

City of Manhattan Beach  
CIP 2020-2024 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

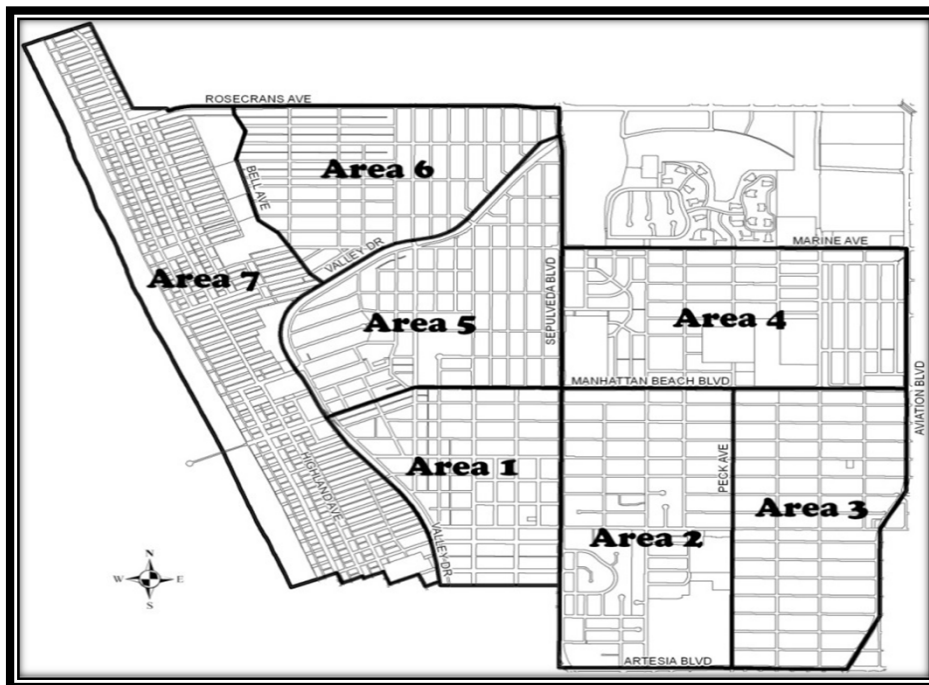
**Project Title:** Annual Curb, Gutter and Ramp Replacement Project

**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 02-28-19 | FY2019-20         | FY2020-21         | FY2021-22         | FY2022-23         | FY2023-24         | TOTAL               |
|---------------------------|--------------------|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
|                           | Streets & Highway  | \$ 766,003                          | \$ 300,000        | \$ 365,000        | \$ 365,000        | \$ 365,000        | \$ 365,000        | \$ 2,526,003        |
|                           | <b>TOTAL</b>       | <b>\$ 766,003</b>                   | <b>\$ 300,000</b> | <b>\$ 365,000</b> | <b>\$ 365,000</b> | <b>\$ 365,000</b> | <b>\$ 365,000</b> | <b>\$ 2,526,003</b> |

**Location Map:**



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- ☒ Carryover Project (Received previous appropriation)  
☐ New Project (Funding identified, not yet appropriated)  
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**Funding Source:** Street & Highways

**Carryover Project #:** 19103e

**Original Funding Year:** 2018-19

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

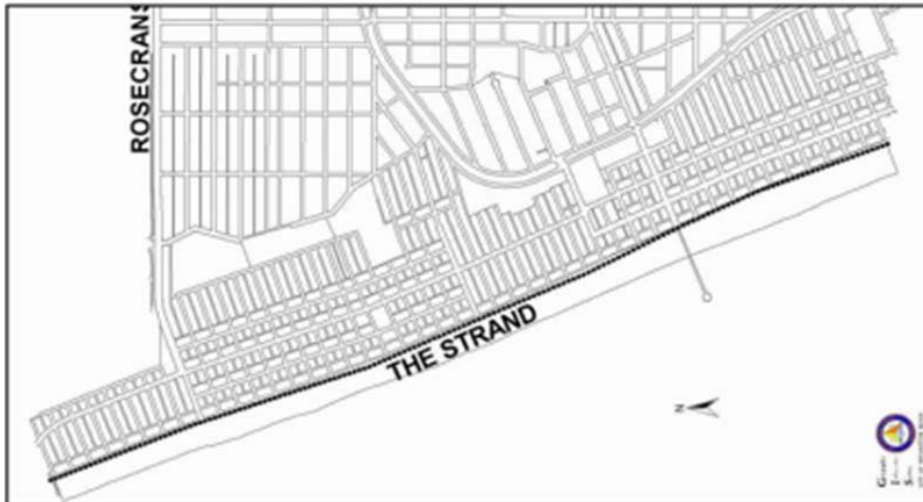
**Project Title:** The Strand Resurfacing Project

**Description:** Resurfacing of The Strand concrete surface.

**Justification:** The existing concrete walking surface has become noticeably much smoother over time resulting in slick conditions under certain circumstances. Multiple resident have complained of slick conditions. The project will to increase surface traction for pedestrians via various construction methods i.e. sandblasting etc.

| Project Cost Information: | Funding Source(s): | Remaining Allocation as of 02-28-19 | FY2019-20 | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-----------|-------------|-------------|-------------|-------------|-------------------|
|                           | Streets & Highway  | \$ 200,000                          |           |             | \$ -        | \$ -        | \$ -        | \$ 200,000        |
|                           | <b>TOTAL</b>       | <b>\$ 200,000</b>                   |           | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 200,000</b> |

**Location Map:**



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☐ 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

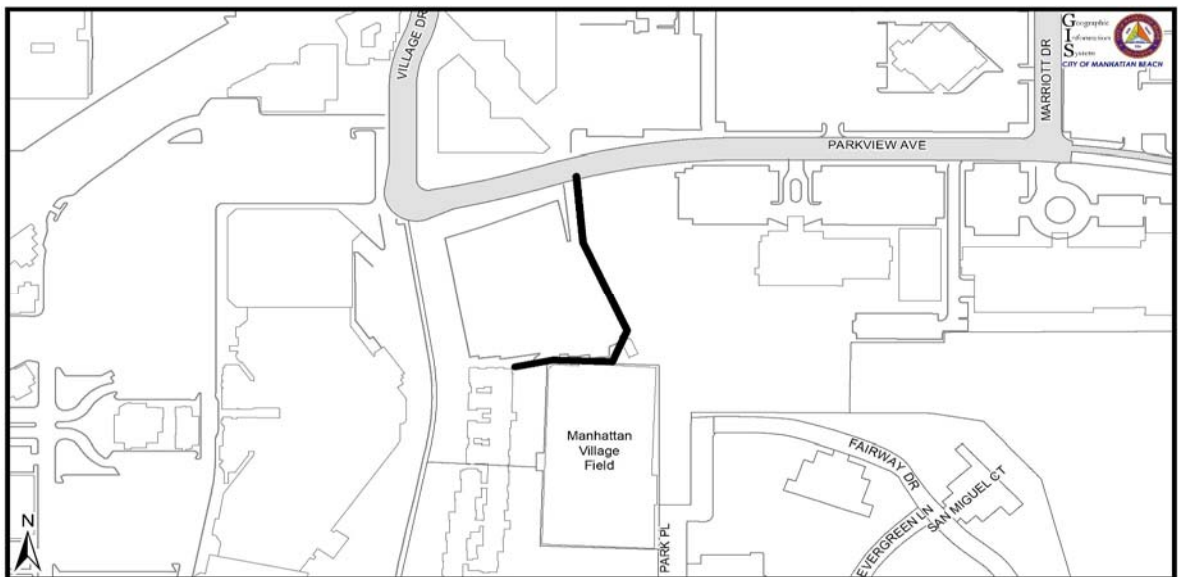
**Project Title:** Village Field ADA Access: Design

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | Streets & Highway  | \$ 100,000                          |             |             | \$ -        | \$ -        | \$ -        | \$ 100,000        |
|                           | <b>TOTAL</b>       | <b>\$ 100,000</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 100,000</b> |

**Location Map:**



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- ☒ Carryover Project (Received previous appropriation)  
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☐ 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

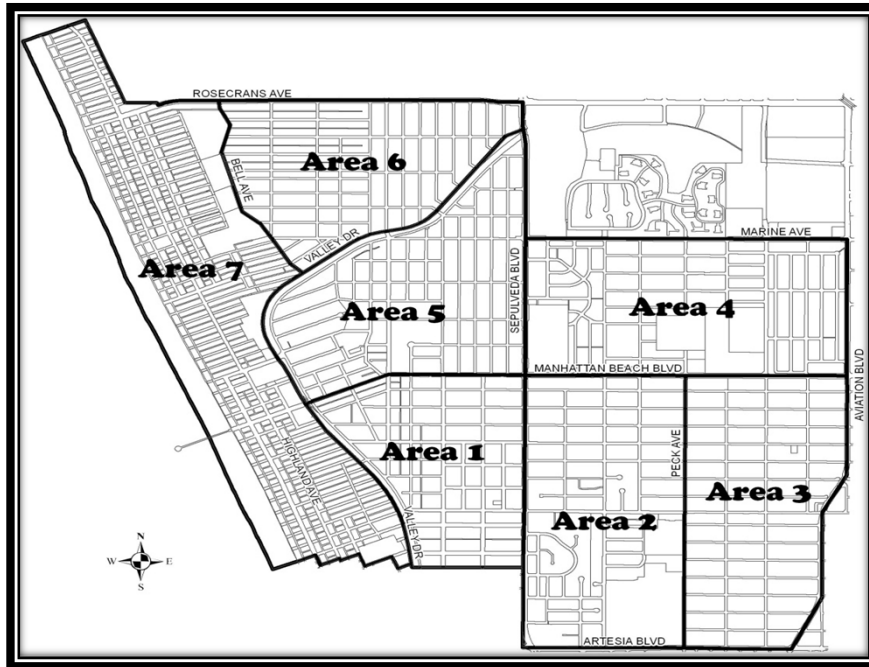
**Project Title:** Annual Slurry Seal Program

**Description:** Annual 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 02-28-19 | FY2019-20   | FY2020-21         | FY2021-22         | FY2022-23         | FY2023-24         | TOTAL               |
|---------------------------|--------------------|-------------------------------------|-------------|-------------------|-------------------|-------------------|-------------------|---------------------|
|                           | Gas Tax            | \$ 1,155,000                        | \$ -        | \$ 585,000        | \$ 385,000        | \$ 385,000        | \$ 385,000        | \$ 2,895,000        |
|                           | <b>TOTAL</b>       | <b>\$ 1,155,000</b>                 | <b>\$ -</b> | <b>\$ 585,000</b> | <b>\$ 385,000</b> | <b>\$ 385,000</b> | <b>\$ 385,000</b> | <b>\$ 2,895,000</b> |

**Location Map:**





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**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 St/Hwy, Prop C, Msr R & M

**Carryover Project #:** 19102E

**Original Funding Year:** 2018-19

**General Plan Element Goals:** I-1

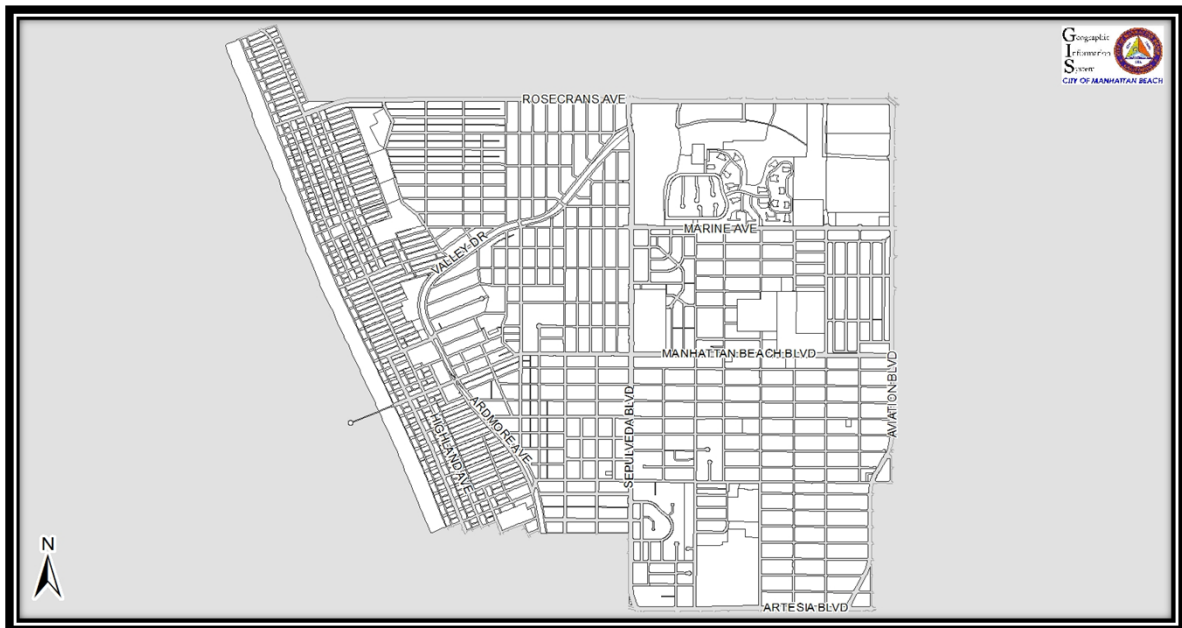
**Project Title:** Annual Residential Street Resurfacing Program

**Description:** The project will mill and overlay the pavement surface and replace displaced curbs, gutters, and sidewalk.

**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 02-28-19 | FY2019-20         | FY2020-21           | FY2021-22           | FY2022-23           | FY2023-24           | TOTAL               |
|---------------------------|--------------------|-------------------------------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                           | Streets & Hwy Fund | \$ 375,000                          | \$ 500,000        |                     | \$ 1,000,000        |                     | \$ 1,000,000        | \$ 2,875,000        |
|                           | Prop C             | \$ 700,000                          | \$ 400,000        | \$ 800,000          |                     | \$ 1,200,000        |                     | \$ 3,100,000        |
|                           | Measure R          |                                     |                   | \$ 400,000          |                     | \$ 800,000          |                     | \$ 1,200,000        |
|                           | Measure M          |                                     |                   |                     | \$ 600,000          |                     | \$ 800,000          | \$ 1,400,000        |
|                           | <b>TOTAL</b>       | <b>\$ 1,075,000</b>                 | <b>\$ 900,000</b> | <b>\$ 1,200,000</b> | <b>\$ 1,600,000</b> | <b>\$ 2,000,000</b> | <b>\$ 1,800,000</b> | <b>\$ 8,575,000</b> |

**Location Map:**



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☐ New Project (Funding identified, not yet appropriated)  
☐ Unfunded Project (Funding not available at this time)

**Funding Source:** Multiple Funds St & Hwy and Prop C

**Carryover Project #:** 16101E

**Original Funding Year:** 2015-16

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

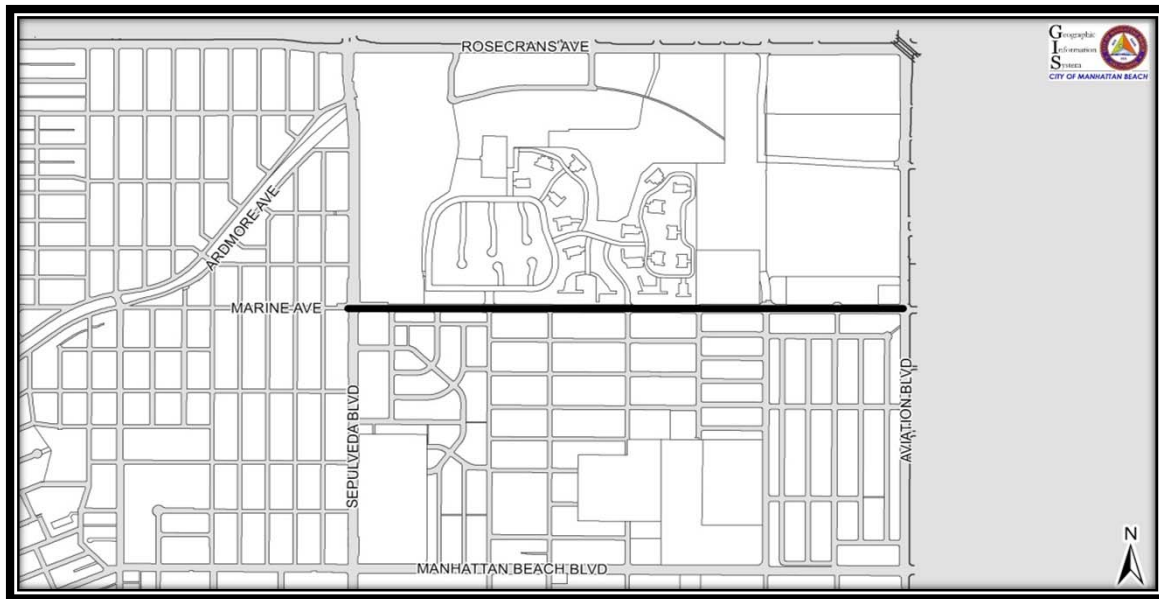
**Project Title:** Street Resurfacing Project: Marine Avenue (Sepulveda Boulevard to Aviation Boulevard)

**Description:** The project will mill and overlay the pavement surface, replace displaced curbs, gutters and sidewalk to extend the pavement useful life on Marine Avenue from Sepulveda Boulevard 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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL               |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
|                           | Streets & Highway  | \$ 598,259                          | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 598,259          |
|                           | Prop C             | \$ 450,414                          |             |             |             |             |             | \$ 450,414          |
|                           | <b>TOTAL</b>       | <b>\$ 1,048,673</b>                 | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,048,673</b> |

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**Funding Source:** Street & Highways

**Carryover Project #:** 15822E

**Original Funding Year:** 2014-15

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

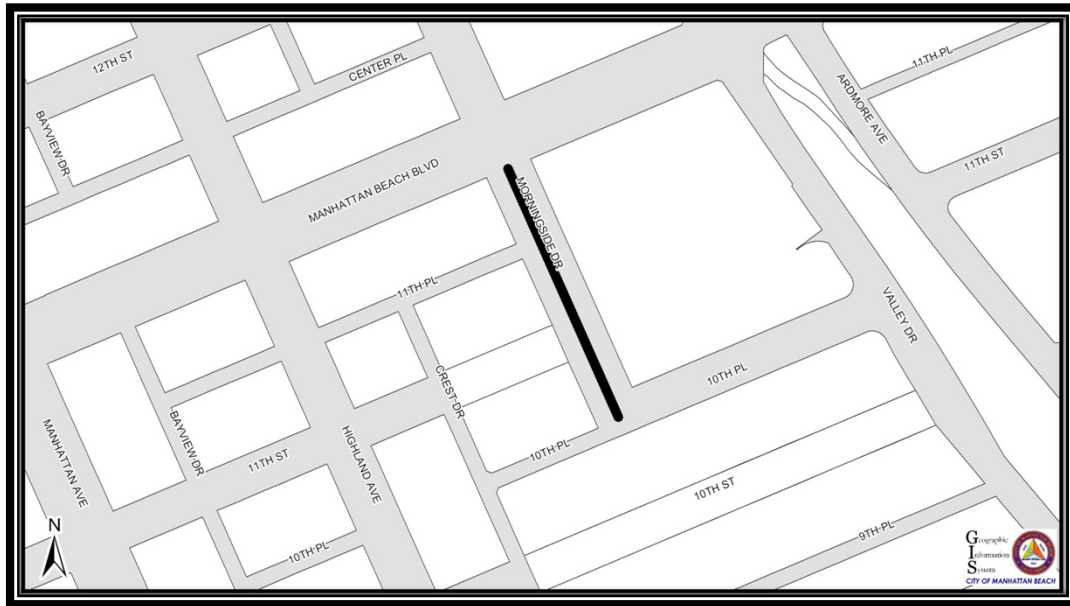
**Project Title:** Morningside Drive Rehabilitation

**Description:** The project will rehabilitate the pavement surface and replace displaced curbs, gutters and ramps on Morningside Drive from 10th Place to Manhattan Beach Blvd.

**Justification:** The existing pavement on Morningside Drive within the project limits is deteriorated and rehabilitation is required.

| Project Cost Information: | Funding Source(s): | Remaining Allocation as of 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | Streets & Hwy Fund | \$ 199,368                          | \$ -        |             | \$ -        | \$ -        | \$ -        | \$ 199,368        |
|                           | <b>TOTAL</b>       | <b>\$ 199,368</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 199,368</b> |

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☐ 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 02-28-19 | FY2019-20 | FY2020-21 | FY2021-22 | FY2022-23 | FY2023-24 | TOTAL     |
|---------------------------|--------------------|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                           |                    |                                     |           |           |           |           |           |           |
|                           | Streets & Hwy Fund |                                     | \$ -      | \$ 40,000 | \$ -      | \$ -      | \$ -      | \$ 40,000 |
|                           | <b>TOTAL</b>       |                                     | \$ -      | \$ 40,000 | \$ -      | \$ -      | \$ -      | \$ 40,000 |

**Location Map:**

No map, system update

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☐ 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

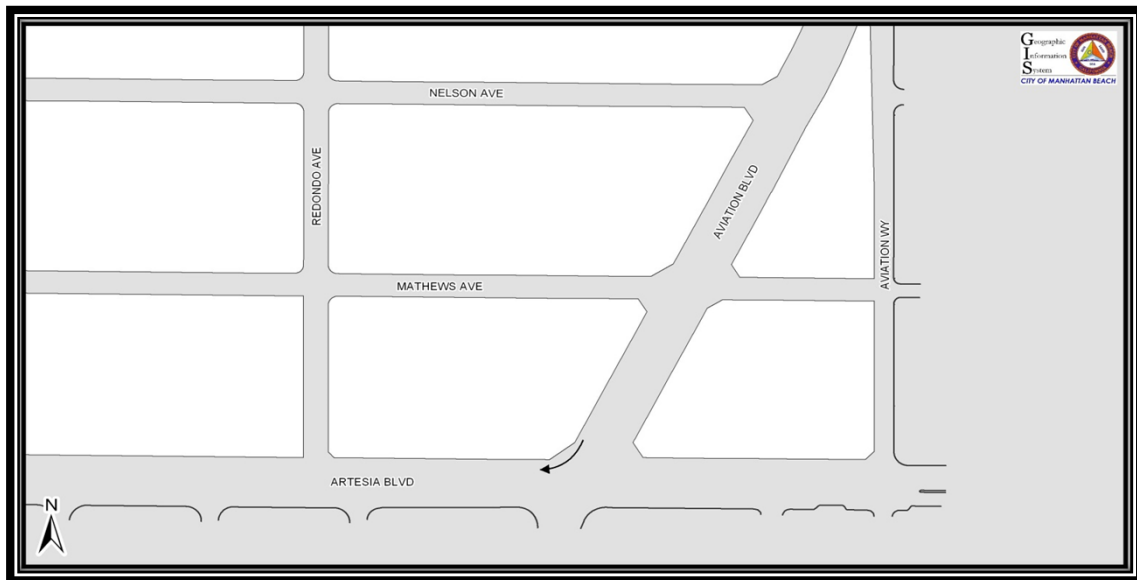
**Project Title:** Aviation Boulevard at Artesia Boulevard Southbound to Westbound Right-Turn Lane (SBHP Grant)

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL               |
|---------------------------|-------------------------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
|                           | Streets & Hwy Fund (and SBHP Grant) | \$ 1,349,066                        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 1,349,066        |
|                           | <b>TOTAL</b>                        | <b>\$ 1,349,066</b>                 | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,349,066</b> |

**Location Map:**



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☐ 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)

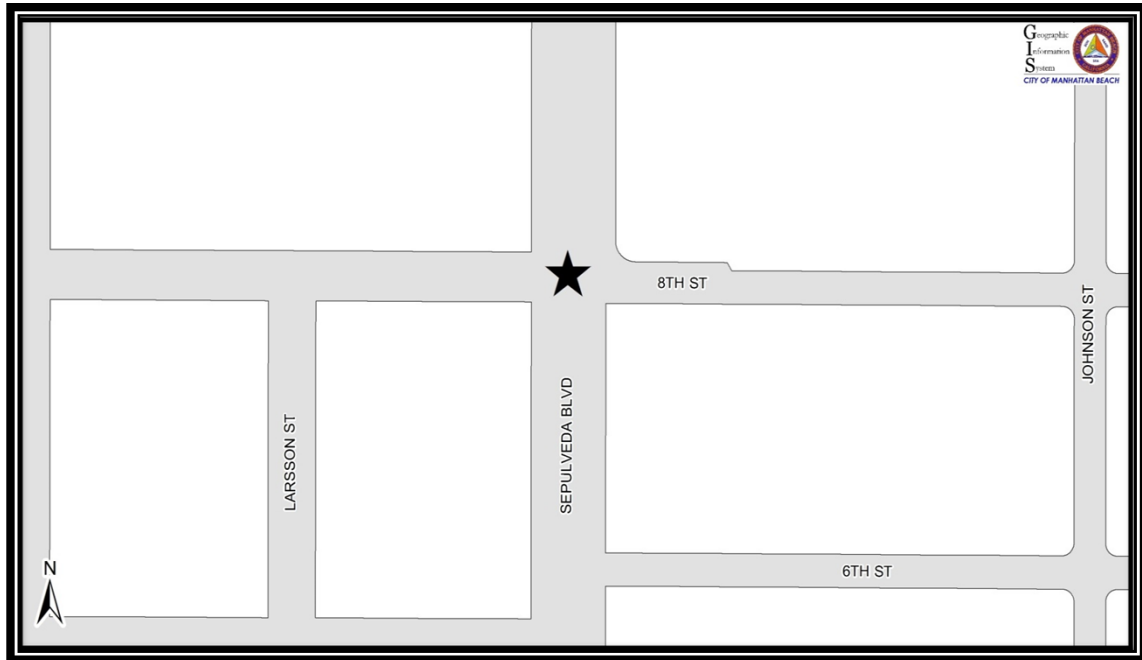
**Description:** Upgrade traffic signals, install protected left-turn phasing and construct curb ramps to comply with current ADA standards.

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| Streets & Hwy Fund (HSIP Grant) | \$ 212,458                          | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 212,458        |
| <b>TOTAL</b>                    | <b>\$ 212,458</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 212,458</b> |

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☐ Unfunded Project (Funding not available at this time)

**Funding Source:** Multiple Funds St & Hwy and Prop C

**Carryover Project #:** 16101E

**Original Funding Year:** 2015-16

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

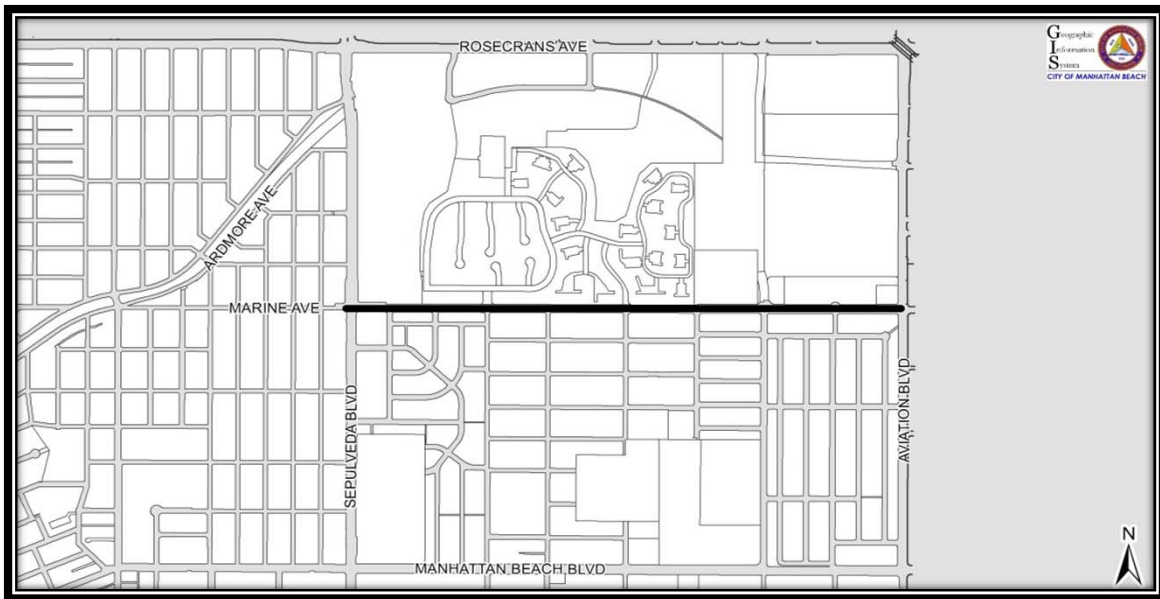
**Project Title:** Street Resurfacing Project: Marine Avenue (Sepulveda Boulevard to Aviation Boulevard)

**Description:** The project will mill and overlay the pavement surface, replace displaced curbs, gutters and sidewalk to extend the pavement useful life on Marine Avenue from Sepulveda Boulevard 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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL               |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
|                           | Streets & Highway  | \$ 598,259                          | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 598,259          |
|                           | Prop C             | \$ 450,414                          |             |             |             |             |             | \$ 450,414          |
|                           | <b>TOTAL</b>       | <b>\$ 1,048,673</b>                 | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,048,673</b> |

**Location Map:**



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☐ New Project (Funding identified, not yet appropriated)  
☐ Unfunded Project (Funding not available at this time)

**Funding Source:** Multiple Funds St/Hwy, Prop C, Msr R & M

**Carryover Project #:** 19102E

**Original Funding Year:** 2018-19

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

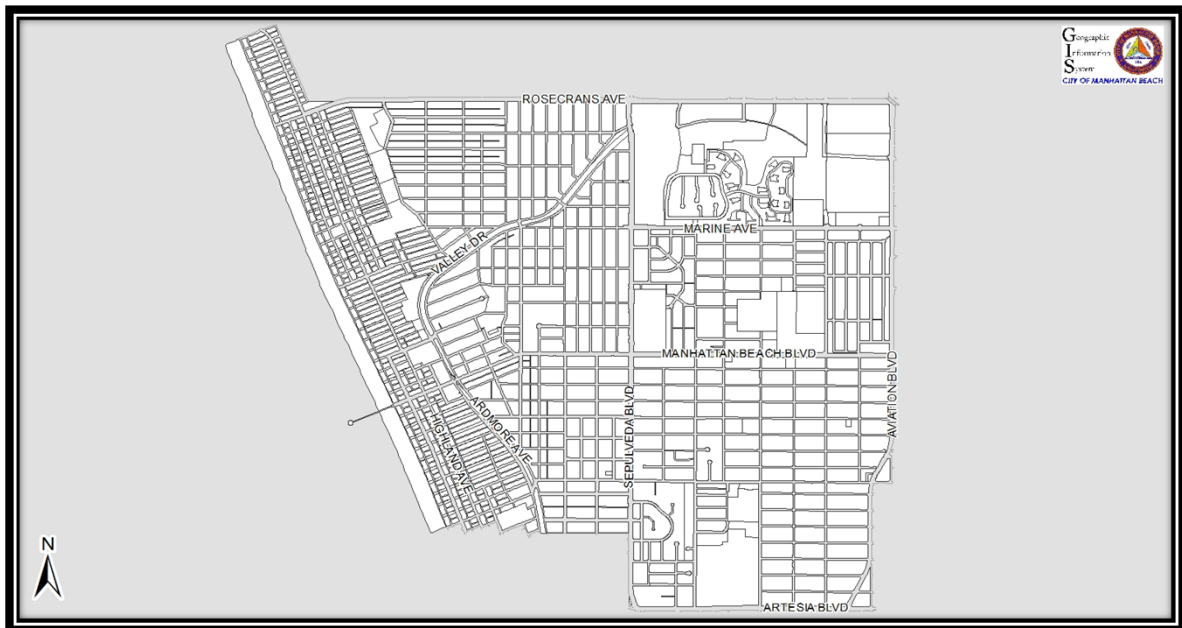
**Project Title:** Annual Residential Street Resurfacing Program

**Description:** The project will mill and overlay the pavement surface and replace displaced curbs, gutters, and sidewalk.

**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 02-28-19 | FY2019-20         | FY2020-21           | FY2021-22           | FY2022-23           | FY2023-24           | TOTAL               |
|---------------------------|--------------------|-------------------------------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                           | Streets & Hwy Fund | \$ 375,000                          | \$ 500,000        |                     | \$ 1,000,000        |                     | \$ 1,000,000        | \$ 2,875,000        |
|                           | Prop C             | \$ 700,000                          | \$ 400,000        | \$ 800,000          |                     | \$ 1,200,000        |                     | \$ 3,100,000        |
|                           | Measure R          |                                     |                   | \$ 400,000          |                     | \$ 800,000          |                     | \$ 1,200,000        |
|                           | Measure M          |                                     |                   |                     | \$ 600,000          |                     | \$ 800,000          | \$ 1,400,000        |
|                           | <b>TOTAL</b>       | <b>\$ 1,075,000</b>                 | <b>\$ 900,000</b> | <b>\$ 1,200,000</b> | <b>\$ 1,600,000</b> | <b>\$ 2,000,000</b> | <b>\$ 1,800,000</b> | <b>\$ 8,575,000</b> |

**Location Map:**





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☐ 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)

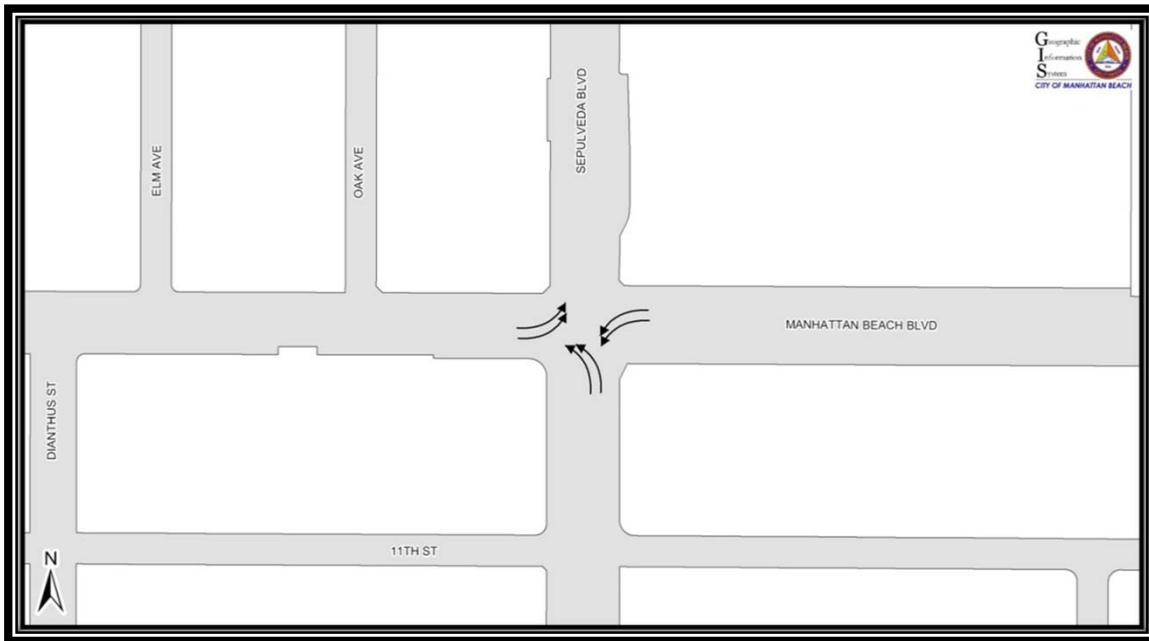
**Description:** Widening and restriping of the intersection of Sepulveda Boulevard at Manhattan Beach Boulevard to provide Westbound to Southbound, Eastbound to Northbound and Northbound to Westbound Left-Turn Lanes.

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL               |
|----------------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Proposition C (SBHP Grant) | \$ 1,244,681                        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 1,244,681        |
| <b>TOTAL</b>               | <b>\$ 1,244,681</b>                 | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,244,681</b> |

**Location  
Map:**



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☐ Unfunded Project (Funding not available at this time)

**Funding Source:** Proposition C Lc 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

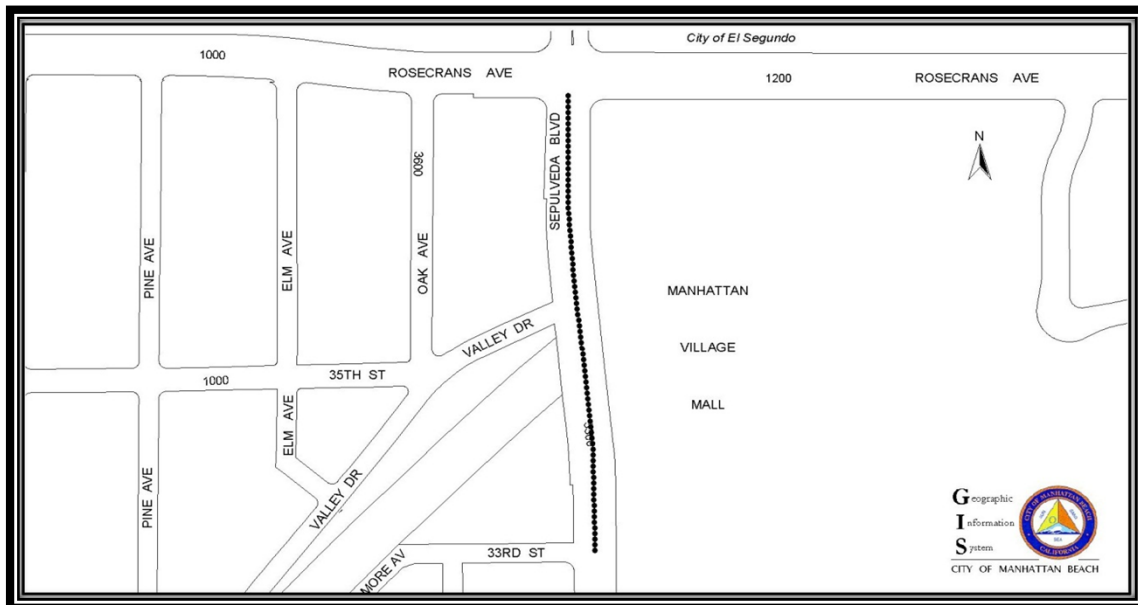
**Project Title:** Sepulveda Bridge Widening Project

**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 Allocation as of 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL                |
|---------------------------|--------------------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|----------------------|
|                           |                                | Remaining funds as of 02-28-19      |             |             |             |             |             |                      |
|                           | Proposition C (SBHP Grant)     | \$ 8,692,678                        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 8,692,678         |
|                           | Proposition C (MTA Call Grant) | \$ 6,697,261                        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 6,697,261         |
|                           | Proposition C (Prop C Local)   | \$ 2,632,251                        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 2,632,251         |
|                           | <b>TOTAL</b>                   | <b>\$ 18,022,190</b>                | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 18,022,190</b> |

**Location Map:**



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☐ 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.

