

## CITY OF MANHATTAN BEACH

### STAFF REPORT

**TO:** Planning Commission

**THROUGH:** Marisa Lundstedt, Director of Community Development

**FROM:** Tony Olmos, Director of Public Works

**DATE:** April 27, 2016

**SUBJECT:** Determination of Consistency of the Proposed Fiscal Year 2016-2017 Capital Improvement Plan with the Manhattan Beach General Plan

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#### **RECOMMENDATION:**

Staff recommends that the Planning Commission review the report and adopt Resolution 16-02, determining that the proposed Fiscal Year 2016-2017 Capital Improvement Plan (CIP) is consistent with the City of Manhattan Beach General Plan.

#### **BACKGROUND:**

State of California Government Code Section 65103 (c) requires each Planning Agency to conduct an annual review of the City's CIP for consistency with the General Plan. Additionally, Government Code Section 65401 requires that a coordinated program of proposed public works projects be reviewed by the City Planning Agency for conformity with the City's General Plan.

Annually, the City Council considers and approves projects to be funded in the upcoming fiscal year. Historically, the CIP has been presented and approved in connection with the City's review and approval of the annual Operating Budget.

#### **DISCUSSION:**

Public Works staff is pleased to submit the Draft CIP General Plan Consistency Resolution 16-02 (Attachment A) for Planning Commission approval and the FY 2016-2017 CIP General Plan Consistency Review Report (Attachment B) for Planning Commission consideration. The report includes 30 projects which require funding appropriation in FY 2016-2017, their funding source(s), estimated cost, brief project description and a statement of consistency with the specific goals and policies of the General Plan. Of the 30 projects requiring FY16-17 funding, nine (9) are already deemed consistent with the General Plan and approved by the Planning Commission in a previous CIP season. The

remaining 21 projects still need Planning Commission review and approval. The project summary sheets for the list of projects in the Review Report are included (Attachment C).

The FY 2016-2017 CIP projects which still need Planning Commission review and approval include:

<b>WASTEWATER</b>
Spot Repairs in Areas 5, 6, & 7 Rehabilitation of Gravity Sewer Mains
<b>WATER</b>
Redrill & Equip Well 15
Water Meter Upgrade and Automation
<b>STORMWATER</b>
Stormwater Quality Improvements: Catch Basin Inserts
<b>STREETS</b>
Sepulveda/Oak Neighborhood Intrusion Study
Protected Left-Turns: Manhattan Beach Blvd at Peck Ave
Sepulveda Intersection Improvements (Rosecrans, 33rd, Cedar, 14th St & 2nd St.)
Annual Non-Motorized Transportation Project
Veterans Parkway Pedestrian Access Master Plan
Annual Curb, Gutter and Ramp Replacement
Annual Slurry Seal Project
Triennial Pavement Management System Update
Street Resurfacing Project: Marine (Sepulveda to Aviation)
Street Resurfacing Project: 1100 block of 3rd St.
Street Resurfacing Project: Liberty Village
Sepulveda Blvd Multi-Modal Streetscape Plan
Signal Battery Back-Up Installation

<b>FACILITIES</b>
Village Field Replacement Turf
Ceramics Studio Renovation
Fiber Master Plan
<b>PARKING</b>
Pier Lot Safety Lighting

Public Works staff believes that the projects identified for funding in the FY 2016-2017 CIP are consistent with the goals and policies of the City of Manhattan Beach General Plan. Community Development Department staff concurs with the General Plan consistency statements provided and recommends that the Commission make the necessary consistency determination.

Attachments:

- A) Draft CIP General Plan Consistency Resolution 16-02
- B) FY 2016-2017 CIP General Plan Consistency Review Report
- C) FY 2016-2017 CIP Project Summary Sheets

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RESOLUTION NO. PC 16-02

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF MANHATTAN BEACH, CALIFORNIA, DETERMINING THAT THE PROPOSED FISCAL YEAR 2016-2017 CAPITAL IMPROVEMENT PLAN IS CONSISTENT WITH THE CITY OF MANHATTAN BEACH GENERAL PLAN

WHEREAS, pursuant to Sections 65103 (c) and 65401 of the State of California Government Code, the Planning Commission has reviewed the Fiscal Year 2016-17 Capital Improvement Plan (CIP) as to its consistency with the City of Manhattan Beach General Plan; and,

WHEREAS, the project is Categorically Exempt (Section 15306-Class 6) from the provisions of the California Environmental Quality Act (CEQA); and,

WHEREAS, the Planning Commission reviewed the analysis and recommendations of Public Works and Community Development staff, contained in their Staff Report dated April 27, 2016.

NOW, THEREFORE, BE IT RESOLVED that the Planning Commission of the City of Manhattan Beach has determined that the City's Capital Improvement Plan for Fiscal Year 2016-2017 is consistent with the City of Manhattan Beach General Plan.

Pursuant to Code of Civil Procedure Section 1094.6, any action or proceeding to attack, review, set aside, void or annul this decision, or concerning any of the proceedings, acts or determinations taken, done or made prior to such decision or to determine the reasonableness, legality or validity of any condition attached to this decision shall not be maintained by any person unless the action or proceeding is commenced within 90 days of the date of this resolution and the City Council is served within 120 days of the date of this resolution. The City Clerk shall send a certified copy of this resolution to the applicant, and if any, the appellant at the address of said person set for in the record of the proceedings and such mailing shall constitute the notice required by Code of Civil Procedure Section 1094.6.

I hereby certify that the foregoing is a full, true and correct copy of the Resolution as adopted by the Planning Commission at its regular meeting of April 27, 2016; and, that said Resolution was adopted by the following vote:

Ayes:

Noes:

Absent:

Abstain:

**MARISA LUNDSTEDT**  
Secretary to the Planning Commission

Recording Secretary

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City of Manhattan Beach  
 FY2016-2017 Capital Improvement Plan General Plan Consistency Review

Attachment B

PROJECT TITLE	FY2016-17	FUND SOURCE(S)	Project Description	General Plan Element and/or Goal
<b>SUMMARY ALL PROJECT TYPES</b>				
WASTEWATER PROJECTS	\$100,000	See Below	See Below	See Below
WATER PROJECTS	\$3,835,000	See Below	See Below	See Below
STORMWATER PROJECTS	\$210,000	See Below	See Below	See Below
STREETS PROJECTS (w/out Sep Bdg)	\$4,030,000	See Below	See Below	See Below
FACILITIES PROJECTS	\$877,000	See Below	See Below	See Below
PARKING PROJECTS	\$854,500	See Below	See Below	See Below
<b>FUNDED PROJECTS BY TYPE TOTAL</b>	<b>\$9,906,500</b>			

**WASTEWATER PROJECTS**

1	Spot Repairs in Areas 5, 6 & 7 Rehabilitation of Gravity Sewer Mains	\$ 100,000	Wastewater Fund	Rehabilitation or replacement of Gravity Sewer Mains in maintenance areas 5, 6 (Tree Section and 7 (Sand Section) identified through CCTV inspection.	Infrastructure Goal I-8: Maintain a sewage system adequate to protect the health and safety of all Manhattan Beach residents and businesses.
	<b>Wastewater Projects TOTAL</b>	<b>\$ 100,000</b>			

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PROJECT TITLE	FY2016-17	FUND SOURCE(S)	Project Description	General Plan Element and/or Goal
<b><u>WATER PROJECTS</u></b>				
2 Paint Block 35 Elevated Tank	\$ 365,000	Water Fund	Strip and paint the Block 35 Elevated Tank.	Consistency determined by Planning Commission in FY14-15 CIP - additional funding needed to complete project.
3 Peck Ground Level Reservoir Replacement	\$ 500,000	Water Fund	As recommended in the City's 2010 Water Master Plan, replace existing 7.5 million gallon with an 8 million gallon reservoir.	Consistency determined by Planning Commission in FY14-15 CIP - additional funding needed to complete project.
4 Redrill & Equip Well 15	\$ 300,000	Water Fund	Redrill and equip Well 15; construct a building to house liquids and equipment.	Infrastructure Goal CS-1.3: Ensure that public and private water distribution and supply facilities have adequate capacity and reliability to supply both every day and emergency firefighting needs.  Infrastructure Goal I-7: Maintain and protect a reliable and cost effective water supply system capable of adequately meeting normal demand and emergency demand in the City.
5 Water Meter Upgrade and Automation	\$ 2,670,000	Water Fund	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.	Goal CR-5.7: Encourage the use of energy saving designs and devices in all new construction.  Infrastructure Goal I-7: Maintain and protect a reliable and cost effective water supply system
<b>Water Projects TOTAL \$</b>		<b>3,835,000</b>		



