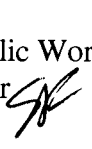



# CITY OF MANHATTAN BEACH

## MEMORANDUM

**TO:** Planning Commission

**THROUGH:** Laurie Jester, Acting Director of Community Development 

**FROM:** Jim Arndt, Director of Public Works  
Steve Finton, City Engineer  

**DATE:** April 28, 2010

**SUBJECT:** Determination of Consistency of the Proposed Fiscal Year 2010-11 Capital Improvement Plan with the City of Manhattan Beach General Plan

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### **RECOMMENDATION:**

Staff recommends that the Planning Commission review the report and adopt a resolution (Attachment A) determining that the proposed FY 2010-11 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.

### **DISCUSSION:**

Public Works staff is pleased to submit the FY 2010-11 CIP General Plan Consistency Report (Attachment B) for the Planning Commission's consideration. The report includes a list of all recommended projects for FY 2010-11, their funding source(s), estimated cost and a statement of consistency with the specific goals and policies of the General Plan. The five-year Capital Improvement Program Spreadsheet (Attachment C) and detailed Project Descriptions (Attachment D) are provided as well.

Recently completed water and sewer master plans indicate the need for additional investment in the City's water and sewer infrastructure. Rate increases instituted in January 2010 will provide additional funding to make the needed investment. The five-year CIP includes increasing levels of water and sewer funding starting at \$2M for water projects and \$1.25M for sewer projects in FY 2010-11 and increasing to \$5M for water projects and \$2.5M for sewer projects in FY 2014-15. The attached five-year CIP reflects the increased infrastructure investment.

Public Works staff believes that the projects identified in the FY 2010-11 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. Staff is

requesting that the Commission make the consistency finding on the FY 2010-11 CIP at this time. The remainder of the five –year plan is provided for the Commission’s information only. General plan consistence for future projects will be submitted for the Commission’s consideration in future years.

- Attachment:
- A. Draft CIP General Plan Consistency Resolution
  - B. FY 2010-11 CIP General Plan Consistency Review Report
  - C. FY 2010-15 CIP Spreadsheets.
  - D. FY 2010-15 CIP Project Descriptions

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF  
MANHATTAN BEACH, CALIFORNIA, DETERMINING THAT THE  
PROPOSED FISCAL YEAR 2010-11 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 2010-11 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, a public meeting was held on April 28, 2010; and,

WHEREAS, the Planning Commission reviewed the analysis and recommendations of Public Works and Community Development staff, contained in their Staff Report dated April 28, 2010.

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 2010-11 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 28, 2010; and, that said Resolution was adopted by the following vote:

Ayes:

Noes:

Absent:

Abstain:

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**Laurie Jester**

Secretary to the Planning Commission

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**Sarah Boeschen**

Recording Secretary

**Attachment B**  
**FY 2010-11 CIP General Plan Consistency Review Report**

City of Manhattan Beach, Capital Improvement Plan 2010-2011  
**GENERAL PLAN CONSISTENCY REVIEW REPORT**

PROJECT TITLE	FY 2010-11	Funding Source(s)	Project Description	General Plan Element and/or Goal
<b>Facilities</b>				
Emergency Vehicle Protective Cover	100,000	CIP Fund	Installation of a lightweight structure to cover SWAT Vehicle	<p><u>Goal CS-3:</u> Maintain a high level of City emergency response services.</p> <p><u>Goal CS-4:</u> Maintain a high level of police protection services.</p>
High Efficiency HVAC and Flooring: Manhattan Heights Park	103,000	CIP Fund	Replacement of HVAC system and flooring at Heights Park	<p><u>Goal CR-5:</u> Conserve and protect the remaining natural resources in Manhattan Beach. <u>Policy CR-5.1:</u> Employ principles of a sustainable environment in the development, operation, and maintenance of the community, emphasizing the importance of respecting and conserving the natural resources.</p> <p><u>Goal CR-1:</u> 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.</p>
High Efficiency HVAC and Lighting: City Hall	1,660,000	CIP Fund	Replacement of HVAC systems at City Hall and The Police and Fire Facility	<p><u>Goal CR-5:</u> Conserve and protect the remaining natural resources in Manhattan Beach. <u>Policy CR-5.1:</u> Employ principles of a sustainable environment in the development, operation, and maintenance of the community, emphasizing the importance of respecting and conserving the natural resources.</p> <p><u>Goal CR-1:</u> 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.</p>
High Efficiency HVAC-replacement: Live Oak Park	20,000	CIP Fund	Replacement of HVAC system and flooring at Live Oak Park	<p><u>Goal CR-5:</u> Conserve and protect the remaining natural resources in Manhattan Beach. <u>Policy CR-5.1:</u> Employ principles of a sustainable environment in the development, operation, and maintenance of the community, emphasizing the importance of respecting and conserving the natural resources.</p> <p><u>Goal CR-1:</u> 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.</p>
Automated Parking Meters	850,000	CIP Fund	Upgrade current single space parking meters to multiple space meters with Autocite integration	<p><u>Infrastructure Goal I-3:</u> Ensure that adequate parking and loading facilities are available to support both residential and commercial needs.</p> <p><u>Goal CR-1:</u> 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.</p>
Pier Condition Assessment	90,000	State Pier Fund	Inspection of the pier structure to determine condition and to identify needed maintenance.	<p><u>Goal CS-1:</u> Minimize the risks to public health, safety, and welfare resulting from natural and human-caused hazards.</p>
City-Owned Refuse Enclosure Improvements	700,000	Refuse Fund	Improvement of 18 City-owned refuse enclosures with installation of sewer connections and covers to eliminate discharges to the storm drain system.	<p><u>Policy I-9.5 and LU-2.4</u> Support appropriate storm water pollution mitigation measures.</p>
<b>Facilities TOTAL</b>	<b>3,523,000</b>			

City of Manhattan Beach, Capital Improvement Plan 2010-2011  
**GENERAL PLAN CONSISTENCY REVIEW REPORT**

PROJECT TITLE	FY 2010-11	Funding Source(s)	Project Description	General Plan Element and/or Goal
<b>Streets</b>				
Street Resurfacing Project: Pacific Avenue: Manhattan Beach Blvd. to Rosecrans Ave.	400,000	Gas Tax Fund ARRA Grant Funds	Pavement rehabilitation	<u>Infrastructure Goal I-1:</u> Provide a balanced transportation system that allows the safe and efficient movement of people, goods and services throughout the City.
Street Resurfacing Project: Rosecrans Avenue: Sepulveda Blvd. to Redondo Ave.	250,000	Gas Tax Fund ARRA Grant Funds	Pavement rehabilitation	<u>Infrastructure Goal I-1:</u> Provide a balanced transportation system that allows the safe and efficient movement of people, goods and services throughout the City.
Street Resurfacing Project: 17th & 18th Street: Ardmore - Flournoy/Cul-De-Sac	160,000	ARRA Grant Funds	Pavement rehabilitation	<u>Infrastructure Goal I-1:</u> Provide a balanced transportation system that allows the safe and efficient movement of people, goods and services throughout the City.
Annual Curb, Gutter and Ramp Replacement Project	450,000	Gas Tax Fund	Replacement of displaced curbs and gutters and installation of curb ramps	<u>Goal I-9:</u> Maintain a storm drainage system that adequately protects the health and safety and property of Manhattan Beach residents. <u>Goal I-6:</u> Create well-marked pedestrian and bicycle networks that facilitate these modes of circulation.
Annual Slurry Seal Program	350,000	Gas Tax Fund	Annual program to slurry City's streets in an effort to extend their useful life before resurfacing.	<u>Infrastructure Policy I-1.1:</u> Review the functioning of the street system on a regular basis to identify problems and develop solutions.
Biennial Pavement Management System Update	40,000	Gas Tax Fund	Mandated biennial review of pavement condition to assist in prioritization of pavement maintenance efforts.	<u>Infrastructure Policy I-1.1:</u> Review the functioning of the street system on a regular basis to identify problems and develop solutions.
<b>Streets TOTAL</b>	<b>1,650,000</b>			
<b>Water</b>				
2nd Street Booster Pump Station ( <i>Design only</i> )	50,000	Water Fund		<u>Infrastructure Policy I-7.1:</u> Periodically evaluate the entire water supply and distribution system to ensure its continued adequacy, reliability, and safety.
Artesia Boulevard Circulation Line (Peck to Prospect)	550,000	Water Fund		<u>Infrastructure Policy I-7.1:</u> Periodically evaluate the entire water supply and distribution system to ensure its continued adequacy, reliability, and safety. <u>Goal I-7:</u> Maintain and protect a reliable and cost effective water supply system capable of adequately meeting normal demand and emergency demand in the City.
Fiber Optic Improvement ( <i>Design only</i> )	32,500	Water Fund Sewer Fund		<u>Goal I-8:</u> Maintain a sewage system adequate to protect the health and safety of all Manhattan Beach residents and businesses. <u>Goal I-9:</u> Maintain a storm drainage system that adequately protects the health and safety and property of Manhattan Beach resident
Pipe Replacement Program and Fire Hydrant Installation (Area 7) ( <i>Design only</i> )	200,000	Water Fund		<u>Infrastructure Policy I-7.1:</u> Periodically evaluate the entire water supply and distribution system to ensure its continued adequacy, reliability, and safety.
Water Main Replacement: Pacific Avenue (MBB-Rosecrans)	1,200,000	Water Fund		<u>Infrastructure Policy I-7.1:</u> Periodically evaluate the entire water supply and distribution system to ensure its continued adequacy, reliability, and safety.
<b>Water TOTAL</b>	<b>2,032,500</b>			

City of Manhattan Beach, Capital Improvement Plan 2010-2011  
**GENERAL PLAN CONSISTENCY REVIEW REPORT**