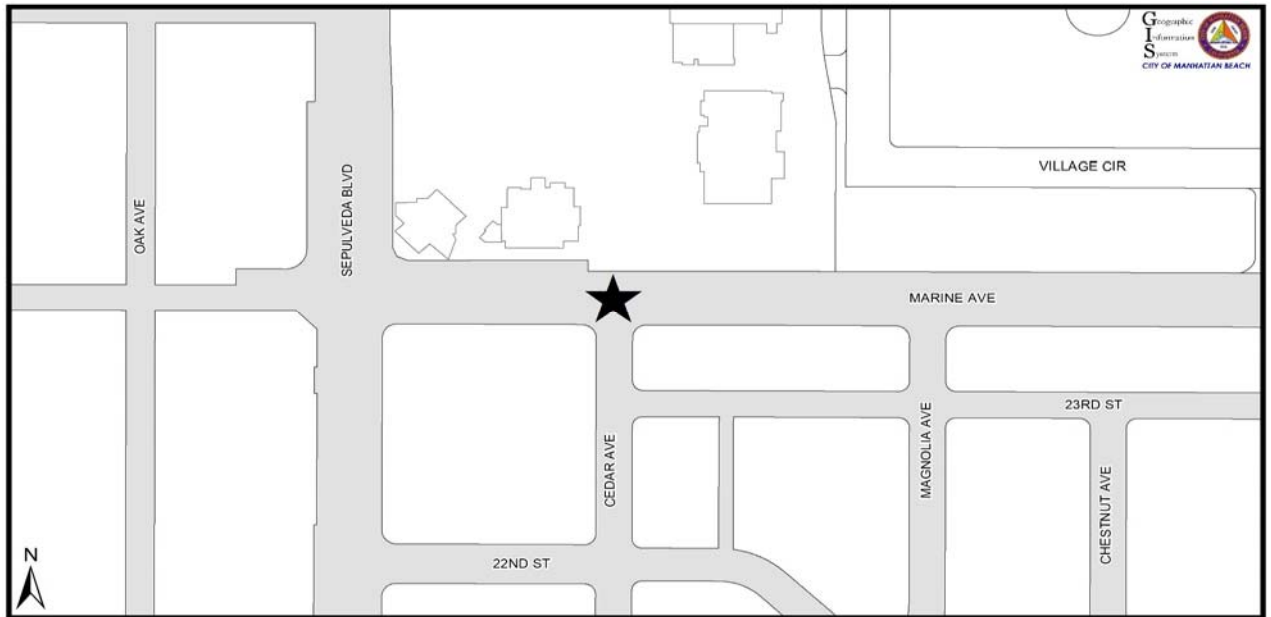
| Project Cost Information: | Funding Source(s):         | Remaining Allocation as of 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|----------------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | Proposition C (SBHP Grant) | \$ 985,440                          | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 985,440        |
|                           | <b>TOTAL</b>               | <b>\$ 985,440</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 985,440</b> |

**Location Map:**

Map located on next page

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

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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 Msr R and Msr M

**Carryover Project #:** 15825E

**Original Funding Year:** 2014-15

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

**Project Title:** Street Resurfacing Project: Liberty Village

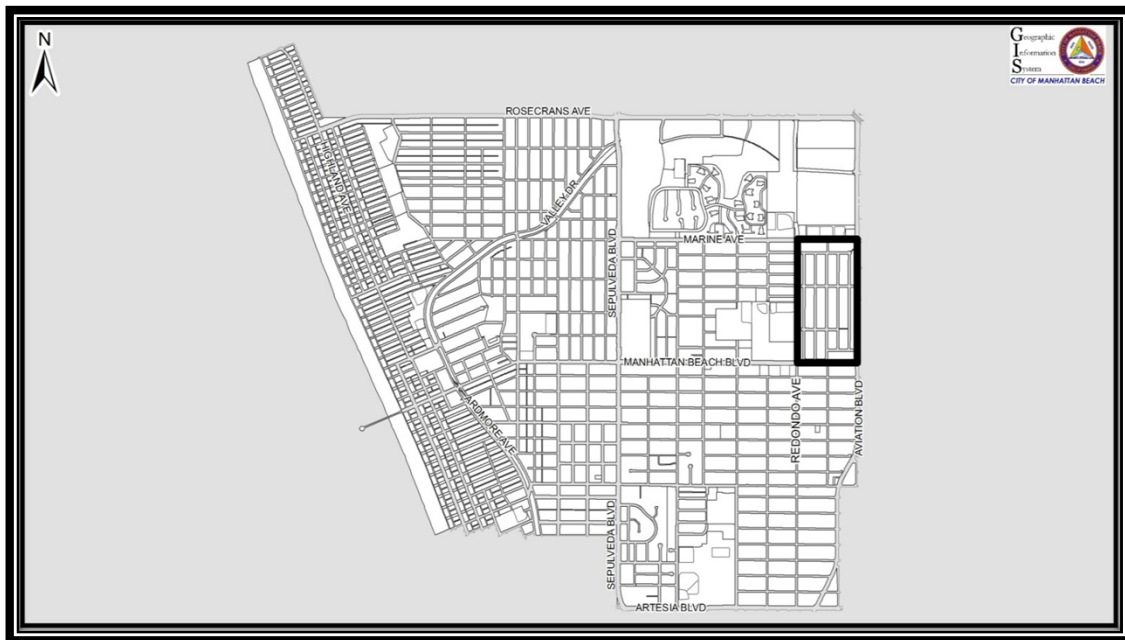
**Description:** Cold mill of 2 1/2" of existing asphalt and a new asphalt overlay; full depth removal and replacement of miscellaneous failed areas; replacement of all displaced curb and gutter; replacement of striping and pavement markings.

**Justification:** The recent Pavement Management study has identified streets in the Liberty Village area as "Poor." The streets in this area were originally constructed in the 1950's and show signs of severe "alligator cracking." City Staff often perform street maintenance repairs in this area.

| Project Cost Information: | Funding Source(s):     | Remaining Allocation as of 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL               |
|---------------------------|------------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
|                           | Measure R Local Return | \$ 748,905                          | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 748,905          |
|                           | Measure M Local Return | \$ 275,000                          |             |             |             |             |             | \$ 275,000          |
|                           | <b>TOTAL</b>           | <b>\$ 1,023,905</b>                 | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,023,905</b> |

**Location**

**Map:**



City of Manhattan Beach  
CIP 2020-2024 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 St/Hwy, Prop C, Msr R & M

**Carryover Project #:** 19102E

**Original Funding Year:** 2018-19

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

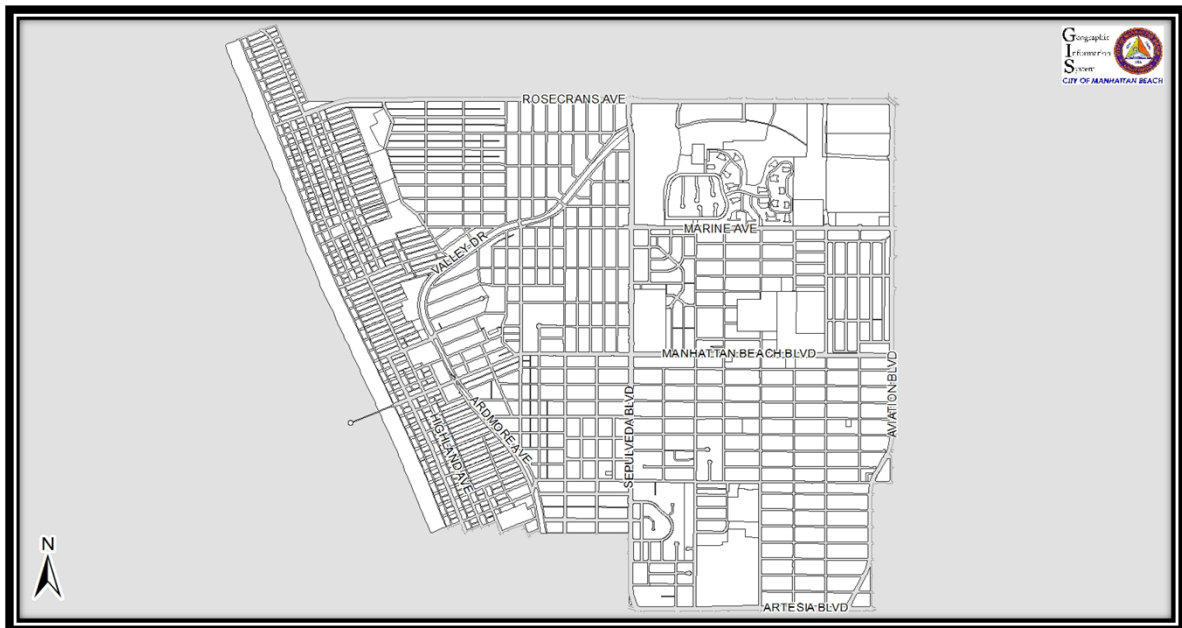
**Project Title:** Annual Residential Street Resurfacing Program

**Description:** The project will mill and overlay the pavement surface and replace displaced curbs, gutters, and sidewalk.

**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 02-28-19 | FY2019-20         | FY2020-21           | FY2021-22           | FY2022-23           | FY2023-24           | TOTAL               |
|---------------------------|--------------------|-------------------------------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                           | Streets & Hwy Fund | \$ 375,000                          | \$ 500,000        |                     | \$ 1,000,000        |                     | \$ 1,000,000        | \$ 2,875,000        |
|                           | Prop C             | \$ 700,000                          | \$ 400,000        | \$ 800,000          |                     | \$ 1,200,000        |                     | \$ 3,100,000        |
|                           | Measure R          |                                     |                   | \$ 400,000          |                     | \$ 800,000          |                     | \$ 1,200,000        |
|                           | Measure M          |                                     |                   |                     | \$ 600,000          |                     | \$ 800,000          | \$ 1,400,000        |
|                           | <b>TOTAL</b>       | <b>\$ 1,075,000</b>                 | <b>\$ 900,000</b> | <b>\$ 1,200,000</b> | <b>\$ 1,600,000</b> | <b>\$ 2,000,000</b> | <b>\$ 1,800,000</b> | <b>\$ 8,575,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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.

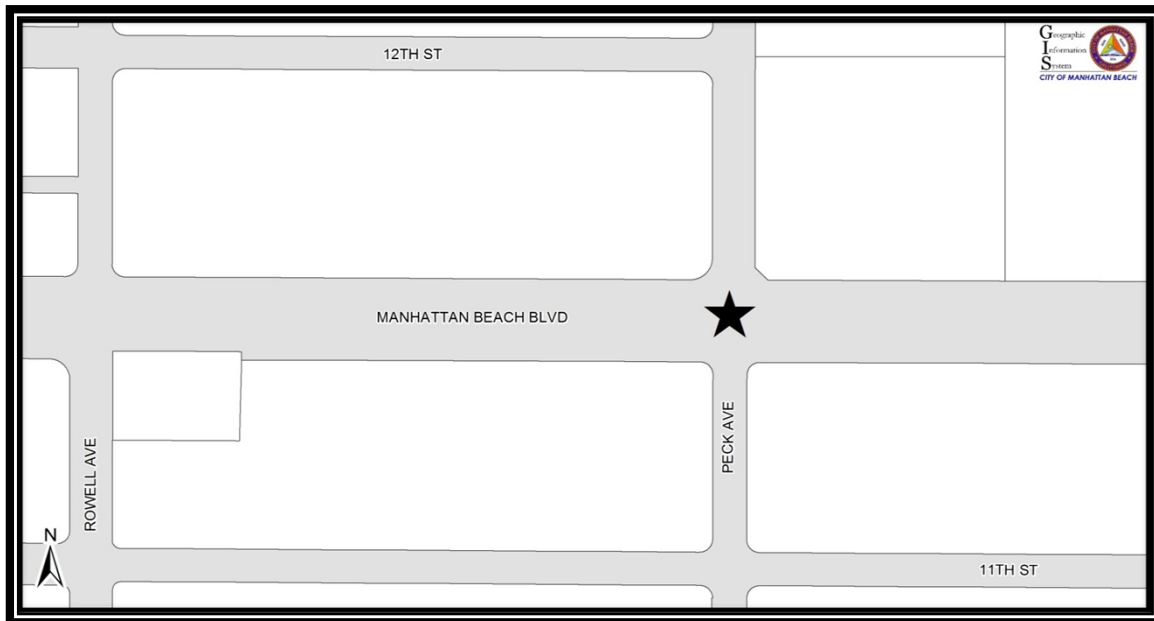
**Description:** Design and construct protected left turns in the eastbound and westbound directions at the intersection of Manhattan Beach Boulevard and Peck Avenue.

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| Measure R          | \$ 285,000                          |             | \$ -        | \$ -        | \$ -        | \$ -        | \$ 285,000        |
| Local Return       |                                     |             |             |             |             |             |                   |
| <b>TOTAL</b>       | <b>\$ 285,000</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 285,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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:**

| <b>Funding<br/>Source(s):</b> | <b>Remaining<br/>Allocation as<br/>of 02-28-19</b> | <b>FY2019-20</b> | <b>FY2020-21</b> | <b>FY2021-22</b> | <b>FY2022-23</b> | <b>FY2023-24</b> | <b>TOTAL</b>      |
|-------------------------------|----------------------------------------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| Measure R<br>Local Return     | \$ 450,000                                         | \$ -             |                  | \$ -             | \$ -             | \$ -             | \$ 450,000        |
| <b>TOTAL</b>                  | <b>\$ 450,000</b>                                  | <b>\$ -</b>      | <b>\$ -</b>      | <b>\$ -</b>      | <b>\$ -</b>      | <b>\$ -</b>      | <b>\$ 450,000</b> |

**Location  
Map:**

No map



City of Manhattan Beach  
CIP 2020-2024 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:** Non-Motorized Transportation Project: Rosecrans Ave Bike Lane

**Description:** Provision of features to enhance non-motorized modes of transportation such as walking and biking. This specific project installs 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 02-28-19 | FY2019-20         | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------------|-------------|-------------|-------------|-------------|-------------------|
|                           | Measure R          |                                     | \$ 240,000        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 240,000        |
|                           | Local Return       |                                     |                   |             |             |             |             |                   |
|                           | <b>TOTAL</b>       | <b>\$ -</b>                         | <b>\$ 240,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 240,000</b> |

**Location Map:**

No map

City of Manhattan Beach  
CIP 2020-2024 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 #:** N/A

**Original Funding Year:** N/A

**General Plan Element Goals:** I-6

**Project Title:** Aviation (West-side) and 33rd Street Sidewalk

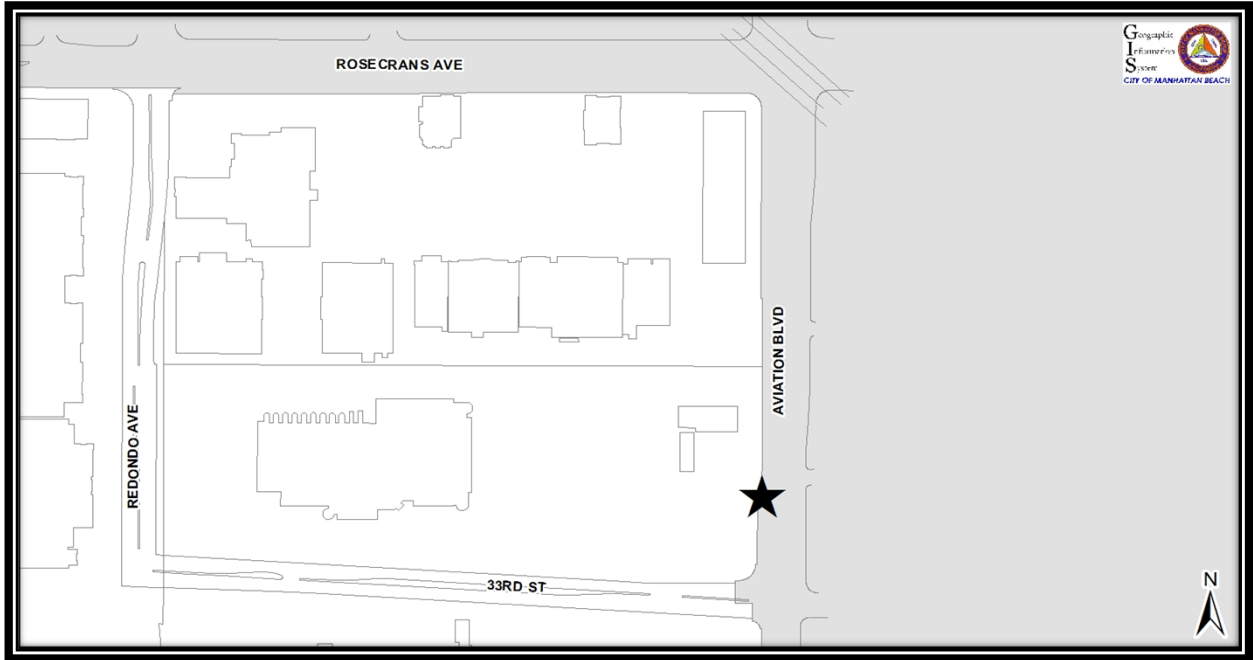
**Description:** Install missing link of sidewalk on Aviation near 33rd St. This work includes removal and replacement of significant irrigation/landscaping, regrading and various improvements to protect existing sign and wall footings.

**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 02-28-19 | FY2019-20         | FY2020-21         | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|--------------------|-------------------------------------|-------------------|-------------------|-------------|-------------|-------------|-------------------|
| Measure R          | \$ -                                | \$ 100,000        | \$ 320,000        |             | \$ -        | \$ -        | \$ 420,000        |
| Local Return       |                                     |                   |                   |             |             |             |                   |
| <b>TOTAL</b>       | <b>\$ -</b>                         | <b>\$ 100,000</b> | <b>\$ 320,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 420,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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 #:** 18101E

**Original Funding Year:** 2017-18

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

**Project Title:** ADA Transition Plan within Public Rights of Way

**Description:** To identify all physical barriers that limit the accessibility of programs, activities, or services to individuals with disabilities: list detailed outline of methods to be utilized to remove these barriers and an annual schedule for taking the necessary steps to achieve compliance with Title II of the Americans with Disabilities Act (ADA).

**Justification:** Federal law requires cities to develop this plan. In its development, legal protection is provided to the city while addressing efforts to improve ADA access over time.

| Project Cost<br>Information: | Funding      | Remaining                    | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL            |
|------------------------------|--------------|------------------------------|-------------|-------------|-------------|-------------|-------------|------------------|
|                              | Source(s):   | Allocation as<br>of 02-28-19 |             |             |             |             |             |                  |
|                              | Measure M    | \$ 60,000                    |             | \$ -        | \$ -        | \$ -        | \$ -        | \$ 60,000        |
|                              | Local Return |                              |             |             |             |             |             |                  |
|                              | <b>TOTAL</b> | <b>\$ 60,000</b>             | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 60,000</b> |

**Location**

**Map:**

No map; locations to be determined in Plan

City of Manhattan Beach  
CIP 2020-2024 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 Msr R and Msr M

**Carryover Project #:** 15825E

**Original Funding Year:** 2014-15

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

**Project Title:** Street Resurfacing Project: Liberty Village

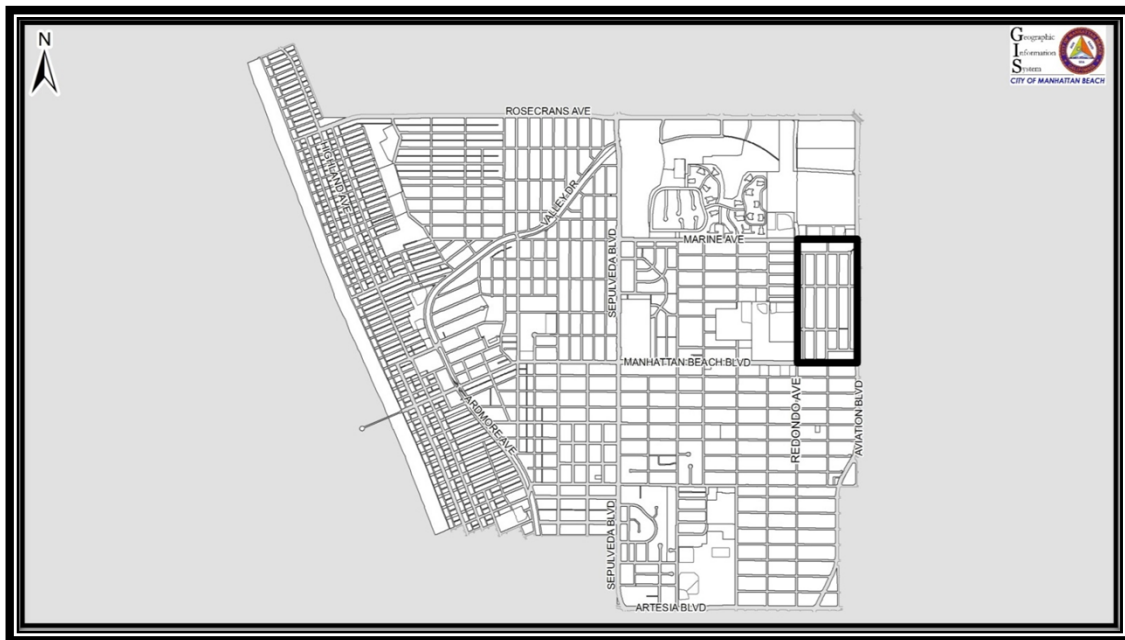
**Description:** Cold mill of 2 1/2" of existing asphalt and a new asphalt overlay; full depth removal and replacement of miscellaneous failed areas; replacement of all displaced curb and gutter; replacement of striping and pavement markings.

**Justification:** The recent Pavement Management study has identified streets in the Liberty Village area as "Poor." The streets in this area were originally constructed in the 1950's and show signs of severe "alligator cracking." City Staff often perform street maintenance repairs in this area.

| Project Cost Information: | Funding Source(s): | Remaining Allocation as of 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL               |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
|                           | Measure R          | \$ 748,905                          | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 748,905          |
|                           | Local Return       |                                     |             |             |             |             |             |                     |
|                           | Measure M          | \$ 275,000                          |             |             |             |             |             | \$ 275,000          |
|                           | Local Return       |                                     |             |             |             |             |             |                     |
|                           | <b>TOTAL</b>       | <b>\$ 1,023,905</b>                 | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,023,905</b> |

**Location**

**Map:**



City of Manhattan Beach  
CIP 2020-2024 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 #:** N/A

**Original Funding Year:** N/A

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

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

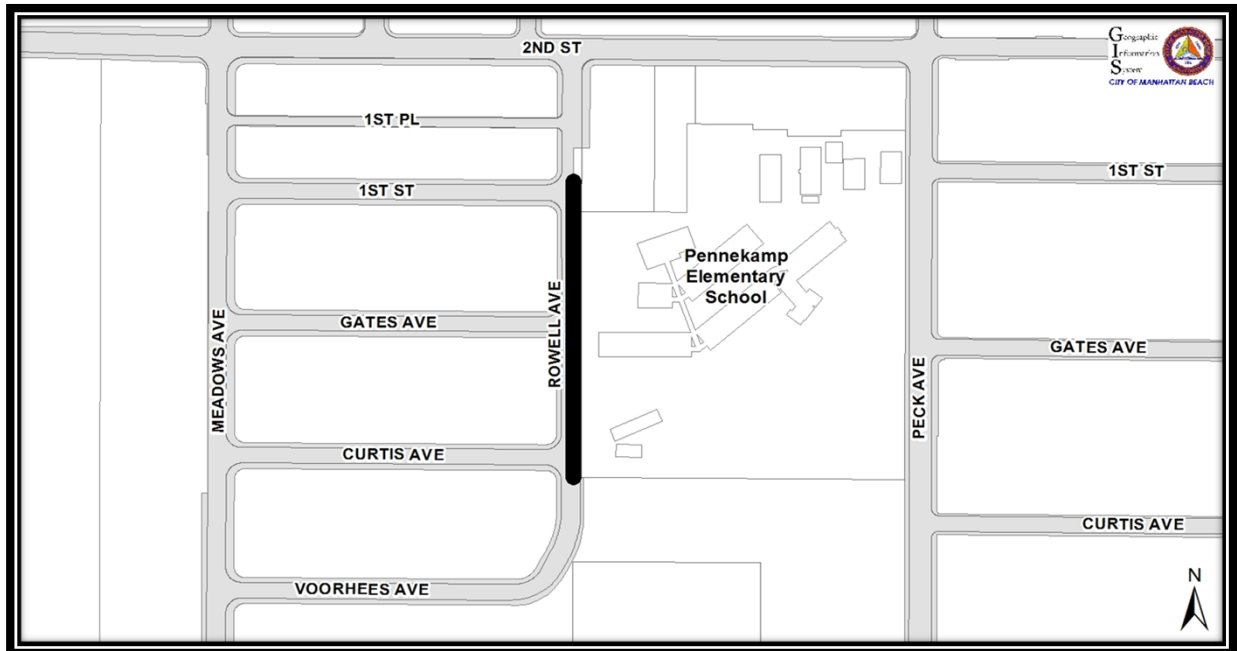
**Description:** Installation of a missing sidewalk in front of Pennekamp Elementary; requires substantial construction work for ADA compliance including drainage/storm drain improvements.

**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 02-28-19 | FY2019-20         | FY2020-21         | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|--------------------|-------------------------------------|-------------------|-------------------|-------------|-------------|-------------|-------------------|
| Measure M          | \$ -                                | \$ 200,000        | \$ 640,000        |             | \$ -        | \$ -        | \$ 840,000        |
| Local Return       |                                     |                   |                   |             |             |             |                   |
| <b>TOTAL</b>       | <b>\$ -</b>                         | <b>\$ 200,000</b> | <b>\$ 640,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 840,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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 St/Hwy, Prop C, Msr R & M

**Carryover Project #:** 19102E

**Original Funding Year:** 2018-19

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

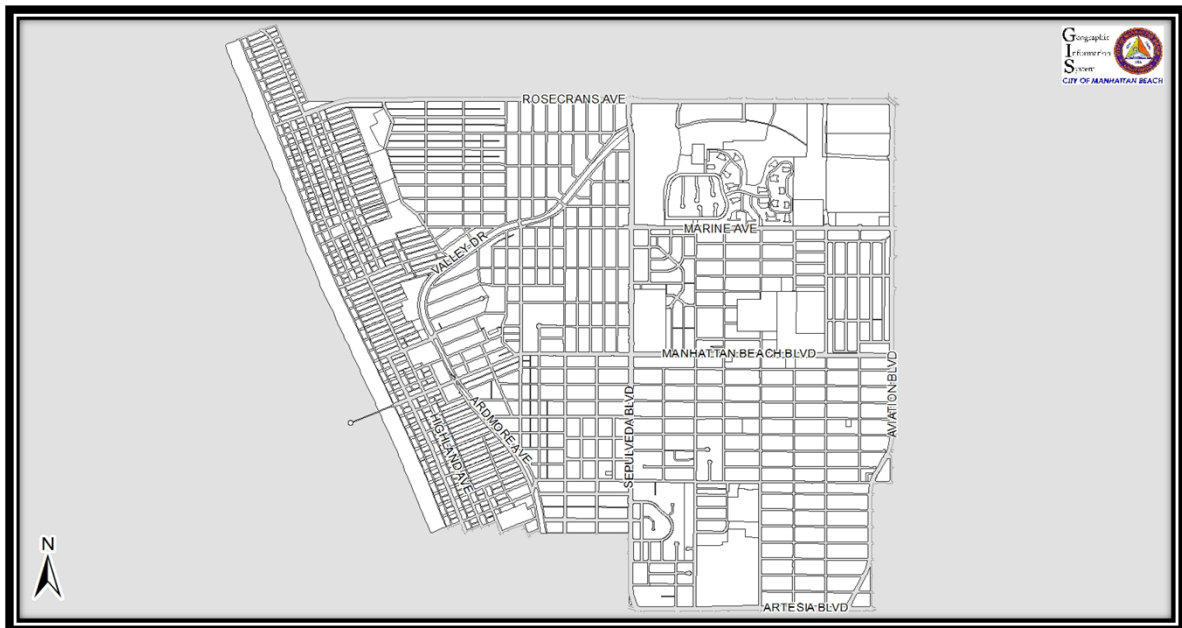
**Project Title:** Annual Residential Street Resurfacing Program

**Description:** The project will mill and overlay the pavement surface and replace displaced curbs, gutters, and sidewalk.

**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 02-28-19 | FY2019-20         | FY2020-21           | FY2021-22           | FY2022-23           | FY2023-24           | TOTAL               |
|---------------------------|--------------------|-------------------------------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                           | Streets & Hwy Fund | \$ 375,000                          | \$ 500,000        |                     | \$ 1,000,000        |                     | \$ 1,000,000        | \$ 2,875,000        |
|                           | Prop C             | \$ 700,000                          | \$ 400,000        | \$ 800,000          |                     | \$ 1,200,000        |                     | \$ 3,100,000        |
|                           | Measure R          |                                     |                   | \$ 400,000          |                     | \$ 800,000          |                     | \$ 1,200,000        |
|                           | Measure M          |                                     |                   |                     | \$ 600,000          |                     | \$ 800,000          | \$ 1,400,000        |
|                           | <b>TOTAL</b>       | <b>\$ 1,075,000</b>                 | <b>\$ 900,000</b> | <b>\$ 1,200,000</b> | <b>\$ 1,600,000</b> | <b>\$ 2,000,000</b> | <b>\$ 1,800,000</b> | <b>\$ 8,575,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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 #:** N/A

**Original Funding Year:** N/A

**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:**

| <b>Funding<br/>Source(s):</b> | <b>Remaining<br/>Allocation as<br/>of 02-28-19</b> | <b>FY2019-20</b>  | <b>FY2020-21</b> | <b>FY2021-22</b> | <b>FY2022-23</b> | <b>FY2023-24</b> | <b>TOTAL</b>      |
|-------------------------------|----------------------------------------------------|-------------------|------------------|------------------|------------------|------------------|-------------------|
| Measure M                     | \$ -                                               | \$ 280,000        |                  |                  | \$ -             | \$ -             | \$ 280,000        |
| Local Return                  |                                                    |                   |                  |                  |                  |                  |                   |
| <b>TOTAL</b>                  | <b>\$ -</b>                                        | <b>\$ 280,000</b> | <b>\$ -</b>      | <b>\$ -</b>      | <b>\$ -</b>      | <b>\$ -</b>      | <b>\$ 280,000</b> |

**Location  
Map:**

City of Manhattan Beach  
CIP 2020-2024 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 city wide based on the results of the Facilities Condition Assessment and Council direction.

**Justification:** This project reflects funding for deficiencies identified as part of the Facilities Assessment at City Hall, City Hall Annex, Live Oak Park, and Marine Avenue Park. The requested funding plan spans multiple years. In FY 17-18, Staff will continue to focus on completing the projects assigned for FY 15-16. FY15-16 includes work such as repainting of the exterior of the buildings, replacing flooring, replacing sealants at the perimeter of the windows, cleaning ductwork in the buildings, and repairing asphalt outside of the buildings.

| Project Cost Information: | Funding Source(s): | Remaining Allocation as of 02-28-19 | FY2019-20         | FY2020-21         | FY2021-22         | FY2022-23         | FY2023-24         | TOTAL               |
|---------------------------|--------------------|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|
|                           |                    |                                     |                   |                   |                   |                   |                   |                     |
|                           | CIP Fund           | \$ 1,880,481                        | \$ 830,000        | \$ 650,000        | \$ 650,000        | \$ 830,000        | \$ 830,000        | \$ 5,670,481        |
|                           | <b>TOTAL</b>       | <b>\$ 1,880,481</b>                 | <b>\$ 830,000</b> | <b>\$ 650,000</b> | <b>\$ 650,000</b> | <b>\$ 830,000</b> | <b>\$ 830,000</b> | <b>\$ 5,670,481</b> |

**Location**

**Map:**

No map; various facilities Citywide



City of Manhattan Beach  
CIP 2020-2024 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

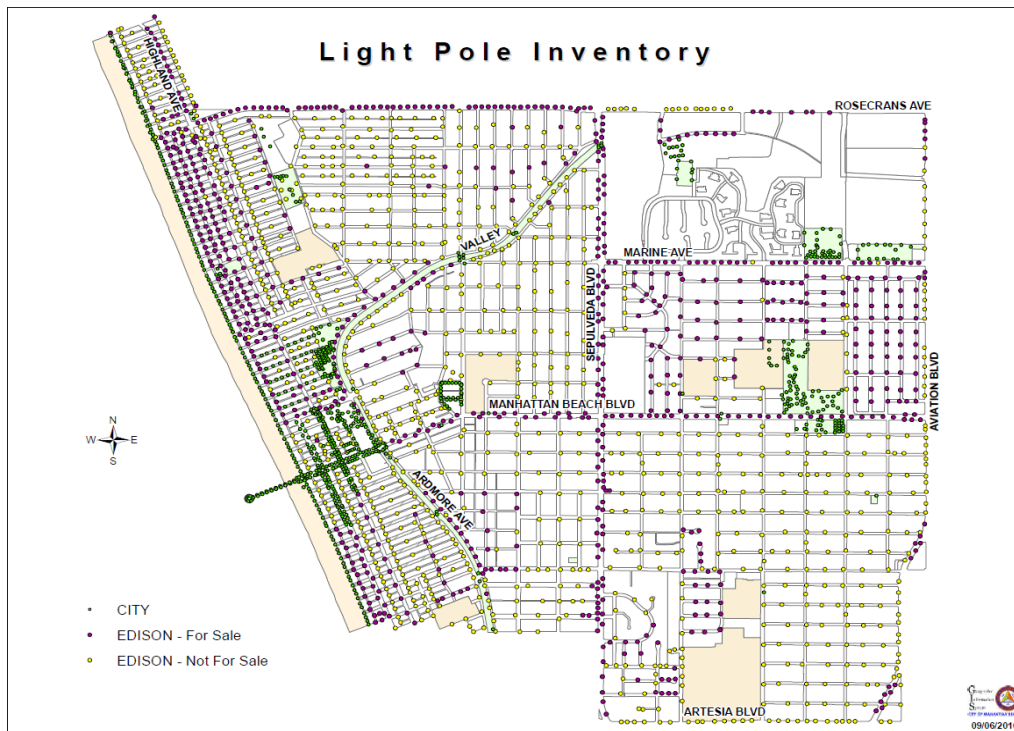
**Project Title:** Streetlight LED Retrofit

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | CIP Fund           | \$ 381,189                          | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 381,189        |
|                           | <b>TOTAL</b>       | <b>\$ 381,189</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 381,189</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** 16209E

**Original Funding Year:** 2015-16

**General Plan Element Goals:** CR-1

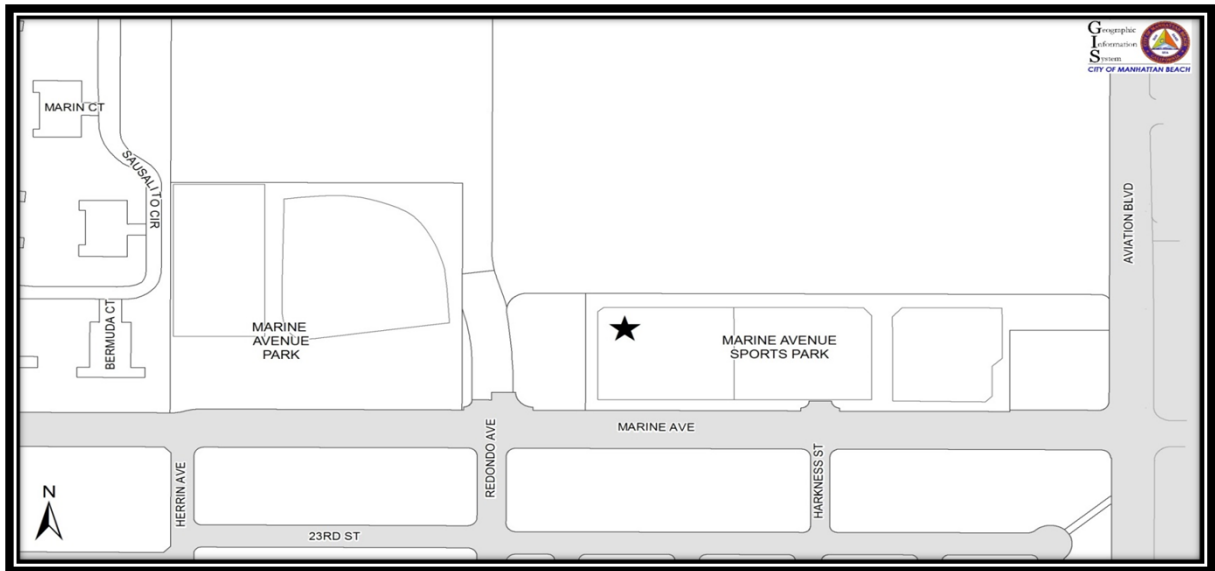
**Project Title:** Marine Ave. Park Baseball Field Synthetic Turf

**Description:** Installation of a synthetic playing surface on the baseball field (only).

**Justification:** Over 2,000 youth, teens and adults play baseball/softball annually in the City of Manhattan Beach including 1,700 players from Manhattan Beach Youth Athletics (Little League). MBYA and Mira Costa Freshman/Sophomore teams predominantly play at Big Marine Baseball Field. With the increase in popularity of the program (MBLL is the 3rd largest Little League program in the nation), it is essential to the success of the program to turf the infield, which would allow for continued use for practices and tryouts throughout the winter months.

| Project Cost Information: | Funding Source(s): | Remaining Allocation as of 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | CIP Fund           | \$ 441,902                          | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 441,902        |
|                           | <b>TOTAL</b>       | <b>\$ 441,902</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 441,902</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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 #:** 18201E

**Original Funding Year:** 2017-18

**General Plan Element Goals:** LU-3

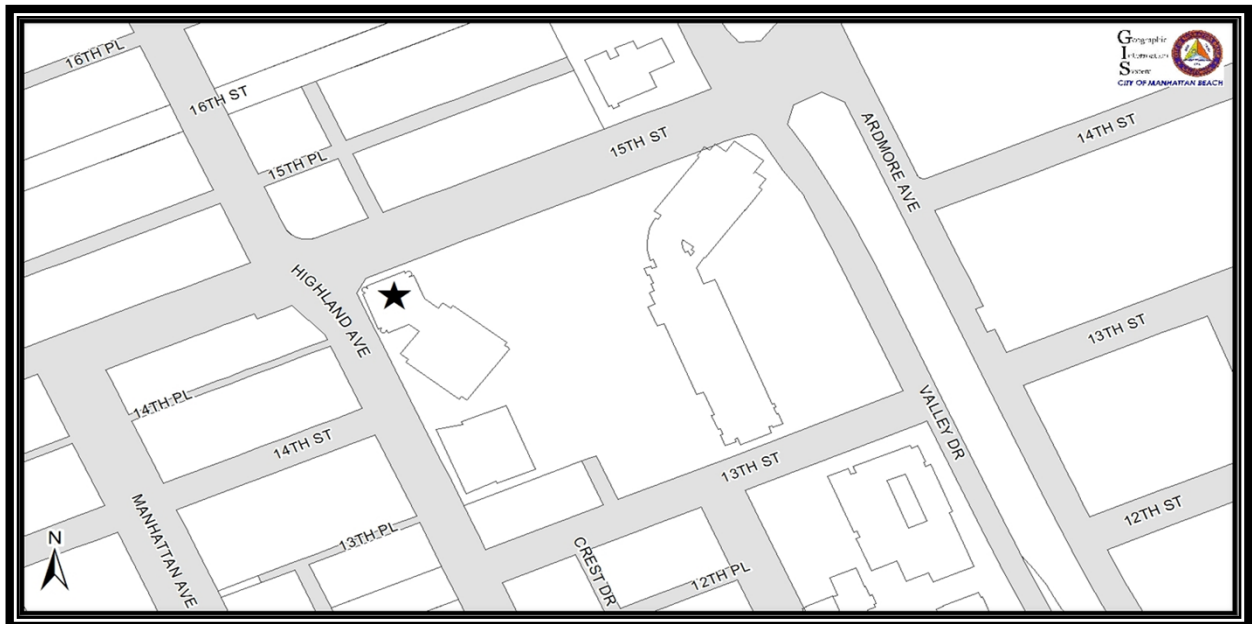
**Project Title:** City Hall 1st and 2nd Floor Restroom Remodel

**Description:** To remodel four City Hall public restrooms (2 near the Council Chambers and 2 near the Welcome Center). The project scope includes design work, rerouting plumbing, removing and/or relocating walls, installing new ADA features, a new shower and tile work. The project budget covers design costs, construction and contingency.