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PROJECT TITLE	FY2016-17	FUND SOURCE(S)	Project Description	General Plan Element and/or Goal
<b>STORMWATER PROJECTS</b>				
6 Stormwater Quality Improvement Catch Basin Inserts	\$ 210,000	Storm Drain Fund	Install catch basin inserts (screens) to prevent trash from entering the storm drain system.	Infrastructure Goal I-9: Maintain a storm drainage system that adequately protects the health and safety and property of Manhattan Beach residents.
<b>Stormwater Projects TOTAL</b>		<b>\$ 210,000</b>		

**CAPACITY ENHANCEMENTS (GRANT FUNDED)**

7 Sepulveda/Oak Neighborhood Intrusion Study	\$ 50,000	CIP Fund	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.	<p>Infrastructure Goal I-1: Provide a balanced transportation system that allows the safe and efficient movement of people, goods and services throughout the City.</p> <p>Infrastructure Goal I-2: Move commuter traffic through the City primarily on arterial streets, and on collector streets as appropriate, to protect other streets from the intrusion of commuter traffic.</p> <p>Infrastructure Policy I-2.3: Upgrade all major intersections and arterial streets to keep traffic moving efficiently.</p>
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PROJECT TITLE	FY2016-17	FUND SOURCE(S)	Project Description	General Plan Element and/or Goal
8 Protected Left-Turns: Manhattan Beach Blvd at Peck Ave	\$ 35,000	Msr R Local Return	Design and construct protected left turns in the eastbound and westbound directions at the intersection of Manhattan Beach Boulevard and Peck Avenue	<p>Infrastructure Goal I-1: Provide a balanced transportation system that allows the safe and efficient movement of people, goods and services throughout the City.</p> <p>Infrastructure Goal I-2: Move commuter traffic through the City primarily on arterial streets, and on collector streets as appropriate, to protect other streets from the intrusion of commuter traffic.</p> <p>Infrastructure Policy I-2.3: Upgrade all major intersections and arterial streets to keep traffic moving efficiently.</p>
9 Sepulveda Intersection Improvements (Rosecrans, 33rd, Cedar, 14th St & 2nd St.)	\$ 90,000	Proposition C	Improve conditions at multiple intersections along Sepulveda Blvd.	<p>Infrastructure Goal I-1: Provide a balanced transportation system that allows the safe and efficient movement of people, goods and services throughout the City.</p> <p>Infrastructure Goal I-2: Move commuter traffic through the City primarily on arterial streets, and on collector streets as appropriate, to protect other streets from the intrusion of commuter traffic.</p> <p>Infrastructure Policy I-2.3: Upgrade all major intersections and arterial streets to keep traffic moving efficiently.</p>
Capacity Enhancement Subtotal	\$ 175,000			

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PROJECT TITLE	FY2016-17	FUND SOURCE(S)	Project Description	General Plan Element and/or Goal
<b>PEDESTRIAN AND SAFETY IMPROVEMENTS</b>				
			Provision of features to enhance non-motorized modes of transportation such as walking and biking.	Infrastructure Goal I-1: Provide a balanced transportation system that allows the safe and efficient movement of people, goods and services throughout the City.
10 Annual Non-Motorized Transportation Project	\$ 100,000	CIP Fund		Infrastructure Goal I-6: Create well-marked pedestrian and bicycle networks that facilitate these modes of circulation.
11 CDBG Access Ramp Construction Project	\$ 100,000	CIP Fund (CDBG Funds)	Construct concrete access ramps at various locations throughout the City.	Consistency determined by Planning Commission in FY14-15 CIP - additional funding needed to complete project.
12 Veterans Parkway Pedestrian Access Master Plan	\$ 80,000	CIP Fund	Conduct an evaluation of existing and recommended pedestrian crossings and connections to the Veterans Parkway and prepare design plans to construct pedestrian connections.	Infrastructure Goal I-1: Provide a balanced transportation system that allows the safe and efficient movement of people, goods and services throughout the City.
Pedestrian & Safety Improvements Subtotal		\$ 280,000		

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PROJECT TITLE	FY2016-17	FUND SOURCE(S)	Project Description	General Plan Element and/or Goal
<b>CONCRETE REPAIRS</b>				
			Replacement of displaced curbs and gutters and installation of curb ramps.	Infrastructure Goal I-1: Provide a balanced transportation system that allows the safe and efficient movement of people, goods and services throughout the City.
13 Annual Curb, Gutter and Ramp Replacement Project	\$ 365,000	Gas Tax Fund		Infrastructure Goal I-6: Create well-marked pedestrian and bicycle networks that facilitate these modes of circulation.
Concrete Repairs Subtotal				
	\$ 365,000			
<b>ASPHALT PAVEMENT PROJECTS</b>				
14 Street Resurfacing Project: Blanche, Marine, & 27th	\$ 300,000	Gas Tax Fund	The project will mill and overlay the pavement surface and replace displaced curbs, gutters and sidewalk.	Consistency determined by Planning Commission in FY14-15 CIP - additional funding needed to complete project.
15 Street Resurfacing Project: MBB (Sepulveda to Aviation)	\$ 900,000	Gas Tax Fund	Mill and overlay the pavement surface, replace displaced curbs, gutters and sidewalk to extend the pavement useful life.	Consistency determined by Planning Commission in FY14-15 CIP - additional funding needed to complete project.
16 Annual Slurry Seal Project	\$ 385,000	Gas Tax Fund	Annual program to slurry City's streets in an effort to extend their useful life.	Infrastructure Goal I-1: Provide a balanced transportation system that allows the safe and efficient movement of people, goods and services throughout the City.

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PROJECT TITLE	FY2016-17	FUND SOURCE(S)	Project Description	General Plan Element and/or Goal
17 Triennial Pavement Management System Update	\$ 40,000	Gas Tax Fund	Inspect all City streets to assess condition, prioritize pavement maintenance and rehabilitation programs.	Infrastructure Policy I-1.1: Review the functioning of the street system on a regular basis to identify problems and develop solutions.
18 Street Resurfacing Project: Marine (Sepulveda to Aviation)	\$ 100,000	Proposition C	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.	Infrastructure Goal I-1: Provide a balanced transportation system that allows the safe and efficient movement of people, goods and services throughout the City.
19 Street Resurfacing Project: 1100 block of 3rd St.	\$ 350,000	Measure R Local Return	Resurface the 1100 block of 3rd St.	Infrastructure Goal I-1: Provide a balanced transportation system that allows the safe and efficient movement of people, goods and services throughout the City.
20 Street Resurfacing Project: Liberty Village	\$ 800,000	Measure R Local Return	Cold mill of 2 1/2" of existing asphalt and a new asphalt overlay; full depth removal and replacement of misc. failed areas; replacement of all displaced curb & gutter; & replacement of striping and pavement markings.	Infrastructure Goal I-1: Provide a balanced transportation system that allows the safe and efficient movement of people, goods and services throughout the City.
Asphalt Pavement Projects Subtotal	\$ 2,875,000			

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PROJECT TITLE	FY2016-17	FUND SOURCE(S)	Project Description	General Plan Element and/or Goal
<b><u>MISCELLANEOUS STREETS PROJECTS</u></b>				
21 Traffic Signal Preemption Devices	\$ 75,000	CIP Fund	This project will provide the installation of traffic pre-emption devices at signals to be used by the Fire Department vehicles during emergency responses.	Consistency determined by Planning Commission in FY 15-16 CIP - additional funding needed to complete project.
22 Sepulveda Blvd Multi-Modal Streetscape Plan	\$ 150,000	CIP Fund	Develop a multi-modal streetscape plan using Complete Streets concepts and methods to encourage pedestrian, bicycle and transit use along Sepulveda Boulevard.	<p>Infrastructure Goal I-1: Provide a balanced transportation system that allows the safe and efficient movement of people, goods and services throughout the City.</p> <p>Infrastructure Goal I-2: Move commuter traffic through the City primarily on arterial streets, and on collector streets as appropriate, to protect other streets from the intrusion of commuter traffic.</p> <p>Infrastructure Policy I-2.3: Upgrade all major intersections and arterial streets to keep traffic moving efficiently.</p>

