



## 2012-2016 Capital Improvement Plan

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## 2011 – 2015 Capital Improvement Plan

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**Overview****Capital Improvement Plan Introduction**

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The City of Manistee 2012-2016 Capital Improvement Plan (CIP) is presented on the following pages. The CIP is a rolling five-year plan for capital improvements throughout the City of Manistee. It includes all departments and operating areas. The document presents capital needs of the City and is in alignment with the goals and priorities set forth in the Strategic Plan. The CIP ensures that staff continues to be forward-looking and proactive in identifying areas of needed capital investment.

Current year items identified in the CIP are incorporated in the operating budget. The outlying years serve as an important planning tool, identifying areas that will need resources in the future. Since the plan is forward-looking, it is subject to available funding, changing priorities and unanticipated events.

For the purpose of this plan, a capital expenditure is any project that costs in excess of \$5,000 and has an estimated useful life of greater than one year. This includes a wide array of items, ranging from vehicles to equipment to infrastructure items to physical structures. Each item identified in the CIP has a project justification statement. This project statement consists of the following parts:

**Project Title:** This indicates the name of the project.

**Department:** Which department or operating area is the capital improvement related to.

**Year:** Which fiscal year is the project expected to be started. When a project spans multiple years, this will be indicated in the text of the statement.

**Estimated Project Cost:** Total estimated project cost, even if it will be financed over time.

**Project Description:** A brief description of what the project or expenditure is.

**Project Justification\Case Statement:** An explanation of why the project or expenditure is important and why it should be funded.

**Impact on Operating Expenses:** An estimate of how this project or expenditure impacts City operating expenses.

**Funding Source & Financing Method:** An indication where funds will come from to pay for the project or expenditure and how it may be financed.

**Funding Notes:** This is an elaboration on the funding source or financing method.

## Overview

### Capital Projects Summary

The total estimated cost of all capital projects in the five year plan is **\$14,093,204** and is summarized in the following figures.

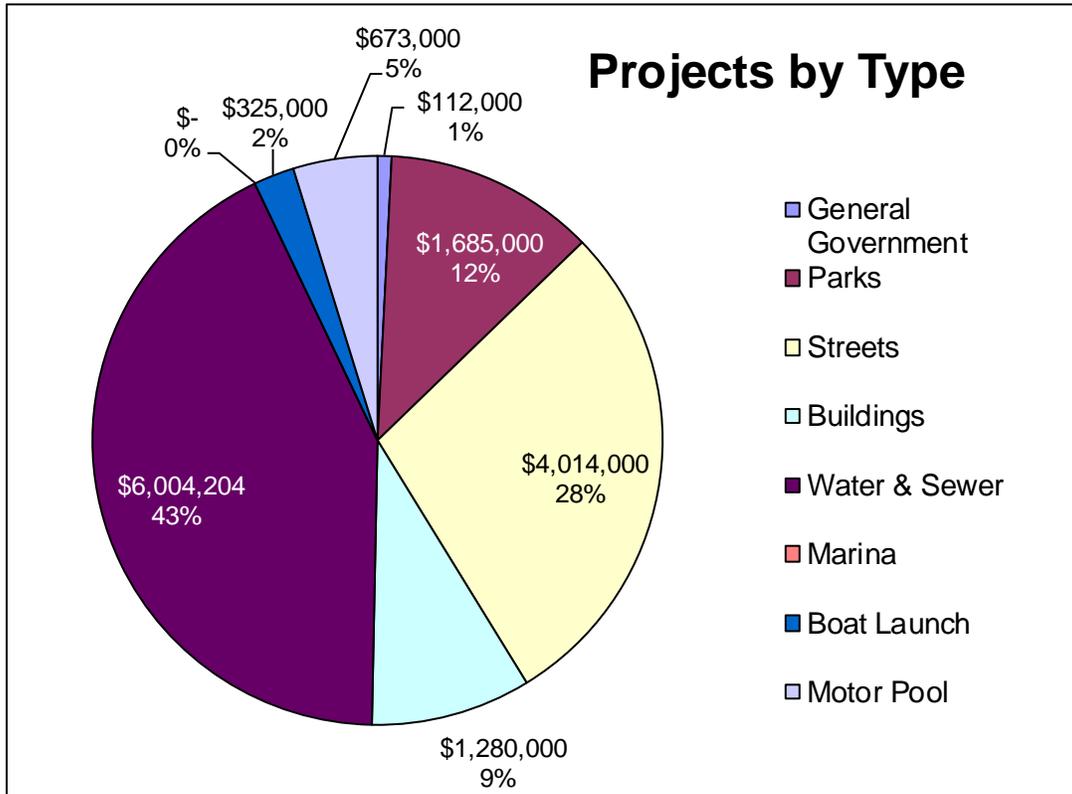
#### Capital Projects by Type

General Government	\$	112,000
Parks	\$	1,685,000
Streets	\$	4,014,000
Buildings	\$	1,280,000
Water & Sewer	\$	6,004,204
Marina	\$	-
Boat Launch	\$	325,000
Motor Pool	\$	673,000

#### Capital Projects by Year

	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
	\$10,700,204	\$879,000	\$914,000	\$856,000	\$930,000

**Total**                                 **\$ 14,093,204**





General Government Capital Projects Summary

General government capital projects are those that are general in nature and impact the whole City operations, or those that relate to General Fund activities. The total estimated cost of all general government capital projects in the five year plan is **\$112,000** and is summarized below.

General Government	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	Total
Network City Buildings	\$ 20,000					\$ 20,000
Council Computers	\$ 10,000					\$ 10,000
File Server		\$ 12,000				\$ 12,000
City Hall Generator			\$ 35,000			\$ 35,000
Garage Generator				\$ 35,000		\$ 35,000
						\$ -
						\$ -
<b>Total</b>	<b>\$ 30,000</b>	<b>\$ 12,000</b>	<b>\$ 35,000</b>	<b>\$ 35,000</b>	<b>\$ -</b>	<b>\$ 112,000</b>

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General Government Capital Projects

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**Project Title: Network City Buildings**

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**Department:** Finance

**Year:** 2011-2012

**Estimated Project Cost:** \$20,000

**Project Description:** This project would work in conjunction with the water and sewer utility communications initiative to connect the WWTP and Fire Station, and possibly the Ramsdell Theatre and Marina building to the City network.

**Project Justification\Case Statement:** The City has suffered from not having full network capability between buildings for some time. Networking allows for shared resources such as GIS, Laserfiche, email, internet, firewalling, backup and file storage. It allows access to software to streamline processes such as purchasing and payroll. It also allows for centralized network management. Finally, this will allow for the leveraging of the City's phone system. The Public Safety Director has requested this as well.

**Impact on Operating Expenses:** Staff will be more productive and efficient with their buildings networked together and the elimination of redundant internet and phone service will cut down on operating expense.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

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General Government Capital Projects

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**Project Title: Council Computers \ E-Gov**

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**Department:** Clerk\Finance

**Year:** 2011-2012

**Estimated Project Cost:** \$10,000

**Project Description:** This project would provide a laptop or tablet computer for each Council member for City use. Packets and other communications and information would be delivered electronically. Each Councilmember will also be set up with an official City of Manistee email account for City business.