<b>PROJECT TITLE</b>	<b>FY 2010-11</b>	<b>Funding Source(s)</b>	<b>Project Description</b>	<b>General Plan Element and/or Goal</b>
<b>Sewer</b>				
10-11 Rehabilitation of Gravity Sewer Mains	1,050,000	Sewer Funds		<u>Goal I-8</u> : Maintain a sewage system adequate to protect the health and safety of all Manhattan Beach residents and businesses.
11-12 Rehabilitation of Gravity Sewer Mains ( <i>Design only</i> )	200,000	Sewer Funds		<u>Goal I-8</u> : Maintain a sewage system adequate to protect the health and safety of all Manhattan Beach residents and businesses.
Fiber Optic Improvement ( <i>Design only</i> )	32,500	Sewer Funds Water Funds		<u>Goal I-7</u> : Maintain and protect a reliable and cost effective water supply system capable of adequately meeting normal demand and emergency demand in the City. <u>Goal I-8</u> : Maintain a sewage system adequate to protect the health and safety of all Manhattan Beach residents and businesses. <u>Goal I-9</u> : Maintain a storm drainage system that adequately protects the health and safety and property of Manhattan Beach resident
<b>Sewer TOTAL</b>	<b>1,282,500</b>			
<b>GRAND TOTAL</b>	<b>\$8,488,000</b>			

**Attachment C**  
**FY 2010-15 CIP Spreadsheets**



City of Manhattan Beach, Capital Improvement Plan 2010-2015

**PROJECTS BY TYPE FOR FY2010-2011 THRU FY2014-2015**

PROJECT TITLE	FY2010-11	FY2011-12	FY2012-13	FY2013-14	FY2014-15	FIVE YEAR TOTAL	Funding Source(s)
<b>Facilities</b>							
Emergency Vehicle Protective Cover	\$ 100,000.00					\$ 100,000.00	Grant Funds
High Efficiency HVAC and Flooring: Manhattan Heights Park	\$ 103,000.00					\$ 103,000.00	CIP Fund
High Efficiency HVAC and Lighting: City Hall	\$ 1,660,000.00					\$ 1,660,000.00	CIP Fund
High Efficiency HVAC-replacement: Live Oak Park	\$ 20,000.00					\$ 20,000.00	CIP Fund
Pier Condition Assessment	\$ 90,000.00					\$ 90,000.00	Pier Funds
<b>Facilities TOTAL</b>	<b>\$ 1,973,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,973,000.00</b>	
<b>Streets</b>							
Annual Curb, Gutter and Ramp Replacement Project	\$ 450,000.00	\$ 400,000.00	\$ 169,382.00	\$ 315,000.00	\$ 365,000.00	\$ 1,699,382.00	Gas Tax Fund
Annual Slurry Seal Program	\$ 350,000.00	\$ 425,000.00	\$ 350,000.00	\$ 350,000.00	\$ 350,000.00	\$ 1,825,000.00	Gas Tax Fund
Biennial Pavement Management System Update	\$ 40,000.00					\$ 40,000.00	Gas Tax Fund
Morningside Drive Rehabilitation					\$ 250,000.00	\$ 250,000.00	Gas Tax Fund
Street Resurfacing Project: 17th & 18th Street (Ardmore - Flournoy/Cul-De-Sac)	\$ 160,000.00					\$ 160,000.00	Grant Funds
Street Resurfacing Project: Ardmore and Valley*		\$ 454,240.00				\$ 454,240.00	Gas Tax Fund Grant Funds
Street Resurfacing Project: Blanche, Marine, Oak, 27th St & 11th St				\$ 300,000.00		\$ 300,000.00	Gas Tax Fund
Street Resurfacing Project: Pacific Avenue	\$ 400,000.00					\$ 400,000.00	Gas Tax Fund Grant Funds
Street Resurfacing Project: Rosecrans Avenue	\$ 250,000.00					\$ 250,000.00	Gas Tax Fund Grant Funds
<b>Streets TOTAL</b>	<b>\$ 1,650,000.00</b>	<b>\$ 1,279,240.00</b>	<b>\$ 519,382.00</b>	<b>\$ 965,000.00</b>	<b>\$ 965,000.00</b>	<b>\$ 5,378,622.00</b>	

\*Project has multiple funding sources

City of Manhattan Beach, Capital Improvement Plan 2010-2015

**PROJECTS BY TYPE FOR FY2010-2011 THRU FY2014-2015**

PROJECT TITLE	FY2010-11	FY2011-12	FY2012-13	FY2013-14	FY2014-15	FIVE YEAR TOTAL	Funding Source(s)
<b>Utilities</b>							
2nd Street Booster Pump Station	\$ 50,000.00	\$ 580,000.00				\$ 630,000.00	Water Fund
10-11 Rehabilitation of Gravity Sewer Mains	\$ 1,050,000.00					\$ 1,050,000.00	Sewer Fund
11-12 Rehabilitation of Gravity Sewer Mains	\$ 200,000.00	\$ 1,140,000.00				\$ 1,340,000.00	Sewer Fund
12-13 Rehabilitation of Gravity Sewer Mains		\$ 150,000.00	\$ 1,300,000.00			\$ 1,450,000.00	Sewer Fund
11-12 thru 14-15 Rehabilitation of Sewer Manholes		\$ 100,000.00	\$ 150,000.00		\$ 150,000.00	\$ 400,000.00	Sewer Fund
Artesia Boulevard Circulation Line (Peck to Prospect)	\$ 550,000.00					\$ 550,000.00	Water Fund
Automated Parking Meters (Citywide)	\$ 850,000.00					\$ 850,000.00	Parking Fund
City-Owned Refuse Enclosure Improvements	\$ 700,000.00					\$ 700,000.00	Refuse Fund
Fiber Optic Improvement (21 sites)	\$ 65,000.00	\$ 635,000.00				\$ 700,000.00	Water Fund Sewer Fund
Larsson Street Pump Station Improvement		\$ 100,000.00	\$ 500,000.00			\$ 600,000.00	Water Fund
Pacific Pump Station Upgrade				\$ 100,000.00	\$ 836,900.00	\$ 936,900.00	Sewer Fund
Poinsettia Sewage Pump Station				\$ 405,000.00	\$ 2,362,000.00	\$ 2,767,000.00	Sewer Fund
Pipe Replacement Program and Fire Hydrant Installation (Area 7)	\$ 200,000.00	\$ 2,000,000.00				\$ 2,200,000.00	Water Fund
Pipe Replacement Program and Fire Hydrant Installation (Area 1)		\$ 150,000.00	\$ 1,050,000.00			\$ 1,200,000.00	Water Fund
Pipe Replacement Program and Fire Hydrant Installation (Area 2)			\$ 200,000.00	\$ 1,600,000.00		\$ 1,800,000.00	Water Fund
Pipe Replacement Program and Fire Hydrant Installation (Area 3)				\$ 100,000.00	\$ 900,000.00	\$ 1,000,000.00	Water Fund
Water Main Replacement: Pacific Avenue (MBB-Rosecrans)	\$ 1,200,000.00					\$ 1,200,000.00	Water Fund
Water Main Replacement: Sepulveda Boulevard & 2nd Street (Sep-MBB to 2nd; 2nd-Larsson Pump to 2nd St Pump)			\$ 100,000.00	\$ 800,000.00		\$ 900,000.00	Water Fund
Water Well at Aviation Boulevard/6th Street (Well 13)			\$ 530,000.00	\$ 4,114,000.00		\$ 4,644,000.00	Water Fund
<b>Utilities TOTAL</b>	<b>\$ 4,865,000.00</b>	<b>\$ 4,855,000.00</b>	<b>\$ 3,830,000.00</b>	<b>\$ 7,119,000.00</b>	<b>\$ 4,248,900.00</b>	<b>\$ 24,917,900.00</b>	
<b>PROJECT BY TYPE TOTAL</b>	<b>\$ 8,488,000.00</b>	<b>\$ 6,134,240.00</b>	<b>\$ 4,349,382.00</b>	<b>\$ 8,084,000.00</b>	<b>\$ 5,213,900.00</b>	<b>\$ 32,269,522.00</b>	

\*Project has multiple funding sources

City of Manhattan Beach, Capital Improvement Plan 2010-2015

**PROJECTS BY FUND FOR FY2010-2011 THRU FY2014-2015**

PROJECT TITLE	Carryover Projects Budget	FY2010-11	FY2011-12	FY2012-13	FY2013-14	FY2014-15	FIVE YEAR TOTAL
<b>AB2766 Fund</b>							
<b>FY10-11 thru FY14-15 Projects</b>							
No projects requested							
<b>FY10-11 thru FY14-15 Subtotal</b>							
<b>Carryover Projects**</b>							
Alternative Fuel Station Expansion	\$ 100,000.00						
<b>Carryover Projects Subtotal</b>	\$ 100,000.00						
<b>AB2766 Fund TOTAL</b>							\$ 100,000.00
<b>Capital Improvement Fund</b>							
<b>FY10-11 thru FY14-15 Projects</b>							
High Efficiency HVAC and Flooring: Manhattan Heights Park		\$ 103,000.00					\$ 103,000.00
High Efficiency HVAC and Lighting: City Hall		\$ 1,660,000.00					\$ 1,660,000.00
High Efficiency HVAC-replacement: Live Oak Park		\$ 20,000.00					\$ 20,000.00
<b>FY10-11 thru FY14-15 Subtotal</b>							\$ 1,783,000.00
<b>Carryover Projects**</b>							
City Yard Cover*	\$ 115,000.00						
Energy Retrofit Audit (200K reduced to 150K FY08-09)	\$ 85,050.00						
Exterior Painting & Landscaping CH & Library	\$ 60,857.29						
Live Oak & Manhattan Heights Fence	\$ 280,000.00						
Safe Routes School Program*	\$ 81,000.00						
Strand Stairs	\$ 320,000.00						
<b>Carryover Projects Subtotal</b>	\$ 941,907.29						
<b>Capital Improvement Fund TOTAL</b>		\$ 1,783,000.00					\$ 2,724,907.29
<b>Gas Tax, Prop 42, TDA &amp; MTA STP-L</b>							
<b>FY10-11 thru FY14-15 Projects</b>							
Annual Curb, Gutter and Ramp Replacement Project	\$ 450,000.00	\$ 400,000.00	\$ 169,382.00	\$ 315,000.00	\$ 365,000.00	\$ 1,699,382.00	
Annual Slurry Seal Program	\$ 350,000.00	\$ 425,000.00	\$ 350,000.00	\$ 350,000.00	\$ 350,000.00	\$ 1,825,000.00	
Biennial Pavement Management System Update	\$ 40,000.00					\$ 40,000.00	
Morningside Drive Rehabilitation					\$ 250,000.00	\$ 250,000.00	
Street Resurfacing Project: Ardmere and Valley*		\$ 400,000.00				\$ 400,000.00	
Street Resurfacing Project: Blanche, Marine, Oak, 27th St & 11th St					\$ 300,000.00	\$ 300,000.00	
Street Resurfacing Project: Pacific Avenue*	\$ 140,000.00					\$ 140,000.00	
Street Resurfacing Project: Rosecrans Avenue*	\$ 125,000.00					\$ 125,000.00	
<b>FY10-11 thru FY14-15 Subtotal</b>						\$ 4,779,382.00	
<b>Carryover Projects**</b>							

\*Project has multiple funding sources

\*\*Available funds for Carryover Projects is effective 06/30/10. Funds spent after this date will be reflected on next year's budget.