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PROJECT TITLE	FY2016-17	FUND SOURCE(S)	Project Description	General Plan Element and/or Goal
23 Signal Battery Back-Up Installation	\$ 110,000	CIP Fund	Determine signal locations without, and upgrade with battery back-up.	<p>Infrastructure Goal I-1: Provide a balanced transportation system that allows the safe and efficient movement of people, goods and services throughout the City.</p> <p>Infrastructure Goal I-2: Move commuter traffic through the City primarily on arterial streets, and on collector streets as appropriate, to protect other streets from the intrusion of commuter traffic.</p> <p>Infrastructure Policy I-2.3: Upgrade all major intersections and arterial streets to keep traffic moving efficiently.</p>
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Miscellaneous Street Projectss Subtotal	\$ 335,000			
<b>Streets Projects TOTAL</b>	<b>\$ 4,030,000</b>			

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PROJECT TITLE	FY2016-17	FUND SOURCE(S)	Project Description	General Plan Element and/or Goal
<b><u>FACILITIES</u></b>				
24 Community Development Office Two (2) New Work Stations and Front Counter Modification	\$ 150,000	CIP Fund	This project would provide internet City network capabilities for all Parks and Receptions tennis programs.	Consistency determined by Planning Commission in FY 15-16 CIP - additional funding needed to complete project.
25 Engineering Division Space Planning	\$ 250,000	CIP Fund	The existing layout of the Engineering Division offices is only marginally functional. The offices are cramped and the file storage area is of an inadequate size for the materials requiring storage. This project will allow the reconfiguration of the existing space along with the possibility of repurposing the storage space on the east side of the existing offices.	Consistency determined by Planning Commission in FY 15-16 CIP - additional funding needed to complete project.
26 Village Field Replacement Turf	\$ 60,000	CIP Fund	Replacing the existing artificial turf with a new 10 year turf life span. Install a shade structure over the bleachers; update field lighting with an energy efficient light system and control link ( a system for flexible control and management of lights); & replace fencing & netting	Goal CR-1: Maintain a park, recreation, and open space system that provides a variety of recreational opportunities accessible to all residents and meets the needs of all residents.



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PROJECT TITLE	FY2016-17	FUND SOURCE(S)	Project Description	General Plan Element and/or Goal
27 Ceramics Studio Renovation	\$ 267,000	CIP Fund	Move and expand the operational space of the Ceramics Studio from current location to Live Oak Hall at Live Oak Park. Add a Metalworking/Jewelry Lab space adjacent to the Ceramics Studio at Live Oak Hall; fence-off a designated outdoor area for kilns, lockers as well as outdoor workspace; & upgrade existing HVAC and electrical panel. The current Ceramics Studio will be retrofitted to accommodate children's classes and programming.	Goal CR-1: Maintain a park, recreation, and open space system that provides a variety of recreational opportunities accessible to all residents and meets the needs of all residents.
28 Fiber Master Plan	\$ 150,000	CIP Fund	Develop a Citywide Fiber Master Plan to improve connectivity.	<p>Policy I-11.1: Accommodate the expansion of communications networks to address the needs of City residents, businesses, and other operations.</p> <p>Introduction and Overview, Page 9: Maintain vibrant commercial areas throughout the City with businesses that meet the desired needs of the community.</p> <p><i>Implied, but not specified in the General Plan is the goal to maintain existing facilities to assure that they provide service to the community for the foreseeable future.</i></p>
<b>Facilities TOTAL \$</b>				
		<b>877,000</b>		

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PROJECT TITLE	FY2016-17	FUND SOURCE(S)	Project Description	General Plan Element and/or Goal
<b>PARKING PROJECTS</b>				
29 Parking Structure Structural Rehabilitation/Reinvestment (Based on findings of Structural Inspection)	\$ 814,500	Parking Fund	Rehabilitation of the parking structures based on the results of the parking structural assessment.	Consistency determined by Planning Commission in FY14-15 CIP - additional funding needed to complete project.
30 Pier Lot Safety Lighting	\$ 40,000	State Pier & Parking Fund	Design and construct parking lot lighting in the Upper and Lower Pier lots.	Goal CR-1: Maintain a park, recreation, and open space system that provides a variety of recreational opportunities accessible to all residents and meets the needs of all residents.  Goal CS-1: Minimize the risks to public health, safety, and welfare resulting from natural and human-caused hazards.
<b>Parking Projects TOTAL \$ 854,500</b>				

\*North Manhattan Beach Business Improvement District funds may be used for projects other than parking.

<b>SUMMARY ALL PROJECT TYPES</b>				
PROJECT TITLE	FY2016-17	FUND SOURCE(S)	Project Description	General Plan Element and/or Goal
<b>WASTEWATER PROJECTS</b>	\$ 100,000	See Above	See Above	See Above
<b>WATER PROJECTS</b>	\$ 3,835,000	See Above	See Above	See Above
<b>STORMWATER PROJECTS</b>	\$ 210,000	See Above	See Above	See Above
<b>STREETS PROJECTS (w/out Sep Bdg)</b>	\$ 4,030,000	See Above	See Above	See Above
<b>FACILITIES PROJECTS</b>	\$ 877,000	See Above	See Above	See Above
<b>PARKING PROJECTS</b>	\$ 854,500	See Above	See Above	See Above
<b>FUNDED PROJECTS BY TYPE TOTAL</b>	<b>\$ 9,906,500</b>			

**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**New Project Type:** Utilities - Water

**Project Title:** Spot Repairs in Areas 5, 6, & 7 Rehabilitation of Gravity Sewer Mains

**Description:** Rehabilitation or Replacement of Gravity Sewer Mains in maintenance area 5, 6 (Tree Section) and 7 (Sand Section).

**Justification:** Locations in the above mentioned areas have been identified by maintenance staff and through CCTV inspection to require rehabilitation or replacement.

**Project Funding Information:**

FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
\$ 100,000	\$ 2,600,000				\$ 2,700,000	Wastewater Fund

**Location Map:**

No map

**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**Carryover Project Type: Utilities – Water**  
**Carryover Project Number: 15837E**

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

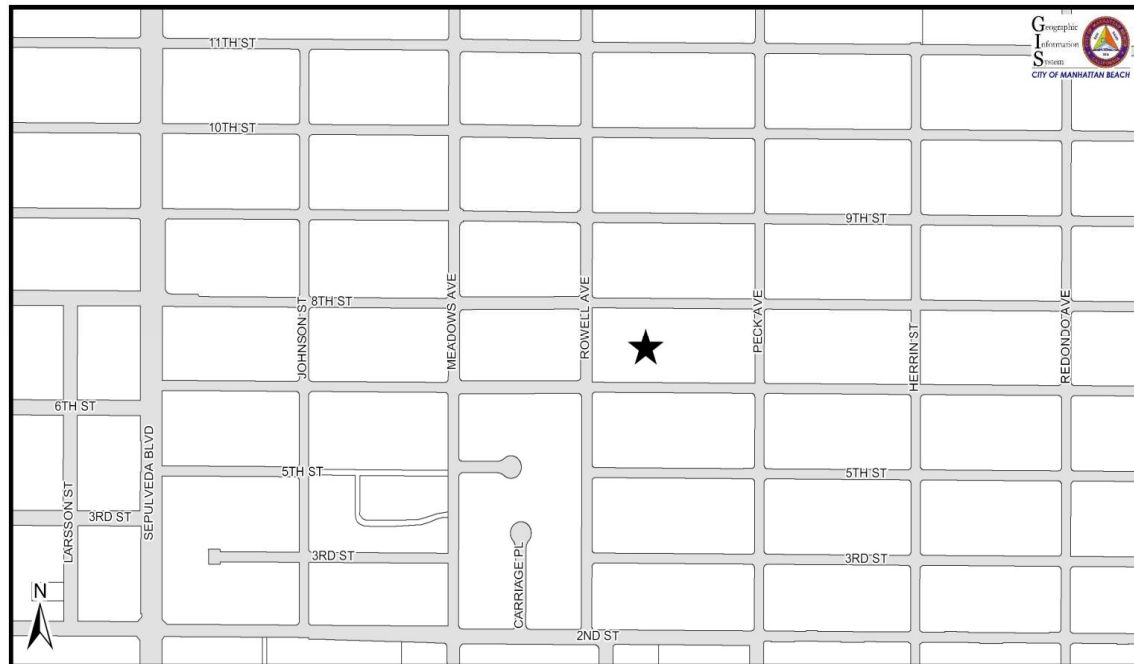
**Description:** Strip and paint the interior and exterior of the Block 35 Elevated Tank.

**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 interior and exterior surfaces be repainted and epoxied in order to keep metal corrosion under control.