**Justification:** The four public restrooms at City Hall do not properly accommodate ADA requirements, yet are heavily utilized by the public. The project will significantly improve ADA access to these facilities. Staff proposes to use the remaining funds from the Welcome Center Remodel and supplement an additional amount to improve these public facilities.

| Project Cost Information: | Funding Source(s): | Remaining Allocation as of 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | CIP Fund           | \$ 476,550                          | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 476,550        |
|                           | <b>TOTAL</b>       | <b>\$ 476,550</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 476,550</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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 Station and Surfacing at Miraposa Fitness Station

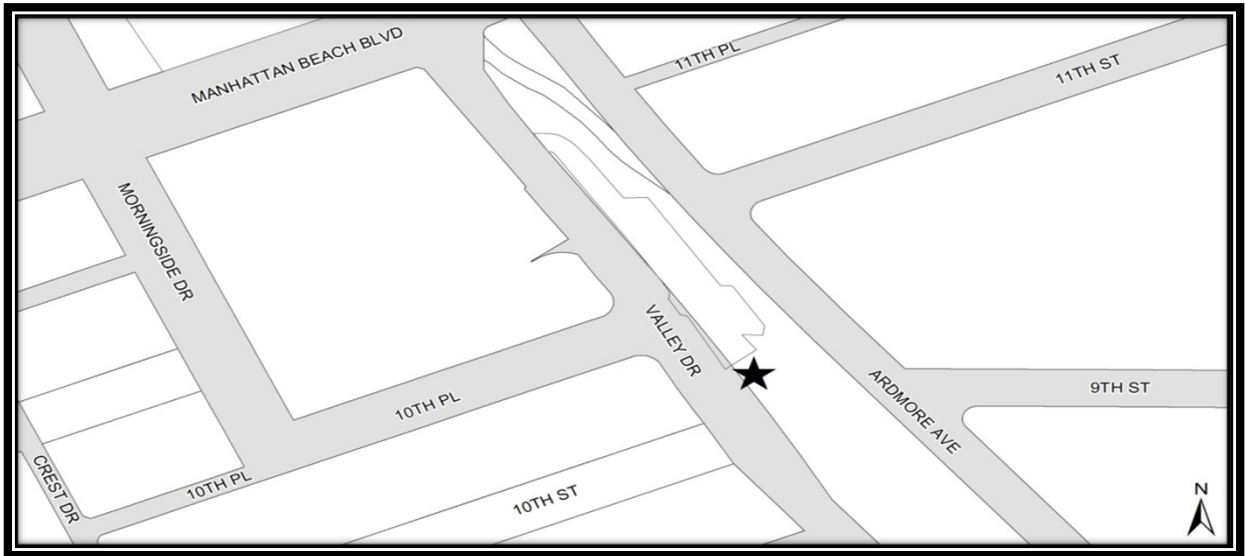
**Description:** Remove existing worn down and damaged fitness equipment and surfacing installation of new poured in place surfacing material and installation of all new fitness cluster equipment.

**Justification:** The current fitness equipment and surfacing at the Miraposa 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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | CIP Fund           | \$ 217,500                          | \$ -        |             | \$ -        | \$ -        | \$ -        | \$ 217,500        |
|                           | <b>TOTAL</b>       | <b>\$ 217,500</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 217,500</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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 #:** 17201E

**Original Funding Year:** 2016-17

**General Plan Element Goals:** CR-1

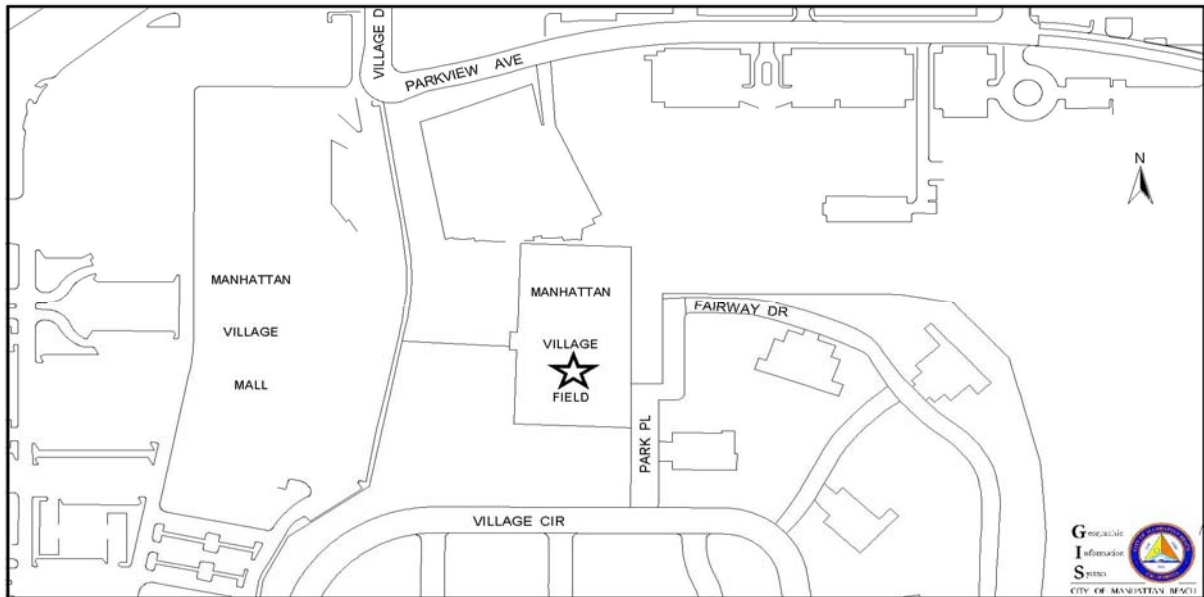
**Project Title:** Village Field Lighting Replacement

**Description:** Replace the light fixtures at Village Field.

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

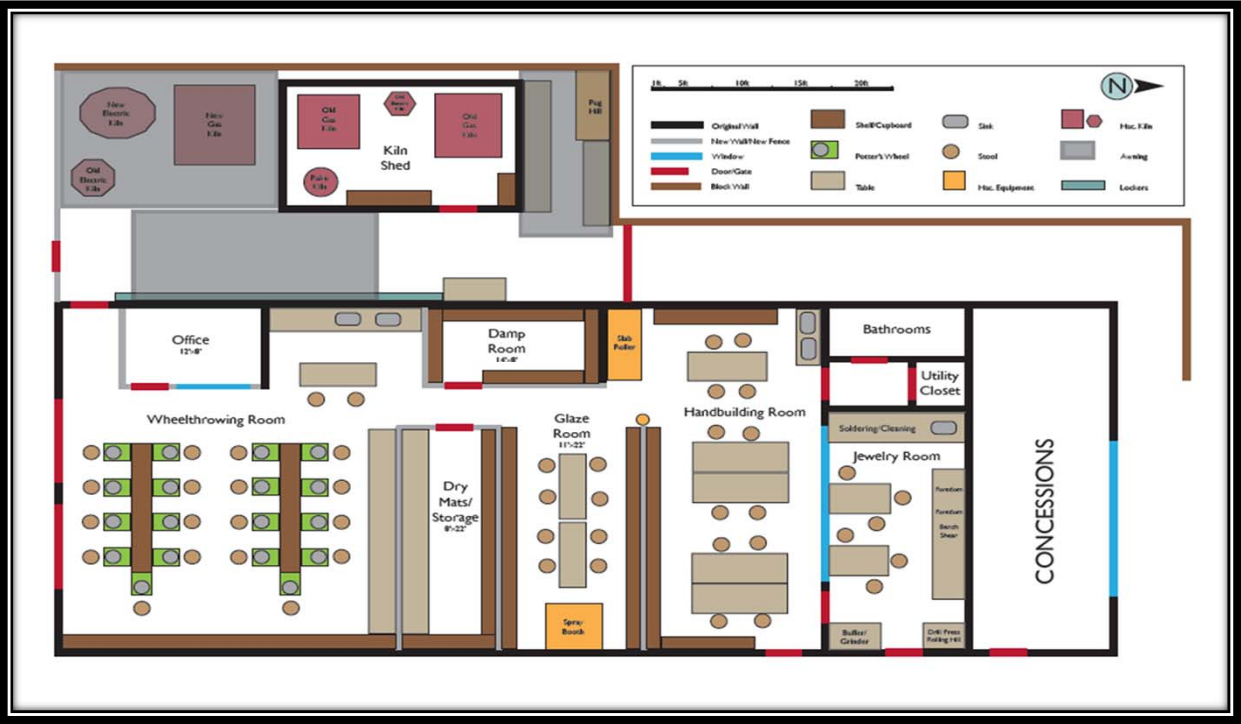
| Project Cost Information: | Funding Source(s): | Remaining Allocation as of 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL            |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|------------------|
|                           | CIP Fund           | \$ 39,597                           | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 39,597        |
|                           | <b>TOTAL</b>       | <b>\$ 39,597</b>                    | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 39,597</b> |

**Location Map:**





Project Title: Ceramics Studio Renovation



City of Manhattan Beach  
CIP 2020-2024 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 #:** 16203E

**Original Funding Year:** 2015-16

**General Plan Element Goals:** LU-3, LU-3.1

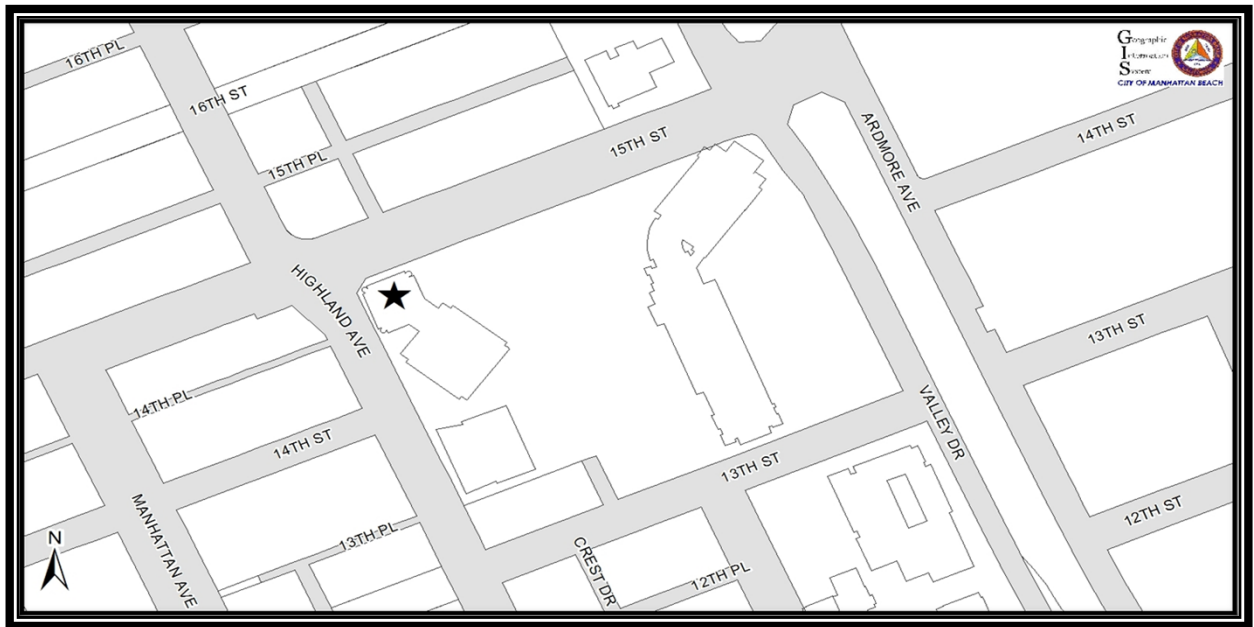
**Project Title:** City Hall Remodel

**Description:** Interior modifications at City Hall.

**Justification:** Interior modifications are designed to improve customer service and employee workflow.

| Project Cost Information: | Funding Source(s): | Remaining Allocation as of 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL            |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|------------------|
|                           | CIP Fund           | \$ 42,000                           | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 42,000        |
|                           | <b>TOTAL</b>       | <b>\$ 42,000</b>                    | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 42,000</b> |

**Location Map:**





City of Manhattan Beach  
CIP 2020-2024 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 #:** 16211E

**Original Funding Year:** 2015-16

**General Plan Element Goals:** LU-3, LU-3.1

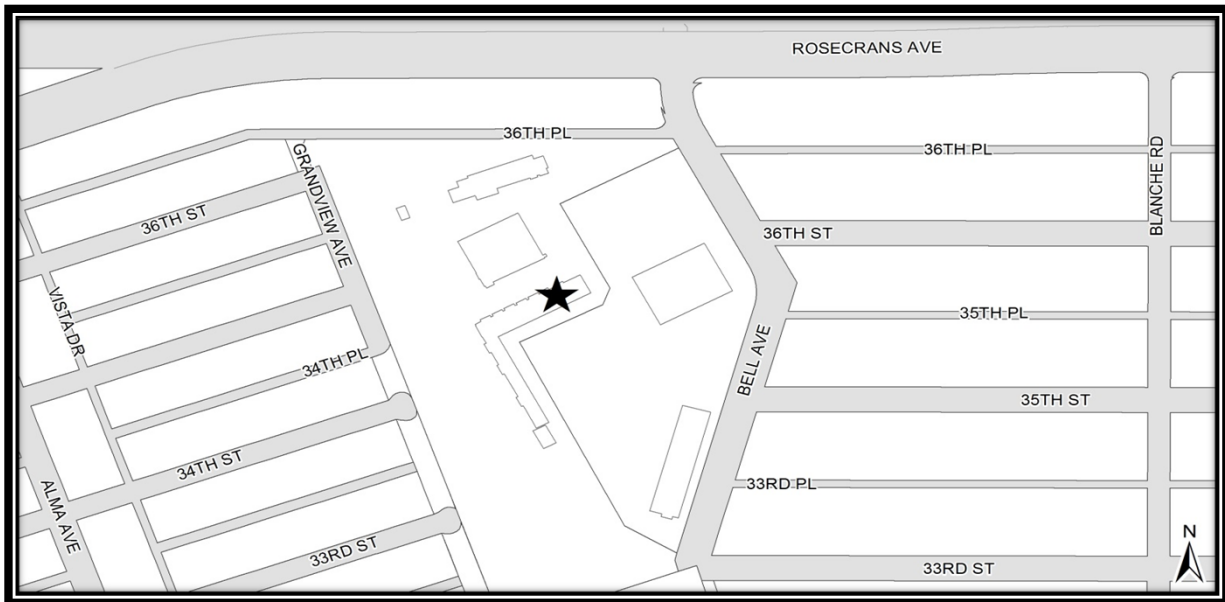
**Project Title:** Engineering Division Space Planning

**Description:** Professional design services for Engineering Division office space layout.

**Justification:** The existing layout of the Engineering Division offices is only marginally functional. The offices are cramped and the file storage area is of inadequate size for the materials requiring storage. The reconfiguration of the existing space along with the possibility of changing the storage space on the east side of the existing offices is the goal of the project.

| Project Cost Information: | Funding Source(s): | Remaining Allocation as of 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | CIP Fund           | \$ 336,023                          |             | \$ -        | \$ -        | \$ -        | \$ -        | \$ 336,023        |
|                           | <b>TOTAL</b>       | <b>\$ 336,023</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 336,023</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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

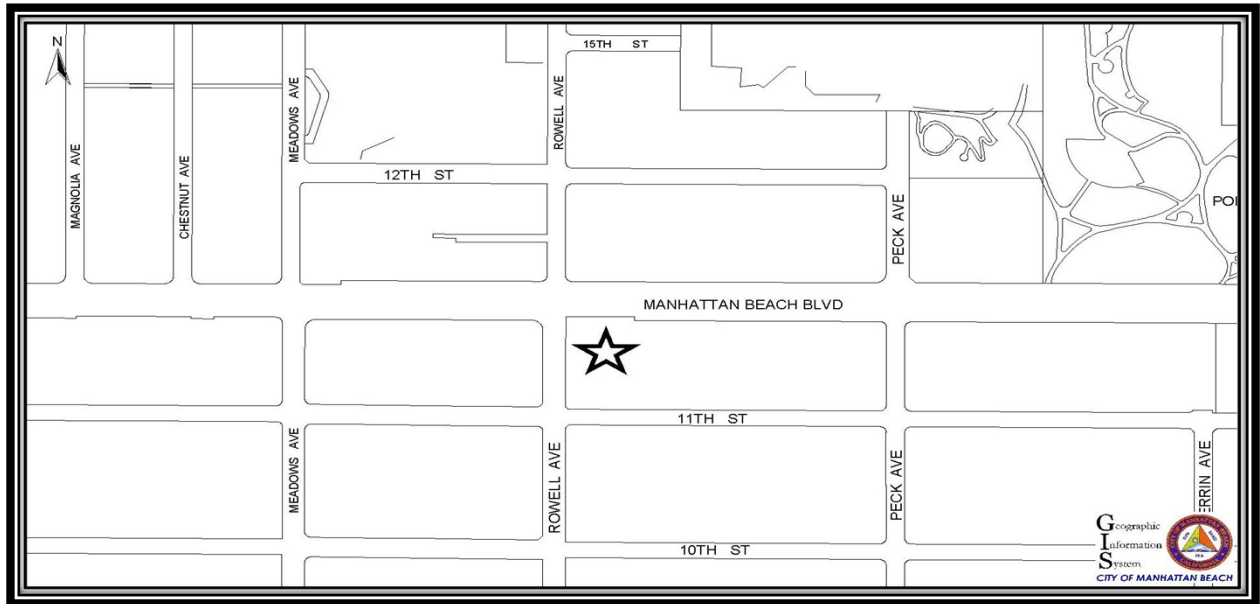
**Project Title:** Fire Station 2 Design Development

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | CIP Fund           | \$ 777,441                          | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 777,441        |
|                           | <b>TOTAL</b>       | <b>\$ 777,441</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 777,441</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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 #:** N/A

**Original Funding Year:** N/A

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

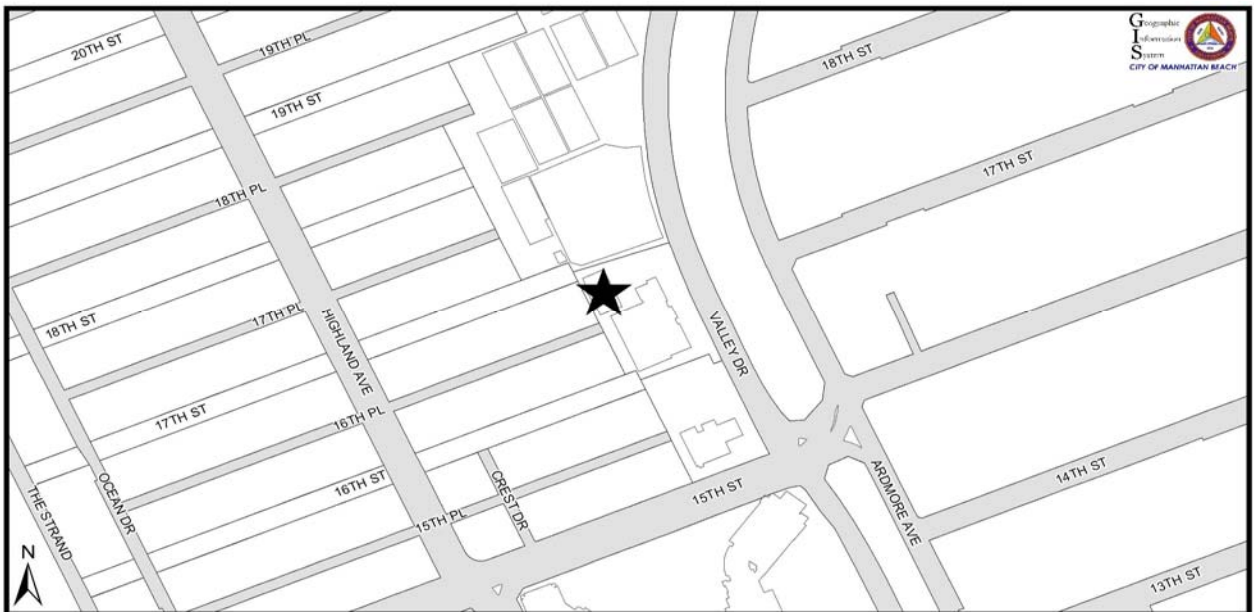
**Project Title:** Scout House

**Description:** Develop and design a new Scout House for 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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | CIP Fund           | \$ 550,000                          | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 550,000        |
|                           | <b>TOTAL</b>       | <b>\$ 550,000</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 550,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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

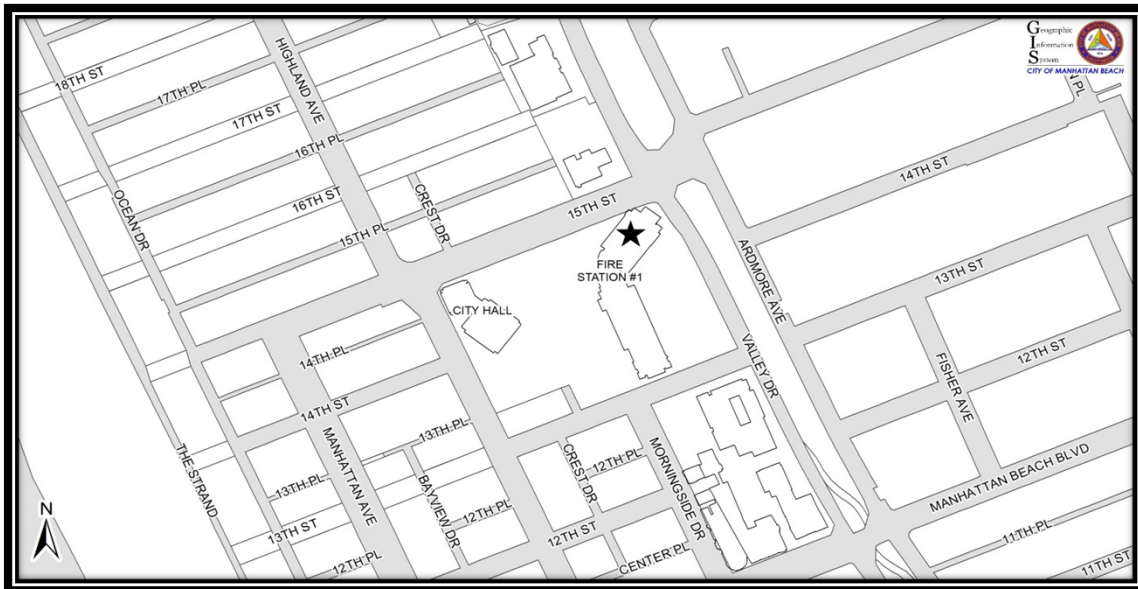
**Project Title:** Replacement and Upgrade of Fire Station 1 Diesel Exhaust Removal System

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL            |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|------------------|
|                           | CIP Fund           | \$ 30,000                           | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 30,000        |
|                           | <b>TOTAL</b>       | <b>\$ 30,000</b>                    | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 30,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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 (Turf, Lighting, Fencing)

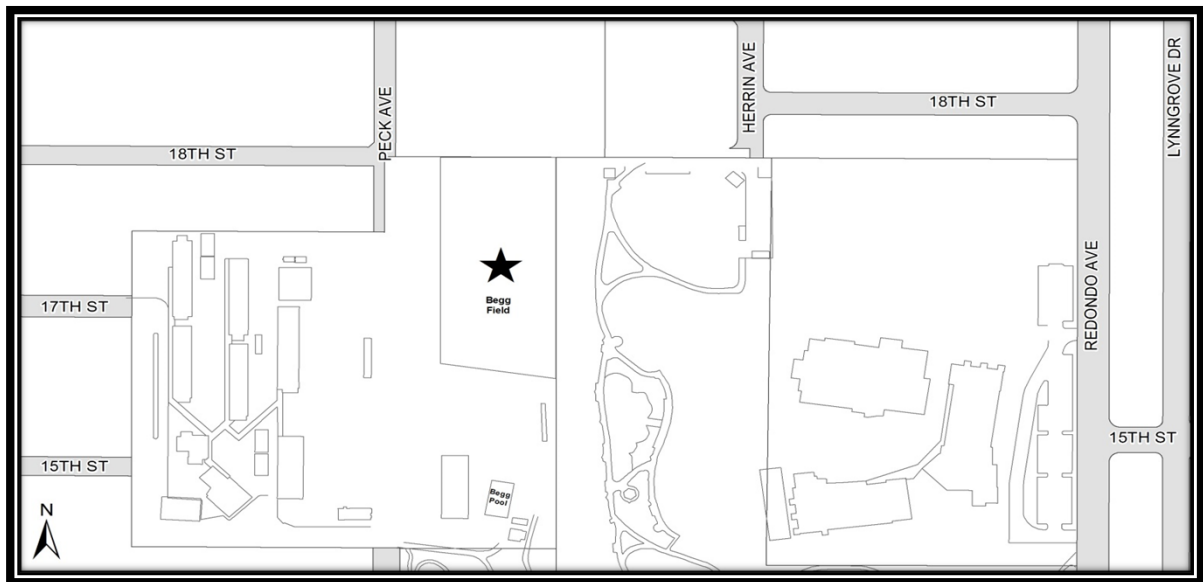
**Description:** Perform field improvements, install fence around turf and replace the light fixtures at Begg Field.

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| CIP Fund           | \$ 500,000                          | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 500,000        |
| <b>TOTAL</b>       | <b>\$ 500,000</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 500,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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

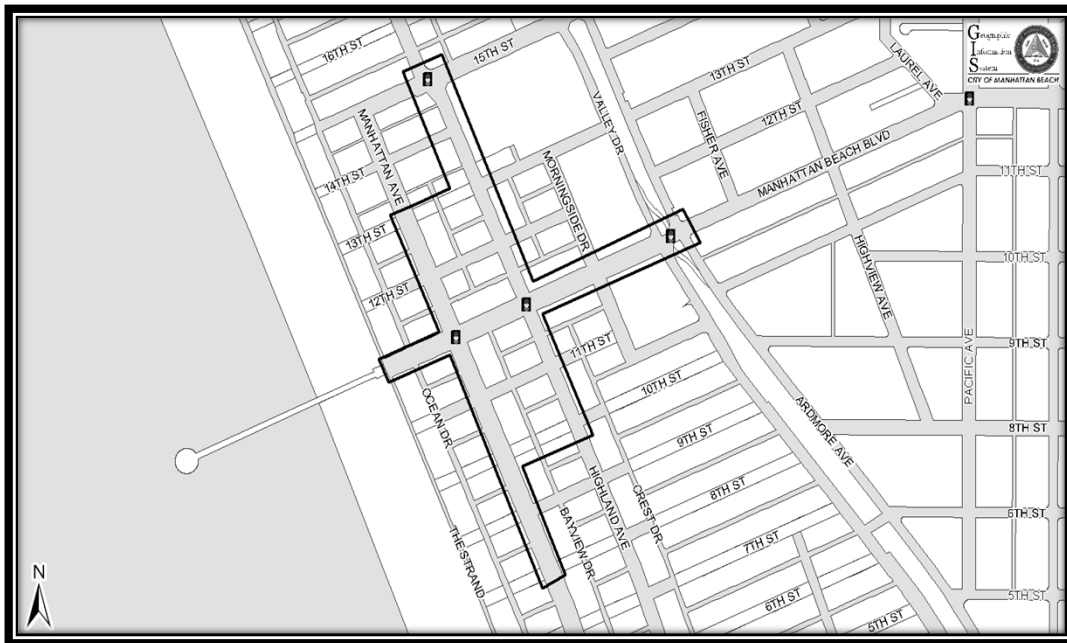
**Project Title:** Downtown Streetscape Improvements: Traffic Signal Pole Replacement

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | CIP Fund           | \$ 993,050                          | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 993,050        |
|                           | <b>TOTAL</b>       | <b>\$ 993,050</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 993,050</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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<br>Information: | Funding<br>Source(s): | Remaining<br>Allocation as<br>of 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|------------------------------|-----------------------|-------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                              |                       |                                           |             |             |             |             |             |                   |
|                              | CIP Fund              | \$ 110,000                                | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 110,000        |
|                              | <b>TOTAL</b>          | <b>\$ 110,000</b>                         | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 110,000</b> |

**Location  
Map:**

No map; locations to be determined

City of Manhattan Beach  
CIP 2020-2024 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

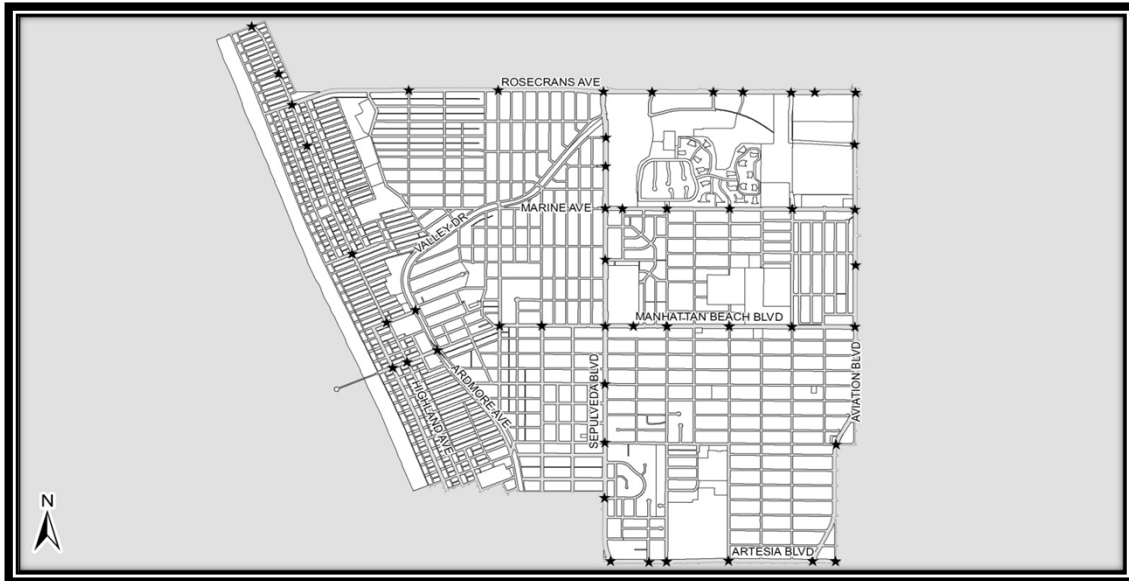
**Project Title:** Traffic Signal Preemption Devices

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | CIP Fund           | \$ 158,282                          |             |             | \$ -        | \$ -        | \$ -        | \$ 158,282        |
|                           | <b>TOTAL</b>       | <b>\$ 158,282</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 158,282</b> |

**Location Map:**





City of Manhattan Beach  
CIP 2020-2024 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

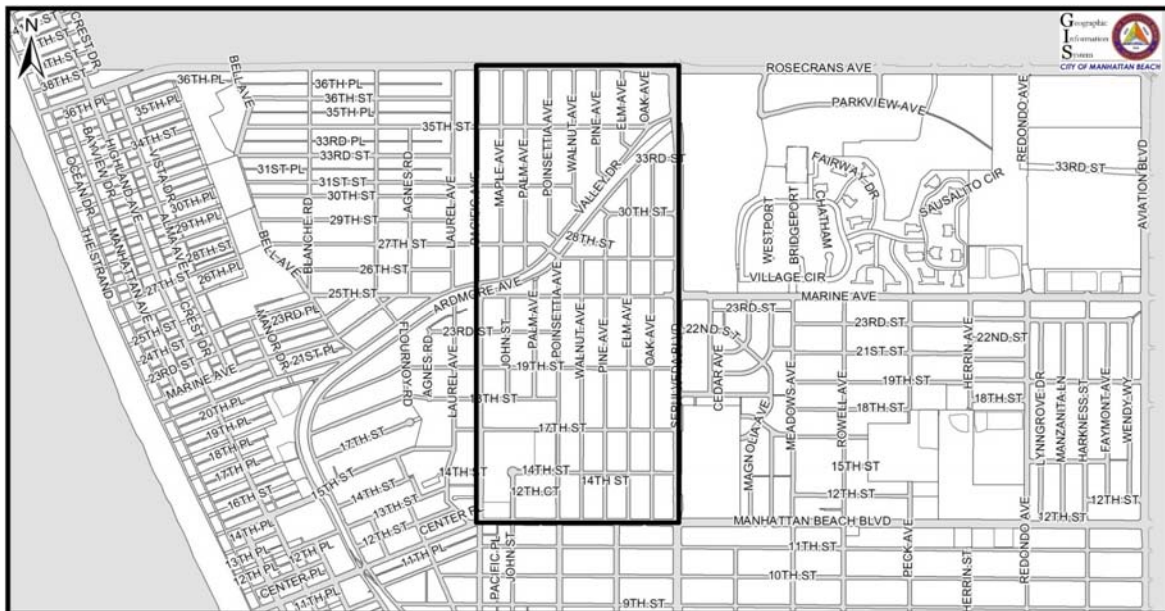
**Project Title:** Sepulveda Blvd./Oak Ave. Neighborhood Intrusion Study

**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. A portion of the study will be funded by a contribution from the mall developer.

| Project Cost Information: | Funding Source(s): | Remaining Allocation as of 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL            |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|------------------|
|                           | CIP Fund           | \$ 50,000                           | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 50,000        |
|                           | <b>TOTAL</b>       | <b>\$ 50,000</b>                    | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 50,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Non-Motorized Transportation Crosswalks, Bike Lanes, 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 02-28-19 | FY2019-20         | FY2020-21         | FY2021-22         | FY2022-23         | FY2023-24         | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|                           | CIP Fund           | \$ 7,715                            | \$ 100,000        | \$ 100,000        | \$ 100,000        | \$ 100,000        | \$ 100,000        | \$ 507,715        |
|                           | <b>TOTAL</b>       | <b>\$ 7,715</b>                     | <b>\$ 100,000</b> | <b>\$ 100,000</b> | <b>\$ 100,000</b> | <b>\$ 100,000</b> | <b>\$ 100,000</b> | <b>\$ 507,715</b> |

**Location**

**Map:**

Various locations; citywide

City of Manhattan Beach  
CIP 2020-2024 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 #:** 17205E

**Original Funding Year:** 2016-17

**General Plan Element Goals:** I-6

**Project Title:** Veterans Parkway Pedestrian Access Masterplan

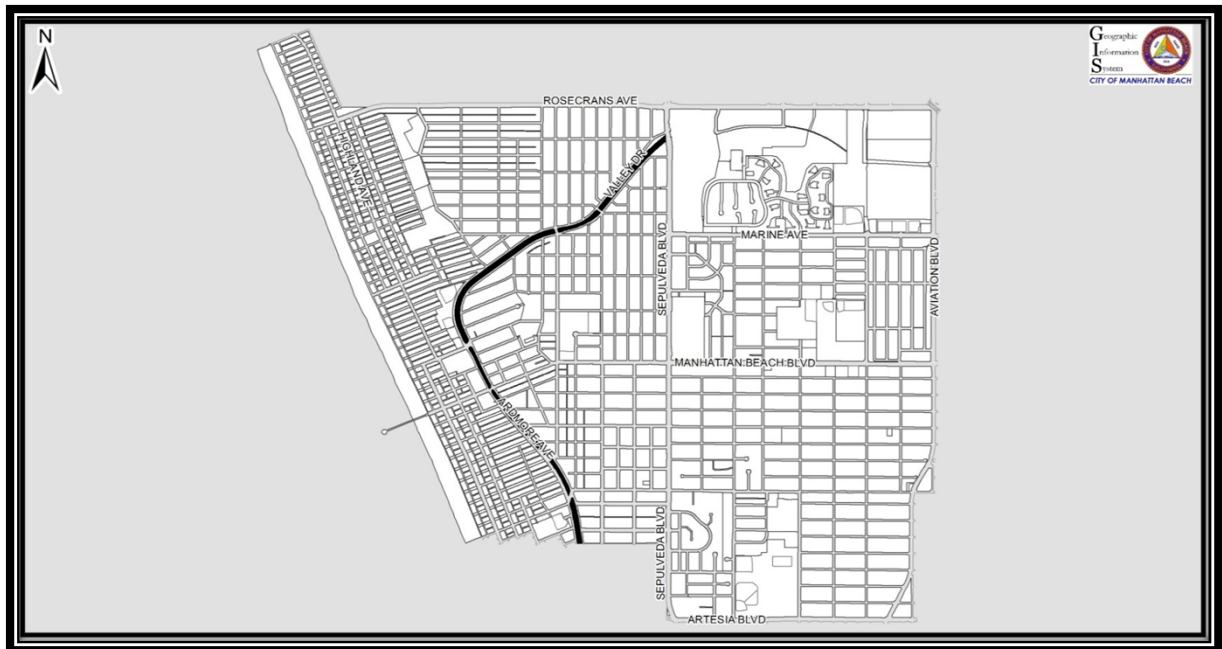
**Description:** Conduct an evaluation of existing and recommended pedestrian crossings and connections to the Veterans Parkway and prepare design plans to construct pedestrian connections.

