Forest Transportation Mitigation (LFTM) program, would convert the northbound dedicated right-turn lane on Trabuco Road into a

4th through/right lane; restripe the southbound #3 through-lane on Irvine Boulevard into a through right lane; add a second eastbound left-turn lane on Bake Parkway; restore the second left-turn lane on westbound Bake; and provide a dedicated right-turn lane on eastbound Bake. Design is 95% complete. The proposed design requires Right-of-Way acquisition and utility relocations with SCE. Utility relocations are anticipated to take between 12 to 18 months.

Project schedule (Bake/Trabuco/Irvine Intersection Improvements):

PROJECT SCHEDULE	FISCAL YEAR 2022-23				FISCAL YEAR 2023-24			
	July - Sept.	Oct- Dec.	Jan. - Mar.	Apr. - Jun.	July - Sept.	Oct- Dec.	Jan. - Mar.	Apr. - Jun.
DESIGN								
RIGHT-OF-WAY ACQUISITION	X	X						
UTILITY RELOCATION			X	X	X	X	X	X
BID PROCESS						X	X	
CONSTRUCTION							X	X

B. Second Eastbound Left-Turn Lane and Second Westbound Right-Turn Lane on El Toro at Portola/Santa Margarita

This project would add a second eastbound left-turn lane on El Toro and a second dedicated westbound right-turn lane on El Toro to mitigate the future traffic impacts that are identified in LFTM. This project requires Right-of-Way acquisition from the County of Orange. The Project was awarded in September, 2022 and the contractor was notified to procure the long-lead items prior to construction start. In March 2023, the long-lead items were procured, and construction started with an anticipated completion date of August 2023.

Project schedule (Second Eastbound Left-Turn Lane and Second Westbound Right-Turn Lane on El Toro at Portola/Santa Margarita):

PROJECT SCHEDULE	FISCAL YEAR 2022-23				FISCAL YEAR 2023-24			
	July - Sept.	Oct. - Dec.	Jan- Mar.	April - June	July - Sept.	Oct- Dec.	Jan. - Mar.	Apr. - Jun.
SELECT CONSULT ANT								
DESIGN								
RIGHT-OF-WAY ACQUISITION								
BID PROCESS	X							
CONSTRUCTION		X	X	X	X			

C. Second Left-Turn Lanes in All Directions at the Intersection of Los Alisos Boulevard and Muirlands

This Foothill Circulation Phasing Program (FCPP) project would consist of widening, median modification, and restriping to provide a second left-turn lane for each of the four approach legs. It requires approximately 7,200 square feet of additional right-of-way and widening of the bridge over Aliso Creek. This project requires coordination with the City of Mission Viejo. The City Council awarded a design contract in December 2021, and staff are currently working with the consultant on the design and in the process to acquire right-of-way.

D. Project schedule (Second Left-Turn Lanes in All Directions at the Intersection of Los Alisos Boulevard and Muirlands Boulevard):

PROJECT SCHEDULE	FISCAL YEAR 2022-23				FISCAL YEAR 2023-24			
	July – Sept.	Oct-Dec.	Jan. – Mar.	Apr. – Jun.	July – Sept.	Oct-Dec.	Jan. – Mar.	Apr. – Jun.
SELECT CONSULT ANT DESIGN	X	X	X	X	X			
RIGHT-OF-WAY ACQUISITION		X	X	X	X	X	X	X
BID PROCESS						X		
CONSTRUCTION							X	X

E. Protective Permissive Left-Turn Phasing Program

This project installed protective permissive left-turn phasing (“PPLTP”) at two intersections (Towne Centre and Market Place and Rockfield and Centre Drive) and modified the pedestrian phasing at a third intersection (El Toro and Toledo). The project and initial after-study are complete, and as part of the on-going after-study staff will implement CCTV cameras at these two locations to continue the monitoring of the traffic flow and effectiveness of the initial implementation. Staff will close out this project and proceed with implementing the following locations for the upcoming two-year CIP budget:

Alton Parkway & Monarch Boulevard – north-south along Monarch Boulevard
 Alton Parkway & Catalina – north-south along Catalina

Project schedule (Protective Permissive Left-Turn Phasing Program):