**Project Justification\Case Statement:** Computers are pervasive in today’s world. Leveraging technology allows government to work more efficiently and effectively. Computers will allow for more dynamic Council packet content and serve as a repository of information. This will also allow for easier access to the City’s Intranet once it is up and running.

**Impact on Operating Expenses:** Moving to electronic distribution of agendas, packets and other information will dramatically cut down on copying and paper costs.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

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General Government Capital Projects

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**Project Title: File Server**

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**Department:** Finance

**Year:** 2012-2013

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

**Project Description:** The City intends to replace a five year-old file server that is at City Hall. This file server is the main application and database server for the City. The new server will be more powerful and have newer software and technology.

**Project Justification\Case Statement:** The file server will be at the end of its expected useful life and will likely be underpowered for the tasks it is handling. It is a best practice to keep our file servers current with technology to enhance efficiency and productivity. This file server is critical to City operations, and if it were to fail, would effectively shut down City Hall. Once the new file server is in place, the old one will be rebuilt and used either as a spare server in the event of a failure or a remote server for backups. This has been endorsed by the City's IT consultant Terrapin Networks.

**Impact on Operating Expenses:** The new server should reduce the amount of time spent maintaining the server.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

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General Government Capital Projects

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**Project Title: City Hall Generator**

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**Department:** Municipal Buildings

**Year:** 2013-2014

**Estimated Project Cost:** \$35,000

**Project Description:** Purchase of stand by generator for City Hall.



**Project Justification\Case Statement:** When City Hall was renovated, it was wired for future emergency generator power. The external plug in for the generator was also installed. An emergency stand-by generator would allow City Hall to function in the event of a power outage or other emergency that cut power. Since City Hall will be providing centralized phone and data services for other City locations, it is critical that these remain up and running. Also, since City Hall houses the Police Department, it is important for Public Safety continuity.

**Impact on Operating Expenses:** Minimal increase due to annual generator maintenance. Large, but difficult to quantify, savings from the elimination of lost data and employee downtime during power events.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** Grants opportunities will be explored for this investment, but purchase is not dependent on grant funding.

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General Government Capital Projects

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**Project Title: City Garage Generator**

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**Department:** Municipal Buildings

**Year:** 2014-2015

**Estimated Project Cost:** \$35,000

**Project Description:** Purchase of stand by generator for City Garage.



**Project Justification\Case Statement:** City Garage has an inoperable 1950's civil defense generator. A functioning emergency stand-by generator would allow City Garage to function in the event of a power outage or other emergency that cut power. City Garage serves as a head end for the City network. It is critical that these remain up and running. Also, since City Garage often works in situations where power may be out, power becomes a critical safety and efficiency issue.

**Impact on Operating Expenses:** Minimal increase due to annual generator maintenance. Large, but difficult to quantify, savings from the elimination of lost data and employee downtime during power events.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

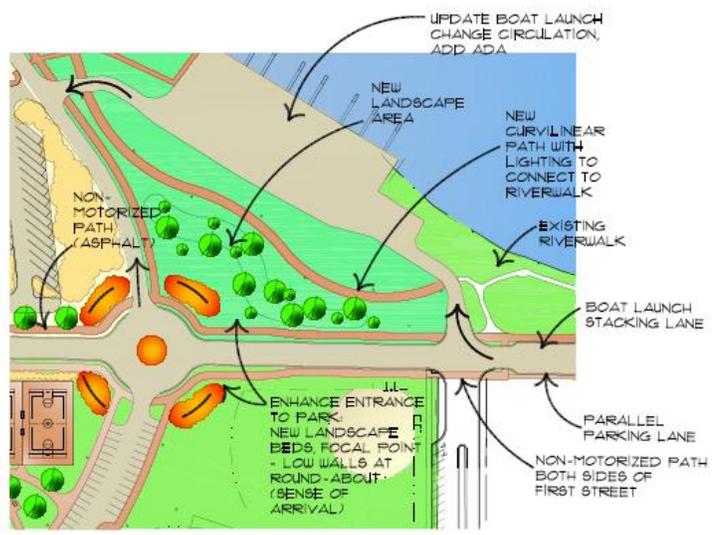
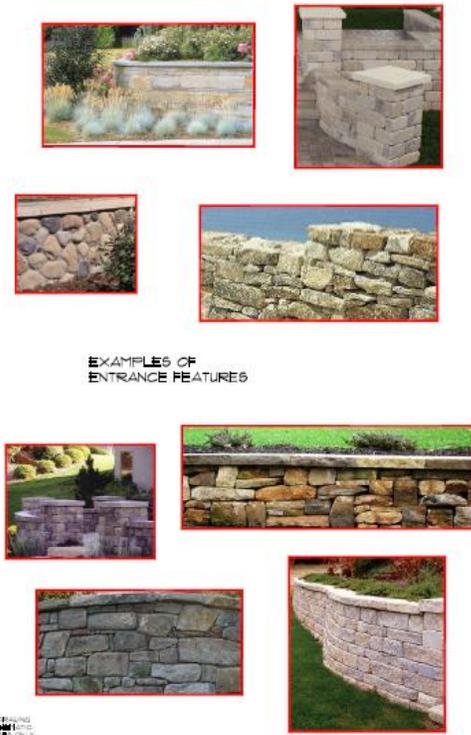
**Funding Notes:** Grants opportunities will be explored for this investment, but purchase is not dependent on grant funding.

Parks Capital Projects Summary

Parks capital projects are those that are directly related to improvements in the City’s extensive park system. The total estimated cost of all general government capital projects in the five year plan is **\$1,685,000** and is summarized below.

Parks	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	Total
Sand-Dune Stabilization		\$ 30,000	\$ 30,000			\$ 60,000
Fish Cleaning Station	\$ 150,000					\$ 150,000
First Street Beach House	\$ 400,000					\$ 400,000
Playground Equipment	\$ 10,000					\$ 10,000
Wayfinding Signage	\$ 15,000					\$ 15,000
Man-Made Lake Improvements				\$ 550,000		\$ 550,000
First Street Beach Improvements					\$ 500,000	\$ 500,000
						\$ -
						\$ -
						\$ -
<b>Total</b>	<b>\$ 575,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 550,000</b>	<b>\$ 500,000</b>	<b>\$ 1,685,000</b>

