

**MEMORANDUM - CITY OF PASADENA
DEPARTMENT OF PUBLIC WORKS**

DATE: March 19, 2019
TO: Transportation Advisory Commission
FROM: Phyllis Hallowell, ^{PH} Management Analyst V
RE: Recommended FY 2020 – 2024 Capital Improvement Program

Attached for your review are summary reports for the *Streets and Streetscapes* and *Transportation* sections of the Recommended FY 2020 – 2024 Capital Improvement Program (CIP). This item will be discussed at the Commission meeting on Thursday, March 28, 2019 at 4:00 p.m. On Monday, March 18, this item was thoroughly reviewed and discussed by the Commission's CIP Subcommittee.

Summary reports for "active" projects in the *Streets and Streetscapes* (page 1) and *Transportation* (pages 2 – 5) sections outline the proposed FY 2020 CIP by providing the following information for each project:

- Total estimated cost;
- Funding appropriated through FY 2019;
- Expenditures to date through 3/6/19;
- Project balance as of 3/6/19;
- FY 2020 anticipated expenditures;
- FY 2020 recommended appropriations;
- Funding sources where funding is recommended for FY 2020; and
- FY 2020 proposed schedule.

In addition, project sheets for new FY 2020 projects (pages 6 – 12) and a "Future Projects" section (pages 13 – 15) are included for your review. A list of completed projects and projects anticipated for completion by June 30, 2019 is available on page 16. To aid in your review of existing active projects, the Adopted 2019 - 2023 Capital Improvement Program Budget for *Streets and Streetscapes* and *Transportation* are provided in Attachment A.

Staff members will be present at the meeting to answer any questions you may have. We look forward to meeting with you.

Distribution

Commissioner James De Pietro, Chair
Commissioner Jessica Bowles-Martinez
Commissioner Jonathan Edwards
Commissioner Adriana Lim
Commissioner Blair Miller
Commissioner Sam Morrissey
Commissioner Jeffery Potter
Commissioner Timothy S. Sales
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cc: Ara Maloyan, Director of Public Works
Fred Dock, Director of Transportation
Kris Markarian, City Engineer

Recommended FY2020 CIP - Summary Report

Streets and Streetscapes

Priority New	Old	Project#	Project Name	Total Estimated Cost	Appropriated thru FY19	Expenditures as of 3/6/2019	Encumbrances as of 3/6/2019	Project Balance as of 3/6/2019	FY20 Anticipated Expenditures	FY20 Proposed Appropriation	Funding Sources	FY20 Proposed Schedule	Notes
1	1		Annual Citywide Street Resurfacing and ADA Improvement Program - FY 2020	25,960,000	0	0	0	0	4,500,000	6,160,000	Road Maintenance and Rehabilitation Account \$2,300,000 Gas Tax \$1,100,000 Surface Transportation Program (STP) \$1,339,000 Sewer Maintenance and Construction Fund \$650,000	The rehabilitation of Orange Grove Blvd will begin in FY 2020 and be completed in FY 2021.	
2	2	73913	Annual ADA Sidewalk Improvement Program - FY 2020	13,587,271	5,987,271	4,949,943	737,231	300,097	2,000,000	2,000,000	General Fund (additional \$1M in Measure I dollars)	Maintenance of sidewalks, curb and gutter, and curb ramps will continue in FY 2020.	Staff is applying for \$500K in CDBG funds as part of the FY 2020 allotment.
3	4	73324	Colorado Street Bridge - Suicide Mitigation Enhancements	3,150,000	400,000	293,348	0	106,652	750,000	750,000	General Fund (Measure I)	Preparation of the environmental documentation and design phase will be completed in FY 2020.	\$2,000,000 of General Fund (Measure I) is earmarked for this project in FY 2021.
4	5	73929	Bridge Improvement Program	250,000	50,000	24,712	0	25,288	50,000	50,000	Gas Tax	Bridge improvements will continue in FY 2020.	
5	6	73930	Guardrail Improvement Program	460,000	85,000	4,883	0	80,117	0	0		Guardrail inventory and condition assessment will be completed in FY 2020.	Project will receive \$289,000 Highway Safety Improvement Program grant in FY 2021.
6	7	73323	Holly Street Bridge - Seismic Retrofit	9,775,000	9,503,000	471,227	0	9,031,773	350,000	0		Design will be completed in FY 2020.	
Grand Total:				53,182,271	16,025,271	5,744,113	737,231	9,543,927	7,650,000	8,960,000			