City of Manhattan Beach, Capital Improvement Plan 2010-2015

**PROJECTS BY FUND FOR FY2010-2011 THRU FY2014-2015**

<b>PROJECT TITLE</b>	<b>Carryover Projects Budget</b>	<b>FY2010-11</b>	<b>FY2011-12</b>	<b>FY2012-13</b>	<b>FY2013-14</b>	<b>FY2014-15</b>	<b>FIVE YEAR TOTAL</b>
<i>11th Place Resurfacing</i>	\$ 50,000.00						
<i>Annual Slurry Seal Program 09-10 (Area 5)</i>	\$ 425,000.00						

\*Project has multiple funding sources

\*\*Available funds for Carryover Projects is effective 06/30/10. Funds spent after this date will be reflected on next year's budget.

City of Manhattan Beach, Capital Improvement Plan 2010-2015

**PROJECTS BY FUND FOR FY2010-2011 THRU FY2014-2015**

PROJECT TITLE	Carryover Projects Budget	FY2010-11	FY2011-12	FY2012-13	FY2013-14	FY2014-15	FIVE YEAR TOTAL
Dual Left-Turn Lanes on Marine Ave at Sepulveda Blvd Manhattan Ave./Highland Ave. Improvement Project (1st-8th)*	\$ 265,000.00						
	\$ 100,000.00						
<b>Carryover Projects Subtotal</b>	<b>\$ 840,000.00</b>						
<b>Gas Tax Fund TOTAL</b>		<b>\$ 1,105,000.00</b>	<b>\$ 1,225,000.00</b>	<b>\$ 519,382.00</b>	<b>\$ 965,000.00</b>	<b>\$ 965,000.00</b>	<b>\$ 5,619,382.00</b>
<b>Federal and State Grant Funds/Other (includes ARRA Stimulus Funds)</b>							
<b>FY10-11 thru FY14-15 Projects</b>							
Emergency Vehicle Protective Cover		\$ 100,000.00					\$ 100,000.00
Street Resurfacing Project: 17th & 18th Street (Ardmore - Flournoy/Cul-De-Sac)		\$ 160,000.00					\$ 160,000.00
Street Resurfacing Project: Ardmore and Valley*		\$ 54,240.00					\$ 54,240.00
Street Resurfacing Project: Pacific Avenue*		\$ 260,000.00					\$ 260,000.00
Street Resurfacing Project: Rosecrans Avenue*		\$ 125,000.00					\$ 125,000.00
<b>FY10-11 thru FY14-15 Subtotal</b>							<b>\$ 699,240.00</b>
<b>Carryover Projects**</b>							
Safe Routes to School Program*	\$ 735,934.00						
South Side Rosecrans Ave. Widening	\$ 585,108.69						
Strand Stairs (Phase I)	\$ 1,600,000.00						
<b>Carryover Projects Subtotal</b>	<b>\$ 2,921,042.69</b>						
<b>Grants Fund TOTAL</b>		<b>\$ 699,240.00</b>					<b>\$ 3,620,282.69</b>
<b>Proposition 1B Fund</b>							
<b>FY10-11 thru FY14-15 Projects</b>							
No projects requested							
<b>FY10-11 thru FY14-15 Subtotal</b>							
<b>Carryover Projects**</b>							
Manhattan Ave./Highland Ave. Improvement Project (1st-8th)	\$ 543,706.00						
<b>Carryover Projects Subtotal</b>	<b>\$ 543,706.00</b>						
<b>Prop 1B Fund TOTAL</b>							<b>\$ 543,706.00</b>

\*Project has multiple funding sources

\*\*Available funds for Carryover Projects is effective 06/30/10. Funds spent after this date will be reflected on next year's budget.

City of Manhattan Beach, Capital Improvement Plan 2010-2015

**PROJECTS BY FUND FOR FY2010-2011 THRU FY2014-2015**

PROJECT TITLE	<i>Carryover Projects Budget</i>	FY2010-11	FY2011-12	FY2012-13	FY2013-14	FY2014-15	FIVE YEAR TOTAL
<b>Proposition C Fund</b>							
<b>FY10-11 thru FY14-15 Projects</b>							
No projects requested							
<b>FY10-11 thru FY14-15 Subtotal</b>							
<b>Carryover Projects**</b>							
Dual Left-Turn Lanes on MBB at Sepulveda East & No	\$ 500,000.00						
Rosecrans Utility Undergrounding-See 401 Fund	\$ 31,884.59						
Sepulveda Bridge Widening Project Consultant	\$ 28,875.00						
Sepulveda Bridge Widening Project (33rd-Valley)	\$ 250,000.00						
So Rosecrans Utility Undergrounding-Street Work	\$ 350,000.00						
<b>Carryover Projects Subtotal</b>	<b>\$ 1,160,759.59</b>						
<b>Proposition C Fund TOTAL</b>							<b>\$ 1,160,759.59</b>
<b>Parking Fund</b>							
<b>FY10-11 thru FY14-15 Projects</b>							
Automated Parking Meters (Citywide)		\$ 850,000.00					\$ 850,000.00
<b>FY10-11 thru FY14-15 Subtotal</b>							<b>\$ 850,000.00</b>
<b>Carryover Projects**</b>							
North End Business Improvement District Streetscape	\$ 200,000.00						
Parking Structure 3	\$ 235,000.00						
<b>Carryover Projects Subtotal</b>	<b>\$ 435,000.00</b>						
<b>Parking Fund TOTAL</b>							<b>\$ 1,285,000.00</b>
<b>Refuse Fund</b>							
<b>FY10-11 thru FY14-15 Projects</b>							
City-Owned Refuse Enclosure Improvements		\$ 700,000.00					\$ 700,000.00
<b>FY10-11 thru FY14-15 Subtotal</b>							<b>\$ 700,000.00</b>
<b>Carryover Projects**</b>							
City Yard Cover*	\$ 97,500.00						
<b>Carryover Projects Subtotal</b>	<b>\$ 97,500.00</b>						
<b>Refuse Fund TOTAL</b>		<b>\$ 700,000.00</b>					<b>\$ 797,500.00</b>

\*Project has multiple funding sources

\*\*Available funds for Carryover Projects is effective 06/30/10. Funds spent after this date will be reflected on next year's budget.

City of Manhattan Beach, Capital Improvement Plan 2010-2015

**PROJECTS BY FUND FOR FY2010-2011 THRU FY2014-2015**

PROJECT TITLE	<i>Carryover Projects Budget</i>	FY2010-11	FY2011-12	FY2012-13	FY2013-14	FY2014-15	FIVE YEAR TOTAL
<b>State Pier &amp; Parking Lot Fund</b>							
<b>FY10-11 thru FY14-15 Projects</b>							
Pier Condition Assessment		\$ 90,000.00					\$ 90,000.00
<b>FY10-11 thru FY14-15 Subtotal</b>							<b>\$ 90,000.00</b>
<b>Carryover Projects**</b>							
Automated Pier Parking Meter Replacement Project	\$ 596,058.32						
<b>Carryover Projects Subtotal</b>	<b>\$ 596,058.32</b>						
<b>State Pier &amp; Parking Lot Fund TOTAL</b>		<b>\$ 90,000.00</b>					<b>\$ 686,058.32</b>
<b>Stormwater Fund</b>							
<b>FY10-11 thru FY14-15 Projects</b>							
No projects requested							
<b>FY10-11 thru FY14-15 Subtotal</b>							
<b>Carryover Projects**</b>							
City Yard Cover*	\$ 116,180.00						
Infiltration Site Study	\$ 50,000.00						
Storm Water Issues Study	\$ 55,768.00						
<b>Carryover Projects Subtotal</b>	<b>\$ 221,948.00</b>						
<b>Stormwater Fund TOTAL</b>							<b>\$ 221,948.00</b>
<b>Wastewater Fund</b>							
<b>FY10-11 thru FY14-15 Projects</b>							
10-11 Rehabilitation of Gravity Sewer Mains		\$ 1,050,000.00					\$ 1,050,000.00
11-12 Rehabilitation of Gravity Sewer Mains		\$ 200,000.00	\$ 1,140,000.00				\$ 1,340,000.00
12-13 Rehabilitation of Gravity Sewer Mains			\$ 150,000.00	\$ 1,300,000.00			\$ 1,450,000.00
11-12 thru 14-15 Rehabilitation of Sewer Manholes			\$ 100,000.00	\$ 150,000.00			\$ 250,000.00
Fiber Optic Improvement*		\$ 32,500.00	\$ 317,500.00			\$ 150,000.00	\$ 500,000.00
Pacific Pump Station Upgrade					\$ 100,000.00	\$ 836,900.00	\$ 936,900.00
Poinsettia Sewage Pump Station					\$ 405,000.00	\$ 2,362,000.00	\$ 2,767,000.00
<b>FY10-11 thru FY14-15 Subtotal</b>							<b>\$ 8,293,900.00</b>
<b>Carryover Projects**</b>							
City Yard Cover*	\$ 148,750.00						
<b>Carryover Projects Subtotal</b>	<b>\$ 148,750.00</b>						
<b>Wastewater Fund TOTAL</b>		<b>\$ 1,282,500.00</b>	<b>\$ 1,707,500.00</b>	<b>\$ 1,450,000.00</b>	<b>\$ 505,000.00</b>	<b>\$ 3,348,900.00</b>	<b>\$ 8,442,650.00</b>

\*Project has multiple funding sources

\*\*Available funds for Carryover Projects is effective 06/30/10. Funds spent after this date will be reflected on next year's budget.