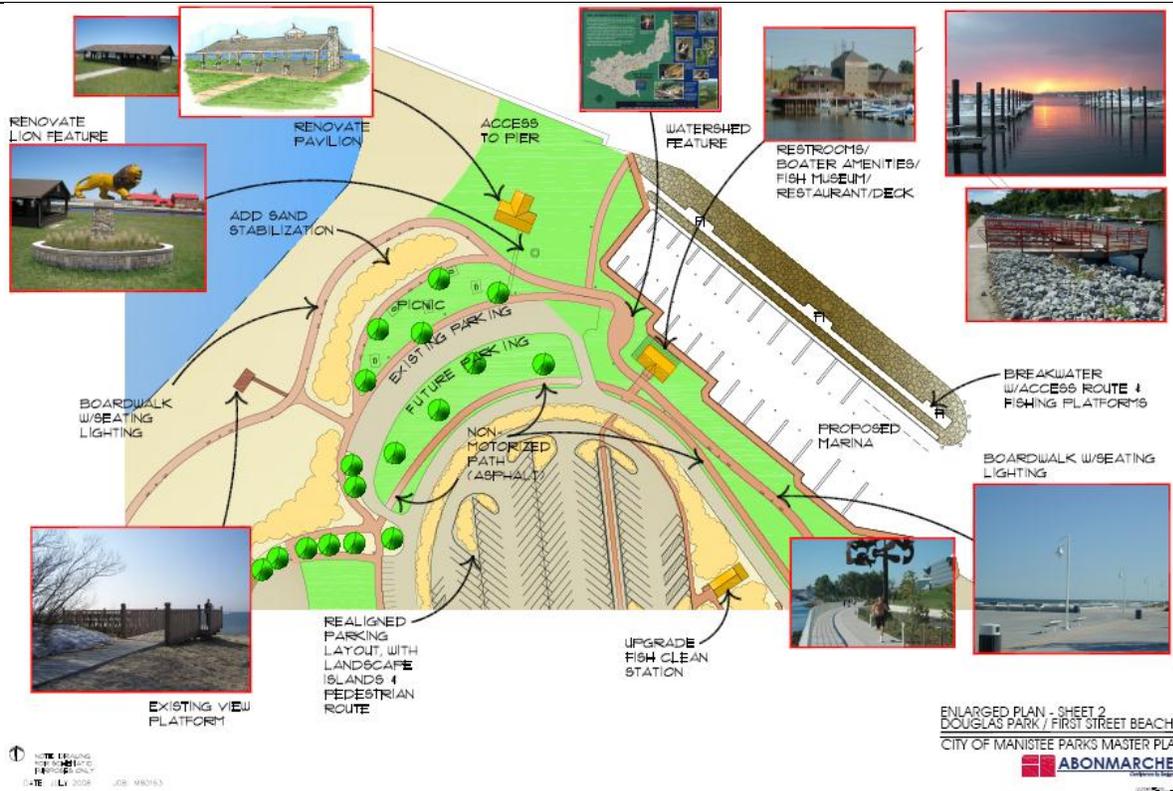
The community has undertaken an extensive process to develop Beach Conceptual plans for the City beach areas. This ambitious project was to design a plan to have world class beaches. Of course, world class beaches carry a world class price tag. The projects identified represent just a small fraction of the cost to implement the plan. Renderings of the plan for various areas are included.

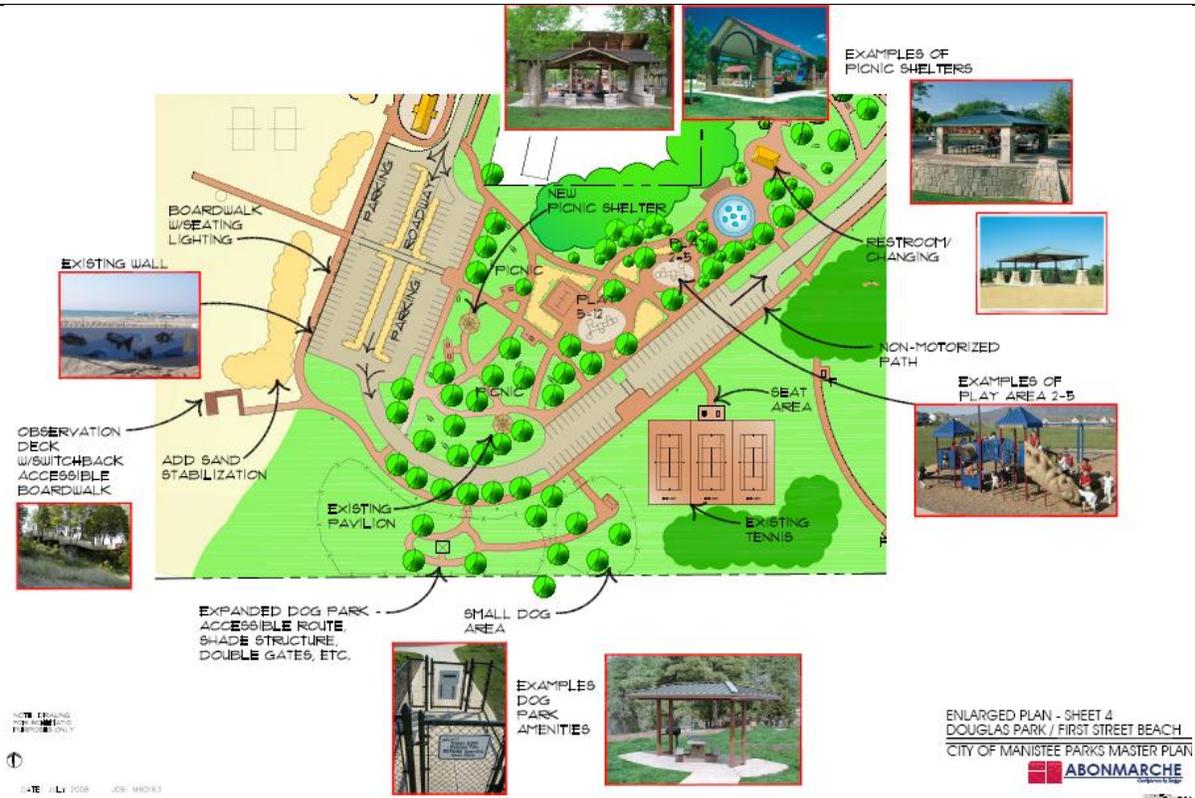


NOTES:  
 EXISTING  
 PROPOSED

DATE: JULY 2008 JOB: M80163

ENLARGED PLAN - SHEET 1  
 DOUGLAS PARK / FIRST STREET BEACH  
 CITY OF MANISTEE PARKS MASTER PLAN  
 ABONMARCHÉ CONSULTANTS, INC.





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Parks Capital Projects

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**Project Title: Sand Stabilization/Dune Grass**

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**Department:** Parks

**Year:** 2012-2013

**Estimated Project Cost:** \$30,000 per year for 2 years

**Project Description:** Planting of dune grass and other native grasses to minimize sand migration from beaches.



**Project Justification\Case Statement:** The City of Manistee is completing the Beach Conceptual Plan in accordance of the three year Council Strategic Goals. A primary goal of the conceptual plan is to prevent sand from migrating from the beaches to the greatest extent possible. Planting of native plant life, primarily dune grass was identified by the consultants as the best opportunity to minimize sand migration.

Minimizing migration of sand will save countless hours annually from the Parks Department and DPW Department having to remove blowing sand from parking lots and other areas at both Fifth Avenue and First St./Douglas Park. Whereas these plantings alone will not stop blowing sand, it will help minimize its impacts upon surrounding areas.

**Impact on Operating Expenses:** Depending on how we plant the dune grass (contract or use of force labor) there could be some force labor time in used. In future years as the grass becomes stabilized, there should be a reduction in time for removing blowing sand from parking lots and grass areas.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

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## Parks Capital Projects

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### Project Title: Fish Cleaning Station

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**Department:** Parks

**Year:** 2011-2012

**Estimated Project Cost:** \$150,000

**Project Description:** Reconstruct fish cleaning station at First Street beach. Add restrooms to complex to replace existing restrooms. Address fish disposal issue thru freezing or some other method.



