

**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Streetlight Fund

Carryover Project #: 20101E

Original Funding Year: 2019-20

General Plan Element Goals: I-1, I-2

Project Title: Annual Streetlight Replacement (Streetlight Fund)

Description: Replace the City-owned streetlights as needed citywide.

Justification: The City purchased the streetlights from Southern California Edison, and the replacement of the lights will now be included as part of the City's infrastructure capital plan.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Streetlight Fund	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 210,000
	TOTAL	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 210,000

Location Map:

No map; Citywide

**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Street & Highways

Carryover Project #: 16108E

Original Funding Year: 2015-16

General Plan Element Goals: I-1, I-6

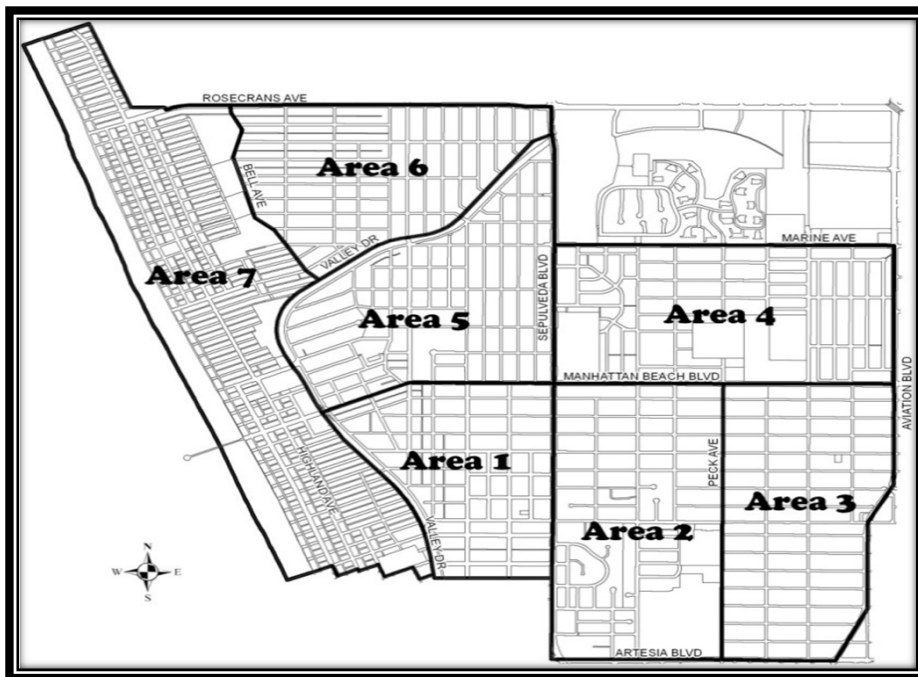
Project Title: Annual Curb, Gutter and Ramp Replacement Project

Description: This annual program is designed to perform concrete improvements in advance of slurry sealing. A different area is addressed each year, so that the entire City is improved within a seven year cycle. Curb ramps are also installed as needed to comply with the Americans with Disabilities Act.

Justification: Tree roots and soil settlement cause displacement of curbs gutters and sidewalk. This project will eliminate displacements and gutter ponding.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Streets & Highway	\$ 289,158	\$ 365,000	\$ 365,000	\$ 365,000	\$ 365,000	\$ 365,000	\$ 2,114,158
	TOTAL	\$ 289,158	\$ 365,000	\$ 365,000	\$ 365,000	\$ 365,000	\$ 365,000	\$ 2,114,158

Location Map:



City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Street & Highways

Carryover Project #: 19104E

Original Funding Year: 2018-19

General Plan Element Goals: LU-3, LU-4, I-1, I-6, HE-3, CR-1 & CS-1

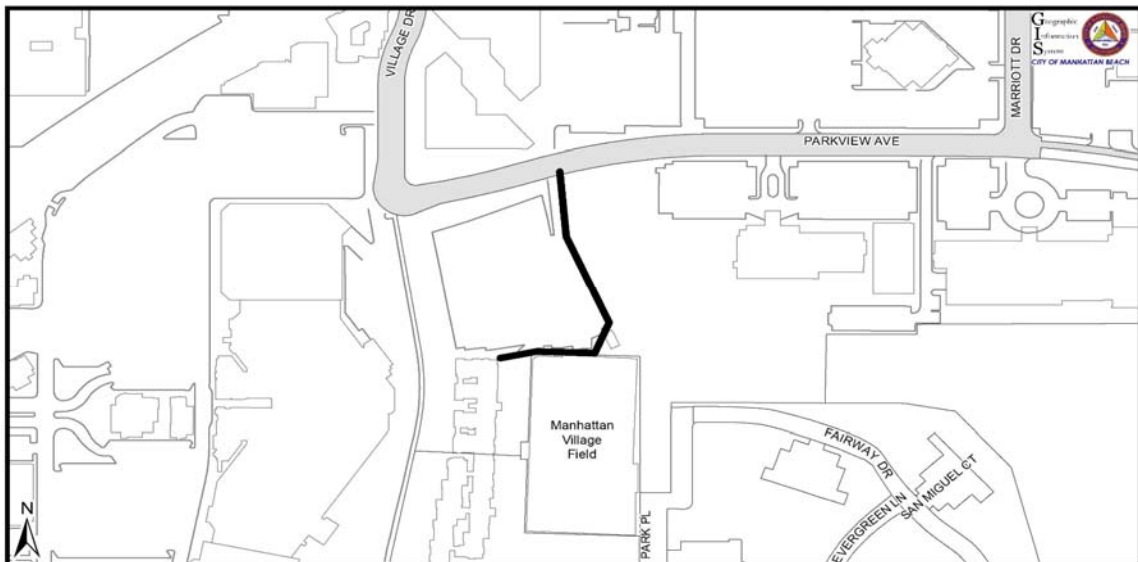
Project Title: Village Field ADA Access: Design (w/CIP Funding)

Description: Installing ADA pathway to connect pedestrian walkways on Parkview Avenue to the Manhattan Beach Village Field and Senior Villas.

Justification: The existing driveway to the Manhattan Beach Village Field, Senior Villas and City Public Park currently lacks an ADA accessible pedestrian pathway connecting to the public street sidewalk on Parkview Ave. This project will construct an ADA compliant pathway connecting the Village Field, Senior Villas and the City Public Park to the public sidewalk located on Parkview Ave.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Streets & Highway	\$ 58,165			\$ -	\$ -	\$ -	\$ 58,165
	TOTAL	\$ 58,165	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 58,165

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Street & Highways

Carryover Project #: 16102E

Original Funding Year: 2015-16

General Plan Element Goals: I-1

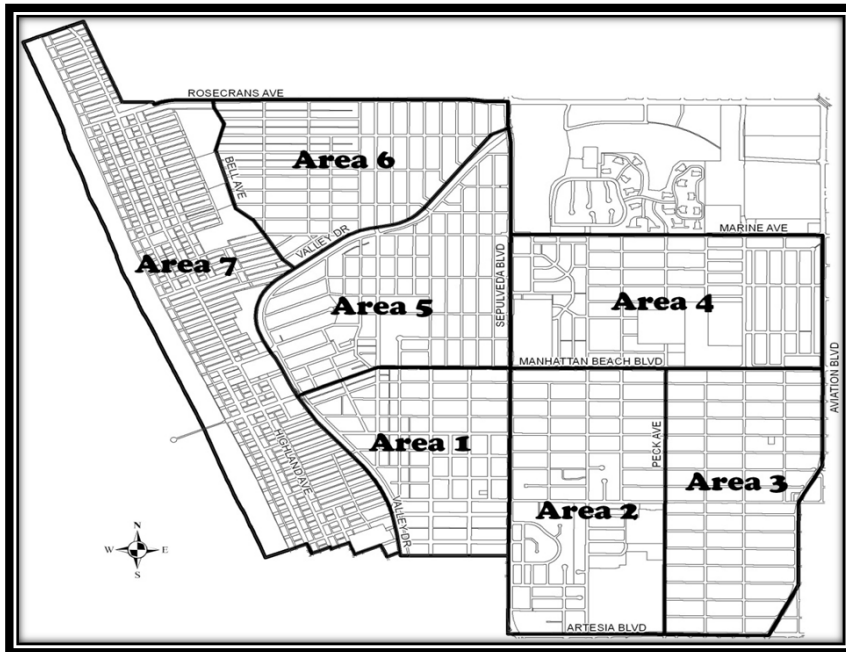
Project Title: Biennial Slurry Seal Program

Description: Biennial program to slurry seal City's streets.

Justification: The slurry seal process works to protect and prolong the life of City streets. This cost is dependent upon oil prices and is adjusted based upon current cost data. The program reflects a continuation of the City's policy to slurry seal streets on a seven year cycle.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Gas Tax	\$ -	\$ -	\$ 970,000	\$ -	\$ 770,000	\$ -	\$ 1,740,000
	TOTAL	\$ -	\$ -	\$ 970,000	\$ -	\$ 770,000	\$ -	\$ 1,740,000

Location Map:



City of Manhattan Beach Capital Improvement Plan FY2021-2025 Summary Sheets

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Multiple Funds Sts Hwys Fund (w/Prop C, Msr R & Msr M)

Carryover Project #: 19102E

Original Funding Year: 2018-19

General Plan Element Goals: I-1

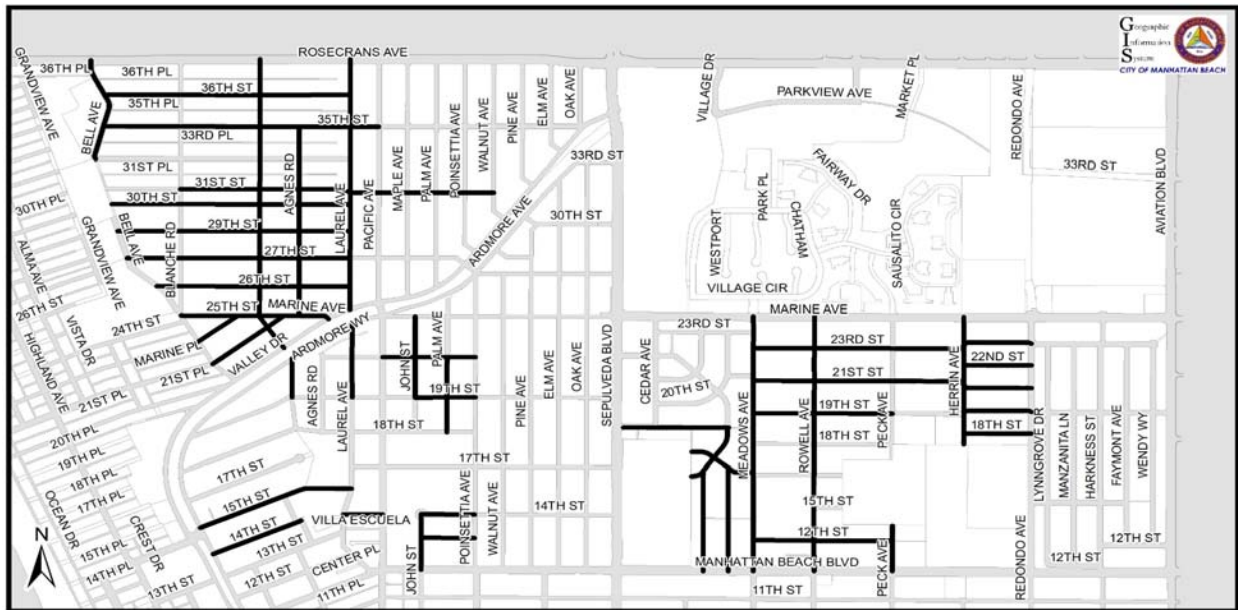
Project Title: Annual Street Resurfacing Program

Description: The project will mill and overlay the pavement surface and replace displaced curbs, gutters, and sidewalk. Locations are determined through the Triennial Pavement Management (TPM) System update, which is performed every three years. The TPM is an inspection of pavement surfaces to assess condition, prioritize rehabilitation and determine resources required to maintain street pavements in good condition.

Justification: Although this title may be new to the CIP, the work is not. Rather than assign individual project numbers to each resurfacing location, this project number will represent all future resurfacing projects.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Streets & Hwy Fund	\$ 298,390	\$ 350,000	\$ 650,000	\$ 350,000	\$ 650,000	\$ 350,000	\$ 2,648,390
	TOTAL	\$ 298,390	\$ 350,000	\$ 650,000	\$ 350,000	\$ 650,000	\$ 350,000	\$ 2,648,390

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Street & Highways

Carryover Project #: 16101E

Original Funding Year: 2015-16

General Plan Element Goals: I-1, I-2, I-2.3, I-6

Project Title: Street Resurfacing Project: Rosecrans Avenue (Village Drive to Aviation Boulevard)

Description: The project will mill and overlay the pavement surface, replace displaced curbs, gutters and sidewalk to extend the pavement useful life on Rosecrans Avenue from Village Drive to Aviation Boulevard.

Justification: The existing pavement on Marine Avenue within the project limits is deteriorated and rehabilitation is required.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Streets & Highway	\$ 330,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 330,000
	TOTAL	\$ 330,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 330,000

Location Map:

No map

**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Street & Highways

Carryover Project #: 17101E

Original Funding Year: 2016-17

General Plan Element Goals: I-1

Project Title: Triennial Pavement Management System Update

Description: Inspection of Pavement surfaces to assess condition, prioritize rehabilitation and determine resources required to maintain street pavements in good condition.

Justification: State, federal, and county regulations require that Cities maintain a pavement management system. A pavement management system is a management tool to assist in the development of efficient pavement maintenance and rehabilitation programs. The City is required to inspect pavement condition on a triennial basis. The most recent is currently in the Design Services phase at the time of the CIP plan adoption. The evaluations will update pavement condition for all streets in the City except Sepulveda Boulevard which is a State Highway.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Streets & Hwy Fund	\$ -	\$ 40,000	\$ -	\$ -	\$ 40,000	\$ -	\$ 80,000
	TOTAL	\$ -	\$ 40,000	\$ -	\$ -	\$ 40,000	\$ -	\$ 80,000

Location

Map:

No map, system update

**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Multiple Funds Streets & Hwy and SBHP

Carryover Project #: 16104E

Original Funding Year: 2015-16

General Plan Element Goals: I-1

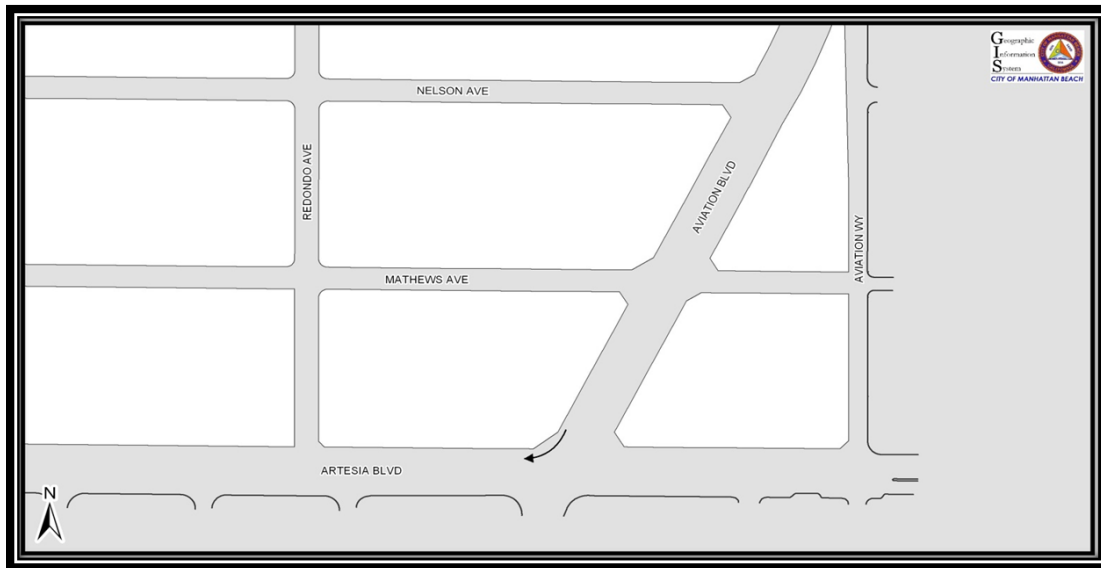
Project Title: Aviation Boulevard at Artesia Boulevard Southbound to Westbound Right-Turn Lane (SBHP Grant)

Description: Utility relocation, street widening and restriping of the northwest corner of the intersection of Aviation Boulevard at Artesia Boulevard to provide Southbound to westbound right-turn lanes. This project will be coordinated with City of Redondo Beach widening efforts on the southeast corner of this intersection.

Justification: The southbound to westbound right-turn movement at Aviation Boulevard at Artesia Boulevard is congested due the lack of lane capacity.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Streets & Hwy Fund (and SBHP Grant)	\$ 1,299,789	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,299,789
	TOTAL	\$ 1,299,789	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,299,789

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Multiple Funds Streets & Hwy Fund and HSIP

Carryover Project #: 14821E

Original Funding Year: 2013-14

General Plan Element Goals: I-1, I-2

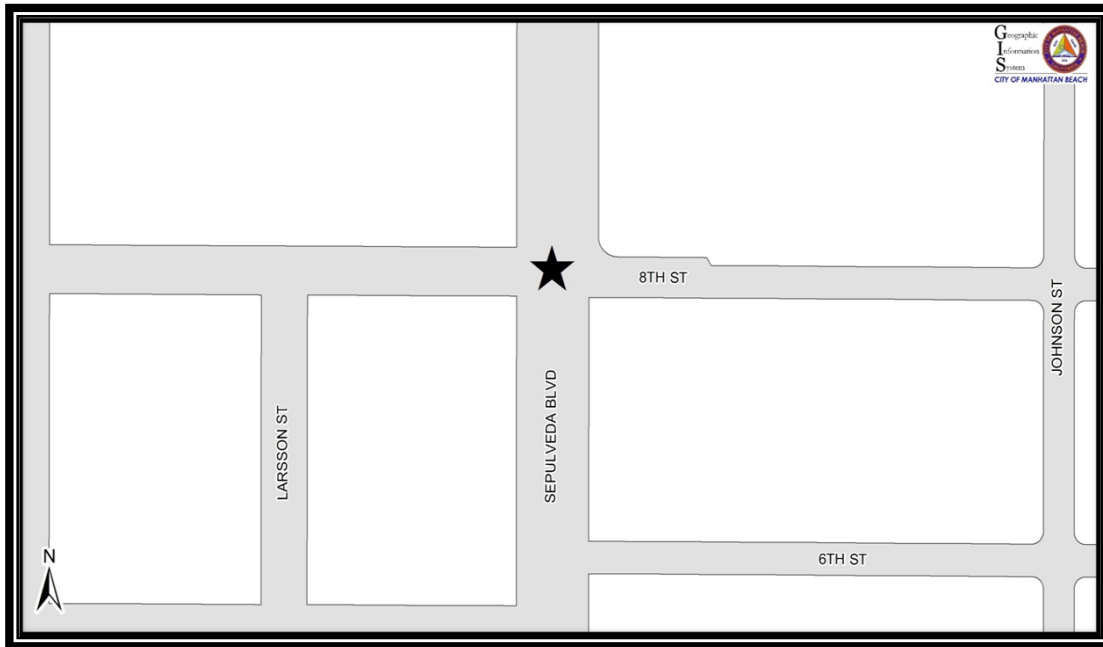
Project Title: Sepulveda Boulevard & 8th Street Intersection Improvements, Northbound and Southbound from Sepulveda to 8th (Highway Safety Improvement Program – HSIP)

Description: Upgrade traffic signals, install protected left-turn phasing and construct curb ramps to comply with current ADA standards.

Justification: This project aims to improve driver decisions about rights of way and turning based on a spot location safety analysis and a road safety assessment. This project is further justified in light of ongoing accident history at this location with respect to turning vehicles. Total project cost is \$248,800 which includes \$223,800 in Federal Funds and a 10% Local match contribution of \$25,000.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Streets & Hwy Fund (HSIP Grant)	\$ 207,858	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 207,858
	TOTAL	\$ 207,858	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 207,858

Location Map:



City of Manhattan Beach Capital Improvement Plan FY2021-2025 Summary Sheets

Category:

- ☒ Carryover Project (Received previous appropriation)
- ☐ New Project (Funding identified, not yet appropriated)
- ☐ Unfunded Project (Funding not available at this time)

Funding Source: Multiple Funds Prop C (w/ Sts Hwys, Msr R & Msr M)
Carryover Project #: 19102E
Original Funding Year: 2018-19
General Plan Element Goals: I-1, I-2, I-2.3, I-6

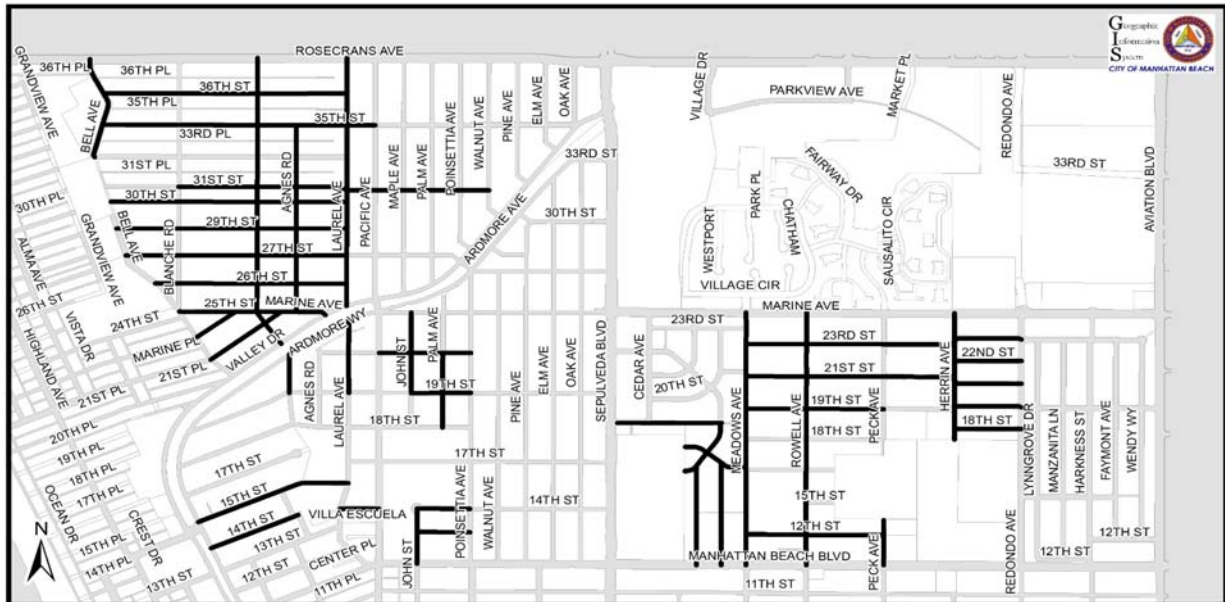
Project Title: Annual Street Resurfacing Program

Description: The project will mill and overlay the pavement surface and replace displaced curbs, gutters, and sidewalk. Locations are determined through the Triennial Pavement Management (TPM) System update, which is performed every three years. The TPM is an inspection of pavement surfaces to assess condition, prioritize rehabilitation and determine resources required to maintain street pavements in good condition.