**Project Funding Information:**

Carryover Project Number	Carryover Project Original Funding Yr	Status as of 03/31/16	Previously Committed Unspent Funds	FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
15837E	2014-15	design	\$498,740	\$365,000					\$863,740	Water Fund

**Location Map:**



**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**Carryover Project Type:** Utilities - Water

**Carryover Project number:** 15836E

**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.

**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. The appropriate size of the new water reservoir will be determined at the pre-design stage.

Carryover Project Number	Carryover Project Original Funding Yr	Status as of 03/31/16	Previously Committed Unspent Funds	FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
15836E	FY 2014-15	design	\$ 1,500,000	\$ 500,000	\$ 7,500,000				\$ 9,500,000	Water Fund

**Location Map:**



**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

**New Project Type:** Utilities - Water

**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 Funding Information:**

FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
\$ 300,000	\$ 250,000				\$ 550,000	Wastewater Fund

**Location Map:**



**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**New Project Type:** Utilities - Water

**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 Funding Information:**

FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
\$ 2,670,000	\$ 2,670,000				\$ 5,340,000	Wastewater Fund

**Location Map:**

No map; Citywide

**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**Carryover Project Type:** Utilities - Stormwater

**Carryover Project number:** 16401E

**Project Title:** Stormwater Quality Improvement: Catch Basin Inserts

**Description:** Installation of catch basin inserts (screens) to prevent trash from entering storm drain pipes.

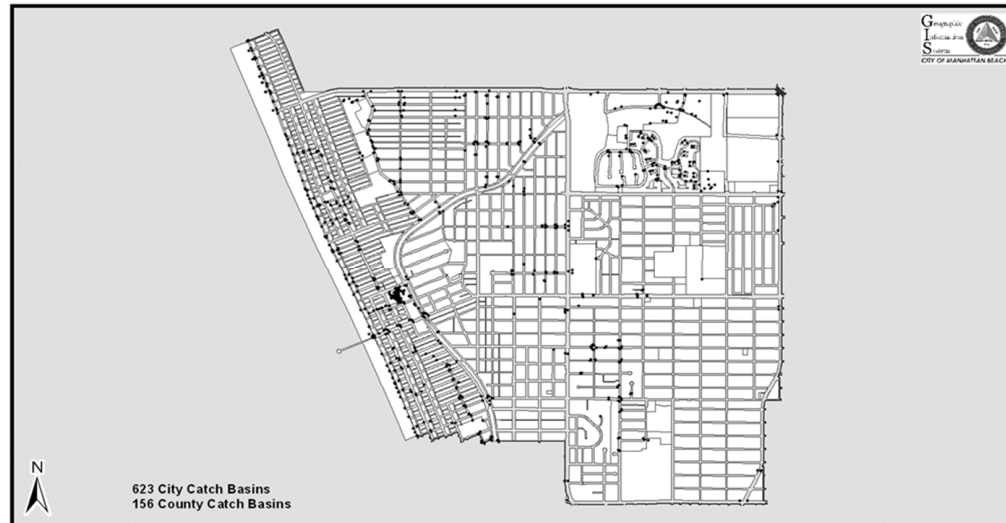
**Justification:** The National Pollutant Discharge Elimination System (NPDES) permit was reissued in winter 2012. This permit includes Total Maximum Daily Load (TMDL) requirements related to trash. The permit requires the installation of trash removal devices on all catch basins in the City. The Trash 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

Carryover Project Number	Carryover Project Original Funding Yr	Status as of 03/31/16	Previously Committed Unspent Funds	FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
16401E	FY2015-16	design	\$200,080	\$210,000	\$210,000	\$210,000	\$210,000	\$210,000	\$1,250,080	Storm Drain Fund

**Location Map:**





**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**New Project Type:** Streets - Capacity Enhancement

**Project Title:** Sepulveda/Oak 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 Funding Information:**

FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
\$50,000					\$50,000	CIP Fund

**Location Map:**

No map

**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

**New Project Type:** Streets - Capacity Enhancement

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

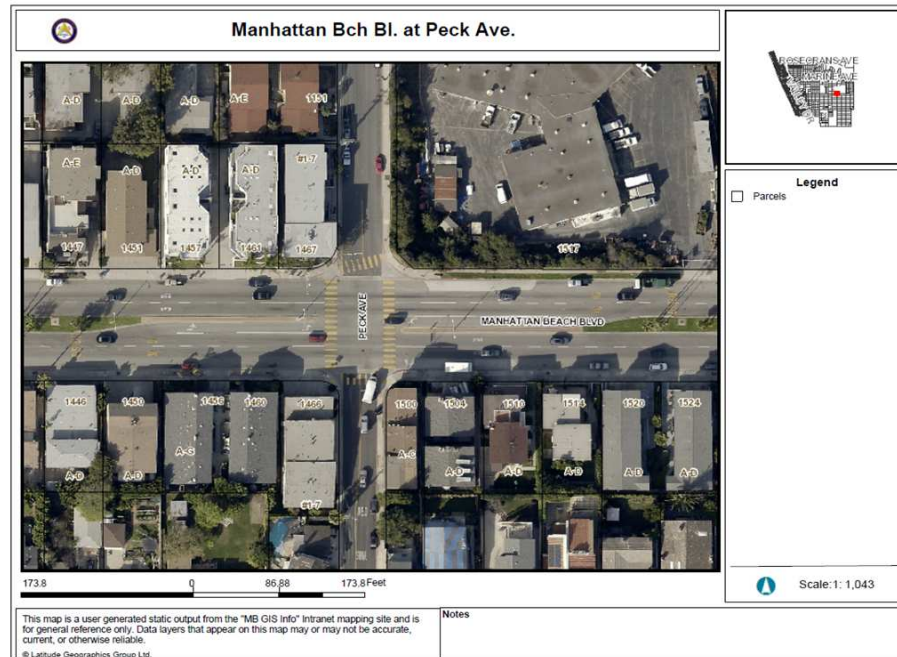
**Description:** Design and construct protected left turns in the eastbound and westbound directions at the intersection of Manhattan Beach Boulevard and Peck Avenue.

**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 Funding Information:**

FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
\$35,000	\$175,000				\$210,000	Msr R Local Return

**Location Map:**



**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**New Project Type:** Streets - Capacity Enhancement

**Project Title:** Sepulveda Intersection Improvements: Rosecrans, 33rd St., Cedar, 14th St. & 2nd St.

**Description:** The Project consists of constructing the following improvements at the following five intersections:

1. Sepulveda Boulevard and Rosecrans Avenue: Northbound Lane (NBL) - extend dual left turns pockets by 55', Southbound Lane (SBL) - extend dual left turns pockets by 150', Eastbound Lane (EBL) - extend dual left turns pockets by 110', Westbound Lane (WBL) - extend dual left turns pockets by 350'
2. Sepulveda Boulevard and 33rd Street: SBL - extend single left turn pocket by 45' and extend median island
3. Sepulveda Boulevard and 14th Street: SBL - extend single left turn pocket by 35' and modify median island
4. Sepulveda Boulevard and 2nd Street: SBL - extend single left turn pocket by 35' and modify median island, EBL - extend single left turn pocket by 50' and relocate pavement marking
5. Marine and Cedar (east of Sepulveda Boulevard): Modify lane configuration to increase capacity.