**Project Justification\Case Statement:** The current fish cleaning station is deteriorating to the point that it needs significant rehabilitation. It would be replaced and slightly enlarged. The restrooms proposed would replace the ones at the existing concession area which are obsolete. Enhancements (yet unidentified) to the fish carcass disposal system would be implemented.

**Impact on Operating Expenses:** Impact on operating expenses would be associated with the requirement of maintaining and cleaning the new amenities by DPW and Parks personnel.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** The City will be budgeting matching funds for this project in the Capital Improvement fund in amount of \$75,000. We will be applying for Great Lakes Fishery Trust and possibly Waterways money to help fund this project. The project will not likely occur unless significant grant funding can be procured.

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Parks Capital Projects

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**Project Title: First Street Beach House**

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**Department:** Parks

**Year:** 2011-2012

**Estimated Project Cost:** \$400,000

**Project Description:** Replace existing beach house at First Street Beach.



**Project Justification\Case Statement:** The Beach Conceptual Plans call for the replacement of the existing First Street Beach bathhouse. Replacement of the bathhouse with a structure similar to the one at Fifth Avenue Beach would allow for greater use and recreational opportunity at First Street Beach, and serve as an anchor for the park.

**Impact on Operating Expenses:** Operating expenses should be similar to the cost of maintaining the existing bathhouse. Costs could be sharply reduced if a vendor contract similar to the one at Fifth Ave. beach house (requiring cleaning of structure and restroom) is entered into.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** The City will budget matching funds for this project in the Capital Improvement Fund in the amount of \$100,000. This project has been listed as an “Explore the Shore” candidate. Grant funding will be sought from the Michigan Natural Resources Trust Fund. If grant funding is not received, this project will have to be pushed back.

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Parks Capital Projects

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**Project Title: Playground Equipment**

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**Department:** Parks

**Year:** 2011-2012

**Estimated Project Cost:** \$10,000

**Project Description:** Provide playground equipment targeted at young children.



**Project Justification\Case Statement:** Current City parks are lacking in playground equipment for

**Impact on Operating Expenses:** Operating expenses should be similar to the cost of maintaining the existing bathhouse. Costs could be sharply reduced if a vendor contract similar to the one at Fifth Ave. beach house (requiring cleaning of structure and restroom) is entered into.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:**

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Parks Capital Projects

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**Project Title: Park Wayfinding Signage**

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**Department:** Parks

**Year:** 2011-2012

**Estimated Project Cost:** \$15,000

**Project Description:** Start installing wayfinding signage at City parks.

**Project Justification\Case Statement:** This signage would continue the theme established with our wayfinding signage program and better identify our park assets.



**Impact on Operating Expenses:** No impact immediately, but long term may increase maintenance slightly.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:**

Parks Capital Projects

**Project Title: Man Made Lake Improvements**

**Department:** Parks

**Year:** 2014-2015

**Estimated Project Cost:** \$550,000

**Project Description:** Incorporate Phase I barrier free amenities throughout Man Made Lake park, construct restrooms and reconstruct parking.



**Project Justification\Case Statement:** The City has completed its acquisition of Man Made Lake. The Beach Conceptual Plan for this park has been completed and endorsed by Council. The plan has a three phase implementation schedule. Phase 1 improvements will address parking, restrooms\pavilion and accessible amenities. The MNRTF board has encouraged the City to apply for development funds for this park.

**Impact on Operating Expenses:** Impact on operating expenses would be associated with the requirement of maintaining and cleaning the new amenities by DPW and Parks personnel, as well as weekly (or as needed) sand removal. Sand removal hopefully should be less than at the exposed Fifth Avenue and First Street Beaches.

**Funding Source:**

**Financing Method:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** The City will budget matching funds for this project in the Capital Improvement Fund. This project has been listed as an “Explore the Shore” candidate. Grant funding will be sought from the Michigan Natural Resources Trust Fund and Easter Seals. If grant funding is not received, this project will have to be pushed back.

Parks Capital Projects

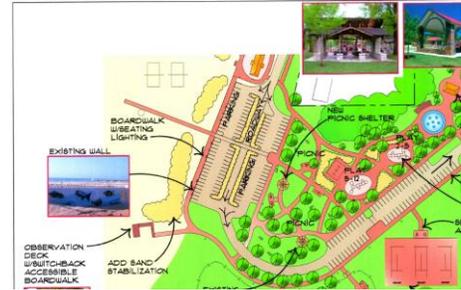
**Project Title: First Street Beach Picnic Shelter Area Improvements**

**Department:** Parks

**Year:** 2015-2016

**Estimated Project Cost:** \$500,000

**Project Description:** With the planting of dune grass to stabilize drifting sand, the City can improve the picnic shelter area by addressing parking, removing excess sand, remove dead trees, strategic pouring of sidewalks, renovating structures, planting of grass, installation of new picnic grills, and installation of sprinkling systems.



**Project Justification\Case Statement:** The City of Manistee has completed the completed the Beach Conceptual Plan in accordance with the Three Year Council Strategic Goals. The primary goal is to improve both the aesthetics and use of the picnic shelter area by placement of strategic sidewalks and planting of grass. Due to the sandy conditions, it will be imparative for the area to have a sprinkling system.

**Impact on Operating Expenses:** This grassy area will require more mowing and annual edging of the sidewalks, but should reduce the number of staff hours used to remove sand. The increased use and aesthetic improvement will be worth the potential increase in staff maintenance.

**Funding Source:**

**Financing Method:**

- Capital Improvement
- General
- Water & Sewer Utility
- Major\Local Street Fund
- Marina
- Boat Ramp
- Grant

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** Staff will research funding opportunities over the next few years. However, at this point, it appears that there is no readily available source of grant funds for this project. We will also look at partnering with other local units of government and\or the County.

Streets Capital Projects Summary

Streets capital projects are those that are directly related to improvements in the City’s street network. The total estimated cost of all street capital projects in the five year plan is **\$4,014,000** and is summarized below.

Streets	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	Total
Crack Sealing	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000
First Street	\$ 1,377,000					\$ 1,377,000
Maple Street Bridge	\$ 1,387,000					\$ 1,387,000
Cedar Street Local Orphan Streets	\$ 1,100,000					\$ 1,100,000
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
<b>Total</b>	<b>\$ 3,894,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ 4,014,000</b>

The City has adopted a state approved Street Asset Management Plan. It will update this plan regularly and use the findings to assist in budgeting for street capital projects. This plan represents a “best practice” and has been recognized by the State of Michigan as a model plan. Implementation will stretch the City’s street dollars.

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Streets Capital Projects

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**Project Title: Streets Crack Sealing**

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**Department:** DPW

**Year:** 2011-2012

**Estimated Project Cost:** \$30,000

**Project Description:** Crack sealing various streets as indicated by the Street Asset Management Plan. The goal is to do 1/4 to 1/3 of the town each year.

**Project Justification\Case Statement:** Crack sealing is a cost effective way of preserving and extending the life of our streets. It seals water out and prevents heaving and additional cracking.

**Impact on Operating Expenses:** Crack sealing will delay the need to reconstruct streets, making our street resources go farther.

**Funding Source:**

- Capital Improvement
- General
- Water & Sewer Utility
- Major\Local Street Fund
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:**

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Streets Capital Projects

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**Project Title: First Street**

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**Department:** DPW

**Year:** 2011-2012

**Estimated Project Cost:** \$1,370,000

**Project Description:** This project would reconstruct First St. from the Armory to the beach and replace necessary subsurface components including water main, storm and sanitary sewer.