City of Manhattan Beach, Capital Improvement Plan 2010-2015

**PROJECTS BY FUND FOR FY2010-2011 THRU FY2014-2015**

PROJECT TITLE	<i>Carryover Projects Budget</i>	FY2010-11	FY2011-12	FY2012-13	FY2013-14	FY2014-15	FIVE YEAR TOTAL
<b>Water Fund</b>							
<b>FY10-11 thru FY14-15 Projects</b>							
2nd Street Booster Pump Station		\$ 50,000.00	\$ 580,000.00				\$ 630,000.00
Artesia Boulevard Circulation Line (Peck to Prospect)		\$ 550,000.00					\$ 550,000.00
Fiber Optic Improvement*		\$ 32,500.00	\$ 317,500.00				\$ 350,000.00
Larsson Street Pump Station Improvement			\$ 100,000.00	\$ 500,000.00			\$ 600,000.00
Pipe Replacement Program and Fire Hydrant Installation (Area 7)		\$ 200,000.00	\$ 2,000,000.00				\$ 2,200,000.00
Pipe Replacement Program and Fire Hydrant Installation (Area 1)			\$ 150,000.00	\$ 1,050,000.00			\$ 1,200,000.00
Pipe Replacement Program and Fire Hydrant Installation (Area 2)				\$ 200,000.00	\$ 1,600,000.00		\$ 1,800,000.00
Pipe Replacement Program and Fire Hydrant Installation (Area 3)					\$ 100,000.00	\$ 900,000.00	\$ 1,000,000.00
Water Main Replacement: Pacific Avenue (MBB-Rosecrans)		\$ 1,200,000.00					\$ 1,200,000.00
Water Main Replacement: Sepulveda Boulevard & 2nd Street (Sep-MBB to 2nd; 2nd-Larsson Pump to 2nd St Pump)				\$ 100,000.00	\$ 800,000.00		\$ 900,000.00
Water Well at Aviation Boulevard/6th Street (Well 13)				\$ 530,000.00	\$ 4,114,000.00		\$ 4,644,000.00
<b>FY10-11 thru FY14-15 Subtotal</b>							<b>\$ 15,074,000.00</b>
<b>Carryover Projects**</b>							
City Yard Cover*	\$ 123,750.00						
<b>Carryover Projects Subtotal</b>	<b>\$ 123,750.00</b>						
<b>Water Fund TOTAL</b>		<b>\$ 2,032,500.00</b>	<b>\$ 3,147,500.00</b>	<b>\$ 2,380,000.00</b>	<b>\$ 6,614,000.00</b>	<b>\$ 900,000.00</b>	<b>\$ 15,197,750.00</b>
<b>PROJECT BY FUND TOTAL</b>	<b>\$ 8,130,421.89</b>	<b>\$ 7,692,240.00</b>	<b>\$ 6,080,000.00</b>	<b>\$ 4,349,382.00</b>	<b>\$ 8,084,000.00</b>	<b>\$ 5,213,900.00</b>	<b>\$ 40,399,943.89</b>

\*Project has multiple funding sources

\*\*Available funds for Carryover Projects is effective 06/30/10. Funds spent after this date will be reflected on next year's budget.



**Attachment D**  
**FY 2010-15 CIP Project Descriptions**

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Emergency Vehicle Protective Cover  
**Project Manager:**

**Submitting Department:** Police                      **Date Submitted:** 1/22/2010  
**Type of Project:** Facilities

**Project Location/Address:** PD Upper Parking Lot, 420 15th Street

**Project Description:** Construct a protective carport-style cover to provide protection from the elements for the new Mobile Command Post and existing SWAT Van. (Note: Laurie Jester suggested the addition of solar panels – please advise)

**Project Justification:** The Protective Canopy will ensure the longevity of the vehicles and provide much-needed protection from the sun. Currently, the SWAT Van is covered with a fabric car cover which must be replaced once or twice a year because of the degradation due to constant exposure to the elements. When the new Mobile Command Post is delivered, it too will need to be protected from the elements. A permanently installed cover will save on long term costs of replacing the fabric covers and will also greatly increase ease and speed of deployment in the event of an emergency where the SWAT Team or Mobile Command Post are needed, as it takes multiple people and several minutes to remove the fabric covers from the large vehicles.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
SLEF or Asset Forfeiture	\$100,000.00					
<b>TOTAL</b>	\$100,000.00					

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design						
Construction						
Others						
<b>TOTAL</b>						

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:**

Project initiated by: Lt. Tony DiGenova

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** High Efficiency HVAC and Flooring Replacement: HEIGHTS PARK  
**Project Manager:** Juan Price

**Submitting Department:** Public Works      **Date Submitted:** 1/29/2010

**Type of Project:** Facilities Maintenance- Mechanical System Replacement

**Project Location/Address:** Manhattan Heights Park

**Project Description:** HVAC has reached end of useful life and has zero life remaining. As identified in Energy Audit, this is an opportune time to replace HVAC package units with energy efficient units. Additionally, flooring requires replacement and sub floor repairs.

**Project Justification:** This work is required, identified in the Energy Audit, and was deferred due to FSP. As FSP has been tabled for the immediate future, the HVAC and flooring require attention regardless of plans going forward. HVAC units are still functioning; however it is not our SOP to replace units upon failure. A planned and fully funded project would minimize or eliminate user inconvenience and make best use of labor and scheduling resources. Flooring has been reported many times over the years as requiring repair, and is in a high use area.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
CIP	\$45,000					
CIP	\$58,000					
TOTAL	\$103,000					

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design	\$25,000					
Construction	\$78,000					
Others						
TOTAL	\$103,000					

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:** Recommend two part project, HVAC preceding flooring. HVAC estimate from Energy Audit plus 25% for design, inspection, and administration. Flooring calculated at 6,000 sq. ft. and at \$7.50 sq. ft. (\$6.00 for flooring and \$1.50 for floor repair and prep) Armstrong  
<http://www.armstrong.com/commflooringna/products/sheet/education-gymnasiums/ /N-67sZ77qZ71d>

Project initiated by: Juan Price

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** High Efficiency HVAC and Lighting: CITY HALL  
**Project Manager:** Juan Price

**Submitting Department:** Public Works      **Date Submitted:** 1/29/2010

**Type of Project:** Facilities Maintenance- Mechanical and Lighting System Overhaul

**Project Location/Address:** City Hall

**Project Description:** Replace inefficient 1<sup>st</sup> generation HVAC System at City Hall w/comprehensive system overhaul that leverages the New Safety facility mechanical and control system to integrate with City Hall. Current City Hall system has inefficient lighting and poor environmental controls. Current Novar HVAC controls are obsolete and repair parts no longer available. Project will address heating and cooling, and lighting deficiencies. Pricing include commissioning both facilities (Safety and City Hall)

**Project Justification:** Units are still functioning but not efficiently. By re configuring new HVAC system to ice storage system, we will be able to simplify the current system at City hall and centralize the modern technologies and controls at the new Safety Facility. This in turn will allow for remote (automated) environmental controls and maximize energy efficiency..

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
CIP	\$1,660,000.00					\$1,660,000.00
TOTAL	\$1,660,000.00					\$1,660,000.00

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design	\$415,000.00					\$415,000.00
Construction	\$1,240,500.00					\$1,240,500.00
Others						
TOTAL	\$1,660,000.00					\$1,660,000.00

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Operational Costs	See matrix					

**Comments:**

Project initiated by: Juan Price

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Install High Efficiency HVAC- replacement: LIVE OAK PARK  
**Project Manager:** Juan Price

**Submitting Department:** Public Works      **Date Submitted:** 1/29/2010

**Type of Project:** Facilities Maintenance- Mechanical System Replacement

**Project Location/Address:** Live Oak Park

**Project Description:** HVAC has reached end of useful life and has zero life remaining. As identified in Energy Audit, this is an opportune time to replace HVAC package units with energy efficient units.

**Project Justification:** Units are still functioning; however it is not our SOP to only replace units upon failure. A planned and fully funded project would minimize or eliminate user inconvenience and make best use of labor and scheduling resources

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
CIP	\$20,000					
<b>TOTAL</b>	\$20,000					

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design	\$2,000					
Construction						
Others	\$18,000					
<b>TOTAL</b>	\$20,000					

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:**

Project initiated by: Juan Price

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Automated Parking Meters

**Project Manager:** Bruce Moe

**Submitting Department:** Public Works

**Date Submitted:** April 9, 2010

**Type of Project:** Parking

**Project Location/Address:** All Parking Meters Citywide

**Project Description:**

Replace all parking meters with automated parking meters.

**Project Justification:**

The City maintains 1,700 parking meters citywide. With the exception of automated meters installed in January 2010 at the pier parking lots, all meters take quarters only. In an attempt to provide simpler payment options for patrons, this project would install meters that would take credit cards as well coins. The meters would be equipped with other special options to further simplify the payment process.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Parking Funds	\$850,000					\$850,000
<b>TOTAL</b>	<b>\$850,000</b>					<b>\$850,000</b>

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Design						
Construction	\$850,000					\$850,000
Others						
<b>TOTAL</b>	<b>\$850,000</b>					<b>\$850,000</b>

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:**

Project initiated by: Bruce Moe

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Pier Condition Assessment

**Project Manager:** Steve Finton

**Submitting Department:** Public Works

**Date Submitted:** April 2, 2010

**Type of Project:** Pier

**Project Location/Address:** Manhattan Beach Pier

**Project Description:** Assessment of pier condition above and below water surface to identify maintenance measures required.