Recommended FY2020 CIP - Summary Report

Transportation

Priority	Project#	Project Name	Total Estimated Cost	Appropriated thru FY19	Expenditures as of 3/6/2019	Encumbrances as of 3/6/2019	Project Balance as of 3/6/2019	FY20 Anticipated Expenditures	FY20 Proposed Appropriation	Funding Sources	FY20 Proposed Schedule	Notes
New	Old											
Active Transportation												
1	10	75075	Pasadena Bicycle Program FY 2016 - 2020	498,190	378,190	244,827	18,346	115,017	120,000	120,000	TDA Article 3	Implementation of the Bicycle Transportation Plan will continue in FY 2020, including installation of additional painted bikeway treatments such as green paint at conflict points and installation of sharrows along Roseways.
2	11	75047	Pedestrian Safety Enhancements at Signalized Intersections	956,300	455,300	242,515	0	212,785	501,000	501,000	Measure R - \$316K Traffic Reduction Fee - \$185K	Project will be completed in FY 2020. Northwest location includes Lake Avenue and Mountain Street intersection.
3	35	75090	Left Turn Signal Phasing at Fair Oaks Ave. and Colorado Blvd.	160,000	160,000	0	0	160,000	160,000	0		Construction will begin in FY 2020 and be completed in FY 2021. Construction schedule corresponds with Priority #2 - Pedestrian Safety Enhancements at Signalized Intersections (75047).
4	12	75083	Pedestrian Crossing Enhancements Program	1,006,500	731,500	408,183	214,000	109,317	275,000	275,000	Traffic Reduction Fee	In FY 2020, a High-Intensity Actuated Crosswalk beacon signal will be installed at Del Mar and Michigan Ave, and one Rectangular Rapid Flashing Beacons (RRFB) will be installed at a location to be determined.
Complete Streets												
5	15	75076	Citywide Complete Streets Program FY 2016 - 2020	820,974	820,974	219,358	15,133	586,483	100,000	0		In FY 2020, ongoing work including speed hump investigations, preferential parking program and neighborhood traffic management program will continue.
6	14	75605	Arterials Speed Management Program	892,000	492,000	468,312	15,560	8,128	100,000	100,000	Gas Tax	In FY 2020, additional arterial speed management strategies will be implemented.
7	16	75087	Complete Streets Project - Union Street Cycle Track	8,191,000	3,114,886	312,515	771,202	2,031,169	1,000,000	5,076,114	ATP Augmented (SCAG)	In FY 2020, outreach and final design will be completed and construction will be completed in FY 2021.
8	17	75052	Complete Streets Project - Cordova St. from Hill Ave. to Arroyo Pkwy.	3,076,342	2,726,613	313,609	0	2,413,004	300,000	349,729	Federal Transportation Earmark Exchange Fund	Design will be completed in FY 2020. This project received \$349,729 in Federal Transportation Earmark Exchange funds which were remaining from the 210 Freeway Soundwall project.
9	New		Lake Ave. Traffic and Pedestrian Safety Enhancements from Mountain St. to Maple Ave. – Concept Study	200,000	0	0	0	0	200,000	200,000	Traffic Reduction Fee	Community outreach will be completed in FY 2020. Concept design will begin in FY 2021.