**Project Justification\Case Statement:** This project will be done in conjunction with the Cedar Street CSO. Reconstruction of First St. is a high priority for City Council.

**Impact on Operating Expenses:** No significant impact.

**Funding Source:**

- Capital Improvement
- General
- Water & Sewer Utility
- Major\Local Street Fund
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** This project will be financed thru the previously issued Capital Improvement and\or Water & Sewer Revenue Bond bonds. The source of repayment for the bonds will be the Capital Improvement fund and the Water & Sewer Utility.

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## Streets Capital Projects

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**Project Title: Maple Street Bridge Rehabilitation**

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**Department:** DPW

**Year:** 2011-2012

**Estimated Project Cost:** \$1,387,000

**Project Description:** This project would complete the rehabilitation of the Maple Street bridge, including new electrical motors and controls, taillocks and the bridge decking.

**Project Justification\Case Statement:** This project will complete the Maple Street bridge and has been identified as a high priority by Council. The City is leveraging significant dollars thru the State Local Bridge fund. The City match is \$205,000.

**Impact on Operating Expenses:** No significant impact.

**Funding Source:**

- Capital Improvement
- General
- Water & Sewer Utility
- Major\Local Street Fund
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** This project will be paid thru a State of Michigan Local Bridge grant of \$1,182,000 and \$205,000 in local funds. The previously issued Capital Improvement bond will be the source of financing for the project. The Capital Improvement fund will be the source of repayment for this project.

Streets Capital Projects

**Project Title: Cedar Street Local “Orphan” Streets**

**Department:** DPW

**Year:** 2011-2012

**Estimated Project Cost:** \$1,100,000

**Project Description:** This project would reconstruct local street segments in the Cedar St. sewer district that would not be reconstructed as part of the CSO project.

**Project Justification\Case Statement:** This project will be done in conjunction with the Cedar Street CSO. If these streets are not reconstructed at this time, it is unlikely that they would be done for the foreseeable future. The City will also be able to leverage the contractor doing the CSO work to perform this work at the same time.



**Impact on Operating Expenses:** No significant impact.

**Funding Source:**

- Capital Improvement
- General
- Water & Sewer Utility
- Major\Local Street Fund
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** This project will be financed thru the Capital Improvement bond previously issued. The source of repayment for the project will be the Major and\or Local Street fund.

Municipal Buildings Capital Projects Summary

Municipal buildings capital projects are those that are directly related to improvements in the City’s publically owned buildings. The total estimated cost of all building capital projects in the five year plan is **\$1,290,000** and is summarized below.

Municipal Buildings	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	Total
Ramsdell Theatre Renovations	\$ 50,000					\$ 50,000
Ramsdell HVAC System	\$ 1,000,000					\$ 1,000,000
Energy Efficiency Improvements	\$ 10,000	\$ 10,000	\$ 10,000			\$ 30,000
Ramsdell Ancillary Spaces		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 200,000
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
<b>Total</b>	<b>\$ 1,060,000</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 1,280,000</b>

The City is developing a Building Asset Management Plan that will assist in identifying capital projects and preventative maintenance for City buildings which will then be used to prepare the capital improvement plan. This plan will represent a “best practice” and will stretch the City’s limited maintenance dollars.

Municipal Buildings Capital Projects

**Project Title: Ramsdell Theatre Renovations \ Equipment**

**Department:** Municipal Buildings

**Year:** 2011-2012

**Estimated Project Cost:** \$50,000

**Project Description:** This project starts to implement portions of the Ramsdell master building plan as well as the findings in an operational and marketing study designed to increase building revenue.



**Project Justification\Case Statement:** The Ramsdell has several areas which are not complete and which limit the usefulness and revenue potential of the building. Examples of this include the classrooms in the basement level on the North side. Another example is a lack of projection equipment.



**Impact on Operating Expenses:** Operating expenses will go up slightly as renovated areas will be maintained at a higher level. This should be more than offset by the increased revenue brought in by the improvements.

**Funding Source:**

- Capital Improvement
- General
- Water & Sewer Utility
- Major\Local Street Fund
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** The City will likely have to pay for this out of its own resources; however, grant opportunities are being actively looked for; as is partnering with another organization to help defray costs.

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Municipal Buildings Capital Projects

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**Project Title: Ramsdell Theatre HVAC System Construction**

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**Department:** Municipal Buildings

**Year:** 2011-2012

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

**Project Description:** Replacing the failed heating system and installing air conditioning at the Ramsdell Theatre.



**Project Justification\Case Statement:** The steam heating system at the Ramsdell Theatre has failed and needs to be replaced. Many of the spaces, including the Ballroom do not have air conditioning, which makes it difficult to rent. Council previously approved \$90,000 for engineering the system. Cost estimates should be available prior to the budget being approved.

**Impact on Operating Expenses:** Heating costs will be reduced. Electricity costs will go up because of the air conditioning. There should be a net savings.

**Funding Source:**

- Capital Improvement
- General
- Water & Sewer Utility
- Major\Local Street Fund
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** The City will likely have to pay for this out of its own resources; however, grant opportunities are being actively looked for; as is partnering with another organization to help defray costs. Financing will require a 15 year bank loan or a 20 year bond issue.

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Municipal Buildings Capital Projects

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**Project Title: Energy Efficiency Improvements**

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**Department:** Municipal Buildings

**Year:** 2011-2012

**Estimated Project Cost:** \$10,000



**Project Description:** Implementing energy efficiency projects on City buildings.

**Project Justification\Case Statement:** The City recently had several of its buildings evaluated by the State of Michigan energy office. They issued a report detailing different areas that the City could save energy in a cost-effective manner. Examples include installing programmable thermostats, replacing incandescent lights, etc. Implementing some of these ideas will save the City money in the long term and further the effort to be "green."

## Introductory Energy Evaluation

**Impact on Operating Expenses:** Operating costs should be reduced because of energy savings.

**Funding Source:**

- Capital Improvement
- General
- Water & Sewer Utility
- Major\Local Street Fund
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** The City received a \$40,000 grant from the NWMCOG to implement energy saving improvements which will be complete by September of 2011. This money picks up where that left off.

Municipal Buildings Capital Projects

**Project Title: Ramsdell Theatre Ancillary Spaces**

**Department:** Municipal Buildings

**Year:** 2012-2013

**Estimated Project Cost:** \$50,000 / year (several years)

**Project Description:** Completing all unfinished areas in the Ramsdell Theatre



**Project Justification\Case Statement:** Once the Roof and HVAC projects are complete, the Ramsdell Theatre will still not be finished. In order to truly complete the building, the following spaces need to be addressed: concession area, downstairs classrooms, green room, substage, dressing rooms, storage, loading dock, elevator and gallery area. By completing the building, the Ramsdell will become the premiere Cultural Arts center in the area and will help to draw people to Manistee.

**Impact on Operating Expenses:** Operating costs will likely increase as there are more areas to maintain and possibly staff. Revenue should also increase entirely offsetting this cost.

**Funding Source:**

- Capital Improvement
- General
- Water & Sewer Utility
- Major\Local Street Fund
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** The Ramsdell Governance is exploring all available options to help fund this important project, including grants, partnerships and looking at the long-term possibility of a county-wide millage or county cultural arts authority.