**Project Justification:** The marine environment and surf is extremely hard on structures. The main superstructure of the pier (columns and girders) was built in 1917. The pier deck was replaced and localized repairs were made to columns and girders in 1992. The last full condition assessment was conducted at that time. A full assessment of this important structure is recommended at this time.

This project will provide a full hands-on condition assessment of the topside and underside of the pier, as well as the columns above and below the water surface. A surface vessel and divers will be used to access the columns. Multibeam and Light Detection and Ranging (LiDAR) surveys will be conducted to assess the internal condition of columns. The final product of the assessment will be a report of the assessed condition with recommended rehabilitation and cost estimates.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Pier Funds	\$90,000					\$90,000
<b>TOTAL</b>	<b>\$90,000</b>					<b>\$90,000</b>

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Design						
Construction						
Others	\$90,000					\$90,000
<b>TOTAL</b>	<b>\$90,000</b>					<b>\$90,000</b>

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:**

Project initiated by: Steve Finton



**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

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

**Project Manager:** Steve Finton

**Submitting Department:** Public Works

**Date Submitted:** February 22, 2010

**Type of Project:** Refuse

**Project Location/Address:** Various locations (see attached)

**Project Description:** Perform improvements 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.

**Project 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.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Refuse Fund	\$700,000.00					\$700,000.00
<b>TOTAL</b>	\$700,000.00					\$700,000.00

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design						
Construction						
Others						
<b>TOTAL</b>						

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:**

Project initiated by: Anna Luke

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Street Resurfacing Project: Pacific Avenue  
**Project Manager:** Steve Finton

**Submitting Department:** Public Works                      **Date Submitted:** March 31, 2010  
**Type of Project:** Streets

**Project Location/Address:** Pacific Avenue from Manhattan Beach Boulevard to Rosecrans Avenue.

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

**Project Justification:** The existing pavement on Pacific Avenue with the project limits is deteriorated and rehabilitation is required.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
MTA STP-L	\$140,000					\$140,000
ARRA	\$260,000					\$260,000
<b>TOTAL</b>	<b>\$400,000</b>					<b>\$400,000</b>

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Design	\$ 30,000					\$ 30,000
Construction	\$370,000					\$370,000
Others						
<b>TOTAL</b>	<b>\$400,000</b>					<b>\$400,000</b>

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:**  
Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Street Resurfacing Project: Rosecrans Avenue

**Project Manager:** Steve Finton

**Submitting Department:** Public Works

**Date Submitted:** March 31, 2010

**Type of Project:** Streets

**Project Location/Address:** South Side of Rosecrans Avenue Sepulveda Boulevard to Redondo Avenue

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

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

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
MTA STP-L	\$123,885					\$123,885
ARRA	\$125,314					\$125,314
<b>TOTAL</b>	<b>\$250,000</b>					<b>\$250,000</b>

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Design	\$ 30,000					\$ 30,000
Construction	\$219,199					\$219,199
Others						
<b>TOTAL</b>	<b>\$250,000</b>					<b>\$250,000</b>

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:**

Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Street Resurfacing Project: 17<sup>th</sup> and 18<sup>th</sup> Street (Ardmore to Flournoy/ Cul-De-Sac)  
**Project Manager:** Steve Finton

**Submitting Department:** Public Works                      **Date Submitted:** March 29, 2010  
**Type of Project:** Streets

**Project Location/Address:** 17<sup>th</sup> Street, Ardmore Avenue to east cul-de-sac. 18<sup>th</sup> Street, Ardmore Avenue to Flournoy Rd.

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

**Project Justification:** The existing pavement on 17<sup>th</sup> and 18<sup>th</sup> Streets with the project limits is deteriorated and rehabilitation is required.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Grant (ARRA Stimulus Funds)	\$160,000					\$160,000
<b>TOTAL</b>	\$160,000					\$160,000

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Design	\$ 10,000					\$ 10,000
Construction	\$150,000					\$150,000
Others						
<b>TOTAL</b>	\$160,000					\$160,000

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:**  
Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Annual Curb, Gutter and Ramp Replacement Project  
**Project Manager:** Steve Finton

**Submitting Department:** Public Works                      **Date Submitted:** March 31, 2010  
**Type of Project:** Streets

**Project Location/Address:** Slurry areas 6, 7, 1, 2, 3, 4

**Project Description:** Replacement of concrete improvements in advance of slurry sealing to mitigate trip hazards and gutter ponding. Curb ramps will also be installed as needed to comply with the Americans with Disabilities Act.

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

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY2010-11 Areas 6,7</i>	<i>FY2011-12 Areas 7,1</i>	<i>FY2012-13 Area 2</i>	<i>FY 2013-14 Area 3</i>	<i>FY2014-15 Area 4</i>	<i>TOTAL</i>
Gas Tax	\$64,356	\$230,000	\$145,000	\$295,000	\$295,000	\$1,029,356
Prop 42	\$304,924	\$150,000	\$4,382		\$50,000	\$509,306
TDA – Art. 3	\$80,720	\$20,000	\$20,000	\$20,000	\$20,000	\$160,720
<b>TOTAL</b>	<b>\$450,000</b>	<b>\$400,000</b>	<b>\$169,382</b>	<b>\$315,000</b>	<b>\$365,000</b>	<b>\$1,699,382</b>

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Design	\$ 20,000	\$ 20,000	\$10,000	\$ 20,000	\$ 20,000	\$ 20,000
Construction	\$430,000	\$ 380,000	\$159,382	\$ 295,000	\$ 345,000	\$430,000
Others						
<b>TOTAL</b>	<b>\$450,000</b>	<b>\$400,000</b>	<b>\$169,382</b>	<b>\$315,000</b>	<b>\$365,000</b>	<b>\$1,699,382</b>

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:**  
Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Annual Slurry Seal Program

**Project Manager:** Ish Medrano

**Submitting Department:** Public Works

**Date Submitted:** April 7, 2010

**Type of Project:** Streets

**Project Location/Address:** Area 6 will be slurry sealed in fiscal year 2010-11, Area 7 in FY11-12, Area 1 in FY12-13, Area 2 in FY13-14, Area 3 in FY14-15

**Project Description:** Annual program to slurry seal City's streets

**Project Justification:** The slurry seal process works to protect and prolong the life of City streets, delaying the need for costly and intrusive street resurfacing for typically 5 – 10 years. This cost is dependent upon asphalt 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.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Gas Tax Fund	\$350,000	\$425,000		\$350,000	\$350,000	\$1,475,000
Prop. 42			\$350,000			\$ 350,000
<b>TOTAL</b>	<b>\$350,000</b>	<b>\$425,000</b>	<b>\$350,000</b>	<b>\$350,000</b>	<b>\$350,000</b>	<b>\$1,825,000</b>

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Design	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000
Construction	\$330,000	\$395,000	\$330,000	\$330,000	\$330,000	\$1,715,000
Others	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000
<b>TOTAL</b>	<b>\$350,000</b>	<b>\$425,000</b>	<b>\$350,000</b>	<b>\$350,000</b>	<b>\$350,000</b>	<b>\$1,815,000</b>

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:**

Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Biennial Pavement Management System Update

**Project Manager:** Steve Finton

**Submitting Department:** Public Works      **Date Submitted:** March 1, 2010  
**Type of Project:** Streets

**Project Location/Address:** Streets citywide

**Project Description:** Inspection of pavement surfaces to assess condition and prioritize rehabilitation.

**Project 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 biennial basis. The last pavement evaluation was completed in 2008 and is required to be updated again in 2010. This year's evaluation will update pavement condition for all streets in the City except Sepulveda Boulevard which is a State Highway.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Prop C Funds	\$40,000					\$40,000
<b>TOTAL</b>						<b>\$40,000</b>

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design						
Construction						
Others	\$40,000					\$40,000
<b>TOTAL</b>	<b>\$40,000</b>					<b>\$40,000</b>

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:** No operational expenses will be caused by this project  
Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** 2nd Street Booster Pump Station

**Project Manager:** Steve Finton

**Submitting Department:** Public Works

**Date Submitted:** February 22, 2010

**Type of Project:** Water Infrastructure

**Project Location/Address:** Southeast Corner Sepulveda Boulevard at 2<sup>nd</sup> Street

**Project Description:** Installation of new natural gas engine, engine controls, engine muffler, and engine mount vibration insulators.

**Project Justification:** The 2<sup>nd</sup> Street booster pump station is a back-up pump station in the City's high-pressure zone. This zone, located at the physical high point of the City requires supplemental pumping to maintain normal water system pressures. The Larsson Pump Station is the primary pump station in the high pressure zone; however, when peak domestic or fire flow demand is encountered, the 2nd Street Pump Station is called to provide supplemental flow and pressure.