**Justification:** The Veterans Parkway Pedestrian Access Master Plan will identify gaps in the pedestrian network along the Veterans Parkway, and develop design plans to construct these connections. The improvements will be located at intersections, major side street paths, and school routes. The Plan will be based on the policy recommendations that are developed in the Mobility Plan Update. The plan will ensure that all pedestrian crossing treatments are in conformance with the "Pedestrian Crossing Enhancements Policy" contained in the Mobility Plan Update. Some of the pedestrian crossing treatments may include decorative crosswalks, new sidewalks, pedestrian ramps, flashing beacons, curb bulb-outs, lighting, traffic calming devices and pedestrian signal modifications at traffic signals. Construction of the recommended pedestrian facilities will be proposed in future CIP projects

**Project Cost Information:**

| Funding Source(s): | Remaining Allocation as of 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL            |
|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|------------------|
| CIP Fund           | \$ 79,748                           | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 79,748        |
| <b>TOTAL</b>       | <b>\$ 79,748</b>                    | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 79,748</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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 #:** N/A

**Original Funding Year:** N/A

**Project Title:** Roadway Safety Bollards and Barriers

**Description:** Design and construction of roadway barriers at four key locations:

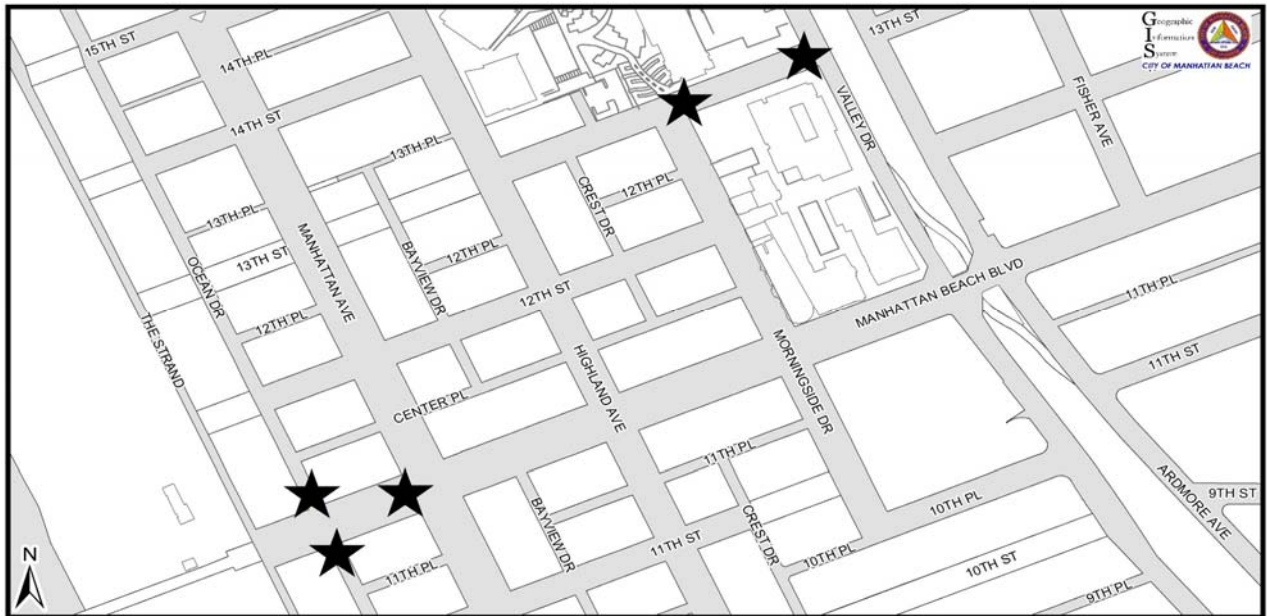
1) 13th Street @ Valley (west leg of intersection), 2) 13th Street @ Morningside (east leg of intersection), 3) Manhattan Beach Blvd. @ Manhattan Ave (west leg of intersection), 4) Manhattan Beach Blvd. @ Ocean Dr. (North and South leg of intersection).

**Justification:** To ensure safety of pedestrians in the key areas of the weekly Farmer's Market and the last block of Manhattan Beach Blvd. before reaching the Pier.

**Estimated  
Project Cost:**

**Unknown**

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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 #:** N/A

**Original Funding Year:** N/A

**General Plan Element Goals:** CR-1

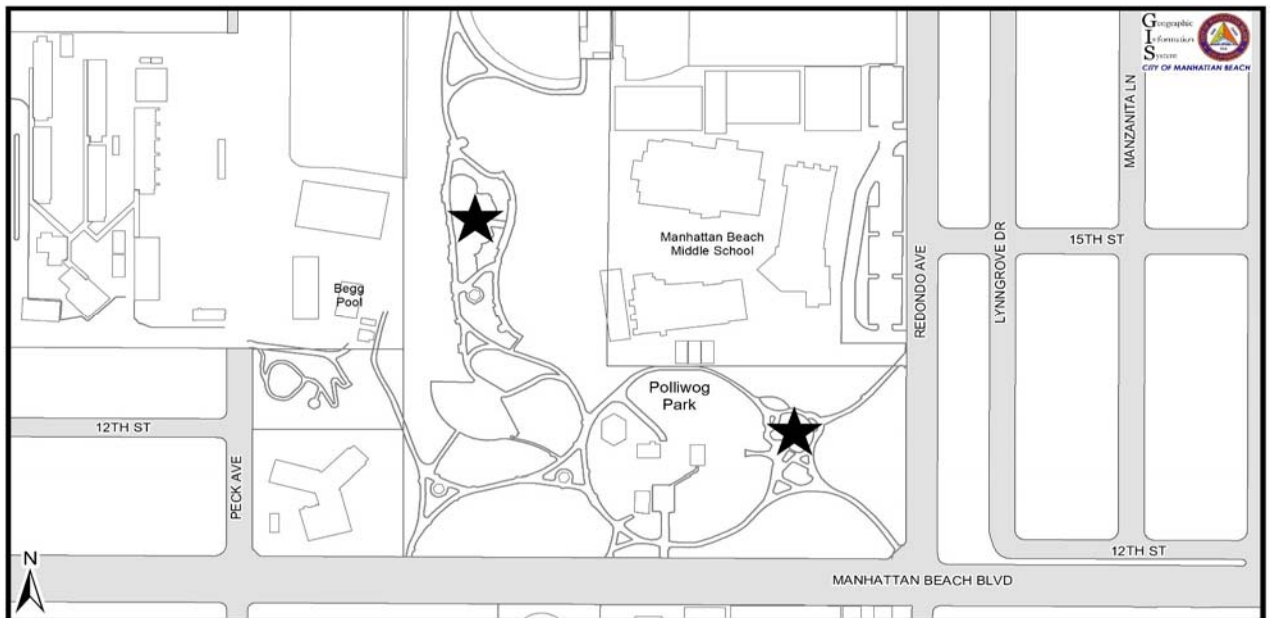
**Project Title:** Polliwog Playground Resurfacing & Equipment Replacement (Prop A/CIP)

**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 02-28-19 | FY2019-20         | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------------|-------------|-------------|-------------|-------------|-------------------|
|                           | Prop A             |                                     | \$ 600,000        |             | \$ -        | \$ -        | \$ -        | \$ 600,000        |
|                           | CIP                |                                     | \$ 400,000        |             |             |             |             |                   |
|                           | <b>TOTAL</b>       | <b>\$ -</b>                         | <b>\$ 600,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 600,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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 #:** N/A

**Original Funding Year:** N/A

**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 02-28-19 | FY2019-20         | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|-----------------------|-------------------------------------|-------------------|-------------|-------------|-------------|-------------|-------------------|
|                           | Public Art Trust Fund |                                     | \$ 100,000        |             | \$ -        | \$ -        | \$ -        | \$ 100,000        |
|                           | <b>TOTAL</b>          | <b>\$ -</b>                         | <b>\$ 100,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 100,000</b> |

**Location Map:**

City of Manhattan Beach  
CIP 2020-2024 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

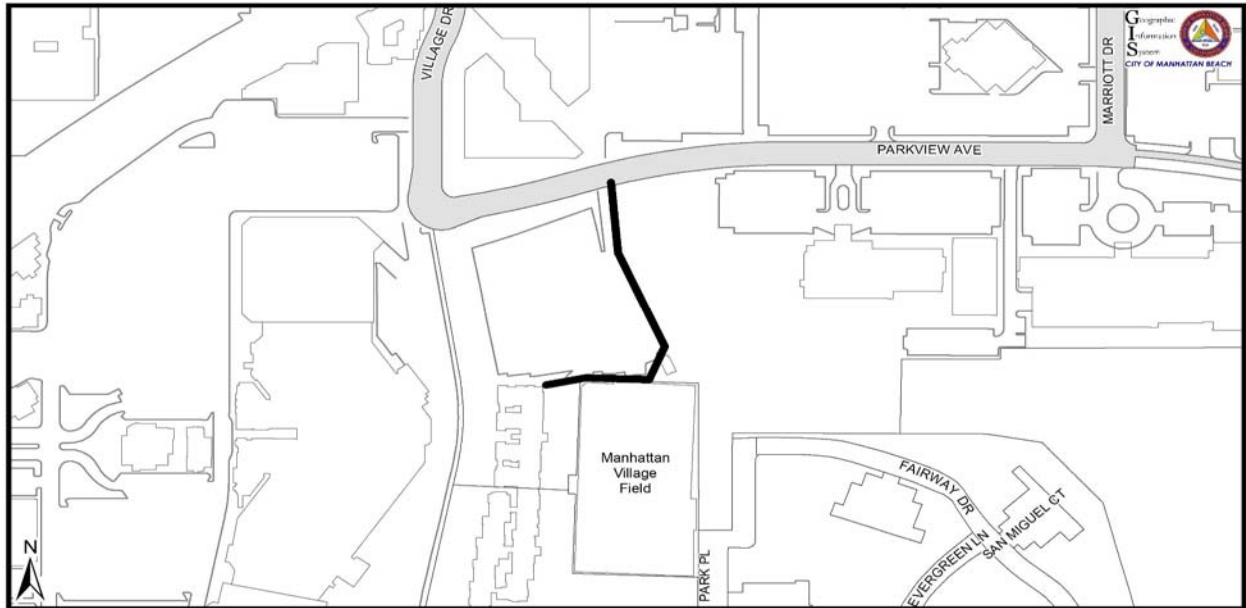
**Project Title:** Village Field ADA Access Ramp: Construction (CDBG Funds)

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | CDBG Funds         | \$ 300,000                          |             |             | \$ -        | \$ -        | \$ -        | \$ 300,000        |
|                           | <b>TOTAL</b>       | <b>\$ 300,000</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 300,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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.

**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 02-28-19 | FY2019-20 | FY2020-21 | FY2021-22  | FY2022-23  | FY2023-24  | TOTAL      |
|---------------------------|--------------------|-------------------------------------|-----------|-----------|------------|------------|------------|------------|
|                           | CDBG               |                                     |           | \$ -      | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 300,000 |
|                           | <b>TOTAL</b>       |                                     | \$ -      | \$ -      | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 300,000 |

**Location Map:**

No map; Citywide



City of Manhattan Beach  
CIP 2020-2024 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 #:** N/A

**Original Funding Year:** N/A

**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 02-28-19 | FY2019-20        | FY2020-21        | FY2021-22        | FY2022-23        | FY2023-24        | TOTAL             |
|---------------------------|--------------------|-------------------------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
|                           | Streetlight Fund   |                                     | \$ 35,000        | \$ 35,000        | \$ 35,000        | \$ 35,000        | \$ 35,000        | \$ 175,000        |
|                           | <b>TOTAL</b>       | <b>\$ -</b>                         | <b>\$ 35,000</b> | <b>\$ 35,000</b> | <b>\$ 35,000</b> | <b>\$ 35,000</b> | <b>\$ 35,000</b> | <b>\$ 175,000</b> |

**Location**

**Map:**

No map; Citywide

City of Manhattan Beach  
CIP 2020-2024 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

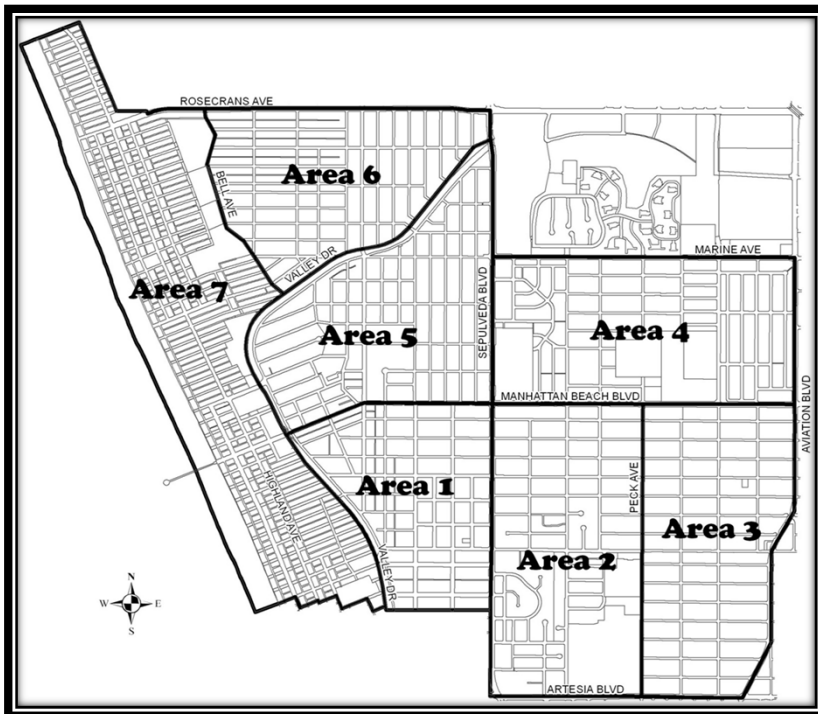
**Project Title:** Annual Pipe Replacement & Fire Hydrant Installations

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

**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 02-28-19 | FY2019-20           | FY2020-21           | FY2021-22           | FY2022-23           | FY2023-24           | TOTAL                |
|---------------------------|--------------------|-------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
|                           | Water Fund         | \$ 3,100,000                        | \$ 1,500,000        | \$ 1,500,000        | \$ 1,500,000        | \$ 2,000,000        | \$ 2,000,000        | \$ 11,600,000        |
|                           | <b>TOTAL</b>       | <b>\$ 3,100,000</b>                 | <b>\$ 1,500,000</b> | <b>\$ 1,500,000</b> | <b>\$ 1,500,000</b> | <b>\$ 2,000,000</b> | <b>\$ 2,000,000</b> | <b>\$ 11,600,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL               |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
|                           | Water Fund         | \$ 5,340,000                        |             | \$ -        |             |             |             | \$ 5,340,000        |
|                           | <b>TOTAL</b>       | <b>\$ 5,340,000</b>                 | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 5,340,000</b> |

**Location Map:**

No map; Citywide

City of Manhattan Beach  
CIP 2020-2024 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

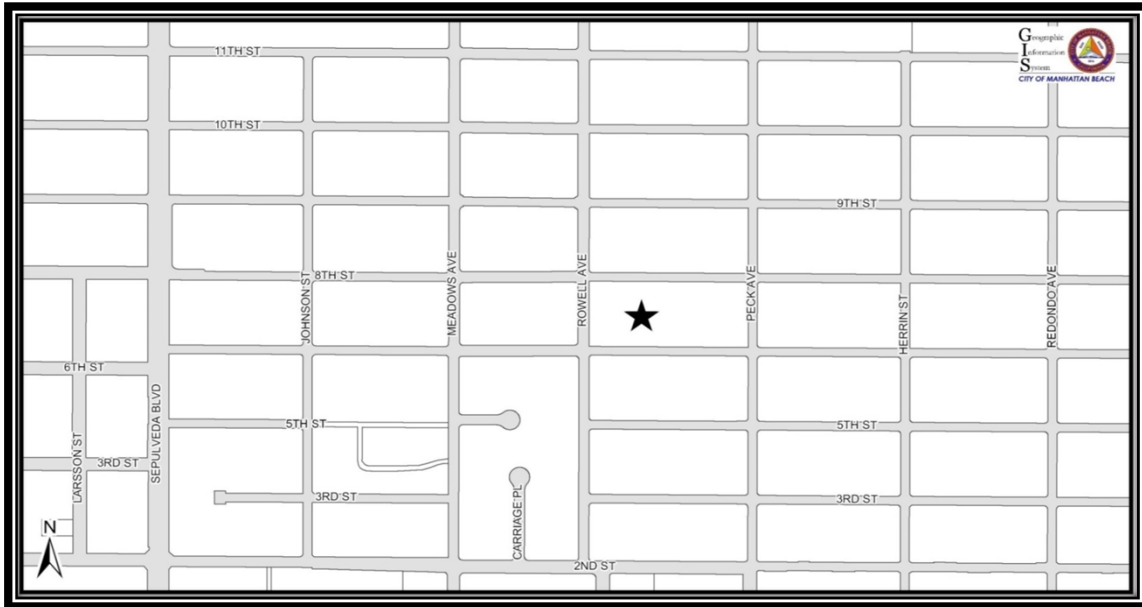
**Project Title:** Block 35 Ground Level Reservoir Replacement (Design Only)

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL               |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
|                           | Water Fund         | \$ 1,200,000                        | \$ -        |             |             |             |             | \$ 1,200,000        |
|                           | <b>TOTAL</b>       | <b>\$ 1,200,000</b>                 | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,200,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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

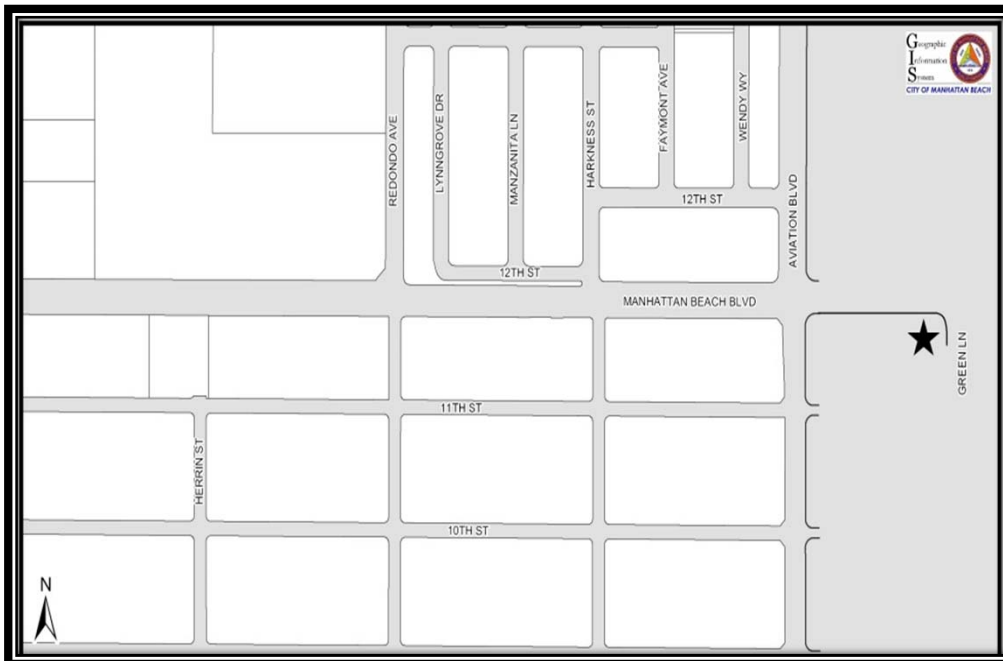
**Project Title:** Chloramination System at Wells 11 & 15

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | Water Fund         | \$ 302,879                          | \$ -        | \$ -        |             |             |             | \$ 302,879        |
|                           | <b>TOTAL</b>       | <b>\$ 302,879</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 302,879</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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 Booster Station Improvement

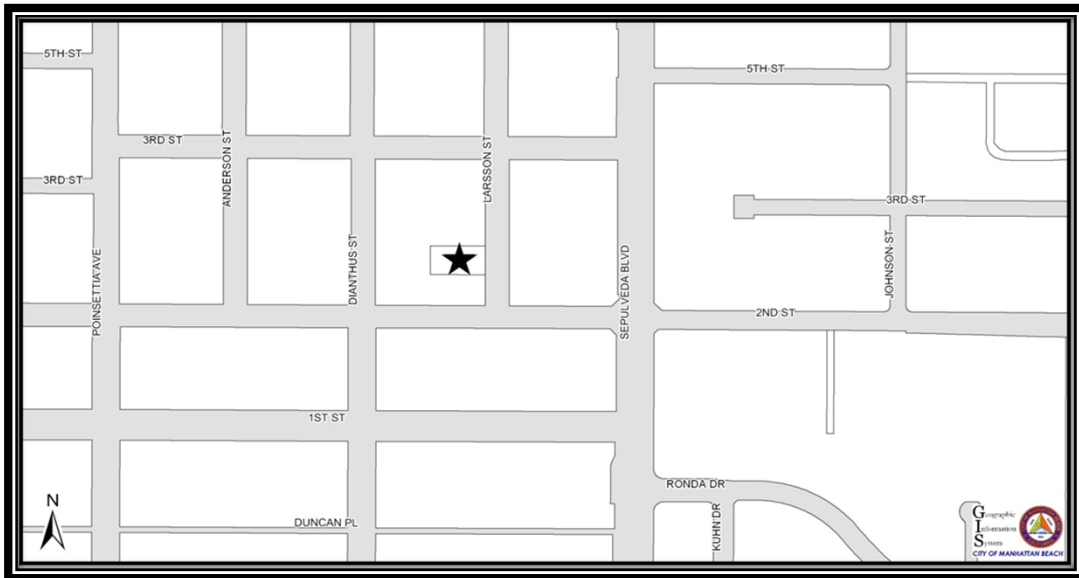
**Description:** Installation of three new motors, pumps, variable speed drives, motor controls, control valves, relief valve, piping, wiring, and new back-up generator.

**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.

This 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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | Water Fund         | \$ 745,500                          | \$ -        | \$ -        |             |             |             | \$ 745,500        |
|                           | <b>TOTAL</b>       | <b>\$ 745,500</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 745,500</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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

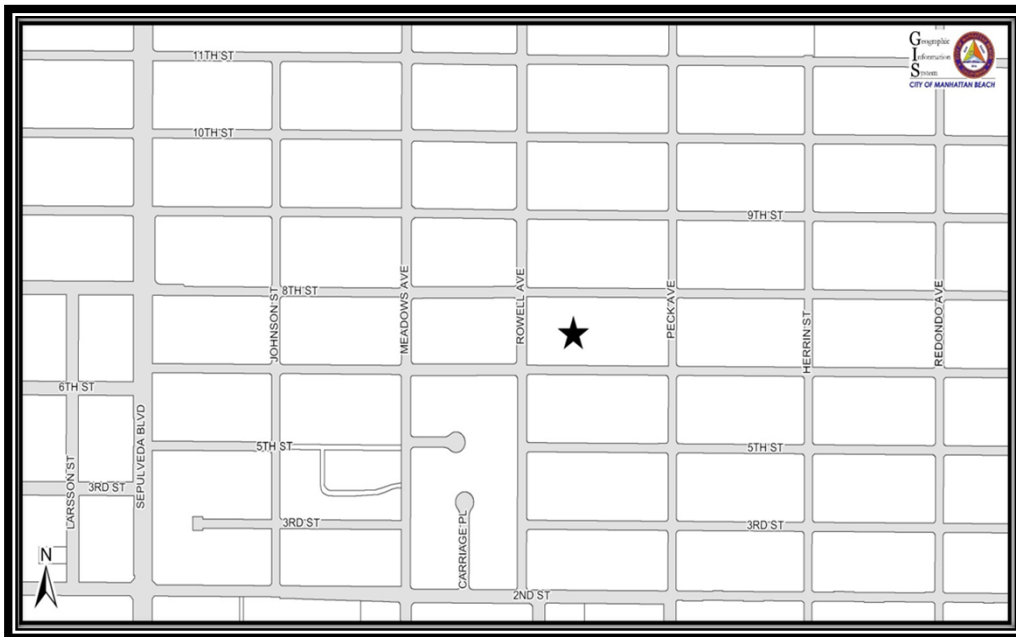
**Project Title:** Paint Block 35 Elevated Tank

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | Water Fund         | \$ 841,594                          | \$ -        | \$ -        |             |             |             | \$ 841,594        |
|                           | <b>TOTAL</b>       | <b>\$ 841,594</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 841,594</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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

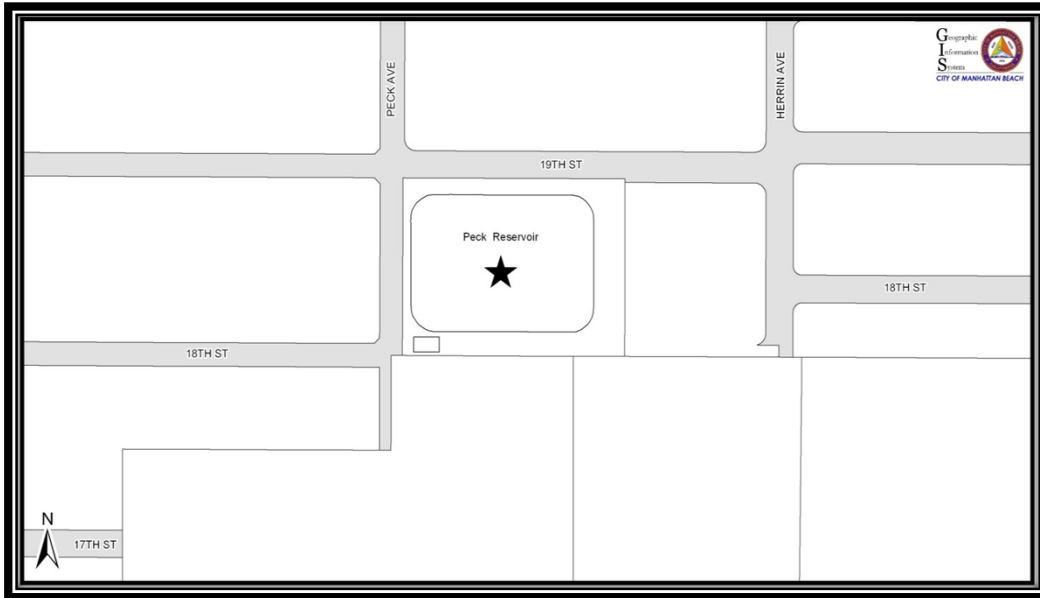
**Project Title:** Peck Ground Level Reservoir Replacement

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL                |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|----------------------|
|                           | Water Fund         | \$ 23,110,364                       | \$ -        |             |             |             |             | \$ 23,110,364        |
|                           | <b>TOTAL</b>       | <b>\$ 23,110,364</b>                | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 23,110,364</b> |

**Location Map:**





City of Manhattan Beach  
CIP 2020-2024 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

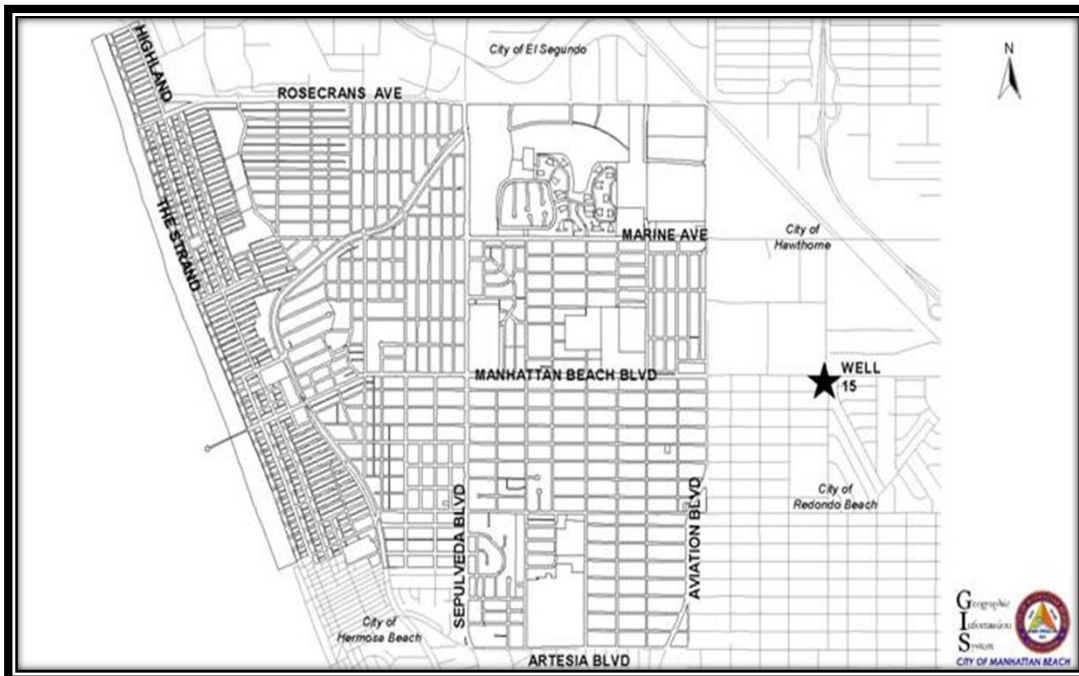
**Project Title:** Redrill & Equip Well 15

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | Water Fund         | \$ 650,000                          | \$ -        |             |             |             |             | \$ 650,000        |
|                           | <b>TOTAL</b>       | <b>\$ 650,000</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 650,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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 & 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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | Water Fund         | \$ 215,395                          | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 215,395        |
|                           | Wastewater Fund    | \$ 75,609                           | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 75,609         |
|                           | <b>TOTAL</b>       | <b>\$ 291,004</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 291,004</b> |

**Location**

**Map:**



City of Manhattan Beach  
CIP 2020-2024 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

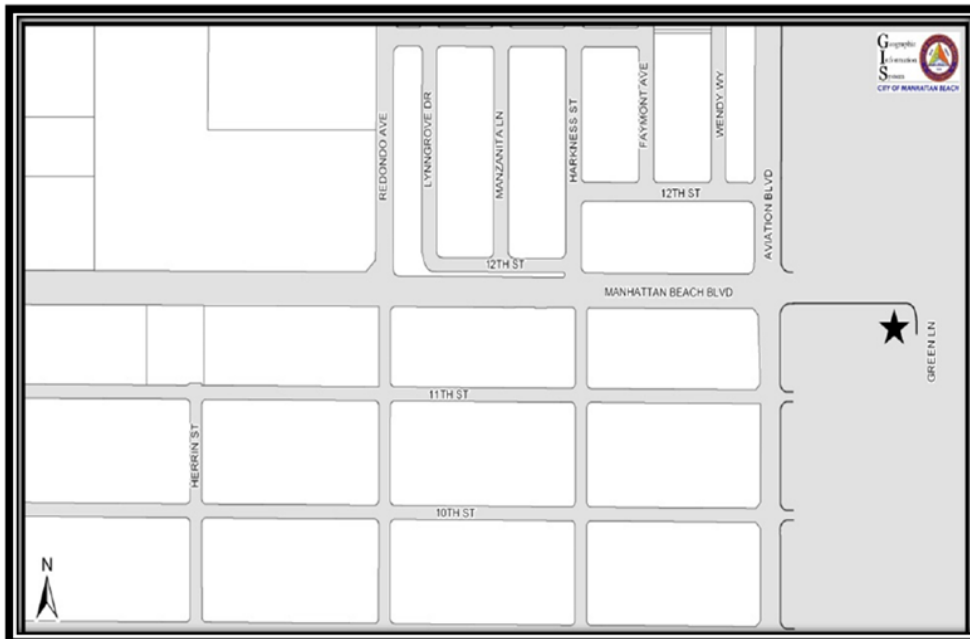
**Project Title:** Well 11A Variable Frequency Drive Installation

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | Water Fund         | \$ 125,000                          |             |             |             |             |             | \$ 125,000        |
|                           | <b>TOTAL</b>       | <b>\$ 125,000</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 125,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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

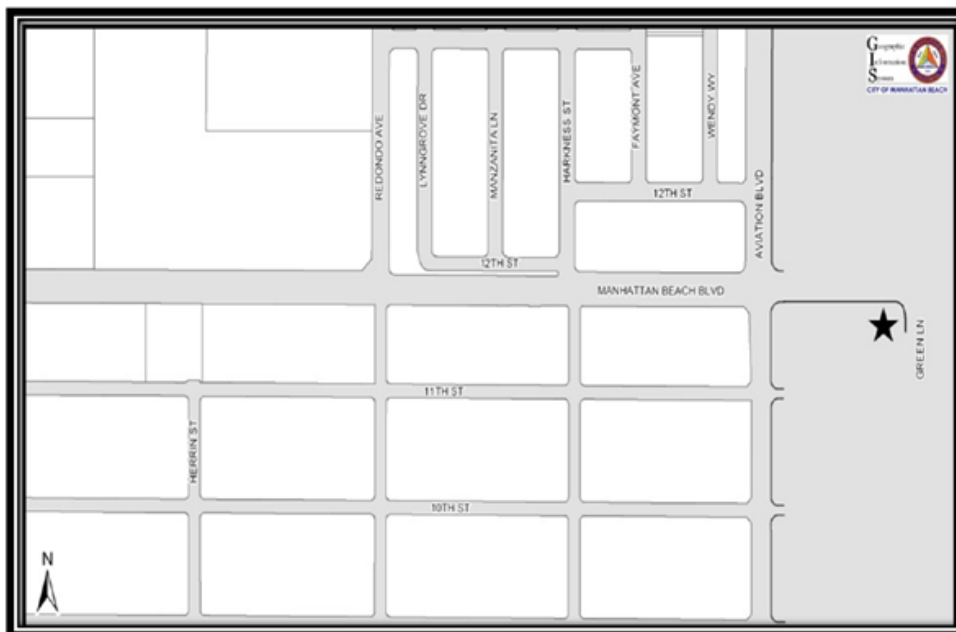
**Project Title:** Well 15 Electrical Panel Replacement and Variable Frequency Drive (VFD) Installation