Water & Sewer Capital Projects Summary

The Water and Sewer Utility is by far the most capital intensive operation of the City as it has the most physical assets. The total estimated cost of all Water & Sewer capital projects in the five year plan is **\$6,024,204** and is summarized below.

Water & Sewer	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	Total
Well 10 Chemical Feed Addition	\$ 30,000					\$ 30,000
Well 10 Rehab	\$ 15,000					\$ 15,000
Well 8 Generator	\$ 50,000					\$ 50,000
Well Communications	\$ 30,000					\$ 30,000
Lightning Protection	\$ 63,500					\$ 63,500
Pump Station Controls	\$ 75,000					\$ 75,000
Digester Lid & Seal	\$ 50,000					\$ 50,000
Jerumbo St. Pump St Generator	\$ 50,000					\$ 50,000
River Bank Sewer Line	\$ 800,000					\$ 800,000
Cedar Street CSO	\$ 3,810,704					\$ 3,810,704
Well 7 Rehab & Generator		\$ 175,000				\$ 175,000
Well 9 Chemical Feed Building		\$ 40,000				\$ 40,000
Well 8 Rehab		\$ 15,000				\$ 15,000
Arthur St. Pump St Generator		\$ 50,000				\$ 50,000
Ren Park Pump St Generator			\$ 50,000			\$ 50,000
I & I Suppression			\$ 300,000			\$ 300,000
Arthur St. Pump St Rebuild				\$ 50,000		\$ 50,000
Maywood Tank Paint					\$ 350,000	\$ 350,000
						\$ -
						\$ -
						\$ -
<b>Total</b>	<b>\$ 4,974,204</b>	<b>\$ 280,000</b>	<b>\$ 350,000</b>	<b>\$ 50,000</b>	<b>\$ 350,000</b>	<b>\$ 6,004,204</b>

The Water & Sewer Utility is in the fortunate position of being able to fund its needed projects through user rates. This has allowed it to keep up with many maintenance items and be proactive in addressing an aging system's needs. Recent mandatory sewer separation projects have required additional rate increases and taking on more debt.

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Water & Sewer Capital Projects

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**Project Title: Well 10 Chemical Feed Building Addition**

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**Department:** Water

**Year:** 2011-2012

**Estimated Project Cost:** \$30,000

**Project Description:** To expand the chemical feed\storage building room at Well10.

**Project Justification\Case Statement:** The current room is inadequately sized. The construction of a larger room for the chemicals is recommended to reduce the electrical controls and instrumentation corrosion cause by the fumes from the chlorine and fluoride.

**Impact on Operating Expenses:** Should reduce long-term repairs and maintenance of equipment.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:**

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Water & Sewer Capital Projects

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**Project Title: Well 10 Rehab**

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**Department:** Water

**Year:** 2011-2012

**Estimated Project Cost:** \$15,000

**Project Description:** Well 10 is scheduled to be cleaned as part of the clean water initiative program.

**Project Justification\Case Statement:** The cleaning and repairs of the city water wells was a department infrastructure goal. It is also a key activity to the clean water initiative program. This effort will lead to improved water quality.

**Impact on Operating Expenses:** The cleaning of the city water wells should reduce operating electrical cost by increasing the pump efficiency.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:**

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Water & Sewer Capital Projects

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**Project Title: Well 8 Generator**

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**Department:** Water

**Year:** 2011-2012

**Estimated Project Cost:** \$50,000

**Project Description:** To provide onsite electrical power in the event of power outages.

**Project Justification\Case Statement:** Presently, only Well 6 has the capabilities to deliver water into the city distribution system in the event of power outage. The city has been very fortunate that other simultaneous emergencies like a fire or main break haven't occurred at the same time. We have also been fortunate that the 35 year old right angle drive system at Well 6 has started every time. The addition of a second well as source of water would improve the water system reliability to ensure water in emergencies.

**Impact on Operating Expenses:** Very little, just fuel and maintenance.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:**

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Water & Sewer Capital Projects

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**Project Title: Well Communications**

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**Department:** Water

**Year:** 2011-2012

**Estimated Project Cost:** \$30,000

**Project Description:** Continue improving communications between well field, tanks and City Garage.

**Project Justification\Case Statement:** The current communications system consists of phone lines and circuits and is both expensive and unreliable. The project would involve replacing the land lines with cellular, radio or fiber optic technology and updating necessary computer software. The result will be a more robust communication system that provides more reliable data and fault tolerance.

**Impact on Operating Expenses:** Should reduce overtime related to maintenance personnel call outs.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:**

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Water & Sewer Capital Projects

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**Project Title: Water Wells Lightning Protection**

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**Department:** Water

**Year:** 2011-2012

**Estimated Project Cost:** \$63,500

**Project Description:** Install recommended equipment to reduce or eliminate lightning damage to the city water wells as suggested by the 2009 study. Approved by DWRF.

**Project Justification\Case Statement:** Lightning damage has increased and interfered with the city water wells capabilities to deliver a safe predictable supply of water. Several time each year the Well 6 mechanical drive system (1,800 gals per minute) is called upon to deliver water because lightning has produced electrical surges that has damaged instrumentation, motor drives, and motors at the other water wells. In an event such as a main break, or worse yet, a fire, 1,800 gallons per minute of water is not sufficient for very long. Well 10 was struck twice last year and was unuseable for ten months due to lightning surges. Each time lightning hit Well 10 it destroyed the drive (\$17,000) or the drive and the motor (\$40,000). Luckily the insurance company has paid, or warranty agreements have paid.

**Impact on Operating Expenses:** Would reduce overtime and unexpected repair cost.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** Received DWRF financing.

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Water & Sewer Capital Projects

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**Project Title: Sewer Pump Stations Communications**

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**Department:** Sewer

**Year:** 2011-2012

**Estimated Project Cost:** \$75,000

**Project Description:** Replace controls and panels at Jerumbo St. P.S., Oaks P.S., Arthur St. P.S. and Ren. Park P.S., incorporating new components and telemetry to the new WWTP SCADA system

**Project Justification\Case Statement:** The current control system at the stations has failed or was never present and there is no connection to the WWTP SCADA system. These new controls will reinstate a remote connection to the WWTP providing for 24 hour monitoring, improved data acquisition and increased reliability.

**Impact on Operating Expenses:** Should reduce overtime related to maintenance personnel call outs.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:**

Water & Sewer Capital Projects

**Project Title: Sludge Digester Lid & Seal**

**Department:** WWTP

**Year:** 2011-2012

**Estimated Project Cost:** \$50,000

**Project Description:** Remove deteriorated foam insulation, install new foam insulation. Apply full Sika roofing system, apply two coats Sika Elastocolor.



**Project Justification\Case Statement:** The protective coating and insulation on the top surface of the sludge digesters has been compromised. The insulation now acts as a sponge when exposed to precipitation, this inhibits the insulation factor of the digesters and makes for very inefficient heating. The new system is a highly durable, seamless, fully bonded, waterproof, elastomeric membrane which will protect and insulate the digesters making them much more efficient to heat. The life of this restoration is expected to be in excess of 20 years.