The 2<sup>nd</sup> Street Pump Station is situated in an underground vault in the 2<sup>nd</sup> Street parkway immediately adjacent to an office building. The current engine dates to the 1970s and spare parts are often difficult to locate. Both the engine and the engine control system are antiquated and require replacement. Additionally, vibration and noise from the engine affect the adjacent structure requiring installation of a new exhaust system and vibration insulators.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Water Funds	\$50,000	\$580,000				\$630,000
<b>TOTAL</b>	<b>\$50,000</b>	<b>\$580,000</b>				<b>\$630,000</b>

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design	\$50,000					\$50,000
Construction		\$580,000				\$580,000
Others						
<b>TOTAL</b>	<b>\$50,000</b>	<b>\$580,000</b>				<b>\$630,000</b>

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:** Operating costs should diminish with installation of the new engine and controls.  
 Project initiated by: Steve Finton



**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Artesia Blvd. Circulation Line (Peck Av to Prospect Av)

**Project Manager:** Steve Finton

**Submitting Department:** Public Works  
**Type of Project:** Water Infrastructure

**Date Submitted:** February 22, 2010

**Project Location/Address:** Artesia Boulevard from Peck Avenue to Prospect Avenue

**Project Description:** Construction of a new water main in Artesia Boulevard from Peck Avenue to Prospect Avenue.

**Project Justification:** Artesia Boulevard is the southerly boundary of the City's water service area and no water main exists in Artesia Boulevard along the Mira Costa frontage. The Mira Costa High School property imposes a large circulation barrier in the system that has caused pressure and water quality problems in the past. Construction of a new water main in Artesia Boulevard will provide interconnection between the water systems on either side of Mira Cost High School and will improve water quality and system redundancy.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Water Funds	\$550,000					\$550,000
<b>TOTAL</b>	<b>\$550,000</b>					<b>\$550,000</b>

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design	\$50,000					\$50,000
Construction	\$500,000					\$500,000
Others						
<b>TOTAL</b>	<b>\$550,000</b>					<b>\$550,000</b>

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:** There should be no operational costs associated with this project.  
 Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Fiber Optic Improvement  
**Project Manager:** Raul Saenz

**Submitting Department:** Public Works                      **Date Submitted:** April 9, 2010  
**Type of Project:** Water/Sewer

**Project Location/Address:** Various locations  
 21 sites throughout the City of Manhattan Beach

**Project Description:**

Repair/Replace and install approx. 11 miles of fiber optic cable to all 21 of our existing off site water and wastewater stations (in existing underground conduit and aerial) and to primary system hubs (City Hall, Fire Station No. 2 and Public Works Maintenance Facility).

**Project Justification:**

15 of the City's existing stations are SCADA controlled and communication is provided through leased, T2 lines from Verizon. On average a single leased line cost the city around \$300.00/Mo. Carrying that forward by 15, equals an average of \$4500.00/Mo. or \$54,000.00/ Yr. The estimated cost to run fiber to these sites and primary system hubs, results in a payback period of 13 to 15 years to recoup costs with minimal future costs for upkeep of the fiber system after that time.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Water Funds	\$32,500	\$317,500				\$350,000
Sewer Funds	\$32,500	\$317,500				\$350,000
<b>TOTAL</b>	<b>\$65,000</b>	<b>\$635,000</b>				<b>\$700,000</b>

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Design	\$ 65,000					\$ 65,000
Construction		\$550,000				\$550,000
Others		\$ 85,000				\$ 85,000
<b>TOTAL</b>	<b>\$ 65,000</b>	<b>\$635,000</b>				<b>\$700,000</b>

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Operational Costs	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$25,000

**Comments:**

Project initiated by: Raul Saenz

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Pipe Replacement Program and Fire Hydrant Inst. Area 7

**Project Manager:** Steve Finton

**Submitting Department:** Public Works  
**Type of Project:** Water Infrastructure

**Date Submitted:** March 31, 2010

**Project Location/Address:**

Vista Dr.	Rosecrans Avenue to 29 <sup>th</sup> St.
1st, 3rd, 4th, 5th, 6th,7th Sts	Manhattan Av. to Ocean Dr.
Homer, 1st, 3rd, 4th, 5th, 6th,7th Sts	Highland Av. to Manhattan Av.
Homer St.	Highland to Morningside
Manhattan Av.	8th St. to 11th St.
Highland Av.	Homer to 2nd St.and from 6th st. to 10th St
Morningside Dr.	Francisco to 1st.St.

**Project Description:** Construction of replacement water mains and new fire hydrants.

**Project Justification:** The existing water mains in this part of Area 7 are mostly 4" cast iron mains more than 80 year old. Staff has encountered water quality problems due to corrosion and sediments attributed to the age of the mains. Additionally, increasing to 6" mains or larger would provide adequate fire flows in the area.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

Funding Source	FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	TOTAL
Water Funds	\$200,000	\$2,000,000				\$2,200,000
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$2,000,000</b>				<b>\$2,200,000</b>

**Estimated Project Costs** (to be completed by Engineering Division):

Project Phase	FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	TOTAL
Design	\$200,000					\$200,000
Construction		\$2,000,000				\$2,000,000
Others						
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$2,000,000</b>				<b>\$2,200,000</b>

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	FY 2010-15	FY 2011-16	FY 2012-17	FY 2013-18	FY 2014-19	TOTAL
Operational Costs						

**Comments:** There should be no operational costs associated with this project.  
 Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Pacific Avenue Water Main Replacement  
 (Manhattan Beach Boulevard to Rosecrans Avenue)

**Project Manager:** Steve Finton

**Submitting Department:** Public Works      **Date Submitted:** February 22, 2010  
**Type of Project:** Water Infrastructure

**Project Location/Address:** Pacific Avenue (Manhattan Beach Boulevard to Rosecrans Avenue)

**Project Description:** Construction of a new water main in Pacific Avenue from Manhattan Beach Boulevard to Rosecrans Avenue.

**Project Justification:** The 10" water main in Pacific Avenue is old and requires replacement. Segments of the main vary in age from 65 to 85 years old. A street project proposed for FY 2010-11 will repave Pacific Avenue from Manhattan Beach Boulevard to Rosecrans Avenue. It is recommended that the water main be replaced before the street is repaved.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Water Funds	\$1,200,000					\$1,200,000
<b>TOTAL</b>	\$1,200,000					\$1,200,000

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design	\$100,000					\$100,000
Construction	\$1,100,000					\$1,100,000
Others						
<b>TOTAL</b>	\$1,200,000					\$1,200,000

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:** There should be no operational costs associated with this project.  
 Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Rehabilitation of Gravity Sewer Mains FY2010-11

**Project Manager:** Steve Finton

**Submitting Department:** Public Works      **Date Submitted:** March 4, 2010  
**Type of Project:** Sewer Infrastructure

**Project Location/Address:** Slurry Area 6 and 7- Various

**Project Description:** Rehabilitation of Gravity Sewer Mains.

Marine Avenue	Bell Av. to Flournoy Rd.	(5 spot repairs - \$120K)
30 <sup>th</sup> Street	Blanch Rd to Bell Av.	(2 spot repairs - \$50K)
33 <sup>rd</sup> Place	at Blanch Rd	(1 spot repair - \$25K)
27 <sup>th</sup> Street	Near Flournoy Rd.	(1 spot repair - \$25K)
29 <sup>th</sup> Street	at Laurel Av.	(1 spot repair - \$25K)
39 <sup>th</sup> Street	1 <sup>st</sup> MH W/O Highland Av.	(1 spot repair - \$25K)
38 <sup>th</sup> Place	U/S of 1 <sup>st</sup> drop MH E/O Ocean	(1 spot repair - \$25K)
Manhattan Av.	36 <sup>th</sup> St. to Rosecrans Av.	(1 spot repair - \$25K)
Rosecrans Av.	Btwn 2 <sup>nd</sup> & 3 <sup>rd</sup> MH E/O Vista Dr.	(1 spot repair - \$25K)
33 <sup>rd</sup> Street	Highland Av MH to 8' East	(1 spot repair - \$25K)
Highland Av. Sidewalk	Btwn 32 <sup>nd</sup> Pl. & 33 <sup>rd</sup> Pl.	(15' replacement - \$30K)
Marine Av.	Highland Av. to Grandview Dr.	(Replace - \$400K)
Alma Av.	24 <sup>th</sup> St to 27 <sup>th</sup> St.	(Replace - \$250K)

**Project Justification:** The above locations have been identified by maintenance staff and through CCTV inspection to require rehabilitation or replacement.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Sewer Funds	\$1,050,000					\$1,050,000
<b>TOTAL</b>	<b>\$1,050,000</b>					<b>\$1,050,000</b>

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design	\$150,000					\$150,000
Construction	\$900,000					\$900,000
Others						
<b>TOTAL</b>	<b>\$1,050,000</b>					<b>\$1,050,000</b>

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-15</i>	<i>FY 2011-16</i>	<i>FY 2012-17</i>	<i>FY 2013-18</i>	<i>FY 2014-19</i>	<i>TOTAL</i>
Operational Costs						

**Comments:** Operational costs are not increased by this project  
Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Rehabilitation of Gravity Sewer Mains FY 2011-12

**Project Manager:** Steve Finton

**Submitting Department:** Public Works      **Date Submitted:** March 4, 2010  
**Type of Project:** Sewer Infrastructure

**Project Location/Address:** Slurry Area 7- Various

**Project Description:** Rehabilitation or Replacement of Gravity Sewer Mains.

24 <sup>th</sup> Street Avenue	Strand to Highland Av	(replace \$240K)
25 <sup>th</sup> Street	Strand to Ocean Av.	(1 spot repair - \$30K)
9 <sup>th</sup> Street	Manhattan Av. to Highland Av.	(2 spot repairs - \$60K)
7th Street	Crest Dr. to Ingleside Dr.	(replace \$240K)
Ingleside Dr.	7 <sup>th</sup> St. to 5 <sup>th</sup> St.	(replace \$240K)
5 <sup>th</sup> Street	Valley to Ingleside Dr	(replace \$200K)
4 <sup>th</sup> Street	Crest Dr. to Ingleside Dr.	(replace \$240K)
5 <sup>th</sup> Street	W/O Ingleside Dr	(spot repair \$30K)
Vista Dr.	N/O 2 <sup>nd</sup> St.	(spot repair \$30K)
3 <sup>rd</sup> Street	Ocean Dr. to Manhattan Av.	(spot repair \$30K)

**Project Justification:** The above locations have been identified by maintenance staff and through CCTV inspection to require rehabilitation or replacement.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Sewer Funds	\$200,000	\$1,140,000				\$1,340,000
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$1,140,000</b>				<b>\$1,340,000</b>

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design	\$200,000					\$200,000
Construction		\$1,140,000				\$1,140,000
Others						
<b>TOTAL</b>	<b>\$200,000</b>	<b>\$1,140,000</b>				<b>\$1,340,000</b>