**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 02-28-19 | FY2019-20 | FY2020-21 | FY2021-22 | FY2022-23 | FY2023-24 | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-------------------|
|                           | Water Fund         | \$ 300,000                          |           |           |           |           |           | \$ 300,000        |
|                           | <b>TOTAL</b>       | <b>\$ 300,000</b>                   | <b>\$</b> | <b>-</b>  | <b>\$</b> | <b>-</b>  | <b>\$</b> | <b>-</b>          |
|                           |                    |                                     |           |           |           |           |           | <b>\$ 300,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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 #:** 18302E

**Original Funding Year:** 2017-18

**General Plan Element Goals:** I-7

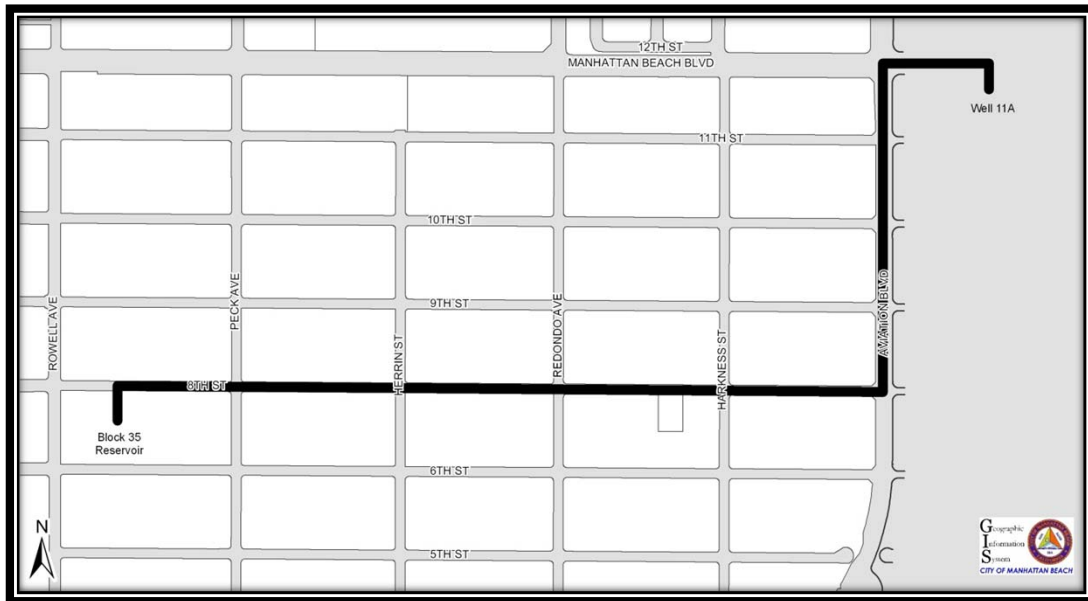
**Project Title:** Well Collection Line from Well 11A to Block 35 (Design Only)

**Description:** Prepare the design portion only of a potentially new well collection line from Well 11A to Block 35.

**Justification:** Design of the potentially new pipeline and attached isolation gate valves will create a hydraulic and operating redundancy whereby Well 11A water will be conveyed to the Block 35 Reservoir. Presently, Well 11A water can only be conveyed to the Peck Reservoir. The pipeline will be increased from 10 inches to 18 inches in diameter. This increase will allow for greater flow, which will allow water from both Well 11A and Well 15 to be delivered simultaneously to Block 35 Reservoir.

| Project Cost Information: | Funding Source(s): | Remaining Allocation as of 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | Water Fund         | \$ 700,000                          | \$ -        |             |             |             |             | \$ 700,000        |
|                           | <b>TOTAL</b>       | <b>\$ 700,000</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 700,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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 02-28-19 | FY2019-20   | FY2020-21         | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------------|-------------|-------------|-------------|-------------------|
|                           | Water Fund         | \$ -                                | \$ -        | \$ 300,000        |             |             | \$ -        | \$ 300,000        |
|                           | <b>TOTAL</b>       | <b>\$ -</b>                         | <b>\$ -</b> | <b>\$ 300,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 300,000</b> |

**Location Map:**

No map; plan update

City of Manhattan Beach  
CIP 2020-2024 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:** 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 02-28-19 | FY2019-20         | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------------|-------------|-------------|-------------|-------------|-------------------|
|                           | Water Fund         | \$ -                                | \$ 200,000        | \$ -        |             |             | \$ -        | \$ 200,000        |
|                           | <b>TOTAL</b>       | <b>\$ -</b>                         | <b>\$ 200,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 200,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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

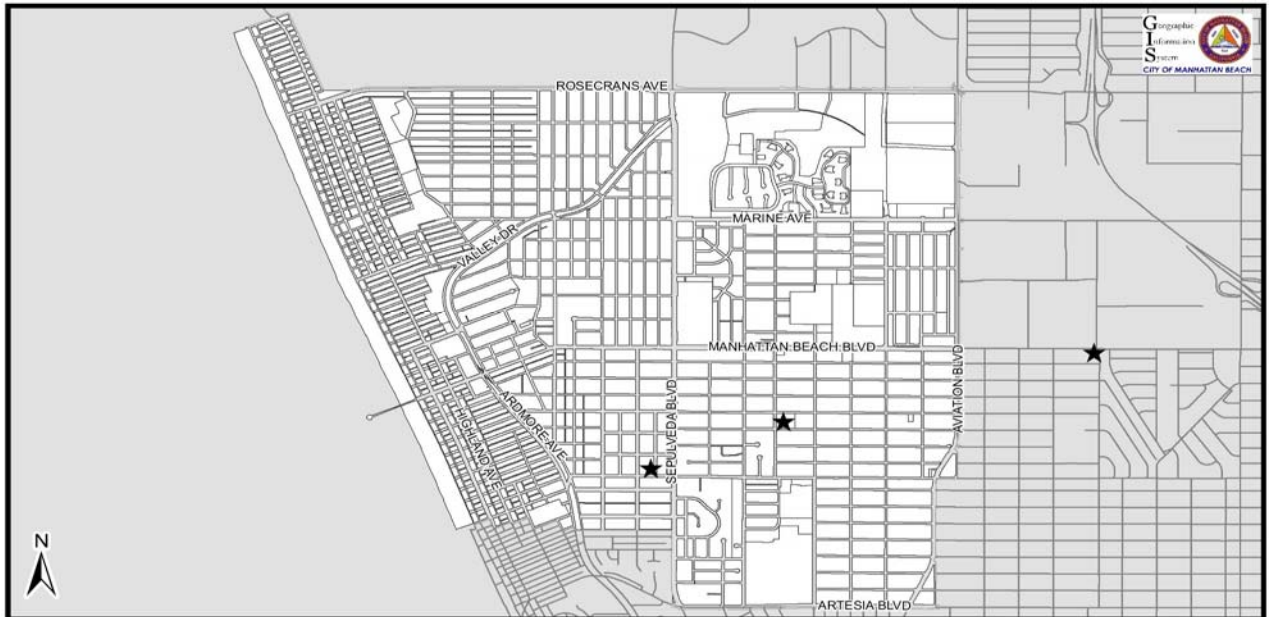
**Project Title:** Generator Upgrades at Larsson, Well 15 and Block 35

**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 02-28-19 | FY2019-20   | FY2020-21         | FY2021-22         | FY2022-23         | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------------|-------------------|-------------------|-------------|-------------------|
|                           | Water Fund         | \$ -                                | \$ -        | \$ 250,000        | \$ 250,000        | \$ 250,000        | \$ -        | \$ 750,000        |
|                           | <b>TOTAL</b>       | <b>\$ -</b>                         | <b>\$ -</b> | <b>\$ 250,000</b> | <b>\$ 250,000</b> | <b>\$ 250,000</b> | <b>\$ -</b> | <b>\$ 750,000</b> |

**Location Map:**





City of Manhattan Beach  
CIP 2020-2024 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 Debris Collection Devices

**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.

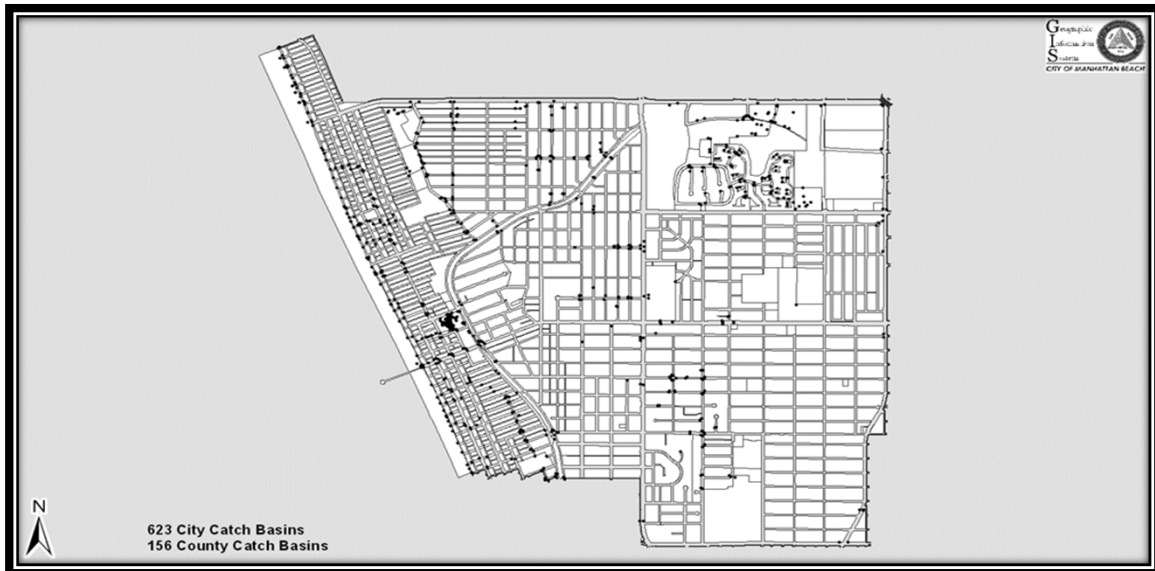
It is expected that the implementation requirement will be as follows:

- 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 02-28-19 | FY2019-20        | FY2020-21   | FY2021-22         | FY2022-23         | FY2023-24         | TOTAL               |
|---------------------------|--------------------|-------------------------------------|------------------|-------------|-------------------|-------------------|-------------------|---------------------|
|                           | Stormwater Fund    | \$ 670,159                          | \$ 60,000        |             | \$ 210,000        | \$ 210,000        | \$ 210,000        | \$ 1,360,159        |
|                           | <b>TOTAL</b>       | <b>\$ 670,159</b>                   | <b>\$ 60,000</b> | <b>\$ -</b> | <b>\$ 210,000</b> | <b>\$ 210,000</b> | <b>\$ 210,000</b> | <b>\$ 1,360,159</b> |

**Location**

**Map:**



City of Manhattan Beach  
CIP 2020-2024 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

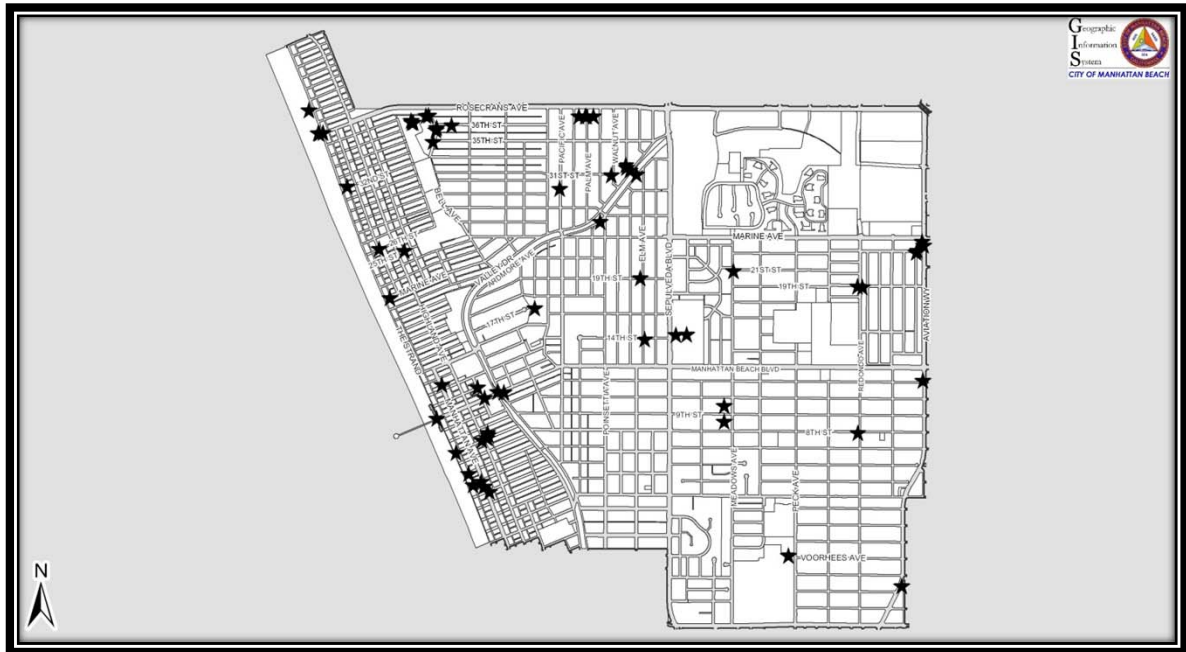
**Description:** Replace various sections of stormwater drain line.

**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 02-28-19 | FY2019-20         | FY2020-21   | FY2021-22         | FY2022-23         | FY2023-24         | TOTAL               |
|--------------------|-------------------------------------|-------------------|-------------|-------------------|-------------------|-------------------|---------------------|
| Stormwater Fund    | \$ 556,208                          | \$ 500,000        |             | \$ 500,000        | \$ 500,000        | \$ 500,000        | \$ 2,556,208        |
| <b>TOTAL</b>       | <b>\$ 556,208</b>                   | <b>\$ 500,000</b> | <b>\$ -</b> | <b>\$ 500,000</b> | <b>\$ 500,000</b> | <b>\$ 500,000</b> | <b>\$ 2,556,208</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** 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<br>Information: | Funding<br>Source(s): | Remaining<br>Allocation as<br>of 02-28-19 | FY2019-20         | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|------------------------------|-----------------------|-------------------------------------------|-------------------|-------------|-------------|-------------|-------------|-------------------|
|                              |                       |                                           |                   |             |             |             |             |                   |
|                              | Stormwater<br>Fund    |                                           | \$ 150,000        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 150,000        |
|                              | <b>TOTAL</b>          | <b>\$ -</b>                               | <b>\$ 150,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 150,000</b> |

**Location  
Map:**

No map; citywide

City of Manhattan Beach  
CIP 2020-2024 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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | Stormwater Fund    | \$ 250,000                          |             | \$ -        | \$ -        | \$ -        | \$ -        | \$ 250,000        |
|                           | <b>TOTAL</b>       | <b>\$ 250,000</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 250,000</b> |

**Location Map:**

No map; plan update

City of Manhattan Beach  
CIP 2020-2024 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 Project: Hermosa Greenbelt

**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 Hermosa Beach's Greenbelt only; 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 02-28-19 | FY2019-20   | FY2020-21         | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------------|-------------|-------------|-------------|-------------------|
|                           | Stormwater Fund    | \$ -                                | \$ -        | \$ 500,000        |             | \$ -        | \$ -        | \$ 500,000        |
|                           | <b>TOTAL</b>       | <b>\$ -</b>                         | <b>\$ -</b> | <b>\$ 500,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 500,000</b> |

**Location**

**Map:**

No map; along Hermosa Beach's Greenbelt only

City of Manhattan Beach  
CIP 2020-2024 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:** LU-3, LU-4, I-9, I-12, HE-3, & CS-1

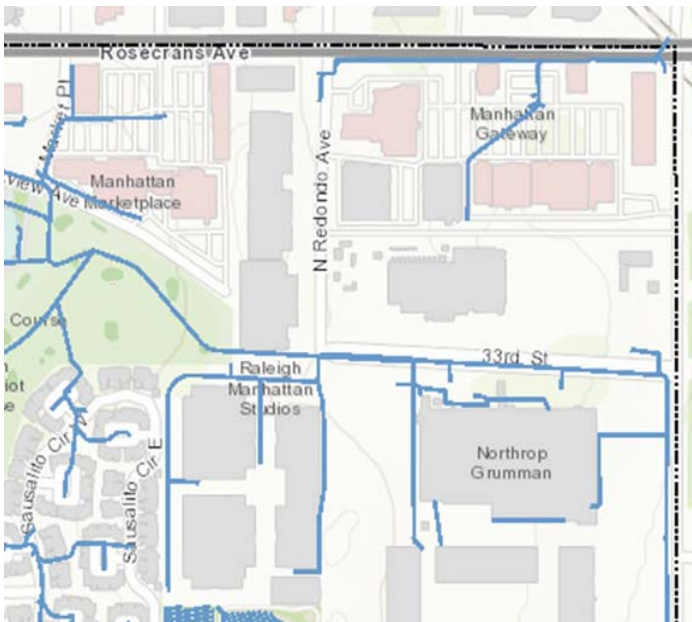
**Project Title:** Manhattan Village Trash Capture Device

**Description:** Trash and sediment capture device installation for street and site runoff from Manhattan Village and surrounding areas.

**Justification:** The hydrodynamic separator device uses swirl concentration and continuous deflective separation to screen, separate and trap trash, debris, sediment, and hydrocarbons. The separator captures and retains almost 100% of floatables and neutrally buoyant debris, effectively removes sediment.

| Project Cost Information: | Funding Source(s): | Remaining Allocation as of 02-28-19 | FY2019-20  | FY2020-21  | FY2021-22 | FY2022-23 | FY2023-24 | TOTAL      |
|---------------------------|--------------------|-------------------------------------|------------|------------|-----------|-----------|-----------|------------|
|                           | Stormwater Fund    |                                     |            | \$ 710,000 |           |           |           | \$ 710,000 |
|                           | <b>TOTAL</b>       | \$ -                                | \$ 710,000 | \$ -       | \$ -      | \$ -      | \$ -      | \$ 710,000 |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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

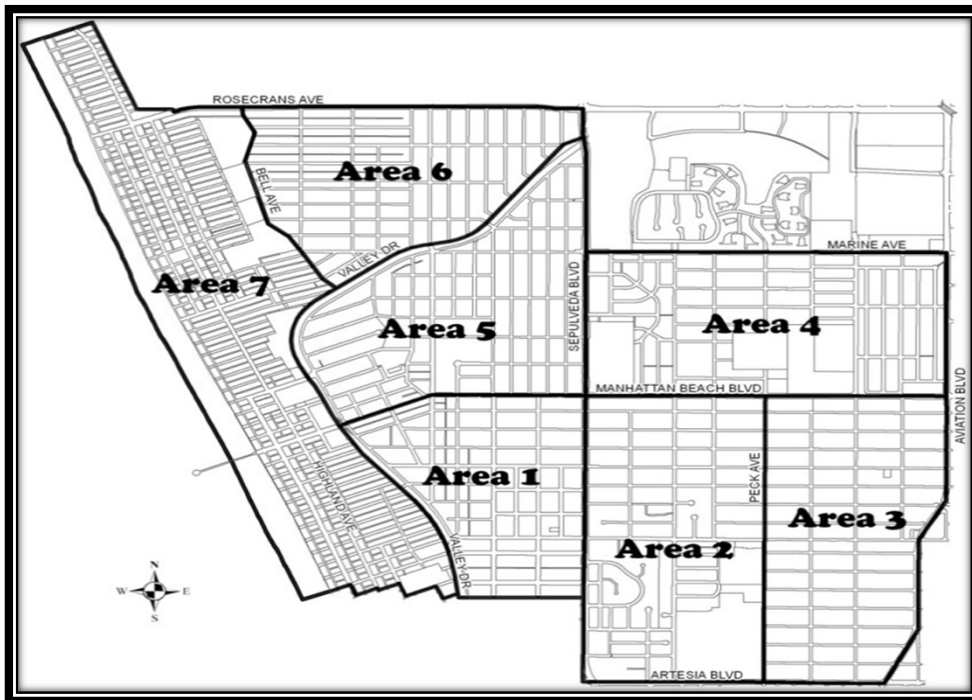
**Project Title:** Annual Rehabilitation of Gravity Sewer Mains

**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 02-28-19 | FY2019-20           | FY2020-21           | FY2021-22           | FY2022-23           | FY2023-24           | TOTAL               |
|---------------------------|--------------------|-------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                           | Wastewater Fund    | \$ 1,648,200                        | \$ 1,100,000        | \$ 1,100,000        | \$ 1,100,000        | \$ 1,100,000        | \$ 2,000,000        | \$ 8,048,200        |
|                           | <b>TOTAL</b>       | <b>\$ 1,648,200</b>                 | <b>\$ 1,100,000</b> | <b>\$ 1,100,000</b> | <b>\$ 1,100,000</b> | <b>\$ 1,100,000</b> | <b>\$ 2,000,000</b> | <b>\$ 8,048,200</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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.

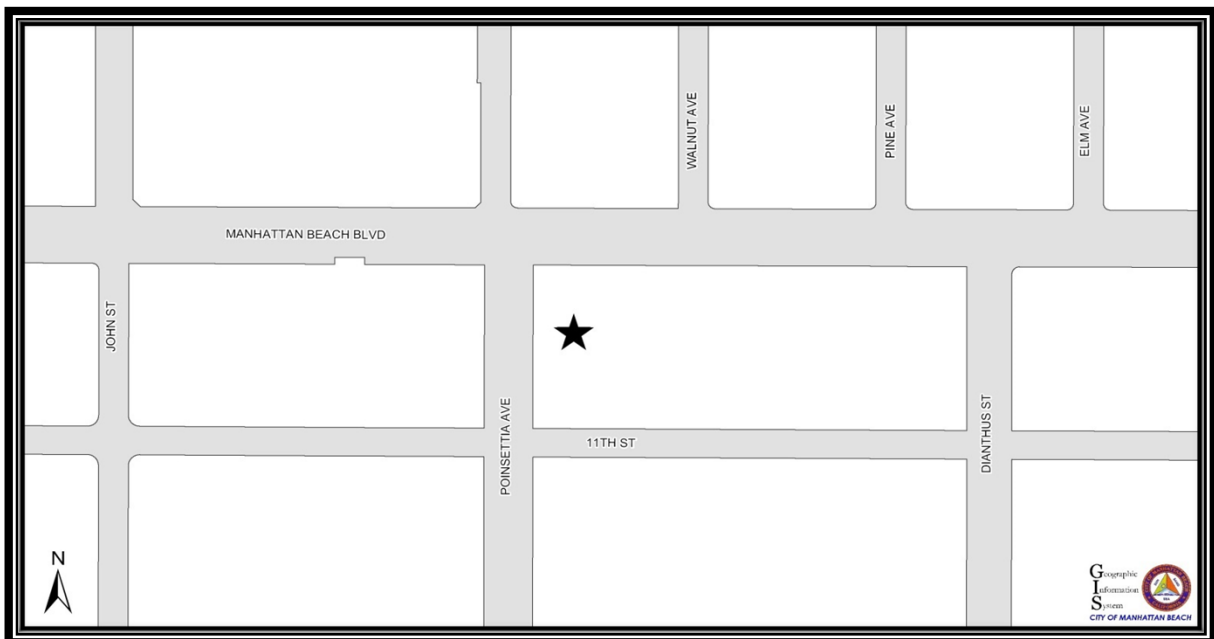
To provide the additional storage required, a new and deeper wet well must be constructed. It is possible that the existing dry/wet well could be used as the future dry well; however doing so would reduce the efficiency of the pumps and increase cavitation potential. It is recommended that a completely 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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL               |
|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
| Wastewater Fund    | \$ 3,297,480                        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 3,297,480        |
| <b>TOTAL</b>       | <b>\$ 3,297,480</b>                 | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 3,297,480</b> |

**Location Map:**





City of Manhattan Beach  
CIP 2020-2024 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:** Pacific Lift Station Upgrade, Emergency Storage, and Force Main Replacement

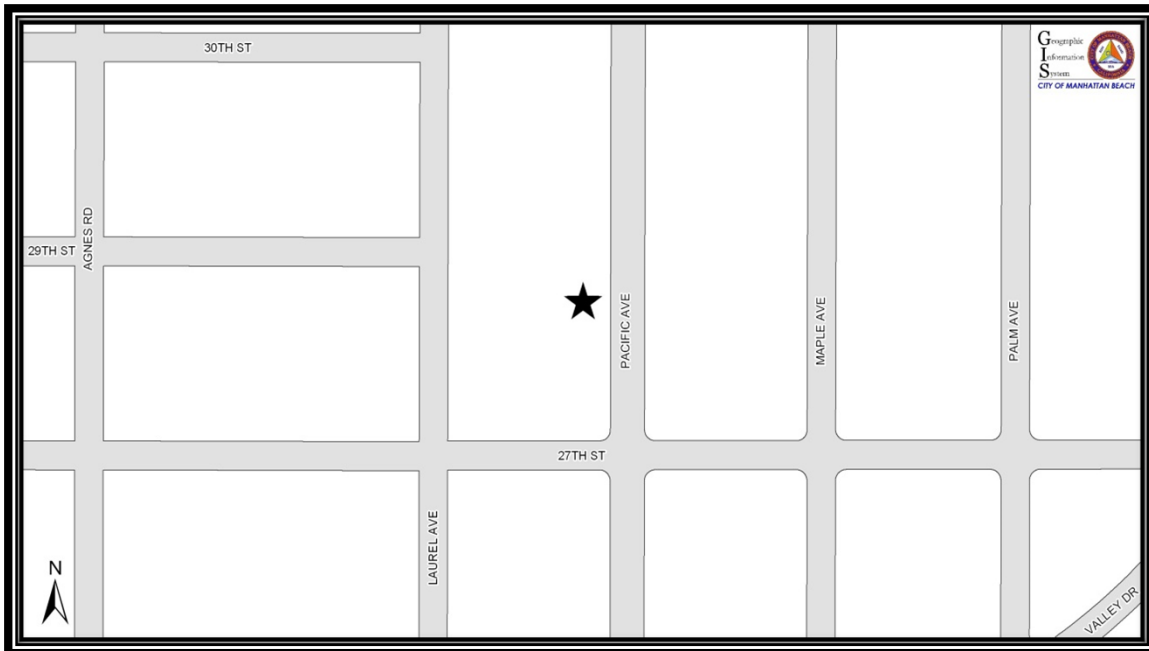
**Description:** Improvement of the Pacific Avenue Sewage Lift Station and installation of a second force main.

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL               |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|---------------------|
|                           | Wastewater Fund    | \$ 2,400,000                        |             |             |             |             |             | \$ 2,400,000        |
|                           | <b>TOTAL</b>       | <b>\$ 2,400,000</b>                 | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 2,400,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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 & 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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| Wastewater Fund    | \$ 75,609                           | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 75,609         |
| Water Fund         | \$ 215,395                          | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 215,395        |
| <b>TOTAL</b>       | <b>\$ 291,004</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 291,004</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Voorhees Lift Station Upgrade, Emergency Storage, and Force Main Replacement

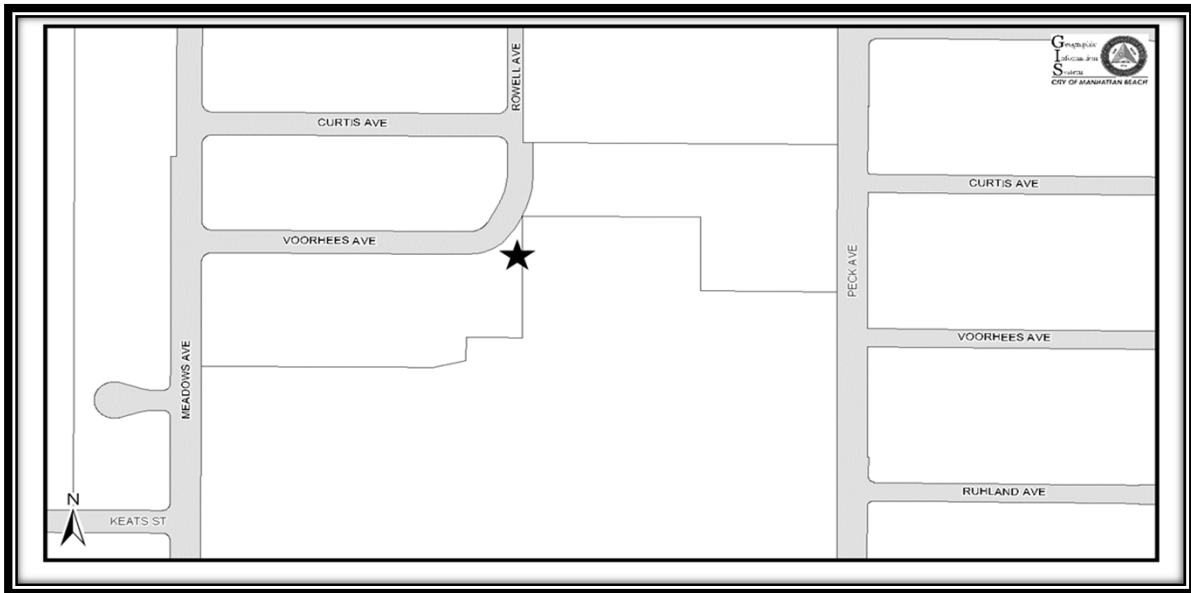
**Description:** Improvement of the Voorhees Sewage Lift Station and installation of a second force main.

**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 02-28-19 | FY2019-20           | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL               |
|---------------------------|--------------------|-------------------------------------|---------------------|-------------|-------------|-------------|-------------|---------------------|
|                           | Wastewater Fund    | \$ -                                | \$ 2,150,000        | \$ -        |             |             |             | \$ 2,150,000        |
|                           | <b>TOTAL</b>       | <b>\$ -</b>                         | <b>\$ 2,150,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 2,150,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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.

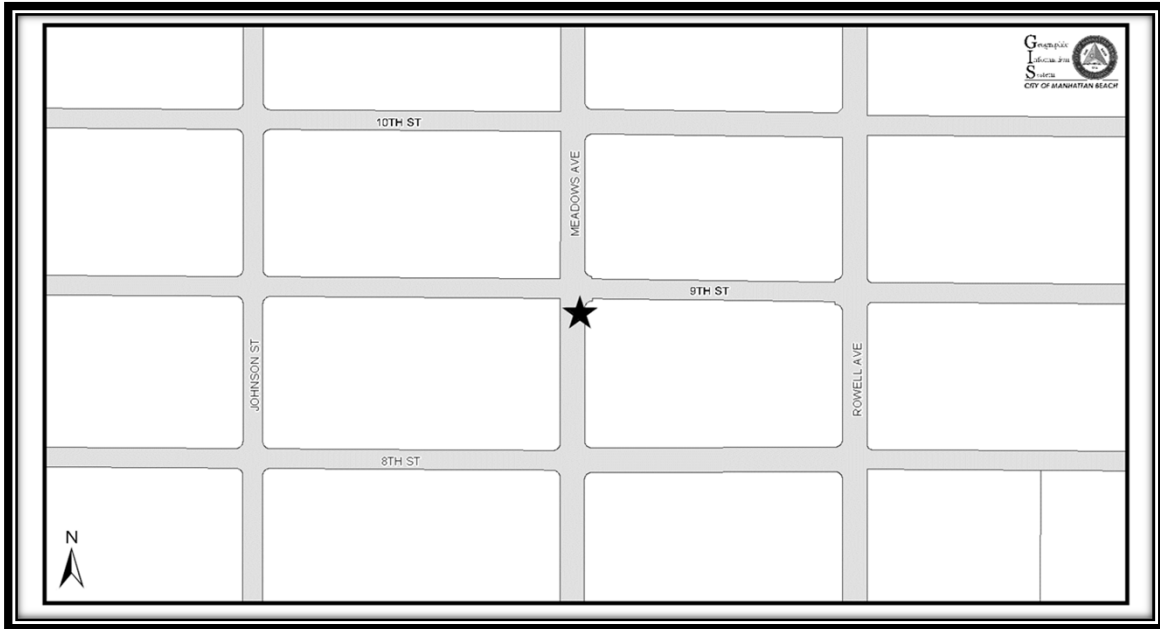
**Justification:** The Meadows Lift Station is located on Meadows Avenue immediately south of 9th Street. The current station could not pump at the needed rate if one of the two pumps fail or is taken out of service for maintenance. Additionally, there is insufficient storage at the station. This project 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 02-28-19 | FY2019-20   | FY2020-21           | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL               |
|--------------------|-------------------------------------|-------------|---------------------|-------------|-------------|-------------|---------------------|
| Wastewater Fund    | \$ -                                | \$ -        | \$ 1,600,000        | \$ -        |             | \$ -        | \$ 1,600,000        |
| <b>TOTAL</b>       | <b>\$ -</b>                         | <b>\$ -</b> | <b>\$ 1,600,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,600,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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 02-28-19 | FY2019-20   | FY2020-21         | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------------|-------------|-------------|-------------|-------------------|
|                           | Wastewater Fund    | \$ -                                | \$ -        | \$ 300,000        |             |             | \$ -        | \$ 300,000        |
|                           | <b>TOTAL</b>       | <b>\$ -</b>                         | <b>\$ -</b> | <b>\$ 300,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 300,000</b> |

**Location**

**Map:**

No map; plan update

City of Manhattan Beach  
CIP 2020-2024 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

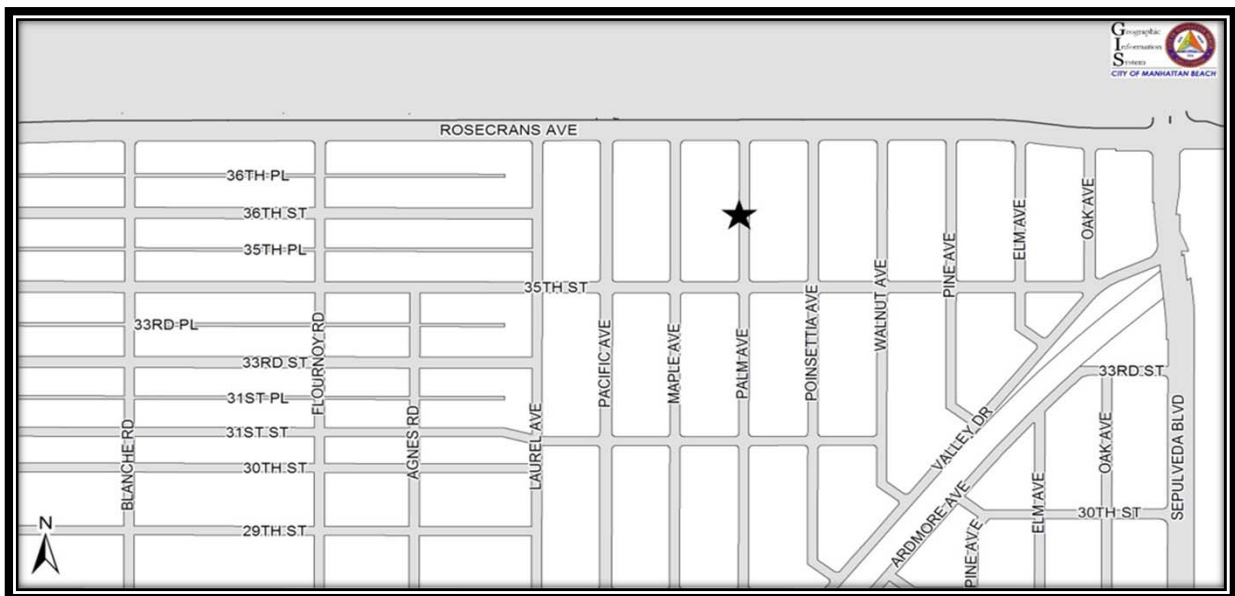
**Project Title:** Palm Lift Station Upgrade, Emergency Storage, and Force Main Replacement

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22           | FY2022-23   | FY2023-24   | TOTAL               |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|---------------------|-------------|-------------|---------------------|
|                           | Wastewater Fund    | \$ -                                | \$ -        | \$ -        | \$ 1,400,000        | \$ -        |             | \$ 1,400,000        |
|                           | <b>TOTAL</b>       | <b>\$ -</b>                         | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,400,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,400,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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