Recommended FY2020 CIP - Summary Report

Transportation

Priority New	Old	Project#	Project Name	Total Estimated Cost	Appropriated thru FY19	Expenditures as of 3/6/2019	Encumbrances as of 3/6/2019	Project Balance as of 3/6/2019	FY20 Anticipated Expenditures	FY20 Proposed Appropriation	Funding Sources	FY20 Proposed Schedule	Notes
10	19	75077	Complete Streets Project - Avenue 64 from Colorado Blvd. to South City Limits	1,871,000	71,000	17,110	0	53,890	0	0		Construction will begin when funding is identified.	Preliminary approval of \$1,800,000 of Measure M Multi-year Subregional program dollars has been received for this project. Final approval will be determined by Metro.
11	20	75093	Complete Streets Project - N. Hill Ave. from North City Limit to Villa St. - Design Phase	400,000	100,000	17,559	0	82,441	0	0		This project will continue when additional funds are identified.	Preliminary approval of \$300,000 of Measure M Multi-year Subregional program dollars has been received for this project. Final approval will be determined by Metro.
12	4		Lake Ave. Gold Line Station Pedestrian Access Improvements	2,886,000	0	0	0	0	200,000	430,000	MTA Grant - \$344,000; South Lake Parking Meters Fund - \$86,000	Design will begin in FY 2020 and be completed in FY 2021.	
13	New		Complete Streets Project - Mountain St. at Sierra Bonita Ave. and Sinaloa Ave. - Design Phase	200,000	0	0	0	0	200,000	200,000	Traffic Reduction Fee	Design will begin in FY 2020 and be completed in FY 2021.	
14	New		Complete Streets Project - South Orange Grove Blvd. from Green St. to Columbia St. - Pedestrian Improvement Project - Design Phase	350,000	0	0	0	0	0	0		Project will begin when funds are identified.	This project will be a candidate for future funding under the Measure M Multi-year Subregional Program.
15	New		Rosemont Ave. Pedestrian Safety Enhancements from Seco St. to Orange Grove Blvd. - Concept Study	200,000	0	0	0	0	0	0		This project will begin when funds are identified.	Staff is researching grant opportunities.
16	3		Enhancements to Metro Gold Line Allen Station - Design Phase	1,000,000	0	0	0	0	0	0		Project to begin when funds are identified.	Next phase of Enhancements to Metro Gold Line Allen Station - Concept Study (75092)

Traffic Operations, Traffic Signals, and ITS

17	29		Traffic Signal System Master Plan	300,000	0	0	0	0	0	0		This project will begin when funding is identified.	
18	22	75096	Mid-block Traffic Signal and Crosswalk at 1790 N. Fair Oaks Ave.	265,000	265,000	62,255	180,886	21,859	175,000	0		This project will be completed in second quarter of FY 2020.	
19	23	75091	Traffic Signal at Garfield Ave. and Washington Blvd.	621,000	621,000	137,045	379,114	104,841	0	0		This project will be completed by second quarter of FY 2020.	
20	24	75104	Traffic Signal Improvements at Colorado Blvd. and Bonnie Ave.	129,000	129,000	13,060	0	115,940	100,000	0		Construction will begin in FY 2020 and be completed in FY 2021.	
21	30	75701	Intelligent Transportation System (ITS) Project - Phase I	4,198,961	4,198,961	3,073,926	154,752	970,283	0	0		Schedule TBD.	
22	36	75084	Mobility Corridors - Rose Bowl Access Systems	1,622,000	1,622,000	805,364	671,664	144,972	200,000	0		Construction completed in FY 2019. Signal timing and coordination will be completed in FY 2020.	

Recommended FY2020 CIP - Summary Report

Transportation

Priority New	Priority Old	Project#	Project Name	Total Estimated Cost	Appropriated thru FY19	Expenditures as of 3/6/2019	Encumbrances as of 3/6/2019	Project Balance as of 3/6/2019	FY20 Anticipated Expenditures	FY20 Proposed Appropriation	Funding Sources	FY20 Proposed Schedule	Notes
23	34	75089	Transportation System Safety Enhancements Project	1,275,000	834,040	177,330	0	656,710	650,000	125,000	Traffic Reduction Fee	In FY 2020, construction will be completed at the intersection of Lincoln Ave. at Mountain St. and Seco St. as well as Lake Ave and Orange Grove Blvd.	
24	31	75506	Gold Line Phase I - Project Enhancements	5,711,908	5,711,908	0	0	4,270,800	500,000	0		In FY 2020, Construction on the Light Rail Train Tracking and Network System will be completed; and a feasibility study and conceptual design for the potential mid-block crossing identified near the Metro Gold Line Memorial Park Station and the Metro Right-of-way Between Green Street and Holly Street will begin.	
25	33	75080	Old Pasadena Traffic Improvement - FY 2016 - 2020	150,000	120,000	16,846	0	103,154	30,000	30,000	Parking Meter Revenue - Old Pasadena	In FY 2020, on street parking will be evaluated and dynamic curb management will be studied. Additional enhancements to signing, striping, and signal operations will also continue as requests are received.	
26	32	75079	Mobility Corridor Improvements FY 2016 - 2020	421,861	371,861	215,975	2,000	153,886	150,000	50,000	Gas Tax	The project will supplement Caltrans Connected Corridor Project. Caltrans received a Metro Grant to install various ITS improvements to participating cities in the I-210 Integrated Corridor Management Project. In Pasadena, approximately \$1.5M ITS improvements will be installed along the parallel mobility corridors. In FY 2020, the Mobility corridor project will be utilized to cover City staff time in the plan checking and inspection of Caltrans improvements within Pasadena.	
27	37	75094	Implement Bus Signal Priority System on Pasadena Transit Buses	1,447,191	1,447,191	13,112	0	1,434,079	900,000	0		Design will be completed in FY 2020.	
28	38	75095	Adaptive Traffic Control Network - Phase II	2,071,766	2,071,766	0	0	2,071,766	1,400,000	0		Design will continue in FY 2020 and be completed in FY 2021.	
29	41	75078	Intelligent Transportation System (ITS) Equipment Upgrades/Replacement - FY 2016 - 2020	236,682	136,682	53,530	25,000	58,152	100,000	100,000	Gas Tax	This project will continue in FY 2020.	