Justification: Although this title may be new to the CIP, the work is not. Rather than assign individual project numbers to each resurfacing location, this project number will represent all future resurfacing projects.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Prop C	\$ 732,790	\$ 800,000	\$ -	\$ 1,200,000	\$ -	\$ 1,200,000	\$ 3,932,790
	TOTAL	\$ 732,790	\$ 800,000	\$ -	\$ 1,200,000	\$ -	\$ 1,200,000	\$ 3,932,790

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Proposition C Local Return SBHP Grant

Carryover Project #: 09823E

Original Funding Year: 2008-09

General Plan Element Goals: I-1, I-2, I-2.3

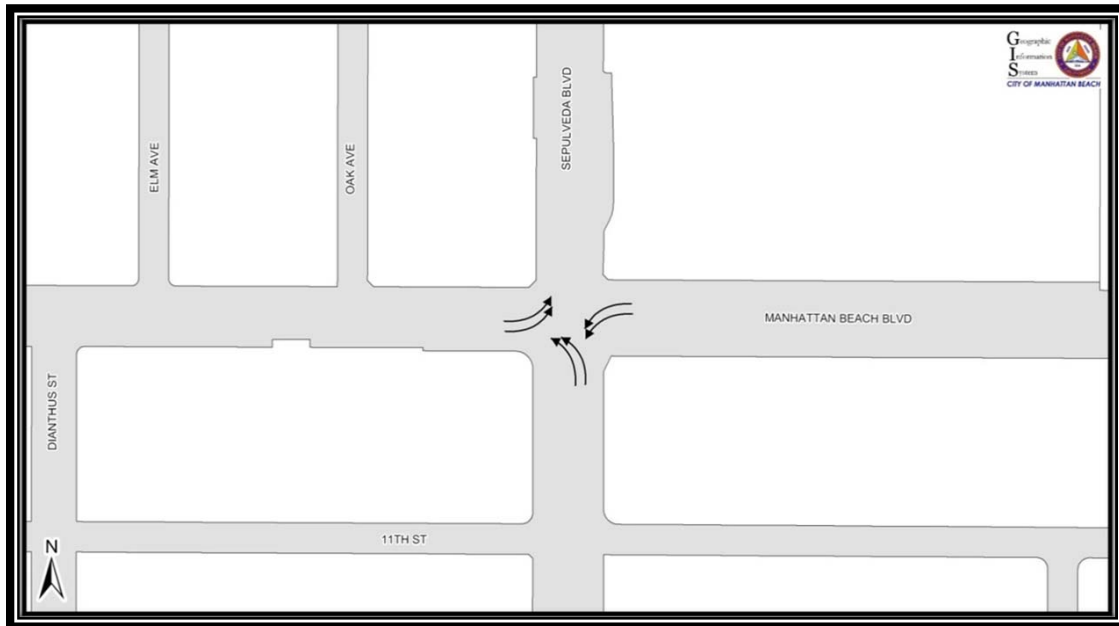
Project Title: Dual Left-Turn Lanes on Manhattan Beach Boulevard at Sepulveda Boulevard, EB to NB, NB to WB, WB to SB (SBHP Grant)

Description: Widening and restriping of the intersection of Sepulveda Boulevard at Manhattan Beach Boulevard to provide Westbound to Southbound, Eastbound to Northbound and Northbound to Westbound Left-Turn Lanes.

Justification: Left-turn movements at Sepulveda Boulevard at Manhattan Beach Boulevard are congested due the lack of lane capacity.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Proposition C (SBHP Grant)	\$ 1,204,980	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,204,980
	TOTAL	\$ 1,204,980	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,204,980

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Proposition C Local, Prop C, MTA Call, SBHP

Carryover Project #: 10827E (Prop C Local)

13840E (MTA Call) & 13841E (Msr R SBHP)

General Plan Element Goals: LU-8, I-1, I-2

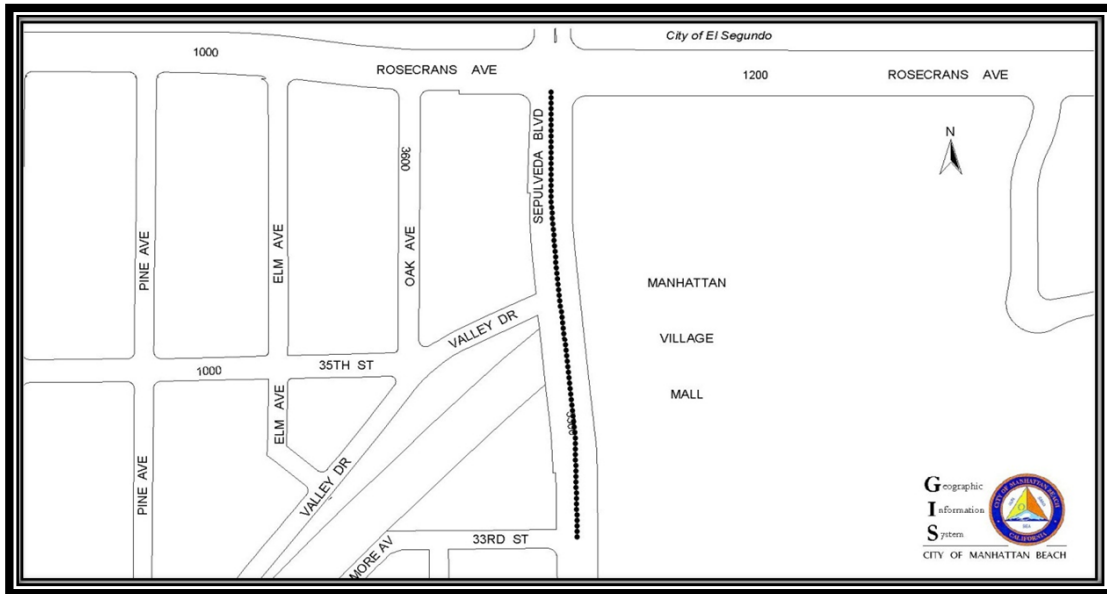
Project Title: Sepulveda Bridge Widening Project

Description: Add one northbound through lane by widening Sepulveda Bridge on the east side.

Justification: This project will improve traffic flow on Sepulveda Boulevard (a major north-south regional arterial street) by eliminating a bottleneck that exists at the bridge.

Project Cost Information:	Funding Source(s):	Remaining funds as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
Proposition C (SBHP Grant)	\$	7,871,422	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,871,422
Proposition C (MTA Call Grant)	\$	6,399,876	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,399,876
Proposition C (Prop C Local)	\$	3,557,911	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,557,911
TOTAL	\$	17,829,209	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,829,209

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Grant Funded SBHP

Carryover Project #: 17102E

Original Funding Year: 2016-17

General Plan Element Goals: I-1, I-2, I-2.3

Project Title: Sepulveda Intersection Improvements: Cedar Ave. & Marine Ave. (SBHP Grant)

Description: Modify lane configuration to increase capacity at the intersection of Cedar Ave. and Marine Ave. (east of Sepulveda Blvd.).

Justification: In July 2009, the Southern California Association of Governments (SCAG) and the SBCCOG commissioned a study on "User-Based Microanalysis of State Route 1, Pacific Coast Highway" (2009 PCH Study). In the 2009 PCH Study, 125 intersections were studied from Imperial Highway in the City of El Segundo to Crenshaw Boulevard in the City of Torrance. Given the high number of intersections, the study was intended to provide high-level analysis and preliminary recommendations. From the 125 intersections, 30 are located within the City of Manhattan Beach. The 2009 PCH Study recommended intersection improvements along 8 of the 30 intersections and recommended median improvements from 11th Street to the Southerly City Limit to help alleviate traffic congestions at the intersections. In May 2014, the City was awarded funding from the SBHP to prepare a feasibility study to further evaluate the intersections within the City of Manhattan Beach. On August 12, 2014, JMD was awarded a contract in the amount of \$49,950 to prepare the feasibility study. This study recommended improvements to five intersections that were studied. The study concluded that by adding capacity at the left-hand turn pockets and modifying lane configurations at these five intersections, congestion would be relieved through the Sepulveda Corridor. The benefit would also reduce cut-through traffic on local streets and reduce delays. In 2019, Caltrans agreed to carry out most of the improvements located directly on Sepulveda Blvd.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Proposition C (SBHP Grant)	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000
	TOTAL	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000

Location

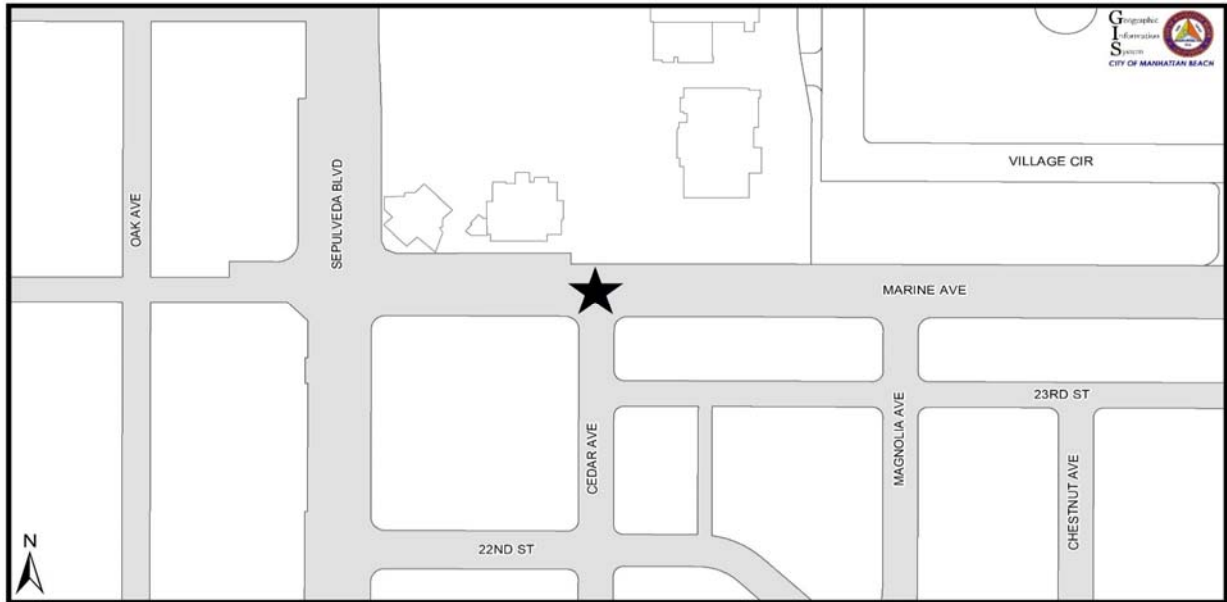
Map:

Map located on next page

**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Project Title: Sepulveda Intersection Improvements: Cedar Ave. & Marine Ave. (SBHP Grant)

**Location
Map:**



City of Manhattan Beach **Capital Improvement Plan FY2021-2025** **Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
- ☐ New Project (Funding identified, not yet appropriated)
- ☐ Unfunded Project (Funding not available at this time)

Funding Source: Multiple Funds Measure R (w/ Sts Hwys, Prop C & Msr M)
Carryover Project #: 19102E
Original Funding Year: 2018-19
General Plan Element Goals: I-1, I-2, I-2.3, I-6

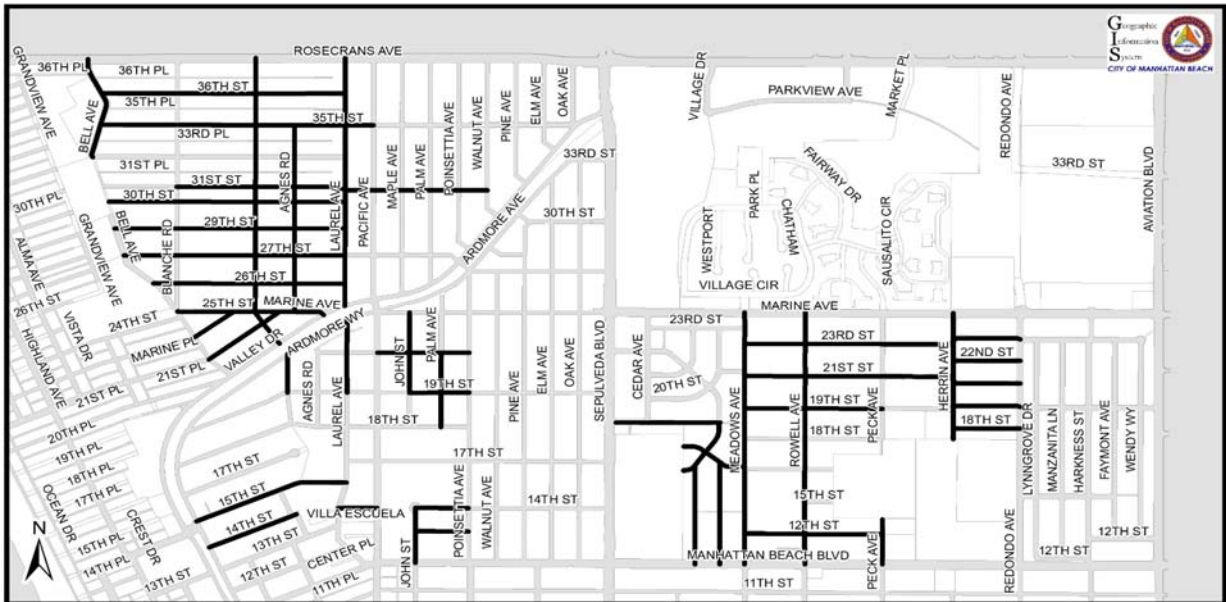
Project Title: Annual Street Resurfacing Program

Description: The project will mill and overlay the pavement surface and replace displaced curbs, gutters, and sidewalk. Locations are determined through the Triennial Pavement Management (TPM) System update, which is performed every three years. The TPM is an inspection of pavement surfaces to assess condition, prioritize rehabilitation and determine resources required to maintain street pavements in good condition.

Justification: Although this title may be new to the CIP, the work is not. Rather than assign individual project numbers to each resurfacing location, this project number will represent all future resurfacing projects,

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Measure R		\$ 400,000	\$ -	\$ 800,000	\$ -	\$ 800,000	\$ 2,000,000
	TOTAL	\$ -	\$ 400,000	\$ -	\$ 800,000	\$ -	\$ 800,000	\$ 2,000,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Measure R Local Return

Carryover Project #: 17104E

Original Funding Year: 2016-17

General Plan Element Goals: I-1, I-2

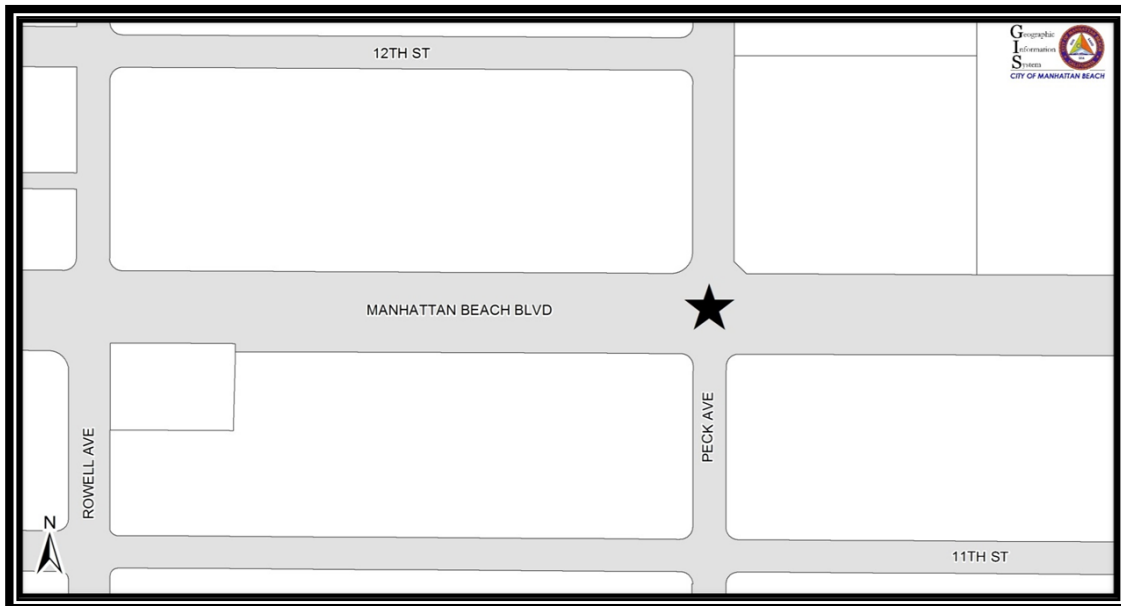
Project Title: Protected Left-Turns: Manhattan Beach Blvd. at Peck Ave.

Description: Design and construct protected left turns in the eastbound and westbound directions at the intersection of Manhattan Beach Boulevard and Peck Avenue.

Justification: Sight distance restriction in left turn lane has been confirmed by the City Traffic Engineer pursuant to a resident request. A hill west of the intersection restricts the view of approaching traffic from the turn pocket. Protected left turn arrows would improve traffic safety by addressing the sight distance restriction and eliminating pedestrian conflicts with left turning traffic. The intersection is in close proximity to and on designated school routes to Meadows Elementary School and Manhattan Beach Middle School.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Measure R	\$ 285,000	\$ 260,000	\$ -	\$ -	\$ -	\$ -	\$ 545,000
	Local Return							
	TOTAL	\$ 285,000	\$ 260,000	\$ -	\$ -	\$ -	\$ -	\$ 545,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Measure R Local Return

Carryover Project #: 19106E

Original Funding Year: 2018-19

General Plan Element Goals: I-6

Project Title: Ocean Drive Walkstreet Crossing

Description: Construct raised or decorative crosswalks on Ocean Drive at walkstreets (25 locations).

Justification: The project will design and construct 25 raised and/or decorative crosswalks on Ocean Drive at walkstreet crossings. The enhanced crossings will improve pedestrian safety and calm traffic along Ocean Drive. These improvements will also encourage beach access and enhance the view along the walkstreets. Enhanced crossing treatments have been recommended in the City's Mobility Plan, and have been requested by numerous residents.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Measure R	\$ -	\$ -		\$ 450,000	\$ -	\$ -	\$ 450,000
	Local Return							
	TOTAL	\$ -	\$ -	\$ -	\$ 450,000	\$ -	\$ -	\$ 450,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Measure R Local Return

Carryover Project #: 13829E

Original Funding Year: 2012-13

General Plan Element Goals: I-6

Project Title: Rosecrans Bike Lane Improvements (relocated from CIP Fund)

Description: Installation of a bike lane on Rosecrans Ave.

Justification: This project would provide an annual account from which pedestrian and bicycle enhancements could be funded. Improvements such as high visibility pedestrian crossings, bike lanes, pedestrian and bicycle related traffic calming measures and other bicycle and pedestrian amenities would be funded through this project. Specific projects to be pursued include ones identified in the South Bay Bicycle Master Plan.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Measure R	\$ 240,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 240,000
	Local Return							
	TOTAL	\$ 240,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 240,000

Location Map:

No map

**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Measure R Local Return

Carryover Project #: 20102E

Original Funding Year: 2019-20

General Plan Element Goals: I-6

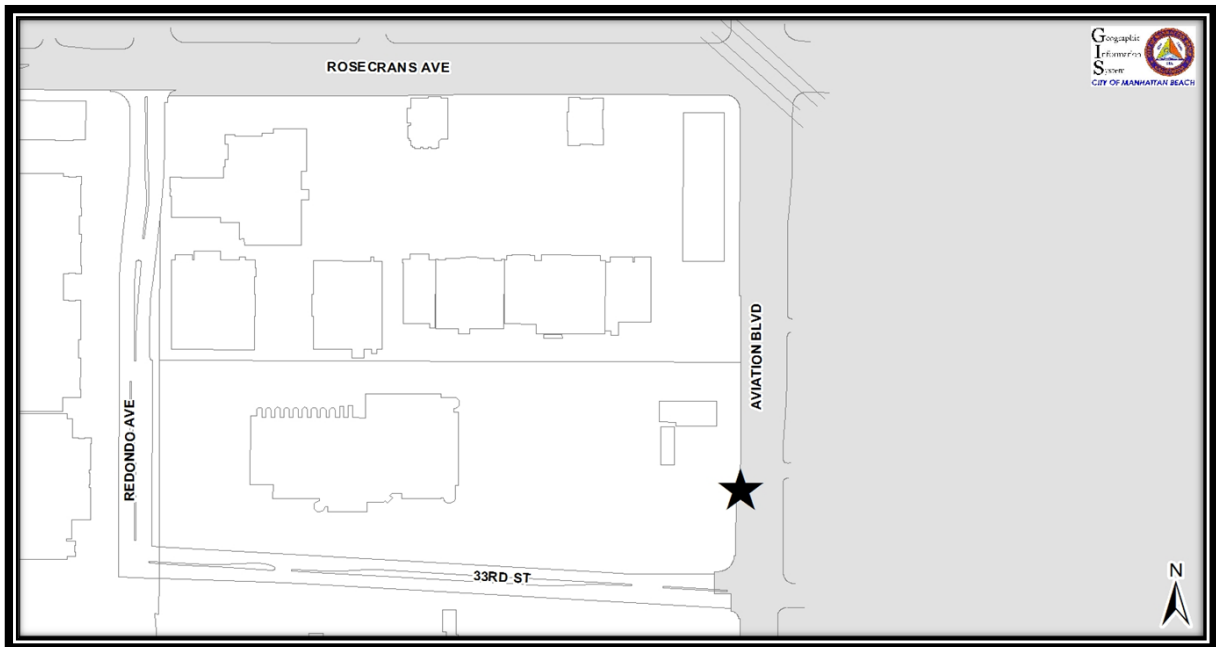
Project Title: Aviation (West-side) and 33rd Street Sidewalk (partial grant 5310)

Description: Install missing link of sidewalk on Aviation near 33rd St. This work includes removal and replacement of significant irrigation/landscaping, regrading and various improvements to protect existing sign and wall footings.