**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.

**Project Funding Information:**

FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
\$90,000	\$810,000				\$900,000	Proposition C

**Location Map:** No map

**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**Carryover Project Type:** Streets - Pedestrian and Safety Improvements

**Carryover Project number:** 15835E

**Project Title:** Non-Motorized Transportation Project

**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.

Carryover Project Number	Carryover Project Original Funding Yr	Status as of 03/31/16	Previously Committed Unspent Funds	FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
15835E	FY 2014-15	planning	\$193,130	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$693,130	CIP Fund

**Location Map:** No map. Improvements would be located on streets and sidewalks citywide.

**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**Carryover Project Type:** Streets - Pedestrian and Safety Improvements

**Carryover Project number:** 15834E

**Project Title:** CDBG Access Ramp Construction Project

**Description:** Construct concrete access ramps at various locations throughout the City.

**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.

Carryover Project Number	Carryover Project Original Funding Yr	Status as of 03/31/16	Previously Committed Unspent Funds	FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
15834E	FY 2014-15	design	\$312,830	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$812,830	CIP Fund (CDBG Funds)

**Location Map:** No map; Citywide

**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**New Project Type:** Streets - Pedestrian and Safety Improvements

**Project Title:** Veterans Parkway Pedestrian Access Master Plan

**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 Funding Information:**

FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
\$80,000					\$80,000	CIP Fund

**Location Map:** No map

**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**Carryover Project Type:** Streets - Concrete Repairs

**Carryover Project number:** 16108E

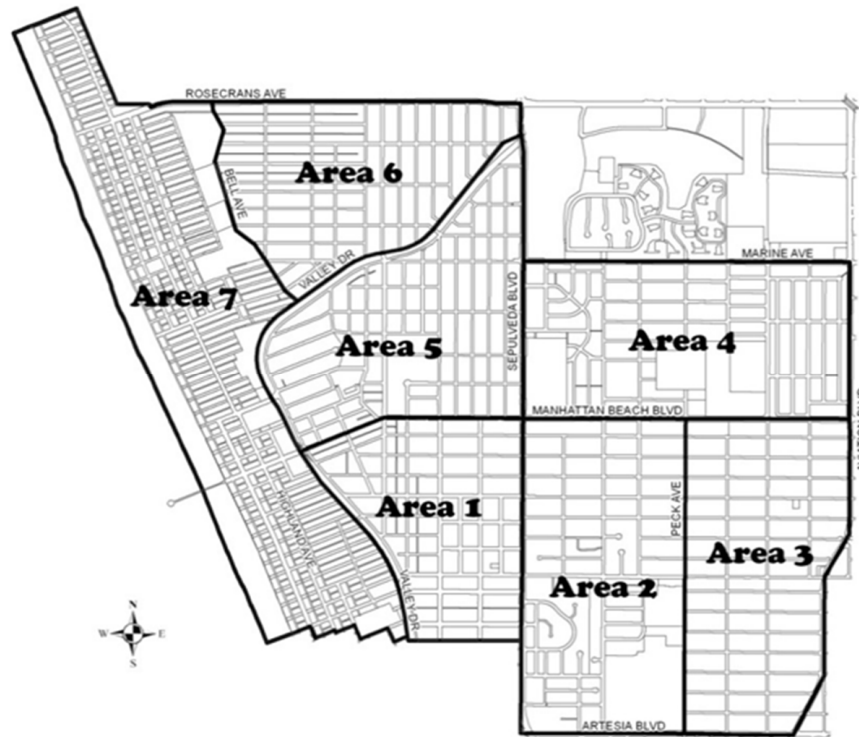
**Project Title:** Annual Curb, Gutter and Ramp Replacement Project

**Description:** Perform concrete improvements to the curb, gutters and ramps in a different area each fiscal year, so that the entire City is improved within a seven year cycle.

**Justification:** This annual program is designed to perform concrete improvements in advance of slurry sealing to mitigate trip hazards from tree roots, soil settlement and gutter ponding. Curb ramps are also installed as needed to comply with the Americans with Disabilities Act.

Carryover Project Number	Carryover Project Original Funding Yr	Status as of 03/31/16	Previously Committed Unspent Funds	FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
16108E	FY 2015-16	design	\$365,000	\$365,000	\$365,000	\$365,000	\$365,000	\$365,000	\$2,190,000	Gas Tax Fund

**Location Map:**



**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**Carryover Project Type:** Streets - Asphalt Pavement Projects

**Carryover Project number:** 15824E

**Project Title:** Street Resurfacing Project: Blanche Rd., Marine Ave. & 27th St.

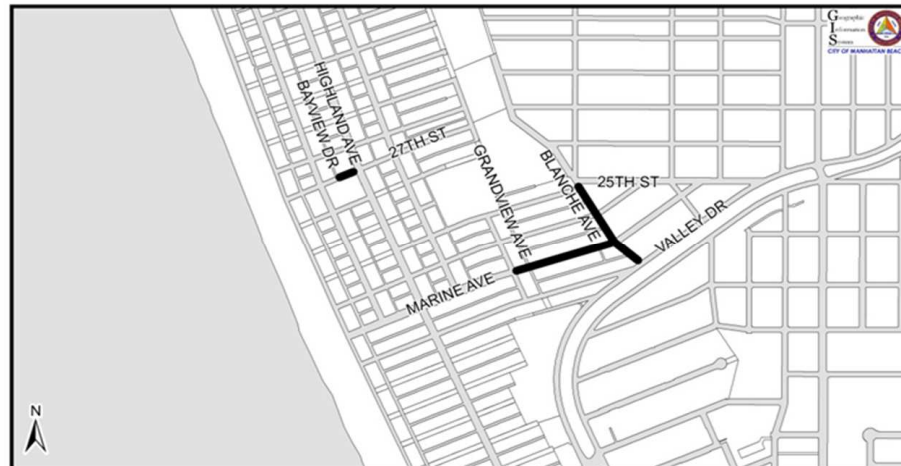
**Description:** The project will mill and overlay the pavement surface and replace displaced curbs, gutters and sidewalk at the following locations:

1. Blanche Rd. Valley Drive to 25th Street
2. Marine Ave. Grandview Ave. to Blanche Rd.
3. 27th St. Bayview Dr. to Highland Avenue

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

Carryover Project Number	Carryover Project Original Funding Yr	Status as of 03/31/16	Previously Committed Unspent Funds	FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
15824E	FY 2014-15	design	\$75,000	\$300,000					\$375,000	Gas Tax Fund

**Location Map:**





**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

**Carryover Project Type:** Streets - Asphalt Pavement Projects

**Carryover Project number:** 15825E

**Project Title:** Street Resurfacing Project: Manhattan Beach Blvd. (Sepulveda Blvd. to Aviation Blvd.)

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

**Justification:** The existing pavement on Manhattan Beach Boulevard within the project limits is deteriorated and rehabilitation is required.

Carryover Project Number	Carryover Project Original Funding Yr	Status as of 03/31/16	Previously Committed Unspent Funds	FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
15825E	FY 2014-15	design	\$96,415	\$900,000					\$996,415	Gas Tax Fund

**Location Map:**



**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

**Carryover Project Type:** Streets - Asphalt Pavement Projects

**Carryover Project number:** 16102E

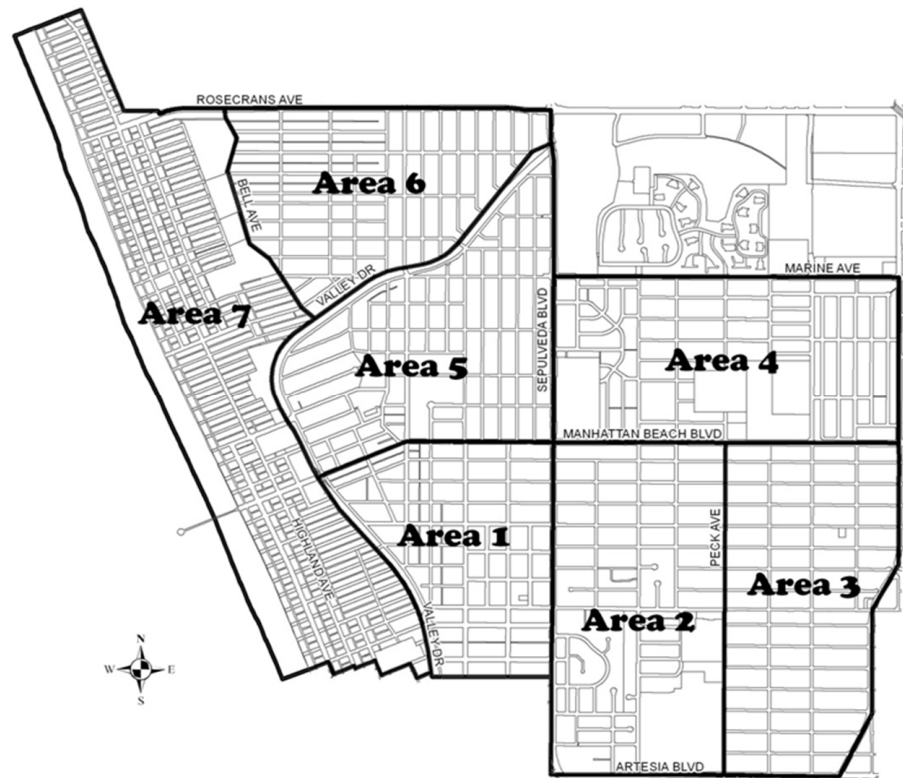
**Project Title:** Annual Slurry Seal Project

**Description:** Slurry seal the City's streets in a different area each fiscal year, so that the entire City is newly sealed within a seven year cycle.