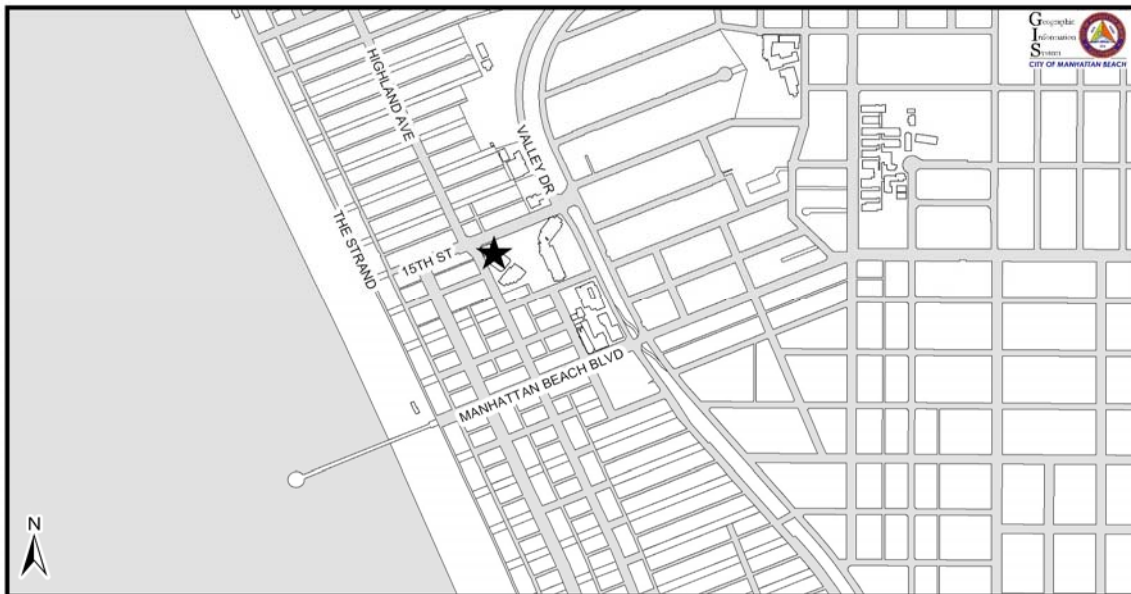
**Project Title:** City Hall Lift Station Upgrade, Emergency Storage, and Force Main Replacement

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23           | FY2023-24   | TOTAL               |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|---------------------|-------------|---------------------|
|                           | Wastewater Fund    | \$ -                                | \$ -        | \$ -        | \$ -        | \$ 1,000,000        |             | \$ 1,000,000        |
|                           | <b>TOTAL</b>       | <b>\$ -</b>                         | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,000,000</b> | <b>\$ -</b> | <b>\$ 1,000,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Refuse Fund

**Carryover Project #:** 15845E

**Original Funding Year:** 2014-15

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

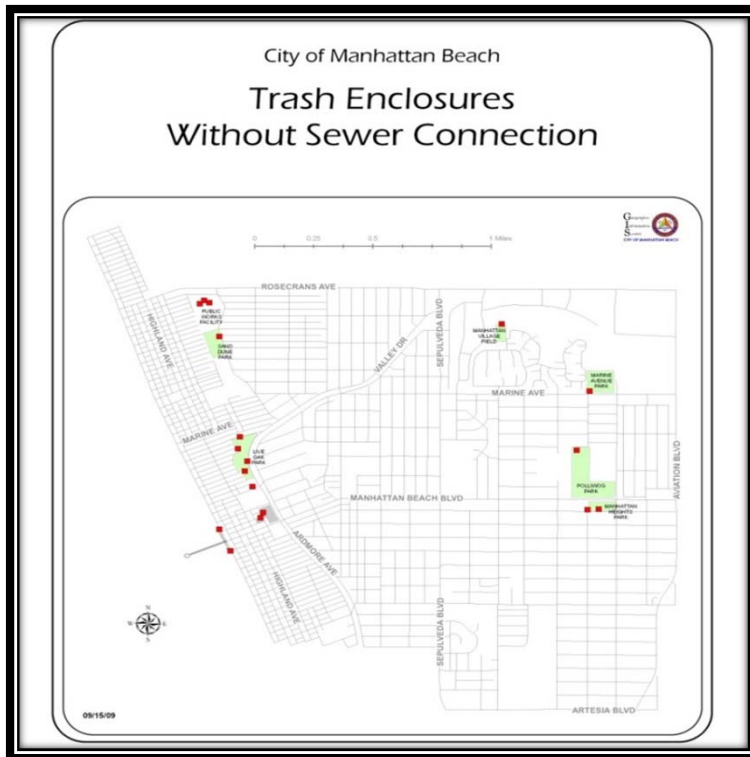
**Project Title:** City-Owned Refuse Enclosure Improvements: Design

**Description:** Design 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 02-28-19 | FY2019-20         | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------------|-------------|-------------|-------------|-------------|-------------------|
|                           | Refuse Fund        | \$ 150,000                          | \$ 650,000        | \$ -        |             | \$ -        | \$ -        | \$ 800,000        |
|                           | <b>TOTAL</b>       | <b>\$ 150,000</b>                   | <b>\$ 650,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 800,000</b> |

**Location Map:**





City of Manhattan Beach  
CIP 2020-2024 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

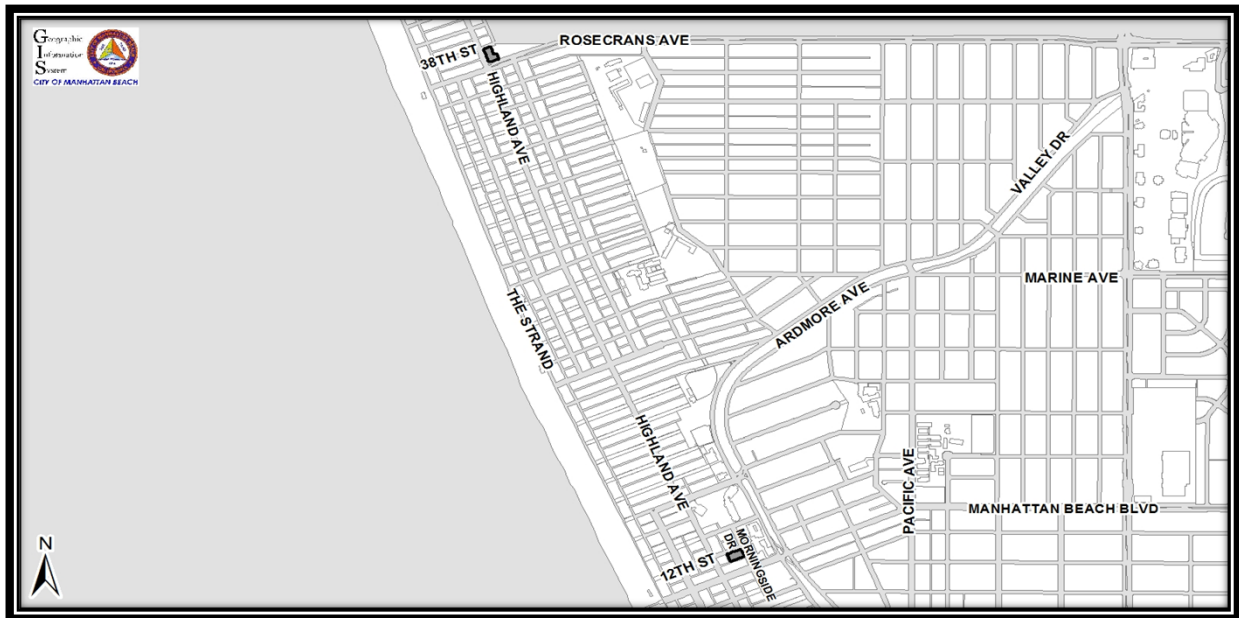
**Project Title:** Parking Structure Structural Rehab: Lot 4

**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 02-28-19 | FY2019-20         | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------------|-------------|-------------|-------------|-------------|-------------------|
|                           | Parking Fund       | \$ 480,250                          | \$ 250,000        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 730,250        |
|                           | <b>TOTAL</b>       | <b>\$ 480,250</b>                   | <b>\$ 250,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 730,250</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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

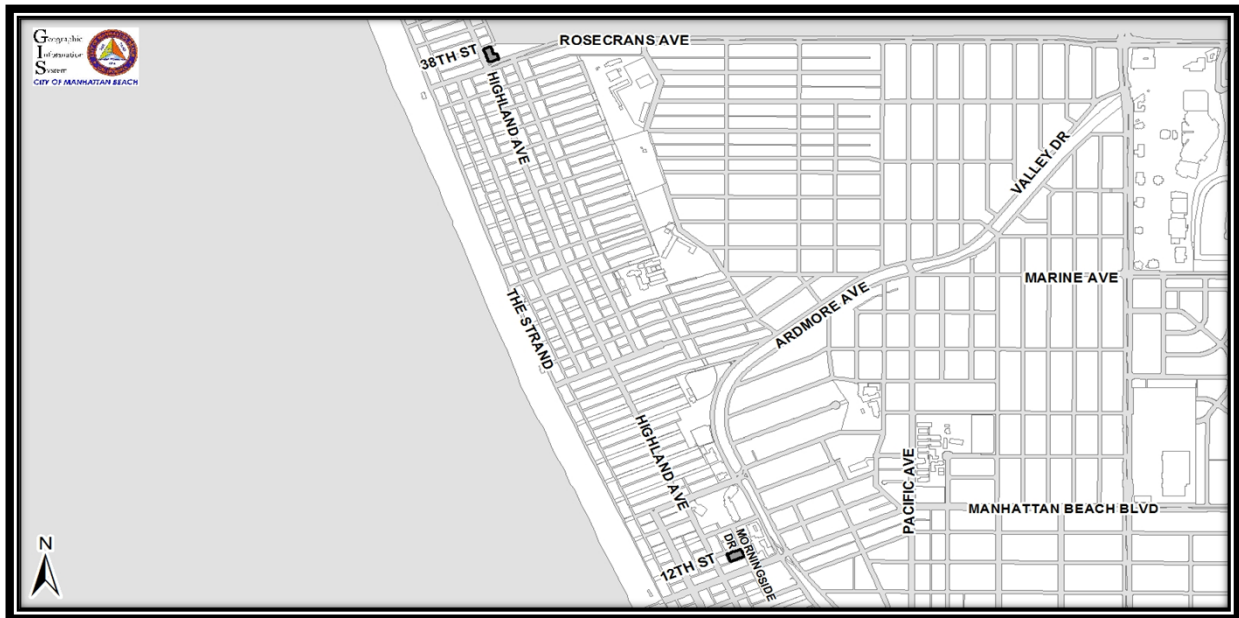
**Project Title:** Parking Structure Structural Analysis/Design: Lot 3

**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 02-28-19 | FY2019-20 | FY2020-21 | FY2021-22 | FY2022-23  | FY2023-24  | TOTAL      |
|---------------------------|--------------------|-------------------------------------|-----------|-----------|-----------|------------|------------|------------|
|                           | Parking Fund       |                                     |           | \$ -      | \$ -      | \$ 150,000 | \$ 800,000 | \$ 950,000 |
|                           | <b>TOTAL</b>       |                                     | \$ -      | \$ -      | \$ -      | \$ 150,000 | \$ 800,000 | \$ 950,000 |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** I-3, I-4, I-11

**Project Title:** Parking Meter Upgrades

**Description:** Replacement and upgrade of the current parking meters citywide.

**Justification:** The current meters have reached their useful life and require replacement. The new meters will sync with a mobile app, allowing the community to view available meters and their locations.

| Project Cost Information: | Funding Source(s): | Remaining Allocation as of 02-28-19 | FY2019-20   | FY2020-21           | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL               |
|---------------------------|--------------------|-------------------------------------|-------------|---------------------|-------------|-------------|-------------|---------------------|
|                           | Parking Fund       |                                     |             | \$ 1,400,000        | \$ -        |             |             | \$ 1,400,000        |
|                           | <b>TOTAL</b>       | <b>\$ -</b>                         | <b>\$ -</b> | <b>\$ 1,400,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 1,400,000</b> |

**Location**

**Map:**

No map; citywide

City of Manhattan Beach  
CIP 2020-2024 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:** NMB-BID Fund

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**General Plan Element Goals:** LU-9

**Project Title:** Tree and Grate Installations (North Manhattan Beach - Business Improvement District)

**Description:** Install new trees and grates in North Manhattan Beach in the Business Improvement District.

**Justification:** The North Manhattan Beach - Business Improvement District is using some of its funds for this improvement project. Tree grates would essentially widen the walking pathway.

| Project Cost Information: | Funding Source(s): | Remaining Allocation as of 02-28-19 | FY2019-20         | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------------|-------------|-------------|-------------|-------------|-------------------|
|                           | NMB-BID Fund       |                                     | \$ 200,000        |             |             |             |             | \$ 200,000        |
|                           | <b>TOTAL</b>       | <b>\$ -</b>                         | <b>\$ 200,000</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 200,000</b> |

**Location**

**Map:**

No map; locations to be determined

City of Manhattan Beach  
CIP 2020-2024 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 #:** 17801E

**Original Funding Year:** 2016-17

**General Plan Element Goals:** CR-1

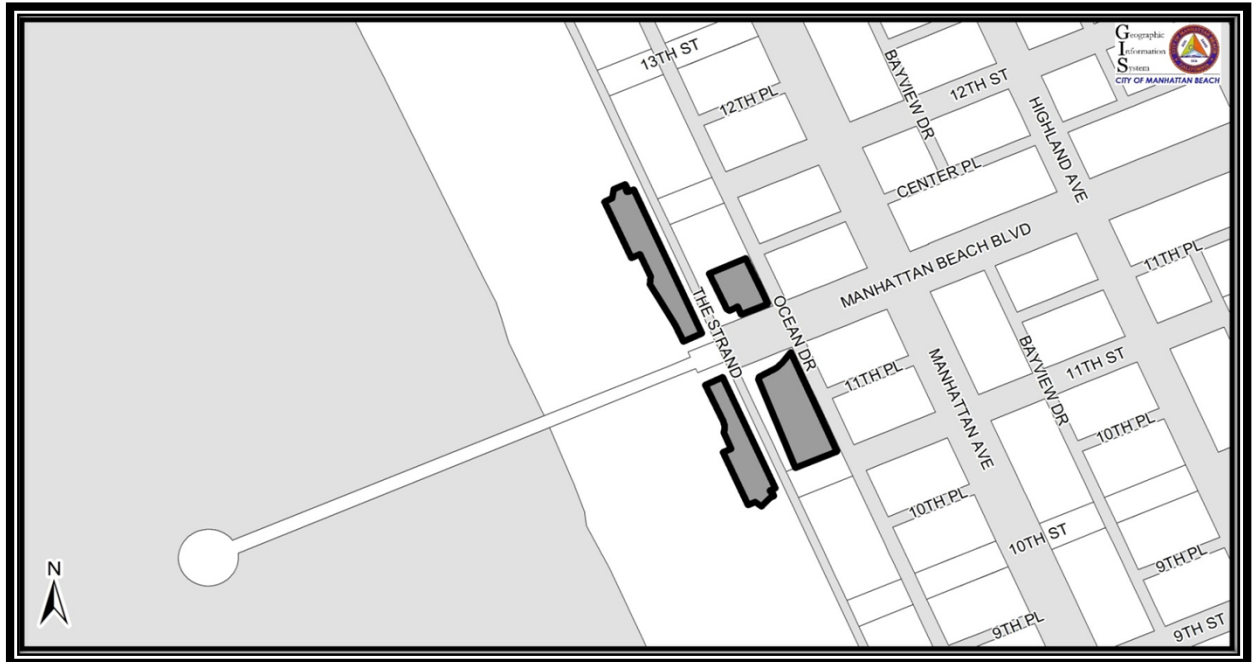
**Project Title:** Pier Lot Safety Lighting

**Description:** Design and construct parking lot lighting in the Upper and Lower Pier lots.

**Justification:** There are no lighting fixtures in the upper and lower pier parking lots. the only illumination comes from adjacent street lights. The low lighting levels make it difficult to read the parking meters and see pedestrians when entering/exiting parking spaces. Higher lighting levels improve personal safety, and lower crime rates. A parking lot user informed the City about the low lighting levels when the person had difficulty reading the parking meter at night.

| Project Cost Information: | Funding Source(s): | Remaining Allocation as of 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL            |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|------------------|
|                           | Parking Fund       | \$ 40,000                           | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 40,000        |
|                           | <b>TOTAL</b>       | <b>\$ 40,000</b>                    | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 40,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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

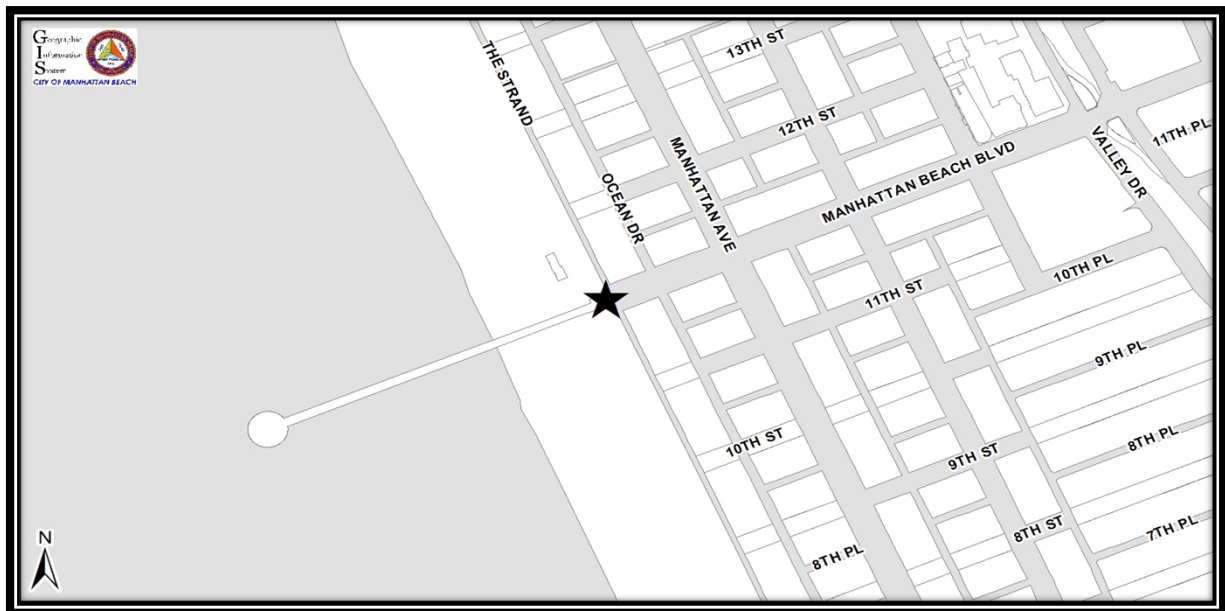
**Project Title:** Pier Railings: Design

**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 02-28-19 | FY2019-20   | FY2020-21   | FY2021-22   | FY2022-23   | FY2023-24   | TOTAL             |
|---------------------------|--------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------------|
|                           | State Pier Fund    | \$ 200,000                          | \$ -        | \$ -        | \$ -        | \$ -        |             | \$ 200,000        |
|                           | <b>TOTAL</b>       | <b>\$ 200,000</b>                   | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ -</b> | <b>\$ 200,000</b> |

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Annual Traffic Signal Upgrades/Replacements

**Description:** This annual program is designed to perform upgrades and replacements of traffic signals. A different area is addressed each year, so that the entire City is improved.

**Justification:** Although this title may be new to the CIP, the work is not. Rather than assign individual project numbers to each traffic signal location, this project number will represent all future traffic signal upgrade and replacement projects beginning FY19-20.

**Estimated Project Cost:** \$ 3,500,000.00 (\$700,000 Annually)

**Location Map:**

No map; citywide

City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

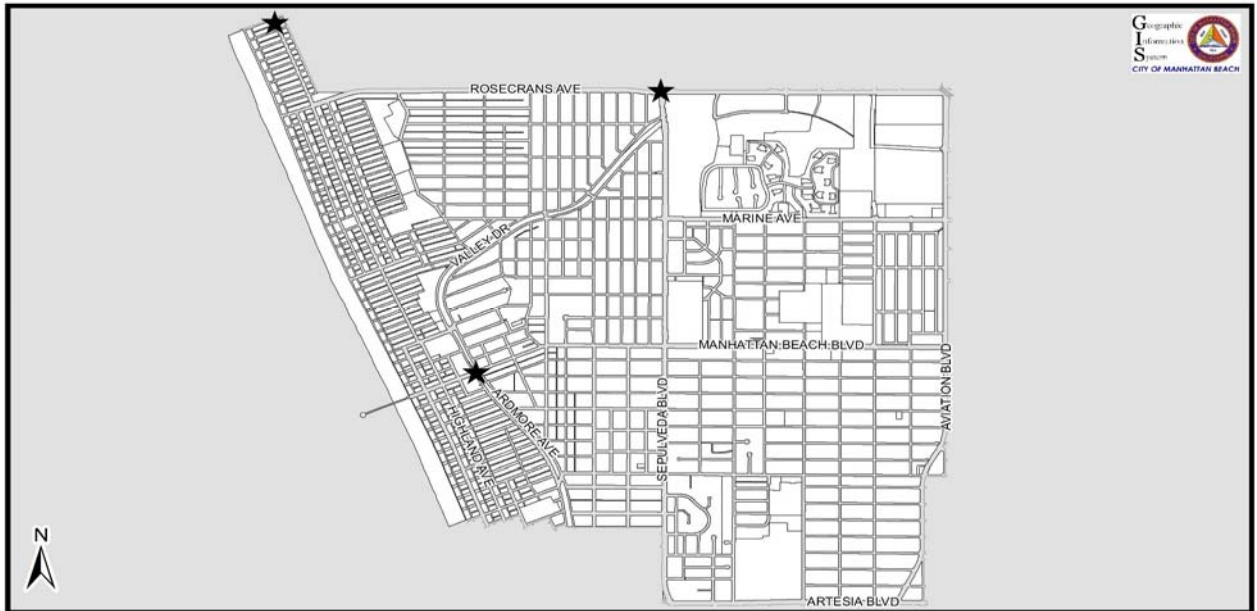
**Project Title:** License Plate Readers and Poles

**Description:** Install Fixed License Plate Readers on existing signal poles at northbound 45th St. at Highland Ave., the intersection of Valley Dr. and Manhattan Beach Blvd., and the intersection of Rosecrans Ave. and Sepulveda 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.

**Estimated  
Project Cost:** \$ 150,000.00

**Location  
Map:**





City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** El Porto Traffic Controls

**Description:** Complete a traffic study and determine and implement future design and construction projects for traffic control in El Porto.

**Justification:** The City has received concerns regarding the speed of vehicles, traffic controls, and pedestrian crossings in El Porto. This Project can address these concerns through traffic studies and identified traffic improvements.

**Estimated  
Project Cost:**

Unknown

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

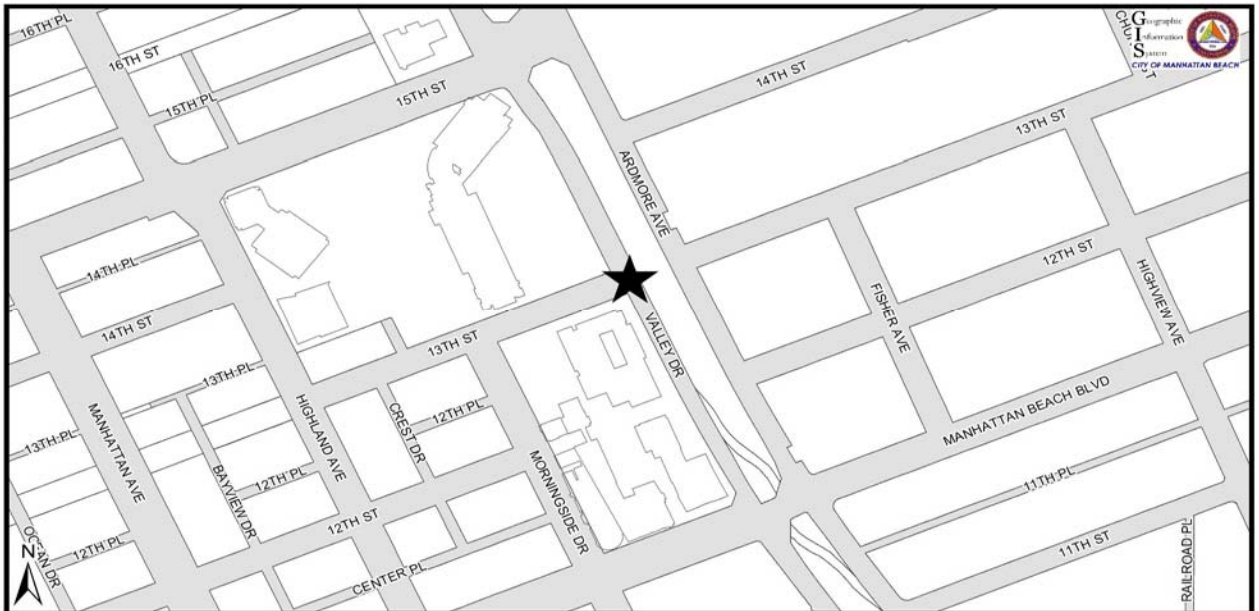
**Project Title:** Pedestrian Crossing at 13th St. and Valley Dr.

**Description:** Design and install a pedestrian crossing at 13th St. and Valley Dr.

**Justification:** The existing closest pedestrian crossings on Valley Dr. are at 15th St. and Manhattan Beach Blvd. This project would provide a pedestrian crossing at 13th St.

**Estimated  
Project Cost:** \$ 300,000.00

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Manhattan Beach Blvd. and Polliwog Midblock Pedestrian Crossing

**Description:** Design and install a midblock pedestrian crossing on Manhattan Beach Blvd. at Polliwog Park.

**Justification:** The existing closest pedestrian crossings on Manhattan Beach Blvd. at Polliwog Park are at Redondo Ave. and Peck Ave. This project would provide a midblock pedestrian crossing.

**Estimated  
Project Cost:** \$ 250,000.00

**Location  
Map:**

No map; exact point of crossing to be determined

City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

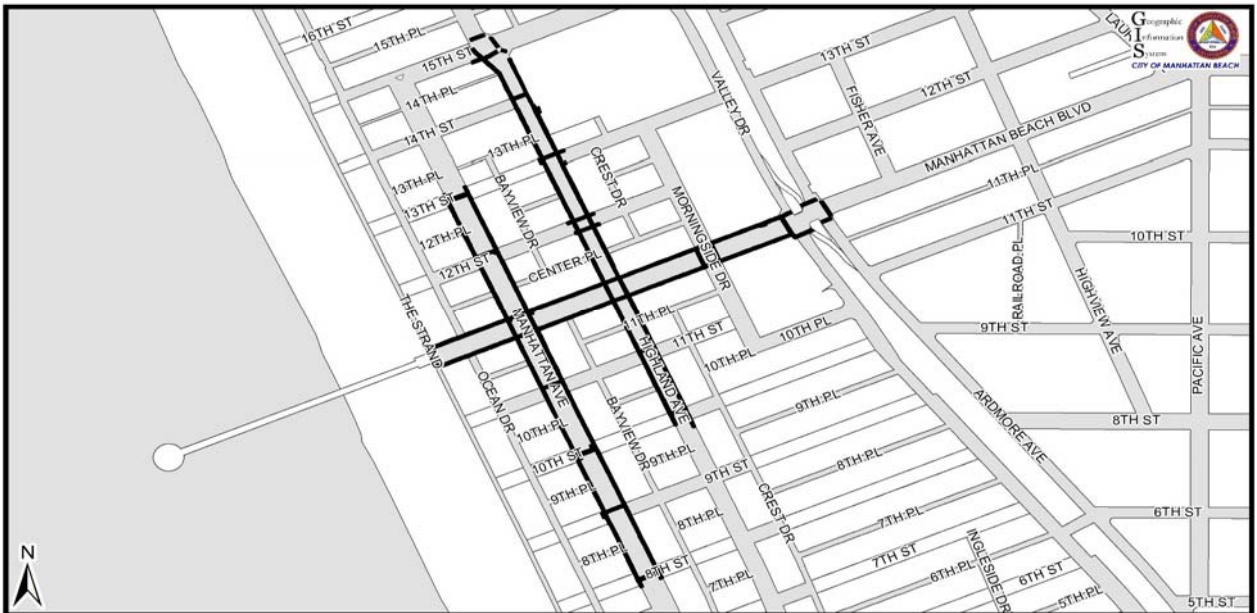
**Project Title:** Downtown Sidewalk and Crosswalk Replacement

**Description:** Replace sidewalks and crosswalks located downtown.

**Justification:** The existing sidewalks and crosswalks located downtown are deteriorated and rehabilitation is required.

**Estimated  
Project Cost:** \$ 2,000,000.00

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Install Tree Grates on Highland Ave.

**Description:** Installation of tree grates on Highland Ave.

**Justification:** The sidewalk is narrow in locations where there are trees in the sidewalk along Highland Ave. This project would widen the walking pathway.

**Estimated  
Project Cost:** \$ 225,000.00

**Location  
Map:**

No map; various locations Downtown on Highland Ave.

City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

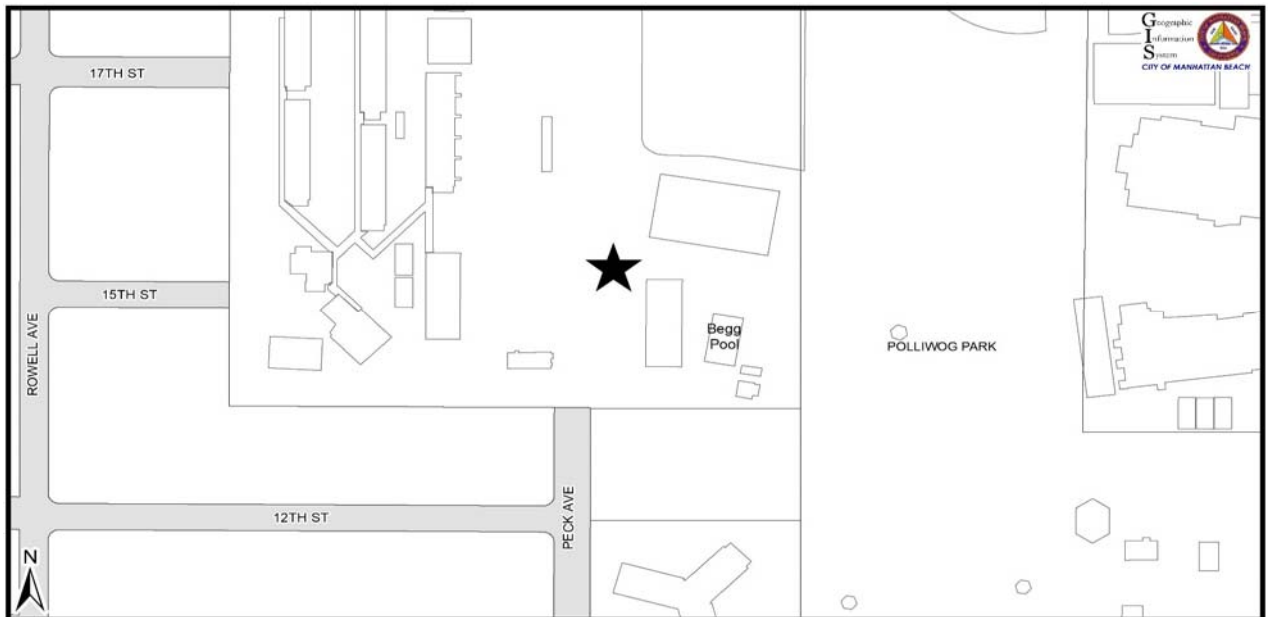
**Project Title:** Begg Pool Access Road - Widen and New Retaining Wall

**Description:** Design and construction for a new retaining wall and widening the access road to Begg Pool.

**Justification:** The access road to Begg Pool needs to be widened to accommodate emergency services, and widening the roadway requires the installation of a new retaining wall.

**Estimated  
Project Cost:** \$ 500,000.00

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Replace Three Banner Poles Across Streets

**Description:** Replace the infrastructure needed to hang street banners across three city streets:

1. Across Sepulveda Blvd., at Manhattan Beach Blvd.
2. Across Sepulveda Blvd., at Marine Ave.
3. Across Highland Ave, just north of Rosecrans (potentially new location at request of North End Business Improvement District; exact cross street TBD)

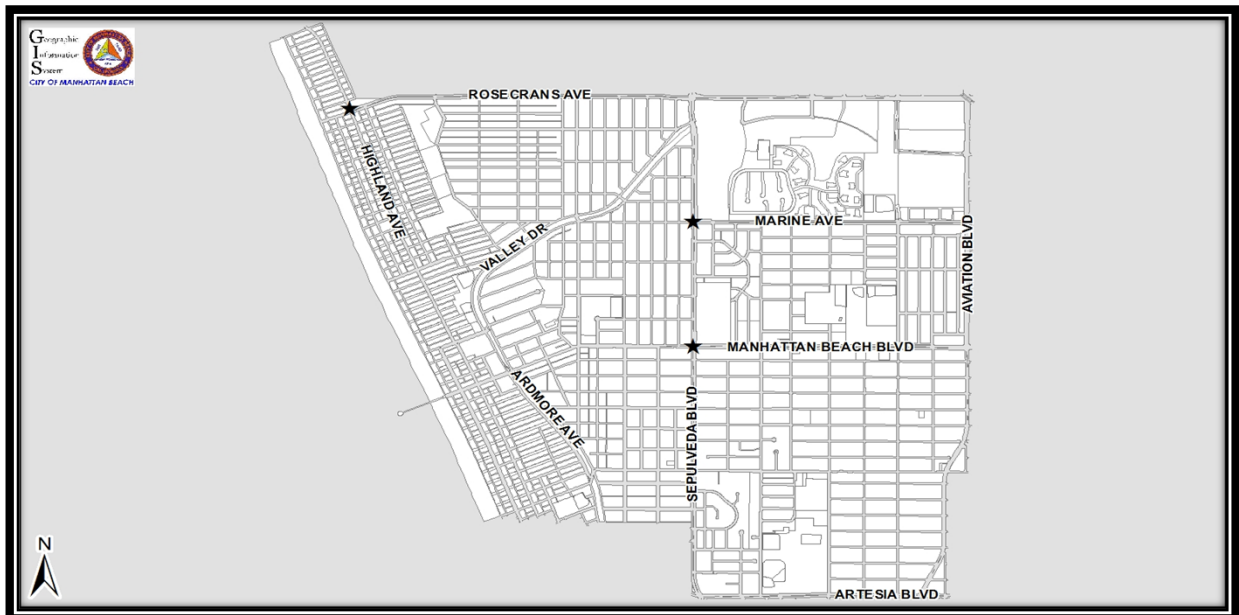
**Justification:** The banner poles along Sepulveda Blvd. are showing signs of structural failure and cannot safely withstand the stresses caused by banners under high winds conditions. They need to be upgraded by installation more durable steel poles that can withstand higher wind loads. These poles will need to be custom made for each site and require significant foundation work to ensure their structural integrity. Similarly, the North End Business District would like to have banner poles installed near the Highland Ave/Rosecrans Blvd intersection as their gateway location. This project would install a total of 6 poles at these three strategic locations.

**Estimated**

**Project Cost:** \$ 450,000.00

**Location**

**Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

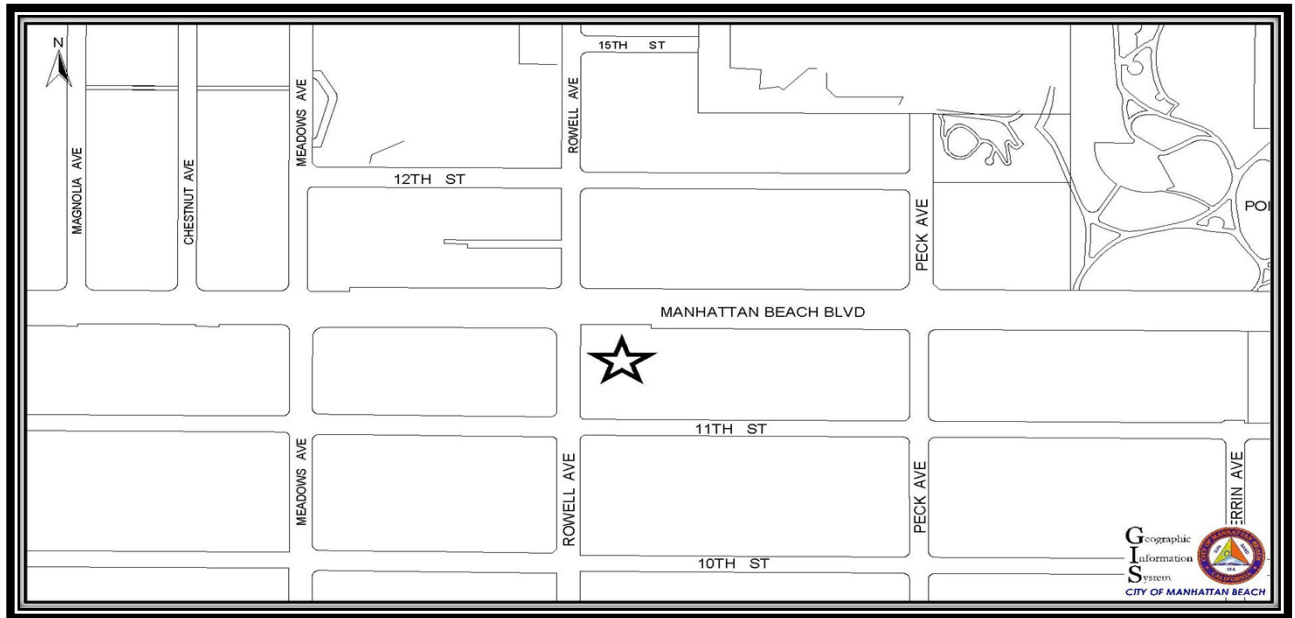
**Project Title:** Fire Station 2: Construction

**Description:** Demolish existing Fire Station No. 2 building, located at 1400 Manhattan Beach Blvd., and construct new Fire Station No. 2 on the same site.