Recommended FY2020 CIP - Summary Report

Transportation

Priority New	Old	Project#	Project Name	Total Estimated Cost	Appropriated thru FY19	Expenditures as of 3/6/2019	Encumbrances as of 3/6/2019	Project Balance as of 3/6/2019	FY20 Anticipated Expenditures	FY20 Proposed Appropriation	Funding Sources	FY20 Proposed Schedule	Notes
30	39	75602	Implementation of Citywide Transportation Performance Monitoring Network	3,132,428	386,928	369,684	0	17,244	150,000	150,000	Traffic Reduction Fee	Initial deployment of advanced video detection and data collection for pedestrian and bicycle counting, intersection delay analysis, and performance monitoring will be completed in FY2020.	
31	25	75098	Traffic Signal at Fair Oaks Ave. and Bellevue Dr.	774,000	75,000	25,188	0	49,812	699,000	699,000	Traffic Reduction Fee	Construction will be completed in FY 2021.	Staff applied for ATP grant to fund construction. Application was denied in the 1st round, but Metro is considering grant application in Round 2. This project will be a candidate for funding under the Measure R - SR 710 replacement projects.
32	New		Traffic Signal Safety Enhancements at the Intersections of Lake Ave. at Corson St. and Maple St.	125,000	0	0	0	0	125,000	125,000	Traffic Reduction Fee	Design will be completed in FY 2020.	
33	New		Left Turn Phasing at San Gabriel Blvd. and California Blvd.	125,000	0	0	0	0	125,000	125,000	Traffic Reduction Fee	Design will be completed in FY 2020 and construction will be completed in FY 2021.	
34	New		Left Turn Phasing at Fair Oaks Ave. and Bellefontaine St.	90,000	0	0	0	0	90,000	90,000	Traffic Reduction Fee	Design will be completed in FY 2020 and construction will be completed in FY 2021.	
35	27	75097	Traffic Signal at Orange Grove Blvd. and Craig Ave.	500,000	60,000	9,893	0	50,107	0	0		Project will continue when additional funds are identified.	Staff applied for ATP grant to fund construction. Denied during 1st round but METRO is considering grant application for round 2.
36	26	75099	Traffic Signal at Orange Grove Blvd. and Sunnyslope Ave.	481,000	65,000	12,552	0	52,448	0	0		This project will begin when funds are identified.	Staff applied for ATP grant to fund construction. Denied during 1st round but METRO is considering grant application for round 2.
37	40	75709	Traffic Signal Indication Safety Improvements - Phase II	770,000	770,000	1,881,077	0	379,955	300,000	0		This project will be completed in FY 2020.	
Transit													
38	43	75085	Purchase of Replacement Transit Vehicles and Expansion Fixed-Route Transit Vehicles	13,112,494	5,512,494	3,905,535	2,132	1,604,827	0	0		One of the remaining two outstanding vehicles will be purchased and delivered in FY 2020. The remaining vehicle will be purchased in FY 2021.	Preliminary approval of \$700,000 of Measure M - Multi-year Subregional Program funding has been received for this project. Final approval will be determined by Metro.
39	42	75086	Purchase of Dial-A-Ride Vehicles	2,152,516	1,052,516	631,716	0	420,800	0	0		Four vehicles will be purchased in FY 2019 and delivered in FY 2020.	
40	44	75707	Construction of Transit Operations Maintenance Facility	33,000,000	2,185,000	1,210,121	234,962	739,917	0	0		Project is on-hold while staff explores other potential sites for facility.	This project will receive Measure M Multi-Year Subregional Program dollars in FY 2021 and 2022.
41	45	75900	Bus Stop Improvement Program	623,500	323,500	252,319	5,800	65,381	0	0		Work will be completed on an as-needed basis.	
Grand Total:				96,044,613	37,010,310	15,110,516	2,690,551	19,259,167	8,850,000	8,745,843			