**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.

Carryover Project Number	Carryover Project Original Funding Yr	Status as of 03/31/16	Previously Committed Unspent Funds	FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
16102E	FY2015-16	planning	\$385,000	\$385,000	\$385,000	\$385,000	\$385,000	\$385,000	\$2,310,000	Gas Tax Fund

**Location Map:**



**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**New Project Type:** Streets - Asphalt Pavement Projects

**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 evaluations will update pavement condition for all streets in the City except Sepulveda Boulevard which is a State Highway.

**Project Funding Information:**

FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
\$40,000			\$40,000		\$40,000	Gas Tax Fund

**Location Map:** No map; Citywide

**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**New Project Type:** Streets - Asphalt Pavement Projects

**Project Title:** Street Resurfacing Project: Marine Ave. (Sepulveda Blvd. to Aviation Blvd.)

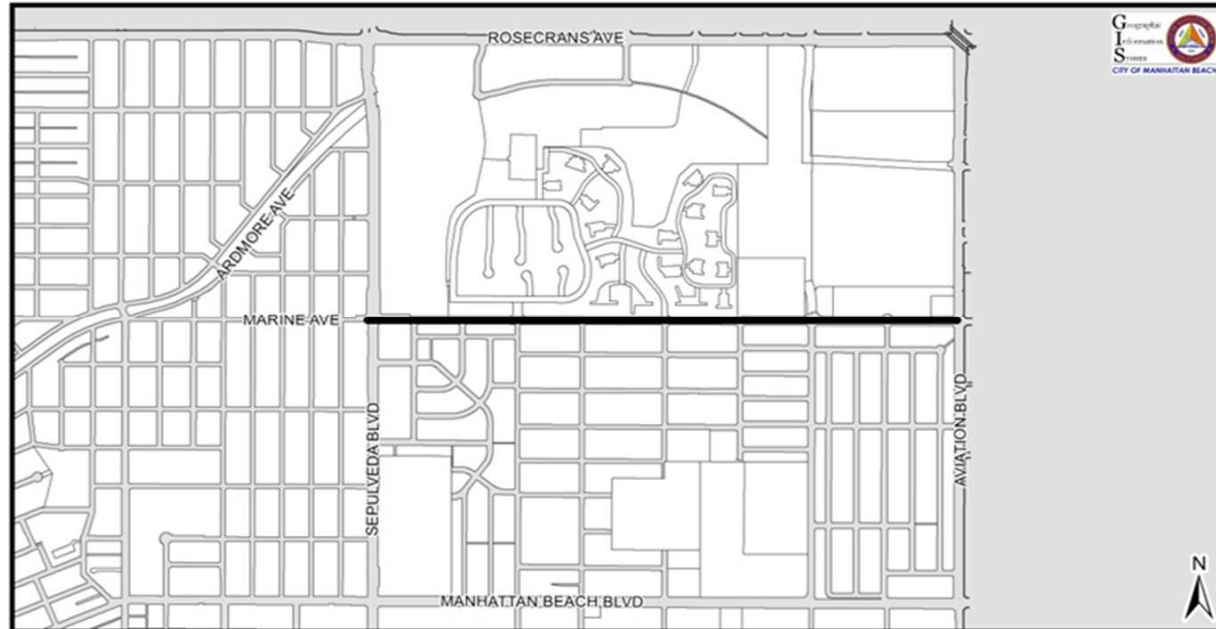
**Description:** The project will mill and overlay the pavement surface, replace displaced curbs, gutters and sidewalk to extend the pavement useful life on Marine Avenue from Sepulveda Boulevard to Aviation Boulevard.

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

**Project Funding Information:**

FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
\$100,000	\$700,000				\$800,000	Proposition C

**Location Map:**



**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**New Project Type:** Streets - Asphalt Pavement Projects

**Project Title:** Street Resurfacing Project: 1100 Block of 3rd St.

**Description:** Resurface the 1100 block of 3rd St.

**Justification:** The existing pavement on 3rd St. east of Johnson St. is deteriorated and rehabilitation is required.

**Project Funding Information:**

FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
\$350,000					\$350,000	Measure R Local Return

**Location Map:**

No map

**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**New Project Type:** Streets - Asphalt Pavement Projects

**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 Funding Information:**

FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
\$800,000					\$800,000	Measure R Local Return

**Location Map:**

No map

**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**Carryover Project Type:** Streets - Miscellaneous Street Projects

**Carryover Project number:** 16106E

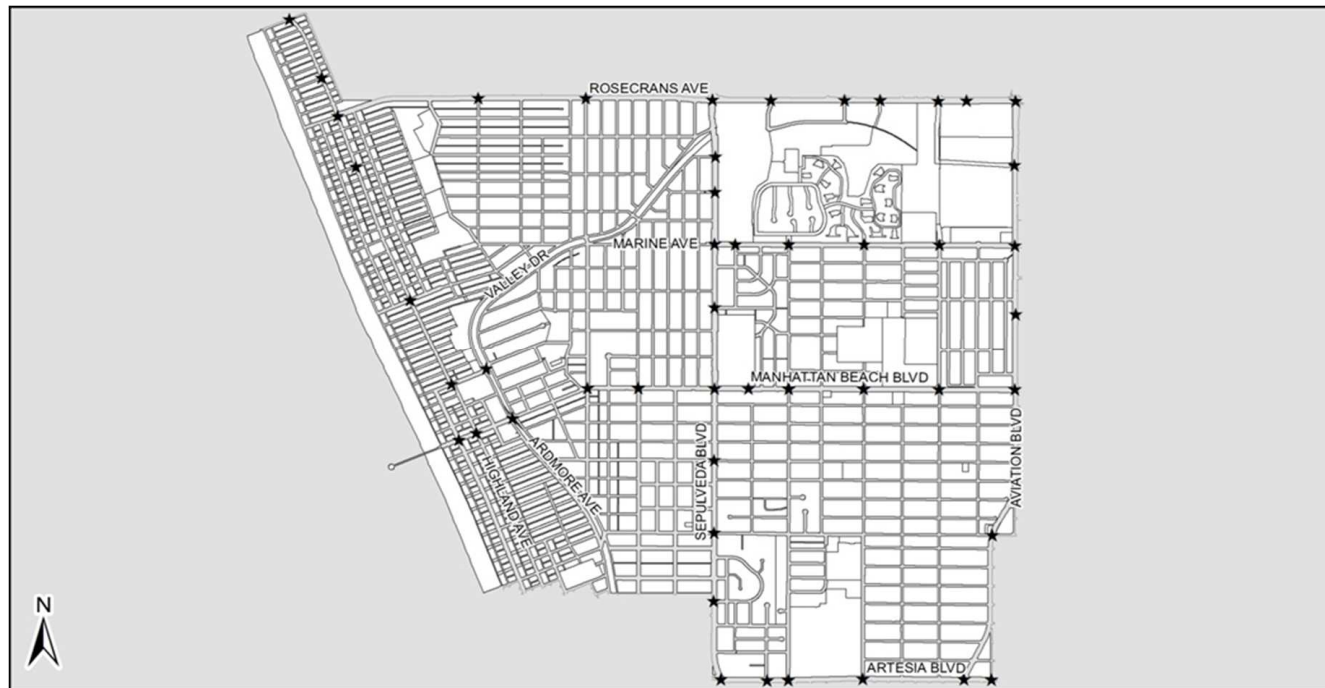
**Project Title:** Traffic Signal Preemption Devices

**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 also improves traffic safety for the motoring public.

Carryover Project Number	Carryover Project Original Funding Yr	Status as of 03/31/16	Previously Committed Unspent Funds	FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
16106E	FY2015-16	planning	\$75,000	\$75,000	\$75,000	\$75,000			\$300,000	CIP Fund

**Location Map:**



**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**New Project Type:** Streets - Miscellaneous Street Project

**Project Title:** 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 Funding Information:**

FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
\$110,000					\$110,000	CIP Fund