**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 will provide a new fire station that will meet current design standards and the Fire Department's needs.

**Estimated  
Project Cost:** \$ 8,000,000.00

**Location  
Map:**





City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

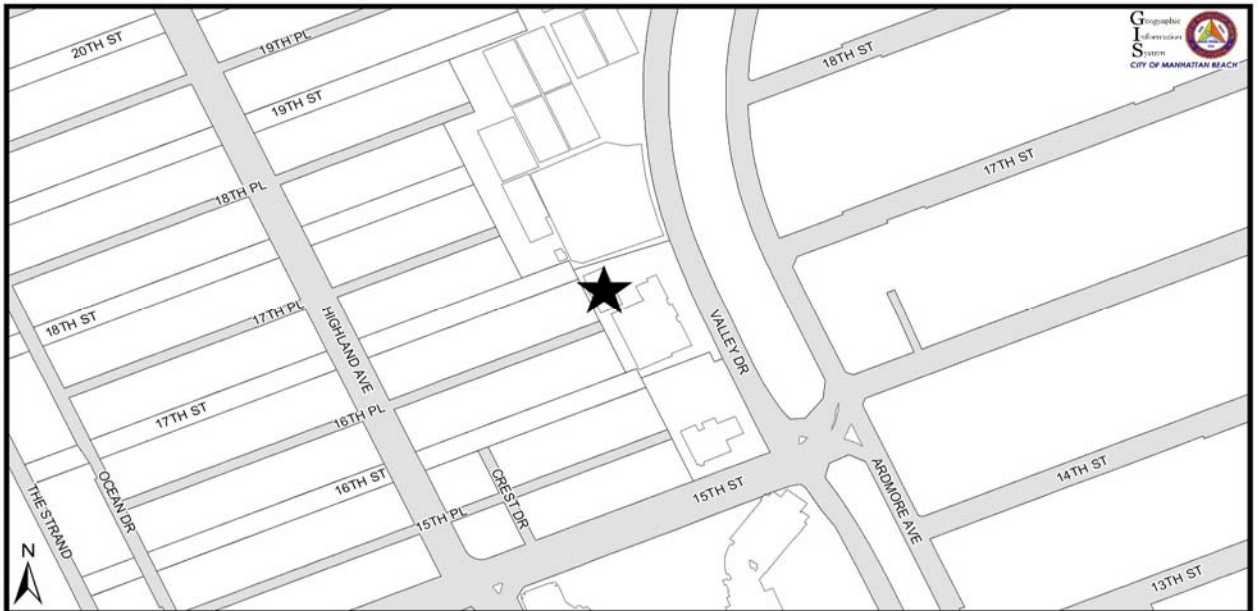
**Project Title:** Scout House: Construction

**Description:** Construction of the shell of the building for a new Scouts and Seniors Community Center.

**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.

**Estimated  
Project Cost:** \$ 450,000.00

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Historic House Interior/Exterior Repairs

**Description:** Interior and exterior renovations to the Historic House.

**Justification:** A Facility Assessment is anticipated to be completed in May 2019, and this Facility Assessment will identify necessary interior and exterior repairs for the Historic House.

**Estimated  
Project Cost:** \$ 200,000.00

**Location  
Map:**

City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

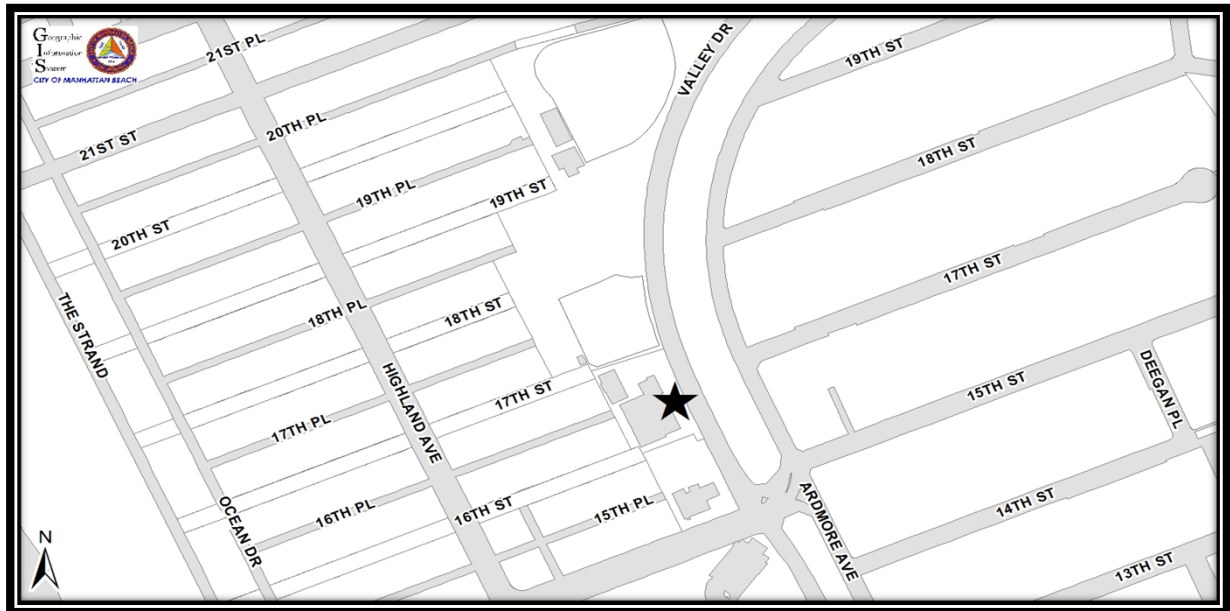
**Project Title:** Joslyn Center Exterior Upgrades

**Description:** Exterior upgrades to the Joslyn Center including crack repairs, window perimeter sealants, roof access, stucco, and paint.

**Justification:** A Facility Assessment was completed in 2013, and the Facility Assessment identified exterior features of the Joslyn Center that are in need of upgrades.

**Estimated  
Project Cost:** \$ 500,000.00

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

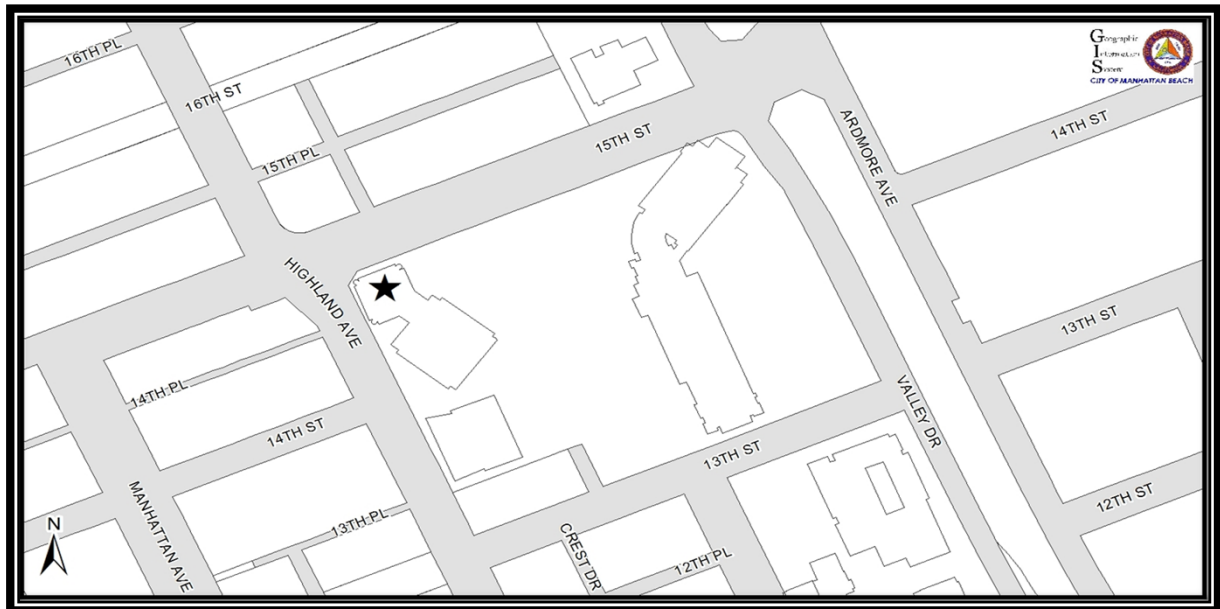
**Project Title:** City Hall Interior Façade Improvements

**Description:** Improvements to the interior façade of City Hall.

**Justification:** Various interior façade improvements have been identified to address deteriorated areas of City Hall.

**Estimated  
Project Cost:** \$ 100,000.00

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**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.

**Estimated  
Project Cost:** \$ 250,000.00

**Location  
Map:**

No map; location to be determined

City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

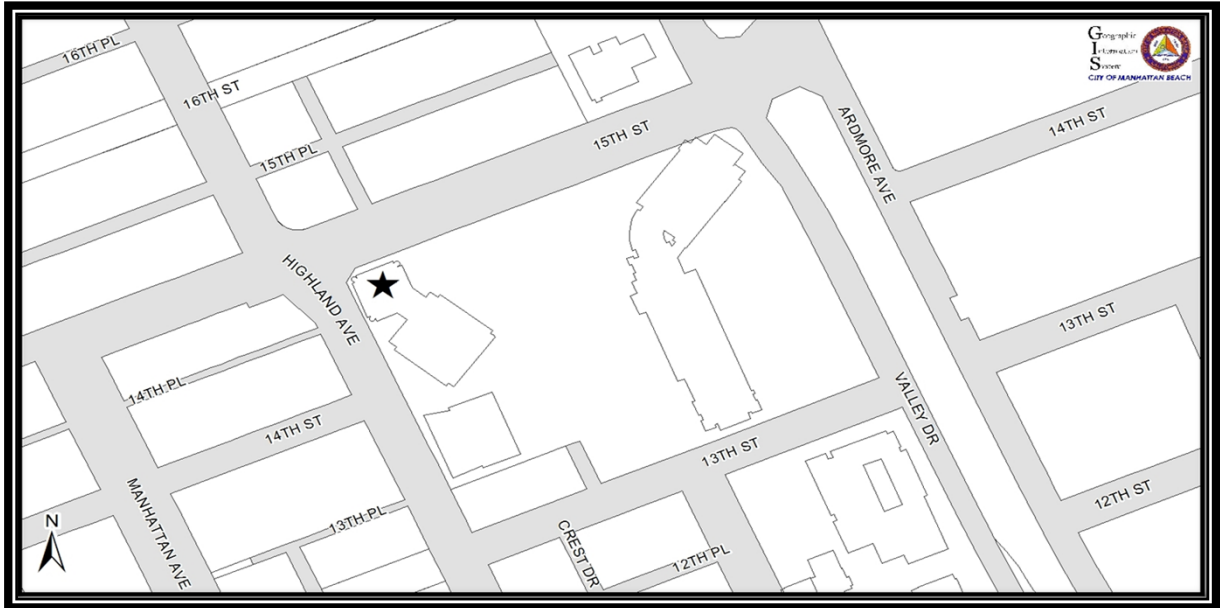
**Project Title:** City Hall Security Camera Installation

**Description:** Install security cameras at select locations at City Hall

**Justification:** Security cameras in select locations at City Hall is intentioned to improve security and safety for the community.

**Estimated  
Project Cost:** \$ 250,000.00

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Earthquake Assessment of City Facilities

**Description:** Complete an Earthquake Assessment of City Facilities.

**Justification:** City facilities are showing signs of weathering and deterioration. Additionally, there have been significant earthquake code amendments since the facilities were originally constructed. This project will identify structural deficiencies and provide recommendations on addressing the findings.

**Estimated  
Project Cost:** \$ 500,000.00

**Location  
Map:**

No map; citywide facilities

City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Begg Pool Remodel/Replacement

**Description:** Upgrade or replace Begg Pool. Options include creating a splash pad, training pool and competition pad, bleachers, facility and parking improvements.

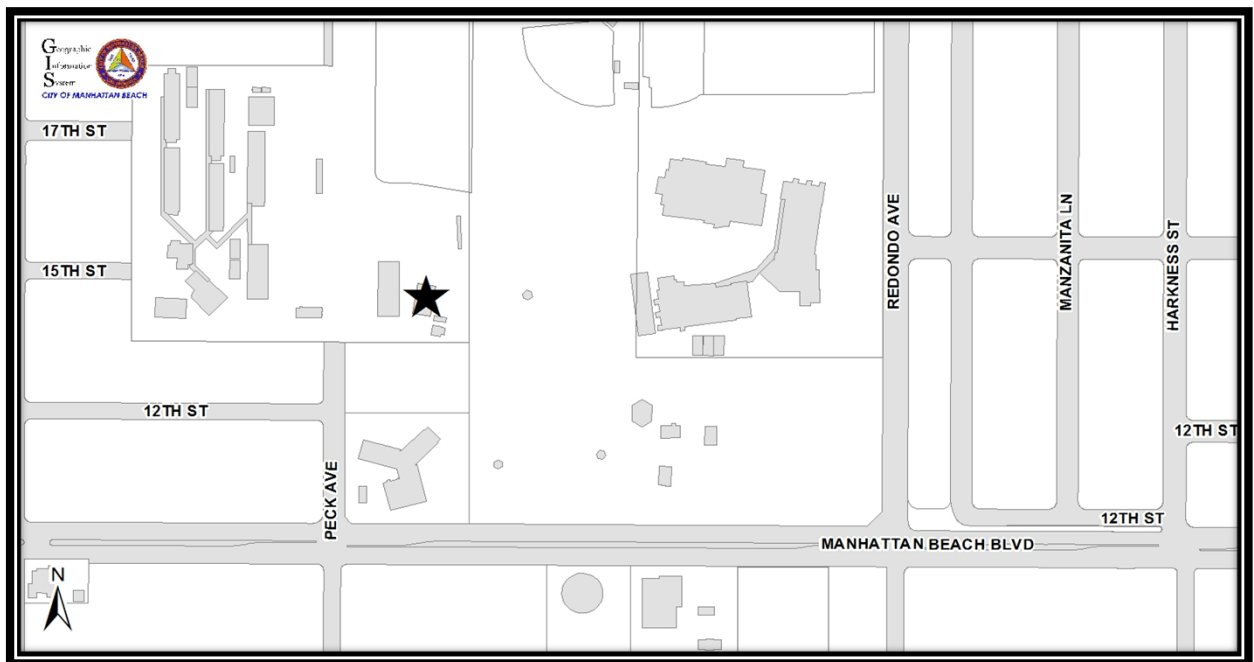
**Justification:** Over 12,000 people participate in various aquatics programs. However, Begg pool is in poor condition. The concrete deck is concaved and cracked; the locker rooms lack ventilation; and several showers are out of service. The internal plumbing is deteriorated and rusted. The community has expressed a desire for an upgraded facility that can meet the aquatic needs for diverse user groups. The City recently completed a Planning Study that provided a conceptual assessment of a new city aquatics complex, including space requirements, facility amenities, staff and operations, evaluation of three potential site locations (including Begg Pool's location); and probable costs. The estimated cost for a new complex is approximately \$18 million.

**Estimated**

**Project Cost:** \$ 18,000,000.00

**Location**

**Map:**





City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Marine Ave. Park Older Adult Exercise Equipment

**Description:** Design and construct older adult exercise equipment at Marine Avenue Park.

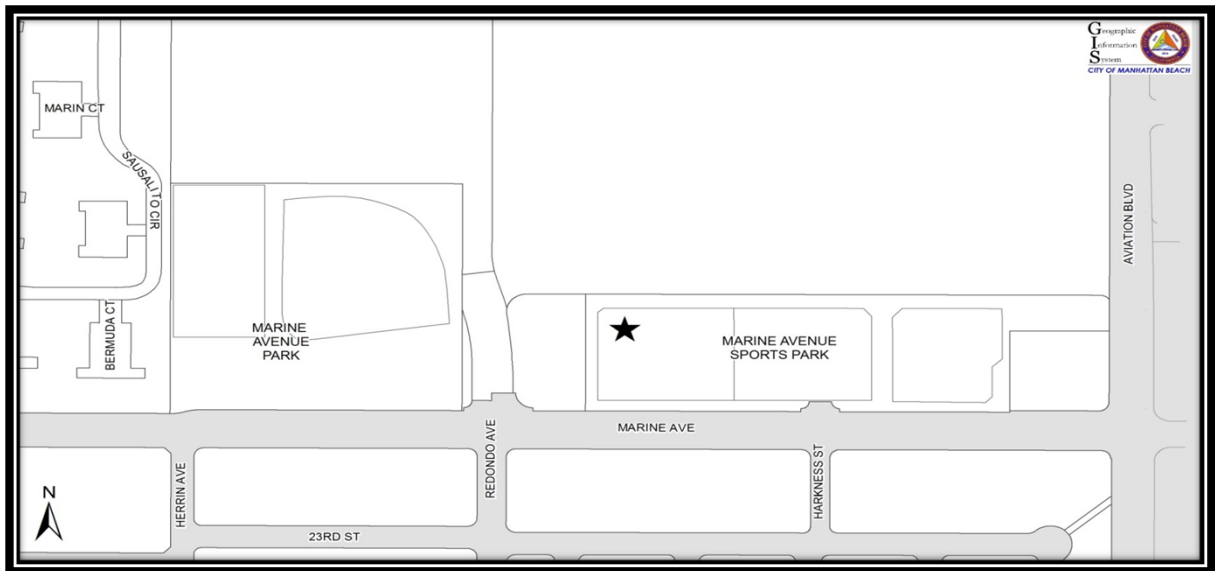
**Justification:** The Older Adults Park at Marine Avenue could be an outdoor locale for men and women 55+ to exercise, socialize, enjoy nature, and meet other residents. It would also be a free, positive activity for grandparents to enjoy with their grandchildren. The park would feature specially-designed exercise stations aimed at men and women 55+ to help with agility, balance, strength, etc. While the older adults utilize the stations, their grandchildren could enjoy the playground adjacent to them.

**Estimated**

**Project Cost:** \$180,000.00

**Location**

**Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

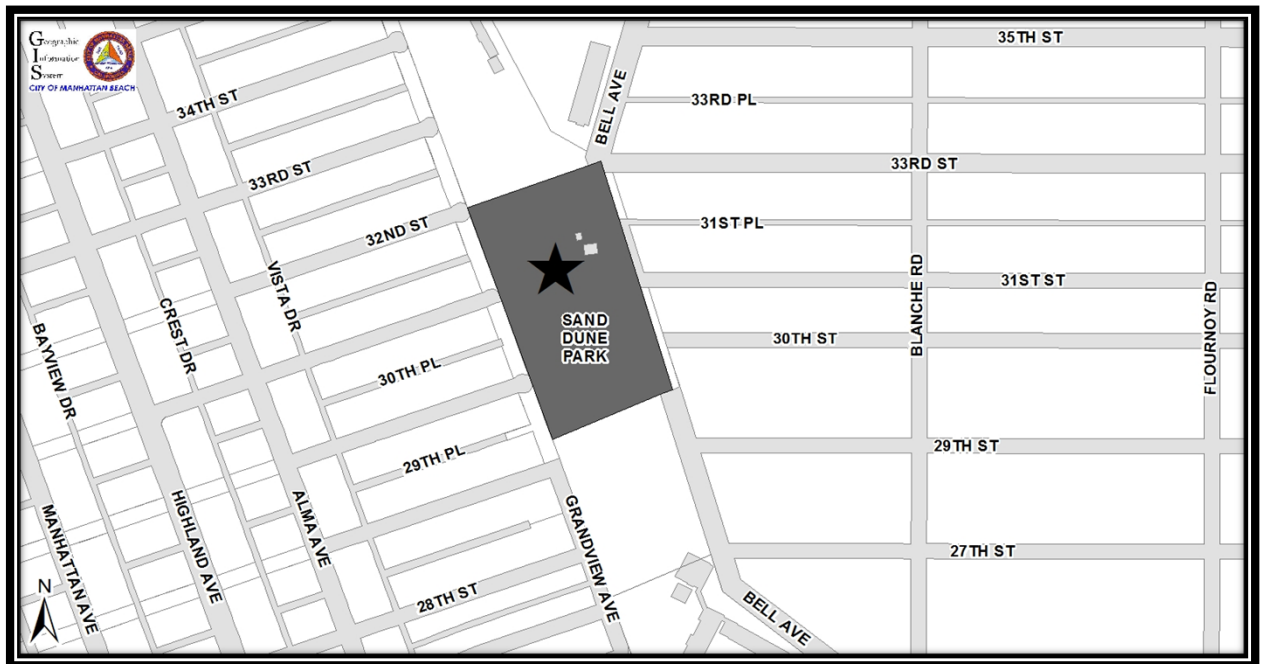
**Project Title:** Sand Dune Park Building Improvements

**Description:** Complete renovation and/or construction of a new building at Sand Dune Park.

**Justification:** The current building does not meet the operational programming needs of the Parks Department at Sand Dune Park. The building is too small and deteriorated, and due to usage, this park's amenities need significant improvements. Initial recommendations include consideration to demolish and build a new building that will provide ADA compliant restrooms as well as ample storage and offices, and room for after school activities. Additional improvements include replacing the existing picnic shelter and expanding the concrete play pad to the south, replacing the wooden stairs with concrete steps, increase security lighting along the steps, and walkways and replacing the drinking fountain.

**Estimated Project Cost:** \$ 1,000,000.00

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

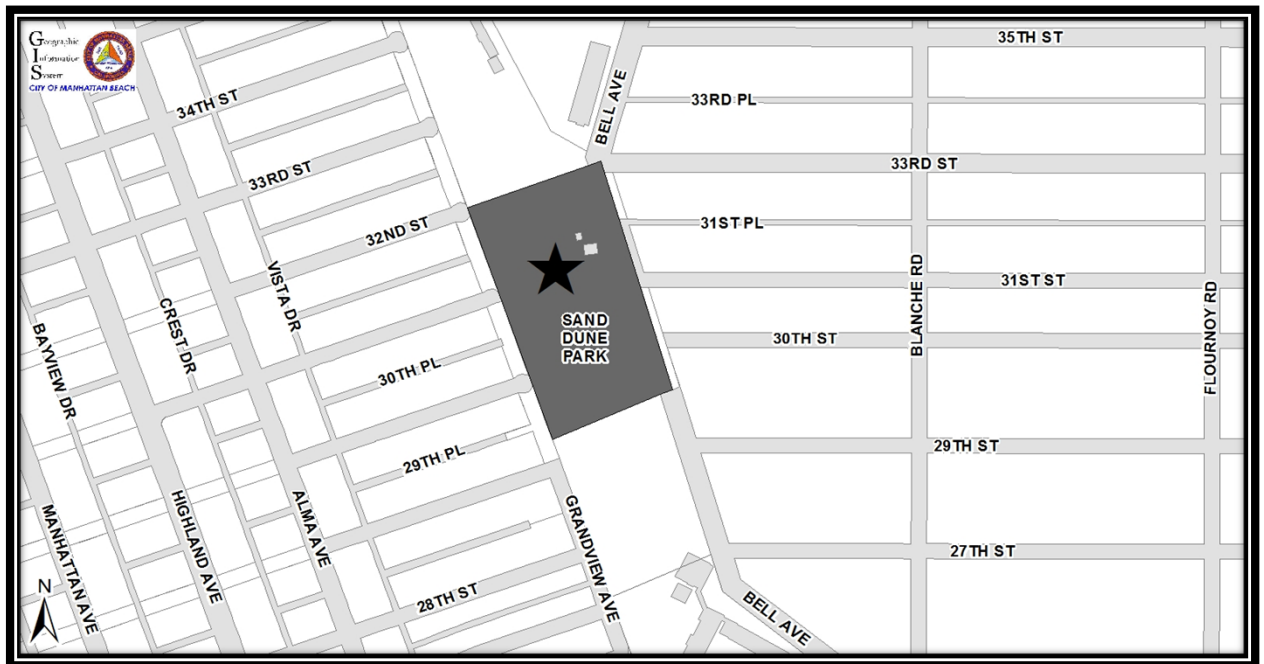
**Project Title:** Sand Dune Park Playground Upgrades

**Description:** Upgrades to the playground at Sand Dune Park.

**Justification:** The playground equipment at Sand Dune Park is showing signs of deterioration from use and needs upgrades.

**Estimated  
Project Cost:** \$ 150,000.00

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

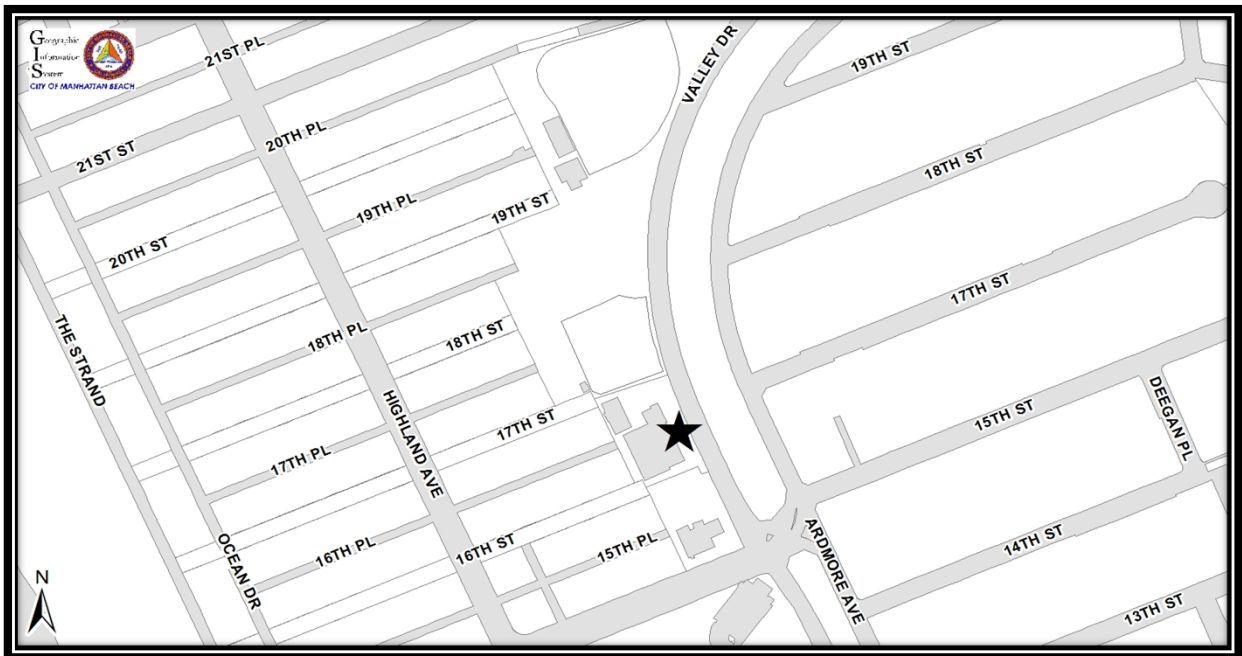
**Project Title:** Joslyn Center Recreation Upgrades: Shuffleboard, Tetherball

**Description:** Upgrades to the playground at Sand Dune Park.

**Justification:** The Joslyn Center, which includes the OASIS Center for the City's active senior community, is well-utilized and recreational activities such as Shuffleboard and Tetherball need to be upgraded at the facility.

**Estimated  
Project Cost:** \$ 80,000.00

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Joslyn Center OASIS Patio and Outside Deck Installation

**Description:** To extend the area for the Older Adults of Manhattan Beach by installing a small patio/ deck off of the OASIS room.

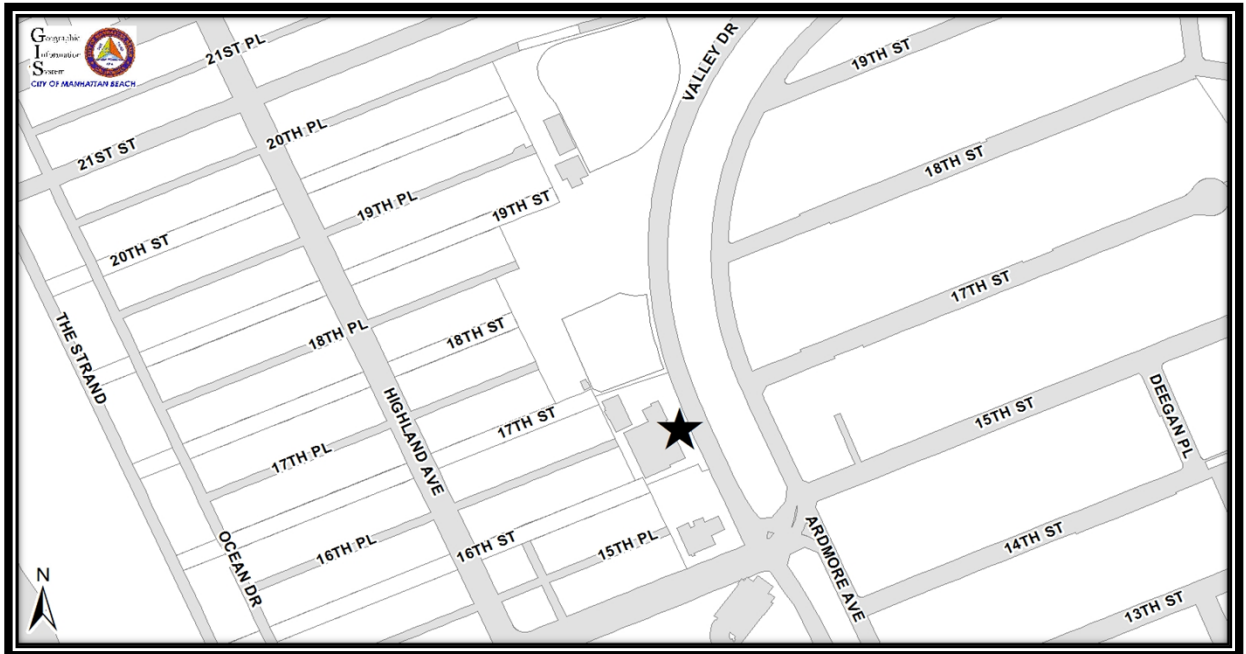
**Justification:** Installation of a small patio/ deck off of the OASIS room is being recommended to be used for general leisure, picnics, potlucks, BBQs, etc. Composite decking with footings, railing with built-in benches to seat 15, and an awning that allows for the breeze to flow through would be included. This is for the area outside of the OASIS room at the Joslyn Center and approximately 11.5' x 5'. The obstacles include a maple tree, meter, and large BBQ, which would need to be relocated. Additionally, there is grading, irrigation relocation and landscaping work required.

**Estimated**

**Project Cost:** \$ 150,000.00

**Location**

**Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Security Cameras at Parks, Facilities, Fields and Skate Spot

**Description:** Install security cameras in parks and park facilities.

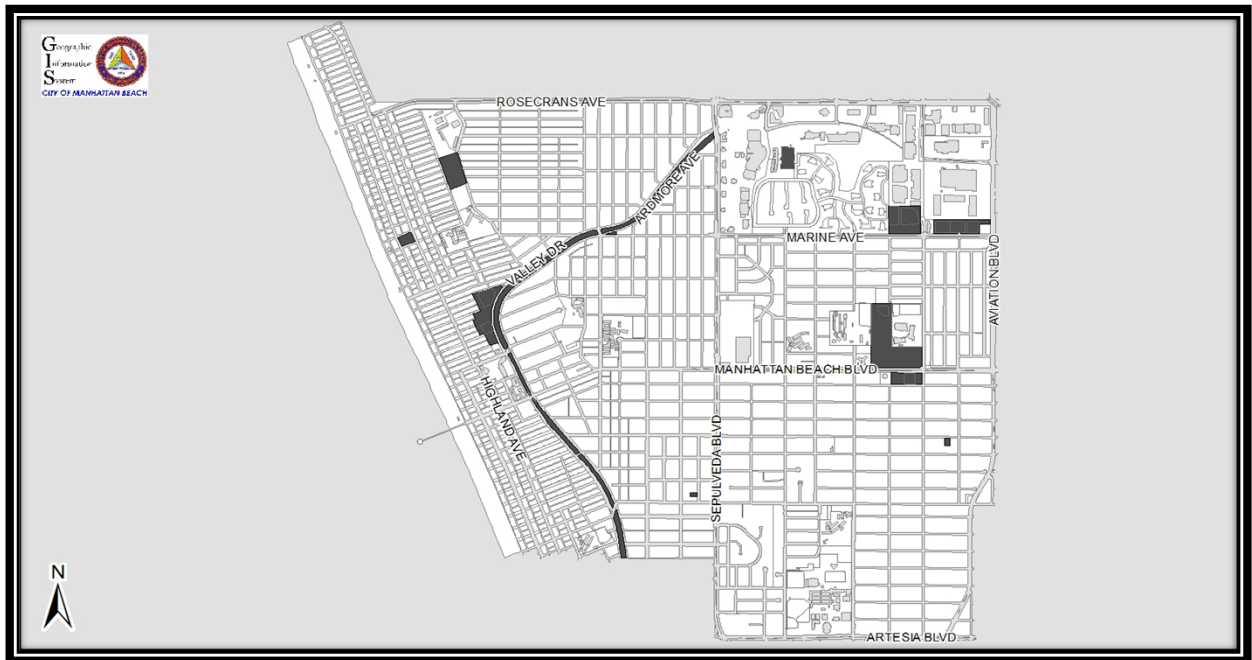
**Justification:** This project proposes to install security cameras at strategic locations for five Parks facilities to improve the safety of the facility as well as its user groups and staff. Specific camera installations would be determined in partnership with the Police Department to maximize the benefits of the security cameras. Specific parks include: Sand Dune, Live Oak, Marine Skate Spot, Polliwog and Manhattan Heights.

**Estimated**

**Project Cost:** \$ 180,000.00

**Location**

**Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Bike Path Along Veterans Parkway

**Description:** Design and construction of a bike path along Veterans Parkway.

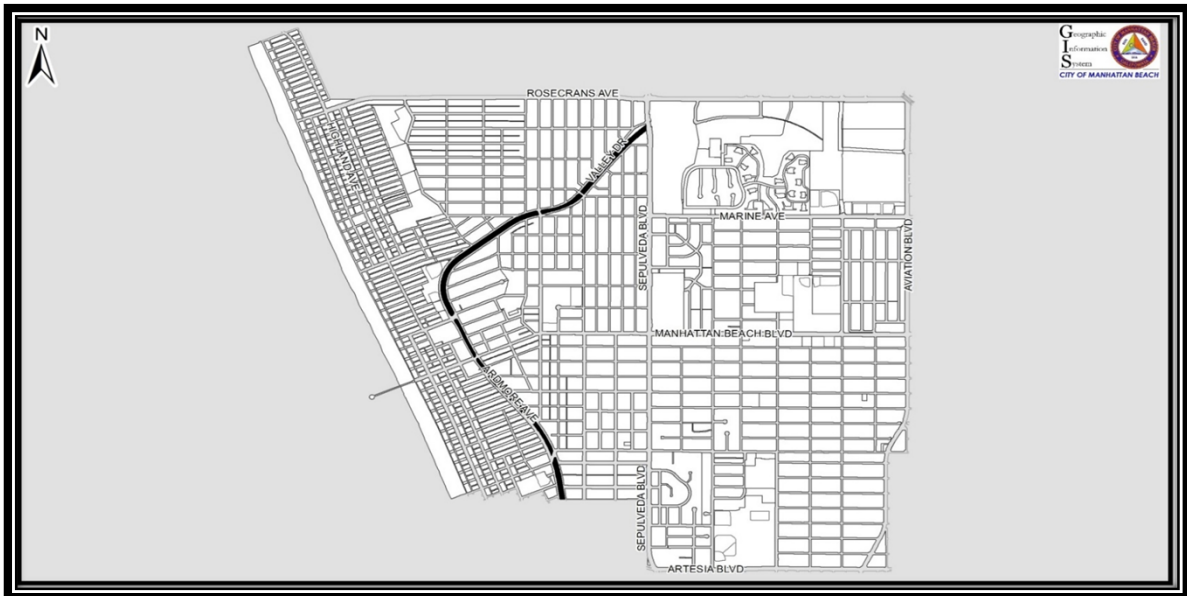
**Justification:** There is currently not a bike path spanning the length of the City from north to south. This project would provide this by installing a bike path along Veterans Parkway. This would also provide an alternate path for bikes to cross Sepulveda Blvd. at Rosecrans Ave.