FY 2020 - 2024 Capital Improvement Program
Transportation

Lake Ave. Traffic and Pedestrian Safety Enhancements from Mountain St. to Maple Ave. – Concept Study

Priority	Project No.	Description	Total Estimated Costs	Appropriated Through FY 2019	Recommended FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024 and Beyond
NEW		Lake Ave. Traffic and Pedestrian Safety Enhancements from Mountain St. to Maple Ave. – Concept Study							
		Traffic Reduction Fee	200,000	0	200,000	0	0	0	0
		Total	200,000	0	200,000	0	0	0	0

DESCRIPTION: This project provides for a concept study, including outreach, to develop traffic and pedestrian safety, walkability, and connectivity enhancements along Lake Avenue between Mountain Street and the Metro Gold Line Lake Avenue Station.

This project is composed of two phases. Phase I will identify the affected community’s concerns, and opportunities to enhance traffic safety and walkability by all users of Lake Avenue between Mountain Street and Lake Avenue Gold Line Station. Phase II will propose long and short term measures to address the improvement opportunities identified in Phase I, and will seek the support of the affected community.

JUSTIFICATION: Lake Avenue Metro Gold Line Station is a heavily-used light rail station for Pasadena residents, workers, and visitors and should be evaluated for potential safety and connectivity enhancements. The intersections of Lake Avenue and Orange Grove Boulevard and Lake Avenue and Maple Street have been identified as high-collision intersections and should be evaluated systematically with the entire Lake Avenue corridor north of the Metro Gold Line station.

SCHEDULE: Community outreach will begin in FY 2020. Concept design will begin in FY 2021.

RELATIONSHIP TO THE GENERAL PLAN: This project is consistent with Mobility Element Program 3.10 (Enhance Signalized Intersections for all Road Users) by applying intersection design guidelines to promote safety at busy locations. Program 3.10 also calls for designing intersections to provide a safe and efficient flow of vehicles, pedestrians and bicycles.

HISTORY: This project was created and fully funded in FY 2020.

FY 2020 - 2024 Capital Improvement Program
 Transportation
 Complete Streets Project - Mountain St. at Sierra Bonita Ave. and Sinaloa Ave. - Design Phase

Priority	Project No.	Description	Total Estimated Costs	Appropriated Through FY 2019	Recommended FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024 and Beyond
NEW		Complete Streets Project - Mountain St. at Sierra Bonita Ave. and Sinaloa Ave. - Design Phase							
		Traffic Reduction Fee	200,000	0	200,000	0	0	0	0
		Total	200,000	0	200,000	0	0	0	0

DESCRIPTION: This project provides for the installation of a raised median island at Mountain Street and Sierra Bonita Avenue, and a traffic circle at Mountain Street and Sinaloa Avenue.

JUSTIFICATION: Through a Complete Streets Working Group process, Mountain Street between Hill Avenue and Allen Avenue was evaluated for potential safety enhancements. As a result of the working group process, residents approved the concept of installing a raised median on the east and west approach of Mountain Street to the Sierra Bonita Avenue intersection, and installing a traffic circle at Mountain Street and Sinaloa Avenue. These enhancements are intended to reduce speed and enhance safety.

SCHEDULE: Design will begin in FY 2020 and be completed in FY 2021.

RELATIONSHIP TO THE GENERAL PLAN: This project is consistent with Mobility Element Program 3.1 (Complete Streets) by adopting Form-Based Design Guidelines to design and construct context sensitive and safe streets. Program 3.1 also calls for implementation of the Neighborhood Traffic Management Program and related traffic calming measures to limit the volume and speed of traffic on local streets.

HISTORY: This project was created and received initial funding in FY 2020.