Justification: This is a busy wide arterial roadway. The proposed sidewalk provides an important quality of life amenity for people to connect the employment centers to other commercial, entertainment and eatery establishments in the area.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Measure R	\$ 100,000	\$ 600,000	\$ -		\$ -	\$ -	\$ 700,000
	Local Return							
	TOTAL	\$ 100,000	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ 700,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Measure M Local Return

Carryover Project #: 20104E

Original Funding Year: 2019-20

General Plan Element Goals: I-1, I-6

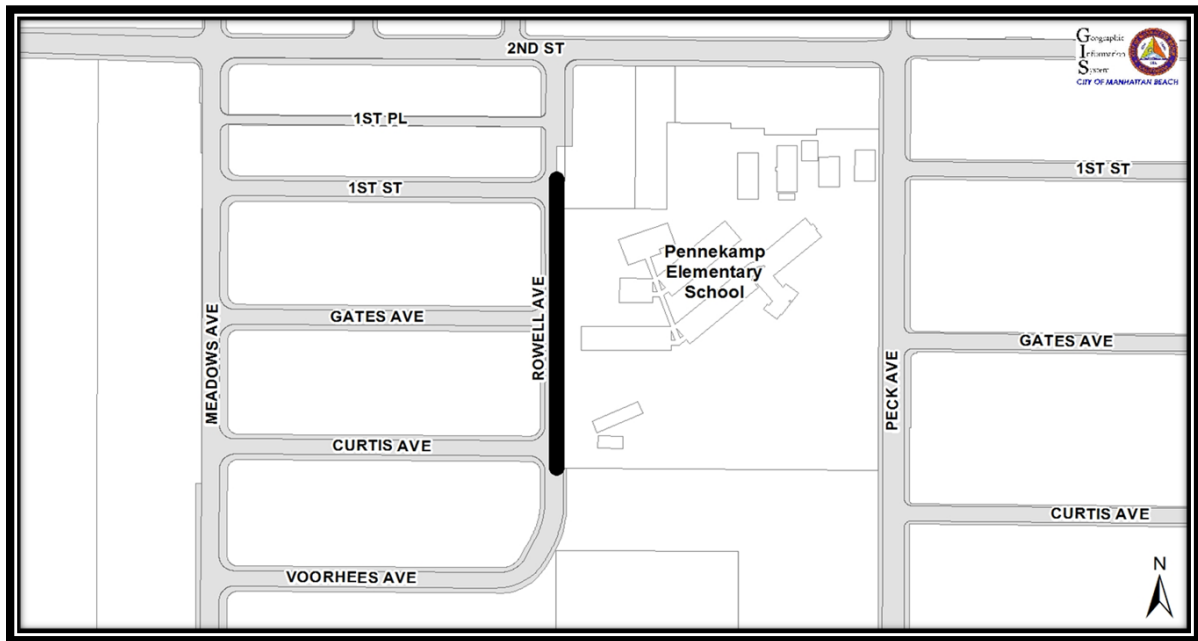
Project Title: Rowell Avenue Sidewalk Connection (Curtis & 1st St.)

Description: Installation of a missing sidewalk in front of Pennekamp Elementary; requires substantial construction work for ADA compliance including drainage/storm drain improvements.

Justification: This is a specific request from the School District to enhance the safety of the kids/parents that walk to the school. This project is a good candidate for grant application to obtain supplemental funding.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Measure M	\$ 200,000	\$ 640,000	\$ -		\$ -	\$ -	\$ 840,000
	Local Return							
	TOTAL	\$ 200,000	\$ 640,000	\$ -	\$ -	\$ -	\$ -	\$ 840,000

Location Map:



City of Manhattan Beach Capital Improvement Plan FY2021-2025 Summary Sheets

Category:

- ☒ Carryover Project (Received previous appropriation)
- ☐ New Project (Funding identified, not yet appropriated)
- ☐ Unfunded Project (Funding not available at this time)

Funding Source: Multiple Funds Measure M (w/ Sts Hwys, Prop C & Msr R)
Carryover Project #: 19102E
Original Funding Year: 2018-19
General Plan Element Goals: I-1, I-2, I-2.3, I-6

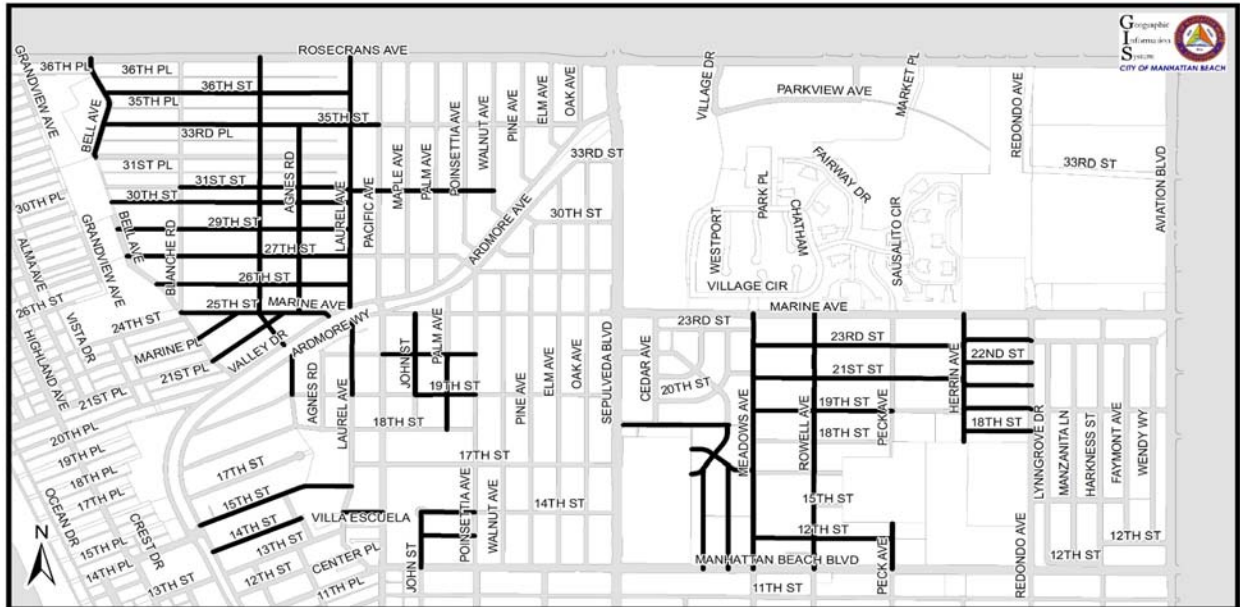
Project Title: Annual Street Resurfacing Program

Description: The project will mill and overlay the pavement surface and replace displaced curbs, gutters, and sidewalk. Locations are determined through the Triennial Pavement Management (TPM) System update, which is performed every three years. The TPM is an inspection of pavement surfaces to assess condition, prioritize rehabilitation and determine resources required to maintain street pavements in good condition.

Justification: Although this title may be new to the CIP, the work is not. Rather than assign individual project numbers to each resurfacing location, this project number will represent all future resurfacing projects beginning FY18-19.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Measure M	\$ -	\$ -	\$ 600,000	\$ -	\$ 800,000	\$ -	\$ 1,400,000
	TOTAL	\$ -	\$ -	\$ 600,000	\$ -	\$ 800,000	\$ -	\$ 1,400,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Measure M Local Return

Carryover Project #: 20105E

Original Funding Year: 2019-20

General Plan Element Goals: I-1, I-2

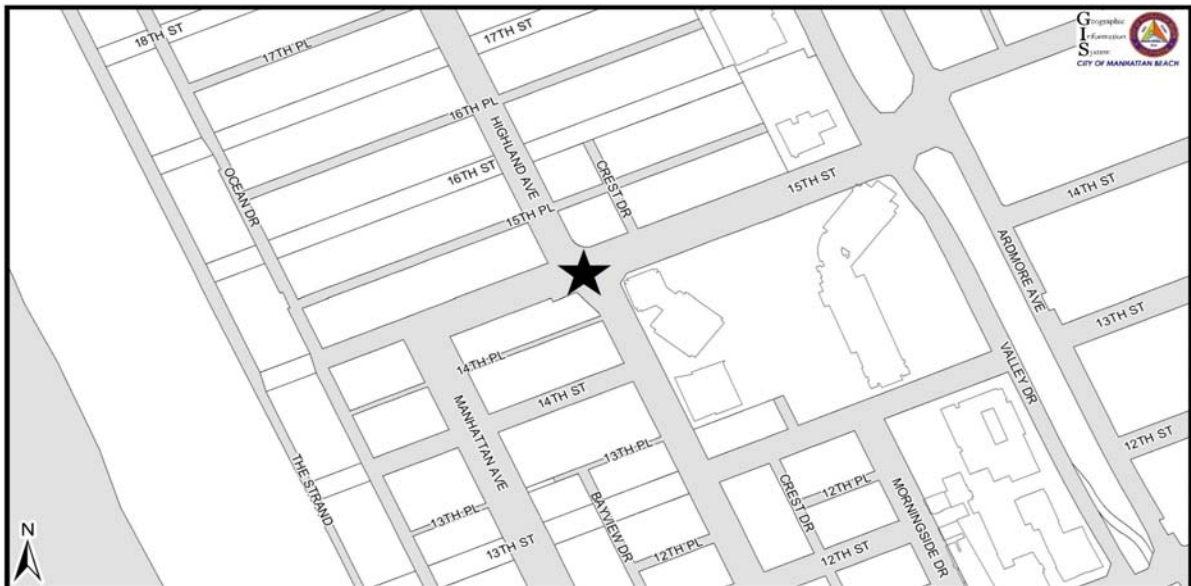
Project Title: Traffic Signal Pole: 15th St. and Highland Ave.

Description: Replacement of existing traffic signal pole at 15th St. and Highland Ave.

Justification: Traffic pole replacements are scheduled as routine infrastructure projects as the poles exceed their useful life.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Measure M	\$ 280,000	\$ -			\$ -	\$ -	\$ 280,000
	Local Return							
	TOTAL	\$ 280,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 280,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #: 15828E

Original Funding Year: 2014-15

General Plan Element Goals: LU-3, LU-3.1, CS-1

Project Title: Facility Improvements

Description: Repair and refurbish building structures citywide based on the results of the Facilities Condition Assessment and Council direction.

Justification: This project reflects funding for deficiencies identified as part of the City Facilities Condition Assessment. The funding is assigned in increments spanning multiple years. Work includes, but is not limited to, repainting the exterior of the buildings, replacing flooring, replacing sealants at the perimeter of the windows, bathroom repairs and repairing asphalt outside of the buildings.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ 161,853	\$ 600,000	\$ 400,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 2,961,853
	TOTAL	\$ 161,853	\$ 600,000	\$ 400,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 2,961,853

Location

Map:

No map; various facilities Citywide

**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #:

Original Funding Year:

General Plan Element Goals: LU-3, LU-3.1, CS-1

Project Title: Citywide Security Cameras

Description: Install security cameras at various locations citywide.

Justification: Installing security cameras is a measure to increase the safety and security of the community.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ 430,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 430,000
	TOTAL	\$ 430,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 430,000

Location

Map:

No map; various locations Citywide

**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #:

Original Funding Year:

General Plan Element Goals: LU-3, LU-3.1, CS-1

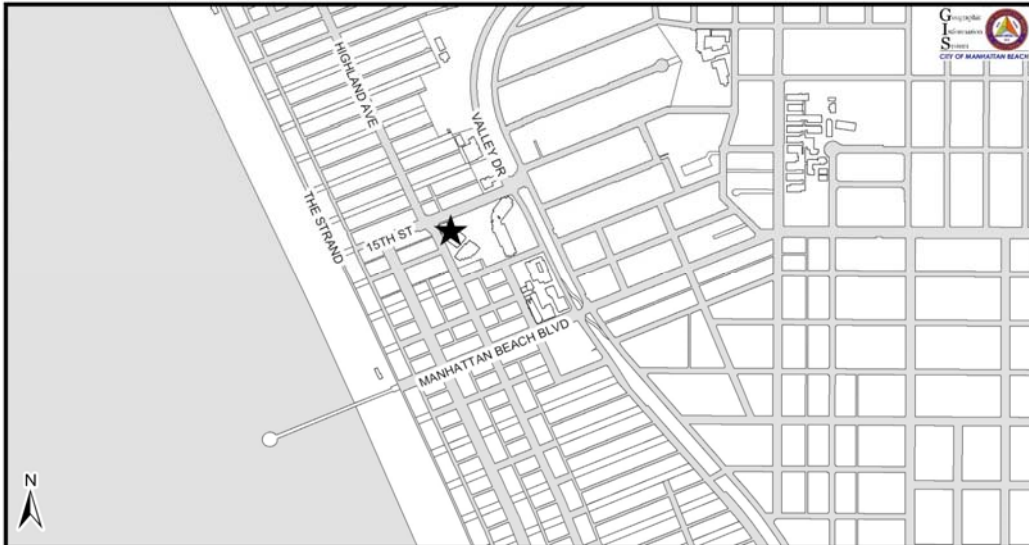
Project Title: City Hall HVAC System Replacement/Repair

Description: Replacement/repair of the City Hall HVAC system. The scope of work for the project may involve installing a separate and back-up HVAC system for the server room, replacing deteriorated ductwork and HVAC components, and upgrading the existing building management software (BMS).

Justification: The current system has been in place for over 20 years and has exceeded its useful life. Due to the age of the system, service and components are difficult to obtain. System outages are a regular occurrence and there are wide temperature fluctuations within different areas at City Hall. Furthermore, the system lacks an adequate back-up system for the server room, a room that requires specific temperature settings.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,300,000
	TOTAL	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,300,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #:

Original Funding Year:

General Plan Element Goals: LU-3, LU-3.1, CS-1

Project Title: Roof Replacements at Maine, Live Oak and Rec Hall

Description: Replace the roofs at Marine, Live Oak and Rec Hall.

Justification: The roofs at Marine, Live Oak and Rec Hall are in poor condition and must be replaced.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ 354,020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 354,020
	TOTAL	\$ 354,020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 354,020

Location

Map:

No map

City of Manhattan Beach Capital Improvement Plan FY2021-2025 Summary Sheets

Category:

- ☒ Carryover Project (Received previous appropriation)
- ☐ New Project (Funding identified, not yet appropriated)
- ☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #: 18202E

Original Funding Year: 2017-18

General Plan Element Goals: I-1

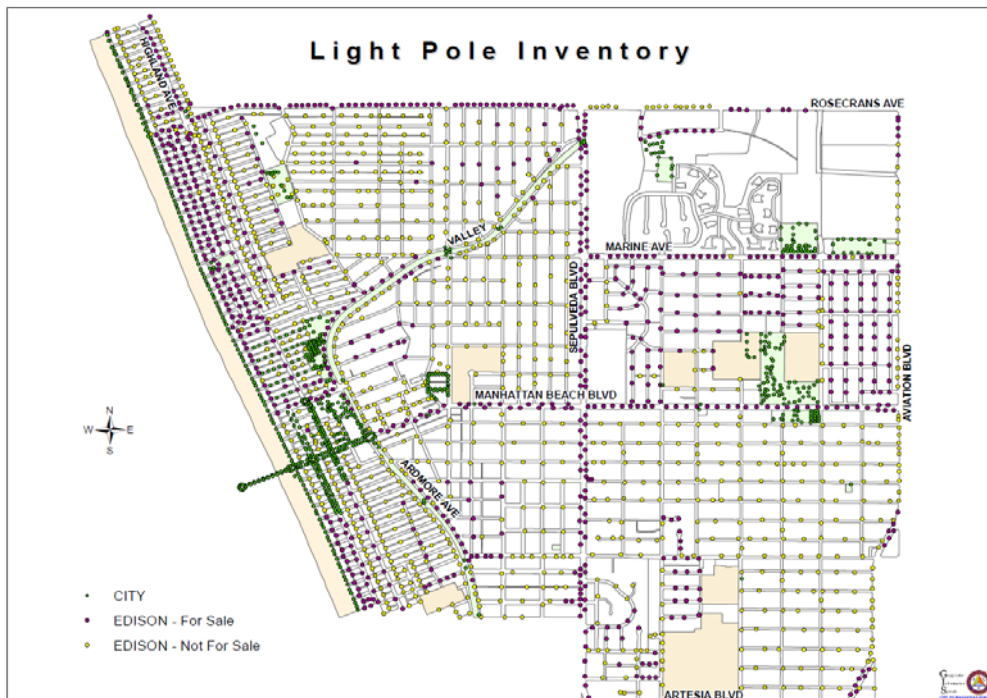
Project Title: Streetlight LED Retrofit

Description: LED retrofit of approximately 900 street lights throughout the City which the City recently purchased from Southern California Edison.

Justification: The City of Manhattan Beach has entered into an agreement with Southern California Edison, purchasing approximately 900 qualifying street lights. The lights will now be converted to LED bulbs. Space on the city-owned poles may also be leased to telecom providers to enhance cell phone and other wireless communications, as well as be utilized by the City for other city-related smart technology applications.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ 332,023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 332,023
	TOTAL	\$ 332,023	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 332,023

Location Map:



City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #: 17203E

Original Funding Year: 2016-17

General Plan Element Goals: LU 1:11

Project Title: Fiber Master Plan

Description: Develop a City Wide Fiber Master Plan. To accomplish this goal the City will contract with consulting firms to assist with the development of a Fiber Network Design and Business Plan. Their core mission will be to assist the City with analyzing the feasibility and determining economic projections for deploying a fiber network. The consultant also explore the benefits/risks and feasibility of deploying a fiber network that can be used to provide high speed Internet access to Manhattan Beach businesses and residents. Project deliverables typically include: High Level Network Infrastructure Design; Potential Business Model and Strategy; Preliminary Financial Model to Assist with Identifying Opportunities and Risks; & Finalized Project Report Summarizing Findings and Recommendations.

Justification: To achieve the General Plan's vision, the City of Manhattan Beach needs infrastructure to attract investment and support business growth. Today, access to broadband internet service is as vital as streets, water, and sewer infrastructure. Broadband connectivity enhances a community's economic development potential by attracting new advanced businesses and providing existing businesses the tools they need to expand. The Fiber Optic Master Plan will be used by the City for the planning, budgeting and implementation of a landmark fiber optic network infrastructure project. The primary objective of the Fiber Master Plan is to collect and analyze information and data that will provide the best path and business model to deploy a fiber optic network that meets the needs of the community. The Fiber Master Plan will assist in identifying businesses located in Manhattan Beach's several business corridors and residential areas.

Specifically, the outcomes of this contract will:

1. Provide the City with information and data to set its goals and objects to facilitate the design and deployment of a Fiber Optic Network in Manhattan Beach;
2. Research and evaluate the current supply of broadband communication assets, products and services in the City;
3. Produce an inventory and assessment of existing City-owned assets and infrastructure required to support deployment of a fiber network;
4. Define and evaluate potential fiber optic network routes and requirements;
5. Identify impacts of a fiber network including impacts on City right-of-way, City-owned conduit, streetlight poles, traffic lights, existing fiber system and other real property

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ 67,133	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 67,133
	TOTAL	\$ 67,133	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 67,133

Location Map:

No map; citywide

**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund
Carryover Project #: 16207E
Original Funding Year: 2015-16
General Plan Element Goals: CR-1

Project Title: Installation of New Fitness Equipment and Surfacing at Mariposa Fitness Station

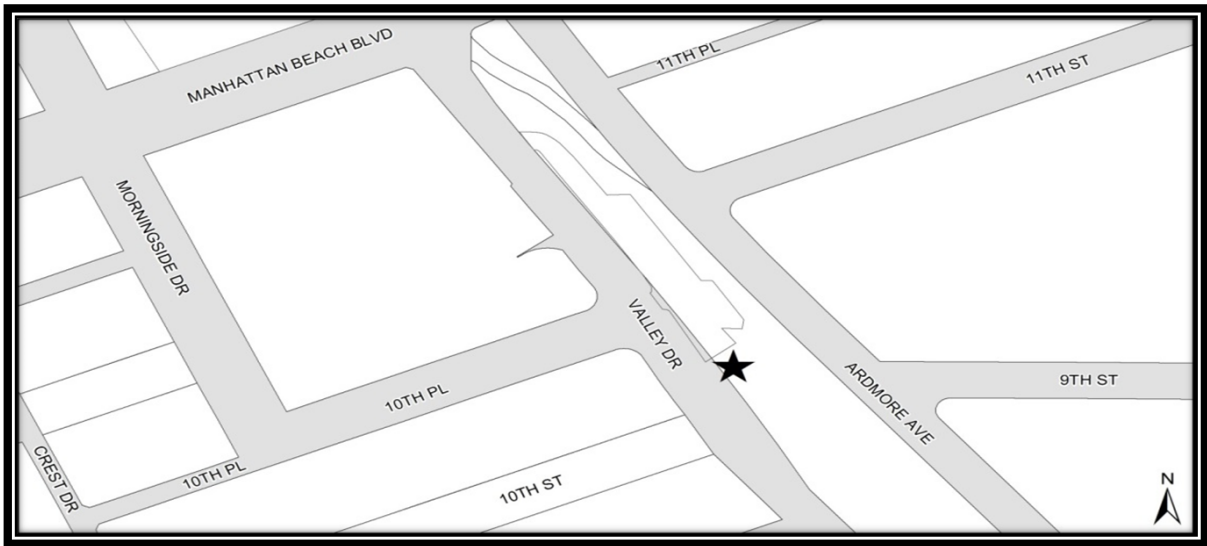
Description: Remove existing worn down and damaged fitness equipment and surfacing installation of new poured in place surfacing material and installation of all new fitness cluster equipment.