**Location Map:** No map; locations to be determined



**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**Carryover Project Type:** Facilities

**Carryover Project number:** 16203E

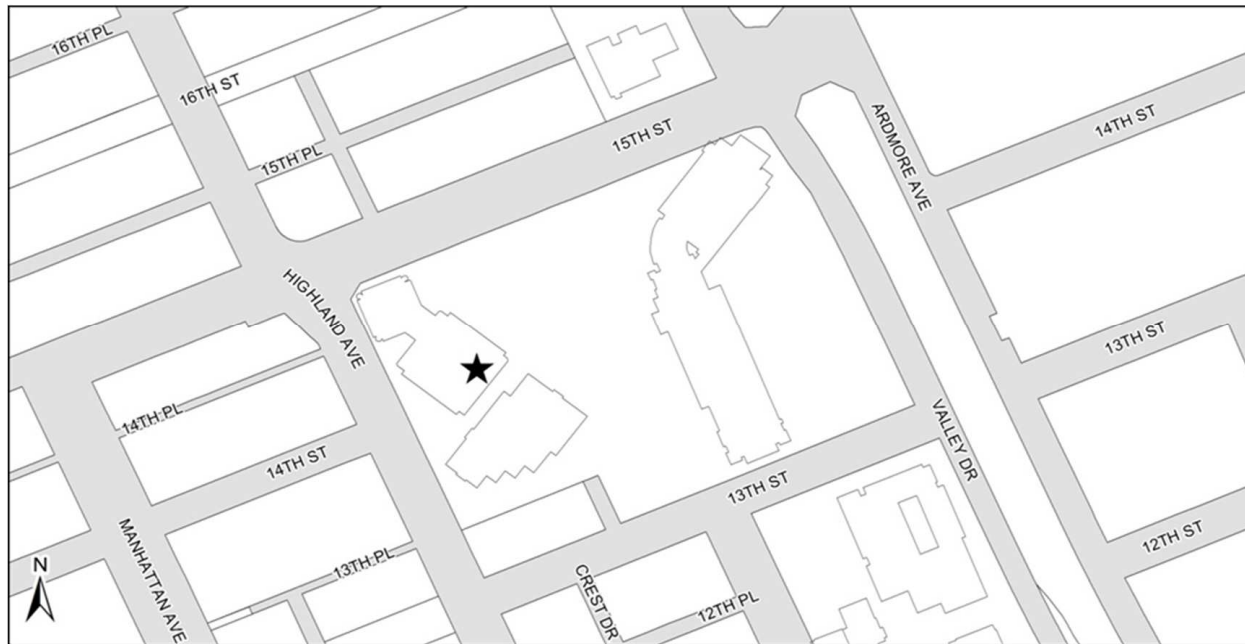
**Project Title:** Community Development Department Office Improvements: Two (2) New Work Stations and Front Counter

**Description:** Modify the Front Counter and add two additional work stations to the Community Development office area. Front Counter Modification: implementation of front counter kiosk and redesign of existing cubicle space to provide higher cubicle walls. Office Furniture: add two new cubicles and IS equipment including computers, monitors, phones and drop connections, and modifications to an existing cubicle to add a high front cubicle wall.

**Justification:** Customer services operations can be better served with kiosk check-in. This change will allow for queuing of customers, as well as a minimal level of privacy for staff workstations. Currently not all full-time staff has a permanent and functional work station.

Carryover Project Number	Carryover Project Original Funding Yr	Status as of 03/31/16	Previously Committed Unspent Funds	FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
16203E	FY2015-16	design	\$70,000	\$150,000					\$220,000	CIP Fund

**Location Map:**



**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**Carryover Project Type:** Facilities

**Carryover Project number:** 16211E

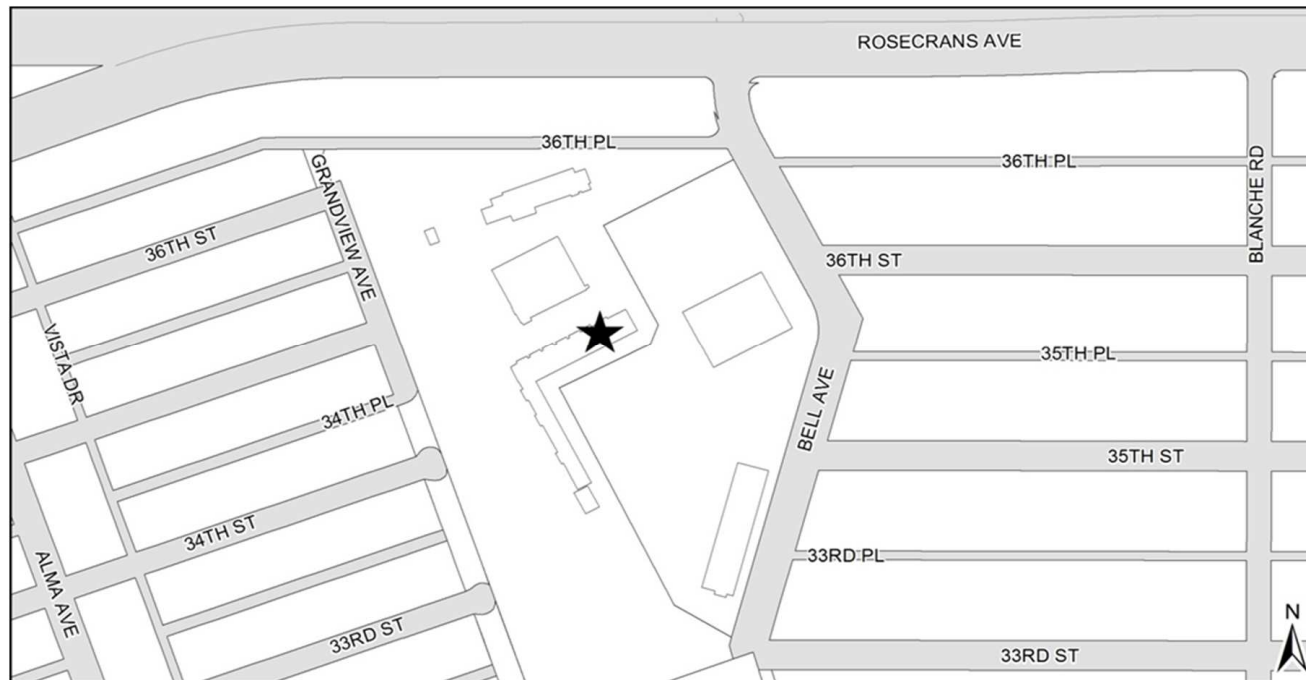
**Project Title:** Engineering Division Space Planning

**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.

Carryover Project Number	Carryover Project Original Funding Yr	Status as of 03/31/16	Previously Committed Unspent Funds	FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
16211E	FY2015-16	design	\$35,000	\$250,000					\$285,000	CIP Fund

**Location Map:**



**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**New Project Type:** Facilities

**Project Title:** Village Field Replacement Turf

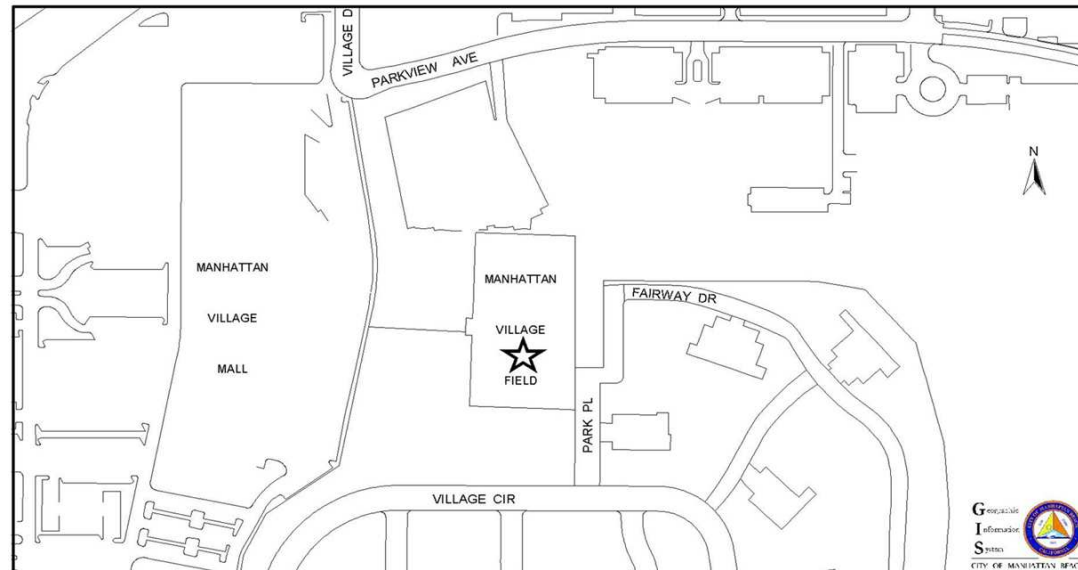
**Description:** Perform the following improvements to the Village Field: Replace the existing artificial turf with a new 10 year turf life span; install a shade structure over the bleachers; update field lighting with an energy efficient light system and control link ( a system for flexible control and management of lights); and replace fencing & netting.