FY 2020 - 2024 Capital Improvement Program
Transportation

Complete Streets Project - South Orange Grove Blvd. from Green St. to Columbia St. - Pedestrian Improvement Project - Design Phase

Priority	Project No.	Description	Total Estimated Costs	Appropriated Through FY 2019	Recommended FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024 and Beyond
NEW		Complete Streets Project - South Orange Grove Blvd. from Green St. to Columbia St. - Pedestrian Improvement Project - Design Phase							
	Unfunded		350,000	0	0	0	0	0	350,000
	Total		350,000	0	0	0	0	0	350,000

DESCRIPTION: This project provides for the installation of curb extensions along the cross streets of Orange Grove Boulevard, and the elimination of the free flow westbound right turn pocket at Orange Grove Boulevard and California Boulevard.

JUSTIFICATION: Through a Complete Streets Working Group process, Orange Grove Boulevard between Columbia Street and Green Street was identified for curb extensions along cross streets of Orange Grove Boulevard that do not encroach into Orange Grove Boulevard, and the elimination of the free flow westbound right turn pocket at Orange Grove Boulevard and California Boulevard. As a result of the working group process and a town hall meeting, a consensus was reached regarding these enhancements. The enhancements are intended to shorten pedestrian crossing distance and eliminate a conflict point with the westbound free right turn movement at California Boulevard and Orange Grove Boulevard.

SCHEDULE: This project will begin when funds are identified.

RELATIONSHIP TO THE GENERAL PLAN: This project is consistent with Mobility Element Program 3.1 (Complete Streets) by adopting Form-Based Design Guidelines to design and construct context sensitive and safe streets. Program 3.1 also calls for repurposing rights-of-way to enhance connectivity for pedestrians, bicyclist and transit.

HISTORY: This project was created in FY 2020 and is currently unfunded.

FY 2020 - 2024 Capital Improvement Program
Transportation

Rosemont Ave. Pedestrian Safety Enhancements from Seco St. to Orange Grove Blvd. - Concept Study

Priority	Project No.	Description	Total Estimated Costs	Appropriated Through FY 2019	Recommended FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024 and Beyond
NEW		Rosemont Ave. Pedestrian Safety Enhancements from Seco St. to Orange Grove Blvd. - Concept Study							
	Unfunded		200,000	0	0	0	0	0	200,000
	Total		200,000	0	0	0	0	0	200,000

DESCRIPTION: This project provides for a concept study, including outreach, to develop pedestrian safety and connectivity enhancements along Rosemont Avenue between Orange Grove Boulevard and Seco Street. The results of the study would provide conceptual design for future safety enhancements that would form a second phase of the project.

JUSTIFICATION: Rosemont Avenue is the primary pedestrian connection between the Pasadena Central Business District and the Rose Bowl. This route is utilized daily by pedestrians, but is most heavily traveled when there are events at the Rose Bowl. However, Rosemont Avenue does not have a continuous sidewalk along the north side of the street, nor accessible curb ramps on the north and south sides of the street. At the intersection of Rosemont Avenue and Seco Street, four pork chop islands further reduce the accessibility of this path to the newly-constructed multi-use path in Area H of the Rose Bowl.

SCHEDULE: Project will begin when funding is identified.

RELATIONSHIP TO THE GENERAL PLAN: This project is consistent with Mobility Element Program 3.10 (Enhance Signalized Intersections for all Road Users) by applying intersection design guidelines to promote safety at busy locations. Program 3.10 also calls for designing intersections to provide a safe and efficient flow of vehicles, pedestrians, and bicycles.

HISTORY: This project was created in FY 2020 and is currently unfunded.

FY 2020 - 2024 Capital Improvement Program
Transportation

Traffic Signal Safety Enhancements at the Intersections of Lake Ave. at Corson St. and Maple St.

Priority	Project No.	Description	Total Estimated Costs	Appropriated Through FY 2019	Recommended FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024 and Beyond
NEW		Traffic Signal Safety Enhancements at the Intersections of Lake Ave. at Corson St. and Maple St.							
		Traffic Reduction Fee	125,000	0	125,000	0	0	0	0
		Total	125,000	0	125,000	0	0	0	0

DESCRIPTION: This project provides for the installation of dynamic electronic "No Right Turn" signs, new traffic signal poles, and foundations at the intersections of Lake Avenue at Corson Street and Maple Street.

JUSTIFICATION: In July 2018, the Department of Transportation conducted a safety assessment of Maple Street and Corson Street where they merge with on- and off-ramps to the I-210 freeway. The Safety Assessment Team included Caltrans, Pasadena Public Works, and Pasadena Police Department. One of the recommendations from this assessment was the modification of the traffic signals at Maple Street and Corson Street where they intersect Lake Avenue.