Justification: The current fitness equipment and surfacing at the Mariposa Fitness Station is worn down and damaged. The current state of the equipment and surfacing causes unnecessary maintenance and care that new equipment and surfacing would eliminate.

The new surfacing is safest and most economical on the market right now. The maintenance is low and this type of surfacing is easier to repair. The current fitness station is made of wood and is worn down and requires constant maintenance. It is proposed to keep the same aspect of the body weight stationed fitness cluster style but to use powder coated steel frame and plastic benches to reduce maintenance.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ 138,420	\$ -		\$ -	\$ -	\$ -	\$ 138,420
	TOTAL	\$ 138,420	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 138,420

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #: 17202E

Original Funding Year: 2016-17

General Plan Element Goals: CR-1

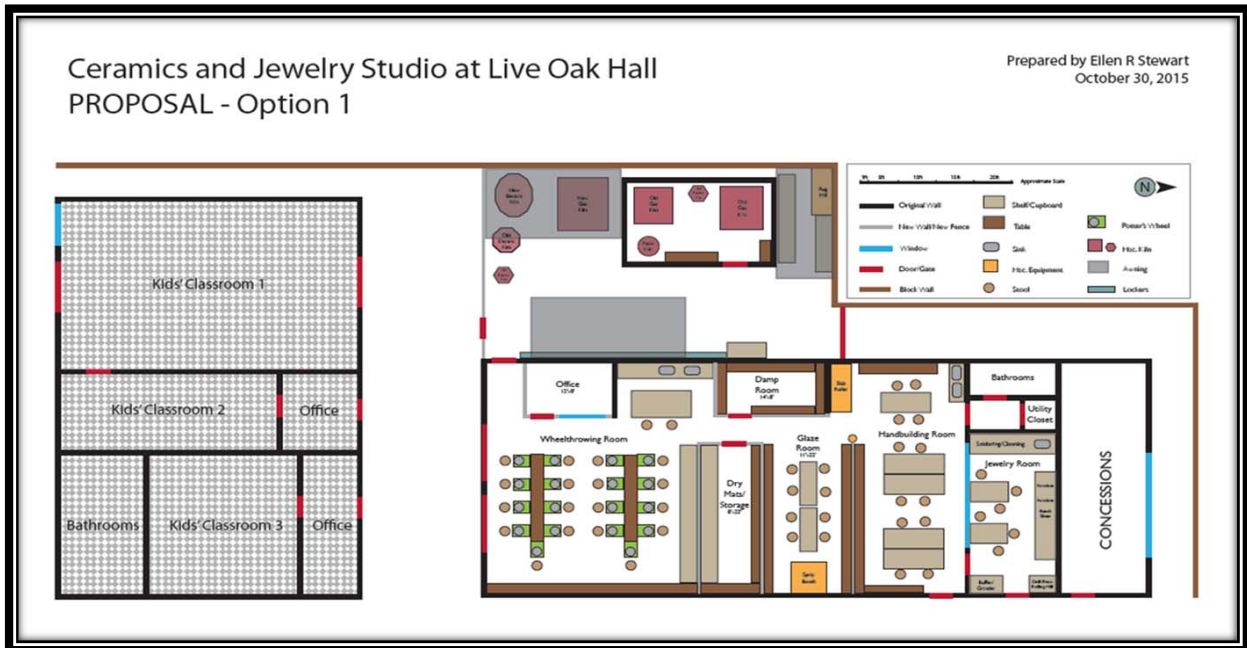
Project Title: Ceramics Studio Upgrades

Description: Move and expand the operational space of the Ceramics Studio from current location to Live Oak Hall at Live Oak Park. Add a Metalworking/Jewelry Lab space adjacent to the Ceramics Studio at Live Oak Hall. Fence off a designated outdoor area for kilns, lockers as well as outdoor workspace. Upgrade existing HVAC and electrical panel. Current Ceramics Studio will be retrofitted to accommodate children's classes and programming.

Justification: This expansion would provide additional classrooms for Ceramics and Jewelry classes that have outgrown the current facility. It will also free up the current Ceramics facility for use by the Kids' program, providing a space more conducive to children's programming, with easier access, HVAC system and fenced in outdoor play area.

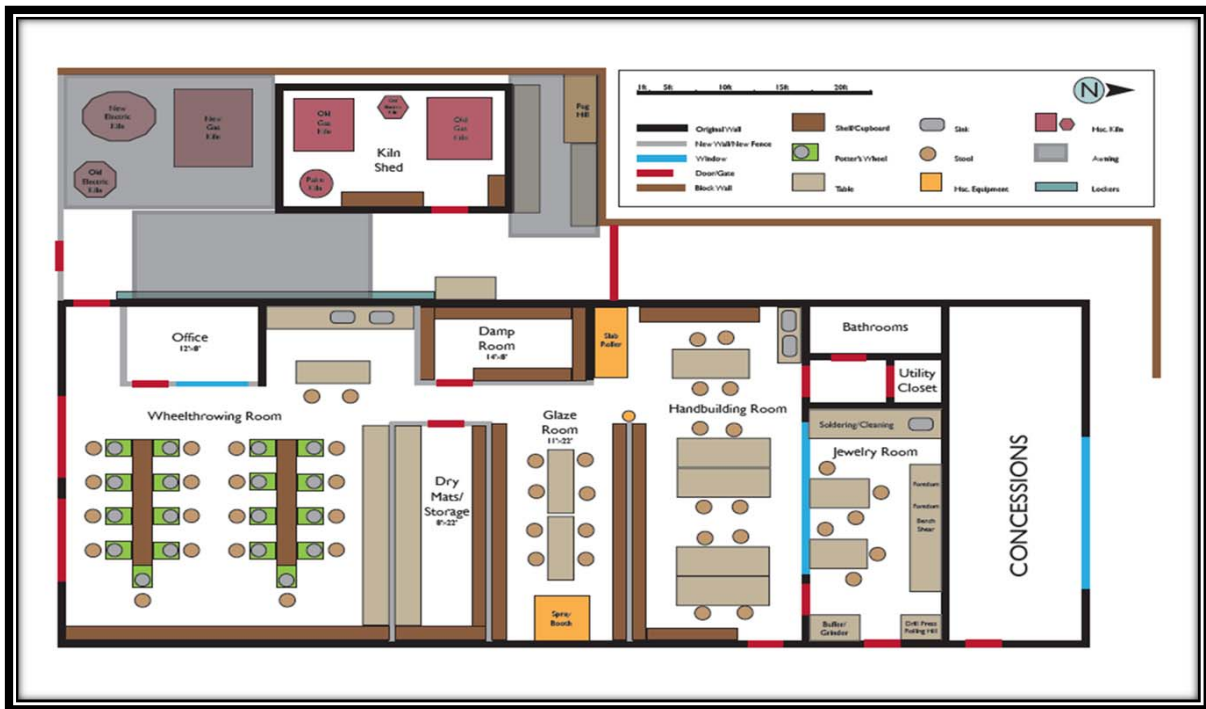
Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ 259,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 259,500
	TOTAL	\$ 259,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 259,500

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Project Title: Ceramics Studio Upgrades



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund
Carryover Project #: 15829E
Original Funding Year: 2014-15
General Plan Element Goals: LU-3, LU-3.1

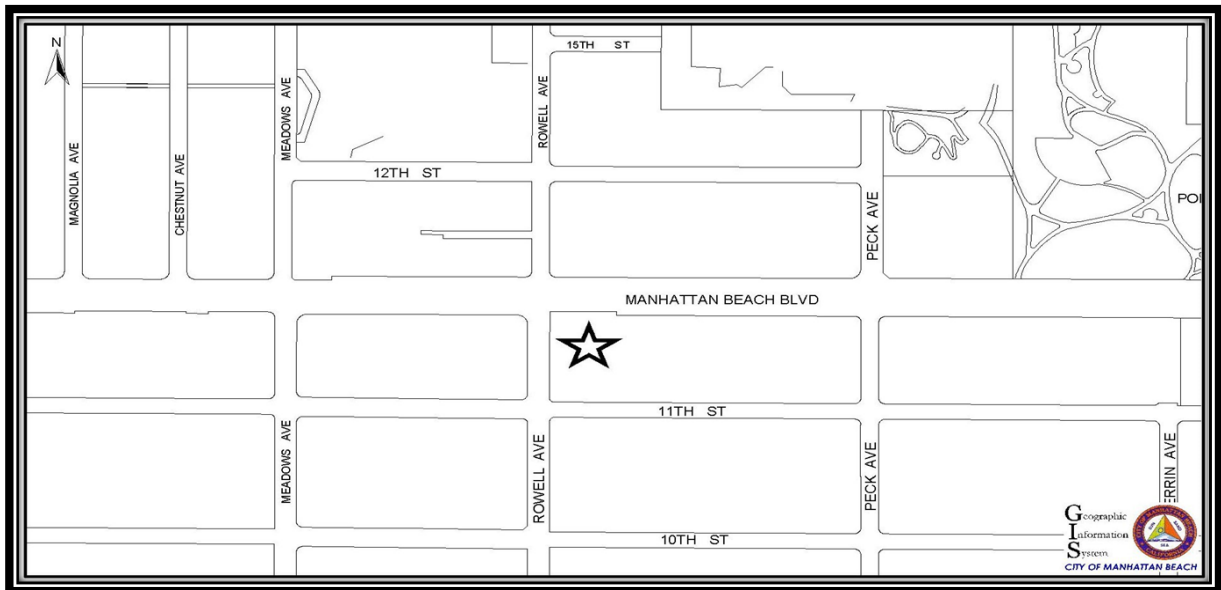
Project Title: Fire Station 2 Design Development

Description: Develop and design and perform site analysis for rebuild of Fire Station 2, located at 1400 Manhattan Beach Blvd., and construct improvements for immediate needs.

Justification: The current facility was built in 1954. It is not seismically retrofitted, nor does it meet all standards of an essential facility, including accommodations for female firefighters. This project would provide the City Council with options regarding possible locations of a new fire station and, if authorized, would proceed into a design development phase for a new station. In the interim, the proposed budget includes \$30,000 to fund critically important improvements to the existing station to improve operational efficiencies.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ 442,762	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 442,762
	TOTAL	\$ 442,762	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 442,762

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #: 20205E

Original Funding Year: 2019-20

General Plan Element Goals: LU-3, LU-3.1, CR-1

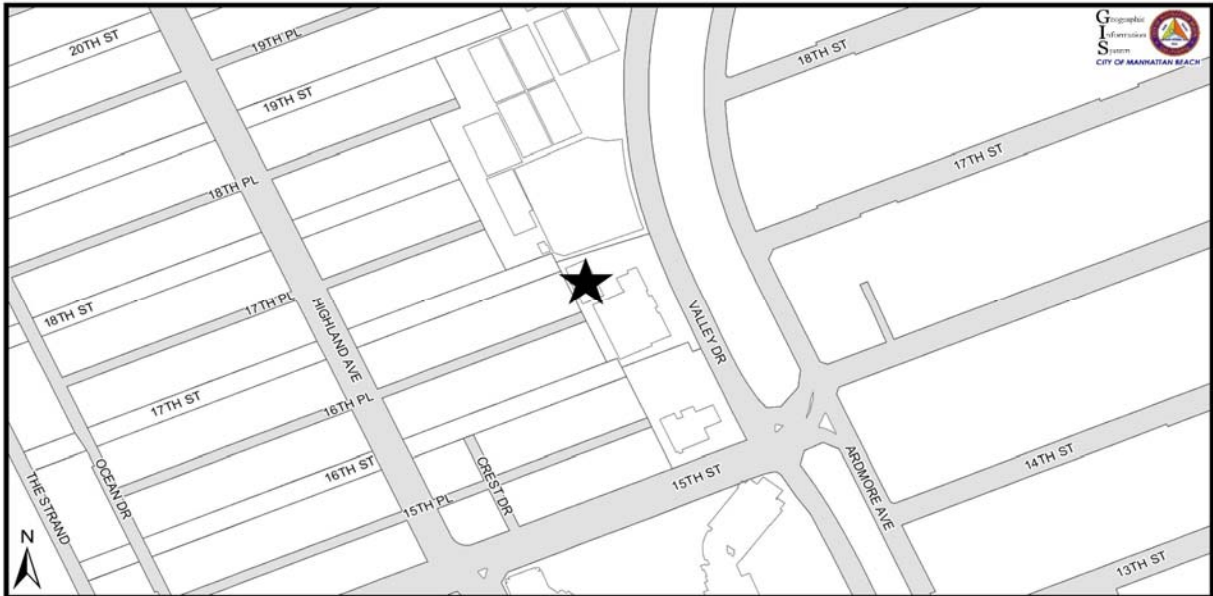
Project Title: Senior and Scout House

Description: Develop, design and construct a new Senior and Scout House in its current location.

Justification: Scouts and Seniors Community Center was originally constructed in the 1950s by the Boy Scouts and later donated to the city of Manhattan Beach. Through a partnership with the Friends of Senior & Scout Community Center (Friends), the City would construct the shell of the building as a public project and the Friends would complete the interior tenant improvements.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
	TOTAL	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000

Location Map:



City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #: 16212E

Original Funding Year: 2015-16

General Plan Element Goals: LU-5

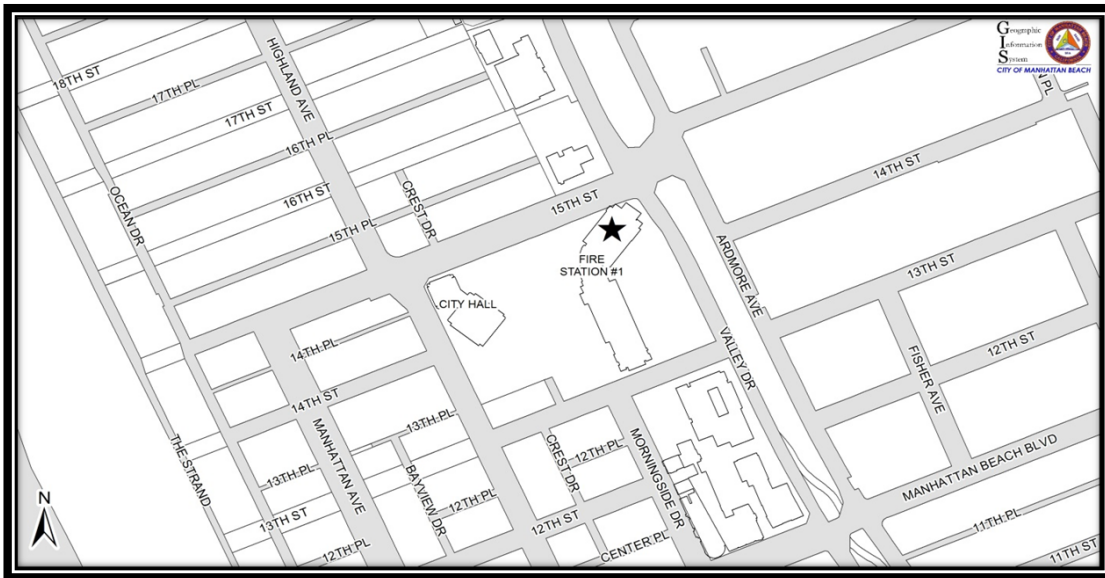
Project Title: Replacement and Upgrade of Fire Station 1 Diesel Exhaust Removal System

Description: Replacement of the aging fire apparatus diesel exhaust removal system.

Justification: The current exhaust system relies on a negative pressure (pulls the exhaust out rather than pushes). The fan that moves the exhaust out of the station is aging and the bearings are creating additional noise. The exhaust motor is located on top of the Fire Station. Every time a fire vehicle is started the system turns on. This came be at 2:00 am during environmentally the quietest time in the downtown neighborhood. This noise carries throughout the surrounding space of the fire station. Neighbors initially complained, but have since learned to live with the noise. The new system will mitigate much of the sound by using two smaller fans located inside the fire station. The new fans will be shrouded to prevent echoing and newer bearings and mechanical technology will reduce environmental noise.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
	TOTAL	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #: 16208E

Original Funding Year: 2015-16

General Plan Element Goals: CR-1

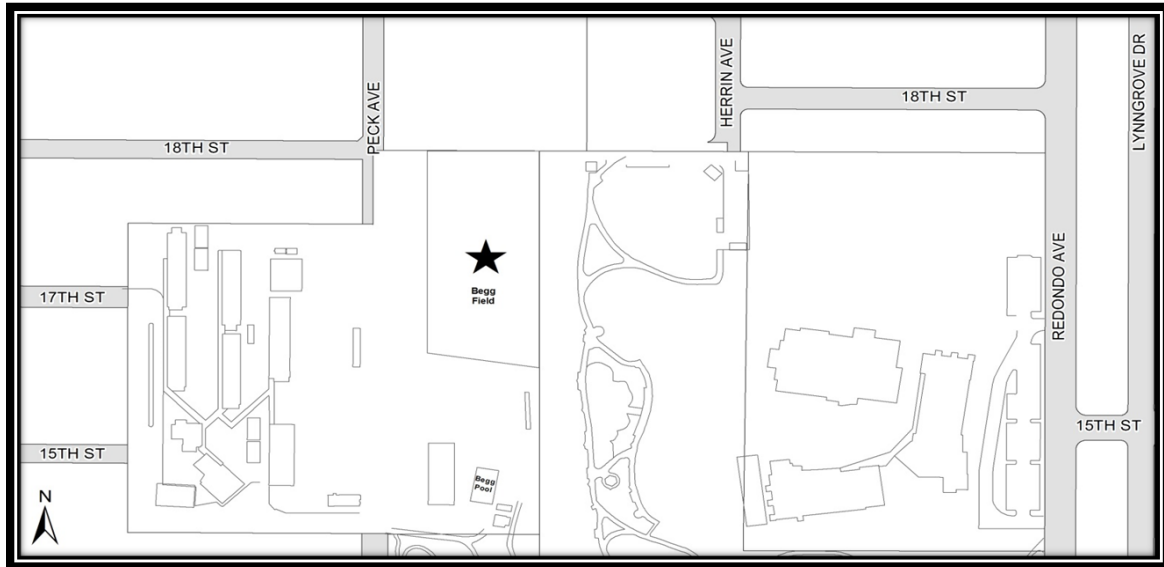
Project Title: Begg Field Improvements (Lighting, Fencing, etc.)

Description: Perform field improvements, install fence around turf and replace the light fixtures at Begg Field.

Justification: Over 5,000 AYSO, youth club and adult soccer participants play soccer annually in the City of Manhattan Beach. Synthetic turf will allow year round use to accommodate the communities needs and new lights will ensure the facility is safe, efficient and well light year-round.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000
	TOTAL	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #: 20204E

Original Funding Year: 2019-20

General Plan Element Goals: CR-3

Project Title: School District Project - TBD

Description: The City will perform a CIP project for in partnership with the Manhattan Beach Unified School District. The exact project scope and location will be determined.

Justification: The City of Manhattan Beach, in line with General Plan Element Goal CR-3, strives to "maintain relationships with educational institutions, as they represent a cornerstone of the community's foundation."

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
	TOTAL	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000

Location Map:

No map; location to be determined

**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #: Not yet assigned

Original Funding Year: 2019-20

General Plan Element Goals: CR-1, CR-2

Project Title: Historic Documents Repository

Description: Design a historic documents repository.

Justification: A location where historic documents can be safely and properly stored and protected is needed. The project will determine to house the historic documents and provide a design for the repository.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ 250,000
	TOTAL	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ 250,000

Location

Map:

No map; location to be determined

City of Manhattan Beach **Capital Improvement Plan FY2021-2025** **Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
- ☐ New Project (Funding identified, not yet appropriated)
- ☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #: 15845E

Original Funding Year: 2014-15

General Plan Element Goals: LU-3, I-12, CS-1

Project Title: City-Owned Refuse Enclosure Sewer Connections (annual)

Description: Improvements to be made to 18 city-owned refuse enclosures by connecting all enclosures to the sanitary sewer, rebuilding enclosures to a size appropriate for trash, recycling, and green waste cans or bins, painting and installing new hardware.

Justification: The city applied for illegal dumping grant funds to make these changes (our reasoning: enclosures that are not connected to the sanitary sewer pose a threat of debris and leachate (liquid trash) illegally dumping into the storm drain system), but the state did not believe that Manhattan Beach had a severe problem to warrant the grant funding.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 400,000
	TOTAL	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 400,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #: 13822E

Original Funding Year: 2012-13

General Plan Element Goals: I-1, I-2

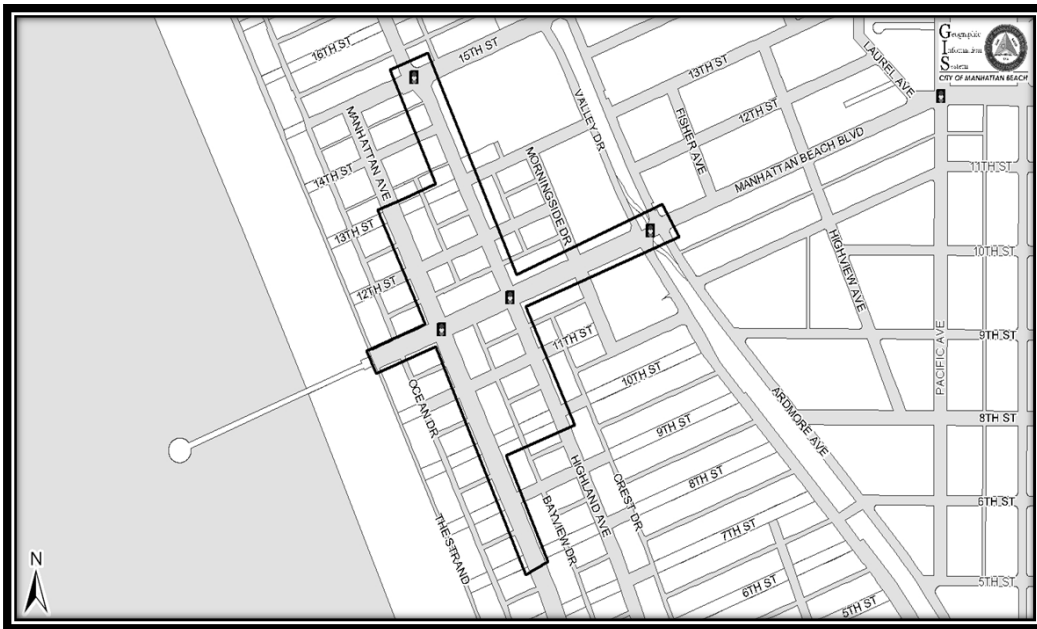
Project Title: Downtown Streetscape Improvements: Traffic Signal Pole Replacement

Description: Replacement of existing traffic signal poles and mast arms in the downtown area.