**Impact on Operating Expenses:** Decrease natural gas usage.

**Funding Source:**

- Capital Improvement
- General
- Water & Sewer Utility
- Major\Local Street Fund
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:**

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Water & Sewer Capital Projects

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**Project Title: Pump Station Generators**

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**Department:** WWTP

**Year:** 2011-2012

**Estimated Project Cost:** \$150,000

**Project Description:** To provide onsite generators to the most critical pumping stations in the city sewer system. They are: Jerumbo St. PS, Arthur St. PS, and Renaissance Park PS. The project plan is to address one pump stations in each year for the next three..

**Project Justification\Case Statement:** The waste stream from the hospital and prison is conveyed through these three pumping stations. Both the hospital and the prison have onsite generators to power their pumping station to stay in operation. Thus, they produce a constant waste stream. Onsite generators at each of the three pumping stations is a more efficient way of handling a power outage than having one pump and two generators. During a power outage, the question is, "Which pump station do you go to first, and with what"? Several times in the past ten years we have had 12 pumping stations down without power at the same time.

**Impact on Operating Expenses:** About \$3,000 per year per generator.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:**

Water & Sewer Capital Projects

**Project Title: North River Bank Sewer**

**Department:** Sewer

**Year:** 2011-2012

**Estimated Project Cost:** \$800,000

**Project Description:** Reconstruction of the 12 inch sewer main from Maple Street Bridge to the 6th Ave Pumping Station. Plans include 500ft. of sheet piling to stabilize the bank and install 600ft. of new 12 inch sewer. Note: Easements and permits have not been obtained yet and could result in the project being pushed back one year.



**Project Justification\Case Statement:** The sewer support pilings along the northside river bank have deteriorated to a condition just short of failing. This sewer line serves all customers east and north of Washington St, including the hospital and the prison. If this sewer line should happen to fail the potential health, safety, enviromental, and financial repercussions could be enormous.

**Impact on Operating Expenses:** None

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** This project will be financed through the previously issued Capital Improvement bond.

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Water & Sewer Capital Projects

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**Project Title: Cedar Street CSO**

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**Department:** Sewer

**Year:** 2011-2012

**Estimated Project Cost:** \$3,810,704

**Project Description:** Eliminate combined sewer outfall 003, 004 and 018 as agreed to and approved on December 4, 1996 Final Combined Sewer Overflow Control Program.

**Project Justification\Case Statement:** This is a requirement of the NPDES and will be the last section of the multi-year sewer separation project.

**Impact on Operating Expenses:** Difficult to gauge. Should reduce flow to WWTP. However, it is imperative that the infiltration study be completed and recommendations addressed before eliminating outfall 018.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** This project is being funded thru the Water & Sewer Utility. It is being financed thru a low interest SRF Loan and DWRf loan, and a Capital Improvement bond.

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Water & Sewer Capital Projects

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**Project Title: Well 7 Rehab & Generator**

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**Department:** Water

**Year:** 2012-2013

**Estimated Project Cost:** \$175,000

**Project Description:** Well 7 - Complete rework of well including new motor and pump, generator and right angle drive.

**Project Justification\Case Statement:** The cleaning and repairs to Well 7 is part of the water department clean water initiative program. Well 7 has high iron content and is known as the "rust bucket" and will be the most challenging to place back into production. It will be turned into a lower volume production well in an attempt to reduce chlorides.

**Impact on Operating Expenses:** The cleaning and repairs of water wells should increase the pump efficiency, thus reducing operating cost.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** Eligible for DWRP financing.

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Water & Sewer Capital Projects

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**Project Title: Well 9 Chemical Feed Building**

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**Department:** Water

**Year:** 2012-2013

**Estimated Project Cost:** \$40,000

**Project Description:** To construct a separate room to the existing Well 9 building for chemical storage.

**Project Justification\Case Statement:** The construction of a separate room for the chemicals is recommended to reduce the electrical controls and instrumentation corrosion cause by the fumes from the chlorine and fluoride. Presently, everything is squeezed in a one room building, and equipment is corroding.

**Impact on Operating Expenses:** Should reduce long-term repairs and maintenance of equipment.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:**

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## Water & Sewer Capital Projects

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**Project Title: Well 8 Rehab**

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**Department:** Water**Year:** 2012-2013**Estimated Project Cost:** \$15,000**Project Description:** Well 8 is scheduled to be cleaned as part of the clean water initiative program.**Project Justification\Case Statement:** The cleaning and repairs of the city water wells was a department infrastructure goal. It is also a key activity to the clean water initiative program. This effort will lead to improved water quality.**Impact on Operating Expenses:** The cleaning of the city water wells should reduce operating electrical cost by increasing the pump efficiency.**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:**

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Water & Sewer Capital Projects

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**Project Title: Sewer Infiltration Suppression**

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**Department:** Sewer

**Year:** 2013-2014

**Estimated Project Cost:** \$300,000

**Project Description:** To address inflow and infiltration to the sewers, particularly in the 1982 sewer project and Eighth & Vine pump station drainage area. THIS IS A MUST DO PROJECT. It will be done after an infiltration/inflow study of the area.

**Project Justification\Case Statement:** The flow from the Eighth & Vine pump station increases dramatically during wet weather events and spring thaw. This increase in flow will become a major problem when all the sewer overflows are eliminated as required by the Final Combined Sewer Overflow Control Program ( December 31, 2016 ). Failure to identify and eliminate the INI problem will lead to flooded basements during wet weather events. Smoke testing has also revealed areas that will be addressed.

**Impact on Operating Expenses:** Should reduce operating cost during wet weather events as less flow is coming to the WWTP.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** The ultimate cost and corresponding financing of the project will be determined by the results of the INI study.

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Water & Sewer Capital Projects

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**Project Title: Arthur St Pump Station Rebuild**

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**Department:** Sewer

**Year:** 2015-2016

**Estimated Project Cost:** \$50,000

**Project Description:** Rebuild Arthur St. pump station.

**Project Justification\Case Statement:** Prior to any sewer extension into Manistee Twp., this lift station will be evaluated and will likely need to be rebuilt.

**Impact on Operating Expenses:** Slight increase if larger pumps are required.

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:**

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Water & Sewer Capital Projects

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**Project Title: Paint Maywood Tank**

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**Department:** Water

**Year:** 2015-2016

**Estimated Project Cost:** \$350,000

**Project Description:** Paint Maywood Tank inside and out.



**Project Justification\Case Statement:** The Maywood Tank was last painted in 1996. I would anticipate that the condition of the paint on the tank is in poor shape. This will be verified through inspection prior to the project.

**Impact on Operating Expenses:** None

**Funding Source:**

- Capital Improvement Fund
- Water & Sewer Utility
- Marina
- Boat Ramp
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:**

Municipal Marina Capital Projects Summary

Municipal Marina capital projects are those that are related to the City’s marina operations. The total estimated cost of all marina capital projects in the five year plan is \$ - and is summarized below.

Municipal Marina	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	Total
to be determined						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
<b>Total</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Having completed several capital projects over the past few years, including the replacement of the Marina building, has put the Marina in good shape. No planned projects are on the planning horizon at this time.

Boat Launch Capital Projects Summary

Boat Launch capital projects are those that are related to the City’s three boat launches. The total estimated cost of all Boat Launch capital projects in the five year plan is **\$325,000** and is summarized below.