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-15</i>	<i>FY 2011-16</i>	<i>FY 2012-17</i>	<i>FY 2013-18</i>	<i>FY 2014-19</i>	<i>TOTAL</i>
Operational Costs						

**Comments:** Operational costs are not increased by this project

Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Street Resurfacing Project: Ardmore and Valley  
**Project Manager:** Steve Finton

**Submitting Department:** Public Works                      **Date Submitted:** March 29, 2010  
**Type of Project:** Streets

**Project Location/Address:**

Ardmore Ave                                      Boundary to Manhattan Beach Blvd  
Valley Drive                                        2<sup>nd</sup> St to Longfellow

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

**Project Justification:** The existing pavement on Valley Dr and Ardmore Ave within the project limits is deteriorated and rehabilitation is required.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Prop 42		\$400,000				\$400,000
MTA STP-L		\$54,240				\$54,240
TOTAL		\$454,240				\$454,240

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Design		\$40,000				\$40,000
Construction		\$415,240				\$415,240
Others						
TOTAL		\$454,240				\$454,240

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:**

Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Street Resurfacing Project: Blanche Rd, Marine Ave, Oak St., 27<sup>th</sup> St. & 11<sup>th</sup> St.  
**Project Manager:** Steve Finton

**Submitting Department:** Public Works                      **Date Submitted:** March 29, 2010  
**Type of Project:** Streets

**Project Location/Address:**

Blanche Rd.                      Valley Drive to 25<sup>th</sup> Street  
Marine Ave.                      Grandview to Blanche  
Oak St.                              Valley Drive to Rosecrans Ave  
27<sup>th</sup> St.                              Strand to Highland Ave  
11<sup>th</sup> St.                              Peck Ave to Redondo Ave

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

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

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Prop 42				\$300,000		\$300,000
TOTAL				\$300,000		\$300,000

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Design				\$20,000		\$ 20,000
Construction				\$280,000		\$280,000
Others						
TOTAL				\$300,000		\$300,000

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:**

Project initiated by: Steve Finton



**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Morningside Drive Rehabilitation

**Project Manager:** Steve Finton

**Submitting Department:** Public Works

**Date Submitted:** April 1, 2010

**Type of Project:** Streets

**Project Location/Address:** Morningside Drive (Manhattan Beach Boulevard to 10<sup>th</sup> Place)

**Project Description:** The project will rehabilitate the pavement surface and replace displaced curbs, gutters and ramps.

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

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Prop. 42					\$250,000	\$250,000
<b>TOTAL</b>					\$250,000	\$250,000

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Design					\$20,000	\$20,000
Construction					\$230,000	\$230,000
Others						
<b>TOTAL</b>					\$250,000	\$250,000

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY2010-11</i>	<i>FY2011-12</i>	<i>FY2012-13</i>	<i>FY 2013-14</i>	<i>FY2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:**

Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Larsson Street Pump Station Improvement

**Project Manager:** Steve Finton

**Submitting Department:** Public Works

**Date Submitted:** February 22, 2010

**Type of Project:** Water Infrastructure

**Project Location/Address:** Larsson Street South of 2<sup>nd</sup> Street

**Project Description:** Upgrade pumps, controls, variable speed drives and back-up generator to provide increases pumping capacity.

**Project Justification:** Presently the Larsson Street Pump Station consists of three electric pumps with variable speed drives. All three pumps are often called to provide peak domestic service and on occasion, the 2<sup>nd</sup> 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 2<sup>nd</sup> Street pump station to be called.

This project would provide three larger pumps at the station such that two pumps would handle peak domestic service. Three new pumps and variable speed drives would be installed along with new motor controls and a larger back-up generator to handle the increased electrical demand of the larger pumps and motors.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Water Funds		\$100,000	\$500,000			\$600,000
<b>TOTAL</b>		\$100,000	\$500,000			\$600,000

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design		\$100,000				\$100,000
Construction			\$500,000			\$500,000
Others						
<b>TOTAL</b>		\$500,000	\$500,000			\$600,000

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:** Operating costs should diminish with installation of the pumps, motors and controls. Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Pipe Replacement Program and Fire Hydrant Installation Area 1

**Project Manager:** Steve Finton

**Submitting Department:** Public Works

**Date Submitted:** February 22, 2010

**Type of Project:** Water Infrastructure

**Project Location/Address:**

11<sup>th</sup> Street (Ardmore Avenue to John Street)  
10<sup>th</sup> Street (Highview Avenue to Pacific Avenue)  
9<sup>th</sup> Street (Ardmore Avenue to Pacific Avenue)  
Highview Avenue (9<sup>th</sup> Street to 11<sup>th</sup> Street)  
Pacific Avenue (9<sup>th</sup> Street to 10<sup>th</sup> Street and 11<sup>th</sup> Street to Manhattan Beach Boulevard)  
John Street (10<sup>th</sup> Street to 11<sup>th</sup> Street)

**Project Description:** Construction of replacement water mains and new fire hydrants.

**Project Justification:** The existing water mains in this part of Area 1 are mostly 4" cast iron mains more than 60 year old. Increasing to 6" mains or larger would provide adequate fire flows in the area.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Water Funds		\$150,000	\$1,050,000			\$1,200,000
TOTAL		\$150,000	\$1,050,000			\$1,200,000

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design		\$150,000				\$150,000
Construction			\$1,050,000			\$1,050,000
Others						
TOTAL		\$150,000	\$1,050,000			\$1,200,000

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:** There should be no operational costs associated with this project.  
 Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Pipe Replacement Program and Fire Hydrant Installation Area 2

**Project Manager:** Steve Finton

**Submitting Department:** Public Works  
**Type of Project:** Water Infrastructure

**Date Submitted:** February 22, 2010

**Project Location/Address:**

<u>Rowel Avenue</u>	(9 <sup>th</sup> Street to Manhattan Beach Boulevard)
<u>9<sup>th</sup>, 10<sup>th</sup> &amp; 11<sup>th</sup> Streets</u>	(Meadows Avenue to Rowell Avenue)
<u>Rhonda Drive and Longfellow Drive</u>	(Kuhn Drive N. to Kuhn Drive S.)
<u>Terraza Place</u>	(Rhonda Drive to end)
<u>Chabela Drive and Altura Way</u>	(Keats Street to Longfellow Drive)
<u>Shelly Street</u>	(Prospect Avenue to Chabela Drive)

**Project Description:** Construction of replacement water mains and new fire hydrants.

**Project Justification:** The existing water mains in this part of Area 2 are mostly 4" cast iron mains more than 60 year old. Increasing to 6" mains or larger would provide adequate fire flows in the area.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Water Funds			\$200,000	\$1,600,000		\$1,800,000
<b>TOTAL</b>			\$200,000	\$1,600,000		\$1,800,000

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design			\$200,000			\$200,000
Construction				\$1,600,000		\$1,600,000
Others						
<b>TOTAL</b>			\$200,000	\$1,600,000		\$1,800,000

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:** There should be no operational costs associated with this project.  
 Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Sepulveda Boulevard and 2<sup>nd</sup> Street Water Main Replacement

**Project Manager:** Steve Finton

**Submitting Department:** Public Works

**Date Submitted:** February 22, 2010

**Type of Project:** Water Infrastructure

**Project Location/Address:**

Sepulveda Boulevard (Manhattan Beach Boulevard to 2nd Street)  
2<sup>nd</sup> Street (Larsson Pump Station to 2nd St Pump Station)

**Project Description:** Construction of replacement water mains and new fire hydrants.

**Project Justification:** The existing water mains on the west side of Sepulveda Boulevard are 70 and 80 years old. Replacing the mains will restore the useful lives of these mains and will assure the longevity and dependability of the system.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Water Funds			\$100,000	\$800,000		\$900,000
<b>TOTAL</b>			\$100,000	\$800,000		\$900,000

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design			\$100,000			\$100,000
Construction				\$800,000		\$800,000
Others						
<b>TOTAL</b>			\$100,000	\$800,000		\$900,000

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:** There should be no operational costs associated with this project.  
 Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Water Well at Aviation Blvd./6th Street (Well 13)

**Project Manager:** Steve Finton

**Submitting Department:** Public Works  
**Type of Project:** Water Infrastructure

**Date Submitted:** February 22, 2010

**Project Location/Address:** Aviation Blvd./6th Street

**Project Description:** Construction of a new water well and support infrastructure and construction of a new collection water main from the new well to connect to the existing transmission main in 8<sup>th</sup> Street.

**Project Justification:** The City currently operates two groundwater wells providing a combined maximum flow rate of 3,900 gallons per minute. The City's average daily consumption of potable water is approximately 4,350 gallons per minute. The City uses approximately 7,000 acre feet of water per year and has adjudicated rights to pump 1,131.2 acre feet of groundwater annually. Although the City does not possess adequate adjudicated water rights to depend entirely on groundwater for all its potable water needs, it is prudent for the City to possess adequate well capacity to meet average daily demand (4,350 gpm). This would permit the City to depend entirely on its wells if imported water sources were temporarily curtailed.