Justification: Existing traffic signal poles in the downtown area are deteriorated and require replacement.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ 842,650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 842,650
	TOTAL	\$ 842,650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 842,650

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #: 17207E

Original Funding Year: 2016-17

General Plan Element Goals: I-1, I-2

Project Title: Traffic Signal Battery Back-Up Installation

Description: Determine signal locations without battery back-up and upgrade them with battery back-up installation.

Justification: To ensure reliability of all traffic signals during power outages, each signal should be equipped with a battery back-up to maintain safety and efficiency.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,000
	TOTAL	\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,000

Location

Map:

No map; locations to be determined

**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #: 16106E

Original Funding Year: 2015-16

General Plan Element Goals: I-1

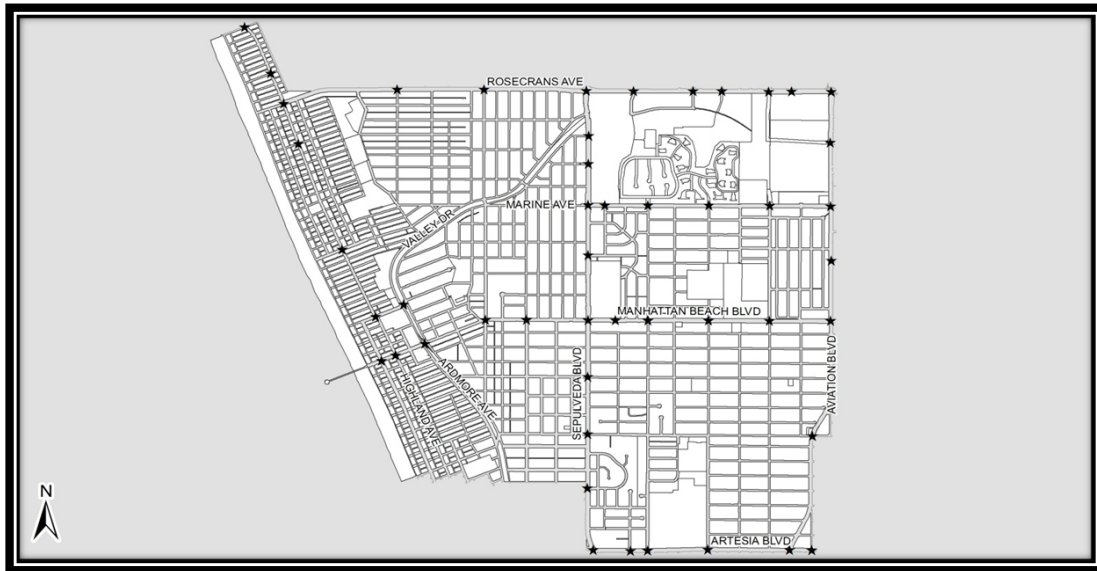
Project Title: Traffic Signal Preemption Devices

Description: This project will install traffic signal emergency vehicle preemption devices at all signal controlled intersections in the City.

Justification: Traffic sign preemption allows emergency vehicles responding to emergency calls to have better response times. Preemption will also improve traffic safety for the motoring public.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ 158,282			\$ -	\$ -	\$ -	\$ 158,282
	TOTAL	\$ 158,282	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 158,282

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #: 15835E

Original Funding Year: 2014-15

General Plan Element Goals: I-6

Project Title: Annual Non-Motorized Transportation Program (Bike Lanes, Crosswalks, Etc.)

Description: Provision of features to enhance non-motorized modes of transportation such as walking and biking.

Justification: This project would provide an annual account from which pedestrian and bicycle enhancements could be funded. Improvements such as high visibility pedestrian crossings, bike lanes, pedestrian and bicycle related traffic calming measures and other bicycle and pedestrian amenities would be funded through this project. Specific projects to be pursued include ones identified in the South Bay Bicycle Master Plan.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ 107,715	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 157,715
	TOTAL	\$ 107,715	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 157,715

Location

Map:

Various locations; citywide

**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #: 20206E

Original Funding Year: 2019-20

General Plan Element Goals: I-1, I-2, CS-3, CS-4

Project Title: Automatic License Plate Reader - Sepulveda Blvd. Pole (only)

Description: Installation of a pole at the intersection of Rosecrans Ave. and Sepulveda Blvd. which will be used to install an Automatic License Plate Reader on the pole.

Other locations anticipated for the readers, which are outside the scope of the CIP because the Fixed License Plate Readers can be installed on existing signal poles, are at northbound 45th St. at Highland Ave. and the intersection of Valley Dr. and Manhattan Beach Blvd.

Justification: License plate readers were installed in Manhattan Beach in 2017, and the Police Department has advised that the license plate readers have proven to be effective tools to catch wanted criminals entering Manhattan Beach, as well as provide investigative leads for crimes.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CIP Fund	\$ 149,898	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 149,898
	TOTAL	\$ 149,898	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 149,898

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Multiple Funds Prop A and CIP

Carryover Project #: 20201E

Original Funding Year: 2019-20

General Plan Element Goals: CR-1

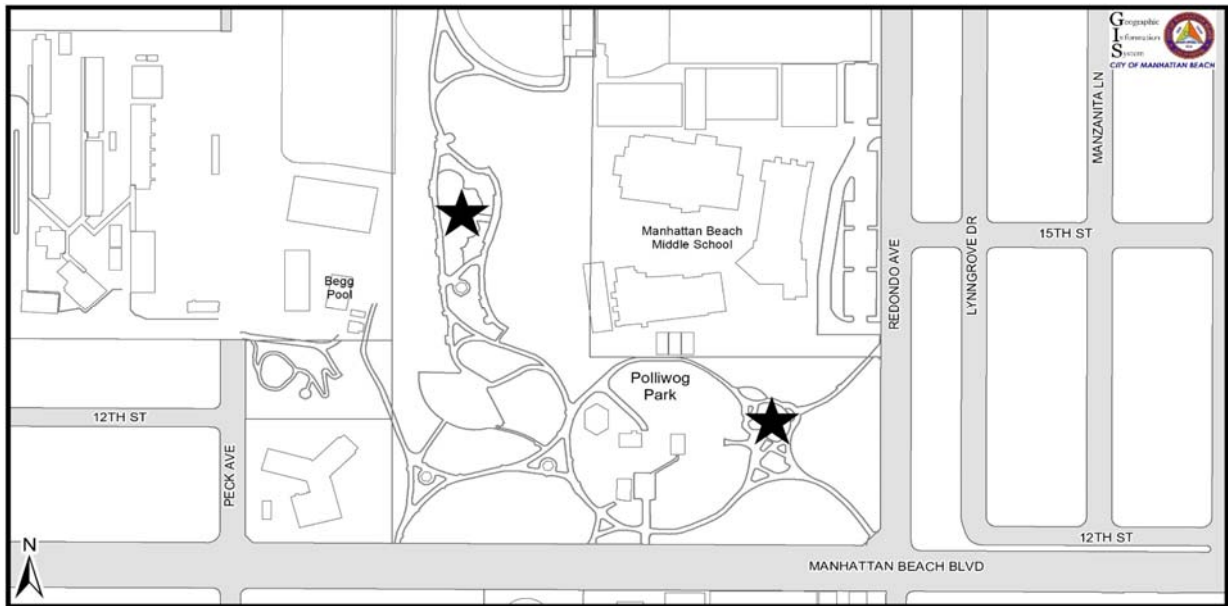
Project Title: Polliwog Playground Resurfacing & Equipment Replacement (Prop A/CIP)

Description: Resurface both playground areas and replace the lower Polliwog playground equipment at Polliwog Park.

Justification: The existing surface area in both playground areas and the lower Polliwog playground equipment at Polliwog Park has reached its useful life and must be resurfaced/replaced.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Prop A/CIP	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
	TOTAL	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Public Art Trust Fund

Carryover Project #: 20202E

Original Funding Year: 2019-20

General Plan Element Goals: CR-2

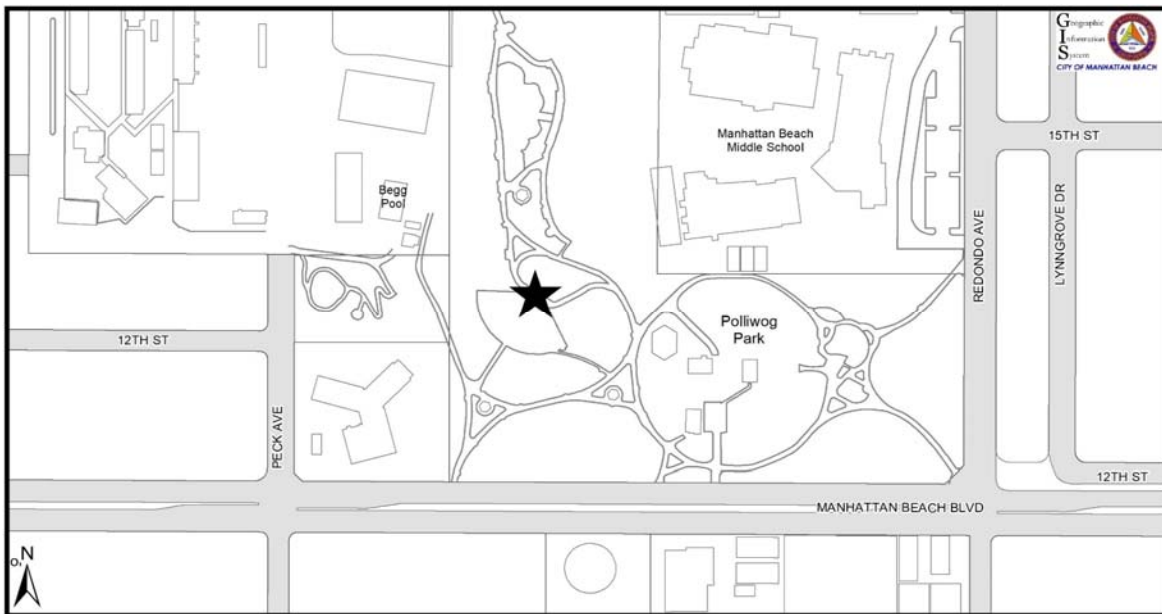
Project Title: Polliwog Band Stage (Public Art Trust Fund)

Description: Construct a permanent band stage in the amphitheater area of Polliwog Park with art elements.

Justification: The current use of the City's 20+ year old "bandshell" for Concerts in the Parks requires extensive set up, electrical and tear down with each use. Constructing a permanent band stage in the amphitheater area would conserve City resources and allow for a more efficient set up/tear down during Concerts in the Park.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Public Art Trust Fund	\$ 100,000	\$ -		\$ -	\$ -	\$ -	\$ 100,000
	TOTAL	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000

Location Map:



City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Grant Funded CDBG

Carryover Project #: 15834E

Original Funding Year: 2018-19

General Plan Element Goals: LU-3, LU-4, I-1, I-6, HE-3, CR-1 & CS-1

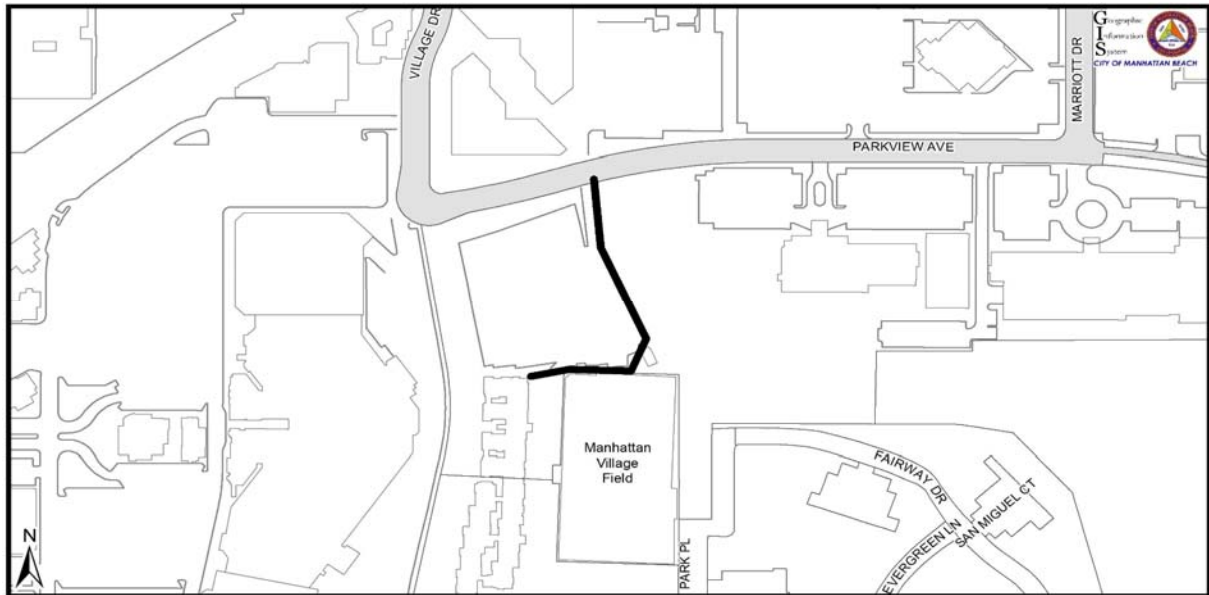
Project Title: Village Field Access Ramp: Construction (CDBG Funds)

Description: Installing ADA pathway/access ramp to connect pedestrian walkways on Parkview Avenue to the Manhattan Beach Village Field and Senior Villas.

Justification: The existing driveway to the Manhattan Beach Village Field, Senior Villas and City Public Park currently lacks an ADA accessible pedestrian pathway connecting to the public street sidewalk on Parkview Ave. This project will construct an ADA compliant pathway connecting the Village Field, Senior Villas and the City Public Park to the public sidewalk located on Parkview Ave.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CDBG Funds	\$ 300,000			\$ -	\$ -	\$ -	\$ 300,000
	TOTAL	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☐ Carryover Project (Received previous appropriation)
☒ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Grant Funded CDBG

Carryover Project #: N/A

Original Funding Year: N/A

General Plan Element Goals: I-1, I-6

Project Title: Annual ADA Improvements Program (CDBG Funds)

Description: Construct concrete access ramps at various locations throughout the City. These ongoing projects are not new, but the title is new as of the 2019-2020 CIP.

Justification: The Community Development Block Grant (CDBG) Program provides for the development of viable urban communities by providing decent housing, a suitable living environment, and expanded economic opportunities primarily for persons of low and moderate income. Eligible activities under the CDBG Program include activities related to housing, other real property activities (code enforcement, historic preservation), public facilities, activities related to public services, activities related to economic development, and assistance with community based development organizations. CDBG funds may be used for the acquisition, construction, reconstruction, rehabilitation, or installation of public improvements or public facilities. Public Improvements includes, but is not limited to, streets, sidewalks, water and sewer lines, and parks.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	CDBG			\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 400,000
	TOTAL	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 400,000

Location

Map:

No map; Citywide

City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: CIP Fund

Carryover Project #: 17204E

Original Funding Year: 2016-17

General Plan Element Goals: I-4

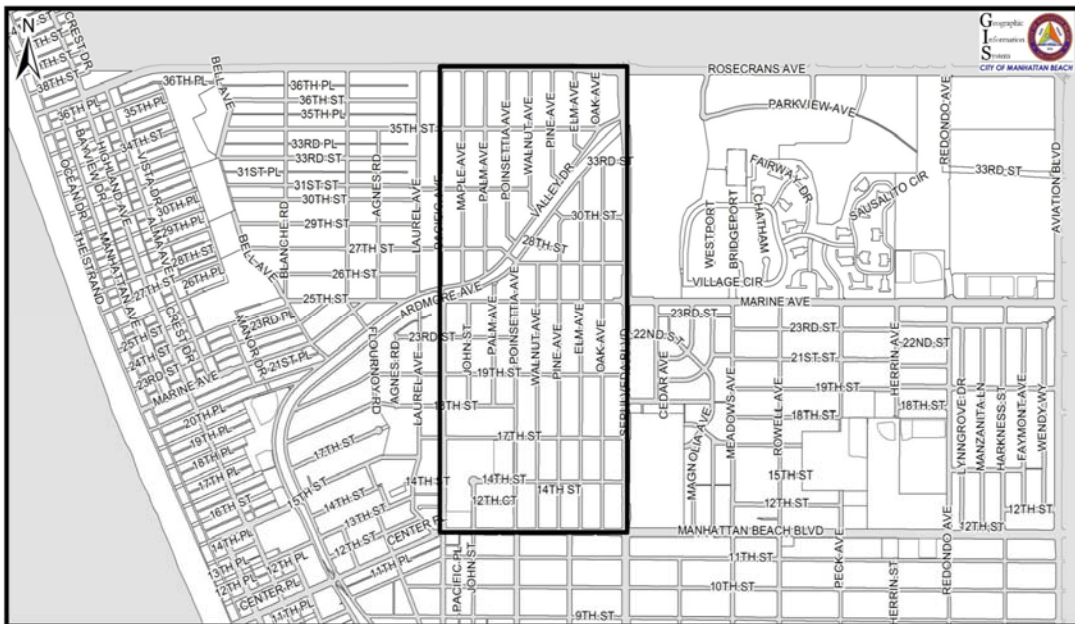
Project Title: Sepulveda Blvd./Oak Ave. Neighborhood Intrusion Study (Manhattan Village Mall)

Description: Conduct a traffic management study to evaluate existing and future traffic intrusion in the neighborhood west of Sepulveda Boulevard between Rosecrans Avenue and Manhattan Beach Boulevard.

Justification: The study will follow the City's Neighborhood Traffic Management Program guidelines, including data collection, resident workshops, identification of possible measures, analysis, public review and approval. The study was requested by residents and City Council during the Manhattan Village Shopping Center development approval process.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
MV Mall		\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000
TOTAL		\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000

Location Map:



City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Water Fund

Carryover Project #: 16302E

Original Funding Year: 2015-16

General Plan Element Goals: I-7

Project Title: Annual Pipe Replacement Program

Description: Improvement of the Pacific Avenue Sewage Lift Station and installation of a second force main. The Water Masterplan lays out the areas for replacement/installation.

Justification: The existing water mains to be replaced are mostly 4" cast iron mains more than 60 years old. Increasing to 6" mains or larger would provide adequate fire flows in the area.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Water Fund	\$ 379,080	\$ -	\$ 2,500,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 11,879,080
	TOTAL	\$ 379,080	\$ -	\$ 2,500,000	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	\$ 11,879,080

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Water Fund

Carryover Project #: 17302E

Original Funding Year: 2016-17

General Plan Element Goals: I-7

Project Title: Water Meter Upgrade and Automation

Description: Labor and materials to retrofit and upgrade the City's 13,300 water meters with radio meters and radio registers; install field radio reading infrastructure; install needed computer hardware and software.

Justification: Will help the City streamline the water and wastewater billing process, including reducing the labor necessary to read traditional water meters. Will give the City real-time data to better serve customers and give them the information they need to conserve water, thereby lowering their water bills. Customers can also view their own consumption and water loss patterns on a 24/7 basis. It will also help City substantially decrease non-revenue water by detecting water loss in the distribution network

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Water Fund	\$ 5,321,040		\$ -				\$ 5,321,040
	TOTAL	\$ 5,321,040	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,321,040

Location Map:

No map; Citywide

**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Water Fund

Carryover Project #: 18301E

Original Funding Year: 2017-18

General Plan Element Goals: I-7

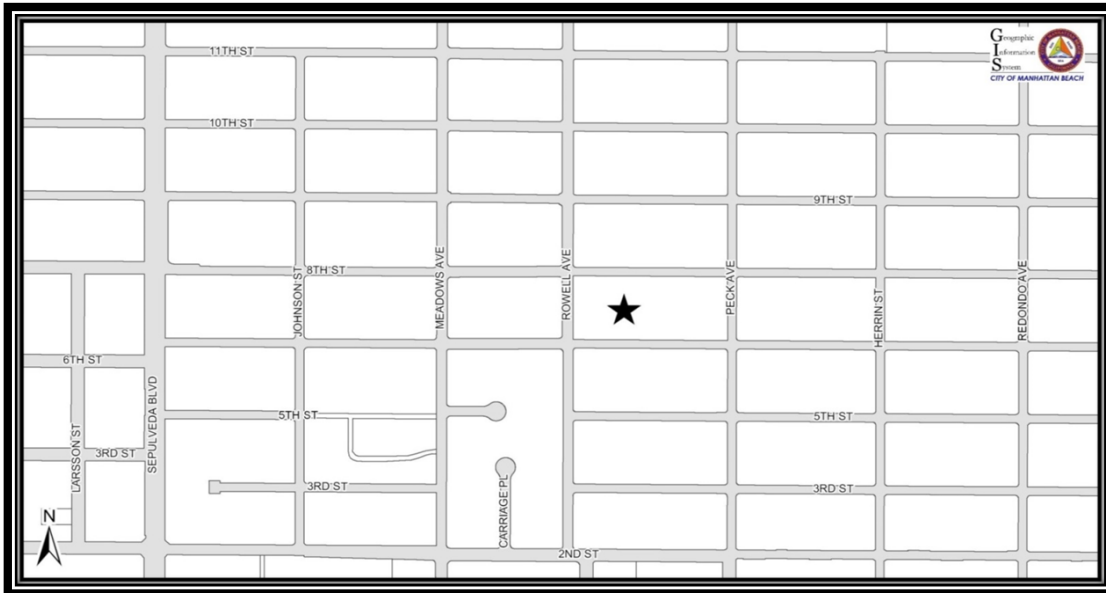
Project Title: Block 35 Ground Level Reservoir Replacement (Design Only)

Description: Prepare the design portion only of a potential new, larger capacity water reservoir at Block 35.