Boat Launch	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	Total
						\$ -
						\$ -
9th St Launch			\$ 325,000			\$ 325,000
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
<b>Total</b>	\$ -	\$ -	\$ 325,000	\$ -	\$ -	\$ 325,000

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Boat Ramps Capital Projects

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**Project Title: Ninth Street Boat Launch Renovations**

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**Department:** Boat Ramps

**Year:** 2013-2014

**Estimated Project Cost:** \$325,000

**Project Description:** Renovation of the Ninth St. Boat launch including paving parking lot, replacing dock and skid pier(s), landscaping and adding a simple restroom. The timing is dependent on securing easements and availability of grant funding.

**Project Justification\Case Statement:** The Ninth St. launch is an important, but under utilized launch. This project would make it much more user friendly and would give the City three excellent boat launches. The City will need to clean up the ownership of the property on which the launch is located in order for the project to move forward.

**Impact on Operating Expenses:** Operating costs will increase as there is more to maintain.

**Funding Source:**

**Financing Method:**

- Capital Improvement
- General
- Water & Sewer Utility
- Major\Local Street Fund
- Marina
- Boat Ramp
- Grant

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** The site has been included on the "Explore the Shores" list of candidate sites. The project will likely be funded with a mix of grants, including the GLFT and Waterways. Likely local match will be \$80,000. If grants are not received, the project will have to be postponed.

Motor Pool Capital Projects Summary

Motor Pool capital projects are those that are related to the City’s extensive fleet of vehicles and equipment. The total estimated cost of all Motor Pool capital projects in the five year plan is **\$673,000** and is summarized below.

Motor Pool	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	Total
						\$ -
						\$ -
Pickups (2)	\$ 42,000					\$ 42,000
Police Cruisers (3)	\$ 90,000					\$ 90,000
Chipper	\$ 35,000					\$ 35,000
						\$ -
Plow Truck		\$ 95,000				\$ 95,000
Pickup		\$ 25,000				\$ 25,000
Street Sweeper		\$ 150,000				\$ 150,000
Vactor		\$ 175,000				\$ 175,000
Water Van		\$ 22,000				\$ 22,000
						\$ -
Pickups (2)			\$ 27,000			\$ -
City Manager			\$ 27,000			\$ -
Police 4 x 4			\$ 30,000			\$ 30,000
						\$ -
Plow Truck				\$ 100,000		\$ -
Fire Pickup				\$ 32,000		\$ -
Parks Gator				\$ 9,000		\$ 9,000
						\$ -
To be determined					TBD	\$ -
<b>Total</b>	<b>\$ 167,000</b>	<b>\$ 467,000</b>	<b>\$ 84,000</b>	<b>\$ 141,000</b>	<b>\$ -</b>	<b>\$ 673,000</b>

Motor Pool purchases and resulting cash flows fluctuate considerably based on an ongoing evaluation of the vehicles and equipment and the current cash reserves and interest rate environment. Although Administration maintains a rolling 10 year projection, it is working to better project future needs.

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## Motor Pool Projects

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**Project Title: 2011-2012 Motor Pool Purchases**

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**Department:** Motor Pool

**Year:** 2011-2012

**Estimated Project Cost:** \$167,000

**Project Description:** Scheduled motor pool purchases of two pick-up trucks, three police cruisers and a chipper.

**Project Justification\Case Statement:** The Motor Pool maintains a multi-year plan for replacement of its vehicles and equipment. This plan is based on estimates of useful life of equipment. However, each piece of equipment is constantly evaluated to determine when it actually needs replacement. The vehicles slated for replacement are one 2001 and one 1997 pickups for the DPW and Parks, three 2007 police cruisers and a 2005 chipper.

**Impact on Operating Expenses:** Operating costs will likely decrease as maintenance costs should decline.

**Funding Source:**

- Capital Improvement
- General
- Water & Sewer Utility
- Major\Local Street Fund
- Marina
- Boat Ramp
- Motor Pool
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** Depending on a variety of factors, including interest rates, these will either be paid in cash or financed through an installment purchase contract.

Motor Pool Projects

**Project Title: 2012-2013 Motor Pool Purchases**

**Department:** Motor Pool

**Year:** 2012-2013

**Estimated Project Cost:** \$467,000

**Project Description:** Scheduled motor pool purchases of one plow truck, one pickup, one street sweeper, one Vactor and one water maintenance van.



**Project Justification\Case Statement:** The Motor Pool maintains a multi-year plan for replacement of its vehicles and equipment. This plan is based on estimates of useful life of equipment. However, each piece of equipment is constantly evaluated to determine when it actually needs replacement. The vehicles slated for replacement are one 1992 plow truck, one 2003 pickup truck, one 2006 street sweeper, one 2006 Vactor and one 2004 water maintenance van.

**Impact on Operating Expenses:** Operating costs will likely decrease as maintenance costs should decline.

**Funding Source:**

- Capital Improvement
- General
- Water & Sewer Utility
- Major\Local Street Fund
- Marina
- Boat Ramp
- Motor Pool
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** Depending on a variety of factors, including interest rates, these will either be paid in cash or financed through an installment purchase contract.

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## Motor Pool Projects

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**Project Title: 2013-2014 Motor Pool Purchases**

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**Department:** Motor Pool

**Year:** 2013-2014

**Estimated Project Cost:** \$84,000

**Project Description:** Scheduled motor pool purchases of one pickup, one City Manager vehicle and one Police four wheel drive vehicle.

**Project Justification\Case Statement:** The Motor Pool maintains a multi-year plan for replacement of its vehicles and equipment. This plan is based on estimates of useful life of equipment. However, each piece of equipment is constantly evaluated to determine when it actually needs replacement. The vehicles slated for replacement are one 2004 DPW pickup, one 2003 City Manager vehicle and one 2004 Police four wheel drive vehicle.

**Impact on Operating Expenses:** Operating costs will likely decrease as maintenance costs should decline.

**Funding Source:**

- Capital Improvement
- General
- Water & Sewer Utility
- Major\Local Street Fund
- Marina
- Boat Ramp
- Motor Pool
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** Depending on a variety of factors, including interest rates, these will either be paid in cash or financed through an installment purchase contract.

Motor Pool Projects

**Project Title: 2014-2015 Motor Pool Purchases**

**Department:** Motor Pool

**Year:** 2014-2015

**Estimated Project Cost:** \$141,000

**Project Description:** Scheduled motor pool purchases of one plow truck, one pickup and one gator.



**Project Justification\Case Statement:** The Motor Pool maintains a multi-year plan for replacement of its vehicles and equipment. This plan is based on estimates of useful life of equipment. However, each piece of equipment is constantly evaluated to determine when it actually needs replacement. The vehicles slated for replacement are one 1995 DPW plow truck, one 2004 Fire department pickup and one 2003 Parks gator.

**Impact on Operating Expenses:** Operating costs will likely decrease as maintenance costs should decline.

**Funding Source:**

- Capital Improvement
- General
- Water & Sewer Utility
- Major\Local Street Fund
- Marina
- Boat Ramp
- Motor Pool
- Grant

**Financing Method:**

- Cash
- Cash Installment
- Bank Installment Purchase
- Bond Issue
- Internal Loan

**Funding Notes:** Depending on a variety of factors, including interest rates, these will either be paid in cash or financed through an installment purchase contract.