**Estimated**

**Project Cost:** \$ 600,000.00

**Location**

**Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Strand Fitness Station Upgrade/Replacement

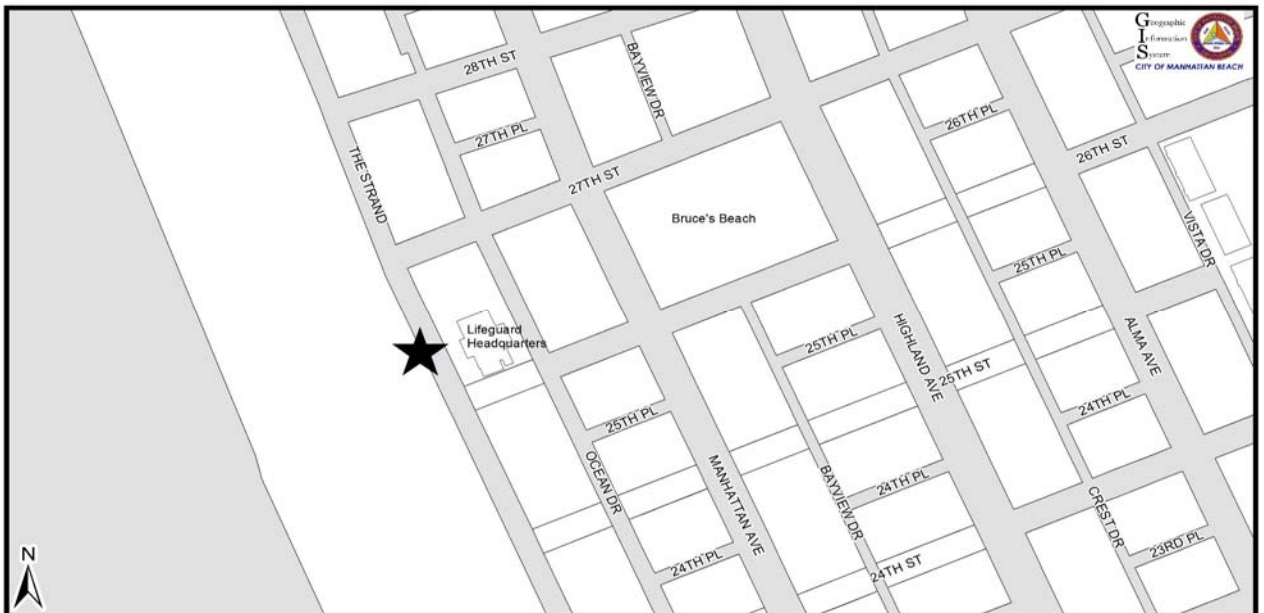
**Description:** Upgrade or replacement of the Strand Fitness Station.

**Justification:** The current fitness equipment and surfacing at the Strand 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.

**Estimated  
Project Cost:** \$ 50,000.00

**Location  
Map:**





City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

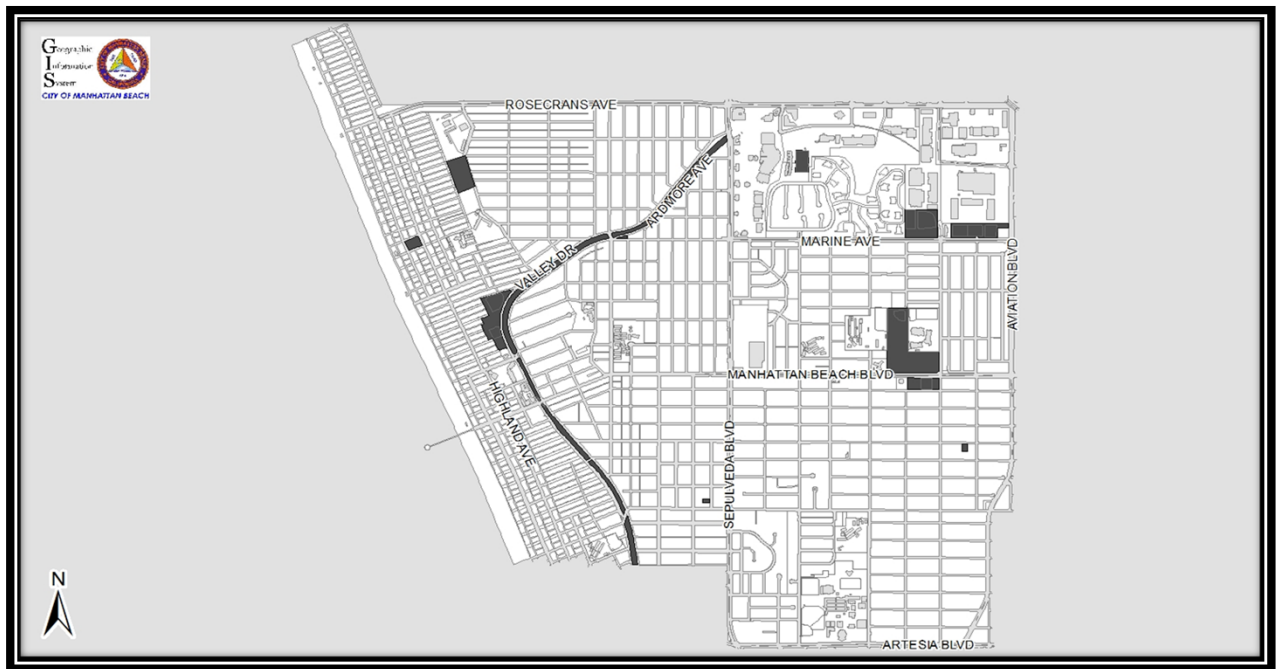
**Project Title:** Repair, Upgrade, Standardize Picnic Pads at All Parks

**Description:** Repair and expand picnic pads at all parks facilities where they are present by replacing all single grills with grill/hot coal units and replace all picnic tables with standardized styles.

**Justification:** There is an ongoing, general request to upgrade these amenities at all parks. This project would carry out those requested upgrades, with priority given to the locations receiving the highest reservation requests. It would also enhance access for stroller and ADA users.

**Estimated  
Project Cost:** \$ 160,000.00

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Downtown Tree Replacement and Irrigation Upgrades

**Description:** Replace trees downtown and upgrade the associated irrigation systems.

**Justification:** There are trees downtown that are in need of replacement. This project would replace the trees that are in need of replacement and upgrade the irrigation at these locations.

**Estimated Project Cost:** \$ 175,000.00 (\$35,000 Annually)

**Location**

**Map:**

No map; various locations to be determined

City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

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

**Description:** Construct a new, larger capacity water reservoir at Block 35.

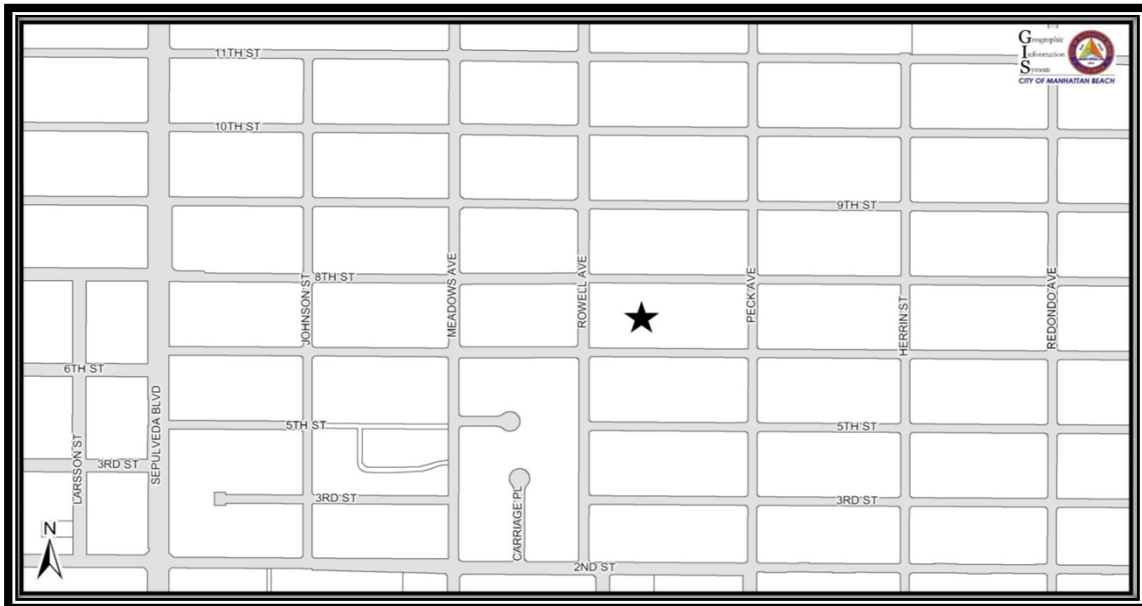
**Justification:** Block 35 Ground Level Reservoir (2 mg) was originally constructed in 1948. It has an inner wall with 69.17 ft. diameter, and an outer wall with 140 ft. diameter. The inner wall top is at elevation 182.8 feet, while the outer wall top is at elevation 191.58 feet. The overflow elevation 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.

**Estimated**

**Project Cost:** \$ 12,000,000.00

**Location**

**Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

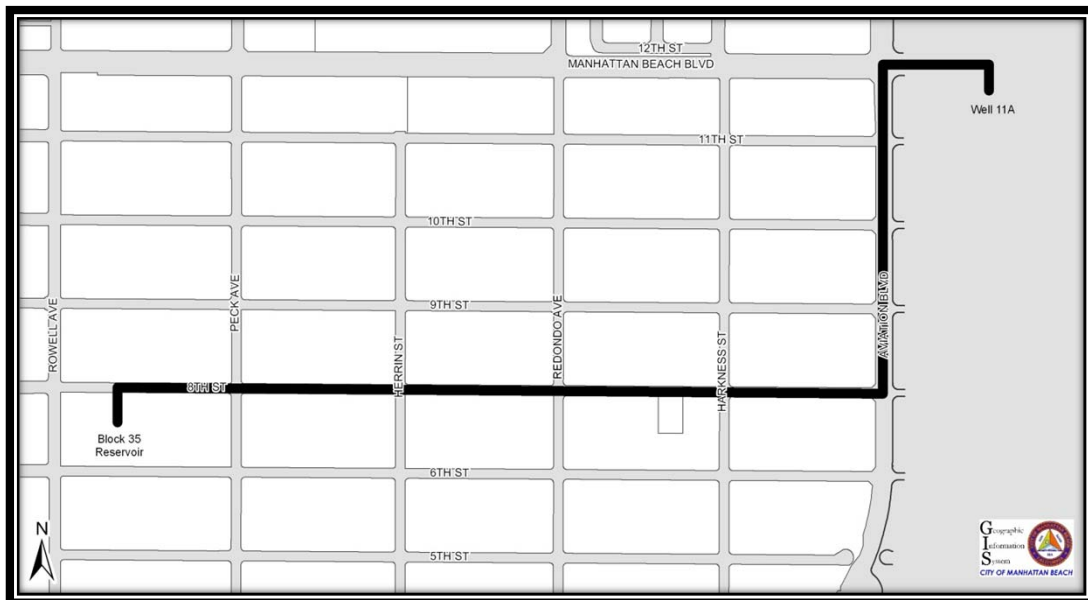
**Project Title:** Well Collection Line from Well 11A to Block 35 (Construction Only)

**Description:** Construct a new well collection line from Well 11A to Block 35.

**Justification:** Design of the potentially new pipeline and attached isolation gate valves will create a hydraulic and operating redundancy whereby Well 11A water will be conveyed to the Block 35 Reservoir. Presently, Well 11A water can only be conveyed to the Peck Reservoir. The pipeline will be increased from 10 inches to 18 inches in diameter. This increase will allow for greater flow, which will allow water from both Well 11A and Well 15 to be delivered simultaneously to Block 35 Reservoir.

**Estimated  
Project Cost:** \$ 5,750,000.00

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Joint Watershed Project: Sand Infiltration at 28th

**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 Hermosa Beach's Greenbelt only; however, due to our watershed our storm water flows into a portion of Hermosa Beach.

**Estimated**

**Project Cost:** \$ 8,000,000.00

**Location**

**Map:**

No map; along Hermosa Beach's Greenbelt only

City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

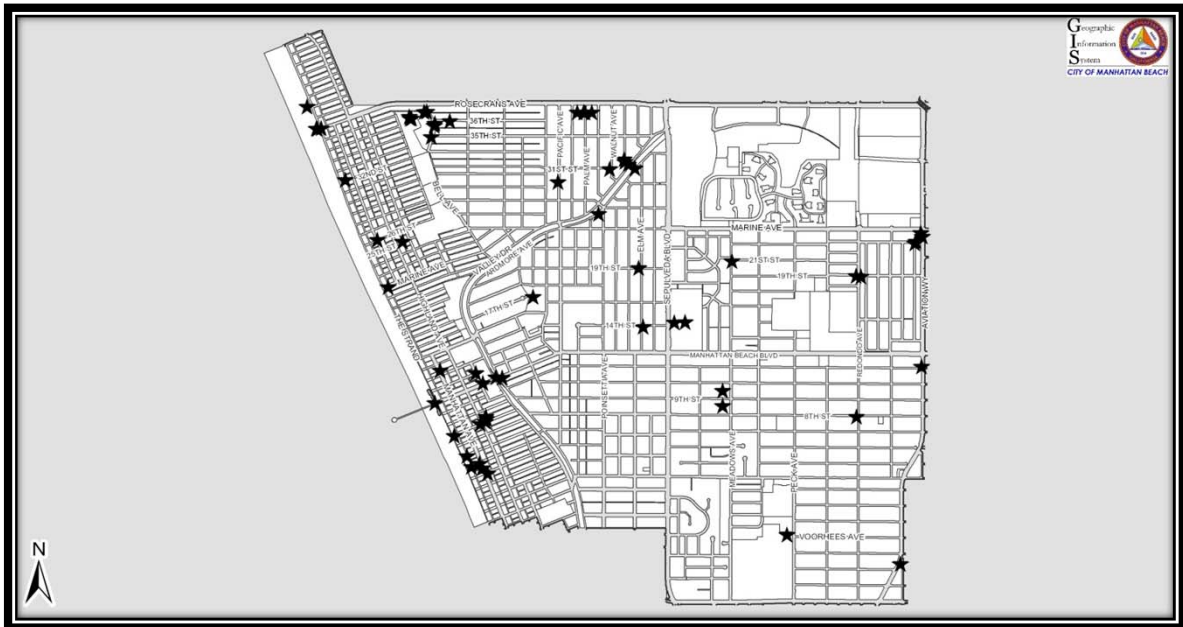
**Project Title:** Stormwater Pipe Replacement/Upsizing

**Description:** Replace various sections of stormwater drain line (64 locations identified).

**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.

**Estimated Project Cost:** \$ 2,500,000.00 (\$500,000 Annually)

**Location Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Intelligent Parking Occupancy System (Lots 2, 3, Metlox & Civic Center)

**Description:** Design and construct parking lot occupancy sensors and displays at Lots 2, 3, Metlox and the Civic Center.

**Justification:** The project will install vehicle sensors and real-time displays to inform drivers of the number of vacant parking spaces in various parking lots in Downtown. The displays will reduce the need to search for parking spaces, and encourage the use of the parking structures. This parking system has been recommended in prior Downtown parking studies and in the ULI Downtown study. It will maximize the use of the existing parking facilities. Significant efficiency is gained in maximizing space utilization while providing quick efficient parking opportunities and minimizing congestion on local roads.

**Estimated**

**Project Cost:** \$ 250,000.00

**Location**

**Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Parking Structure Lot 3 Rehab or Replacement

**Description:** Rehabilitation or replacement of parking structure 3 based on the results of the structural analysis and design.

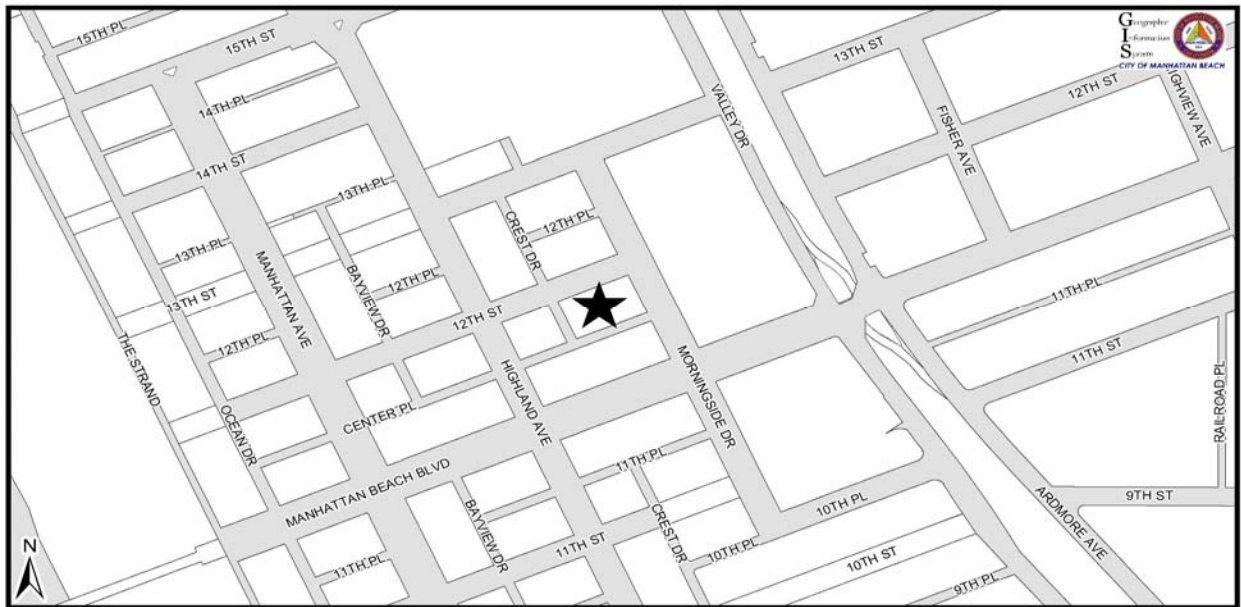
**Justification:** Parking structure 3 (near Metlox) is showing signs of weathering and deterioration. Additionally, there have been significant earthquake code amendments since the parking lot was originally constructed. This project will correct and/or improve the structural deficiencies found based on the findings of a structural analysis. The actual work to be performed will be based on the structural engineering's findings and recommendations and subsequent project design.

**Estimated**

**Project Cost:** \$ 13,000,000.00

**Location**

**Map:**





City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

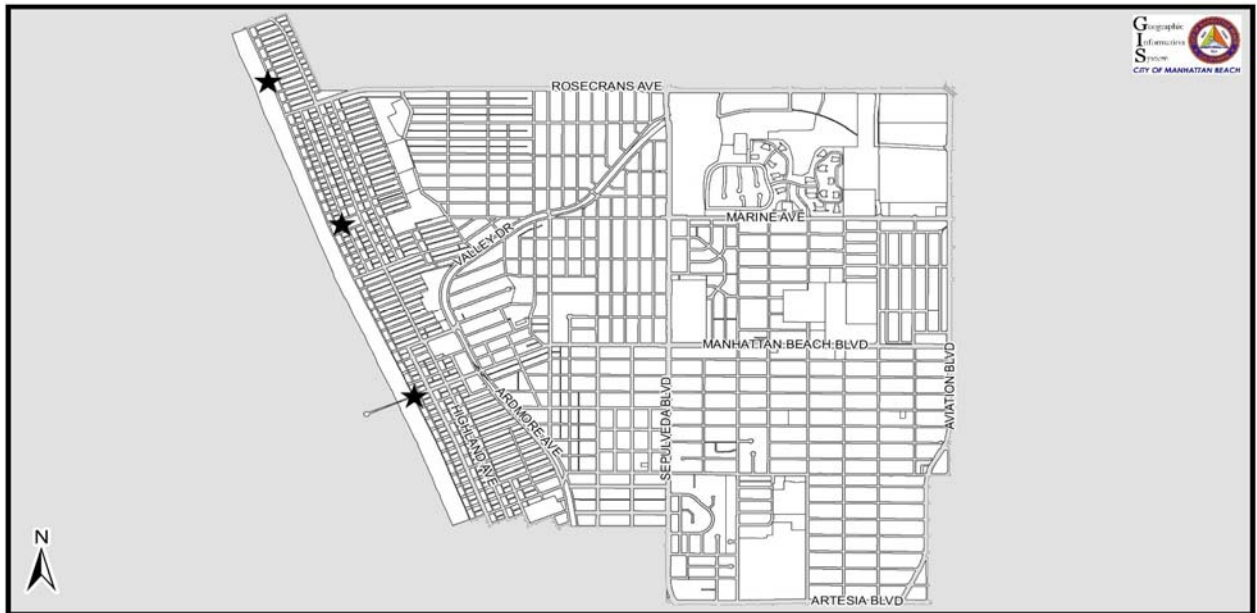
**Project Title:** County Lot Railings: Design and Construction

**Description:** Design and replacement of the railings at all County owned parking lots.

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

**Estimated  
Project Cost:** \$ 800,000.00

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

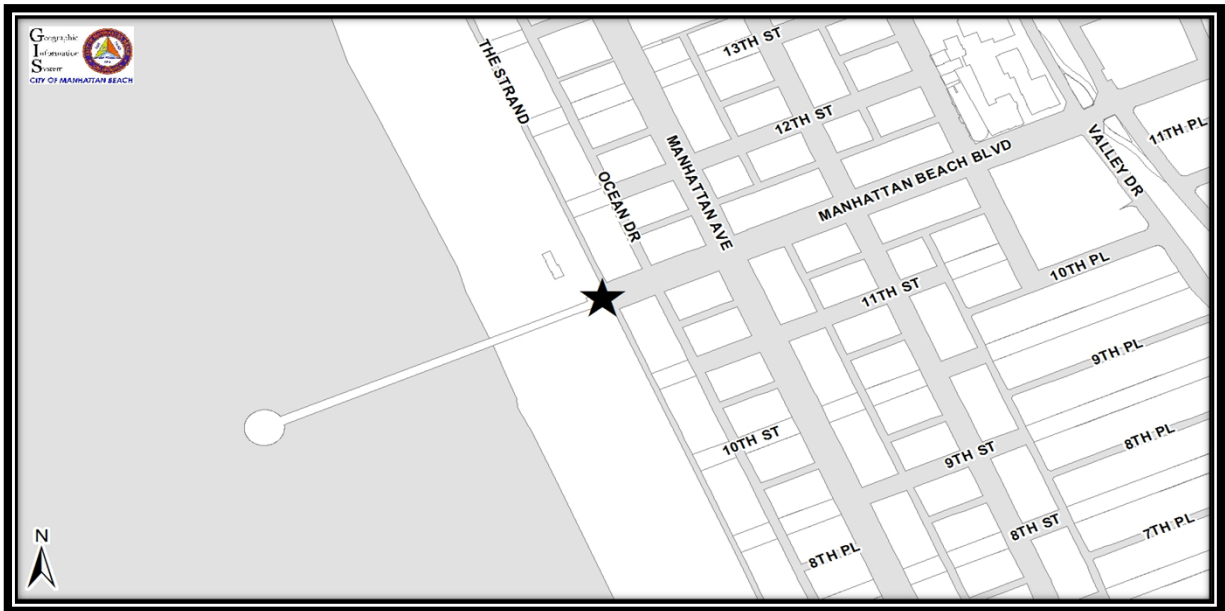
**Project Title:** Pier Railings: Construction

**Description:** Replacement of the Pier railings.

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

**Estimated  
Project Cost:** \$ 1,400,000.00

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

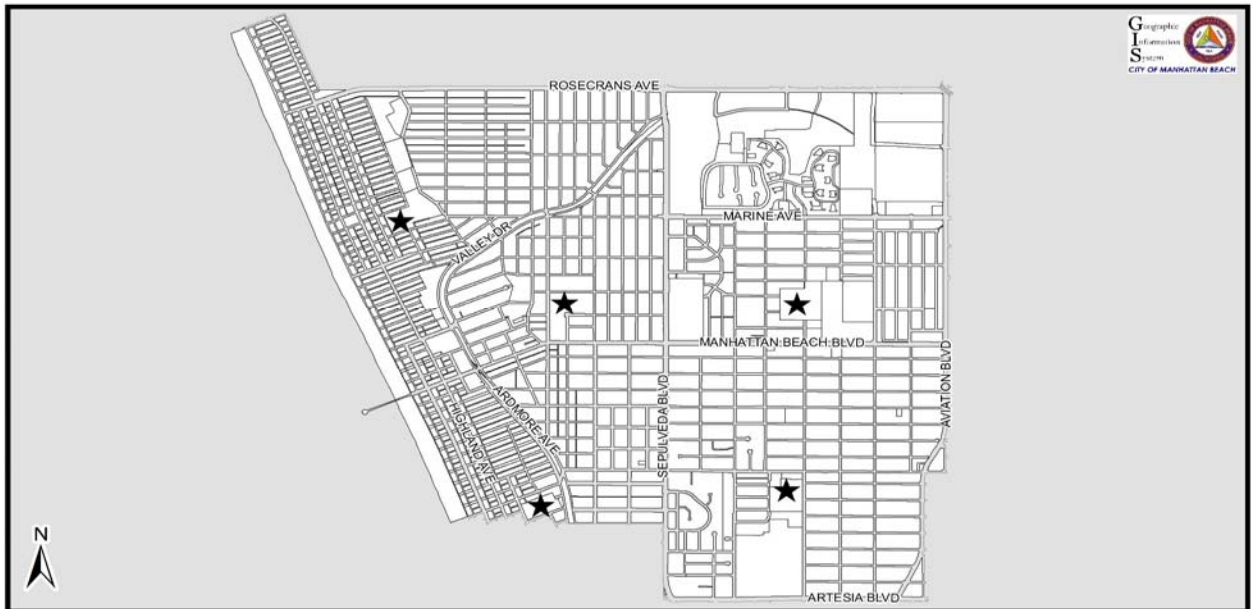
**Project Title:** Elementary Schools Playground Resurfacing and Equipment Replacement

**Description:** For all MBUSD Elementary Schools: Replace the playground surfaces beneath the playground equipment with either rubber or Playmatta tiles; resurface and restripe all asphalt playground areas; and replace all playground equipment.

**Justification:** The playground surfaces and equipment are in need of repair or replacement due to deterioration from use.

**Estimated  
Project Cost:** \$ 6,830,000.00

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

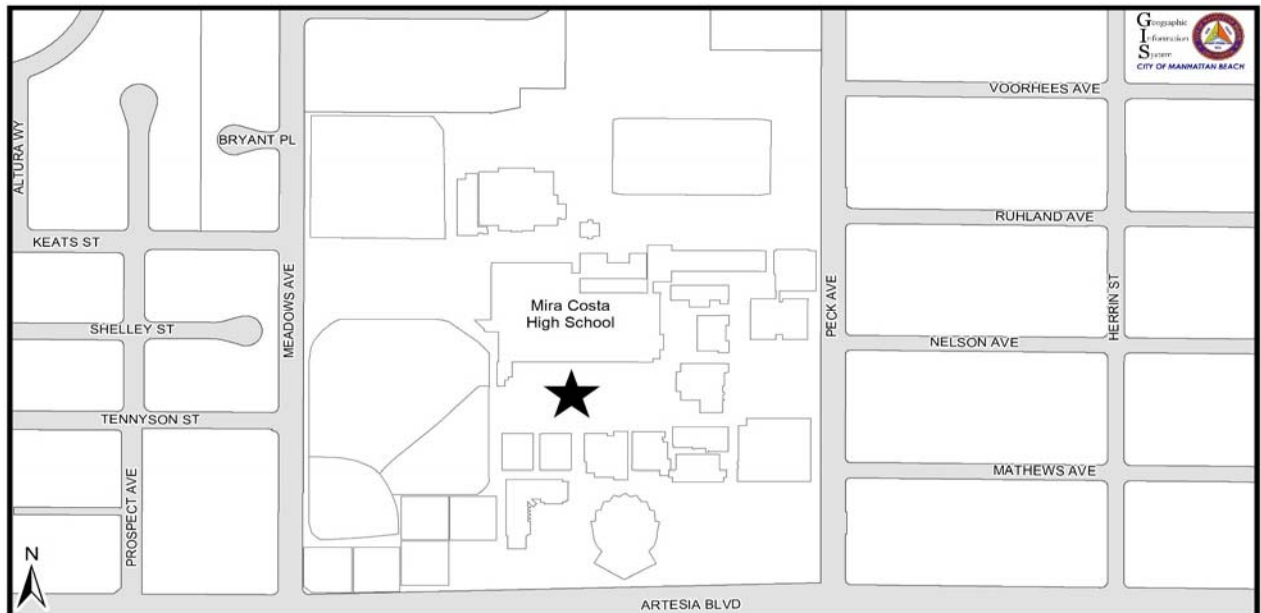
**Project Title:** School District: Retaining Wall at Tennis Court

**Description:** Replace the retaining wall and repair the fencing and posts at the Mira Costa High School Tennis Court along Artesia Blvd.

**Justification:** Mira Costa High School tennis courts are used extensively by both the high school students and City recreation. The block walls and fence posts are rusting and show deterioration.

**Estimated  
Project Cost:** \$ 250,000.00

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Restroom Upgrades High School Softball Field

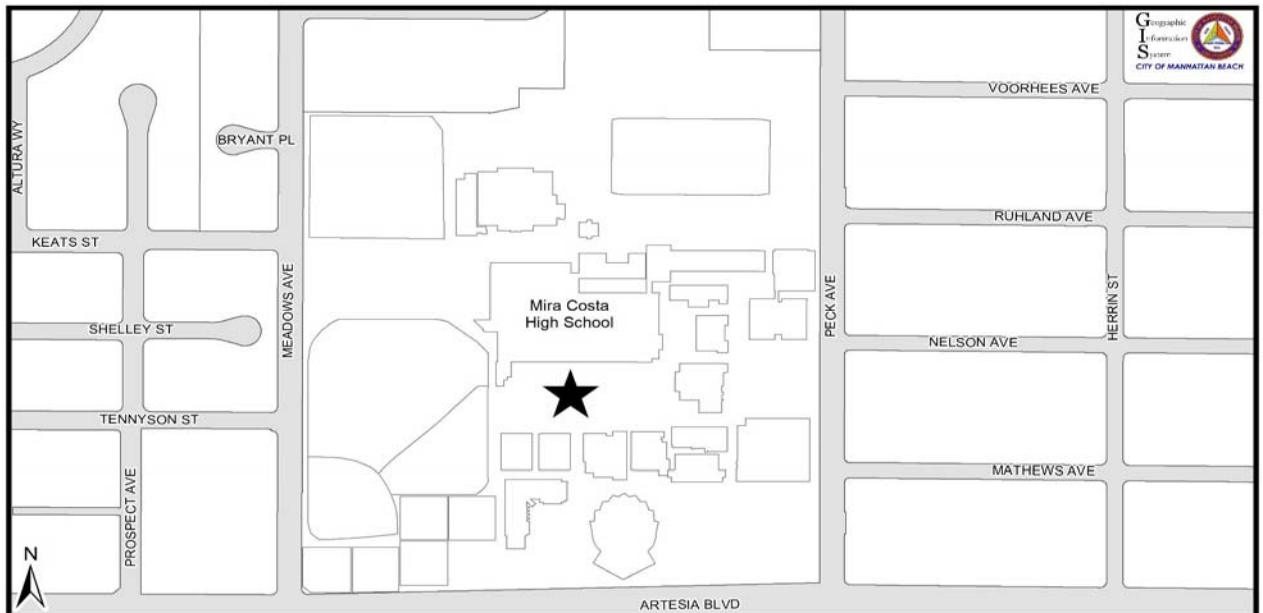
**Description:** Upgrade the restroom at Mira Costa High School Softball Field to meet current design standards.

**Justification:** The restroom at Mira Costa High School Softball Field does not meet current design standards.

**Estimated  
Project Cost:**

**Unknown**

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

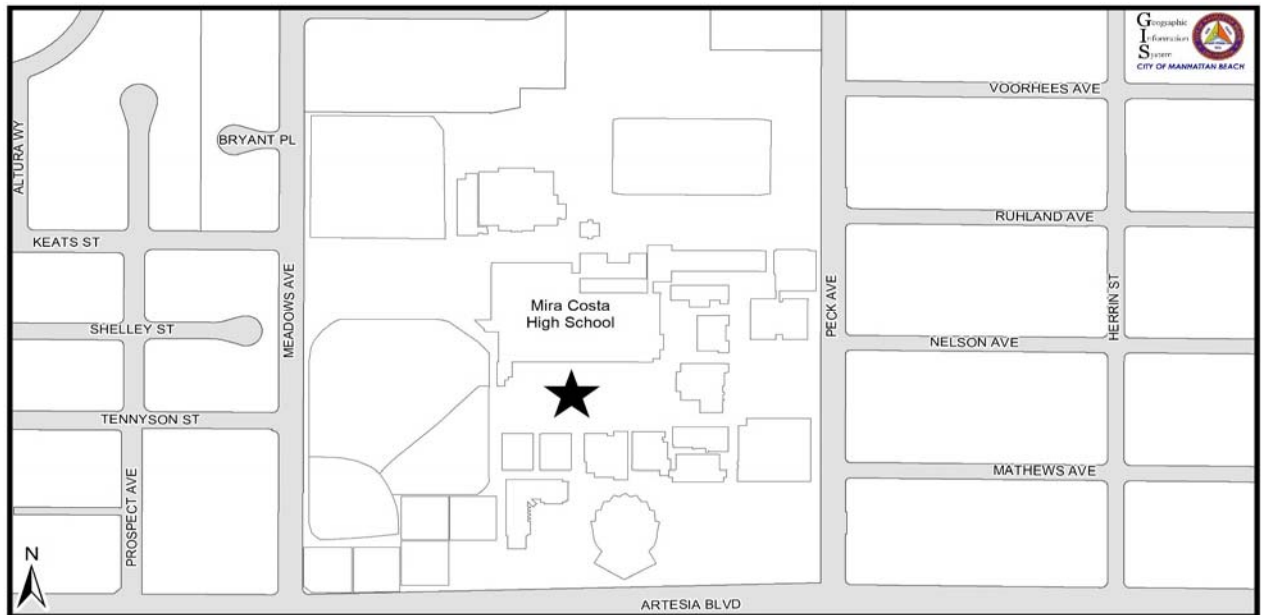
**Project Title:** Mira Costa High School Pool Resurfacing

**Description:** Remove and replace the plaster and tiles inside the Mira Costa High School pool.

**Justification:** The plaster in the pool is beyond its useful life and needs to be replaced. The number tiles are faded and no longer comply with health department codes.

**Estimated  
Project Cost:** \$ 150,000.00

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

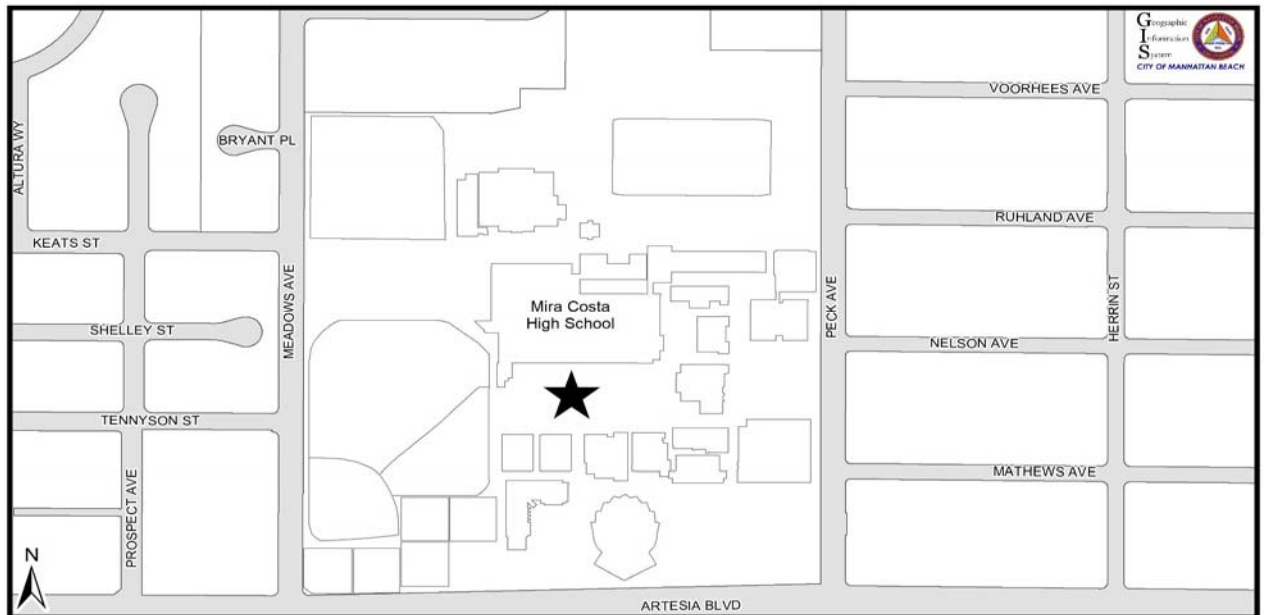
**Project Title:** Mira Costa High School Pool Deck Replacement

**Description:** Replace Mira Costa High School pool deck and coping.

**Justification:** The MCHS pool deck is deteriorating with water intrusion reaching the rebar. The deck and coping is beginning to crack and nearing its useful life.

**Estimated  
Project Cost:** \$ 250,250.00

**Location  
Map:**



City of Manhattan Beach  
CIP 2020-2024 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:** Unfunded

**Carryover Project #:** N/A

**Original Funding Year:** N/A

**Project Title:** Walkway from Peck to the New Gym

**Description:** Design and construct a walkway from Peck Ave. to the new gym at Mira Costa High School.

**Justification:** The new walkway would improve pedestrian access to the new gym at Mira Costa High School.

**Estimated  
Project Cost:**

**Unknown**

**Location  
Map:**