Justification: Block 35 Ground Level Reservoir (2 mg) was originally constructed in 1948. It has an inner wall with 69.17 ft. diameter, and an outer wall with 140 ft. diameter. The inner wall top is at elevation 182.8 feet, while the outer wall top is at elevation 191.58 feet. The overflow elevation is at 190 feet. Due to leakage at the wall/floor joint at high water levels, the reservoir is operated at half full level. This is the facility where most of the blending takes place, and from where water is pumped into the system. Therefore, its blending takes place, and from where water is pumped into the system. Therefore, its integrity is essential for proper operation of the system. It is at the end of its useful life, and should be replaced with a new, larger reservoir. The appropriate size of the new water reservoir will be determined at the pre-design state.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Water Fund	\$ -	\$ -		\$ 1,200,000			\$ 1,200,000
	TOTAL	\$ -	\$ -	\$ -	\$ 1,200,000	\$ -	\$ -	\$ 1,200,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Water Fund

Carryover Project #: 15838E

Original Funding Year: 2014-15

General Plan Element Goals: CS-1.3, I-7

Project Title: Chloramination System at Wells 11 & 15

Description: 1. Engineering study related to the water distribution system disinfectant residual stability and feasibility of converting from chlorine to chloramine disinfection;
 2. Construction of building at Well 11 to house liquid sodium hypochlorite and chemical feed/analytical equipment. The construction of the building at Well 15 is part of the "Redrill and Equip Well 15" project.

Justification: The City's blending operations of mixing MWD chloraminated water with Manhattan Beach groundwater containing ammonia at Peck and Block 35 Reservoirs, then adding chlorine presents a challenge in achieving target disinfection residuals at the point of entry to the water distribution system. This project will allow the "contact time" between the injected sodium hypochlorite and naturally occurring ammonia from well water to take place in the transmission lines from the wells to the reservoirs, thus eliminating the challenges and risks noted above.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Water Fund	\$ -	\$ -	\$ -	\$ 300,000			\$ 300,000
	TOTAL	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Water Fund

Carryover Project #: 12828E

Original Funding Year: 2011-12

General Plan Element Goals: I-7

Project Title: Larsson Street and 2nd Street Booster Station Improvement

Description: Installation of new motors, pumps, variable speed drives, motor controls, control valves, relief valve, piping, wiring and new back-up generator.

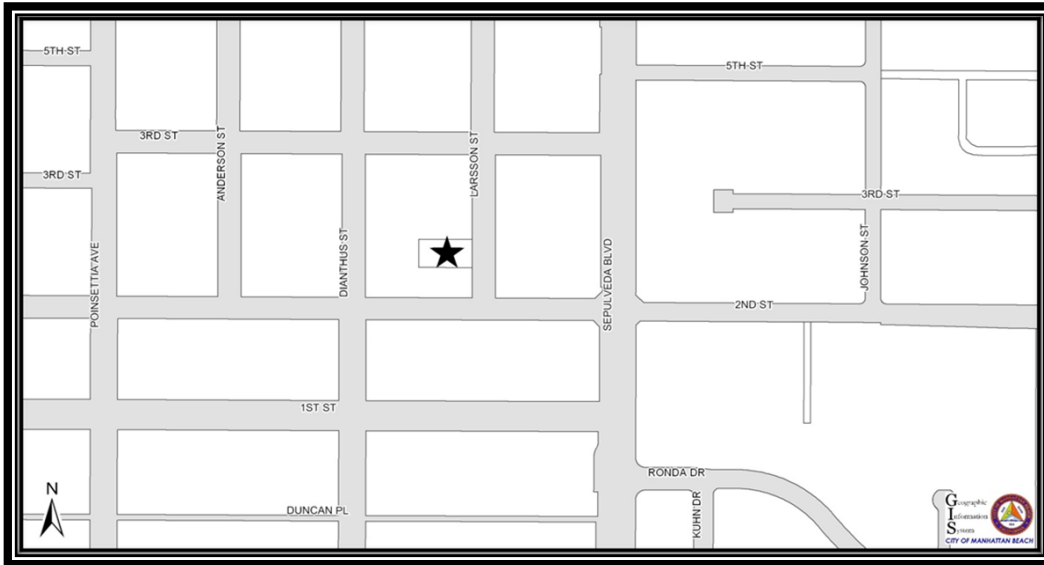
Justification: Presently the Larsson Street Pump Station consists of three electric pumps with variable speed drives. At times, all three pumps are called to provide peak domestic service and on occasion, the 2nd Street Pump Station is also called to assist. Optimally, peak domestic service should be served by two of the three pumps at the station. This would allow one of the pumps to be taken out of service for maintenance without requiring the 2nd Street pump station to be called.

The Larsson project would provide three new pumps at the station such that two pumps should handle peak domestic service. Three new pumps and variable speed drives would be installed along with new motor controls, control valves, relief valve, piping, wiring, and a new back-up generator.

**Project Cost
Information:**

Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
Water Fund	\$ 648,941	\$ -	\$ 1,000,000				\$ 1,648,941
TOTAL	\$ 648,941	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 1,648,941

**Location
Map:**



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Water Fund

Carryover Project #: 15837E

Original Funding Year: 2014-15

General Plan Element Goals: I-7, LU-3, LU-4

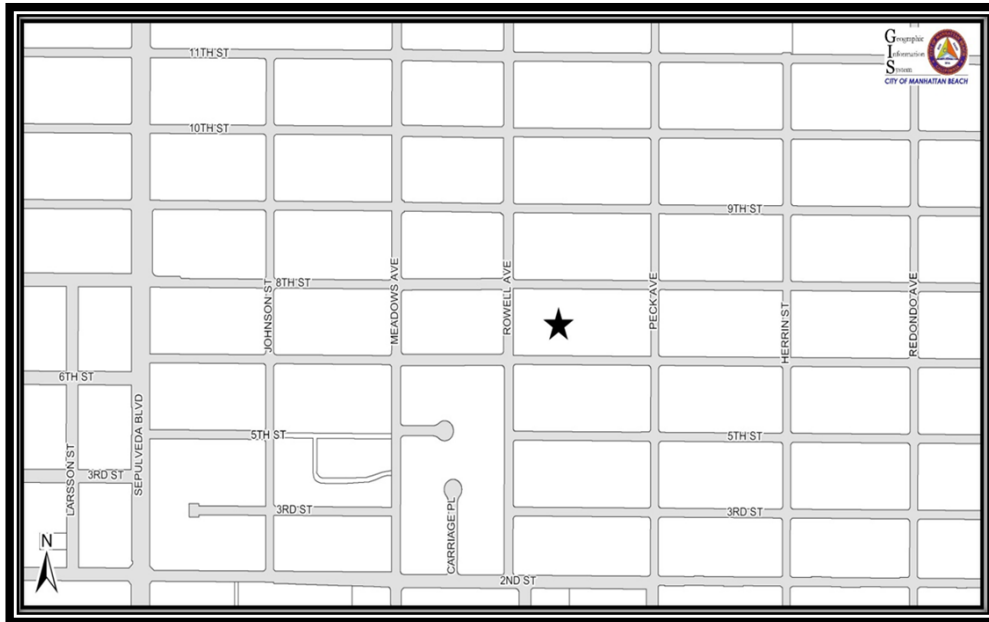
Project Title: Paint Block 35 Elevated Tank

Description: Strip and paint the exterior of the Block 35 Elevated Tank.

Justification: The Elevated Tank shows signs of severe rusting and paint deterioration. In order to preserve the tank's steel structure, it is imperative that the exterior surface be repainted and epoxied in order to keep metal corrosion under control.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Water Fund	\$ 841,428	\$ 800,000	\$ -				\$ 1,641,428
	TOTAL	\$ 841,428	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ 1,641,428

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Water Fund

Carryover Project #: 15836E

Original Funding Year: 2014-15

General Plan Element Goals: CS-1.3, I-7

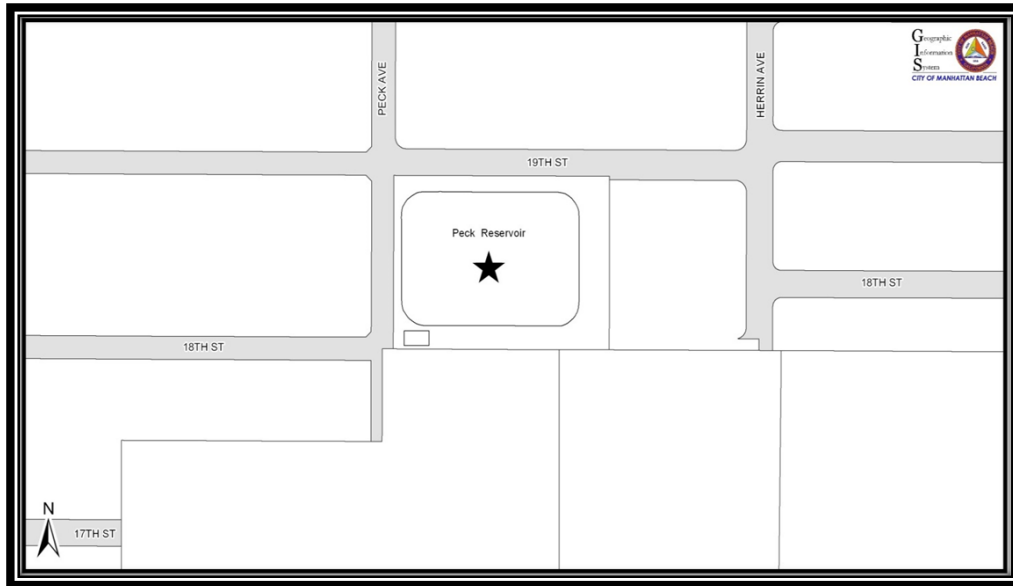
Project Title: Peck Ground Level Reservoir Replacement

Description: As recommended in the City's 2010 Water Master Plan, replace existing 7.5 million gallon with an estimated 8 million gallon reservoir. The project will also reconstruct the pump boost station.

Justification: Built in 1957, Peck Reservoir has exceeded its useful life. The metal roof has deteriorated beyond repair and the existing reservoir has no mechanical ventilation system to control condensation and temperature within the reservoir, which adversely impact the disinfection residual of stored water and metallic surfaces. Despite attempts to repair leaking concrete slopes and floor, the reservoir continues to leak and cannot be filled beyond 15 feet of the 20 feet of available storage.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Water Fund	\$ 22,751,179	\$ 14,000,000					\$ 36,751,179
	TOTAL	\$ 22,751,179	\$ 14,000,000	\$ -	\$ -	\$ -	\$ -	\$ 36,751,179

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Water Fund

Carryover Project #: 17301E

Original Funding Year: 2016-17

General Plan Element Goals: I-7

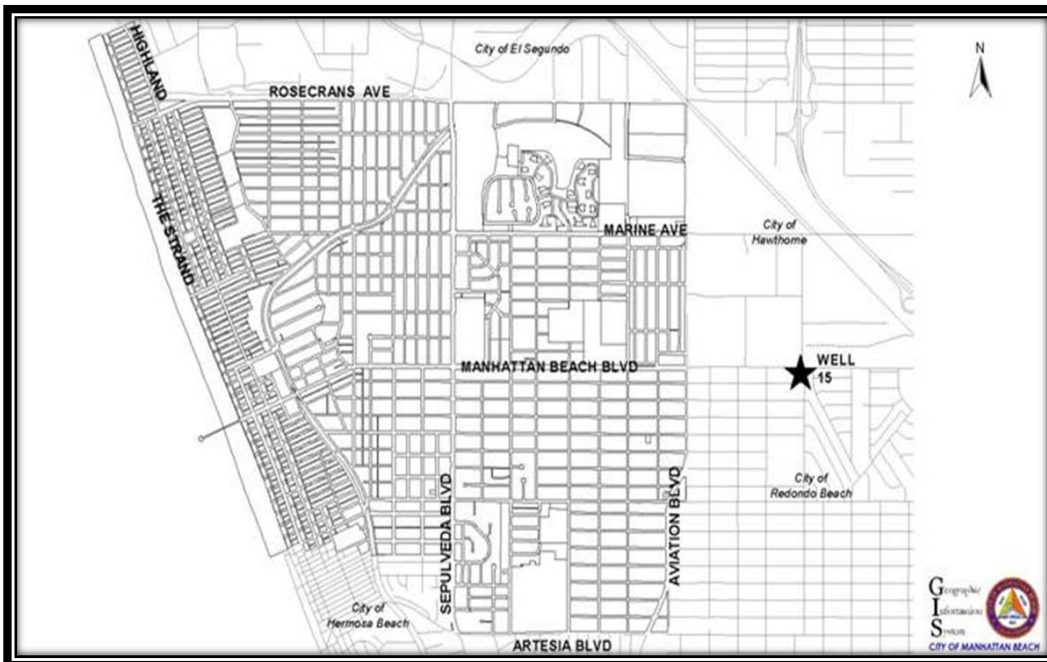
Project Title: Redrill & Equip Well 15

Description: Redrill and equip Well No. 15. This project will also include the construction of a building at Well 15 to house liquid sodium hypochlorite and chemical feed/analytical equipment.

Justification: The uncertainty of the water quality due to saltwater intrusion at the planned Well 13 site presents a high risk of building costly water treatment facilities well in excess of the budgeted amount. Accordingly, Public Works has decided to re-drill and equip Well 15 in lieu of Well 13. The new well will be designed and built to produce 2,200 gpm. Combined with the 2,200 gpm produced by Well No. 11, the City will have a guaranteed source of supply equal to 4,400 gpm, which will surpass the City's average day demand of 3,940 gpm, and position the City to meet demand in the event of an MWD outage.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Water Fund	\$ -	\$ -			\$ 650,000		\$ 650,000
	TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 650,000	\$ -	\$ 650,000

Location Map:



City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets

Category:

- ☒ Carryover Project (Received previous appropriation)
- ☐ New Project (Funding identified, not yet appropriated)
- ☐ Unfunded Project (Funding not available at this time)

Funding Source: Multiple Funds Water (w/ wastewater)

Carryover Project #: 11834E (Water) and 11838E (WW)

Original Funding Year: 2010-11

General Plan Element Goals: I-7, I-11

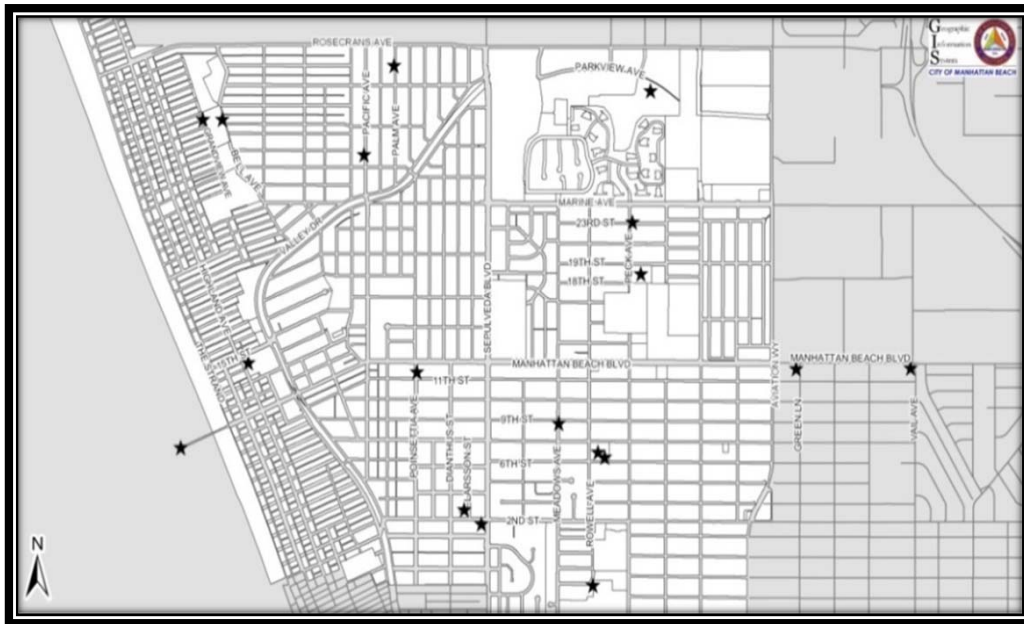
Project Title: Utility Telemetry

Description: Install radio communications to 21 existing water and wastewater stations at the Public Works Maintenance Facility.

Justification: The City monitors the function of 21 critical water and sewer facilities on a continuous basis. Presently, telephone is the only communication mode and there is no back-up system. Redundant communication is critical to assure the function of critical water and sewer facilities. This project establishes a new radio and potential fiber optic communication system installation while maintaining the current telephone system for redundancy.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Water Fund	\$ - \$	- \$	- \$	215,395 \$	- \$	- \$	215,395 \$
	TOTAL	\$ - \$	- \$	- \$	215,395 \$	- \$	- \$	215,395 \$

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Water Fund

Carryover Project #: 19301E

Original Funding Year: 2018-19

General Plan Element Goals: LU-3, LU-4, I-7, HE-3, & CS-1

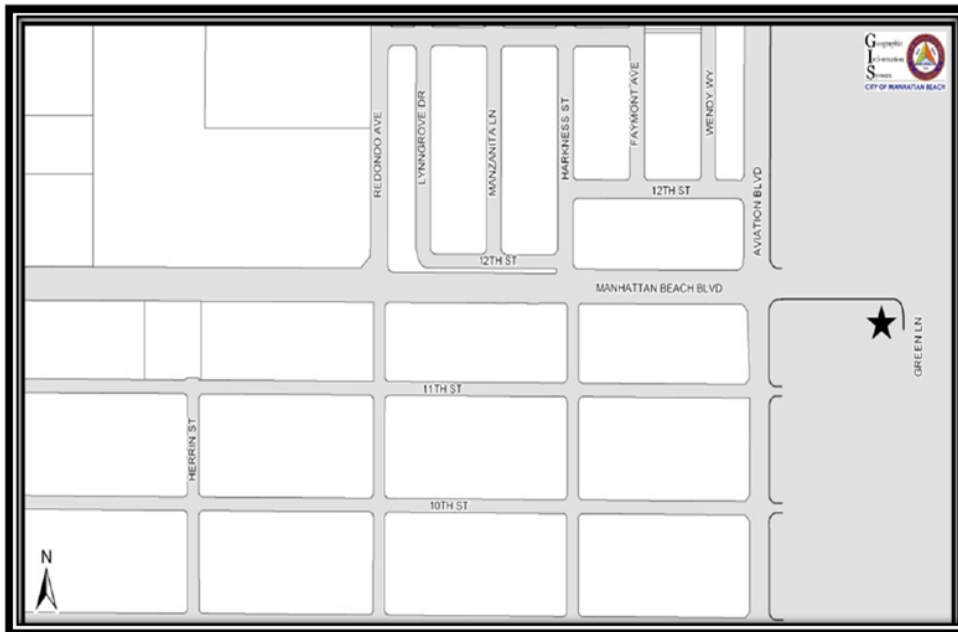
Project Title: Well 11A Variable Frequency Drive Installation

Description: Retrofit existing Well 11A water pumping system to incorporate VFD installation.

Justification: Well 11A VFD Installation will allow water operations additional flexibility with blending well (ground) water and MWD water to keep water quality consistent in the distribution system.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Water Fund	\$ -				\$ 125,000		\$ 125,000
	TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ -	\$ 125,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Water Fund

Carryover Project #: 19302E

Original Funding Year: 2018-19

General Plan Element Goals: LU-3, LU-4, I-7, HE-3, & CS-1

Project Title: Well 15 Electrical Panel Replacement and Variable Frequency Drive (VFD) Installation

Description: Retrofit existing Well 15 water pumping system to incorporate VFD and replace electrical panel.

Justification: The current electrical panel at Well 15 has aged and deteriorated due to exposure to the elements and needs replacement. Additionally, installation of a Variable Frequency Drive (VFD) will allow water operations additional flexibility with blending well (ground) water and MWD water to keep water quality consistent in the distribution system.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Water Fund	\$ -				\$ 300,000		\$ 300,000
	TOTAL	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☐ Carryover Project (Received previous appropriation)
☒ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Water Fund

Carryover Project #: N/A

Original Funding Year: N/A

General Plan Element Goals: I-7, I-11

Project Title: Water Masterplan Update

Description: Last updated in 2010, the masterplan is a guidance document for the water department's infrastructure and operations, and an update to the water system hydraulic model.

Justification: This update comes in the heels of major improvements to the water system and the need to revisit and readjust plans for improvements for the next 10 years based on demands and condition of the important aging infrastructure.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Water Fund	\$ -	\$ 300,000	\$ -			\$ -	\$ 300,000
	TOTAL	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000

Location Map:

No map; plan update

**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Water Fund

Carryover Project #: 20301E

Original Funding Year: 2019-20

General Plan Element Goals: I-7, I-11

Project Title: Electronics Automation (SCADA)

Description: Automation of water supply equipment and replacement of communications equipment.

Justification: Adjustments to the water supply equipment are currently performed manually. Automation will allow the same excellent water quality expected by the community without manual adjustments. The communications equipment must be replaced for compatibility with the water supply equipment.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Water Fund	\$ 200,000	\$ -	\$ -		\$ -	\$ -	\$ 200,000
	TOTAL	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☐ Carryover Project (Received previous appropriation)
☒ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Water Fund

Carryover Project #: N/A

Original Funding Year: N/A

General Plan Element Goals: I-7

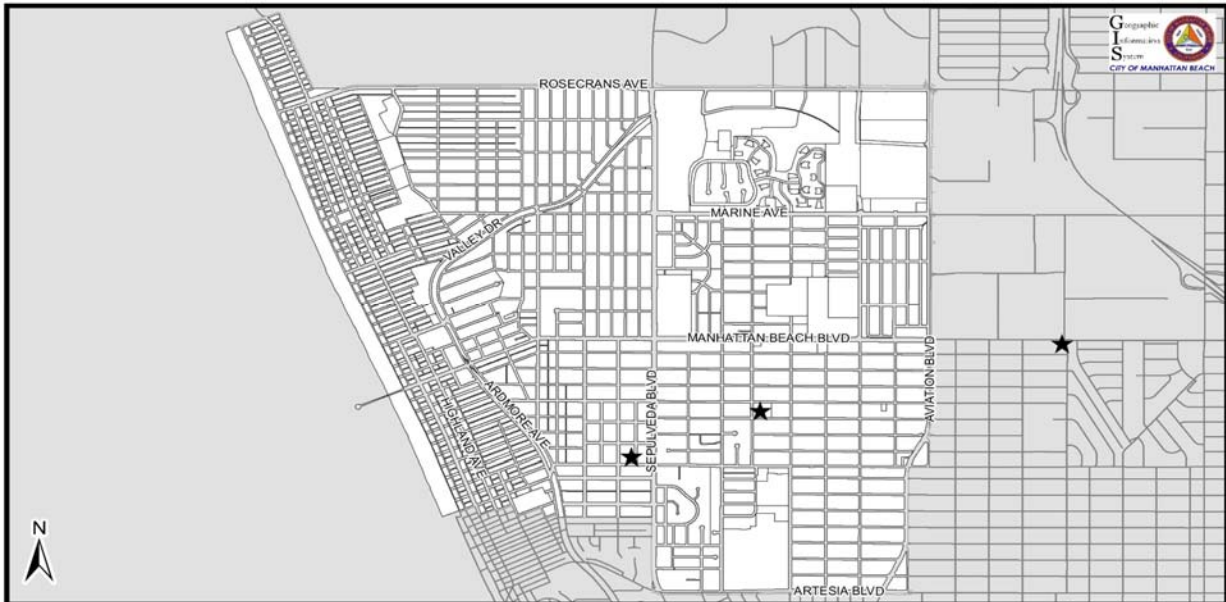
Project Title: Generator Upgrades at Larsson, Well 15 and Block 35

Description: Replace existing generators with new and more efficient models at the Larsson, Well 15 and Block 35.