SCHEDULE: Design will be completed in FY 2020.

RELATIONSHIP TO THE GENERAL PLAN: This project is consistent with Mobility Element Program 3.10 (Enhance Signalized Intersections for all Road Users) by applying intersection design guidelines to promote safety at busy locations. Program 3.10 also calls for designing intersections to provide a safe and efficient flow of vehicles, pedestrians and bicycles.

HISTORY: This project was created and fully funded in FY 2020.

FY 2020 - 2024 Capital Improvement Program
 Transportation
 Left Turn Phasing at San Gabriel Blvd. and California Blvd.

Priority	Project No.	Description	Total Estimated Costs	Appropriated Through FY 2019	Recommended FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024 and Beyond
NEW		Left Turn Phasing at San Gabriel Blvd. and California Blvd.							
		Traffic Reduction Fee	125,000	0	125,000	0	0	0	0
		Total	125,000	0	125,000	0	0	0	0

DESCRIPTION: This project provides for the installation of northbound and southbound flashing yellow arrow protective permissive left turn phasing at the intersection of San Gabriel Boulevard and California Boulevard.

JUSTIFICATION: The need for northbound and southbound flashing yellow arrow protective permissive left turn phasing is based on an evaluation of vehicular volume and delay.

SCHEDULE: Design will be completed in FY 2020. Construction will be completed in FY 2021.

RELATIONSHIP TO THE GENERAL PLAN: This project is consistent with Mobility Element Program 3.10 (Enhance Signalized Intersections for all Road Users) by applying intersection design guidelines to promote safety at busy locations. Program 3.10 also calls for installing and using traffic signal equipment with technology that maximizes flexibility in allowing for customized adjustments at each intersection.

HISTORY: This project was created and fully funded in FY 2020.

FY 2020 - 2024 Capital Improvement Program
 Transportation
 Left Turn Phasing at Fair Oaks Ave. and Bellefontaine St.

Priority	Project No.	Description	Total Estimated Costs	Appropriated Through FY 2019	Recommended FY 2020	Proposed FY 2021	Proposed FY 2022	Proposed FY 2023	Proposed FY 2024 and Beyond
NEW		Left Turn Phasing at Fair Oaks Ave. and Bellefontaine St.							
		Traffic Reduction Fee	90,000	0	90,000	0	0	0	0
		Total	90,000	0	90,000	0	0	0	0

DESCRIPTION: This project provides for the installation of northbound and southbound flashing yellow arrow protective permissive left turn phasing at the intersection of Fair Oaks Avenue and Bellefontaine Street.

JUSTIFICATION: The need for northbound and southbound flashing yellow arrow protective permissive left turn phasing is based on an evaluation of vehicular volume and delay.

SCHEDULE: Design will be completed in FY 2020. Construction will be completed in FY 2021.

RELATIONSHIP TO THE GENERAL PLAN: This project is consistent with Mobility Element Program 3.10 (Enhance Signalized Intersections for all Road Users) by applying intersection design guidelines to promote safety at busy locations. Program 3.10 also calls for installation and use of traffic signal equipment with technology that maximizes flexibility in allowing for customized adjustments at each intersection.

HISTORY: This project was created and fully funded in FY 2020.

Recommended FY2020 CIP - Summary Report (Future Projects)