**Justification:** Manhattan Village Soccer Field was converted from a natural grass field into a synthetic grass field in September of 2007. The original lifespan of the artificial turf was 10 years. Due to its heavy use year round mainly by AYSO, youth club soccer clubs and the City's adult 7 on 7 soccer league, the estimated use time is 1-2 years until a replacement is needed. Based on the square footage, the cost of the turf replacement is estimated at \$510,000. This includes removal and disposal of the existing turf as well as installation of the new turf. Staff will also solicit funding from local soccer organizations and corporate sponsors.

**Project Funding Information:**

FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
\$60,000	\$450,000				\$510,000	CIP Fund

**Location Map:**



**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

**New Project Type:** Facilities

**Project Title:** Ceramics Studio Renovation

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

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

**Project Funding Information:**

FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
\$267,000					\$267,000	CIP Fund

**Location Map:**

**Ceramics and Jewelry Studio at Live Oak Hall  
PROPOSAL - Option 1**

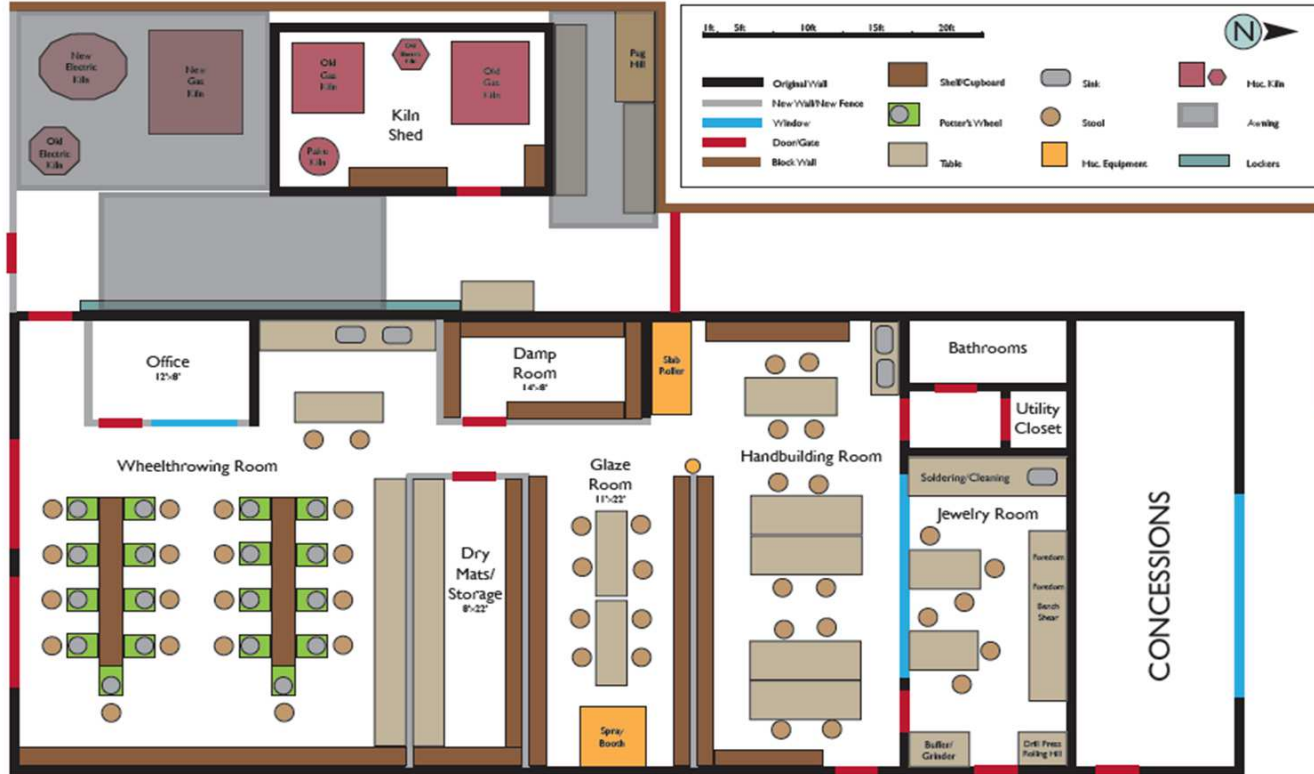
Prepared by Ellen R Stewart  
October 30, 2015



City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet

ATTACHMENT C

Continued: Ceramics Studio Renovation



**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

**New Project Type:** Facilities

**Project Title:** Fiber Master Plan

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

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

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

**Project Funding Information:**

FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
\$150,000					\$150,000	CIP Fund

**Location Map:** No map; Citywide

**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**Carryover Project Type:** Parking Project

**Carryover Project number:** 15846E

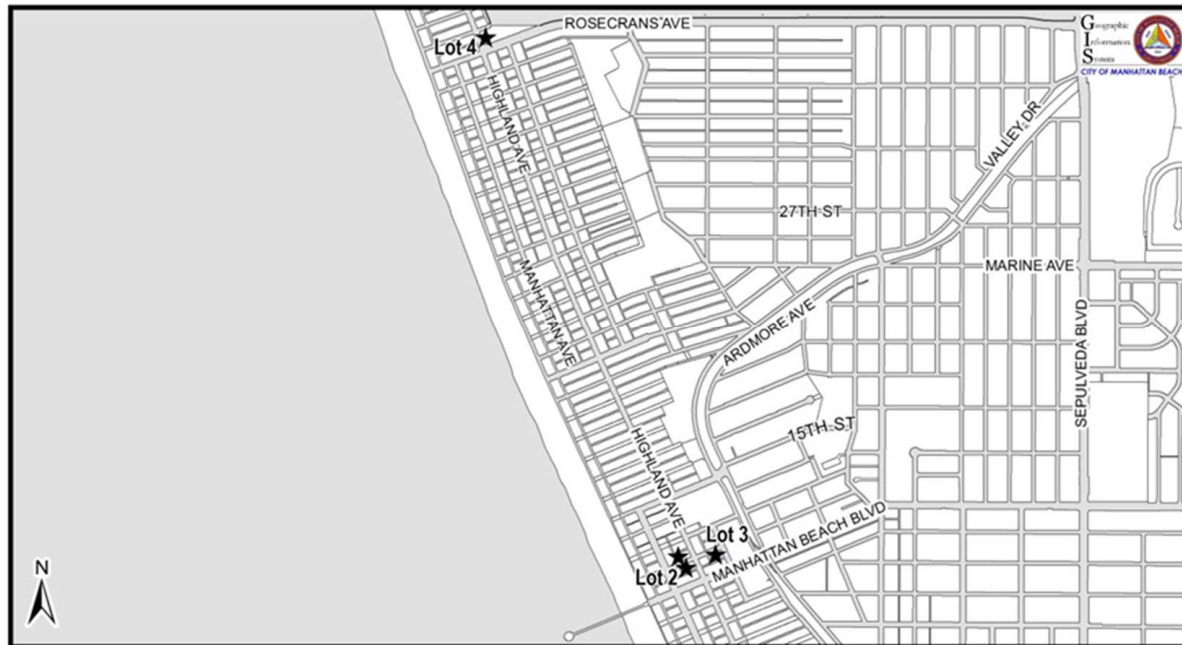
**Project Title:** Parking Structure Structural Rehabilitation/Reinvestment (Based on findings of Structural Inspection)

**Description:** Rehabilitation of parking structures 2, 3, and 4, based on the results of the parking structural assessment.

**Justification:** The rehabilitation efforts will address life and safety issues and extend the life of the structures.

Carryover Project Number	Carryover Project Original Funding Yr	Status as of 03/31/16	Previously Committed Unspent Funds	FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
15846E	FY 2014-15	construction	\$591,740	\$814,500					\$1,406,240	Parking Fund

**Location Map:**



**City of Manhattan Beach Capital Improvement Plan  
Project Summary Sheet**

ATTACHMENT C

**New Project Type:** Parking Project

**Project Title:** Pier Lot Safety Lighting

**Description:** Design and construct parking lot lighting in the upper and lower Pier parking 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 may lower crime rates.

**Project Funding Information:**

FY2016-17	FY2017-18	FY2018-19	FY2019-20	FY2020-21	FIVE YEAR TOTAL (Includes Previously Committed Unspent Funds & New Funds)	FUND SOURCE(S)
\$40,000	\$175,000				\$215,000	State Pier & Parking Fund

**Location Map:**  
No map