PROJECT SCHEDULE	FISCAL YEAR 2022-23				FISCAL YEAR 2023-24			
	July - Sept.	Oct- Dec.	Jan. - Mar.	Apr. - Jun.	July - Sept.	Oct- Dec.	Jan. - Mar.	Apr. - Jun.
SELECT CONSULT ANT								
DESIGN		X	X					
BID PROCESS				X				
CONSTRUCTION					X	X		
AFTER-STUDY REPORT								

F. City Participation in Orange County Transportation Authority's (OCTA) Regional Traffic Signal Synchronization Program (TSSP) Projects

The City has participated or is currently participating in six TSSP projects to synchronize traffic signals across multi-jurisdictional boundaries. Each project status is reported below:

	PROJECT	STATUS
1	Los Alisos Boulevard Corridor Traffic Signal Synchronization Project	In 2-year operations and maintenance phase.
2	El Toro Road Traffic Signal Synchronization Project	Completed.
3	Lake Forest Drive Corridor Traffic Signal Synchronization Project - (Follow Up Project)	In primary implementation phase.
4	Portola Parkway/Santa Margarita Parkway Corridor Traffic Signal Synchronization Project	In primary implementation phase.
5	Alton Parkway Corridor Traffic Signal Synchronization Project	In primary implementation phase.
6	Bake Parkway and Rockfield Boulevard Corridor Traffic Signal Synchronization Project	In primary implementation phase

III. Parks and Landscape Improvements

A. Neighborhood Park Renovations

This project will design specific renovations at ten community parks. The ten parks that are the focus of the study include: Borrego Overlook Park, Cherry Park, Darrin Park, Montbury Park, Peachwood Park, Pebble Creek Park, Rancho Serrano Park, Regency Park, Sundowner Park, and Vintage Park. To date, renovations at Peachwood, Cherry, Darrin, Montbury, and Pebble Creek Parks have been completed.

Vintage and Sundowner Parks Improvements construction began in mid-July 2022. Sundowner Park Improvements were complete in Q1 2023. Vintage Park improvements were complete in Q2 2023.

Construction on Borrego Overlook, Regency and Rancho Serrano Parks Improvements began in August 2022 with construction for all three parks complete in early 2023.

Project schedule (Sundowner Park and Vintage Park):

PROJECT SCHEDULE	FISCAL YEAR 2022-23				FISCAL YEAR 2023-24			
	July-Sept	Oct-Dec	Jan-Mar	April-June	July-Sept	Oct-Dec	Jan-Mar	Apr-June
SELECT CONSULTANT								
DESIGN								
BID PROCESS								
CONSTRUCTION	X	X	X	X				

Project schedule (Borrego Overlook Park, Rancho Serrano Park, Regency Park, Sundowner Park, and Vintage Park):

PROJECT SCHEDULE	FISCAL YEAR 2022-23				FISCAL YEAR 2023-24			
	July-Sept	Oct-Dec	Jan-Mar	April-June	July-Sept	Oct-Dec	Jan-Mar	Apr-June
SELECT CONSULTANT								
DESIGN								
BID PROCESS								
CONSTRUCTION	X	X	X					

B. Arbors Mini Park

This project would design and construct the renovations at the Arbors. The improvements include installation of security fencing, removal of existing concrete walkways to promote water infiltration, installation of new drought friendly plants, and replacing existing turf areas with decomposed granite which would make space available for local businesses to utilize the Arbors. The project is being constructed in two phases. The first phase, the northwest side, is complete and a construction

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contract for the second phase, the northeast side, began in May 2022 and was substantially complete in October 2022, except for the sewer lateral which is scheduled to be installed in July 2023.

Project schedule (Arbors Mini Park, Second Phase):

PROJECT SCHEDULE	FISCAL YEAR 2022-23				FISCAL YEAR 2023-24			
	July-Sept	Oct-Dec	Jan-Mar	April-June	July-Sept	Oct-Dec	Jan-Mar	Apr-June
SELECT CONSULTANT								
DESIGN								
BID PROCESS								
CONSTRUCTION	X	X		X	X			

cc: City Council
Debra Rose, City Manager
Gayle Ackerman, AICP, Director of Community Development