Streets and Streetscapes

Priority New	Project# Old	Project Name	Total Estimated Cost	Appropriated thru FY19	Expenditures as of 3/6/2019	Encumbrances as of 3/6/2019	Project Balance as of 3/6/2019	FY20 Anticipated Expenditures	FY20 Proposed Appropriation	Funding Sources	FY20 Proposed Schedule	Notes
1	8	Intersection Improvements at Colorado Blvd and Garfield Ave	257,850	0	0	0	0	0	0		This project will begin when funds are identified.	
2	9	Pedestrian Safety Enhancements on Oak Knoll Ave	300,000	0	0	0	0	0	0		This project will begin when funds are identified.	
3	10	Improvement of Green Street - Orange Grove Blvd. to Hill Avenue	3,620,882	0	0	0	0	0	0		This project will begin when funds are identified.	
4	11	Safe Routes to School - Sidewalk Repairs	1,000,000	0	0	0	0	0	0		This project will begin when funds are identified.	
5	12	Fair Oaks/Orange Grove Specific Plan - Transportation Issues - Future Unfunded	3,500,000	0	0	0	0	0	0		This project will begin when funds are identified.	
6	13	East Colorado Boulevard Specific Plan - Future Unfunded	4,000,000	0	0	0	0	0	0		This project will begin when funds are identified.	
7	14	North Lake Specific Plan - Future Unfunded	4,000,000	0	0	0	0	0	0		This project will begin when funds are identified.	
8	15	East Pasadena Specific Plan - Phase II	5,000,000	0	0	0	0	0	0		This project will begin when funds are identified.	
9	16	South Fair Oaks Specific Plan - Future Unfunded	3,500,000	0	0	0	0	0	0		This project will begin when funds are identified.	
10	17	Civic Center/Mid-Town Public Improvements and Related Components - Phase II	8,500,000	0	0	0	0	0	0		This project will begin when funds are identified.	
11	18	New York Drive Bridges - Preventive Maintenance	2,181,000	0	0	0	0	0	0		This project will begin when funds are identified.	
12	* 19	Route 210 Freeway Soundwalls	38,610,000	0	0	0	0	0	0		This project will begin when funds are identified.	
13	20	San Rafael Bridge - Seismic Retrofit	5,966,000	0	0	0	0	0	0		This project will begin when funds are identified.	
14	21	Arroyo Boulevard Bridge - Seismic Retrofit	1,461,000	0	0	0	0	0	0		This project will begin when funds are identified.	
15	22	Pasadena Avenue and St. John Avenue Street Improvements	3,120,000	0	0	0	0	0	0		This project will begin when funds are identified.	

Recommended FY2020 CIP - Summary Report (Future Projects)

Streets and Streetscapes

Priority New	Priority Old	Project#	Project Name	Total Estimated Cost	Appropriated thru FY19	Expenditures as of 3/6/2019	Encumbrances as of 3/6/2019	Project Balance as of 3/6/2019	FY20 Anticipated Expenditures	FY20 Proposed Appropriation	Funding Sources	FY20 Proposed Schedule	Notes
16	23		Sierra Madre Boulevard Slope	247,000	0	0	0	0	0	0		This project will begin when funds are identified.	
Grand Total:				47,063,732	0	0	0	0	0	0			

* A portion of project cost is not included in the total estimated costs. See Special Considerations on project page.

Recommended FY2020 CIP - Summary Report (Future Projects)

Transportation

Priority	Project#	Project Name	Total Estimated Cost	Appropriated thru FY19	Expenditures as of 3/6/2019	Encumbrances as of 3/6/2019	Project Balance as of 3/6/2019	FY20 Anticipated Expenditures	FY20 Proposed Appropriation	Funding Sources	FY20 Proposed Schedule	Notes
New	Old											
1	46	Traffic Signal and Pedestrian Improvements on Kinneloa Ave. at Del Mar Blvd.	770,000	0	0	0	0	0	0		This project will begin when funding is identified.	
2	47	Traffic Signal at Electronic Dr. and Sierra Madre Villa Blvd.	860,000	0	0	0	0	0	0		This project will begin when funds are identified.	
3	49	Mountain Street Curb Extension	297,000	0	0	0	0	0	0		This project will begin when funds are identified.	
4	52	Signal Preemption Equipment at Traffic Signals Citywide - Phase II	1,600,000	0	0	0	0	0	0		This project will begin when funds are identified.	
42	21	Complete Streets Project - Sunnyslope Ave. at Estado St. - Construction Phase	425,000	0	0	0	0	0	0		Construction will begin when funding is identified.	
Grand Total:			3,952,000	0	0	0	0	0	0			

FY 2020 - 2024 Capital Improvement Program
Completed Projects

Project#	Project Name
Streets and Streetscapes	
73325	Annual Citywide Street Resurfacing and ADA Improvement Program FY 2019
73928	Miscellaneous Concrete Improvement Program
73920	Resurfacing and Slurry Seal FY 2017 - 2019
73921	Curb and Gutter Improvements Citywide FY 2017 - 2018
73924	Alley Improvements Citywide FY 2018 - 2019
Transportation	
75092	Enhancements to Metro Gold Line Allen Station - Concept Study
75074	Complete Streets Project - Lida St. between Knollwood Dr. and Lancashire Pl.
0	Traffic Signal at Green St. and Holliston Ave.