Justification: The current generators are almost 20 years old and in need of replacement.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Water Fund	\$ -	\$ -	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ 500,000
	TOTAL	\$ -	\$ -	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ 500,000

Location Map:



City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Stormwater Fund

Carryover Project #: 16401E

Original Funding Year: 2015-16

General Plan Element Goals: I-9, I-12

Project Title: Storm Drain Capital BMPs (Best Management Practices)

Description: Installation of storm drain debris collection devices to prevent trash from entering storm drain pipes.

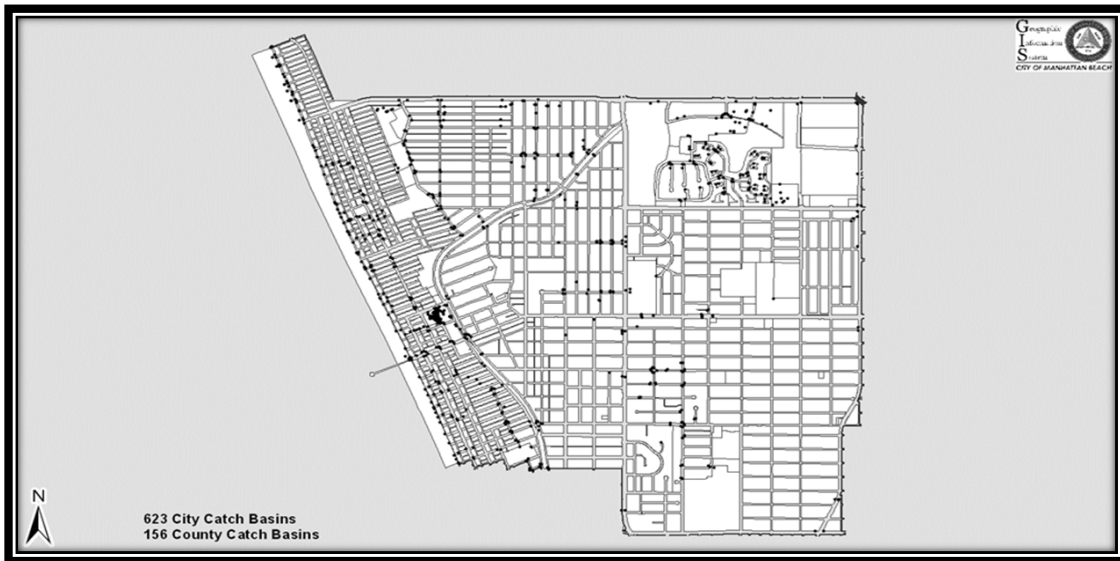
Justification: The National Pollutant Discharge Elimination System (NPDES) permit was reissued in winter 2012. This permit includes Total Maximum Daily Load (TMDL) requirements related to trash. The permit requires the installation of trash removal devices on all catch basins in the City. The Trash TMDL requires flows from a 1year/1hour design storm to be filtered through 5mm orifices. The typical insert installation consists of a connector pipe screen (CPS) installed across the outlet pipe and an automatic retractable screen (ARS) along the curb opening. The CPS possesses 5mm holes and is the device required to meet the Trash TMDL requirement. The ARS is normally closed and opens when storm flows enter the catch basin. The ARS keeps gross solids out during dry periods and reduces the build-up of debris inside the basin.

It is expected that the implementation requirement will be as follows:

- a. Install first 20% of full capture systems within 4 years of the effective date of TMDL
- b. Install next 20% of full capture systems within 5 years from effective date, and 20% more each year until 100% have been installed within 8 years of effective date

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Stormwater Fund	\$ -	\$ 710,000	\$ 210,000	\$ 210,000	\$ 210,000	\$ 210,000	\$ 1,550,000
	TOTAL	\$ -	\$ 710,000	\$ 210,000	\$ 210,000	\$ 210,000	\$ 210,000	\$ 1,550,000

Location Map:



City of Manhattan Beach **Capital Improvement Plan FY2021-2025** **Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
- ☐ New Project (Funding identified, not yet appropriated)
- ☐ Unfunded Project (Funding not available at this time)

Funding Source: Stormwater Fund

Carryover Project #: Not yet assigned

Original Funding Year:

General Plan Element Goals: I-9

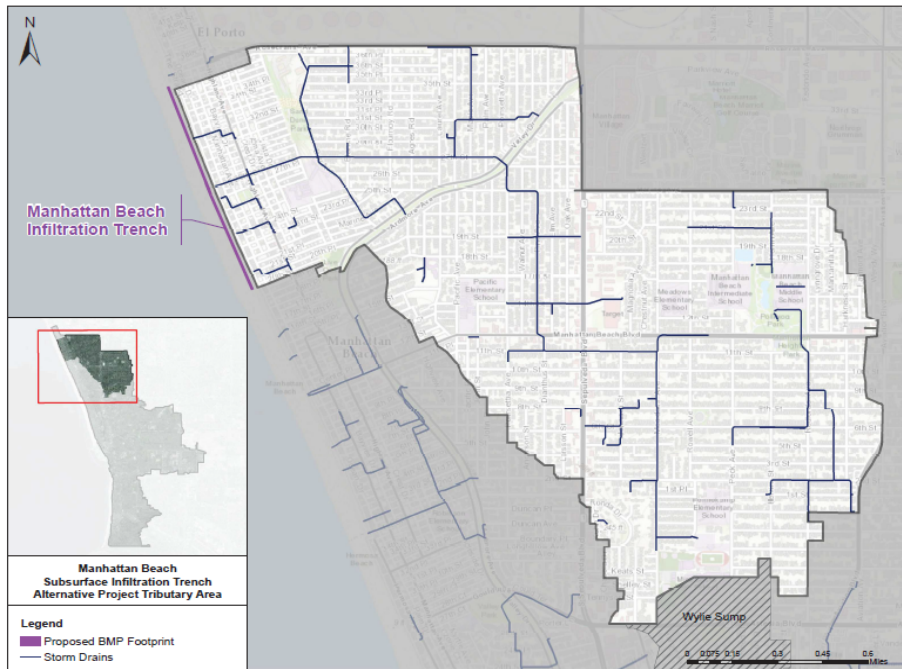
Project Title: Strand Infiltration Feasibility Study

Description: Install infiltration trenches and equip with both storage and drainage components. The BMP will consist of pretreatment leading to an infiltration trench. Dry and wet weather flows from the 28th St. (and the Strand) storm drain will enter the forebay and trash nets for pretreatment and then flow into a series of 16 parallel perforated pipes extending laterally from both sides of the forebay. The perforated pipes will be laid amongst a bed and fill of gravel to enhance storage prior to infiltration into native soils. When persistent flows fill the system to storage capacity, additional runoff will overflow from the forebay via an overflow chute and re-enter the existing drainage system. The project is expected to incorporate Bruce's Beach and Polliwog at some juncture.

Justification: Infiltration trenches remove pollutants from stormwater network by infiltrating stormwater into the native soil beneath the system.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Stormwater Fund	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
	TOTAL	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000

Location Map:



City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Stormwater Fund

Carryover Project #: 15842E

Original Funding Year: 2014-15

General Plan Element Goals: I-9

Project Title: Storm Drain Repairs

Description: Replace various sections of stormwater drain line.

Justification: Video inspection and analysis of the storm drain lines identified in this CIP revealed structural and operational condition assessment Defect Codes of Grade 5 - Defect Requiring Immediate Attention. The methodologies for the Defect Code categories were established by the National Association of Sewer Service Companies Pipeline Assessment and Certification Program. Severity of Defect Codes increases from 1 to 5.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Stormwater Fund	\$ 924,798	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 3,424,798
	TOTAL	\$ 924,798	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 3,424,798

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Stormwater Fund

Carryover Project #: 20401E

Original Funding Year: 2019-20

General Plan Element Goals: I-9

Project Title: CCTV Storm Drain System

Description: Use CCTV to perform an assessment of the City's storm drain system

Justification: CCTV is used to provide video of storm drain systems so that cities can prioritize repairs and replacements.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Stormwater Fund	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
	TOTAL	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Stormwater Fund

Carryover Project #: 18401E

Original Funding Year: 2017-18

General Plan Element Goals: i-9

Project Title: Stormwater Masterplan Update

Description: Last updated in 1996, the proposed update to the masterplan will identify capacity deficiencies and need for future storm drains based on the latest design criteria established by the County.

Justification: The City's current stormwater masterplan was last updated 21 years ago. Since that time, the City has undergone dramatic redevelopment of residential properties, which in turn has affected both drainage patterns and the volume of runoff generated to the storm drain system. An evaluation of storm drain capacity and identification of which pipes need to be upgraded is needed to better protect the community from flooding.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Stormwater Fund	\$ 250,000		\$ -	\$ -	\$ -	\$ -	\$ 250,000
	TOTAL	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000

Location Map:

No map; plan update

**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☐ Carryover Project (Received previous appropriation)
☒ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Stormwater Fund

Carryover Project #: N/A

Original Funding Year: N/A

General Plan Element Goals: I-9

Project Title: Joint Watershed Infiltration Project

Description: Construct a regional stormwater capture and infiltration system.

Justification: This regional project is required as part of the NPDES permit. The funds are required as the city's match for the grant received. Total project cost is approximately \$6 million, and Manhattan Beach's required portion to contribute toward the project is \$500,000.

The system will be installed in a location to be determined; however, due to our watershed our storm water flows into a portion of Hermosa Beach.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Stormwater Fund	\$ -	\$ 500,000	\$ -		\$ -	\$ -	\$ 500,000
	TOTAL	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 500,000

Location

Map:

No map; along Hermosa Beach's Greenbelt only

**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Wastewater Fund

Carryover Project #: 17501E (includes 15844E and 16501E)

Original Funding Year: Ongoing

General Plan Element Goals: I-8

Project Title: Annual Rehabilitation of Gravity Sewer Mains

Description: Rehabilitation or Replacement of Gravity Sewer Mains annually throughout the city.

Justification: The locations for rehabilitation or replacement have been identified by maintenance staff and through CCTV (Closed Circuit Television) inspection. It is critical to maintain the quality and dependability of the city's sewer infrastructure through a routine preventative maintenance process.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Wastewater Fund	\$ 2,560,652	\$ 1,100,000	\$ 1,100,000	\$ 1,100,000	\$ 1,500,000	\$ 1,500,000	\$ 8,860,652
	TOTAL	\$ 2,560,652	\$ 1,100,000	\$ 1,100,000	\$ 1,100,000	\$ 1,500,000	\$ 1,500,000	\$ 8,860,652

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Wastewater Fund

Carryover Project #: 15843E

Original Funding Year: 2014-15

General Plan Element Goals: I-8

Project Title: Poinsettia Sewage Lift Station Replacement and Force Main Replacement

Description: Reconstruction/modification of the Poinsettia Sewage Lift Station and installation of a second force main.

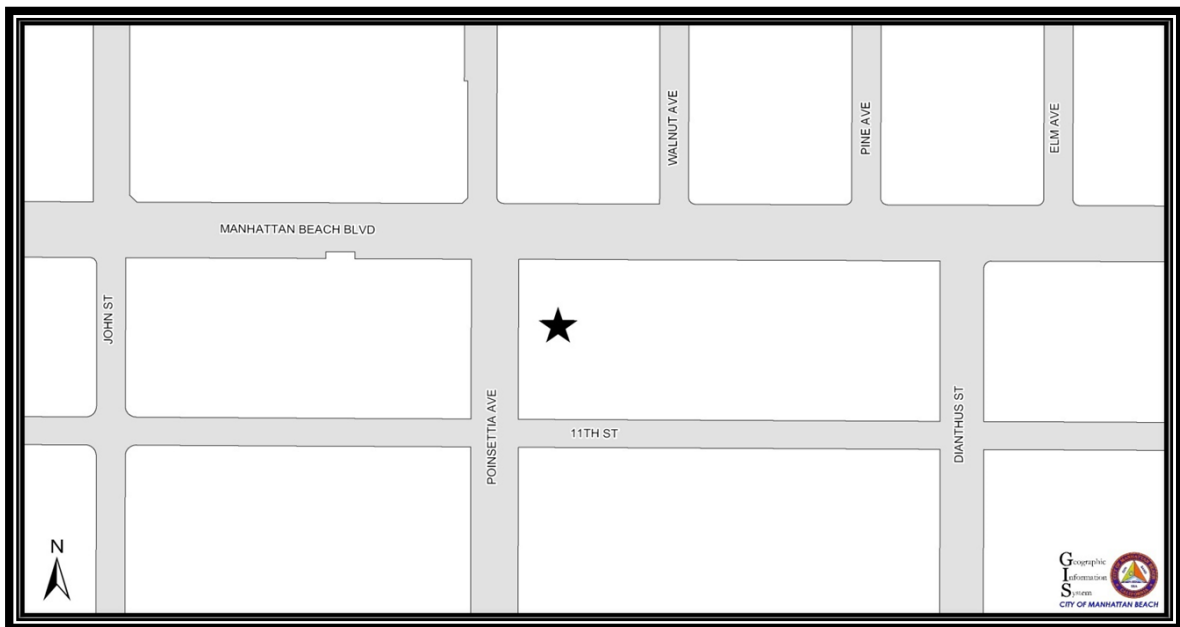
Justification: The Poinsettia Sewage Lift Station has the smallest wet well capacity of any of the City's lift stations. It has only 394 gallons and 4.7 minutes of emergency storage at the peak wet weather flow rate of 85 gpm. Emergency storage for a regular dry day during the morning peak is only 8 minutes. This means that if the station fails, sewage would enter the dry well and disable the electrical systems after just 8 minutes. It is recommended that pump stations be equipped with at least 30 minutes of peak wet weather emergency storage. This station should be equipped with a minimum of 2,550 gallons emergency storage.

To provide the additional storage required, a new and deeper wet well must be constructed. It is possible that the existing dry/wet well could be used as the future dry well; however doing so would reduce the efficiency of the pumps and increase cavitation potential. It is recommended that a completely new station be built adjacent to the existing station that will possess a wet well with adequate emergency storage with a new adjacent drywell containing the pumps and controls.

An additional force main will be installed to provide system redundancy. The new force main would be 4" ductile iron pipe and would run from the station to Manhattan Beach Boulevard where it would discharge into a gravity sewer. The old force main would remain and would be available if the primary force main was damaged.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Wastewater Fund	\$ 3,297,480	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,297,480
	TOTAL	\$ 3,297,480	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,297,480

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Wastewater Fund

Carryover Project #: 19501E

Original Funding Year: 2018-19

General Plan Element Goals: I-8

Project Title: Pacific Lift Station Upgrade, Emergency Storage, and Force Main Replacement

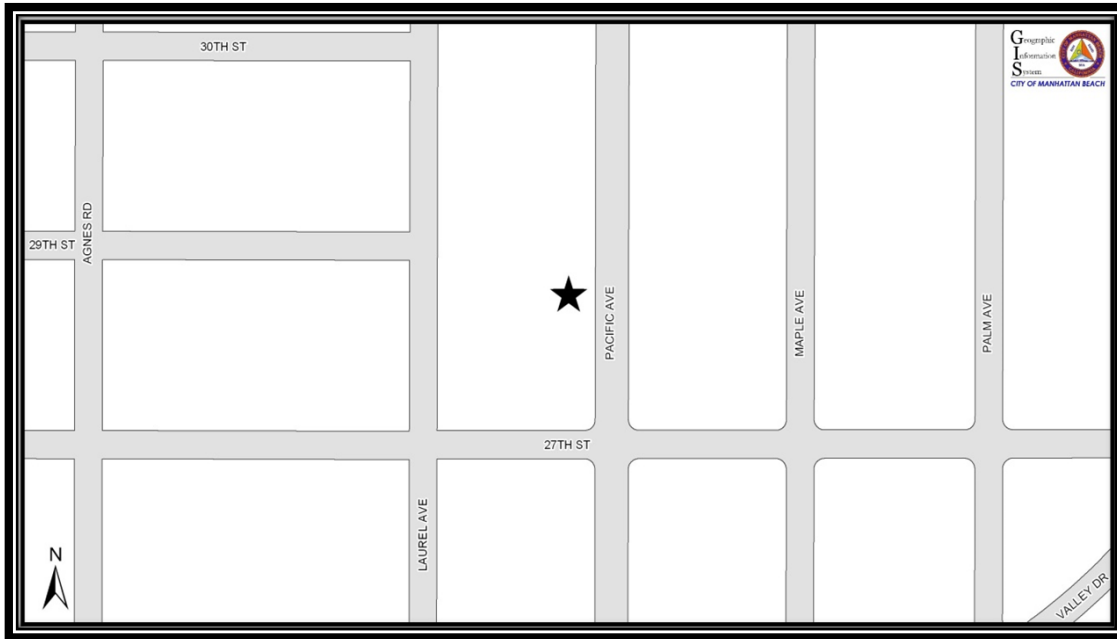
Description: Improvement of the Pacific Avenue Sewage Lift Station and installation of a second force main.

Justification: The Pacific Avenue Lift Station could not pump at the needed rate if one of the two pumps fail or is taken out of service for maintenance. Also, there is not sufficient storage at this location. This project will modify the pumps and controls to accommodate two pumps capable of pumping 400 gallons per minute.

The Pacific Avenue Lift Station currently pumps sewage through a 57-year-old 6" cast iron force main a distance of 1,225 feet to the intersection of Poinsettia Avenue and Ardmore Avenue. This project would construct an additional 6" force main to provide two force mains to serve this station and provide a safety redundancy. Also, appropriate emergency storage will be constructed at the site.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Wastewater Fund	\$ 2,400,000						\$ 2,400,000
	TOTAL	\$ 2,400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,400,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Multiple Funds Wastewater (w/ water)

Carryover Project #: 11838E (WW) and 11834E (Water)

Original Funding Year: 2010-11

General Plan Element Goals:

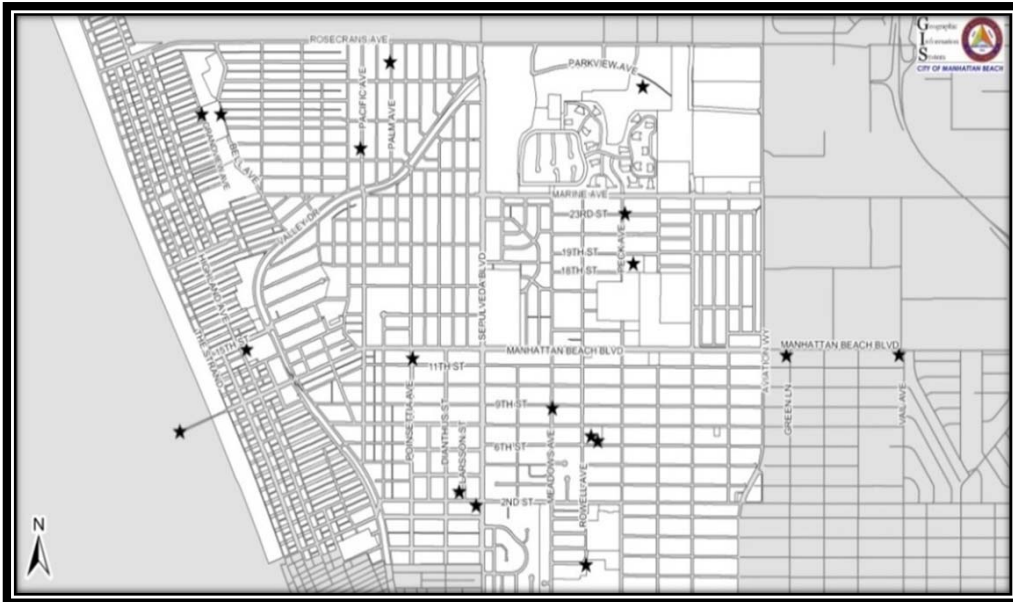
Project Title: Utility Telemetry

Description: Install radio communications to 21 existing water and wastewater stations at the Public Works Maintenance Facility.