Presently, the City's well capacity is insufficient to meet the average daily demand. It is recommended that a third well be developed to increase the City's well capacity. The City owns a well site on the south west corner of Aviation Boulevard and 6<sup>th</sup> Street. This well operated until the 1970s when salinity and operational problems caused the City to cease operation. It is believed that water quality at the Well 13 site has improved over the years due to the injection of fresh water along the County's barrier injection system. This project would include drilling a test well to verify the viability of the well site. Upon determining viability, design and then construction of the well, support infrastructure and collection main would follow.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Water Funds (Well)			\$500,000	\$3,820,000		
Water Funds (Collection Main)			\$30,000	\$294,000		
<b>TOTAL</b>			\$530,000	\$4,114,000		

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design			\$530,000	\$4,114,000		\$4,644,000
Construction						
Others						
<b>TOTAL</b>						

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Operational Costs					\$27,000	\$27,000

**Comments:** Operating costs would consist of electrical energy. Future periodic maintenance would be required as well.

Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Pipe Replacement Program and Fire Hydrant Installation Area 3

**Project Manager:** Steve Finton

**Submitting Department:** Public Works

**Date Submitted:** February 22, 2010

**Type of Project:** Water Infrastructure

**Project Location/Address:**

Redondo Avenue (2<sup>nd</sup> Street to Artesia Boulevard)  
1<sup>st</sup> Street (Redondo Avenue to Aviation Boulevard)

**Project Description:** Construction of replacement water mains and new fire hydrants.

**Project Justification:** The existing water mains in this part of Area 3 are consist of 4" and 6" cast iron mains and most are more than 70 year old. Replacing the mains will restore the useful lives of these mains, assure the longevity and dependability of the system. Increasing to 6" mains or larger would enhance fire flows in the area.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Water Funds				\$100,000	\$900,000	\$1,000,000
<b>TOTAL</b>				\$100,000	\$900,000	\$1,000,000

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design				\$100,000		\$100,000
Construction					\$900,000	\$900,000
Others						
<b>TOTAL</b>				\$100,000	\$900,000	\$1,000,000

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Operational Costs						

**Comments:** There should be no operational costs associated with this project.  
 Project initiated by: Steve Finton



**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Rehabilitation of Gravity Sewer Mains FY 2012-13

**Project Manager:** Steve Finton

**Submitting Department:** Public Works

**Date Submitted:** March 9, 2010

**Type of Project:** Sewer Infrastructure

**Project Location/Address:** Slurry Area 1, 2 Various

**Project Description:** Rehabilitation or Replacement of Gravity Sewer Mains.

6 <sup>th</sup> Street	E/O John Street	(1 spot repair - \$30K)
Boundary Place	E/O Dianthus Street	(1 spot repair - \$30K)
8th Street	W/O Johnson Street	(1 spot repair - \$30K)
8th Street	E/O Johnson Street	(1 spot repair - \$30K)
Rhonda Drive	E/O Johnson Street	(1 spot repair - \$30K)
Tennyson Street	E/O Chabela Drive	(1 spot repair - \$30K)
3rd Street	W/O Meadows Drive	(2 spot repairs - \$60K)
9 <sup>th</sup> Street	W/O Peck Avenue	(1 spot repair - \$30K)
Rowell Avenue	N/O Curtis Avenue	(replace - \$100K)
Shores Parking Lot	Between Peck and Rowell	(1 spot repair - \$30K)
2 <sup>nd</sup> Street	Herrin Street to Redondo Av.	(Replace - \$360K)
Herrin Street	Gates to Peck	(2 spot repairs - \$60K)
Nelson Ave.	Crossing Aviation	(large spot repair \$50K)
Nelson Ave.	E/O Peck	(2 spot repairs - \$60K)
1 <sup>st</sup> Street	Mid Block Redondo to Aviation	(1 spot repair - \$30K)
Aviation Blvd	10 <sup>th</sup> St. to 11 <sup>th</sup> St.	(1 spot repair - \$50K)
Faymont Ave	Midblock Between 12 <sup>th</sup> St. and 19 <sup>th</sup> St.	(1 spot repair - \$30K)
Harkness St.	Midblock Between 12 <sup>th</sup> St. and 19 <sup>th</sup> St.	(20' Replacement - \$50K)
19 <sup>th</sup> Street	W/O Redondo Av.	(replace 25' - \$50K)
18 <sup>th</sup> Street	W/O Redondo Av.	(1 spot repair- \$30K)
21 <sup>st</sup> St.	W/O Meadows	(Replace 10' - \$40K)
Manhole repair		(\$100K)

**Project Justification:** The above locations have been identified by maintenance staff and through CCTV inspection to require rehabilitation or replacement.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Sewer Funds		\$150,000	1,300,000			\$1,450,000
<b>TOTAL</b>		\$150,000	1,300,000			\$1,450,000

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design	\$200,000					\$200,000

Construction		\$1,140,000				\$1,140,000
Others						
<b>TOTAL</b>	\$200,000	\$1,140,000				\$1,340,000

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-15</i>	<i>FY 2011-16</i>	<i>FY 2012-17</i>	<i>FY 2013-18</i>	<i>FY 2014-19</i>	<i>TOTAL</i>
Operational Costs						

**Comments:** Operational costs are not increased by this project  
Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Rehabilitation of Sewer Manholes FY 2011-12 through FY 2014-15

**Project Manager:** Steve Finton

**Submitting Department:** Public Works

**Date Submitted:** March 4, 2010

**Type of Project:** Sewer Infrastructure

**Project Location/Address:** Various locations as indicated below.

**Project Description:** Rehabilitation of Gravity Sewer Mains

Street	Manhole	Recommendation	Year/Cost
Highland Ave	19-015	Replace	FY 2011-12 \$100K
1st St	01-080	Repair mortar	
Curtis Ave	05-052	Replace manhole cover and line	
Gates Ave	01-072	Line manhole	
2nd St	01-086	Line manhole	
Duncan Ave	10-039	Line manhole	
18th St	06-244	Line manhole	FY 2012-13 \$150K
8th St	04-054	Line manhole	
Meadows Ave	05-023	Line manhole	
14th St	06-191	Line manhole	
Cedar Way	25-012	Line manhole	
Village Dr	25-025	Line manhole	
11th St	09-028	Line manhole	
Rowell Ave	05-055	Replace manhole cover	
Flournoy Rd	17-057	Line manhole	FY 2014-15 \$150K
14th St	06-050	Line manhole	
14th St	06-077	Line manhole	
31st St	17-053	Line manhole	
Tennyson St	05-020	Line manhole	
Voorhees Ave	05-005	Line manhole	
The Strand	14-064	Replace manhole cover	
Manhattan Ave	11-116A	Line manhole	
19th St	06-030	Line manhole	
Blanche Rd	17-040	Line manhole	
1st St	01-061	Line manhole	
Marine Ave	15-053	Repair mortar	
Manhattan Ave	11-117	Line manhole	

**Project Justification:** The above sewer manholes were inspected and determined to require rehabilitation, repair or replacement. This project will rehabilitate, replace and/or repair the sewer manholes listed above. Manholes provide maintenance access to sewer mains.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Sewer Funds		\$100,000	\$150,000		\$150,000	\$400,000
<b>TOTAL</b>		\$100,000	\$150,000		\$150,000	\$400,000

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design						
Construction		\$100,000	\$150,000		\$150,000	\$400,000
Others						
<b>TOTAL</b>		\$100,000	\$150,000		\$150,000	\$400,000

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-15</i>	<i>FY 2011-16</i>	<i>FY 2012-17</i>	<i>FY 2013-18</i>	<i>FY 2014-19</i>	<i>TOTAL</i>
Operational Costs						

**Comments:** Operational costs are not increased by this project  
Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Pacific Pump Station Upgrade

**Project Manager:** Steve Finton

**Submitting Department:** Public Works

**Date Submitted:** March 1, 2010

**Type of Project:** Sewer Infrastructure

**Project Location/Address:** 2803 Pacific Avenue

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

**Project Justification:** The Pacific Avenue Pump Station has operational pumping capacity of 291 to 317 gallons per minute. The peak wet weather flows anticipated are 376 gallons per minute. 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. This project will modify the pumps and controls to accommodate two pumps capable of pumping 400 gallons per minute.

The Pacific Avenue Pump Station 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. If this line were to break or be damaged by another party, the City would have no option but to set up a temporary bypass pump and hose system to pump sewage inflows to an adjacent gravity sewer drainage area. This could not be set up in time to avoid significant sewage discharge to the street and storm drain system. This project would construct an additional 6" force main to provide two force mains to serve this station.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Sewer Funds Pump Station Upgrade				\$100,000	\$440,000	\$540,000
Sewer Funds Force Main					\$396,900	\$396,900
<b>TOTAL</b>					\$836,900	\$936,900

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design				\$100,000		\$100,000
Construction					\$836,900	\$836,900
Others						
<b>TOTAL</b>						\$936,900

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-15</i>	<i>FY 2011-16</i>	<i>FY 2012-17</i>	<i>FY 2013-18</i>	<i>FY 2014-19</i>	<i>TOTAL</i>
Operational						

Costs						
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**Comments:** Operational costs are not increased by this project  
Project initiated by: Steve Finton

**City of Manhattan Beach**  
**Capital Improvement Plan 2010-2015**  
*Project Request Form*

**Project Title:** Poinsettia Sewage Pump Station

**Project Manager:** Steve Finton

**Submitting Department:** Public Works

**Date Submitted:** February 22, 2010

**Type of Project:** Sewer Infrastructure

**Project Location/Address:** 1100 Poinsettia Avenue

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

**Project Justification:** The Poinsettia Sewage Pump Station has the smallest wet well capacity of any of the City's pump 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.

**Financing:** What source(s) of funds, if any, have been identified to complete this project?

<i>Funding Source</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Sewer Funds Pump Station				\$405,000	\$2,295,000	\$2,700,000
Sewer Funds Force Main					\$67,000	\$67,000
<b>TOTAL</b>				\$405,000	\$2,362,000	\$2,767,000

**Estimated Project Costs** (to be completed by Engineering Division):

<i>Project Phase</i>	<i>FY 2010-11</i>	<i>FY 2011-12</i>	<i>FY 2012-13</i>	<i>FY 2013-14</i>	<i>FY 2014-15</i>	<i>TOTAL</i>
Design				\$405,000		\$405,000
Construction					\$2,362,000	\$2,362,000
Others						
<b>TOTAL</b>				\$405,000		\$2,767,000

**Operational Costs** (Please identify any operational costs, including staffing, materials, and/or maintenance associated with this project):

	<i>FY 2010-15</i>	<i>FY 2011-16</i>	<i>FY 2012-17</i>	<i>FY 2013-18</i>	<i>FY 2014-19</i>	<i>TOTAL</i>
Operational Costs						

**Comments:** Operational costs are not increased by this project  
Project initiated by: Steve Finton