Justification: The City monitors the function of 21 critical water and sewer facilities on a continuous basis. Presently, telephone is the only communication mode and there is no back-up system. Redundant communication is critical to assure the function of critical water and sewer facilities. This project establishes a new radio and potential fiber optic communication system installation while maintaining the current telephone system for redundancy.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Wastewater Fund	\$ -	\$ -	\$ -	\$ 75,609	\$ -	\$ -	\$ 75,609
	TOTAL	\$ -	\$ -	\$ -	\$ 75,609	\$ -	\$ -	\$ 75,609

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Wastewater Fund

Carryover Project #: 20501E

Original Funding Year: 2019-20

General Plan Element Goals: I-8

Project Title: Voorhees Lift Station Upgrade, Emergency Storage, and Force Main Replacement

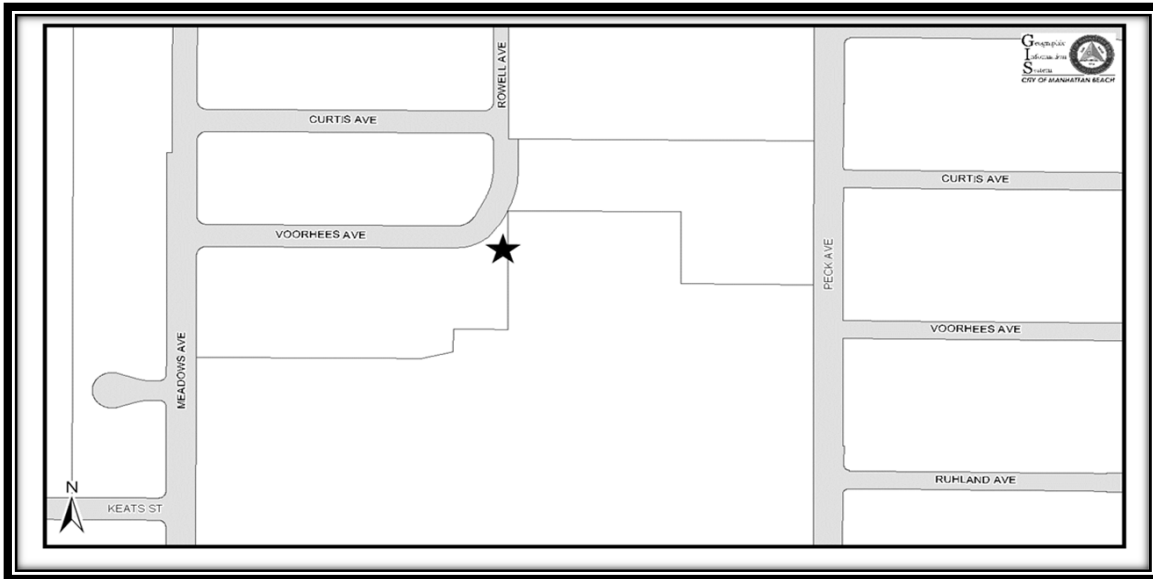
Description: Improvement of the Voorhees Sewage Lift Station and installation of a second force main.

Justification: The Voorhees Lift Station currently cannot pump at the needed rate if one of the two pumps fail or is taken out of service for maintenance. Additionally there is insufficient storage at the station. This project will modify the pumps and controls to accommodate two pumps capable of pumping 350 gallons per minute and will provide additional emergency storage.

The Voorhees Lift Station pumps sewage through a 59-year-old 6" cast iron force main a distance of 1,300 feet to the intersection of Peck and Gates Avenues. This project would construct an additional 6" force main to provide two force mains to serve this station and provide a safety redundancy. Also, appropriate storage will be constructed at this site.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Wastewater Fund	\$ 2,150,000	\$ -	\$ -				\$ 2,150,000
	TOTAL	\$ 2,150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,150,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☐ Carryover Project (Received previous appropriation)
☒ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Wastewater Fund

Carryover Project #: N/A

Original Funding Year: N/A

General Plan Element Goals: I-8

Project Title: Meadows Lift Station Upgrade, Emergency Storage, and Force Main Replacement

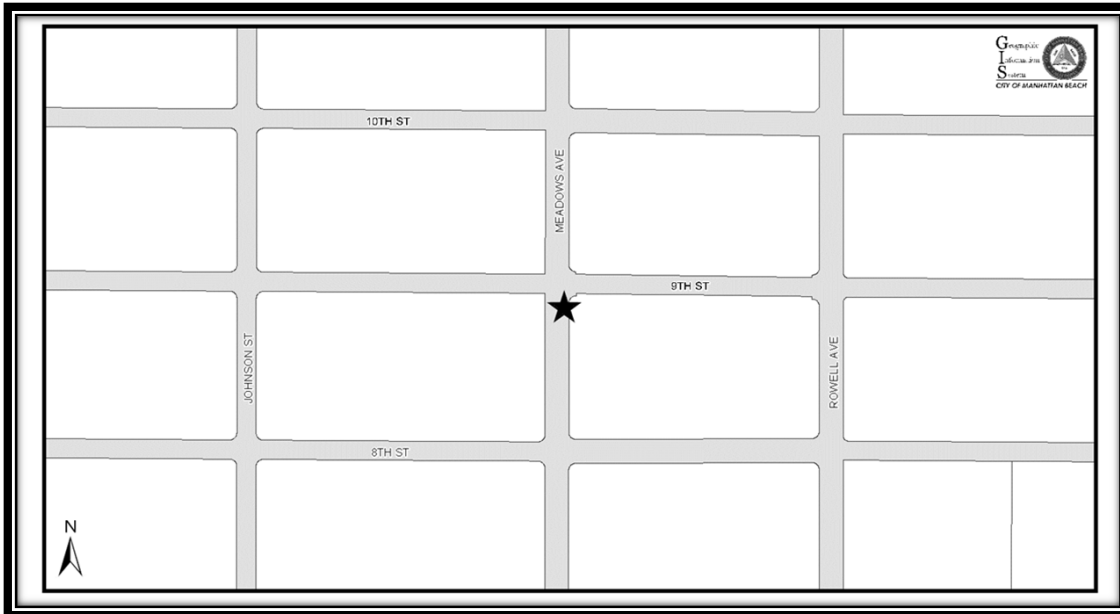
Description: Improvement of the Pacific Avenue Sewage Lift Station and installation of a second force main.

Justification: The Meadows Lift Station is located on Meadows Avenue immediately south of 9th Street. The current station could not pump at the needed rate if one of the two pumps fail or is taken out of service for maintenance. Additionally, there is insufficient storage at the station. This project will modify the pumps and controls to accommodate two pumps capable more efficient pumping and will provide additional emergency storage.

The Meadows Lift Station pumps sewage through a 59-year-old 6" cast iron force main a distance of 760 feet to the intersection of Meadows Avenue at 11th Street. This project would construct an additional 6" force main to provide two force mains to serve this station and provide a safety redundancy. Also, appropriate storage will be constructed at this site.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Wastewater Fund	\$ -	\$ -	\$ -	\$ 1,600,000		\$ -	\$ 1,600,000
	TOTAL	\$ -	\$ -	\$ -	\$ 1,600,000	\$ -	\$ -	\$ 1,600,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☐ Carryover Project (Received previous appropriation)
☒ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Wastewater Fund

Carryover Project #: N/A

Original Funding Year: N/A

General Plan Element Goals: I-8, I-11

Project Title: Wastewater Masterplan Update

Description: Last updated in 2010, the masterplan is a guidance document for infrastructure and operations, and the system capacity and hydraulic assessment citywide.

Justification: This update is necessary to revisit and readjust citywide plans for improvements for the next 10 years based on demands and condition of the important aging infrastructure.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Wastewater Fund	\$ -	\$ 300,000	\$ -			\$ -	\$ 300,000
	TOTAL	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000

Location Map:

No map; plan update

**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☐ Carryover Project (Received previous appropriation)
☒ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Wastewater Fund

Carryover Project #: N/A

Original Funding Year: N/A

General Plan Element Goals: I-8

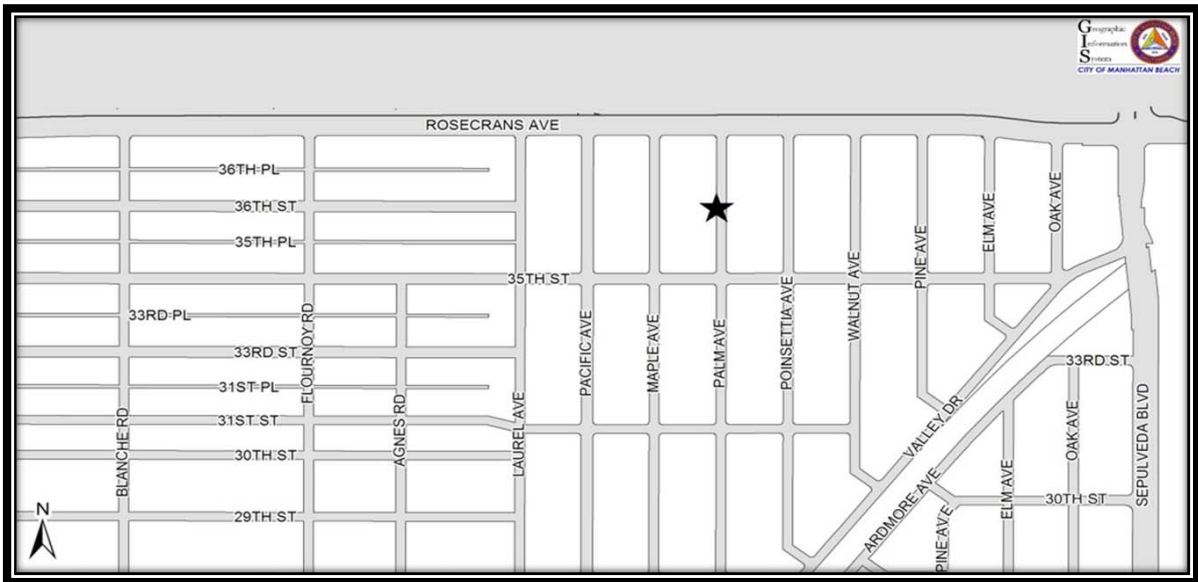
Project Title: Palm Lift Station Upgrade, Emergency Storage, and Force Main Replacement

Description: Improvement of the Palm Lift Station and construction of emergency storage.
 Build 5,500 gallon sewer wet well and 775 foot long force main.

Justification: The Palm Lift station cannot pump at the needed rate and cannot accommodate the necessary materials for storage. The current wet well is not of adequate size to accommodate peak wet weather flow and the current force main is over 60 years old and has exceeded its useful-life. This project would construct an approximate 5,500 gallon sewer wet well and 775 foot long force main to increase efficiencies.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Wastewater Fund	\$ -	\$ -	\$ -	\$ 1,400,000	\$ -		\$ 1,400,000
	TOTAL	\$ -	\$ -	\$ -	\$ 1,400,000	\$ -	\$ -	\$ 1,400,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☐ Carryover Project (Received previous appropriation)
☒ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Wastewater Fund

Carryover Project #: N/A

Original Funding Year: N/A

General Plan Element Goals: I-8, I-11

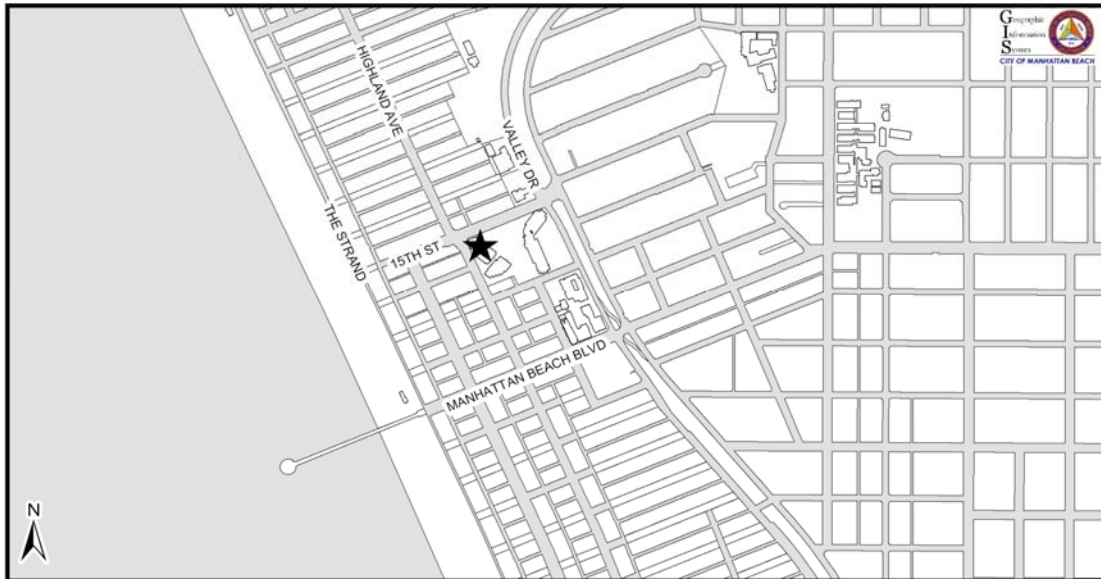
Project Title: City Hall Lift Station Upgrade, Emergency Storage, and Force Main Replacement

Description: Replacement and upgrade of the City Hall Lift Station and force main and construction of emergency storage. The project includes two new, more efficient, pumps and motors, motor controls, wiring and new SCADA equipment.

Justification: The City Hall Lift station is located on the lower level of City Hall and is reaching its useful life. The pumps, motors, and related equipment need to be replaced to ensure its reliability.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Wastewater Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000
	TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Parking Fund

Carryover Project #: 18701E

Original Funding Year: 2017-18

General Plan Element Goals: LU-3, CS-1

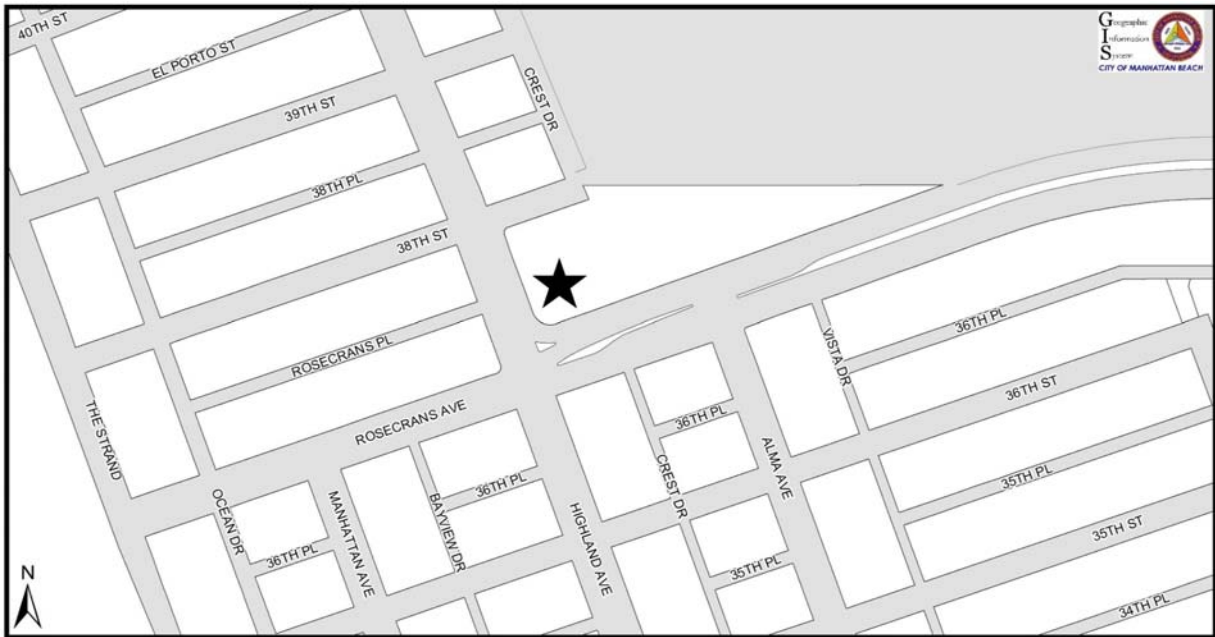
Project Title: Parking Structure Structural Rehab: Lot 4

Description: Perform in-depth analysis of parking lot 4 to determine whether the structure can be rehabilitated or require complete replacement. This analysis will also look at various options if replacement is necessary or preferred to expand parking spaces.

Justification: The structure is reaching the end of its useful life and must be evaluated for significant retrofit or replacement for the safety of the public. Clearly the structure is showing visible deterioration needing attention.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Parking Fund	\$ 642,358	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 642,358
	TOTAL	\$ 642,358	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 642,358

Location Map:



City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets

Category:

- ☐ Carryover Project (Received previous appropriation)
☒ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Parking Fund

Carryover Project #: N/A

Original Funding Year: N/A

General Plan Element Goals: LU-3, CS-1

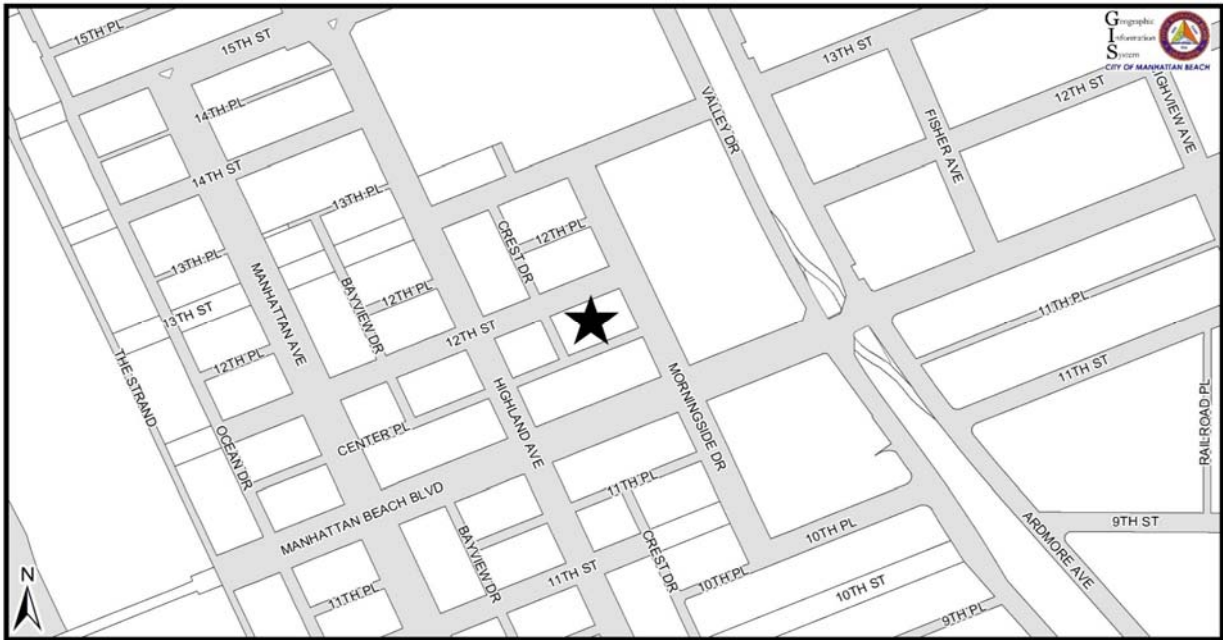
Project Title: Parking Structure Structural Analysis/Design: Lot 3

Description: Perform in-depth analysis of parking lot 3 to determine whether the structure can be rehabilitated or require complete replacement. This analysis will also look at various options if replacement is necessary or preferred to expand parking spaces.

Justification: The structure is reaching its useful life and must be evaluated for significant retrofit or replacement for the safety of the public. Clearly the structure is showing visible deterioration needing attention.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Parking Fund		\$ -	\$ -	\$ 150,000	\$ 800,000	\$ -	\$ 950,000
	TOTAL		\$ -	\$ -	\$ 150,000	\$ 800,000	\$ -	\$ 950,000

Location Map:



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: Parking Fund

Carryover Project #: 15832E

Original Funding Year: 2014-15

General Plan Element Goals: LU-3.4, I-1, I-2.3, I-6

Project Title: Way Finding Program (Phase I)

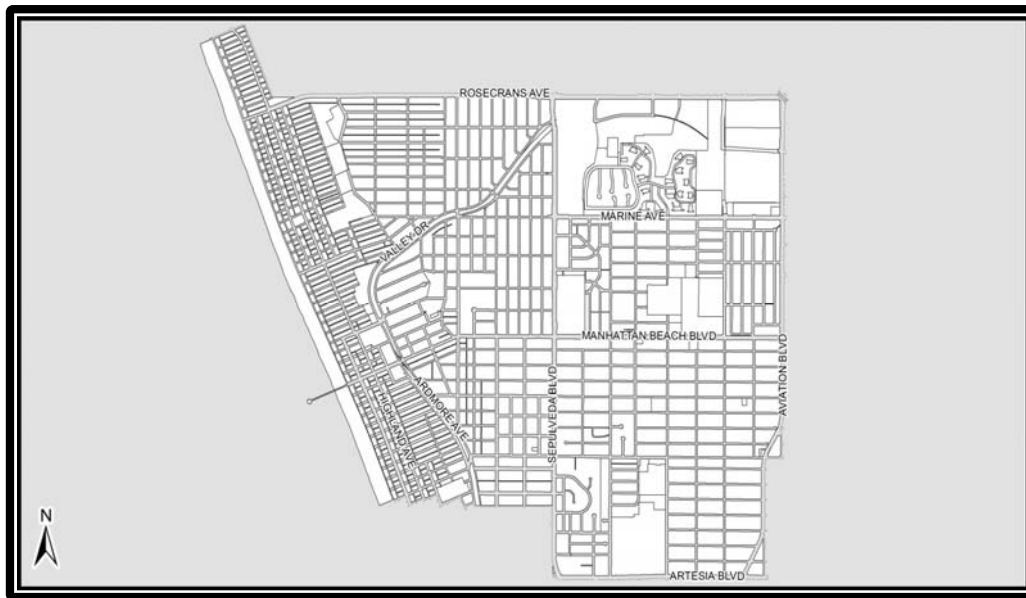
Description: Uniform sign design to be employed Citywide.

Justification: Current signs are a mix of "one-off" custom designs, departmental brandings, and standard regulatory style signs. In order to provide uniformity and location familiarity while in and around City of Manhattan Beach facilities, standardized layout, color, sizing, typeface/font, and logo/branding is desirous. Residents and visitors alike should be able to readily identify City owned and operated facilities.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	Parking Fund	\$ 347,184	\$ -	\$ -	\$ -			\$ 347,184
	TOTAL	\$ 347,184	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 347,184

Location Map:

Signs evaluated Citywide.



**City of Manhattan Beach
Capital Improvement Plan FY2021-2025
Summary Sheets**

Category:

- ☒ Carryover Project (Received previous appropriation)
☐ New Project (Funding identified, not yet appropriated)
☐ Unfunded Project (Funding not available at this time)

Funding Source: State Pier & Parking Fund

Carryover Project #: 19801E

Original Funding Year: 2018-19

General Plan Element Goals: CR-1

Project Title: Pier Railings Project

Description: Rehabilitate and Replace affected sections of the railings along the Manhattan Beach Pier.

Justification: The harsh marine environment is causing significant corrosion to the railings and deterioration of the railing curbs.

Project Cost Information:	Funding Source(s):	Remaining Allocation as of 02-29-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	TOTAL
	State Pier Fund	\$ 150,084	\$ -	\$ 1,400,000	\$ -	\$ -		\$ 1,550,084
	TOTAL	\$ 150,084	\$ -	\$ 1,400,000	\$ -	\$ -	\$ -	\$ 1,550,084

Location Map:

