# City of Marshall, Michigan
# Capital Improvements Program
# July 1, 2010 Through June 30, 2016

## Council Members

**Bruce Smith, Mayor**
James Dyer, Council Member Ward 1
Nick Metzger, Council Member Ward 2
Brent Williams, Council Member Ward 3
Ryan Traver, Council Member Ward 4
Brad Doane, Council Member Ward 5
Kathy Miller, Council Member At Large

## City Administration

Tom Tarkiewicz, City Manager and Director of Utilities and Infrastructure
Sandra Bird, Clerk-Treasurer
James Schwartz, Police Chief
Robert Kiessling, Fire Chief

# Capital Improvements Program

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**July 1, 2010 through June 30, 2016**
**City of Marshall**
**Update to Capital Improvements Program**
**Schedule**

| Date | Activity |
|---|---|
| September 10, 2009 | Meet with Directors and Department Heads to discuss CIP update process. Distribute materials for actual CIP update. |
| September 11, 2009 ï September 30, 2009 | Department Heads work on updates to CIP; submit to Finance Department on or before September 30. |
| October 1, 2009 ï October 9, 2009 | Preliminary CIP document assembled by Finance Department based on detail submitted by Department heads. |
| October 12, 2009 ï October 16, 2009 | Preliminary CIP document reviewed by City Manager and Finance Director. |
| October 19, 2009 ï October 23, 2009 | Draft CIP reviewed by City Manager and Directors. |
| November 2-6, 2009 | Draft CIP distributed to Planning Commission. |
| November 11, 2009 | Planning Commission sets public hearing |
| November 30 - December 4, 2009 | Draft (revised if necessary) CIP document distributed to Planning Commission. |
| December 9, 2009 | Planning Commission holds public hearing on CIP and submits formal recommendation to City Council. |
| January 4, 2010 | Council receives CIP and recommendations by Planning Commission and schedules public hearing for January 18, 2010. |
| January 19, 2010 | City Council holds public hearing on CIP and adopts the CIP. |

# City of Marshall
# Capital Improvements Program

This yearôs Capital Improvements Program (CIP) provides an opportunity for the various stakeholders in the City of Marshall to come together and prepare a plan of the Cityôs capital improvement needs for the next six years. These stakeholders include the City Council, city administration along with department heads, and the citizens of Marshall. While not all of these needs will be met, as resources are scarce, the CIP provides a way to prioritize these needs and allocate resources to best meet the various demands.

***What is the Capital Improvements Program?***

The CIP is a six-year plan identifying capital projects to be funded over that period. Included in the plan is the year in which the capital item/project will be funded, the duration of the item/project, the source of funding, and the impact, if any, on operational costs once the capital item/project is acquired. All items/projects are prioritized as explained later in this section.

***What is a Capital Improvements Item/Project?***

As used in the City of Marshall CIP, a capital improvements item/project is defined as a major, non-recurring expenditure that incorporates any of the following:

1. The acquisition of land for a public purpose.
2. Any construction of a new facility including engineering design and other pre-construction costs with an estimated cost in excess of $5,000.
3. A non-reoccurring rehabilitation or major repair of all or part of a building, its grounds, a facility, or its equipment, provided that such costs are more than $5,000 and the improvement will have a useful life of ten years or more.
4. Purchase of major equipment valued in excess of $5,000 with a useful life of three years or more.
5. Major studies requiring the employment of outside professional consultants in excess of $5,000.
6. All projects funded substantially from the proceeds of a debt obligation.

These factors should be used to determine if a project should be considered as part of the CIP. If there is uncertainty as to whether a project or expenditure should be included in the CIP, please include it and it will be reviewed during the compilation process.

***Why develop a Capital Improvements Program?***

By developing a CIP the City of Marshall is showing fiscal responsibility. A CIP focuses attention on the long-term issues and implications of these needs with regard to financing resources. The CIP demonstrates fiscal responsibility and planning to:

1. City Council
2. Citizens
3. Rating Agencies
4. Municipal Bond Authorities

Further, a CIP facilitates proper planning for economic development in the broadest sense of the term. It helps establish the future plan for growth with regard to infrastructure, utilities, service needs, parks and recreational needs.

***What are the benefits of having a Capital Improvements Program?***

The benefits of a thorough and well-planned CIP are numerous. First and foremost, the CIP is a planning tool which, as mentioned earlier, provides a mechanism to allocate scarce resources

across competing demands. Second, with a ñpay-as-you-goò approach to financing capital projects, overall savings can be realized by avoiding interest and other costs associated with issuing debt. Third, the CIP provides an opportunity for the cityôs Council, administration, and citizens to come together and prioritize the needs of the community. Finally, the CIP is a budgeting tool. As such, each of the six years of the program provide a snapshot of that yearôs potential capital expenditures. Each of these years will be considered individually as that yearôs Capital Improvement Budget. Hence, the CIP defines the capital needs of the city for each budget year.

***Who is responsible for the preparation of the CIP?***
The key players in the development of the CIP and their respective roles are as follows:

**City Council**
The City Council has final responsibility of authorizing expenditures of public funds for capital improvement projects. The City Council will be reviewing, conducting public hearings, and adopting the capital improvements program. Once approved, the CIP will be used as a guide for preparing the budget.

**City Manager**
The City Manager has the responsibility for submitting the proposed capital improvements program to the Planning Commission and City Council for their review. It is the responsibility of the City Manager to review the proposed program as to content, timing, coordination and its affect on the overall fiscal policy and abilities of the City.

**Finance Department**
The Finance Department has the responsibility of coordinating the actual preparation of the proposed capital improvements program. The Director of Finance coordinates and reviews individual department projects and prepares the program document. This Department is also responsible for providing supporting information regarding the Cityôs revenue and expenditure capabilities and limitations.

**Directors and Department Heads**
The Directors and Department Heads have the most knowledge and information concerning the functions and needs of their respective departments. They are responsible for analyzing plans and projects and projecting their costs for inclusion the in CIP. They are also responsible for obtaining the input and approval of proposed projects by the various boards and commissions concerned with their activities. Along with information regarding each project, they are responsible for weighing each project and assigning a priority level which designates the projectôs criticality.

**Citizens of Marshall**
The citizens of Marshall have a responsibility to express their concerns and desires as they relate to the CIP through meeting with City Council, staff, and the various boards and advisory committees created by the City.

***How should projects be prioritized?***
This section provides a basis for determining first the significance of a project, and second how this project should be prioritized. Listed below are several criteria to assist in determining the significance of a project:

- relationship to Master Plan For Land Use
- relationship to City Council vision and goals
- relationship to overall community needs
- relationship to other projects
- necessary to fulfill any federal or state judicial or administrative requirements
- impact on annual operating and maintenance costs
- relationship to other community plans
- relationship to source and availability of funds
- relationship to overall fiscal policy and capabilities

Based on the significance of each project, the next step involves assigning a priority ranking to each project. The priority rankings are defined below:

Priority 1: Project cannot be postponed. It is partially completed, meets an emergency situation or the City is committed by contractual arrangement.

Priority 2: Project is important and should be carried out as scheduled so as to meet anticipated needs of a current program, to replace unsatisfactory facilities, or to maintain the a program at its current level of performance.

Priority 3: Project is needed to expand a program or facility; however, the project can wait until funds become available.

Priority 4: Project identified as ideal for operations but cannot yet be recommended for action. Can safely be deferred beyond the third (3rd) year of the six (6) year projection.

Prior projects already identified in the CIP should be thoroughly reviewed. The document containing the prior projects in the CIP is located in F:/USERS/SHARED/2010-2016 CIP/Prior Year CIP. Make certain that cost projections are updated. Make priority changes when necessary. Submit your updates manually (print out applicable pages and make hand-written corrections) to Finance, along with new project requests.

New projects should be submitted by completing the CIP New Project Request Form attached. The form is available in electronic format. Simply go to F:/USERS/SHARED/2010-2016 CIP/CIP New Project Request Form.

***Ongoing Maintenance Costs***

Please pay close attention to quantifying the impact proposed projects will have on operating and maintenance costs including personnel time, equipment, materials and supplies. If a savings will be realized from the project (example: project will reduce chemical costs by $1,000), this too should be quantified. This information should be included in the ñExplanation of Affect on Operationsò section of the project record.

# MEMORANDUM

**TO:** Sandra Bird, Clerk/Treasurer, Mayor Bruce Smith and City Council Members

**FROM:** Natalie Huestis, Planning & Zoning Administrator

**SUBJECT:** Planning Commission recommendation on 2010-2016 Capital Improvements Plan

At their regular meeting on November 11, 2009, commissioners received the draft Planning Commission portion of the 2010-2016 Capital Improvements Plan. At that time, commissioners had a brief discussion on priority rankings and the history behind splitting the CIP into a smaller version for Planning Commission review. A public hearing was then set and noticed appropriately for December 9, 2009.

At the December 9th meeting, no public was present and no public comments were heard on the CIP. After a presentation made by Sandra Bird explaining the general outlay of the CIP and the items within it, commissioners began deliberation on the document. Following are items in the document that the Planning Commission felt were issues:

- **Fire/Police: New Public Safety Facility** – Commissioners questioned what happened to the $100,000 for preliminary planning of the facility and why it had been removed from this years CIP. They felt that planning was the first step to building the new facility and were not aware that the planning portion had been completed. Until planning is completed, they felt the actual facility should be downgraded to a priority 2.
- **Parks: Brooks vs. Riverwalk** – Commissioners were in disagreement with CIP items pertaining to the Brooks having a higher priority ranking than CIP items pertaining to the Riverwalk items. Commissioners felt that the Riverwalk is an established, popular recreational activity for the community and quite possibly, local grants could cover up to 75% of the cost of the Phase V Riverwalk design. They felt if they had to rate items on "importance to the community", then the Riverwalk should come before the fairly new and still developing Brooks Nature Area.
- **Parks: Ketchum Park Restrooms** – Discussion was held on the popularity of the kids kingdom, community-wide, and although commissioners were aware of the vandalism issues surrounding restrooms at Ketchum Park, they felt that a new restroom facility near the playground was a necessity and it should be given a higher priority ranking.
- **Streets: New Sidewalk Installation** – Sidewalks are a major Planning Commission goal for the community; especially those sidewalks that are used by students. They felt this should be given a higher priority.
- **Recreation: Permanent Pavilion Grill at Sand Volleyball Courts** – The liability and necessity surrounding a grill at the courts was questioned.

Following discussion on the above items, the Planning Commission made the following motion:

**MOTION** by Oates, supported by Barrett, to recommend to the City Council that the Planning Commissions portion of the draft Capital Improvements Program for 2010-2016 be approved with the following changes:

1. **Fire/Police: New Public Safety Facility** – moved to #2 priority and add: $100,000 Preliminary Planning for New Public Safety Facility, #1 Priority
2. **Parks**: **Observation Deck Planning and Development and Master Plan for Brooks Nature Park** – moved to #3 priority
3. **Parks: Phase V Riverwalk Design** – moved to #2 priority
4. **Parks**: **Ketchum Park Restroom near Kids Kingdom** – moved to #2 priority
5. **Streets**: **New Sidewalk Installation** – moved to #2 priority (with emphasis on school routes)

On a voice vote; **MOTION CARRIED**.

**City of Marshall – Planning Commission**

# Capital Improvements Program

## Expenditures by Department/Fund

## City of Marshall - Planning Commission

# Capital Improvements Program

### Expenditures by Department/Fund

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| **ELECTRIC** | | | | | |
| Electric | Pearl Street Substation Upgrade | 3 | 25 | Electric Fund - Bond | The current equipment is reaching a size that if one transformer is out of service generation is utilized to prevent overloading the other transformer. Future distribution lines need to be 12kv and we are out of available breakers now. This project will depend on many variables and fits nicely into priority 3. If we don't have the money we probably don't have the need. |
| | | | | | ***Total Electric*** |
| | | | | | **TOTAL ELECTRIC FUND** |
| **DOWNTOWN DEVELOPMENT AUTHORITY** | | | | | |
| DDA | Mansion Street/North Alley Parking Lot Reconstruction | 2 | 30 | DDA Fund/General Fund | Remove concrete islands within parking lot, remove and replace asphalt, improve sub grade, improve drainage, restripe to increase number of parking spots and improve landscaping. |
| | | | | | ***Total DDA*** |
| | | | | | **TOTAL DDA FUND** |
| **LOCAL DEVELOPMENT FINANCE AUTHORITY** | | | | | |
| LDFA | Industrial Park Expansion | 4 | | LDFA Fund and Bonding | Need to move when 3-4 lots have been sold. Will be done in phases as well. |
| | | | | | ***Total LDFA*** |
| | | | | | **TOTAL LDFA FUND** |
| **MOTOR POOL** | | | | | |
| Motor Pool | Addition of one repair bay to existing DPW Building | 2 | 30 | Motor Pool STP Funding | The current facility (built in 1968) is used by both the Public Works department (Streets/Cemetery/Parks) and Marshall Public Schools. The combined needs require more space to facilitate equipment repairs, storage and provide appropriate rest room facilities. |
| | | | | | ***Total Motor Pool*** |
| | | | | | **TOTAL MOTOR POOL FUND** |
| **FIRE/POLICE** | | | | | |
| Fire/Police | New Public Safety Facility - Preliminary Planning | 1 | 1 | General Fund Reserves | Design for construction of new facility to house the fire, police and ambulance services. Current facility space limitations impact response times and staff safety issues. |
| Fire/Police | New Public Safety Facility | 2 | 50 | General Fund - Building Authority Bond | Construction of new facility to house the fire, police and ambulance services. Current facility space limitations impact response times and staff safety issues. |
| | | | | | ***Total Fire/Police*** |
| **PARKS** | | | | | |
| Parks | Phase V Riverwalk Design | 2 | 20 | General Fund | Design next phase of Kalamazoo Riverwalk extending from Kalamazoo Ave. westerly to Pearl St. sub-station area. |
| Parks | Ketchum Park Restroom near Kids Kingdom | 2 | 25 | General Fund | Install a restroom facility for Kids Kingdom Playground. |
| Parks | Observation Deck Planning and Development | 3 | 10 | General Fund 25%/DNR Grant 50%/CRP Grant 25% | Construct an observation deck in the Brooks Nature Area. This will allow individuals visiting the park the ability to enjoy the splendors of the lake view along with the wildlife and native plants that inhabits the park. |
| Parks | Master Plan for Brooks Nature Park | 3 | 10 | General Fund 50% and CRP Grant 50% | The study will give staff and the Brooks Nature Advisory Group direction on developing this land for public use. The following year the firm selected to develop the plan, will then provide construction documents and when funding becomes available, apply for the permits with the DEQ and DNR. Staff will have the documents necessary to be able to apply for grants. |
| Parks | Park Identification Signs | 3 | 25 | General Fund | Park identification signage for the city's major parks. Signs will promote unified identify for park system and enhance park properties. |
| Parks | Phase I Riverfront Park Development | 3 | 100 | General Fund 50% and DNR Grant 50% | Develop land east of City Garage following the Parks and Recreation Master Plan guidelines |
| Parks | Ketchum Park Parking Near Kids Kingdom | 3 | 25 | General Fund | Create additional parking at Ketchum Park on the south side at/near the Kids Kingdom playground area. |
| Parks | Riverwalk Connection to Ketchum Park | 3 | 30 | General Fund and DNR Grants | Riverwalk connection to Ketchum Park, County Park and the Fair Grounds. |
| Parks | Kalamazoo Riverfront Parks Planning | 3 | 30 | General Fund and DNR Grants | Develop land area for park and activity development as needs and funds are recognized. |
| Parks | Walnut Street Riverwalk | 3 | 50 | General Fund | Construct pedestrian walkway including sidewalk, bridge and lighting from Monroe through Walnut, then to Locust, then to Marshall House for Riverwalk connection. |
| Parks | South Ketchum Parking Lot Expansion | 3 | 10 | General Fund | With the addition of the Kids Kingdom current and future uses of the park area, additional parking is needed. The City could need to purchase additional property and then install storm sewer. |
| Parks | Ketchum Park Parking & Access | 4 | 20 | General Fund and DNR Grants | Construct 20 car parking area on Water Department property on the South side of Green Street. Construct bridge and boardwalk (400') across Rice Creek wetlands to provide improved access to the East end of Ketchum Park. |
| | | | | | ***Total Parks*** |

## City of Marshall - Planning Commission

# Capital Improvements Program

### Expenditures by Department/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| $0 | $0 | $2,000,000 | $2,000,000 | $0 | $0 | $0 | $4,000,000 | Anticipated load growth may substitute this project to service our customers is a safe efficient manner. |
| $0 | $0 | $2,000,000 | $2,000,000 | $0 | $0 | $0 | $4,000,000 | |
| | | | | | | | | |
| $0 | $0 | $2,000,000 | $2,000,000 | $0 | $0 | $0 | $4,000,000 | |
| | | | | | | | | |
| $50,000 | $0 | $0 | $0 | $0 | $0 | $0 | $50,000 | Reduce labor for snow removal and parking lot maintenance. |
| $50,000 | $0 | $0 | $0 | $0 | $0 | $0 | $50,000 | |
| | | | | | | | | |
| $50,000 | $0 | $0 | $0 | $0 | $0 | $0 | $50,000 | |
| | | | | | | | | |
| $0 | $0 | $0 | $0 | $0 | $6,000,000 | $0 | $6,000,000 | |
| $0 | $0 | $0 | $0 | $0 | $6,000,000 | $0 | $6,000,000 | |
| | | | | | | | | |
| $0 | $0 | $0 | $0 | $0 | $6,000,000 | $0 | $6,000,000 | |
| | | | | | | | | |
| $212,000 | $0 | $0 | $0 | $0 | $0 | $0 | $212,000 | Direct increase in utility costs offset by indirect/unknown savings due to efficiencies. |
| $212,000 | $0 | $0 | $0 | $0 | $0 | $0 | $212,000 | |
| | | | | | | | | |
| $212,000 | $0 | $0 | $0 | $0 | $0 | $0 | $212,000 | |
| | | | | | | | | |
| $100,000 | $0 | $0 | $0 | $0 | $0 | $0 | $100,000 | Improved safety and response times. |
| $3,000,000 | $0 | $0 | $0 | $0 | $0 | $0 | $3,000,000 | Improved safety and response times and increased costs approximately $100,000 per year |
| $3,100,000 | $0 | $0 | $0 | $0 | $0 | $0 | $3,100,000 | |
| | | | | | | | | |
| $0 | $0 | $40,000 | $0 | $0 | $0 | $0 | $40,000 | None; this is design phase only. |
| $0 | $0 | $0 | $0 | $0 | $88,000 | $0 | $88,000 | Increased maintenance and utility costs for restroom. |
| $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 | An enhancement for the Brooks Nature Area Park and guide to its continued development. |
| $0 | $6,000 | $0 | $0 | $0 | $0 | $0 | $6,000 | An enhancement for the Brooks Nature Area Park and guide to its continued development. |
| $0 | $0 | $12,000 | $0 | $0 | $0 | $0 | $12,000 | Increase to park maintenance |
| $0 | $75,000 | $0 | $0 | $0 | $0 | $0 | $75,000 | Increased maintenance area would have a direct increase on operational costs. |
| $0 | $4,000 | $0 | $0 | $0 | $0 | $0 | $4,000 | Increased maintenance costs for parking area. |
| $0 | $0 | $0 | $300,000 | $0 | $0 | $0 | $300,000 | Increased maintenance costs-no figures available. |
| $0 | $0 | $0 | $40,000 | $0 | $0 | $0 | $40,000 | Development into Riverfront will increase maintenance and operation costs. |
| $0 | $0 | $0 | $30,000 | $0 | $0 | $0 | $30,000 | Increase in operational costs-walkway will require periodic maintenance. |
| $0 | $0 | $0 | $52,000 | $0 | $0 | $0 | $52,000 | $500 increase in maintenance costs per year. |
| $0 | $0 | $0 | $0 | $0 | $40,000 | $0 | $40,000 | $500 increase in maintenance costs per year for striping, plowing, keeping bridge & boardwalk treated. |
| $10,000 | $85,000 | $52,000 | $422,000 | $0 | $128,000 | $0 | $697,000 | |

## City of Marshall - Planning Commission

# Capital Improvements Program

### Expenditures by Department/Fund

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| **PUBLIC SERVICES BUILDING OPERATIONS** | | | | | |
| PSB Operations | PSB Environmental Reclamation Project | 2 | | General Fund | 80% of the contaminated soils will be removed and a oxygenation agent added to stimulate bacterial action to hopefully eliminate the rest of the contamination. The area will be repaved and additional parking created to cap the area. There is approximately 2,000 yards of material to be removed and replaced. |
| | | | | | |
| | | | | | ***Total PSB Operations*** |
| **STREETS** | | | | | |
| Streets | New Sidewalk Installation | 2 | 25 | General Fund | Sidewalks include North Drive from Madison to Marshall Avenue, Pearl from Kalamazoo to Riverwalk Access, Forest Street, O'Keefe, and Woodruff Drives, Sherman from Pristanchia to Verona Road, Hobart from Kalamazoo to Brewer East Drive from Forest to Mann, Prospect where missing, Greenfield from Verona to Michigan, Birch and Mulberry where missing. |
| | | | | | ***Total Streets*** |
| | | | | | |
| | | | | | **TOTAL GENERAL FUND** |
| **RECREATION** | | | | | |
| Recreation | Permanent Pavilion/Grill at Sand Volleyball Courts | 3 | 25 | Recreation Fund | A covered pavilion w/ bricked in grill will be installed at the Sand Volleyball Courts located at the Marshall Athletic Field. Temporary pavilion was removed. This will make a nice shaded area for players and spectators as they await game time during regular league play and/or tournament play. |
| Recreation | Sherman Court Pond Nature Trail | 4 | 20 | Recreation Fund | Provide soft trails through natural area around pond. |
| | | | | | ***Total Recreation*** |
| | | | | | |
| | | | | | **TOTAL RECREATION FUND** |
| **GRAND TOTAL** | | | | | |

## City of Marshall - Planning Commission

# Capital Improvements Program

### Expenditures by Department/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| $30,000 | $0 | $0 | $0 | $0 | $0 | $0 | $30,000 | If city can get an industrial closure than maintenance costs associated with monitoring the site will be eliminated in future budgets. |
| | | | | | | | | |
| $30,000 | $0 | $0 | $0 | $0 | $0 | $0 | $30,000 | |
| | | | | | | | | |
| $30,000 | $30,000 | $30,000 | $30,000 | $30,000 | $30,000 | $0 | $180,000 | Increased cost in the form of sidewalk repairs |
| $30,000 | $30,000 | $30,000 | $30,000 | $30,000 | $30,000 | $0 | $180,000 | |
| | | | | | | | | |
| $3,170,000 | $115,000 | $82,000 | $452,000 | $30,000 | $158,000 | $0 | $4,007,000 | |
| | | | | | | | | |
| $0 | $0 | $7,000 | $0 | $0 | $0 | $0 | $7,000 | Pre-fabricated pavilion w/ grill will have low maintenance. May attract more sand volley ball rentals. |
| $0 | $0 | $0 | $5,000 | $5,000 | $5,000 | $0 | $15,000 | Minor maintenance cost increase. Direct cost associated with proper signage to minimize risk. |
| $0 | $0 | $7,000 | $5,000 | $5,000 | $5,000 | $0 | $22,000 | |
| | | | | | | | | |
| $0 | $0 | $7,000 | $5,000 | $5,000 | $5,000 | $0 | $22,000 | |
| | | | | | | | | |
| $3,432,000 | $115,000 | $2,089,000 | $2,457,000 | $35,000 | $6,163,000 | $0 | $14,291,000 | |

**City of Marshall – Planning Commission**

# Capital Improvements Program

## Expenditures by Priority/Fund

## City of Marshall - Planning Commission

# Capital Improvements Program

### Expenditures by Priority/Fund

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| **PRIORITY 1** | | | | | |
| Fire/Police | New Public Safety Facility - Preliminary Planning | 1 | 1 | General Fund Reserves | Design for construction of new facility to house the fire, police and ambulance services. Current facility space limitations impact response times and staff safety issues. |
| | | | | | ***Total General Fund Fund*** |
| | | | | | **TOTAL PRIORITY 1** |
| **PRIORITY 2** | | | | | |
| DDA | Mansion Street/North Alley Parking Lot Reconstruction | 2 | 30 | DDA Fund/General Fund | Remove concrete islands within parking lot, remove and replace asphalt, improve sub grade, improve drainage, restripe to increase number of parking spots and improve landscaping. |
| | | | | | ***Total DDA Fund*** |
| Motor Pool | Addition of one repair bay to existing DPW Building | 2 | 30 | Motor Pool STP Funding | The current facility (built in 1968) is used by both the Public Works department (Streets/Cemetery/Parks) and Marshall Public Schools. The combined needs require more space to facilitate equipment repairs, storage and provide appropriate rest room facilities. |
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| | | | | | ***Total General Fund*** |
| | | | | | **TOTAL PRIORITY 2** |
| **PRIORITY 3** | | | | | |
| Electric | Pearl Street Substation Upgrade | 3 | 25 | Electric Fund - Bond | The current equipment is reaching a size that if one transformer is out of service generation is utilized to prevent overloading the other transformer. Future distribution lines need to be 12kv and we are out of available breakers now. This project will depend on many variables and fits nicely into priority 3. If we don't have the money we probably don't have the need. |
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| Parks | Observation Deck Planning and Development | 3 | 10 | General Fund 25%/DNR Grant 50%/CRP Grant 25% | Construct an observation deck in the Brooks Nature Area. This will allow individuals visiting the park the ability to enjoy the splendors of the lake view along with the wildlife and native plants that inhabits the park. |
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| Parks | Riverwalk Connection to Ketchum Park | 3 | 30 | General Fund and DNR Grants | Riverwalk connection to Ketchum Park, County Park and the Fair Grounds. |
| Parks | Kalamazoo Riverfront Parks Planning | 3 | 30 | General Fund and DNR Grants | Develop land area for park and activity development as needs and funds are recognized. |
| Parks | Walnut Street Riverwalk | 3 | 50 | General Fund | Construct pedestrian walkway including sidewalk, bridge and lighting from Monroe through Walnut, then to Locust, then to Marshall House for Riverwalk connection. |
| Parks | South Ketchum Parking Lot Expansion | 3 | 10 | General Fund | With the addition of the Kids Kingdom current and future uses of the park area, additional parking is needed. The City could need to purchase additional property and then install storm sewer. |
| | | | | | ***Total General Fund*** |
| Recreation | Permanent Pavilion/Grill at Sand Volleyball Courts | 3 | 25 | Recreation Fund | A covered pavilion w/ bricked in grill will be installed at the Sand Volleyball Courts located at the Marshall Athletic Field. Temporary pavilion was removed. This will make a nice shaded area for players and spectators as they await game time during regular league play and/or tournament play. |
| | | | | | ***Total Recreation Fund*** |
| | | | | | **TOTAL PRIORITY 3** |

## City of Marshall - Planning Commission

# Capital Improvements Program

### Expenditures by Priority/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| $100,000 | $0 | $0 | $0 | $0 | $0 | $0 | $100,000 | Improved safety and response times. |
| $100,000 | $0 | $0 | $0 | $0 | $0 | $0 | $100,000 | |
| $100,000 | $0 | $0 | $0 | $0 | $0 | $0 | $100,000 | |
| | | | | | | | | |
| $50,000 | $0 | $0 | $0 | $0 | $0 | $0 | $50,000 | Reduce labor for snow removal and parking lot maintenance. |
| $50,000 | $0 | $0 | $0 | $0 | $0 | $0 | $50,000 | |
| $212,000 | $0 | $0 | $0 | $0 | $0 | $0 | $212,000 | Direct increase in utility costs offset by indirect/unknown savings due to efficiencies. |
| $212,000 | $0 | $0 | $0 | $0 | $0 | $0 | $212,000 | |
| $3,000,000 | $0 | $0 | $0 | $0 | $0 | $0 | $3,000,000 | Improved safety and response times and increased costs approximately $100,000 per year |
| $30,000 | $0 | $0 | $0 | $0 | $0 | $0 | $30,000 | If city can get an industrial closure than maintenance costs associated with monitoring the site will be eliminated in future budgets. |
| $0 | $0 | $40,000 | $0 | $0 | $0 | $0 | $40,000 | None; this is design phase only. |
| $0 | $0 | $0 | $0 | $0 | $88,000 | $0 | $88,000 | Increased maintenance and utility costs for restroom. |
| $30,000 | $30,000 | $30,000 | $30,000 | $30,000 | $30,000 | $0 | $180,000 | Increased cost in the form of sidewalk repairs |
| $3,060,000 | $30,000 | $70,000 | $30,000 | $30,000 | $118,000 | $0 | $3,338,000 | |
| | | | | | | | | |
| $3,322,000 | $30,000 | $70,000 | $30,000 | $30,000 | $118,000 | $0 | $3,600,000 | |
| | | | | | | | | |
| $0 | $0 | $2,000,000 | $2,000,000 | $0 | $0 | $0 | $4,000,000 | Anticipated load growth may substitute this project to service our customers is a safe efficient manner. |
| $0 | $0 | $2,000,000 | $2,000,000 | $0 | $0 | $0 | $4,000,000 | |
| $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 | An enhancement for the Brooks Nature Area Park and guide to its continued development. |
| $0 | $6,000 | $0 | $0 | $0 | $0 | $0 | $6,000 | An enhancement for the Brooks Nature Area Park and guide to its continued development. |
| $0 | $0 | $12,000 | $0 | $0 | $0 | $0 | $12,000 | Increase to park maintenance |
| $0 | $75,000 | $0 | $0 | $0 | $0 | $0 | $75,000 | Increased maintenance area would have a direct increase on operational costs. |
| $0 | $4,000 | $0 | $0 | $0 | $0 | $0 | $4,000 | Increased maintenance costs for parking area. |
| $0 | $0 | $0 | $300,000 | $0 | $0 | $0 | $300,000 | Increased maintenance costs-no figures available. |
| $0 | $0 | $0 | $40,000 | $0 | $0 | $0 | $40,000 | Development into Riverfront will increase maintenance and operation costs. |
| $0 | $0 | $0 | $30,000 | $0 | $0 | $0 | $30,000 | Increase in operational costs-walkway will require periodic maintenance. |
| $0 | $0 | $0 | $52,000 | $0 | $0 | $0 | $52,000 | $500 increase in maintenance costs per year. |
| $10,000 | $85,000 | $12,000 | $422,000 | $0 | $0 | $0 | $529,000 | |
| $0 | $0 | $7,000 | $0 | $0 | $0 | $0 | $7,000 | Pre-fabricated pavilion w/ grill will have low maintenance. May attract more sand volley ball rentals. |
| $0 | $0 | $7,000 | $0 | $0 | $0 | $0 | $7,000 | |
| $10,000 | $85,000 | $2,019,000 | $2,422,000 | $0 | $0 | $0 | $4,536,000 | |

## City of Marshall - Planning Commission

# Capital Improvements Program

### Expenditures by Priority/Fund

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| **PRIORITY 4** | | | | | |
| LDFA | Industrial Park Expansion | 4 | | LDFA Fund and Bonding | Need to move when 3-4 lots have been sold. Will be done in phases as well. |
| | | | | | ***Total LDFA Fund*** |
| Parks | Ketchum Park Parking & Access | 4 | 20 | General Fund and DNR Grants | Construct 20 car parking area on Water Department property on the South side of Green Street. Construct bridge and boardwalk (400') across Rice Creek wetlands to provide improved access to the East end of Ketchum Park. |
| | | | | | ***Total General Fund*** |
| Recreation | Sherman Court Pond Nature Trail | 4 | 20 | Recreation Fund | Provide soft trails through natural area around pond. |
| | | | | | ***Total Recreation Fund*** |
| | | | | | |
| | | | | | **TOTAL PRIORITY 4** |
| | | | | | |
| **GRAND TOTAL** | | | | | |

## City of Marshall - Planning Commission

# Capital Improvements Program

### Expenditures by Priority/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| $0 | $0 | $0 | $0 | $0 | $6,000,000 | $0 | $6,000,000 | |
| $0 | $0 | $0 | $0 | $0 | $6,000,000 | $0 | $6,000,000 | |
| $0 | $0 | $0 | $0 | $0 | $40,000 | $0 | $40,000 | $500 increase in maintenance costs per year for striping, plowing, keeping bridge & boardwalk treated. |
| $0 | $0 | $0 | $0 | $0 | $40,000 | $0 | $40,000 | |
| $0 | $0 | $0 | $5,000 | $5,000 | $5,000 | $0 | $15,000 | Minor maintenance cost increase. Direct cost associated with proper signage to minimize risk. |
| $0 | $0 | $0 | $5,000 | $5,000 | $5,000 | $0 | $15,000 | |
| | | | | | | | | |
| $0 | $0 | $0 | $5,000 | $5,000 | $6,045,000 | $0 | $6,055,000 | |
| | | | | | | | | |
| $3,432,000 | $115,000 | $2,089,000 | $2,457,000 | $35,000 | $6,163,000 | $0 | $14,291,000 | |

**City of Marshall – Planning Commission**

# Capital Improvements Program

## Priority Summary by Source of Funding

## City of Marshall - Planning Commission

# Capital Improvements Program

### Priority Summary by Source of Funding

| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PRIORITY 1** | | | | | | | | | | | |
| Fire/Police | New Public Safety Facility - Preliminary Planning | 1 | General Fund Reserves | $100,000 | $0 | $0 | $0 | $0 | $0 | $0 | $100,000 |
| | | | **Total Priority 1** | $100,000 | $0 | $0 | $0 | $0 | $0 | $0 | $100,000 |
| **PRIORITY 2** | | | | | | | | | | | |
| Downtown Development Authority | Mansion Street/North Alley Parking Lot Reconstruction | 2 | DDA/GF | $50,000 | $0 | $0 | $0 | $0 | $0 | $0 | $50,000 |
| Motor Pool | Addition of one repair bay to existing DPW Building | 2 | STP Funding | $212,000 | $0 | $0 | $0 | $0 | $0 | $0 | $212,000 |
| Fire/Police | New Public Safety Facility | 2 | General Fund - Building Authority Bond | $3,000,000 | $0 | $0 | $0 | $0 | $0 | $0 | $3,000,000 |
| PSB Operations | PSB Environmental Reclamation Project | 2 | GF | $30,000 | $0 | $0 | $0 | $0 | $0 | $0 | $30,000 |
| Parks | Phase V Riverwalk Design | 2 | GF | $0 | $0 | $40,000 | $0 | $0 | $0 | $0 | $40,000 |
| Parks | Ketchum Park Restroom near Kids Kingdom | 2 | GF | $0 | $0 | $0 | $0 | $0 | $88,000 | $0 | $88,000 |
| Streets | New Sidewalk Installation | 2 | GF | $30,000 | $30,000 | $30,000 | $30,000 | $30,000 | $30,000 | $0 | $180,000 |
| | | | **Total Priority 2** | $3,322,000 | $30,000 | $70,000 | $30,000 | $30,000 | $118,000 | $0 | $3,600,000 |
| **PRIORITY 3** | | | | | | | | | | | |
| Electric | Pearl Street Substation Upgrade | 3 | Elect - Bond | $0 | $0 | $2,000,000 | $2,000,000 | $0 | $0 | $0 | $4,000,000 |
| Parks | Observation Deck Planning and Development | 3 | GF 25%/DNR Grant 50%/CRP Grant 25% | $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 |
| Parks | Master Plan for Brooks Nature Park | 3 | GF 50%/CRP Grant 50% | $0 | $6,000 | $0 | $0 | $0 | $0 | $0 | $6,000 |
| Parks | Ketchum Park Parking Near Kids Kingdom | 3 | GF | $0 | $4,000 | $0 | $0 | $0 | $0 | $0 | $4,000 |
| Parks | Walnut Street Riverwalk | 3 | GF | $0 | $0 | $0 | $30,000 | $0 | $0 | $0 | $30,000 |
| Parks | South Ketchum Parking Lot Expansion | 3 | GF | $0 | $0 | $0 | $52,000 | $0 | $0 | $0 | $52,000 |
| Parks | Park Identification Signs | 3 | GF | $0 | $0 | $12,000 | $0 | $0 | $0 | $0 | $12,000 |

## City of Marshall - Planning Commission

# Capital Improvements Program

### Priority Summary by Source of Funding

| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Parks | Phase I Riverfront Park Development | 3 | GF 50%/DNR Grant 50% | $0 | $75,000 | $0 | $0 | $0 | $0 | $0 | $75,000 |
| Parks | Riverwalk Connection to Ketchum Park | 3 | GF/DNR Grants | $0 | $0 | $0 | $300,000 | $0 | $0 | $0 | $300,000 |
| Parks | Kalamazoo Riverfront Parks Planning | 3 | GF/DNR Grants | $0 | $0 | $0 | $40,000 | $0 | $0 | $0 | $40,000 |
| Recreation | Permanent Pavilion/Grill at Sand Volleyball Courts | 3 | Rec | $0 | $0 | $7,000 | $0 | $0 | $0 | $0 | $7,000 |
| | | | **Total Priority 3** | $10,000 | $85,000 | $2,019,000 | $2,422,000 | $0 | $0 | $0 | $4,536,000 |
| **PRIORITY 4** | | | | | | | | | | | |
| Parks | Ketchum Park Parking & Access | 4 | GF/DNR Grants | $0 | $0 | $0 | $0 | $0 | $40,000 | $0 | $40,000 |
| LDFA | Industrial Park Expansion | 4 | LDFA-Bond | $0 | $0 | $0 | $0 | $0 | $6,000,000 | $0 | $6,000,000 |
| Recreation | Sherman Court Pond Nature Trail | 4 | Rec | $0 | $0 | $0 | $5,000 | $5,000 | $5,000 | $0 | $15,000 |
| | | | **Total Priority 4** | $0 | $0 | $0 | $5,000 | $5,000 | $6,045,000 | $0 | $6,055,000 |
| | | | | | | | | | | | |
| **GRAND TOTAL** | | | | $3,432,000 | $115,000 | $2,089,000 | $2,457,000 | $35,000 | $6,163,000 | $0 | $14,291,000 |

**City of Marshall – Council**

# Capital Improvements Program

## Expenditures by Department/Fund

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Department/Fund

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| **AIRPORT** | | | | | |
| Airport | Taxiway Rehabilitation | 2 | 20 | Airport Fund 2 1/2%, FAA Allocation 95%, | Design Taxiway Rehabilitation and Entitlements used for Taxiway Rehabilitation. |
| | | | | | **TOTAL AIRPORT FUND** |
| Cemetery | Cemetery water distribution system | 2 | 20 | Cemetery Trust Fund and General Fund | Replacing the current water distribution system will eliminate line breaks which will result in reduced water usage as a result of the leaks. |
| Cemetery | Cemetery Road Paving Project | 3 | 20 | Cemetery Trust Fund and General Fund | Finishing the drives in the cemetery will provide a clean and solid surface during inclement weather for those visiting their loved ones during a funeral service. |
| | | | | | **TOTAL CEMETERY FUND** |
| **DATA PROCESSING** | | | | | |
| Data Processing | Microsoft Office Suite Upgrade | 2 | 4 | Data Processing Fund | Replace outdated word processing, spreadsheet and other software as technology changes. Microsoft Office 2007 30 licenses. |
| | | | | | **TOTAL DATA PROCESSING FUND** |
| **DOWNTOWN DEVELOPMENT AUTHORITY** | | | | | |
| DDA | Parking lot pavement sealing | 2 | 5 | DDA Fund | Pavement sealing program for all city owned or maintained parking lots to extend life of the pavement. 50/50 split Total cost $10,000 each year |
| | | | | | **TOTAL DDA FUND** |
| **ELECTRIC** | | | | | |
| Electric | Secondary Oil Containment | 1 | 20 | Electric Fund | Partially completed project of areas addressed in our Spill Prevention Control and Countermeasure Plan. Corrective actions needed to conform to state and federal standards, and for continued pollution liability coverage. |
| Electric | Switchgear Replacement | 1 | 25 | Electric Fund | This switchgear, which was installed in 1929, serves #1 & 3 Hydro and #2 Engine as well as emergency station power in the event of a blackout and backup electrical DC power. The gear is of the open bus design and utilizes oil-filled breakers for manually synchronizing the generators to the bus. The Short Circuit/Device Coordination/Arc Flash/Shock Hazard Study dated May 2009 marked this switchgear as an area of extreme danger as calculated by the IEEE standard 1584 and should not be approached with respect to the operations of switches. |
| Electric | Switchgear Expansion | 1 | 25 | Electric Fund | This switchgear expansion is for the additional feeder being built to the Industrial Park started in fiscal year 08/09. Partially completed project |
| Electric | Installation of Fiber | 1 | 25 | Electric Fund | This fiber optic cable is for the monitoring and operation of reclosures installed in the Industrial Park along with the additional feeder being built. Partially completed project. |
| Electric | Capacitor Banks | 2 | 20 | Electric Fund | To provide quality electricity to our customers while reducing kvar charges. |
| Electric | Raceway/Dam Maintenance | 2 | 20 | Electric Fund | Maintain the structures for safe & efficient operations to meet FERC mandates/licensing. This is a 5-year maintenance program of the concrete structures. |
| Electric | Plant Video Camera System | 2 | 20 | Electric Fund | Install video cameras outside the Power Plant & PSB for security purposes. |
| Electric | Replace Protective Relaying - Generators | 2 | 20 | Electric Fund | The Short Circuit/Device Coordination/Arc Flash/Shock Hazard Study dated May, 2009 recommends micro-processor based protective relaying be installed on generators that don't currently have protection. This relaying will open the circuit breaker in the event of a fault that could harm equipment and personnel. |
| Electric | Replace Protective Relaying - Transformers | 2 | 20 | Electric Fund | Microprocessor based protective relaying will be installed on transformers that do not currently have protection and replace current electro/mechanical relays on other transformers. This relaying will open the circuit breaker or breakers in the event of a fault that could harm equipment and personnel and provide feedback to the SCADA to assist the operator in locating or preventing faults. |
| Electric | Replace Protective Relaying - Distribution | 2 | 20 | Electric Fund | Microprocessor based protective relaying will be installed on all distribution circuits replacing electro/mechanical relays. This relaying will open the circuit breaker or breakers in the event of a fault that could harm equipment and personnel and provide feedback to the SCADA to assist the operator in locating or preventing outages. |
| Electric | Replace Pilot Wire Relaying | 2 | 10 | Electric Fund | These relays provide selective high-speed clearing of all faults on a protected line, using a pilot wire circuit to compare line currents at all terminals of the line. Simultaneous clearing at all terminals minimizes damage, permits high-speed re-closing and improves the stability of the system. |
| Electric | Air Compressor Replacement | 2 | 30 | Electric Fund | Replace one air compressor each of the years listed. This is necessary to maintain the air supply for proper control and starting of the diesel engines. |
| Electric | Meter / Relay Calibration | 2 | 3 | Electric Fund | Regular inspection and maintenance of relays is paramount in protecting electrical systems from unscheduled outages. Relays will nuisance trip when set too low or if not coordinated, the wrong relay may trip and bring down a large portion of the system. Many factors can influence the operation of protective relays. These include changes in load, replacement of equipment, dust or dirt from the environment or age. |
| Electric | Power House Roof Repairs | 2 | 25 | Electric Fund | Maintain existing facilities. |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Department/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| $0 | $8,625 | $0 | $0 | $0 | $0 | $360,750 | $369,375 | |
| $0 | $8,625 | $0 | $0 | $0 | $0 | $360,750 | $369,375 | |
| $0 | $45,000 | $0 | $0 | $0 | $0 | $0 | $45,000 | Will reduce water loss and maintenance costs due to the age of the current system. Needs to be done prior to road paving. |
| $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $0 | $0 | $50,000 | Will reduce the need to haul in gravel to build up the drives so that visitors to the cemetery will not be driving or stepping in the mud. |
| $10,000 | $55,000 | $10,000 | $10,000 | $10,000 | $0 | $0 | $95,000 | |
| | | | | | | | | |
| $20,000 | $0 | $0 | $0 | $0 | $0 | $0 | $20,000 | Potential for increased training costs for employees to learn new software. |
| $20,000 | $0 | $0 | $0 | $0 | $0 | $0 | $20,000 | |
| | | | | | | | | |
| $0 | $0 | $10,000 | $10,000 | $10,000 | $0 | $0 | $30,000 | Reduction in maintenance on deteriorating parking lots. |
| $0 | $0 | $10,000 | $10,000 | $10,000 | $0 | $0 | $30,000 | |
| | | | | | | | | |
| $25,000 | $0 | $0 | $0 | $0 | $0 | $0 | $25,000 | Cost savings in the event of an oil spill unknown. |
| $202,000 | $0 | $0 | $0 | $0 | $0 | $0 | $202,000 | Unknown savings in maintenance and operations. |
| $0 | $75,000 | $0 | $0 | $0 | $0 | $0 | $75,000 | For additional load growth. |
| $20,000 | $0 | $0 | $0 | $0 | $0 | $0 | $20,000 | Providing reliability and ability to better monitor electrical system. |
| $22,000 | $22,000 | $0 | $0 | $0 | $0 | $0 | $44,000 | Capacitors save money by releasing system capacity, reducing power losses, improving voltage conditions and eliminating power factor penalties. Power losses are directly connected to environmental load, lowering losses is also an environmental gain. |
| $0 | $15,000 | $0 | $15,000 | $0 | $15,000 | $0 | $45,000 | No direct cost or savings. $750 depreciation. |
| $15,000 | $0 | $0 | $0 | $0 | $0 | $0 | $15,000 | Possible increased cost for storing digital images on computer based on use. |
| $0 | $0 | $36,000 | $0 | $0 | $0 | $0 | $36,000 | Current generation has little or no protection at this time. |
| $0 | $0 | $17,000 | $0 | $0 | $0 | $0 | $17,000 | Replace electro/mechanical relays with microprocessor-based relays. This should reduce costs of calibration and maintenance and offer increased protection for equipment and personnel. |
| $0 | $48,000 | $48,000 | $0 | $0 | $0 | $0 | $96,000 | Replace electro/mechanical relays with microprocessor-based relays. This should reduce costs of calibration and maintenance and offer increased protection for equipment and personnel. |
| $32,000 | $0 | $0 | $0 | $0 | $0 | $0 | $32,000 | Replace relays to give the proper protection to the main tie lines between the Pearl Street Substation, South Substation and the Power Plant completing a project started in 2000. The current relays will be moved to provide updated relaying on transformers. |
| $0 | $15,000 | $15,000 | $15,000 | $0 | $0 | $0 | $45,000 | No direct cost or savings. $500 depreciation. |
| $25,000 | $0 | $0 | $25,000 | $0 | $0 | $0 | $50,000 | To provide a safe efficient operation we do meter calibration to maintain accuracy, relay calibration to maintain safety and protection of the distribution lines and infrastructure. |
| $0 | $0 | $50,000 | $0 | $0 | $0 | $0 | $50,000 | Deferring maintenance of the structure could result in more costly damage and repairs. |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Department/Fund

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| Electric | Automated Load Control of Hydro | 2 | 25 | Electric Fund | FERC & MDNR are requesting an automated Run of River operation be installed and maintained. This will maintain the water level through the hydro plant, even when unattended, to meet these requirements. |
| Electric | Upgrade Plant #1 House Power Panels | 2 | 30 | Electric Fund | Maintain the equipment for safe and efficient operation by upgrading fuse-type panels with newer circuit breaker panels through a 4-year program. Old panels and wiring have been in place for 50+ years and could become a fire hazard. |
| Electric | Upgrade Lube Oil Filter Systems on #2 & #5 Engines | 2 | 30 | Electric Fund | Upgrade piece meal systems with new, more efficient equipment. |
| Electric | Upgrade Lube Oil Heating Systems on #2 & #5 Engines | 2 | 30 | Electric Fund | Upgrade piece meal systems with new, more efficient equipment. |
| Electric | Upgrade Engine Protection Systems #2 & #5 | 2 | 20 | Electric Fund | To allow a small work force to operate the equipment as needed by MSCPA and the customers of the City of Marshall. |
| Electric | Engine #3 & #6 gauge panel replacement | 2 | 20 | Electric fund | One panel replacement each year will modernize control packages for engine control of the city's two newest, largest and most economical engines most requested to run by MSCPA. It will incorporate PLC control and graphic units using touch screen display, a data highway suitable for SCADA interface, one touch start/stop sequence, critical alarm and shutdown inputs, vibration monitoring and fuel/air ratio. |
| Electric | Overhaul East Well pump | 2 | 10 | Electric Fund | Recommended every 10 years by Peerless Midwest. Replace unsatisfactory facilities to maintain the agency program at current level of performance. This is recommended by yearly testing. |
| Electric | Overhaul West Well pump | 2 | 10 | Electric Fund | Recommended every 10 years by Peerless Midwest. Replace unsatisfactory facilities to maintain the agency program at current level of performance. This is recommended by yearly testing. |
| Electric | Overhaul #3 Engine Raw Water Pump | 2 | 10 | Electric Fund | This pump was originally installed in 1973 as part of the engine support system. The pump and motor were overhauled in 1996 and the pump only in 2003. Recommended service interval of 10 years as suggested by professional consultant. This is recommended by yearly testing. |
| Electric | Installation of Circuit Reclosers | 2 | 10 | Electric Fund | Reclosers will re-energize circuits automatically helping to increase overall system reliability and prevent temporary faults from becoming permanent outages by clearing the fault. This system will reduce customer outage time. An auto reclosure is a circuit breaker equipped with a mechanism that can automatically close the breaker after it has been opened due to a fault. |
| Electric | #2 Engine Water Pump Replacement | 2 | 50 | Electric Fund | New pump and motor assembly, electrical controls, piping and valves as needed will be purchased and installed by plant personnel. |
| Electric | Purchase Filter Pump for Load Tap Changers | 2 | 25 | Electric Fund | To maintain this equipment for safe and efficient operation. Load tap changer (LTC) is a mechanical switching device; they are the most expensive and vulnerable accessories on a power transformer and they cause more failures and outages than any other component of a power transformer. LTC function is to change turns ratio (regulate voltage) without interrupting the load current. LTC failures are categorized as electrical, mechanical, and thermal. Most of the failures are mechanical at the beginning and developed to electrical faults mainly occurring due to problems on the contacts, transition resistors, and insulation breakdowns. |
| Electric | Add Level Alarms to Engine Fuel Day Tanks | 2 | 50 | Electric Fund | To maintain this equipment for safe and efficient operation.<br>* This project was originally funded in the 07/08 budget but due to uncertain funds and manpower the project was not done, |
| Electric | Breaker Maintenance | 2 | 5 | Electric Fund | Circuit breakers are mechanical devices that require periodic maintenance to ensure proper operation. A popular misconception is that if a circuit breaker has not tripped due to an over current it is in original condition. In fact, a circuit breaker that sits without opening over long periods can have performance issues. The lubrication of the mechanism, which is vital for its proper operation, can degrade or dry over time and affect the circuit breaker's ability to operate properly. A circuit breaker also can be damaged or degraded after interrupting a fault. |
| Electric | Recondition #1 Hydro | 3 | 30 | Electric Fund | Improve the efficiency of the hydro power supply generated by the river flow. |
| Electric | Recondition #3 Hydro | 3 | 30 | Electric Fund | Improve the efficiency of the hydro power supply generated by the river flow. |
| Electric | Rewind Generator #2 | 3 | 30 | Electric Fund | The insulation is showing signs of aging. It is beginning to lose some of its insulating properties and will need to be replaced eventually in order to continue operating the equipment. |
| Electric | Rewind Generator #5 | 3 | 30 | Electric Fund | The insulation is showing signs of aging. It is beginning to lose some of its insulating properties and will need to be replaced eventually in order to continue operating the equipment. |
| Electric | Upgrade Transformer in South Substation | 4 | 30 | Electric Fund | The transformer is circa 1972 that tests okay as of now but will need replacement in the future. |
| Electric | Remove 2400 Volt Switchgear and rewind Hydros | 4 | 25 | Electric Fund | Maintain electrical facilities. |
| Electric | Retrofit Breakers in Plant #1 Switchgear | 4 | 30 | Electric Fund | Switchgear is 1950's vintage that tests okay now but will need replacement in the future. Retrofitting of modern breakers in place of original is deemed to be the most cost effective way of bringing old gear up to date. |
| | | | | | **TOTAL ELECTRIC FUND** |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Department/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| $50,000 | $50,000 | $0 | $0 | $0 | $0 | $0 | $100,000 | No direct cost. Indirect savings by meeting FERC licensing recommendations. |
| $7,500 | $7,500 | $75,000 | $0 | $0 | $0 | $0 | $90,000 | No direct cost or savings. |
| $7,500 | $7,500 | $0 | $0 | $0 | $0 | $0 | $15,000 | Reduction in electric usage/charges due to a more energy efficient system. Indirect savings due to better filtering of the lube oils (use oil longer; less wear on the equipment). |
| $5,000 | $5,000 | $0 | $0 | $0 | $0 | $0 | $10,000 | Reduction in electric usage/charges due to a more energy efficient system. |
| $15,000 | $15,000 | $0 | $0 | $0 | $0 | $0 | $30,000 | Due to the limited work force and the anticipated equipment, it is felt engine protection systems should be upgraded closer to today's standards and technology. With only one operator per shift, it is difficult to be with all of the engines at the same time and to catch a sudden drop in pressure or an increase in temperature before damage is done. |
| $0 | $80,000 | $80,000 | $0 | $0 | $0 | $0 | $160,000 | Presumed savings unknown. |
| $0 | $15,000 | $0 | $0 | $0 | $0 | $0 | $15,000 | $1500 depreciation expense annually |
| $0 | $0 | $0 | $15,000 | $0 | $0 | $0 | $15,000 | $1,500 depreciation per year |
| $12,000 | $0 | $0 | $0 | $0 | $0 | $0 | $12,000 | No direct cost or savings; will maintain generating equipment for safe and efficient operation. |
| $20,000 | $22,000 | $0 | $0 | $0 | $0 | $0 | $42,000 | Reduction of customer outage time. |
| $7,500 | $0 | $0 | $0 | $0 | $0 | $0 | $7,500 | Replacement of a fifty year old pump that is failing. This is the main cooling source for this engine; if it were to fail, the engine would no longer be available until repairs could be made. |
| $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 | $3,000 to $5,000 per year. This will allow our crews to maintain the insulating oil and do maintenance inspections on the load tap changers of the main transformers at Pearl Street Substation rather than contracting with outside firms. |
| $8,250 | $0 | $0 | $0 | $0 | $0 | $0 | $8,250 | To maintain the fuel supply needed for proper operation of the diesel engines. The current tanks have antiquated level alarms at best and need to be updated. This should also help with insurance issues. |
| $0 | $0 | $0 | $0 | $25,000 | $0 | $0 | $25,000 | To provide a safe efficient operation breakers are disassembled, inspected, cleaned, lubricated, reassembled and tested to ensure proper operation. If a breaker were to fail, major damage to switchgear, buildings and possibly employees could be expected. |
| $0 | $0 | $0 | $75,000 | $0 | $0 | $0 | $75,000 | $2,500 depreciation expense per year. |
| $0 | $0 | $0 | $0 | $75,000 | $0 | $0 | $75,000 | $2,500 depreciation expense per year. |
| $0 | $120,000 | $0 | $0 | $0 | $0 | $0 | $120,000 | $4,000 depreciation expense per year. |
| $0 | $0 | $132,000 | $0 | $0 | $0 | $0 | $132,000 | $4,400 depreciation expense per year. |
| $0 | $200,000 | $0 | $0 | $0 | $0 | $0 | $200,000 | No direct cost or savings. $6,666 depreciation. |
| $0 | $0 | $100,000 | $100,000 | $0 | $0 | $0 | $200,000 | $8,000 depreciation expense per year. |
| $50,000 | $50,000 | $0 | $0 | $0 | $0 | $0 | $100,000 | No direct cost or savings. $3,333 depreciation. |
| $533,750 | $747,000 | $553,000 | $245,000 | $100,000 | $15,000 | $0 | $2,193,750 | |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Department/Fund

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| **GENERAL FUND** | | | | | |
| Clerk-Treasurer | Mailer Stuffer Equipment for Utility Billing and Tax Billing Statements | 2 | 10 | General Fund-15%, Electric Fund-42.5%, Wastewater Fund-21.25%, Water Fund-21.25% | Current equipment is 10+ years old and is not working properly. Service calls are routinely made (about 25-30% of all billing cycles), with a service technician performing repair/re-start services on-site. |
| Clerk-Treasurer | Accounting Software Upgrade | 3 | 5 | General Fund | Over time technology generally requires significant upgrades to existing software. Replace all accounting software with upgrades and interfaced modules to meet needs of the department. Pricing ranges from an estimated $40,000 to $60,000. |
| Fire | Personal Alert Safety System (P.A.S.S. Device) Replacement | 1 | 5 | General Fund | P.A.S.S. devices attached to turn out gear, are a means by which if a fire fighter becomes incapacitated, trapped, or disoriented, the device can activate an audible alarm, either automatically (motionless for 30 seconds) or manually (by the fire fighter), to let others know that the fire fighter is in distress and needs assistance. Our P.A.S.S. devices currently have a time weighted thermal exposure alarm (so many degrees times so many minutes), too. This notifies the fire fighter that they are in an atmosphere that ös exceeding the protection limits of their turn out gear. This project is renewed every 5 years to be in compliance with manufacturer's recommendation and MIOSHA standards. |
| Fire | Fire Pager Replacement (Motorola Minitor V model) | 1 | 15 | General Fund | This year is the final year of a 3 year project to upgrade our pagers. The Federal Communication Commission has enacted a narrowing of the V.H.F radio frequency band that these pagers operate on. This will eliminate the Minitor IIös from being a functional fire pager. It is unknown at this time if the technology in the Minitor IIIös and IVös will work with all paging options. It is a ñtrial by fireò to see if they will work or not, but only after the bands have been narrowed will this information be identified. The Minitor Vös are compliant with the 2011 promulgated rules of the F.C.C. Our staffing level full-time and part-paid fire fighters is set at 38. With the 28 Minitor Vös that we currently have, we will have a need of 10 pagers to be purchased. Each pager comes with a purchased 5 year warranty. The quoted price was dated for August of 2009. An expected price increase has been incorporated into the stated C.I.P proposal of approximately 5% . |
| Fire | Hurst Jaws-of-Life Replacement Cutter | 1 | 20 | General Fund or AAA Insurance Grant for 2010 | When automobile safety became a real concern to the automotive industry, engineers began using exotic metals or special fabrication techniques to ñbeefòup the strength of the pillars or posts that support the roof of the vehicle. By doing this, they have effectively rendered our present cutters useless in our ability to cut through these pillars or posts to remove the roof of a vehicle to gain access to the entrapped occupants of a motor vehicle accident. With the purchase of the more powerful cutters, this will allow us to be able to continue this evolution in extrication in a safe and efficient manner, thus saving precious time and the lives of those trapped in the wreckage. |
| Fire | Structural Fire Fighting Protective Clothing Purchase | 1 | 10 | General Fund or FEMA Grant with a 5% match | With our turn-out gear being quickly outdated and non-compliant, it is imperative to set up a program to not only keep our fire fighters in current gear but to lesson the financial burden of having to make a one time purchase. This CIP should be placed in perpetuity so as to keep up with the ever changing standards and rules for protective clothing. |
| Fire | Radio Replacement | 2 | 20 | General Fund | The Marshall Fire Department has 6 mobile and 7 portable radios that are not capable of narrow banding. When the FCC begins this process, the 13 radios listed will lose about half of their ability to transmit and receive messages. There is also an estimated 3% per year increase in cost, which has been included. |
| Parks | North Ketchum Park Time Locks With New Doors | 2 | 30 | General Fund | The restrooms have been vandalized so many times the frames and doors need to be replaced and time lock added. The time lock will allow the bathroom doors to lock at a preset time. The bathrooms are being changed to unisex so they will have a occupied/unoccupied lock set. Pull handle on the outside. |
| Parks | Paving north Ketchum Park parking lot | 3 | 20 | General Fund | Asphalt paving of parking lot adjacent to skate park, play structure and restrooms located in north Ketchum Park. |
| Parks | Purchase New Playground Equipment | 4 | 25 | General Fund | New playground equipment will be needed to replace equipment and to meet accessibility standards as indicated in the Parks & Rec Master Plan. |
| Police | Protective Body Armor | 1 | 5 | General Fund | The protective body armor is used daily by officers in uniform. It is the policy of the Marshall Police Department to wear protective body armor while in uniform. It is a required purchase for the department to provide the needed safety to perform their duties. The life span of the protective vests is 5 years. |
| Police | Mobile Laptop Computers | 2 | 5 | General Fund or 911 fees or drug forfeiture funds | We currently have 6 laptop computers for patrol operations. The computers are a vital source of information for the patrol operations. The computers will be more of an asset once the new 911 Center is in operation as the officers will utilize the computers to interact with dispatch operations on a frequent basis. The laptops will also be utilized to interact with the Law Enforcement Information Network (LEIN). This is utilized for driving records, warrant information, officer safety bulletins, and Amber Alerts. The computers additionally will allow officers to complete reports while in the vehicles which provide visibility to citizens. The eventual direction of the agency is to have the ability to have programs installed in the computers to issue citations paperless to the court system and have accident reports completed paperless to the records management system. |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Department/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| $10,300 | $0 | $0 | $0 | $0 | $0 | $1,000 | $11,300 | There are approximately 55,000 utility bills and 10,000 tax statements stuffed/mailed annually. Will increase efficiency in staff time and reduce down-time related to maintenance/repair service calls. |
| $0 | $0 | $64,315 | $0 | $0 | $0 | $0 | $64,315 | Complete interface will reduce staff time spent on manual entries. Annual maintenance cost may actually be reduced slightly. |
| $10,325 | $0 | $0 | $0 | $0 | $12,250 | $0 | $22,575 | Our current inventory of P.A.S.S. Devices, purchased in 2004, are quickly reaching their end of life. Grace Industries, the manufacturer of our Super PASS II, lists in their instruction and maintenance guide that the device needs to be retired from service 3-5 years from the date of purchase, depending on use and abuse. This is supported by N.F.P.A 1982, 2007 edition and is adopted by MIOSHO by reference (1998 edition) in Part 74, Standards for Fire Fighting. |
| $5,750 | $0 | $0 | $0 | $0 | $0 | $0 | $5,750 | Currently a portion of our fire pagers are or are becoming obsolete and non-supported by the manufacturer and by the federal communications commission, narrowing of the banding of V.H.F. frequencies. The pagers are used to notify off-duty and part-paid firefighters of an emergency response request. |
| $6,000 | $0 | $0 | $0 | $0 | $0 | $0 | $6,000 | Our present cutter, a part of the Hurst Jaws of Life vehicle extrication ensemble, originally purchased in the late 1980 6s, no longer possesses the ability to cut through the materials that the today6s automobiles are being manufactured with. A newer version of this tool is available for purchase and works with our current hydraulic system. This tool will allow us to continue to extricate persons from wreckage in a safe and expeditious manner. |
| $8,500 | $9,000 | $9,500 | $10,000 | $10,500 | $11,000 | $0 | $58,500 | Currently the State of Michigan has mandated that all structural fire fighting protective clothing must meet or exceed the 2000 edition of the National Fire Protection Association's standard for structural fire fighting protective clothing, 24 of our fire fighters have this gear. 10 of our fire fighters are issued the 1997 edition of the N.F.P.A. standard for gear or in a combination thereof. |
| $0 | $10,300 | $0 | $0 | $0 | $0 | $0 | $10,300 | In 2013 the FCC will begin narrow banding the VHF frequency that the Marshall Fire Department is currently using. When that takes place, it will become difficult to communicate with the surrounding Townships. That inability to communicate becomes a safety issue when fire department personnel are unable to receive critical information in a timely manner. Not being able to transmit or receive safety warnings places our personnel at great risk, both on the way to the fire and on the fire ground. |
| $8,000 | $0 | $0 | $0 | $0 | $0 | $0 | $8,000 | Reduce maintenance costs due to vandalism. |
| $0 | $0 | $0 | $18,000 | $0 | $0 | $0 | $18,000 | $300 increase in maintenance costs per year. |
| $0 | $0 | $0 | $0 | $0 | $45,000 | $0 | $45,000 | No effect on operational revenues and expenditures anticipated. |
| $5,000 | $0 | $5,000 | $0 | $5,000 | $0 | $0 | $15,000 | Required uniform equipment for the officer6s protection. |
| $0 | $5,333 | $0 | $5,333 | $0 | $5,334 | $2,000 | $18,000 | These are recurring expenditures for laptops in the vehicles. The computers allow communications with dispatch that allow complaint calls to be sent via computers to alleviate congestion on the radio system. Officers are more efficient with report writing capabilities while on the streets and to have access to LEIN information while on patrol. This will also provide a cost saving due to effectiveness and time savings in report writing management. |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Department/Fund

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| Police | Forensic Equipment | 2 | 10 | General Fund or Grant | Items to be purchased: 1) 30 òDrying Cabinet for blood stained or biological evidence to be dried in a controlled and sterile environment. 2)Down flow Station where officers can process evidence using different powders with reduced risk of inhaling the powders. 3)Ductless Fuming Chamber is used by officers processing evidence using chemicals that can pose a health risk if not used in proper ventilation. This request is based on several factors. Currently the Marshall Police Department has no acceptable procedure to properly process, dry, or retain evidence collected that contains biological fluids. This poses a hazard to the officers, and to anyone that may become in contact with the evidence. There is also the risk of airborne contamination to the evidence by drying the evidence in open air. This would have the ability to contaminate DNA evidence which may become a factor during trials. The other equipment to be purchased is used in industry standards to provide optimal results for testing and developing evidence while providing health safety to the officers. The purchase of the above listed equipment also enhances the ability to obtain results quicker which provides cases to be expedited therefore reducing the amount of time to develop and arrest potential suspects. Training for this equipment and processing techniques will be done internally and will not induce more expenses to the agency. |
| Police | Police Vehicle Changeover | 4 | 15 | General Fund | The Marshall Police Department will need to purchase new passenger cages, laptop mounts, video camera mounts, LED emergency lighting, and possible consoles for the new vehicles. The listed equipment is required for job function and safety to the public as well as the officers. |
| PSB Operations | PSB Parking Lot and Drive Crack Filling, Patching, and Sealing | 2 | 20 | Department Cost Allocation/Rents | The parking lot is to the point where it needs to under go some major repairs. Staff is suggesting a two prong approach; the first year, cut out the areas with major damage, and then the following year cap the whole parking lot with approximately an inch of asphalt. |
| Town Hall | Windows | 1 | 30 | General Fund | Repair North & West windows and install interior storms. |
| Town Hall | Town Hall Repairs | 2 | 10 | General Fund | Various repairs to Town Hall:<br>-building wall at rear public entrance;<br>-roof above gas water heater in police garage leaking;<br>-exterior windows peeling and some window sills need replacing.<br>Upon completion of repairs, paint all windows, trim and police garage. |
| Town Hall | Soft Water System for Town Hall | 3 | 10 | General Fund | This project will improve the water quality throughout Town Hall. While our water supply in the City of Marshall is very good, the delivery of the water is equally important. In other words, we must upgrade the pipes to ensure good, quality water. The project will also include the replacement of water pipes in the basement of Town Hall that are badly deteriorated and soon to fail. We can ill afford to flood the basement of this building. |
| | | | | | **TOTAL GENERAL FUND** |
| **MARSHALL HOUSE** | | | | | |
| Marshall House | Trash Compactor | 1 | 20 | Marshall House Fund | Trash compactor is original to the building, hard to find parts or parts needed to be made for a breakdown. |
| Marshall House | ADA Tub-Shower Combinations & Vinyl Floor Covering | 1 | 25 | Marshall House Fund | Replacement of current tubs which are unsafe, with ADA compliant tub-shower combinations and update vinyl floor as needed on move outs. |
| Marshall House | Electric Wall Heaters (10) | 2 | 30 | Marshall House Fund | There are 10 wall heaters in the common areas. Current units are 30 years old and starting to fail. Replacement parts are not available. |
| Marshall House | Kitchen Replacement | 3 | 15 | Marshall House Fund - Bond Issuance Building Authority | Remove old and replace with new cabinets, countertops and floor coverings with vinyl base. Current items from original construction in 1979. |
| Marshall House | Replace Elevators | 4 | 25 | Marshall House Fund - Bond Issuance Building Authority | Existing elevators (2) are experiencing problems with the jack assemblies and power units that do not pose a safety concern but are troubling to the tenants. The life expectancy on many elevator parts is 25 years. These are the original elevators installed in 1979. Replacing the worn parts is nearly the same cost as complete replacement. |
| | | | | | **TOTAL MARSHALL HOUSE FUND** |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Department/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| $0 | $9,000 | $0 | $0 | $0 | $0 | $0 | $9,000 | This will provide expedition with case investigations. This also addresses officer safety dealing with biological fluids, chemical exposures, and exposures to powders. |
| $0 | $0 | $10,000 | $0 | $0 | $0 | $2,000 | $12,000 | The Ford Crown Victoria will probably cease to exist in 2012. Therefore the emergency equipment currently installed in the Ford Crown Victoria will not be compatible with a new design vehicle yet to be determined. |
| $22,000 | $0 | $0 | $0 | $0 | $0 | $0 | $22,000 | |
| $12,000 | $12,000 | $12,000 | $0 | $0 | $0 | $0 | $36,000 | Energy efficiency |
| $0 | $13,500 | $0 | $0 | $0 | $0 | $0 | $13,500 | None given. |
| $0 | $27,850 | $0 | $0 | $0 | $0 | $0 | $27,850 | The water system throughout Town Hall is extremely old and consists of a myriad of aged pipes. We have been told that a soft water system will extend the life of these water tanks by many years. The service located in the basement is presently galvanized and is soon going to need to be replaced because it is deteriorating so badly. The cost to install the water softener system includes replacement of the old pipes located in the basement. Reduce cleaning of fixtures. |
| $87,875 | $86,983 | $100,815 | $33,333 | $15,500 | $73,584 | $5,000 | $403,090 | |
| | | | | | | | | |
| $14,384 | $0 | $0 | $0 | $0 | $0 | $0 | $14,384 | Trash compactor is original to the building, hard to find parts or parts need to be made for a breakdown. |
| $9,000 | $9,000 | $9,000 | $9,000 | $9,000 | $9,000 | $0 | $54,000 | $360 depreciation expense annually over 10 years. |
| $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 | Depreciation expense of $333 annually. |
| $561,200 | $0 | $0 | $0 | $0 | $0 | $0 | $561,200 | Depreciation expense of $37,414 annually. Repayment of principal and interest estimated at $30,000 per year for 15 year debt issue. |
| $0 | $363,500 | $0 | $0 | $0 | $0 | $0 | $363,500 | Depreciation expense of $14,540 annually. |
| $594,584 | $372,500 | $9,000 | $9,000 | $9,000 | $9,000 | $0 | $1,003,084 | |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Department/Fund

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| **MOTOR POOL** | | | | | |
| Motor Pool | Tire Changer | 2 | 20 | Motor Pool Capital | The current piece of equipment has run out its useful life and cannot be used for changing truck tires. Staff has saved time by not having to take vehicle tires to local vendors to have them changed out. Tires can be changed by the mechanic(s) while the vehicle is in for service. |
| Motor Pool | Painting of DPW Building | 3 | 10 | Motor Pool and Schools | The finish is fading on the exterior walls and there are holes that need to be sealed up to prevent water damage. The surface of the metal siding needs to be washed, primed, and finish. |
| Motor Pool - Equipment | Leaf Loader Refurbishing | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2002 Skid Steer | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1989 Ford Backhoe | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1991 JD Loader | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1998 International 2 1/2 T Dump Truck | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1996 International 2 1/2 T Dump Truck | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1998 Ford 1 T Dump Truck | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2000 Broom Bear Sweeper | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1991 Brush Chipper | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2006 Sterling Vactor | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2002 International Versalift Bucket Truck | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1997 Ford 1 T Dump Truck | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1998 Jeep Cherokee | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1997 Ford Taurus | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2005 Crown Victoria | 1 | 3 | | |
| Motor Pool - Equipment | Replace 1998 Escort Station Wagon | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1999 Dodge 4WD Pickup | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1999 Dodge 4WD Pickup | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1996 Dodge Pickup | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1999 Dodge Van | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1995 Ford 4WD Pickup | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1997 Ford F-150 Pickup | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2008 Crown Victoria | 1 | 3 | | |
| Motor Pool - Equipment | Replace 2006 Crown Victoria | 1 | 3 | | |
| Motor Pool - Equipment | Replace Zero Turn Mowers | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2001 Ford Windstar Van | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2000 Dodge 4WD Pickup | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2000 Ford 1 T F-450 | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2000 Ford 2 1/2 T Dump Truck | 1 | 10 | | |
| Motor Pool - Equipment | Replace Cat Loader | 1 | 10 | | |
| | | | | | **TOTAL MOTOR POOL FUND** |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Department/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| $7,000 | $0 | $0 | $0 | $0 | $0 | $0 | $7,000 | Will reduce labor costs. |
| $8,000 | $0 | $0 | $0 | $0 | $0 | $0 | $8,000 | Preserve the building through preventive maintenance and thereby reducing the possibility of any future major repairs. |
| $60,000 | $0 | $60,000 | $0 | $60,000 | $0 | $0 | $180,000 | Depreciation |
| $0 | $45,000 | $0 | $0 | $0 | $0 | $0 | $45,000 | Depreciation |
| $0 | $125,000 | $0 | $0 | $0 | $0 | $0 | $125,000 | Depreciation |
| $0 | $100,000 | $100,000 | $0 | $0 | $0 | $0 | $200,000 | Depreciation |
| $0 | $0 | $0 | $110,000 | $0 | $0 | $0 | $110,000 | Depreciation |
| $0 | $110,000 | $0 | $0 | $0 | $0 | $0 | $110,000 | Depreciation |
| $0 | $0 | $56,000 | $0 | $0 | $0 | $0 | $56,000 | Depreciation |
| $200,000 | $0 | $0 | $0 | $0 | $0 | $0 | $200,000 | Depreciation |
| $0 | $0 | $0 | $55,000 | $0 | $0 | $0 | $55,000 | Depreciation |
| $0 | $200,000 | $0 | $0 | $0 | $0 | $0 | $200,000 | Depreciation |
| $0 | $0 | $0 | $185,000 | $0 | $0 | $0 | $185,000 | Depreciation |
| $0 | $50,000 | $0 | $0 | $0 | $0 | $0 | $50,000 | Depreciation |
| $0 | $0 | $19,700 | $0 | $0 | $0 | $0 | $19,700 | Depreciation |
| $18,500 | $0 | $0 | $0 | $0 | $0 | $0 | $18,500 | Depreciation |
| $0 | $22,000 | $0 | $0 | $0 | $0 | $0 | $22,000 | Depreciation |
| $0 | $19,100 | $0 | $0 | $0 | $0 | $0 | $19,100 | Depreciation |
| $0 | $0 | $0 | $25,000 | $0 | $0 | $0 | $25,000 | Depreciation |
| $0 | $0 | $0 | $25,000 | $0 | $0 | $0 | $25,000 | Depreciation |
| $18,000 | $0 | $0 | $0 | $0 | $0 | $0 | $18,000 | Depreciation |
| $0 | $0 | $0 | $20,300 | $0 | $0 | $0 | $20,300 | Depreciation |
| $25,000 | $0 | $0 | $0 | $0 | $0 | $0 | $25,000 | Depreciation |
| $18,000 | $0 | $0 | $0 | $0 | $0 | $0 | $18,000 | Depreciation |
| $0 | $0 | $0 | $22,000 | $0 | $0 | $0 | $22,000 | Depreciation |
| $0 | $0 | $22,000 | $0 | $0 | $0 | $0 | $22,000 | Depreciation |
| $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $0 | $120,000 | Depreciation |
| $0 | $0 | $0 | $0 | $23,000 | $0 | $0 | $23,000 | Depreciation |
| $0 | $0 | $0 | $0 | $23,185 | $0 | $0 | $23,185 | Depreciation |
| $0 | $0 | $0 | $0 | $56,000 | $0 | $0 | $56,000 | Depreciation |
| $0 | $0 | $0 | $0 | $110,000 | $0 | $0 | $110,000 | Depreciation |
| $0 | $0 | $0 | $0 | $100,000 | $100,000 | $0 | $200,000 | Depreciation |
| $374,500 | $691,100 | $277,700 | $462,300 | $392,185 | $120,000 | $0 | $2,317,785 | |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Department/Fund

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| **RECREATION** | | | | | |
| Recreation | Replace Current Digital Duplicator | 2 | 10 | Recreation Fund 70%; General Fund 30% | This is an essential piece of equipment for our Department. Although, we are utilizing paperless forms of marketing, flyers and other publications to the classrooms at Marshall Public Schools and Marshall Academy continues to be our most effective means of informing the community of Recreation Department Programs. |
| Recreation | Fence Guard & Outfield Screening #1 & #2 | 2 | 15 | Recreation Fund | Replace current fence guard which has reached its life expectancy and is in poor condition with holes and missing sections. Safe-Top Fence Guard helps to reduce chain link injuries while adding sparkle to the facility. Outfield windscreens will transform metal fencing into an attractive colorful outfield. |
| Recreation | Removal of Wooden Bleachers/ Press Box at Athletic Field | 2 | n/a | Recreation Fund | Contract with an excavating company to remove old wooden bleachers and press box previously used by the communities jr. football program. (west side of the facility) Bleachers are in disrepair and are a safety concern. Since 2006-07 when the Department received significant funding from the Cronin Foundation for Athletic Field renovations the Department has made efforts to keep the facility well maintained and looking sharp. |
| Recreation | Permanent Fencing on #3 & #4 | 3 | 40 | Recreation Fund | Permanent fencing on diamonds #3 & #4 is needed to expand the recreation program. With this renovation usage could extend beyond youth baseball into the area of women's and youth fastpitch. This addition will expand the professional element of this facility. |
| Recreation | Replacement of Athletic Field Light System | 3 | 15 | Recreation Fund - Bond | The current lights on diamond #1 & #2 are approaching the end of their expected life. The entire system should be replaced. |
| Recreation | Seal Coating & Striping Athletic Field Parking Lot | 3 | 5 | Recreation Fund | Seal coating the asphalt parking lot of the Athletic Field. Over $62,000 of grant money was used to pave the parking lot in the summer of 2007. Seal coating is general maintenance to ensure the life of the parking lot and will help protect the investment made by the City of Marshall and the Cronin Foundation. |
| Recreation | Athletic Field Sign | 4 | 20 | Recreation Fund | The purchase of signage at the Athletic Field Complex would provide identification for those traveling to Marshall to use the facility and provide identification as a City of Marshall facility. Signage would also add a touch of professionalism. |
| Recreation | Dug Outs | 4 | 10 | Recreation Fund | To complete recent renovations to Athletic Field, dug outs for diamonds #1 & #2 can provide additional safety and protection to players, add a professional element to the facility and will be visually pleasing which may help expand programming. |
| Recreation | Sprinkler System Diamond #3 & #4 | 4 | 50 | Recreation Fund | Irrigation on diamonds #3 & #4 would be the final step in the effort to expand the recreation department at this facility. With this addition usage could include adult women's & JO fastpitch leagues and tournaments. In addition, it will greatly enhance play in various youth leagues which are the primary users on these diamonds. |
| | | | | | **TOTAL RECREATION FUND** |
| **STREETS** | | | | | |
| Streets | Sidewalk Repair | 2 | 25 | General Fund | Repair to existing sidewalks throughout the City. |
| Streets | Union Street Drainage Improvements | 2 | 20 | General Fund | There has been an ongoing drainage issue at the corner of Mulberry Street and Union Street for some time. Project will increase capacity of drainage basin on Union Street and install protective fence. |
| Streets | Storage Rack for Salt Spreaders and Dump Box Covers | 2 | 30 | General Fund | This structure will allow the salt spreaders and 5 yard cover boxes to be hung off steel I-beams outside when not in use. It will allow the driver to load and unload a salt spreader and dump box covers by themselves when needed. |
| Streets | Sidewalk Ramp Installation | 3 | 50 | General Fund | Repair of 100 sidewalk ramps at intersections under the City's jurisdiction which do not currently have a handicap accessible ramp. |
| | | | | | **TOTAL GENERAL FUND** |
| Streets | Street Reconstruction & Preventive Maintenance FYs 2011-2014 | 2 | 15 | MVH Major/MVH Local/General Fund (Road report recommended $100k Major, $136K Local) | Locations to be suggested and determined by 2010, 2011, 2012, 2013 road reports, and presented to Council in April, 2010 (and corresponding years, each year). |
| Streets | Bridge Replacement-Monroe Street @ Rice Creek | 2 | 30 | MVH Major/MDOT grant | Replacing of 100 year-old structure utilizing 95% match from MDOT grant. |
| Streets | Bridge Replacement-Marshall Ave @ Kalamazoo River | 2 | 30 | MVH Major/MDOT grant | Replacing of 100 year-old structure utilizing 95% match from MDOT grant. |
| Streets | Washington/Elm Improvements | 3 | 30 | MVH Local | Install curb and gutter, asphalt paving and drainage improvements on Elm from Washington to Clinton and on Washington from Elm to the fairgrounds. This project would coincide with installation of water main. |
| | | | | | **TOTAL MVH MAJOR/LOCAL FUND** |
| Streets | Building Insulation for Sidewalls and Ceiling | 2 | 30 | Motor Pool and Schools | The building has limited insulation in the ceilings and no insulation in the walls. Being metal walls, the heat is transferred directed to the outside. By insulating the walls heat loss should be reduced and an energy savings realized as it should take less energy to heat the building. |
| Streets | Building HVAC Unit and Duct Work | 3 | 20 | Motor Pool and Schools | Currently the building is heated with electric baseboard heaters and cooled with wall AC units. Duct work can be run on the ceiling and the existing locker room and print room will be modified and updated to allow for the installation of a residential furnace and AC condenser. Eliminating the baseboard heaters will free up space in the electrical panels which are full at this time. |
| | | | | | **TOTAL MOTOR POOL FUND** |
| | | | | | ***Total Streets*** |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Department/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 | All Department flyers, brochures, and schedules are printed in-house with significant cost savings. Current machine has reached its life expectancy in part due to printing the Town Crier from 2003, through 2007 for approximately 500,000 copies. |
| $7,500 | $0 | $0 | $0 | $0 | $0 | $0 | $7,500 | Potential increased revenue by attracting additional participants. |
| $3,000 | $0 | $0 | $0 | $0 | $0 | $0 | $3,000 | No affect on operations. This project needs to be done to address on-going safety concerns and to continue to make improvements to the Athletic Field facility |
| $0 | $13,207 | $0 | $0 | $0 | $0 | $0 | $13,207 | Reduce expenses in seasonal payroll by not having to install and take down temporary fencing yearly. Potential increased revenue as this would be a step in preparing these diamonds for adult women's & JO fastpitch leagues and tournaments. |
| $0 | $0 | $0 | $0 | $0 | $300,000 | $0 | $300,000 | No effect on operational expenditures. |
| $0 | $0 | $0 | $7,500 | $0 | $0 | $0 | $7,500 | None expected. This is a general maintenance to ensure the life of the parking lot. |
| $0 | $0 | $8,000 | $0 | $0 | $0 | $0 | $8,000 | No effect on operations. |
| $0 | $0 | $0 | $41,200 | $0 | $0 | $0 | $41,200 | Potential increased revenue by attracting additional tournaments. |
| $0 | $0 | $0 | $0 | $25,000 | $0 | $0 | $25,000 | Potential increased revenue as this would be the final step in preparing these diamonds for adult women's & JO fastpitch leagues and tournaments. |
| $20,500 | $13,207 | $8,000 | $48,700 | $25,000 | $300,000 | $0 | $415,407 | |
| | | | | | | | | |
| $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $0 | $60,000 | Reduce liability risk associated with tripping hazards. |
| $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 | Reduction in maintenance |
| $6,000 | $0 | $0 | $0 | $0 | $0 | $0 | $6,000 | Will allow a quicker change over of equipment when needed which will increase employee productivity. If a salt box is removed, the equipment needs to be taken to Engine 6 building to use the crane. |
| $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $0 | $60,000 | Increased pedestrian safety. |
| $36,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $0 | $136,000 | |
| $236,000 | $236,000 | $236,000 | $236,000 | $0 | $0 | $0 | $944,000 | Investment into infrastructure will ensure larger dollar amounts will not need to be invested as the system deteriorates. |
| $0 | $27,500 | $0 | $0 | $0 | $0 | $443,650 | $471,150 | Increase safety and load handling of the bridge. |
| $0 | $61,500 | $0 | $0 | $0 | $0 | $1,011,750 | $1,073,250 | Increase safety and load handling of the bridge. |
| $0 | $237,000 | $0 | $0 | $0 | $0 | $0 | $237,000 | Reduce labor spent on repairing erosion problems. |
| $236,000 | $562,000 | $236,000 | $236,000 | $0 | $0 | $1,455,400 | $2,725,400 | |
| $20,000 | $0 | $0 | $0 | $0 | $0 | $0 | $20,000 | Will reduce utility cost for heating the building. |
| $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 | Will reduce electric energy consumption which will be used towards City's energy optimization plan and a savings in utility costs. |
| $30,000 | $0 | $0 | $0 | $0 | $0 | $0 | $30,000 | |
| $302,000 | $582,000 | $256,000 | $256,000 | $20,000 | $20,000 | $1,455,400 | $2,891,400 | |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Department/Fund

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| **WASTE WATER** | | | | | |
| Waste Water | Exchange Muffin Monster | 1 | 5 | Waste Water Fund | This is a giant cutter in which all of the waste water passes through this and gets grounded up. This is on an exchange program. They will send us a rebuilt monster, and we send them ours back. This way we are only out of service for just a few hours. |
| Waste Water | I & I Study (Inflow and Infiltration) | 1 | 15 | Waste Water Fund | An I & I Study will determine where the infiltration and inflow areas are in the City's Sewer System. This will allow us to budget in the future the repairs of the City's sewers. |
| Waste Water | Crack Sealing and Seal Coating WWTP Drive | 2 | 10 | Waste Water Fund | It has been 10 years since any work has been done on the WWTP's drive, and needs to be done to preserve the drive. |
| Waste Water | Primary Sludge Pump | 2 | 20 | Waste Water Fund | To replace 34 year old pumps. |
| Waste Water | Raw sludge tank mixer | 2 | 20 | Waste Water Fund | Replace the worn out gear box and mixer. The mixing of raw biosolids are done prior to the thickening process. |
| Waste Water | 4" Emergency By Pass Pump | 2 | 15 | Waste Water Fund | The City has a 3" bypass pump that is 10 years old and a 6" pump that is 33 years old. The City depends on these pumps for emergencies such as lift station bypassing and for pumping and cleaning the tanks at the wastewater plant. These pumps are in good working order, however as they age we need to keep a dependable pump at our facility in case of that emergency. |
| Waste Water | Valve Replacement | 2 | 30 | Waste Water Fund | Replace 30 year old valves at the WWTP to ensure quality treatment. Parts for current valves no longer available. |
| Waste Water | Replace High School Lift Station | 2 | 25 | Waste Water Fund | Due to the age and on-going maintenance to the lift station replacement is recommended. Soft start motors will save on electric and a new type of station would eliminate confined space. |
| Waste Water | Replace Industrial Park Lift Station | 2 | 25 | Waste Water Fund | Due to the age and on-going maintenance to the lift station (located adjacent South Kalamazoo) replacement is recommended. Soft start motors will save on electric and a new type of station would eliminate confined space. |
| Waste Water | Gear Box Replacement | 2 | 20 | Waste Water Fund | Replace gearboxes (stabilize sludge tank) |
| Waste Water | Electrical Controls Replacement | 3 | 30 | Waste Water Fund | Current controls are 30 years old and replacement parts are no longer available |
| Waste Water | Pave Road to Waste Water Plant | 3 | 30 | Waste Water Fund | Pave the gravel roadway from Industrial Road/Mulberry St. to the Waste Water plant. |
| Waste Water | Install Electric Gate | 3 | 30 | Waste Water Fund | Homeland security measures require the gate remain closed when only one employee is on duty. For safety and convenience, an electric gate should be installed. |
| | | | | | **TOTAL WASTE WATER FUND** |
| **WATER** | | | | | |
| Water | 200,000 Gallon Water Tower Improvements | 2 | 15 | Water Fund (Reserves from Cell Phone Rental Fees) | As part of the 2008 maintenance inspection a number of items were uncovered in need of repair. Included in the suggestions are and exterior overcoat, interior spot repaint and improving various safety feature. The estimated cost was $89,000 with an $18,000 in engineering and contingencies. |
| Water | Replace Chlorine Gas with Sodium Hypochlorite | 3 | 20 | Water Fund | Replace chlorine gas used for disinfecting the water with sodium hypochlorite. This is for safety reason. Presently the City is in compliance with MDEQ but regulations could change. |
| Water | Install New Water Service on Washington & Elm | 3 | 30 | Water Fund | Install water mains on Elm from Washington to Clinton and on Washington from Elm to the fairgrounds. This project would coincide with installation of curb, gutter, draining and street improvements. |
| Water | Replace Well House #4 | 3 | 30 | Water Fund | Replace the extra small well house that currently houses the #4 well. |
| Water | Valve Replacement | 2 | 50 | Water Fund-Revenue Bond | A number of valve throughout the city are in need of replacement so that smaller sections of main can be turned off and fewer customers of out of service when emergency maintenance is needed. |
| | | | | | **TOTAL WATER FUND** |
| | | | | | |
| **GRAND TOTAL** | | | | | |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Department/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| $17,500 | $0 | $0 | $0 | $0 | $0 | $0 | $17,500 | |
| $60,000 | $0 | $0 | $0 | $0 | $0 | $0 | $60,000 | The I & I Study will help us identify where the repairs will be needed and all the infiltration that we can prevent going into the sewers will save the City money by not treating ground water at the Wastewater Plant. |
| $9,300 | $0 | $0 | $0 | $0 | $0 | $0 | $9,300 | |
| $0 | $0 | $20,000 | $0 | $0 | $0 | $0 | $20,000 | $1,000 depreciation. |
| $20,000 | $20,000 | $0 | $0 | $0 | $0 | $0 | $40,000 | Adequate replacement now will save on continual repair costs. $2,000 depreciation. |
| $14,000 | $0 | $0 | $0 | $0 | $0 | $0 | $14,000 | $800 depreciation. |
| $20,000 | $20,000 | $0 | $0 | $0 | $0 | $0 | $40,000 | $1,333 annual depreciation expense. Planned purchase could reduce unanticipated costs if current valves failed. |
| $0 | $90,000 | $0 | $0 | $0 | $0 | $0 | $90,000 | Lift station installed in 1971; newer pumps will reduce maintenance and electric costs. The risk for injury due to confined space is eliminated producing an indirect savings for confined space equipment use/needs & lost productivity. $3,600 depreciation. |
| $0 | $0 | $125,000 | $0 | $0 | $0 | $0 | $125,000 | Lift station installed in 1972; newer pumps will reduce maintenance and electric costs. The risk for injury due to confined space is eliminated producing an indirect savings for confined space equipment use/needs & lost productivity. $5,000 depreciation. |
| $0 | $0 | $25,000 | $0 | $0 | $0 | $0 | $25,000 | $1,250 depreciation. |
| $0 | $0 | $65,000 | $0 | $0 | $0 | $0 | $65,000 | $2,167 depreciation. |
| $0 | $15,000 | $0 | $0 | $0 | $0 | $0 | $15,000 | Savings by not having to grade the road throughout the year. |
| $0 | $6,000 | $0 | $0 | $0 | $0 | $0 | $6,000 | Indirect savings by gaining more productivity from employee who doesn't have to manually open and close the gate. $200 depreciation. |
| $140,800 | $151,000 | $235,000 | $0 | $0 | $0 | $0 | $526,800 | |
| | | | | | | | | |
| $107,000 | $0 | $0 | $0 | $0 | $0 | $0 | $107,000 | Reduction in maintenance to structure and increase in water quality. |
| $0 | $0 | $0 | $100,000 | $0 | $0 | $0 | $100,000 | Increase in operational costs because sodium hypochlorite is a more expensive alternative. $5,000 depreciation. |
| $0 | $45,000 | $0 | $0 | $0 | $0 | $0 | $45,000 | Long term increase for maintenance of additional water main offset by potential increased revenue as more customers hook into the city water system. $1,500 depreciation. |
| $0 | $0 | $0 | $0 | $30,000 | $0 | $0 | $30,000 | Increased cost for heating a larger building. $1,000 depreciation. |
| $100,000 | $0 | $0 | $0 | $0 | $0 | $0 | $100,000 | Reduction in maintenance to structure and increase in water quality. |
| $207,000 | $45,000 | $0 | $100,000 | $30,000 | $0 | $0 | $382,000 | |
| | | | | | | | | |
| $2,291,009 | $2,752,415 | $1,459,515 | $1,174,333 | $611,685 | $537,584 | $1,821,150 | $10,647,691 | |

**City of Marshall – Council**

# Capital Improvements Program

## Expenditures by Priority/Fund

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Priority/Fund

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| **PRIORITY 1** | | | | | |
| Electric | Secondary Oil Containment | 1 | 20 | Electric Fund | Partially completed project of areas addressed in our Spill Prevention Control and Countermeasure Plan. Corrective actions needed to conform to state and federal standards, and for continued pollution liability coverage. |
| Electric | Switchgear Replacement | 1 | 25 | Electric Fund | This switchgear, which was installed in 1929, serves #1 & 3 Hydro and #2 Engine as well as emergency station power in the event of a blackout and backup electrical DC power. The gear is of the open bus design and utilizes oil-filled breakers for manually synchronizing the generators to the bus. The Short Circuit/Device Coordination/Arc Flash/Shock Hazard Study dated May 2009 marked this switchgear as an area of extreme danger as calculated by the IEEE standard 1584 and should not be approached with respect to the operations of switches. |
| Electric | Switchgear Expansion | 1 | 25 | Electric Fund | This switchgear expansion is for the additional feeder being built to the Industrial Park started in fiscal year 08/09. Partially completed project |
| Electric | Installation of Fiber | 1 | 25 | Electric Fund | This fiber optic cable is for the monitoring and operation of reclosures installed in the Industrial Park along with the additional feeder being built. Partially completed project. |
| | | | | | ***Total Electric Fund*** |
| Fire | Personal Alert Safety System (P.A.S.S. Device) Replacement | 1 | 5 | General Fund | P.A.S.S. devices attached to turn out gear, are a means by which if a fire fighter becomes incapacitated, trapped, or disoriented, the device can activate an audible alarm, either automatically (motionless for 30 seconds) or manually (by the fire fighter), to let others know that the fire fighter is in distress and needs assistance. Our P.A.S.S. devices currently have a time weighted thermal exposure alarm (so many degrees times so many minutes), too. This notifies the fire fighter that they are in an atmosphere that's exceeding the protection limits of their turn out gear. This project is renewed every 5 years to be in compliance with manufacturer's recommendation and MIOSHA standards. |
| Fire | Fire Pager Replacement (Motorola Minitor V model) | 1 | 15 | General Fund | This year is the final year of a 3 year project to upgrade our pagers. The Federal Communication Commission has enacted a narrowing of the V.H.F radio frequency band that these pagers operate on. This will eliminate the Minitor II's from being a functional fire pager. It is unknown at this time if the technology in the Minitor III's and IV's will work with all paging options. It is a "trial by fire" to see if they will work or not, but only after the bands have been narrowed will this information be identified. The Minitor V's are compliant with the 2011 promulgated rules of the F.C.C. Our staffing level full-time and part-paid fire fighters is set at 38. With the 28 Minitor V's that we currently have, we will have a need of 10 pagers to be purchased. Each pager comes with a purchased 5 year warranty. The quoted price was dated for August of 2009. An expected price increase has been incorporated into the stated C.I.P proposal of approximately 5% . |
| Fire | Hurst Jaws-of-Life Replacement Cutter | 1 | 20 | General Fund or AAA Insurance Grant for 2010 | When automobile safety became a real concern to the automotive industry, engineers began using exotic metals or special fabrication techniques to "beef" up the strength of the pillars or posts that support the roof of the vehicle. By doing this, they have effectively rendered our present cutters useless in our ability to cut through these pillars or posts to remove the roof of a vehicle to gain access to the entrapped occupants of a motor vehicle accident. With the purchase of the more powerful cutters, this will allow us to be able to continue this evolution in extrication in a safe and efficient manner, thus saving precious time and the lives of those trapped in the wreckage. |
| Fire | Structural Fire Fighting Protective Clothing Purchase | 1 | 10 | General Fund or FEMA Grant with a 5% match | With our turn-out gear being quickly outdated and non-compliant, it is imperative to set up a program to not only keep our fire fighters in current gear but to lesson the financial burden of having to make a one time purchase. This CIP should be placed in perpetuity so as to keep up with the ever changing standards and rules for protective clothing. |
| Police | Protective Body Armor | 1 | 5 | General Fund | The protective body armor is used daily by officers in uniform. It is the policy of the Marshall Police Department to wear protective body armor while in uniform. It is a required purchase for the department to provide the needed safety to perform their duties. The life span of the protective vests is 5 years. |
| Town Hall | Windows | 1 | 30 | General Fund | Repair North & West windows and install interior storms. |
| | | | | | ***Total General Fund*** |
| Marshall House | Trash Compactor | 1 | 20 | Marshall House Fund | Trash compactor is original to the building, hard to find parts or parts needed to be made for a breakdown. |
| Marshall House | ADA Tub-Shower Combinations & Vinyl Floor Covering | 1 | 25 | Marshall House Fund | Replacement of current tubs which are unsafe, with ADA compliant tub-shower combinations and update vinyl floor as needed on move outs. |
| | | | | | ***Total Marshall House Fund*** |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Priority/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| $25,000 | $0 | $0 | $0 | $0 | $0 | $0 | $25,000 | Cost savings in the event of an oil spill unknown. |
| $202,000 | $0 | $0 | $0 | $0 | $0 | $0 | $202,000 | Unknown savings in maintenance and operations. |
| $0 | $75,000 | $0 | $0 | $0 | $0 | $0 | $75,000 | For additional load growth. |
| $20,000 | $0 | $0 | $0 | $0 | $0 | $0 | $20,000 | Providing reliability and ability to better monitor electrical system. |
| $247,000 | $75,000 | $0 | $0 | $0 | $0 | $0 | $322,000 | |
| $10,325 | $0 | $0 | $0 | $0 | $12,250 | $0 | $22,575 | Our current inventory of P.A.S.S. Devices, purchased in 2004, are quickly reaching their end of life. Grace Industries, the manufacturer of our Super PASS II, lists in their instruction and maintenance guide that the device needs to be retired from service 3-5 years from the date of purchase, depending on use and abuse. This is supported by N.F.P.A 1982, 2007 edition and is adopted by MIOSHO by reference (1998 edition) in Part 74, Standards for Fire Fighting. |
| $5,750 | $0 | $0 | $0 | $0 | $0 | $0 | $5,750 | Currently a portion of our fire pagers are or are becoming obsolete and non-supported by the manufacturer and by the federal communications commission, narrowing of the banding of V.H.F. frequencies. The pagers are used to notify off-duty and part-paid firefighters of an emergency response request. |
| $6,000 | $0 | $0 | $0 | $0 | $0 | $0 | $6,000 | Our present cutter, a part of the Hurst Jaws of Life vehicle extrication ensemble, originally purchased in the late 1980ös, no longer possesses the ability to cut through the materials that the todayös automobiles are being manufactured with. A newer version of this tool is available for purchase and works with our current hydraulic system. This tool will allow us to continue to extricate persons from wreckage in a safe and expeditious manner. |
| $8,500 | $9,000 | $9,500 | $10,000 | $10,500 | $11,000 | $0 | $58,500 | Currently the State of Michigan has mandated that all structural fire fighting protective clothing must meet or exceed the 2000 edition of the National Fire Protection Association's standard for structural fire fighting protective clothing, 24 of our fire fighters have this gear. 10 of our fire fighters are issued the 1997 edition of the N.F.P.A. standard for gear or in a combination thereof. |
| $5,000 | $0 | $5,000 | $0 | $5,000 | $0 | $0 | $15,000 | Required uniform equipment for the officerös protection. |
| $12,000 | $12,000 | $12,000 | $0 | $0 | $0 | $0 | $36,000 | Energy efficiency |
| $47,575 | $21,000 | $26,500 | $10,000 | $15,500 | $23,250 | $0 | $143,825 | |
| $14,384 | $0 | $0 | $0 | $0 | $0 | $0 | $14,384 | Trash compactor is original to the building, hard to find parts or parts need to be made for a breakdown. |
| $9,000 | $9,000 | $9,000 | $9,000 | $9,000 | $9,000 | $0 | $54,000 | $360 depreciation expense annually over 10 years. |
| $23,384 | $9,000 | $9,000 | $9,000 | $9,000 | $9,000 | $0 | $68,384 | |

**City of Marshall - Council**

# Capital Improvements Program

**Expenditures by Priority/Fund**

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| Motor Pool - Equipment | Leaf Loader Refurbishing | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2002 Skid Steer | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1989 Ford Backhoe | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1991 JD Loader | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1998 International 2 1/2 T Dump Truck | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1996 International 2 1/2 T Dump Truck | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1998 Ford 1 T Dump Truck | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2000 Broom Bear Sweeper | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1991 Brush Chipper | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2006 Sterling Vactor | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2002 International Versalift Bucket Truck | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1997 Ford 1 T Dump Truck | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1998 Jeep Cherokee | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1997 Ford Taurus | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2005 Crown Victoria | 1 | 3 | | |
| Motor Pool - Equipment | Replace 1998 Escort Station Wagon | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1999 Dodge 4WD Pickup | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1999 Dodge 4WD Pickup | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1996 Dodge Pickup | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1999 Dodge Van | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1995 Ford 4WD Pickup | 1 | 10 | | |
| Motor Pool - Equipment | Replace 1997 Ford F-150 Pickup | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2008 Crown Victoria | 1 | 3 | | |
| Motor Pool - Equipment | Replace 2006 Crown Victoria | 1 | 3 | | |
| Motor Pool - Equipment | Replace Zero Turn Mowers | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2001 Ford Windstar Van | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2000 Dodge 4WD Pickup | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2000 Ford 1 T F-450 | 1 | 10 | | |
| Motor Pool - Equipment | Replace 2000 Ford 2 1/2 T Dump Truck | 1 | 10 | | |
| Motor Pool - Equipment | Replace Cat Loader | 1 | 10 | | |
| | | | | | ***Total Motor Pool Fund*** |
| Waste Water | Exchange Muffin Monster | 1 | 5 | Waste Water Fund | This is a giant cutter in which all of the waste water passes through this and gets grounded up. This is on an exchange program. They will send us a rebuilt monster, and we send them ours back. This way we are only out of service for just a few hours. |
| Waste Water | I & I Study (Inflow and Infiltration) | 1 | 15 | Waste Water Fund | An I & I Study will determine where the infiltration and inflow areas are in the City's Sewer System. This will allow us to budget in the future the repairs of the City's sewers. |
| | | | | | ***Total Waste Water Fund*** |
| | | | | | |
| | | | | | **TOTAL PRIORITY 1** |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Priority/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| $60,000 | $0 | $60,000 | $0 | $60,000 | $0 | $0 | $180,000 | Depreciation |
| $0 | $45,000 | $0 | $0 | $0 | $0 | $0 | $45,000 | Depreciation |
| $0 | $125,000 | $0 | $0 | $0 | $0 | $0 | $125,000 | Depreciation |
| $0 | $100,000 | $100,000 | $0 | $0 | $0 | $0 | $200,000 | Depreciation |
| $0 | $0 | $0 | $110,000 | $0 | $0 | $0 | $110,000 | Depreciation |
| $0 | $110,000 | $0 | $0 | $0 | $0 | $0 | $110,000 | Depreciation |
| $0 | $0 | $56,000 | $0 | $0 | $0 | $0 | $56,000 | Depreciation |
| $200,000 | $0 | $0 | $0 | $0 | $0 | $0 | $200,000 | Depreciation |
| $0 | $0 | $0 | $55,000 | $0 | $0 | $0 | $55,000 | Depreciation |
| $0 | $200,000 | $0 | $0 | $0 | $0 | $0 | $200,000 | Depreciation |
| $0 | $0 | $0 | $185,000 | $0 | $0 | $0 | $185,000 | Depreciation |
| $0 | $50,000 | $0 | $0 | $0 | $0 | $0 | $50,000 | Depreciation |
| $0 | $0 | $19,700 | $0 | $0 | $0 | $0 | $19,700 | Depreciation |
| $18,500 | $0 | $0 | $0 | $0 | $0 | $0 | $18,500 | Depreciation |
| $0 | $22,000 | $0 | $0 | $0 | $0 | $0 | $22,000 | Depreciation |
| $0 | $19,100 | $0 | $0 | $0 | $0 | $0 | $19,100 | Depreciation |
| $0 | $0 | $0 | $25,000 | $0 | $0 | $0 | $25,000 | Depreciation |
| $0 | $0 | $0 | $25,000 | $0 | $0 | $0 | $25,000 | Depreciation |
| $18,000 | $0 | $0 | $0 | $0 | $0 | $0 | $18,000 | Depreciation |
| $0 | $0 | $0 | $20,300 | $0 | $0 | $0 | $20,300 | Depreciation |
| $25,000 | $0 | $0 | $0 | $0 | $0 | $0 | $25,000 | Depreciation |
| $18,000 | $0 | $0 | $0 | $0 | $0 | $0 | $18,000 | Depreciation |
| $0 | $0 | $0 | $22,000 | $0 | $0 | $0 | $22,000 | Depreciation |
| $0 | $0 | $22,000 | $0 | $0 | $0 | $0 | $22,000 | Depreciation |
| $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $0 | $120,000 | Depreciation |
| $0 | $0 | $0 | $0 | $23,000 | $0 | $0 | $23,000 | Depreciation |
| $0 | $0 | $0 | $0 | $23,185 | $0 | $0 | $23,185 | Depreciation |
| $0 | $0 | $0 | $0 | $56,000 | $0 | $0 | $56,000 | Depreciation |
| $0 | $0 | $0 | $0 | $110,000 | $0 | $0 | $110,000 | Depreciation |
| $0 | $0 | $0 | $0 | $100,000 | $100,000 | $0 | $200,000 | Depreciation |
| $359,500 | $691,100 | $277,700 | $462,300 | $392,185 | $120,000 | $0 | $2,302,785 | |
| $17,500 | $0 | $0 | $0 | $0 | $0 | $0 | $17,500 | |
| $60,000 | $0 | $0 | $0 | $0 | $0 | $0 | $60,000 | The I & I Study will help us identify where the repairs will be needed and all the infiltration that we can prevent going into the sewers will save the City money by not treating ground water at the Wastewater Plant. |
| $77,500 | $0 | $0 | $0 | $0 | $0 | $0 | $77,500 | |
| $754,959 | $796,100 | $313,200 | $481,300 | $416,685 | $152,250 | $0 | $2,914,494 | |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Priority/Fund

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| **PRIORITY 2** | | | | | |
| Airport | Taxiway Rehabilitation | 2 | 20 | Airport Fund 2 1/2%, FAA Allocation 95%, | Design Taxiway Rehabilitation and Entitlements used for Taxiway Rehabilitation. |
| | | | | | ***Total Airport Fund*** |
| Cemetery | Cemetery water distribution system | 2 | 20 | Cemetery Trust Fund and General Fund | Replacing the current water distribution system will eliminate line breaks which will result in reduced water usage as a result of the leaks. |
| | | | | | ***Total Cemetery Fund*** |
| Data Processing | Microsoft Office Suite Upgrade | 2 | 4 | Data Processing Fund | Replace outdated word processing, spreadsheet and other software as technology changes. Microsoft Office 2007 30 licenses. |
| | | | | | ***Total Data Processing Fund*** |
| DDA | Parking lot pavement sealing | 2 | 5 | DDA Fund | Pavement sealing program for all city owned or maintained parking lots to extend life of the pavement. 50/50 split Total cost $10,000 each year |
| | | | | | ***Total DDA Fund*** |
| Electric | Capacitor Banks | 2 | 20 | Electric Fund | To provide quality electricity to our customers while reducing kvar charges. |
| Electric | Raceway/Dam Maintenance | 2 | 20 | Electric Fund | Maintain the structures for safe & efficient operations to meet FERC mandates/licensing. This is a 5-year maintenance program of the concrete structures. |
| Electric | Plant Video Camera System | 2 | 20 | Electric Fund | Install video cameras outside the Power Plant & PSB for security purposes. |
| Electric | Replace Protective Relaying - Generators | 2 | 20 | Electric Fund | The Short Circuit/Device Coordination/Arc Flash/Shock Hazard Study dated May, 2009 recommends micro-processor based protective relaying be installed on generators that don't currently have protection. This relaying will open the circuit breaker in the event of a fault that could harm equipment and personnel. |
| Electric | Replace Protective Relaying - Transformers | 2 | 20 | Electric Fund | Microprocessor based protective relaying will be installed on transformers that do not currently have protection and replace current electro/mechanical relays on other transformers. This relaying will open the circuit breaker or breakers in the event of a fault that could harm equipment and personnel and provide feedback to the SCADA to assist the operator in locating or preventing faults. |
| Electric | Replace Protective Relaying - Distribution | 2 | 20 | Electric Fund | Microprocessor based protective relaying will be installed on all distribution circuits replacing electro/mechanical relays. This relaying will open the circuit breaker or breakers in the event of a fault that could harm equipment and personnel and provide feedback to the SCADA to assist the operator in locating or preventing outages. |
| Electric | Replace Pilot Wire Relaying | 2 | 10 | Electric Fund | These relays provide selective high-speed clearing of all faults on a protected line, using a pilot wire circuit to compare line currents at all terminals of the line. Simultaneous clearing at all terminals minimizes damage, permits high-speed re-closing and improves the stability of the system. |
| Electric | Air Compressor Replacement | 2 | 30 | Electric Fund | Replace one air compressor each of the years listed. This is necessary to maintain the air supply for proper control and starting of the diesel engines. |
| Electric | Meter / Relay Calibration | 2 | 3 | Electric Fund | Regular inspection and maintenance of relays is paramount in protecting electrical systems from unscheduled outages. Relays will nuisance trip when set too low or if not coordinated, the wrong relay may trip and bring down a large portion of the system. Many factors can influence the operation of protective relays. These include changes in load, replacement of equipment, dust or dirt from the environment or age. |
| Electric | Power House Roof Repairs | 2 | 25 | Electric Fund | Maintain existing facilities. |
| Electric | Automated Load Control of Hydro | 2 | 25 | Electric Fund | FERC & MDNR are requesting an automated Run of River operation be installed and maintained. This will maintain the water level through the hydro plant, even when unattended, to meet these requirements. |
| Electric | Upgrade Plant #1 House Power Panels | 2 | 30 | Electric Fund | Maintain the equipment for safe and efficient operation by upgrading fuse-type panels with newer circuit breaker panels through a 4-year program. Old panels and wiring have been in place for 50+ years and could become a fire hazard. |
| Electric | Upgrade Lube Oil Filter Systems on #2 & #5 Engines | 2 | 30 | Electric Fund | Upgrade piece meal systems with new, more efficient equipment. |
| Electric | Upgrade Lube Oil Heating Systems on #2 & #5 Engines | 2 | 30 | Electric Fund | Upgrade piece meal systems with new, more efficient equipment. |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Priority/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| $0 | $8,625 | $0 | $0 | $0 | $0 | $360,750 | $369,375 | |
| $0 | $8,625 | $0 | $0 | $0 | $0 | $360,750 | $369,375 | |
| $0 | $45,000 | $0 | $0 | $0 | $0 | $0 | $45,000 | Will reduce water loss and maintenance costs due to the age of the current system. Needs to be done |
| $0 | $45,000 | $0 | $0 | $0 | $0 | $0 | $45,000 | |
| $20,000 | $0 | $0 | $0 | $0 | $0 | $0 | $20,000 | Potential for increased training costs for employees to learn new software. |
| $20,000 | $0 | $0 | $0 | $0 | $0 | $0 | $20,000 | |
| $0 | $0 | $10,000 | $10,000 | $10,000 | $0 | $0 | $30,000 | Reduction in maintenance on deteriorating parking lots. |
| $0 | $0 | $10,000 | $10,000 | $10,000 | $0 | $0 | $30,000 | |
| $22,000 | $22,000 | $0 | $0 | $0 | $0 | $0 | $44,000 | Capacitors save money by releasing system capacity, reducing power losses, improving voltage conditions and eliminating power factor penalties. Power losses are directly connected to environmental load, lowering losses is also an environmental gain. |
| $0 | $15,000 | $0 | $15,000 | $0 | $15,000 | $0 | $45,000 | No direct cost or savings. $750 depreciation. |
| $15,000 | $0 | $0 | $0 | $0 | $0 | $0 | $15,000 | Possible increased cost for storing digital images on computer based on use. |
| $0 | $0 | $36,000 | $0 | $0 | $0 | $0 | $36,000 | Current generation has little or no protection at this time. |
| $0 | $0 | $17,000 | $0 | $0 | $0 | $0 | $17,000 | Replace electro/mechanical relays with microprocessor-based relays. This should reduce costs of calibration and maintenance and offer increased protection for equipment and personnel. |
| $0 | $48,000 | $48,000 | $0 | $0 | $0 | $0 | $96,000 | Replace electro/mechanical relays with microprocessor-based relays. This should reduce costs of calibration and maintenance and offer increased protection for equipment and personnel. |
| $32,000 | $0 | $0 | $0 | $0 | $0 | $0 | $32,000 | Replace relays to give the proper protection to the main tie lines between the Pearl Street Substation, South Substation and the Power Plant completing a project started in 2000. The current relays will be moved to provide updated relaying on transformers. |
| $0 | $15,000 | $15,000 | $15,000 | $0 | $0 | $0 | $45,000 | No direct cost or savings. $500 depreciation. |
| $25,000 | $0 | $0 | $25,000 | $0 | $0 | $0 | $50,000 | To provide a safe efficient operation we do meter calibration to maintain accuracy, relay calibration to maintain safety and protection of the distribution lines and infrastructure. |
| $0 | $0 | $50,000 | $0 | $0 | $0 | $0 | $50,000 | Deferring maintenance of the structure could result in more costly damage and repairs. |
| $50,000 | $50,000 | $0 | $0 | $0 | $0 | $0 | $100,000 | No direct cost. Indirect savings by meeting FERC licensing recommendations. |
| $7,500 | $7,500 | $75,000 | $0 | $0 | $0 | $0 | $90,000 | No direct cost or savings. |
| $7,500 | $7,500 | $0 | $0 | $0 | $0 | $0 | $15,000 | Reduction in electric usage/charges due to a more energy efficient system. Indirect savings due to better filtering of the lube oils (use oil longer; less wear on the equipment). |
| $5,000 | $5,000 | $0 | $0 | $0 | $0 | $0 | $10,000 | Reduction in electric usage/charges due to a more energy efficient system. |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Priority/Fund

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| Electric | Upgrade Engine Protection Systems #2 & #5 | 2 | 20 | Electric Fund | To allow a small work force to operate the equipment as needed by MSCPA and the customers of the City of Marshall. |
| Electric | Engine #3 & #6 gauge panel replacement | 2 | 20 | Electric fund | One panel replacement each year will modernize control packages for engine control of the city's two newest, largest and most economical engines most requested to run by MSCPA. It will incorporate PLC control and graphic units using touch screen display, a data highway suitable for SCADA interface, one touch start/stop sequence, critical alarm and shutdown inputs, vibration monitoring and fuel/air ratio. |
| Electric | Overhaul East Well pump | 2 | 10 | Electric Fund | Recommended every 10 years by Peerless Midwest. Replace unsatisfactory facilities to maintain the agency program at current level of performance. This is recommended by yearly testing. |
| Electric | Overhaul West Well pump | 2 | 10 | Electric Fund | Recommended every 10 years by Peerless Midwest. Replace unsatisfactory facilities to maintain the agency program at current level of performance. This is recommended by yearly testing. |
| Electric | Overhaul #3 Engine Raw Water Pump | 2 | 10 | Electric Fund | This pump was originally installed in 1973 as part of the engine support system. The pump and motor were overhauled in 1996 and the pump only in 2003. Recommended service interval of 10 years as suggested by professional consultant. This is recommended by yearly testing. |
| Electric | Installation of Circuit Reclosers | 2 | 10 | Electric Fund | Reclosers will re-energize circuits automatically helping to increase overall system reliability and prevent temporary faults from becoming permanent outages by clearing the fault. This system will reduce customer outage time. An auto reclosure is a circuit breaker equipped with a mechanism that can automatically close the breaker after it has been opened due to a fault. |
| Electric | #2 Engine Water Pump Replacement | 2 | 50 | Electric Fund | New pump and motor assembly, electrical controls, piping and valves as needed will be purchased and installed by plant personnel. |
| Electric | Purchase Filter Pump for Load Tap Changers | 2 | 25 | Electric Fund | To maintain this equipment for safe and efficient operation. Load tap changer (LTC) is a mechanical switching device; they are the most expensive and vulnerable accessories on a power transformer and they cause more failures and outages than any other component of a power transformer. LTC function is to change turns ratio (regulate voltage) without interrupting the load current. LTC failures are categorized as electrical, mechanical, and thermal. Most of the failures are mechanical at the beginning and developed to electrical faults mainly occurring due to problems on the contacts, transition resistors, and insulation breakdowns. |
| Electric | Add Level Alarms to Engine Fuel Day Tanks | 2 | 50 | Electric Fund | To maintain this equipment for safe and efficient operation.<br>* This project was originally funded in the 07/08 budget but due to uncertain funds and manpower the project was not done, |
| Electric | Breaker Maintenance | 2 | 5 | Electric Fund | Circuit breakers are mechanical devices that require periodic maintenance to ensure proper operation. A popular misconception is that if a circuit breaker has not tripped due to an over current it is in original condition. In fact, a circuit breaker that sits without opening over long periods can have performance issues. The lubrication of the mechanism, which is vital for its proper operation, can degrade or dry over time and affect the circuit breaker's ability to operate properly. A circuit breaker also can be damaged or degraded after interrupting a fault. |
| | | | | | ***Total Electric Fund*** |
| Clerk-Treasurer | Mailer Stuffer Equipment for Utility Billing and Tax Billing Statements | 2 | 10 | General Fund-15%, Electric Fund-42.5%, Wastewater Fund-21.25%, Water Fund-21.25% | Current equipment is 10+ years old and is not working properly. Service calls are routinely made (about 25-30% of all billing cycles), with a service technician performing repair/re-start services on-site. |
| Fire | Radio Replacement | 2 | 20 | General Fund | The Marshall Fire Department has 6 mobile and 7 portable radios that are not capable of narrow banding. When the FCC begins this process, the 13 radios listed will lose about half of their ability to transmit and receive messages. There is also an estimated 3% per year increase in cost, which has been included. |
| Parks | North Ketchum Park Time Locks With New Doors | 2 | 30 | General Fund | The restrooms have been vandalized so many times the frames and doors need to be replaced and time lock added. The time lock will allow the bathroom doors to lock at a preset time. The bathrooms are being changed to unisex so they will have a occupied/unoccupied lock set. Pull handle on the outside. |
| Police | Mobile Laptop Computers | 2 | 5 | General Fund or 911 fees or drug forfeiture funds | We currently have 6 laptop computers for patrol operations. The computers are a vital source of information for the patrol operations. The computers will be more of an asset once the new 911 Center is in operation as the officers will utilize the computers to interact with dispatch operations on a frequent basis. The laptops will also be utilized to interact with the Law Enforcement Information Network (LEIN). This is utilized for driving records, warrant information, officer safety bulletins, and Amber Alerts. The computers additionally will allow officers to complete reports while in the vehicles which provide visibility to citizens. The eventual direction of the agency is to have the ability to have programs installed in the computers to issue citations paperless to the court system and have accident reports completed paperless to the records management system. |

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| $15,000 | $15,000 | $0 | $0 | $0 | $0 | $0 | $30,000 | Due to the limited work force and the anticipated equipment, it is felt engine protection systems should be upgraded closer to today's standards and technology. With only one operator per shift, it is difficult to be with all of the engines at the same time and to catch a sudden drop in pressure or an increase in temperature before damage is done. |
| $0 | $80,000 | $80,000 | $0 | $0 | $0 | $0 | $160,000 | Presumed savings unknown. |
| $0 | $15,000 | $0 | $0 | $0 | $0 | $0 | $15,000 | $1500 depreciation expense annually |
| $0 | $0 | $0 | $15,000 | $0 | $0 | $0 | $15,000 | $1,500 depreciation per year |
| $12,000 | $0 | $0 | $0 | $0 | $0 | $0 | $12,000 | No direct cost or savings; will maintain generating equipment for safe and efficient operation. |
| $20,000 | $22,000 | $0 | $0 | $0 | $0 | $0 | $42,000 | Reduction of customer outage time. |
| $7,500 | $0 | $0 | $0 | $0 | $0 | $0 | $7,500 | Replacement of a fifty year old pump that is failing. This is the main cooling source for this engine; if it were to fail, the engine would no longer be available until repairs could be made. |
| $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 | $3,000 to $5,000 per year. This will allow our crews to maintain the insulating oil and do maintenance inspections on the load tap changers of the main transformers at Pearl Street Substation rather than contracting with outside firms. |
| $8,250 | $0 | $0 | $0 | $0 | $0 | $0 | $8,250 | To maintain the fuel supply needed for proper operation of the diesel engines. The current tanks have antiquated level alarms at best and need to be updated. This should also help with insurance issues. |
| $0 | $0 | $0 | $0 | $25,000 | $0 | $0 | $25,000 | To provide a safe efficient operation breakers are disassembled, inspected, cleaned, lubricated, reassembled and tested to ensure proper operation. If a breaker were to fail, major damage to switchgear, buildings and possibly employees could be expected. |
| $236,750 | $302,000 | $321,000 | $70,000 | $25,000 | $15,000 | $0 | $969,750 | |
| $10,300 | $0 | $0 | $0 | $0 | $0 | $1,000 | $11,300 | There are approximately 55,000 utility bills and 10,000 tax statements stuffed/mailed annually. Will increase efficiency in staff time and reduce down-time related to maintenance/repair service calls. |
| $0 | $10,300 | $0 | $0 | $0 | $0 | $0 | $10,300 | In 2013 the FCC will begin narrow banding the VHF frequency that the Marshall Fire Department is currently using. When that takes place, it will become difficult to communicate with the surrounding Townships. That inability to communicate becomes a safety issue when fire department personnel are unable to receive critical information in a timely manner. Not being able to transmit or receive safety warnings places our personnel at great risk, both on the way to the fire and on the fire ground. |
| $8,000 | $0 | $0 | $0 | $0 | $0 | $0 | $8,000 | Reduce maintenance costs due to vandalism. |
| $0 | $5,333 | $0 | $5,333 | $0 | $5,334 | $2,000 | $18,000 | These are recurring expenditures for laptops in the vehicles. The computers allow communications with dispatch that allow complaint calls to be sent via computers to alleviate congestion on the radio system. Officers are more efficient with report writing capabilities while on the streets and to have access to LEIN information while on patrol. This will also provide a cost saving due to effectiveness and time savings in report writing management. |

## City of Marshall - Council
# Capital Improvements Program
### Expenditures by Priority/Fund

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| Police | Forensic Equipment | 2 | 10 | General Fund or Grant | Items to be purchased: 1) 30òDrying Cabinet for blood stained or biological evidence to be dried in a controlled and sterile environment. 2)Down flow Station where officers can process evidence using different powders with reduced risk of inhaling the powders. 3)Ductless Fuming Chamber is used by officers processing evidence using chemicals that can pose a health risk if not used in proper ventilation. This request is based on several factors. Currently the Marshall Police Department has no acceptable procedure to properly process, dry, or retain evidence collected that contains biological fluids. This poses a hazard to the officers, and to anyone that may become in contact with the evidence. There is also the risk of airborne contamination to the evidence by drying the evidence in open air. This would have the ability to contaminate DNA evidence which may become a factor during trials. The other equipment to be purchased is used in industry standards to provide optimal results for testing and developing evidence while providing health safety to the officers. The purchase of the above listed equipment also enhances the ability to obtain results quicker which provides cases to be expedited therefore reducing the amount of time to develop and arrest potential suspects. Training for this equipment and processing techniques will be done internally and will not induce more expenses to the agency. |
| PSB Operations | PSB Parking Lot and Drive Crack Filling, Patching, and Sealing | 2 | 20 | Department Cost Allocation/Rents | The parking lot is to the point where it needs to under go some major repairs. Staff is suggesting a two prong approach; the first year, cut out the areas with major damage, and then the following year cap the whole parking lot with approximately an inch of asphalt. |
| Streets | Sidewalk Repair | 2 | 25 | General Fund | Repair to existing sidewalks throughout the City. |
| Streets | Union Street Drainage Improvements | 2 | 20 | General Fund | There has been an ongoing drainage issue at the corner of Mulberry Street and Union Street for some time. Project will increase capacity of drainage basin on Union Street and install protective fence. |
| Streets | Storage Rack for Salt Spreaders and Dump Box Covers | 2 | 30 | General Fund | This structure will allow the salt spreaders and 5 yard cover boxes to be hung off steel I-beams outside when not in use. It will allow the driver to load and unload a salt spreader and dump box covers by themselves when needed. |
| Town Hall | Town Hall Repairs | 2 | 10 | General Fund | Various repairs to Town Hall:<br>-building wall at rear public entrance;<br>-roof above gas water heater in police garage leaking;<br>-exterior windows peeling and some window sills need replacing.<br>Upon completion of repairs, paint all windows, trim and police garage. |
| | | | | | ***Total General Fund*** |
| Marshall House | Electric Wall Heaters (10) | 2 | 30 | Marshall House Fund | There are 10 wall heaters in the common areas. Current units are 30 years old and starting to fail. Replacement parts are not available. |
| | | | | | ***Total Marshall House Fund*** |
| Motor Pool | Tire Changer | 2 | 20 | Motor Pool Capital | |
| Streets | Building Insulation for Sidewalls and Ceiling | 2 | 30 | Motor Pool and Schools | The building has limited insulation in the ceilings and no insulation in the walls. Being metal walls, the heat is transferred directed to the outside. By insulating the walls heat loss should be reduced and an energy savings realized as it should take less energy to heat the building. |
| | | | | | ***Total Motor Pool Fund*** |
| Streets | Street Reconstruction & Preventive Maintenance FYs 2011-2014 | 2 | 15 | MVH Major/MVH Local/General Fund (Road report recommended $100k Major, $136K Local) | Locations to be suggested and determined by 2010, 2011, 2012, 2013 road reports, and presented to Council in April, 2010 (and corresponding years, each year). |
| Streets | Bridge Replacement-Monroe Street @ Rice Creek | 2 | 30 | MVH Major/MDOT grant | Replacing of 100 year-old structure utilizing 95% match from MDOT grant. |
| Streets | Bridge Replacement-Marshall Ave @ Kalamazoo River | 2 | 30 | MVH Major/MDOT grant | Replacing of 100 year-old structure utilizing 95% match from MDOT grant. |
| | | | | | ***Total MVH Major/Local Fund*** |
| Recreation | Fence Guard & Outfield Screening #1 & #2 | 2 | 15 | Recreation Fund | Replace current fence guard which has reached its life expectancy and is in poor condition with holes and missing sections. Safe-Top Fence Guard helps to reduce chain link injuries while adding sparkle to the facility. Outfield windscreens will transform metal fencing into an attractive colorful outfield. |
| Recreation | Removal of Wooden Bleachers/ Press Box at Athletic Field | 2 | n/a | Recreation Fund | Contract with an excavating company to remove old wooden bleachers and press box previously used by the communities jr. football program. (west side of the facility) Bleachers are in disrepair and are a safety concern. Since 2006-07 when the Department received significant funding from the Cronin Foundation for Athletic Field renovations the Department has made efforts to keep the facility well maintained and looking sharp. |
| Recreation | Replace Current Digital Duplicator | 2 | 10 | Recreation Fund 70%; General Fund 30% | This is an essential piece of equipment for our Department. Although, we are utilizing paperless forms of marketing, flyers and other publications to the classrooms at Marshall Public Schools and Marshall Academy continues to be our most effective means of informing the community of Recreation Department Programs. |
| | | | | | ***Total Recreation Fund*** |

## City of Marshall - Council
# Capital Improvements Program
### Expenditures by Priority/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| $0 | $9,000 | $0 | $0 | $0 | $0 | $0 | $9,000 | This will provide expedition with case investigations. This also addresses officer safety dealing with biological fluids, chemical exposures, and exposures to powders. |
| $22,000 | $0 | $0 | $0 | $0 | $0 | $0 | $22,000 | |
| $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $0 | $60,000 | Reduce liability risk associated with tripping hazards. |
| $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 | Reduction in maintenance |
| $6,000 | $0 | $0 | $0 | $0 | $0 | $0 | $6,000 | Will allow a quicker change over of equipment when needed which will increase employee productivity. If a salt box is removed, the equipment needs to be taken to Engine 6 building to use the crane. |
| $0 | $13,500 | $0 | $0 | $0 | $0 | $0 | $13,500 | None given. |
| $66,300 | $48,133 | $10,000 | $15,333 | $10,000 | $15,334 | $3,000 | $168,100 | |
| $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 | Depreciation expense of $333 annually. |
| $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 | |
| $7,000 | $0 | $0 | $0 | $0 | $0 | $0 | $7,000 | Will reduce labor costs. |
| $20,000 | $0 | $0 | $0 | $0 | $0 | $0 | $20,000 | Will reduce utility cost for heating the building. |
| $27,000 | $0 | $0 | $0 | $0 | $0 | $0 | $27,000 | |
| $236,000 | $236,000 | $236,000 | $236,000 | $0 | $0 | $0 | $944,000 | Investment into infrastructure will ensure larger dollar amounts will not need to be invested as the system deteriorates. |
| $0 | $27,500 | $0 | $0 | $0 | $0 | $443,650 | $471,150 | Increase safety and load handling of the bridge. |
| $0 | $61,500 | $0 | $0 | $0 | $0 | $1,011,750 | $1,073,250 | Increase safety and load handling of the bridge. |
| $236,000 | $325,000 | $236,000 | $236,000 | $0 | $0 | $1,455,400 | $2,488,400 | |
| $7,500 | $0 | $0 | $0 | $0 | $0 | $0 | $7,500 | Potential increased revenue by attracting additional participants. |
| $3,000 | $0 | $0 | $0 | $0 | $0 | $0 | $3,000 | No affect on operations. This project needs to be done to address on-going safety concerns and to continue to make improvements to the Athletic Field facility |
| $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 | All Department flyers, brochures, and schedules are printed in-house with significant cost savings. Current machine has reached its life expectancy in part due to printing the Town Crier from 2003, through 2007 for approximately 500,000 copies. |
| $20,500 | $0 | $0 | $0 | $0 | $0 | $0 | $20,500 | |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Priority/Fund

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| Waste Water | Crack Sealing and Seal Coating WWTP Drive | 2 | 10 | Waste Water Fund | It has been 10 years since any work has been done on the WWTP's drive, and needs to be done to preserve the drive. |
| Waste Water | Primary Sludge Pump | 2 | 20 | Waste Water Fund | To replace 34 year old pumps. |
| Waste Water | Raw sludge tank mixer | 2 | 20 | Waste Water Fund | Replace the worn out gear box and mixer. The mixing of raw biosolids are done prior to the thickening process. |
| Waste Water | 4" Emergency By Pass Pump | 2 | 15 | Waste Water Fund | The City has a 3" bypass pump that is 10 years old and a 6" pump that is 33 years old. The City depends on these pumps for emergencies such as lift station bypassing and for pumping and cleaning the tanks at the wastewater plant. These pumps are in good working order, however as they age we need to keep a dependable pump at our facility in case of that emergency. |
| Waste Water | Valve Replacement | 2 | 30 | Waste Water Fund | Replace 30 year old valves at the WWTP to ensure quality treatment. Parts for current valves no longer available. |
| Waste Water | Replace High School Lift Station | 2 | 25 | Waste Water Fund | Due to the age and on-going maintenance to the lift station replacement is recommended. Soft start motors will save on electric and a new type of station would eliminate confined space. |
| Waste Water | Replace Industrial Park Lift Station | 2 | 25 | Waste Water Fund | Due to the age and on-going maintenance to the lift station (located adjacent South Kalamazoo) replacement is recommended. Soft start motors will save on electric and a new type of station would eliminate confined space. |
| Waste Water | Gear Box Replacement | 2 | 20 | Waste Water Fund | Replace gearboxes (stabilize sludge tank) |
| | | | | | ***Total Waste Water Fund*** |
| Water | 200,000 Gallon Water Tower Improvements | 2 | 15 | Water Fund (Reserves from Cell Phone Rental Fees) | As part of the 2008 maintenance inspection a number of items were uncovered in need of repair. Included in the suggestions are and exterior overcoat, interior spot repaint and improving various safety feature. The estimated cost was $89,000 with an $18,000 in engineering and contingencies. |
| Water | Valve Replacement | 2 | 50 | Water Fund-Revenue Bond | A number of valve throughout the city are in need of replacement so that smaller sections of main can be turned off and fewer customers of out of service when emergency maintenance is needed. |
| | | | | | ***Total Water Fund*** |
| | | | | | |
| | | | | | **TOTAL PRIORITY 2** |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Priority/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| $9,300 | $0 | $0 | $0 | $0 | $0 | $0 | $9,300 | |
| $0 | $0 | $20,000 | $0 | $0 | $0 | $0 | $20,000 | $1,000 depreciation. |
| $20,000 | $20,000 | $0 | $0 | $0 | $0 | $0 | $40,000 | Adequate replacement now will save on continual repair costs. $2,000 depreciation. |
| $14,000 | $0 | $0 | $0 | $0 | $0 | $0 | $14,000 | $800 depreciation. |
| $20,000 | $20,000 | $0 | $0 | $0 | $0 | $0 | $40,000 | $1,333 annual depreciation expense. Planned purchase could reduce unanticipated costs if current valves failed. |
| $0 | $90,000 | $0 | $0 | $0 | $0 | $0 | $90,000 | Lift station installed in 1971; newer pumps will reduce maintenance and electric costs. The risk for injury due to confined space is eliminated producing an indirect savings for confined space equipment use/needs & lost productivity. $3,600 depreciation. |
| $0 | $0 | $125,000 | $0 | $0 | $0 | $0 | $125,000 | Lift station installed in 1972; newer pumps will reduce maintenance and electric costs. The risk for injury due to confined space is eliminated producing an indirect savings for confined space equipment use/needs & lost productivity. $5,000 depreciation. |
| $0 | $0 | $25,000 | $0 | $0 | $0 | $0 | $25,000 | $1,250 depreciation. |
| $63,300 | $130,000 | $170,000 | $0 | $0 | $0 | $0 | $363,300 | |
| $107,000 | $0 | $0 | $0 | $0 | $0 | $0 | $107,000 | Reduction in maintenance to structure and increase in water quality. |
| $100,000 | $0 | $0 | $0 | $0 | $0 | $0 | $100,000 | Reduction in maintenance to structure and increase in water quality. |
| $207,000 | $0 | $0 | $0 | $0 | $0 | $0 | $207,000 | |
| $886,850 | $858,758 | $747,000 | $331,333 | $45,000 | $30,334 | $1,819,150 | $4,718,425 | |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Priority/Fund

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| **PRIORITY 3** | | | | | |
| Cemetery | Cemetery Road Paving Project | 3 | 20 | Cemetery Trust Fund and General Fund | Finishing the drives in the cemetery will provide a clean and solid surface during inclement weather for those visiting their loved ones during a funeral service. |
| | | | | | ***Total Cemetery Fund*** |
| Electric | Recondition #1 Hydro | 3 | 30 | Electric Fund | Improve the efficiency of the hydro power supply generated by the river flow. |
| Electric | Recondition #3 Hydro | 3 | 30 | Electric Fund | Improve the efficiency of the hydro power supply generated by the river flow. |
| Electric | Rewind Generator #2 | 3 | 30 | Electric Fund | The insulation is showing signs of aging. It is beginning to lose some of its insulating properties and will need to be replaced eventually in order to continue operating the equipment. |
| Electric | Rewind Generator #5 | 3 | 30 | Electric Fund | The insulation is showing signs of aging. It is beginning to lose some of its insulating properties and will need to be replaced eventually in order to continue operating the equipment. |
| | | | | | ***Total Electric Fund*** |
| Clerk-Treasurer | Accounting Software Upgrade | 3 | 5 | General Fund | Over time technology generally requires significant upgrades to existing software. Replace all accounting software with upgrades and interfaced modules to meet needs of the department. Pricing ranges from an estimated $40,000 to $60,000. |
| Parks | Paving north Ketchum Park parking lot | 3 | 20 | General Fund | Asphalt paving of parking lot adjacent to skate park, play structure and restrooms located in north Ketchum Park. |
| Streets | Sidewalk Ramp Installation | 3 | 50 | General Fund | Repair of 100 sidewalk ramps at intersections under the City's jurisdiction which do not currently have a handicap accessible ramp. |
| Town Hall | Soft Water System for Town Hall | 3 | 10 | General Fund | This project will improve the water quality throughout Town Hall. While our water supply in the City of Marshall is very good, the delivery of the water is equally important. In other words, we must upgrade the pipes to ensure good, quality water. The project will also include the replacement of water pipes in the basement of Town Hall that are badly deteriorated and soon to fail. We can ill afford to flood the basement of this building. |
| | | | | | ***Total General Fund*** |
| Marshall House | Kitchen Replacement | 3 | 15 | Marshall House Fund - Bond Issuance Building Authority | Remove old and replace with new cabinets, countertops and floor coverings with vinyl base. Current items from original construction in 1979. |
| | | | | | ***Total Marshall House Fund*** |
| Streets | Building HVAC Unit and Duct Work | 3 | 20 | Motor Pool and Schools | Currently the building is heated with electric baseboard heaters and cooled with wall AC units. Duct work can be run on the ceiling and the existing locker room and print room will be modified and updated to allow for the installation of a residential furnace and AC condenser. Eliminating the baseboard heaters will free up space in the electrical panels which are full at this time. |
| Motor Pool | Painting of DPW Building | 3 | 10 | Motor Pool and Schools | The finish is fading on the exterior walls and there are holes that need to be sealed up to prevent water damage. The surface of the metal siding needs to be washed, primed, and finish. |
| | | | | | ***Total Motor Pool Fund*** |
| Streets | Washington/Elm Improvements | 3 | 30 | MVH Local | Install curb and gutter, asphalt paving and drainage improvements on Elm from Washington to Clinton and on Washington from Elm to the fairgrounds. This project would coincide with installation of water main. |
| | | | | | ***Total MVH Major/Local Fund*** |
| Recreation | Replacement of Athletic Field Light System | 3 | 15 | Recreation Fund - Bond | The current lights on diamond #1 & #2 are approaching the end of their expected life. The entire system should be replaced. |
| Recreation | Seal Coating & Striping Athletic Field Parking Lot | 3 | 5 | Recreation Fund | Seal coating the asphalt parking lot of the Athletic Field. Over $62,000 of grant money was used to pave the parking lot in the summer of 2007. Seal coating is general maintenance to ensure the life of the parking lot and will help protect the investment made by the City of Marshall and the Cronin Foundation. |
| Recreation | Permanent Fencing on #3 & #4 | 3 | 40 | Recreation Fund | Permanent fencing on diamonds #3 & #4 is needed to expand the recreation program. With this renovation usage could extend beyond youth baseball into the area of women's and youth fastpitch. This addition will expand the professional element of this facility. |
| | | | | | ***Total Recreation Fund*** |
| Waste Water | Electrical Controls Replacement | 3 | 30 | Waste Water Fund | Current controls are 30 years old and replacement parts are no longer available |
| Waste Water | Pave Road to Waste Water Plant | 3 | 30 | Waste Water Fund | Pave the gravel roadway from Industrial Road/Mulberry St. to the Waste Water plant. |
| Waste Water | Install Electric Gate | 3 | 30 | Waste Water Fund | Homeland security measures require the gate remain closed when only one employee is on duty. For safety and convenience, an electric gate should be installed. |
| | | | | | ***Total Watste Water Fund*** |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Priority/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $0 | $0 | $50,000 | Will reduce the need to haul in gravel to build up the drives so that visitors to the cemetery will not be driving or stepping in the mud. |
| $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $0 | $0 | $50,000 | |
| $0 | $0 | $0 | $75,000 | $0 | $0 | $0 | $75,000 | $2,500 depreciation expense per year. |
| $0 | $0 | $0 | $0 | $75,000 | $0 | $0 | $75,000 | $2,500 depreciation expense per year. |
| $0 | $120,000 | $0 | $0 | $0 | $0 | $0 | $120,000 | $4,000 depreciation expense per year. |
| $0 | $0 | $132,000 | $0 | $0 | $0 | $0 | $132,000 | $4,400 depreciation expense per year. |
| $0 | $120,000 | $132,000 | $75,000 | $75,000 | $0 | $0 | $402,000 | |
| $0 | $0 | $64,315 | $0 | $0 | $0 | $0 | $64,315 | Complete interface will reduce staff time spent on manual entries. Annual maintenance cost may actually be reduced slightly. |
| $0 | $0 | $0 | $18,000 | $0 | $0 | $0 | $18,000 | $300 increase in maintenance costs per year. |
| $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $0 | $60,000 | Increased pedestrian safety. |
| $0 | $27,850 | $0 | $0 | $0 | $0 | $0 | $27,850 | The water system throughout Town Hall is extremely old and consists of a myriad of aged pipes. We have been told that a soft water system will extend the life of these water tanks by many years. The service located in the basement is presently galvanized and is soon going to need to be replaced because it is deteriorating so badly. The cost to install the water softener system includes replacement of the old pipes located in the basement. Reduce cleaning of fixtures. |
| $10,000 | $37,850 | $74,315 | $28,000 | $10,000 | $10,000 | $0 | $170,165 | |
| $561,200 | $0 | $0 | $0 | $0 | $0 | $0 | $561,200 | Depreciation expense of $37,414 annually. Repayment of principal and interest estimated at $30,000 per year for 15 year debt issue. |
| $561,200 | $0 | $0 | $0 | $0 | $0 | $0 | $561,200 | |
| $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 | Will reduce electric energy consumption which will be used towards City's energy optimization plan and a savings in utility costs. |
| $8,000 | $0 | $0 | $0 | $0 | $0 | $0 | $8,000 | Preserve the building through preventive maintenance and thereby reducing the possibility of any future major repairs. |
| $18,000 | $0 | $0 | $0 | $0 | $0 | $0 | $18,000 | |
| $0 | $237,000 | $0 | $0 | $0 | $0 | $0 | $237,000 | Reduce labor spent on repairing erosion problems. |
| $0 | $237,000 | $0 | $0 | $0 | $0 | $0 | $237,000 | |
| $0 | $0 | $0 | $0 | $0 | $300,000 | $0 | $300,000 | No effect on operational expenditures. |
| $0 | $0 | $0 | $7,500 | $0 | $0 | $0 | $7,500 | None expected. This is a general maintenance to ensure the life of the parking lot. |
| $0 | $13,207 | $0 | $0 | $0 | $0 | $0 | $13,207 | Reduce expenses in seasonal payroll by not having to install and take down temporary fencing yearly. Potential increased revenue as this would be a step in preparing these diamonds for adult women's & JO fastpitch leagues and tournaments. |
| $0 | $13,207 | $0 | $7,500 | $0 | $300,000 | $0 | $320,707 | |
| $0 | $0 | $65,000 | $0 | $0 | $0 | $0 | $65,000 | $2,167 depreciation. |
| $0 | $15,000 | $0 | $0 | $0 | $0 | $0 | $15,000 | Savings by not having to grade the road throughout the year. |
| $0 | $6,000 | $0 | $0 | $0 | $0 | $0 | $6,000 | Indirect savings by gaining more productivity from employee who doesn't have to manually open and close the gate. $200 depreciation. |
| $0 | $21,000 | $65,000 | $0 | $0 | $0 | $0 | $86,000 | |

**City of Marshall - Council**

# Capital Improvements Program

**Expenditures by Priority/Fund**

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| Water | Replace Chlorine Gas with Sodium Hypochlorite | 3 | 20 | Water Fund | Replace chlorine gas used for disinfecting the water with sodium hypochlorite. This is for safety reason. Presently the City is in compliance with MDEQ but regulations could change. |
| Water | Install New Water Service on Washington & Elm | 3 | 30 | Water Fund | Install water mains on Elm from Washington to Clinton and on Washington from Elm to the fairgrounds. This project would coincide with installation of curb, gutter, draining and street improvements. |
| Water | Replace Well House #4 | 3 | 30 | Water Fund | Replace the extra small well house that currently houses the #4 well. |
| | | | | | ***Total Water Fund*** |
| | | | | | |
| | | | | | **TOTAL PRIORITY 3** |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Priority/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| $0 | $0 | $0 | $100,000 | $0 | $0 | $0 | $100,000 | Increase in operational costs because sodium hypochlorite is a more expensive alternative. $5,000 depreciation. |
| $0 | $45,000 | $0 | $0 | $0 | $0 | $0 | $45,000 | Long term increase for maintenance of additional water main offset by potential increased revenue as more customers hook into the city water system. |
| $0 | $0 | $0 | $0 | $30,000 | $0 | $0 | $30,000 | Increased cost for heating a larger building. $1,000 depreciation. |
| $0 | $45,000 | $0 | $100,000 | $30,000 | $0 | $0 | $175,000 | |
| | | | | | | | | |
| $599,200 | $484,057 | $281,315 | $220,500 | $125,000 | $310,000 | $0 | $2,020,072 | |

**City of Marshall - Council**

# Capital Improvements Program

**Expenditures by Priority/Fund**

| Department | Project Title | Priority Ranking | Estimated Useful Life | Source of Funding | Project Narrative/Purpose |
|---|---|---|---|---|---|
| **PRIORITY 4** | | | | | |
| Electric | Upgrade Transformer in South Substation | 4 | 30 | Electric Fund | The transformer is circa 1972 that tests okay as of now but will need replacement in the future. |
| Electric | Remove 2400 Volt Switchgear and rewind Hydros | 4 | 25 | Electric Fund | Maintain electrical facilities. |
| Electric | Retrofit Breakers in Plant #1 Switchgear | 4 | 30 | Electric Fund | Switchgear is 1950's vintage that tests okay now but will need replacement in the future. Retrofitting of modern breakers in place of original is deemed to be the most cost effective way of bringing old gear up to date. |
| | | | | | ***Total Electric Fund*** |
| Parks | Purchase New Playground Equipment | 4 | 25 | General Fund | New playground equipment will be needed to replace equipment and to meet accessibility standards as indicated in the Parks & Rec Master Plan. |
| Police | Police Vehicle Changeover | 4 | 15 | General Fund | The Marshall Police Department will need to purchase new passenger cages, laptop mounts, video camera mounts, LED emergency lighting, and possible consoles for the new vehicles. The listed equipment is required for job function and safety to the public as well as the officers. |
| | | | | | ***Total General Fund*** |
| Marshall House | Replace Elevators | 4 | 25 | Marshall House Fund - Bond Issuance Building Authority | Existing elevators (2) are experiencing problems with the jack assemblies and power units that do not pose a safety concern but are troubling to the tenants. The life expectancy on many elevator parts is 25 years. These are the original elevators installed in 1979. Replacing the worn parts is nearly the same cost as complete replacement. |
| | | | | | ***Total Marshall House Fund*** |
| Recreation | Athletic Field Sign | 4 | 20 | Recreation Fund | The purchase of signage at the Athletic Field Complex would provide identification for those traveling to Marshall to use the facility and provide identification as a City of Marshall facility. Signage would also add a touch of professionalism. |
| Recreation | Dug Outs | 4 | 10 | Recreation Fund | To complete recent renovations to Athletic Field, dug outs for diamonds #1 & #2 can provide additional safety and protection to players, add a professional element to the facility and will be visually pleasing which may help expand programming. |
| Recreation | Sprinkler System Diamond #3 & #4 | 4 | 50 | Recreation Fund | Irrigation on diamonds #3 & #4 would be the final step in the effort to expand the recreation department at this facility. With this addition usage could include adult women's & JO fastpitch leagues and tournaments. In addition, it will greatly enhance play in various youth leagues which are the primary users on these diamonds. |
| | | | | | ***Total Recreation Fund*** |
| | | | | | |
| | | | | | **TOTAL PRIORITY 4** |
| | | | | | |
| **GRAND TOTAL** | | | | | |

## City of Marshall - Council

# Capital Improvements Program

### Expenditures by Priority/Fund

| 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure | Impact on Operating Budget |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| $0 | $200,000 | $0 | $0 | $0 | $0 | $0 | $200,000 | No direct cost or savings. $6,666 depreciation. |
| $0 | $0 | $100,000 | $100,000 | $0 | $0 | $0 | $200,000 | $8,000 depreciation expense per year. |
| $50,000 | $50,000 | $0 | $0 | $0 | $0 | $0 | $100,000 | No direct cost or savings. $3,333 depreciation. |
| $50,000 | $250,000 | $100,000 | $100,000 | $0 | $0 | $0 | $500,000 | |
| $0 | $0 | $0 | $0 | $0 | $45,000 | $0 | $45,000 | No effect on operational revenues and expenditures anticipated. |
| $0 | $0 | $10,000 | $0 | $0 | $0 | $2,000 | $12,000 | The Ford Crown Victoria will probably cease to exist in 2012. Therefore the emergency equipment currently installed in the Ford Crown Victoria will not be compatible with a new design vehicle yet to be determined. |
| $0 | $0 | $10,000 | $0 | $0 | $45,000 | $2,000 | $57,000 | |
| $0 | $363,500 | $0 | $0 | $0 | $0 | $0 | $363,500 | Depreciation expense of $14,540 annually. |
| $0 | $363,500 | $0 | $0 | $0 | $0 | $0 | $363,500 | |
| $0 | $0 | $8,000 | $0 | $0 | $0 | $0 | $8,000 | No effect on operations. |
| $0 | $0 | $0 | $41,200 | $0 | $0 | $0 | $41,200 | Potential increased revenue by attracting additional tournaments. |
| $0 | $0 | $0 | $0 | $25,000 | $0 | $0 | $25,000 | Potential increased revenue as this would be the final step in preparing these diamonds for adult women's & JO fastpitch leagues and tournaments. |
| $0 | $0 | $8,000 | $41,200 | $25,000 | $0 | $0 | $74,200 | |
| | | | | | | | | |
| $50,000 | $613,500 | $118,000 | $141,200 | $25,000 | $45,000 | $2,000 | $994,700 | |
| | | | | | | | | |
| $2,291,009 | $2,752,415 | $1,459,515 | $1,174,333 | $611,685 | $537,584 | $1,821,150 | $10,647,691 | |

**City of Marshall – Council**

# Capital Improvements Program

## Priority Summary by Source of Funding

## City of Marshall - Council

# Capital Improvements Program

### Priority Summary by Source of Funding

| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PRIORITY 1** | | | | | | | | | | | |
| Electric | Secondary Oil Containment | 1 | Elect | $25,000 | $0 | $0 | $0 | $0 | $0 | $0 | $25,000 |
| Electric | Switchgear Replacement | 1 | Elect | $202,000 | $0 | $0 | $0 | $0 | $0 | $0 | $202,000 |
| Electric | Switchgear Expansion | 1 | Elect | $0 | $75,000 | $0 | $0 | $0 | $0 | $0 | $75,000 |
| Electric | Installation of Fiber | 1 | Elect | $20,000 | $0 | $0 | $0 | $0 | $0 | $0 | $20,000 |
| Fire | Personal Alert Safety System (P.A.S.S. Device) Replacement | 1 | GF | $10,325 | $0 | $0 | $0 | $0 | $12,250 | $0 | $22,575 |
| Fire | Fire Pager Replacement (Motorola Minitor V model) | 1 | GF | $5,750 | $0 | $0 | $0 | $0 | $0 | $0 | $5,750 |
| Police | Protective Body Armor | 1 | GF | $5,000 | $0 | $5,000 | $0 | $5,000 | $0 | $0 | $15,000 |
| Town Hall | Windows | 1 | GF | $12,000 | $12,000 | $12,000 | $0 | $0 | $0 | $0 | $36,000 |
| Fire | Hurst Jaws-of-Life Replacement Cutter | 1 | GF/AAA Insurance Grant | $6,000 | $0 | $0 | $0 | $0 | $0 | $0 | $6,000 |
| Fire | Structural Fire Fighting Protective Clothing Purchase | 1 | GF/FEMA Grant w/ 5% match | $8,500 | $9,000 | $9,500 | $10,000 | $10,500 | $11,000 | $0 | $58,500 |
| Marshall House | Trash Compactor | 1 | M/H | $14,384 | $0 | $0 | $0 | $0 | $0 | $0 | $14,384 |
| Marshall House | ADA Tub-Shower Combinations & Vinyl Floor Covering | 1 | M/H | $9,000 | $9,000 | $9,000 | $9,000 | $9,000 | $9,000 | $0 | $54,000 |
| Motor Pool - Equipment | Leaf Loader Refurbishing | 1 | MP | $60,000 | $0 | $60,000 | $0 | $60,000 | $0 | $0 | $180,000 |
| Motor Pool - Equipment | Replace 2002 Skid Steer | 1 | MP | $0 | $45,000 | $0 | $0 | $0 | $0 | $0 | $45,000 |
| Motor Pool - Equipment | Replace 1989 Ford Backhoe | 1 | MP | $0 | $125,000 | $0 | $0 | $0 | $0 | $0 | $125,000 |
| Motor Pool - Equipment | Replace 1991 JD Loader | 1 | MP | $0 | $100,000 | $100,000 | $0 | $0 | $0 | $0 | $200,000 |
| Motor Pool - Equipment | Replace 1998 International 2 1/2 T Dump Truck | 1 | MP | $0 | $0 | $0 | $110,000 | $0 | $0 | $0 | $110,000 |
| Motor Pool - Equipment | Replace 1996 International 2 1/2 T Dump Truck | 1 | MP | $0 | $110,000 | $0 | $0 | $0 | $0 | $0 | $110,000 |

## City of Marshall - Council

# Capital Improvements Program

### Priority Summary by Source of Funding

| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Motor Pool - Equipment | Replace 1998 Ford 1 T Dump Truck | 1 | MP | $0 | $0 | $56,000 | $0 | $0 | $0 | $0 | $56,000 |
| Motor Pool - Equipment | Replace 2000 Broom Bear Sweeper | 1 | MP | $200,000 | $0 | $0 | $0 | $0 | $0 | $0 | $200,000 |
| Motor Pool - Equipment | Replace 1991 Brush Chipper | 1 | MP | $0 | $0 | $0 | $55,000 | $0 | $0 | $0 | $55,000 |
| Motor Pool - Equipment | Replace 2006 Sterling Vactor | 1 | MP | $0 | $200,000 | $0 | $0 | $0 | $0 | $0 | $200,000 |
| Motor Pool - Equipment | Replace 2002 International Versalift Bucket Truck | 1 | MP | $0 | $0 | $0 | $185,000 | $0 | $0 | $0 | $185,000 |
| Motor Pool - Equipment | Replace 1997 Ford 1 T Dump Truck | 1 | MP | $0 | $50,000 | $0 | $0 | $0 | $0 | $0 | $50,000 |
| Motor Pool - Equipment | Replace 1998 Jeep Cherokee | 1 | MP | $0 | $0 | $19,700 | $0 | $0 | $0 | $0 | $19,700 |
| Motor Pool - Equipment | Replace 1997 Ford Taurus | 1 | MP | $18,500 | $0 | $0 | $0 | $0 | $0 | $0 | $18,500 |
| Motor Pool - Equipment | Replace 2005 Crown Victoria | 1 | MP | $0 | $22,000 | $0 | $0 | $0 | $0 | $0 | $22,000 |
| Motor Pool - Equipment | Replace 1998 Escort Station Wagon | 1 | MP | $0 | $19,100 | $0 | $0 | $0 | $0 | $0 | $19,100 |
| Motor Pool - Equipment | Replace 1999 Dodge 4WD Pickup | 1 | MP | $0 | $0 | $0 | $25,000 | $0 | $0 | $0 | $25,000 |
| Motor Pool - Equipment | Replace 1999 Dodge 4WD Pickup | 1 | MP | $0 | $0 | $0 | $25,000 | $0 | $0 | $0 | $25,000 |
| Motor Pool - Equipment | Replace 1996 Dodge Pickup | 1 | MP | $18,000 | $0 | $0 | $0 | $0 | $0 | $0 | $18,000 |
| Motor Pool - Equipment | Replace 1999 Dodge Van | 1 | MP | $0 | $0 | $0 | $20,300 | $0 | $0 | $0 | $20,300 |
| Motor Pool - Equipment | Replace 1995 Ford 4WD Pickup | 1 | MP | $25,000 | $0 | $0 | $0 | $0 | $0 | $0 | $25,000 |
| Motor Pool - Equipment | Replace 1997 Ford F-150 Pickup | 1 | MP | $18,000 | $0 | $0 | $0 | $0 | $0 | $0 | $18,000 |
| Motor Pool - Equipment | Replace 2008 Crown Victoria | 1 | MP | $0 | $0 | $0 | $22,000 | $0 | $0 | $0 | $22,000 |
| Motor Pool - Equipment | Replace 2006 Crown Victoria | 1 | MP | $0 | $0 | $22,000 | $0 | $0 | $0 | $0 | $22,000 |
| Motor Pool - Equipment | Replace Zero Turn Mowers | 1 | MP | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $0 | $120,000 |

## City of Marshall - Council

# Capital Improvements Program

### Priority Summary by Source of Funding

| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Motor Pool - Equipment | Replace 2001 Ford Windstar Van | 1 | MP | $0 | $0 | $0 | $0 | $23,000 | $0 | $0 | $23,000 |
| Motor Pool - Equipment | Replace 2000 Dodge 4WD Pickup | 1 | MP | $0 | $0 | $0 | $0 | $23,185 | $0 | $0 | $23,185 |
| Motor Pool - Equipment | Replace 2000 Ford 1 T F-450 | 1 | MP | $0 | $0 | $0 | $0 | $56,000 | $0 | $0 | $56,000 |
| Motor Pool - Equipment | Replace 2000 Ford 2 1/2 T Dump Truck | 1 | MP | $0 | $0 | $0 | $0 | $110,000 | $0 | $0 | $110,000 |
| Motor Pool - Equipment | Replace Cat Loader | 1 | MP | $0 | $0 | $0 | $0 | $100,000 | $100,000 | $0 | $200,000 |
| Waste Water | Exchange Muffin Monster | 1 | WW | $17,500 | $0 | $0 | $0 | $0 | $0 | $0 | $17,500 |
| Waste Water | I & I Study (Inflow and Infiltration) | 1 | WW | $60,000 | $0 | $0 | $0 | $0 | $0 | $0 | $60,000 |
| | | | **Total Priority 1** | $754,959 | $796,100 | $313,200 | $481,300 | $416,685 | $152,250 | $0 | $2,914,494 |
| **PRIORITY 2** | | | | | | | | | | | |
| Airport | Taxiway Rehabilitation | 2 | Airport | $0 | $8,625 | $0 | $0 | $0 | $0 | $360,750 | $369,375 |
| Cemetery | Cemetery water distribution system | 2 | Cemetery/GF | $0 | $45,000 | $0 | $0 | $0 | $0 | $0 | $45,000 |
| Data Processing | Microsoft Office Suite Upgrade | 2 | DP | $20,000 | $0 | $0 | $0 | $0 | $0 | $0 | $20,000 |
| Downtown Development Authority | Parking lot pavement sealing | 2 | DDA | $0 | $0 | $10,000 | $10,000 | $10,000 | $0 | $0 | $30,000 |
| Electric | Plant Video Camera System | 2 | Elect | $15,000 | $0 | $0 | $0 | $0 | $0 | $0 | $15,000 |
| Electric | Replace Protective Relaying - Generators | 2 | Elect | $0 | $0 | $36,000 | $0 | $0 | $0 | $0 | $36,000 |
| Electric | Replace Protective Relaying - Transformers | 2 | Elect | $0 | $0 | $17,000 | $0 | $0 | $0 | $0 | $17,000 |
| Electric | Replace Protective Relaying - Distribution | 2 | Elect | $0 | $48,000 | $48,000 | $0 | $0 | $0 | $0 | $96,000 |
| Electric | Replace Pilot Wire Relaying | 2 | Elect | $32,000 | $0 | $0 | $0 | $0 | $0 | $0 | $32,000 |
| Electric | Capacitor Banks | 2 | Elect | $22,000 | $22,000 | $0 | $0 | $0 | $0 | $0 | $44,000 |

## City of Marshall - Council

# Capital Improvements Program

### Priority Summary by Source of Funding

| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Electric | Raceway/Dam Maintenance | 2 | Elect | $0 | $15,000 | $0 | $15,000 | $0 | $15,000 | $0 | $45,000 |
| Electric | Air Compressor Replacement | 2 | Elect | $0 | $15,000 | $15,000 | $15,000 | $0 | $0 | $0 | $45,000 |
| Electric | Meter / Relay Calibration | 2 | Elect | $25,000 | $0 | $0 | $25,000 | $0 | $0 | $0 | $50,000 |
| Electric | Power House Roof Repairs | 2 | Elect | $0 | $0 | $50,000 | $0 | $0 | $0 | $0 | $50,000 |
| Electric | Automated Load Control of Hydro | 2 | Elect | $50,000 | $50,000 | $0 | $0 | $0 | $0 | $0 | $100,000 |
| Electric | Upgrade Plant #1 House Power Panels | 2 | Elect | $7,500 | $7,500 | $75,000 | $0 | $0 | $0 | $0 | $90,000 |
| Electric | Upgrade Lube Oil Filter Systems on #2 & #5 Engines | 2 | Elect | $7,500 | $7,500 | $0 | $0 | $0 | $0 | $0 | $15,000 |
| Electric | Upgrade Lube Oil Heating Systems on #2 & #5 Engines | 2 | Elect | $5,000 | $5,000 | $0 | $0 | $0 | $0 | $0 | $10,000 |
| Electric | Upgrade Engine Protection Systems #2 & #5 | 2 | Elect | $15,000 | $15,000 | $0 | $0 | $0 | $0 | $0 | $30,000 |
| Electric | Engine #3 & #6 gauge panel replacement | 2 | Elect | $0 | $80,000 | $80,000 | $0 | $0 | $0 | $0 | $160,000 |
| Electric | Overhaul East Well pump | 2 | Elect | $0 | $15,000 | $0 | $0 | $0 | $0 | $0 | $15,000 |
| Electric | Overhaul West Well pump | 2 | Elect | $0 | $0 | $0 | $15,000 | $0 | $0 | $0 | $15,000 |
| Electric | Overhaul #3 Engine Raw Water Pump | 2 | Elect | $12,000 | $0 | $0 | $0 | $0 | $0 | $0 | $12,000 |
| Electric | Installation of Circuit Reclosers | 2 | Elect | $20,000 | $22,000 | $0 | $0 | $0 | $0 | $0 | $42,000 |
| Electric | #2 Engine Water Pump Replacement | 2 | Elect | $7,500 | $0 | $0 | $0 | $0 | $0 | $0 | $7,500 |
| Electric | Purchase Filter Pump for Load Tap Changers | 2 | Elect | $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 |
| Electric | Add Level Alarms to Engine Fuel Day Tanks | 2 | Elect | $8,250 | $0 | $0 | $0 | $0 | $0 | $0 | $8,250 |
| Electric | Breaker Maintenance | 2 | Elect | $0 | $0 | $0 | $0 | $25,000 | $0 | $0 | $25,000 |
| Fire | Radio Replacement | 2 | GF | $0 | $10,300 | $0 | $0 | $0 | $0 | $0 | $10,300 |

## City of Marshall - Council

# Capital Improvements Program

### Priority Summary by Source of Funding

| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Parks | North Ketchum Park Time Locks With New Doors | 2 | GF | $8,000 | $0 | $0 | $0 | $0 | $0 | $0 | $8,000 |
| Town Hall | Town Hall Repairs | 2 | GF | $0 | $13,500 | $0 | $0 | $0 | $0 | $0 | $13,500 |
| PSB Operations | PSB Parking Lot and Drive Crack Filling, Patching, and Sealing | 2 | Depart Cost Allocation/Rents | $22,000 | $0 | $0 | $0 | $0 | $0 | $0 | $22,000 |
| Police | Mobile Laptop Computers | 2 | GF or 911 fees or drug forfeiture funds | $0 | $5,333 | $0 | $5,333 | $0 | $5,334 | $2,000 | $18,000 |
| Police | Forensic Equipment | 2 | GF/Grant | $0 | $9,000 | $0 | $0 | $0 | $0 | $0 | $9,000 |
| Clerk-Treasurer | Mailer Stuffer Equipment for Utility Billing and Tax Billing Statements | 2 | GF 15%/Elect 42.5%/WasteWater 21.25%/Water 21.25% | $10,300 | $0 | $0 | $0 | $0 | $0 | $1,000 | $11,300 |
| Streets | Storage Rack for Salt Spreaders and Dump Box Covers | 2 | GF | $6,000 | $0 | $0 | $0 | $0 | $0 | $0 | $6,000 |
| Streets | Sidewalk Repair | 2 | GF | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $0 | $60,000 |
| Streets | Union Street Drainage Improvements | 2 | GF | $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 |
| Marshall House | Electric Wall Heaters (10) | 2 | M/H | $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 |
| Motor Pool | Tire Changer | 2 | MP Capital | $7,000 | $0 | $0 | $0 | $0 | $0 | $0 | $7,000 |
| Streets | Building Insulation for Sidewalls and Ceiling | 2 | MP/Schools | $20,000 | $0 | $0 | $0 | $0 | $0 | $0 | $20,000 |
| Streets | Street Reconstruction & Preventive Maintenance FYs 2011-2014 | 2 | MVH Major/MVH Local/GF (Road report recommended $100k Major, $136K Local) | $236,000 | $236,000 | $236,000 | $236,000 | $0 | $0 | $0 | $944,000 |
| Streets | Bridge Replacement-Monroe Street @ Rice Creek | 2 | MVH Major/MDOT grant | $0 | $27,500 | $0 | $0 | $0 | $0 | $443,650 | $471,150 |
| Streets | Bridge Replacement-Marshall Ave @ Kalamazoo River | 2 | MVH Major/MDOT grant | $0 | $61,500 | $0 | $0 | $0 | $0 | $1,011,750 | $1,073,250 |
| Recreation | Replace Current Digital Duplicator | 2 | Rec 70%/GF 30% | $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 |
| Recreation | Removal of Wooden Bleachers/ Press Box at Athletic Field | 2 | Rec | $3,000 | $0 | $0 | $0 | $0 | $0 | $0 | $3,000 |
| Recreation | Fence Guard & Outfield Screening #1 & #2 | 2 | Rec | $7,500 | $0 | $0 | $0 | $0 | $0 | $0 | $7,500 |
| Waste Water | Crack Sealing and Seal Coating WWTP Drive | 2 | WW | $9,300 | $0 | $0 | $0 | $0 | $0 | $0 | $9,300 |

## City of Marshall - Council

# Capital Improvements Program

### Priority Summary by Source of Funding

| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Waste Water | Primary Sludge Pump | 2 | WW | $0 | $0 | $20,000 | $0 | $0 | $0 | $0 | $20,000 |
| Waste Water | Raw sludge tank mixer | 2 | WW | $20,000 | $20,000 | $0 | $0 | $0 | $0 | $0 | $40,000 |
| Waste Water | 4" Emergency By Pass Pump | 2 | WW | $14,000 | $0 | $0 | $0 | $0 | $0 | $0 | $14,000 |
| Waste Water | Valve Replacement | 2 | WW | $20,000 | $20,000 | $0 | $0 | $0 | $0 | $0 | $40,000 |
| Waste Water | Replace High School Lift Station | 2 | WW | $0 | $90,000 | $0 | $0 | $0 | $0 | $0 | $90,000 |
| Waste Water | Replace Industrial Park Lift Station | 2 | WW | $0 | $0 | $125,000 | $0 | $0 | $0 | $0 | $125,000 |
| Waste Water | Gear Box Replacement | 2 | WW | $0 | $0 | $25,000 | $0 | $0 | $0 | $0 | $25,000 |
| Water | 200,000 Gallon Water Tower Improvements | 2 | Water | $107,000 | $0 | $0 | $0 | $0 | $0 | $0 | $107,000 |
| Water | Valve Replacement | 2 | Water-Bond | $100,000 | $0 | $0 | $0 | $0 | $0 | $0 | $100,000 |
| | | | **Total Priority 2** | $886,850 | $858,758 | $747,000 | $331,333 | $45,000 | $30,334 | $1,819,150 | $4,718,425 |
| **PRIORITY 3** | | | | | | | | | | | |
| Cemetery | Cemetery Road Paving Project | 3 | Cemetery/GF | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $0 | $0 | $50,000 |
| Electric | Recondition #1 Hydro | 3 | Elect | $0 | $0 | $0 | $75,000 | $0 | $0 | $0 | $75,000 |
| Electric | Recondition #3 Hydro | 3 | Elect | $0 | $0 | $0 | $0 | $75,000 | $0 | $0 | $75,000 |
| Electric | Rewind Generator #2 | 3 | Elect | $0 | $120,000 | $0 | $0 | $0 | $0 | $0 | $120,000 |
| Electric | Rewind Generator #5 | 3 | Elect | $0 | $0 | $132,000 | $0 | $0 | $0 | $0 | $132,000 |
| Clerk-Treasurer | Accounting Software Upgrade | 3 | GF | $0 | $0 | $64,315 | $0 | $0 | $0 | $0 | $64,315 |
| Parks | Paving north Ketchum Park parking lot | 3 | GF | $0 | $0 | $0 | $18,000 | $0 | $0 | $0 | $18,000 |
| Streets | Sidewalk Ramp Installation | 3 | GF | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $0 | $60,000 |

## City of Marshall - Council

# Capital Improvements Program

### Priority Summary by Source of Funding

| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Town Hall | Soft Water System for Town Hall | 3 | GF | $0 | $27,850 | $0 | $0 | $0 | $0 | $0 | $27,850 |
| Marshall House | Kitchen Replacement | 3 | M/H - Build Auth Bond | $561,200 | $0 | $0 | $0 | $0 | $0 | $0 | $561,200 |
| Motor Pool | Painting of DPW Building | 3 | MP/Schools | $8,000 | $0 | $0 | $0 | $0 | $0 | $0 | $8,000 |
| Streets | Building HVAC Unit and Duct Work | 3 | MP/Schools | $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 |
| Streets | Washington/Elm Improvements | 3 | MVH Local | $0 | $237,000 | $0 | $0 | $0 | $0 | $0 | $237,000 |
| Recreation | Replacement of Athletic Field Light System | 3 | Rec - Bond | $0 | $0 | $0 | $0 | $0 | $300,000 | $0 | $300,000 |
| Recreation | Seal Coating & Striping Athletic Field Parking Lot | 3 | Rec | $0 | $0 | $0 | $7,500 | $0 | $0 | $0 | $7,500 |
| Recreation | Permanent Fencing on #3 & #4 | 3 | Rec | $0 | $13,207 | $0 | $0 | $0 | $0 | $0 | $13,207 |
| Waste Water | Electrical Controls Replacement | 3 | WW | $0 | $0 | $65,000 | $0 | $0 | $0 | $0 | $65,000 |
| Waste Water | Pave Road to Waste Water Plant | 3 | WW | $0 | $15,000 | $0 | $0 | $0 | $0 | $0 | $15,000 |
| Waste Water | Install Electric Gate | 3 | WW | $0 | $6,000 | $0 | $0 | $0 | $0 | $0 | $6,000 |
| Water | Replace Chlorine Gas with Sodium Hypochlorite | 3 | Water | $0 | $0 | $0 | $100,000 | $0 | $0 | $0 | $100,000 |
| Water | Install New Water Service on Washington & Elm | 3 | Water | $0 | $45,000 | $0 | $0 | $0 | $0 | $0 | $45,000 |
| Water | Replace Well House #4 | 3 | Water | $0 | $0 | $0 | $0 | $30,000 | $0 | $0 | $30,000 |
| | | | **Total Priority 3** | $599,200 | $484,057 | $281,315 | $220,500 | $125,000 | $310,000 | $0 | $2,020,072 |
| **PRIORITY 4** | | | | | | | | | | | |
| Electric | Upgrade Transformer in South Substation | 4 | Elect | $0 | $200,000 | $0 | $0 | $0 | $0 | $0 | $200,000 |
| Electric | Remove 2400 Volt Switchgear and rewind Hydros | 4 | Elect | $0 | $0 | $100,000 | $100,000 | $0 | $0 | $0 | $200,000 |
| Electric | Retrofit Breakers in Plant #1 Switchgear | 4 | Elect | $50,000 | $50,000 | $0 | $0 | $0 | $0 | $0 | $100,000 |

## City of Marshall - Council

# Capital Improvements Program

### Priority Summary by Source of Funding

| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Parks | Purchase New Playground Equipment | 4 | GF | $0 | $0 | $0 | $0 | $0 | $45,000 | $0 | $45,000 |
| Police | Police Vehicle Changeover | 4 | GF | $0 | $0 | $10,000 | $0 | $0 | $0 | $2,000 | $12,000 |
| Marshall House | Replace Elevators | 4 | M/H - Build Auth Bond | $0 | $363,500 | $0 | $0 | $0 | $0 | $0 | $363,500 |
| Recreation | Athletic Field Sign | 4 | Rec | $0 | $0 | $8,000 | $0 | $0 | $0 | $0 | $8,000 |
| Recreation | Dug Outs | 4 | Rec | $0 | $0 | $0 | $41,200 | $0 | $0 | $0 | $41,200 |
| Recreation | Sprinkler System Diamond #3 & #4 | 4 | Rec | $0 | $0 | $0 | $0 | $25,000 | $0 | $0 | $25,000 |
| | | | **Total Priority 4** | $50,000 | $613,500 | $118,000 | $141,200 | $25,000 | $45,000 | $2,000 | $994,700 |
| | | | | | | | | | | | |
| **GRAND TOTAL** | | | | $2,291,009 | $2,752,415 | $1,459,515 | $1,174,333 | $611,685 | $537,584 | $1,821,150 | $10,647,691 |

**City of Marshall**

# Capital Improvements Program

## Priority Summary by Source of Funding

**All Projects (Planning Commission and Council)**

City of Marshall

# Capital Improvements Program

## Priority Summary by Source of Funding

| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **PRIORITY 1** | | | | | | | | | | | |
| Electric | Secondary Oil Containment | 1 | Elect | $25,000 | $0 | $0 | $0 | $0 | $0 | $0 | $25,000 |
| Electric | Switchgear Replacement | 1 | Elect | $202,000 | $0 | $0 | $0 | $0 | $0 | $0 | $202,000 |
| Electric | Switchgear Expansion | 1 | Elect | $0 | $75,000 | $0 | $0 | $0 | $0 | $0 | $75,000 |
| Electric | Installation of Fiber | 1 | Elect | $20,000 | $0 | $0 | $0 | $0 | $0 | $0 | $20,000 |
| Fire | Personal Alert Safety System (P.A.S.S. Device) Replacement | 1 | GF | $10,325 | $0 | $0 | $0 | $0 | $12,250 | $0 | $22,575 |
| Fire | Fire Pager Replacement (Motorola Minitor V model) | 1 | GF | $5,750 | $0 | $0 | $0 | $0 | $0 | $0 | $5,750 |
| Fire/Police | New Public Safety Facility-Preliminary Planning | 1 | General Fund Reserves | $100,000 | $0 | $0 | $0 | $0 | $0 | $0 | $100,000 |
| Police | Protective Body Armor | 1 | GF | $5,000 | $0 | $5,000 | $0 | $5,000 | $0 | $0 | $15,000 |
| Town Hall | Windows | 1 | GF | $12,000 | $12,000 | $12,000 | $0 | $0 | $0 | $0 | $36,000 |
| Fire | Hurst Jaws-of-Life Replacement Cutter | 1 | GF/AAA Insurance Grant | $6,000 | $0 | $0 | $0 | $0 | $0 | $0 | $6,000 |
| Fire | Structural Fire Fighting Protective Clothing Purchase | 1 | GF/FEMA Grant w/ 5% match | $8,500 | $9,000 | $9,500 | $10,000 | $10,500 | $11,000 | $0 | $58,500 |
| Marshall House | Trash Compactor | 1 | M/H | $14,384 | $0 | $0 | $0 | $0 | $0 | $0 | $14,384 |
| Marshall House | ADA Tub-Shower Combinations & Vinyl Floor Covering | 1 | M/H | $9,000 | $9,000 | $9,000 | $9,000 | $9,000 | $9,000 | $0 | $54,000 |
| Motor Pool - Equipment | Leaf Loader Refurbishing | 1 | MP | $60,000 | $0 | $60,000 | $0 | $60,000 | $0 | $0 | $180,000 |
| Motor Pool - Equipment | Replace 2002 Skid Steer | 1 | MP | $0 | $45,000 | $0 | $0 | $0 | $0 | $0 | $45,000 |
| Motor Pool - Equipment | Replace 1989 Ford Backhoe | 1 | MP | $0 | $125,000 | $0 | $0 | $0 | $0 | $0 | $125,000 |
| Motor Pool - Equipment | Replace 1991 JD Loader | 1 | MP | $0 | $100,000 | $100,000 | $0 | $0 | $0 | $0 | $200,000 |
| Motor Pool - Equipment | Replace 1998 International 2 1/2 T Dump Truck | 1 | MP | $0 | $0 | $0 | $110,000 | $0 | $0 | $0 | $110,000 |
| Motor Pool - Equipment | Replace 1996 International 2 1/2 T Dump Truck | 1 | MP | $0 | $110,000 | $0 | $0 | $0 | $0 | $0 | $110,000 |
| Motor Pool - Equipment | Replace 1998 Ford 1 T Dump Truck | 1 | MP | $0 | $0 | $56,000 | $0 | $0 | $0 | $0 | $56,000 |
| Motor Pool - Equipment | Replace 2000 Broom Bear Sweeper | 1 | MP | $200,000 | $0 | $0 | $0 | $0 | $0 | $0 | $200,000 |

City of Marshall

# Capital Improvements Program

## Priority Summary by Source of Funding

| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Motor Pool - Equipment | Replace 1991 Brush Chipper | 1 | MP | $0 | $0 | $0 | $55,000 | $0 | $0 | $0 | $55,000 |
| Motor Pool - Equipment | Replace 2006 Sterling Vactor | 1 | MP | $0 | $200,000 | $0 | $0 | $0 | $0 | $0 | $200,000 |
| Motor Pool - Equipment | Replace 2002 International Versalift Bucket Truck | 1 | MP | $0 | $0 | $0 | $185,000 | $0 | $0 | $0 | $185,000 |
| Motor Pool - Equipment | Replace 1997 Ford 1 T Dump Truck | 1 | MP | $0 | $50,000 | $0 | $0 | $0 | $0 | $0 | $50,000 |
| Motor Pool - Equipment | Replace 1998 Jeep Cherokee | 1 | MP | $0 | $0 | $19,700 | $0 | $0 | $0 | $0 | $19,700 |
| Motor Pool - Equipment | Replace 1997 Ford Taurus | 1 | MP | $18,500 | $0 | $0 | $0 | $0 | $0 | $0 | $18,500 |
| Motor Pool - Equipment | Replace 2005 Crown Victoria | 1 | MP | $0 | $22,000 | $0 | $0 | $0 | $0 | $0 | $22,000 |
| Motor Pool - Equipment | Replace 1998 Escort Station Wagon | 1 | MP | $0 | $19,100 | $0 | $0 | $0 | $0 | $0 | $19,100 |
| Motor Pool - Equipment | Replace 1999 Dodge 4WD Pickup | 1 | MP | $0 | $0 | $0 | $25,000 | $0 | $0 | $0 | $25,000 |
| Motor Pool - Equipment | Replace 1999 Dodge 4WD Pickup | 1 | MP | $0 | $0 | $0 | $25,000 | $0 | $0 | $0 | $25,000 |
| Motor Pool - Equipment | Replace 1996 Dodge Pickup | 1 | MP | $18,000 | $0 | $0 | $0 | $0 | $0 | $0 | $18,000 |
| Motor Pool - Equipment | Replace 1999 Dodge Van | 1 | MP | $0 | $0 | $0 | $20,300 | $0 | $0 | $0 | $20,300 |
| Motor Pool - Equipment | Replace 1995 Ford 4WD Pickup | 1 | MP | $25,000 | $0 | $0 | $0 | $0 | $0 | $0 | $25,000 |
| Motor Pool - Equipment | Replace 1997 Ford F-150 Pickup | 1 | MP | $18,000 | $0 | $0 | $0 | $0 | $0 | $0 | $18,000 |
| Motor Pool - Equipment | Replace 2008 Crown Victoria | 1 | MP | $0 | $0 | $0 | $22,000 | $0 | $0 | $0 | $22,000 |
| Motor Pool - Equipment | Replace 2006 Crown Victoria | 1 | MP | $0 | $0 | $22,000 | $0 | $0 | $0 | $0 | $22,000 |
| Motor Pool - Equipment | Replace Zero Turn Mowers | 1 | MP | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $0 | $120,000 |
| Motor Pool - Equipment | Replace 2001 Ford Windstar Van | 1 | MP | $0 | $0 | $0 | $0 | $23,000 | $0 | $0 | $23,000 |
| Motor Pool - Equipment | Replace 2000 Dodge 4WD Pickup | 1 | MP | $0 | $0 | $0 | $0 | $23,185 | $0 | $0 | $23,185 |
| Motor Pool - Equipment | Replace 2000 Ford 1 T F-450 | 1 | MP | $0 | $0 | $0 | $0 | $56,000 | $0 | $0 | $56,000 |
| Motor Pool - Equipment | Replace 2000 Ford 2 1/2 T Dump Truck | 1 | MP | $0 | $0 | $0 | $0 | $110,000 | $0 | $0 | $110,000 |
| Motor Pool - Equipment | Replace Cat Loader | 1 | MP | $0 | $0 | $0 | $0 | $100,000 | $100,000 | $0 | $200,000 |

City of Marshall

# Capital Improvements Program

## Priority Summary by Source of Funding

| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Waste Water | Exchange Muffin Monster | 1 | WW | $17,500 | $0 | $0 | $0 | $0 | $0 | $0 | $17,500 |
| Waste Water | I & I Study (Inflow and Infiltration) | 1 | WW | $60,000 | $0 | $0 | $0 | $0 | $0 | $0 | $60,000 |
| | | | **Total Priority 1** | $854,959 | $796,100 | $313,200 | $481,300 | $416,685 | $152,250 | $0 | $3,014,494 |
| **PRIORITY 2** | | | | | | | | | | | |
| Airport | Taxiway Rehabilitation | 2 | Airport 2 1/2%/FAA Allocation 95%/State 2 1/2% | $0 | $8,625 | $0 | $0 | $0 | $0 | $360,750 | $369,375 |
| Cemetery | Cemetery water distribution system | 2 | Cemetery/GF | $0 | $45,000 | $0 | $0 | $0 | $0 | $0 | $45,000 |
| Data Processing | Microsoft Office Suite Upgrade | 2 | DP | $20,000 | $0 | $0 | $0 | $0 | $0 | $0 | $20,000 |
| Downtown Development Authority | Parking lot pavement sealing | 2 | DDA | $0 | $0 | $10,000 | $10,000 | $10,000 | $0 | $0 | $30,000 |
| Downtown Development Authority | Mansion Street/North Alley Parking Lot Reconstruction | 2 | DDA/GF | $50,000 | $0 | $0 | $0 | $0 | $0 | $0 | $50,000 |
| Electric | Plant Video Camera System | 2 | Elect | $15,000 | $0 | $0 | $0 | $0 | $0 | $0 | $15,000 |
| Electric | Replace Protective Relaying - Generators | 2 | Elect | $0 | $0 | $36,000 | $0 | $0 | $0 | $0 | $36,000 |
| Electric | Replace Protective Relaying - Transformers | 2 | Elect | $0 | $0 | $17,000 | $0 | $0 | $0 | $0 | $17,000 |
| Electric | Replace Protective Relaying - Distribution | 2 | Elect | $0 | $48,000 | $48,000 | $0 | $0 | $0 | $0 | $96,000 |
| Electric | Replace Pilot Wire Relaying | 2 | Elect | $32,000 | $0 | $0 | $0 | $0 | $0 | $0 | $32,000 |
| Electric | Capacitor Banks | 2 | Elect | $22,000 | $22,000 | $0 | $0 | $0 | $0 | $0 | $44,000 |
| Electric | Raceway/Dam Maintenance | 2 | Elect | $0 | $15,000 | $0 | $15,000 | $0 | $15,000 | $0 | $45,000 |
| Electric | Air Compressor Replacement | 2 | Elect | $0 | $15,000 | $15,000 | $15,000 | $0 | $0 | $0 | $45,000 |
| Electric | Meter / Relay Calibration | 2 | Elect | $25,000 | $0 | $0 | $25,000 | $0 | $0 | $0 | $50,000 |
| Electric | Power House Roof Repairs | 2 | Elect | $0 | $0 | $50,000 | $0 | $0 | $0 | $0 | $50,000 |
| Electric | Automated Load Control of Hydro | 2 | Elect | $50,000 | $50,000 | $0 | $0 | $0 | $0 | $0 | $100,000 |
| Electric | Upgrade Plant #1 House Power Panels | 2 | Elect | $7,500 | $7,500 | $75,000 | $0 | $0 | $0 | $0 | $90,000 |
| Electric | Upgrade Lube Oil Filter Systems on #2 & #5 Engines | 2 | Elect | $7,500 | $7,500 | $0 | $0 | $0 | $0 | $0 | $15,000 |

## City of Marshall

# Capital Improvements Program

### Priority Summary by Source of Funding

| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Electric | Upgrade Lube Oil Heating Systems on #2 & #5 Engines | 2 | Elect | $5,000 | $5,000 | $0 | $0 | $0 | $0 | $0 | $10,000 |
| Electric | Upgrade Engine Protection Systems #2 & #5 | 2 | Elect | $15,000 | $15,000 | $0 | $0 | $0 | $0 | $0 | $30,000 |
| Electric | Engine #3 & #6 gauge panel replacement | 2 | Elect | $0 | $80,000 | $80,000 | $0 | $0 | $0 | $0 | $160,000 |
| Electric | Overhaul East Well pump | 2 | Elect | $0 | $15,000 | $0 | $0 | $0 | $0 | $0 | $15,000 |
| Electric | Overhaul West Well pump | 2 | Elect | $0 | $0 | $0 | $15,000 | $0 | $0 | $0 | $15,000 |
| Electric | Overhaul #3 Engine Raw Water Pump | 2 | Elect | $12,000 | $0 | $0 | $0 | $0 | $0 | $0 | $12,000 |
| Electric | Installation of Circuit Reclosers | 2 | Elect | $20,000 | $22,000 | $0 | $0 | $0 | $0 | $0 | $42,000 |
| Electric | #2 Engine Water Pump Replacement | 2 | Elect | $7,500 | $0 | $0 | $0 | $0 | $0 | $0 | $7,500 |
| Electric | Purchase Filter Pump for Load Tap Changers | 2 | Elect | $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 |
| Electric | Add Level Alarms to Engine Fuel Day Tanks | 2 | Elect | $8,250 | $0 | $0 | $0 | $0 | $0 | $0 | $8,250 |
| Electric | Breaker Maintenance | 2 | Elect | $0 | $0 | $0 | $0 | $25,000 | $0 | $0 | $25,000 |
| Fire | Radio Replacement | 2 | GF | $0 | $10,300 | $0 | $0 | $0 | $0 | $0 | $10,300 |
| Fire/Police | New Public Safety Facility | 2 | General Fund - Building Authority Bond | $3,000,000 | $0 | $0 | $0 | $0 | $0 | $0 | $3,000,000 |
| Parks | North Ketchum Park Time Locks With New Doors | 2 | GF | $8,000 | $0 | $0 | $0 | $0 | $0 | $0 | $8,000 |
| Parks | Phase V Riverwalk Design | 2 | GF/Local Grants 75% | $0 | $0 | $40,000 | $0 | $0 | $0 | $0 | $40,000 |
| Parks | Ketchum Park Restroom near Kids Kingdom | 2 | GF | $0 | $0 | $0 | $0 | $0 | $88,000 | $0 | $88,000 |
| PSB Operations | PSB Environmental Reclamation Project | 2 | GF | $30,000 | $0 | $0 | $0 | $0 | $0 | $0 | $30,000 |
| PSB Operations | PSB Parking Lot and Drive Crack Filling, Patching, and Sealing | 2 | Depart Cost Allocation/Rents | $22,000 | $0 | $0 | $0 | $0 | $0 | $0 | $22,000 |
| Streets | Storage Rack for Salt Spreaders and Dump Box Covers | 2 | GF | $6,000 | $0 | $0 | $0 | $0 | $0 | $0 | $6,000 |
| Streets | Sidewalk Repair | 2 | GF | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $0 | $60,000 |
| Streets | Union Street Drainage Improvements | 2 | GF | $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 |
| Streets | New Sidewalk Installation | 2 | GF | $30,000 | $30,000 | $30,000 | $30,000 | $30,000 | $30,000 | $0 | $180,000 |

## City of Marshall

# Capital Improvements Program

### Priority Summary by Source of Funding

| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Town Hall | Town Hall Repairs | 2 | GF | $0 | $13,500 | $0 | $0 | $0 | $0 | $0 | $13,500 |
| Police | Mobile Laptop Computers | 2 | GF or 911 fees or drug forfeiture funds | $0 | $5,333 | $0 | $5,333 | $0 | $5,334 | $2,000 | $18,000 |
| Police | Forensic Equipment | 2 | GF/Grant | $0 | $9,000 | $0 | $0 | $0 | $0 | $0 | $9,000 |
| Clerk-Treasurer | Mailer Stuffer Equipment for Utility Billing and Tax Billing Statements | 2 | GF 15%/Elect 42.5%/WasteWater 21.25%/Water 21.25% | $10,300 | $0 | $0 | $0 | $0 | $0 | $1,000 | $11,300 |
| Marshall House | Electric Wall Heaters (10) | 2 | M/H | $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 |
| Streets | Building Insulation for Sidewalls and Ceiling | 2 | MP/Schools | $20,000 | $0 | $0 | $0 | $0 | $0 | $0 | $20,000 |
| Motor Pool | Tire Changer | 2 | MP Capital | $7,000 | $0 | $0 | $0 | $0 | $0 | $0 | $7,000 |
| Motor Pool | Addition of one repair bay to existing DPW Building | 2 | MP STP Funding | $212,000 | $0 | $0 | $0 | $0 | $0 | $0 | $212,000 |
| Streets | Street Reconstruction & Preventive Maintenance FYs 2011-2014 | 2 | MVH Major/MVH Local/GF (Road report recommended $100k Major, $136K Local) | $236,000 | $236,000 | $236,000 | $236,000 | $0 | $0 | $0 | $944,000 |
| Streets | Bridge Replacement-Monroe Street @ Rice Creek | 2 | MVH Major/MDOT grant | $0 | $27,500 | $0 | $0 | $0 | $0 | $443,650 | $471,150 |
| Streets | Bridge Replacement-Marshall Ave @ Kalamazoo River | 2 | MVH Major/MDOT grant | $0 | $61,500 | $0 | $0 | $0 | $0 | $1,011,750 | $1,073,250 |
| Recreation | Removal of Wooden Bleachers/ Press Box at Athletic Field | 2 | Rec | $3,000 | $0 | $0 | $0 | $0 | $0 | $0 | $3,000 |
| Recreation | Fence Guard & Outfield Screening #1 & #2 | 2 | Rec | $7,500 | $0 | $0 | $0 | $0 | $0 | $0 | $7,500 |
| Recreation | Replace Current Digital Duplicator | 2 | Rec 70%/GF 30% | $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 |
| Waste Water | Crack Sealing and Seal Coating WWTP Drive | 2 | WW | $9,300 | $0 | $0 | $0 | $0 | $0 | $0 | $9,300 |
| Waste Water | Primary Sludge Pump | 2 | WW | $0 | $0 | $20,000 | $0 | $0 | $0 | $0 | $20,000 |
| Waste Water | Raw sludge tank mixer | 2 | WW | $20,000 | $20,000 | $0 | $0 | $0 | $0 | $0 | $40,000 |
| Waste Water | 4" Emergency By Pass Pump | 2 | WW | $14,000 | $0 | $0 | $0 | $0 | $0 | $0 | $14,000 |
| Waste Water | Valve Replacement | 2 | WW | $20,000 | $20,000 | $0 | $0 | $0 | $0 | $0 | $40,000 |
| Waste Water | Replace High School Lift Station | 2 | WW | $0 | $90,000 | $0 | $0 | $0 | $0 | $0 | $90,000 |
| Waste Water | Replace Industrial Park Lift Station | 2 | WW | $0 | $0 | $125,000 | $0 | $0 | $0 | $0 | $125,000 |
| Waste Water | Gear Box Replacement | 2 | WW | $0 | $0 | $25,000 | $0 | $0 | $0 | $0 | $25,000 |

City of Marshall

# Capital Improvements Program

## Priority Summary by Source of Funding

| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Water | 200,000 Gallon Water Tower Improvements | 2 | Water | $107,000 | $0 | $0 | $0 | $0 | $0 | $0 | $107,000 |
| Water | Valve Replacement | 2 | Water-Bond | $100,000 | $0 | $0 | $0 | $0 | $0 | $0 | $100,000 |
| | | | **Total Priority 2** | $4,208,850 | $888,758 | $817,000 | $361,333 | $75,000 | $148,334 | $1,819,150 | $8,318,425 |
| **PRIORITY 3** | | | | | | | | | | | |
| Cemetery | Cemetery Road Paving Project | 3 | Cemetery/GF | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $0 | $0 | $50,000 |
| Electric | Pearl Street Substation Upgrade | 3 | Elect - Bond | $0 | $0 | $2,000,000 | $2,000,000 | $0 | $0 | $0 | $4,000,000 |
| Electric | Recondition #1 Hydro | 3 | Elect | $0 | $0 | $0 | $75,000 | $0 | $0 | $0 | $75,000 |
| Electric | Recondition #3 Hydro | 3 | Elect | $0 | $0 | $0 | $0 | $75,000 | $0 | $0 | $75,000 |
| Electric | Rewind Generator #2 | 3 | Elect | $0 | $120,000 | $0 | $0 | $0 | $0 | $0 | $120,000 |
| Electric | Rewind Generator #5 | 3 | Elect | $0 | $0 | $132,000 | $0 | $0 | $0 | $0 | $132,000 |
| Clerk-Treasurer | Accounting Software Upgrade | 3 | GF | $0 | $0 | $64,315 | $0 | $0 | $0 | $0 | $64,315 |
| Parks | Ketchum Park Parking Near Kids Kingdom | 3 | GF | $0 | $4,000 | $0 | $0 | $0 | $0 | $0 | $4,000 |
| Parks | Walnut Street Riverwalk | 3 | GF | $0 | $0 | $0 | $30,000 | $0 | $0 | $0 | $30,000 |
| Parks | South Ketchum Parking Lot Expansion | 3 | GF | $0 | $0 | $0 | $52,000 | $0 | $0 | $0 | $52,000 |
| Parks | Paving north Ketchum Park parking lot | 3 | GF | $0 | $0 | $0 | $18,000 | $0 | $0 | $0 | $18,000 |
| Parks | Park Identification Signs | 3 | GF | $0 | $0 | $12,000 | $0 | $0 | $0 | $0 | $12,000 |
| Streets | Sidewalk Ramp Installation | 3 | GF | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $10,000 | $0 | $60,000 |
| Town Hall | Soft Water System for Town Hall | 3 | GF | $0 | $27,850 | $0 | $0 | $0 | $0 | $0 | $27,850 |
| Parks | Observation Deck Planning and Development | 3 | GF 25%/DNR Grant 50%/CRP Grant 25% | $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 |
| Parks | Master Plan for Brooks Nature Park | 3 | GF 50%/CRP Grant 50% | $0 | $6,000 | $0 | $0 | $0 | $0 | $0 | $6,000 |
| Parks | Phase I Riverfront Park Development | 3 | GF 50%/DNR Grant 50% | $0 | $75,000 | $0 | $0 | $0 | $0 | $0 | $75,000 |
| Parks | Riverwalk Connection to Ketchum Park | 3 | GF/DNR Grants | $0 | $0 | $0 | $300,000 | $0 | $0 | $0 | $300,000 |

## City of Marshall

# Capital Improvements Program

### Priority Summary by Source of Funding

| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Parks | Kalamazoo Riverfront Parks Planning | 3 | GF/DNR Grants | $0 | $0 | $0 | $40,000 | $0 | $0 | $0 | $40,000 |
| Marshall House | Kitchen Replacement | 3 | M/H - Build Auth Bond | $561,200 | $0 | $0 | $0 | $0 | $0 | $0 | $561,200 |
| Motor Pool | Painting of DPW Building | 3 | MP/Schools | $8,000 | $0 | $0 | $0 | $0 | $0 | $0 | $8,000 |
| Streets | Building HVAC Unit and Duct Work | 3 | MP/Schools | $10,000 | $0 | $0 | $0 | $0 | $0 | $0 | $10,000 |
| Streets | Washington/Elm Improvements | 3 | MVH Local | $0 | $237,000 | $0 | $0 | $0 | $0 | $0 | $237,000 |
| Recreation | Replacement of Athletic Field Light System | 3 | Rec - Bond | $0 | $0 | $0 | $0 | $0 | $300,000 | $0 | $300,000 |
| Recreation | Permanent Pavilion/Grill at Sand Volleyball Courts | 3 | Rec | $0 | $0 | $7,000 | $0 | $0 | $0 | $0 | $7,000 |
| Recreation | Seal Coating & Striping Athletic Field Parking Lot | 3 | Rec | $0 | $0 | $0 | $7,500 | $0 | $0 | $0 | $7,500 |
| Recreation | Permanent Fencing on #3 & #4 | 3 | Rec | $0 | $13,207 | $0 | $0 | $0 | $0 | $0 | $13,207 |
| Waste Water | Electrical Controls Replacement | 3 | WW | $0 | $0 | $65,000 | $0 | $0 | $0 | $0 | $65,000 |
| Waste Water | Pave Road to Waste Water Plant | 3 | WW | $0 | $15,000 | $0 | $0 | $0 | $0 | $0 | $15,000 |
| Waste Water | Install Electric Gate | 3 | WW | $0 | $6,000 | $0 | $0 | $0 | $0 | $0 | $6,000 |
| Water | Replace Chlorine Gas with Sodium Hypochlorite | 3 | Water | $0 | $0 | $0 | $100,000 | $0 | $0 | $0 | $100,000 |
| Water | Install New Water Service on Washington & Elm | 3 | Water | $0 | $45,000 | $0 | $0 | $0 | $0 | $0 | $45,000 |
| Water | Replace Well House #4 | 3 | Water | $0 | $0 | $0 | $0 | $30,000 | $0 | $0 | $30,000 |
| | | | **Total Priority 3** | $609,200 | $569,057 | $2,300,315 | $2,642,500 | $125,000 | $310,000 | $0 | $6,556,072 |
| **PRIORITY 4** | | | | | | | | | | | |
| Electric | Upgrade Transformer in South Substation | 4 | Elect | $0 | $200,000 | $0 | $0 | $0 | $0 | $0 | $200,000 |
| Electric | Remove 2400 Volt Switchgear and rewind Hydros | 4 | Elect | $0 | $0 | $100,000 | $100,000 | $0 | $0 | $0 | $200,000 |
| Electric | Retrofit Breakers in Plant #1 Switchgear | 4 | Elect | $50,000 | $50,000 | $0 | $0 | $0 | $0 | $0 | $100,000 |
| Parks | Purchase New Playground Equipment | 4 | GF | $0 | $0 | $0 | $0 | $0 | $45,000 | $0 | $45,000 |
| Police | Police Vehicle Changeover | 4 | GF | $0 | $0 | $10,000 | $0 | $0 | $0 | $2,000 | $12,000 |

City of Marshall

# Capital Improvements Program

## Priority Summary by Source of Funding

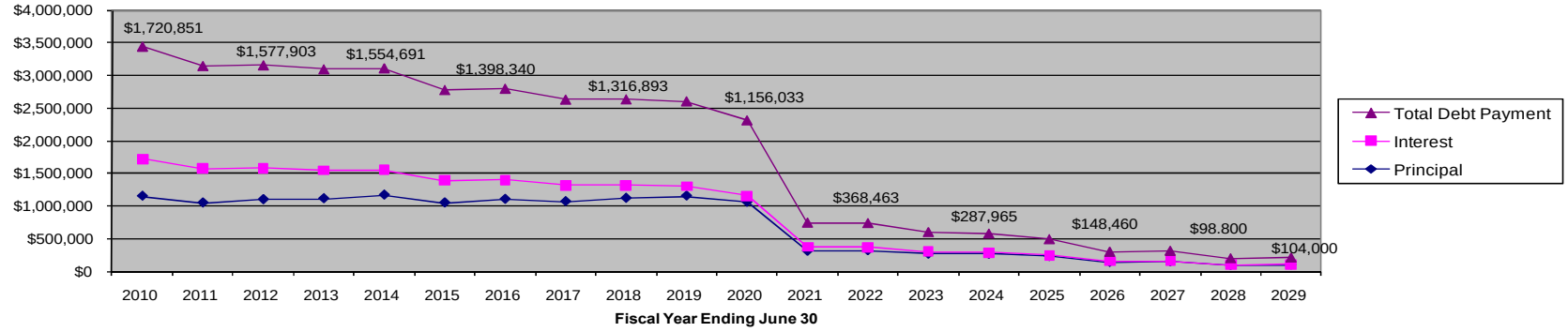
| Department | Project Description | Priority Ranking | Source of Funding | 2010-2011 Expenditure | 2011-2012 Expenditure | 2012-2013 Expenditure | 2013-2014 Expenditure | 2014-2015 Expenditure | 2015-2016 Expenditure | Trade In or Grant Share | Total Expenditure |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Parks | Ketchum Park Parking & Access | 4 | GF/DNR Grants | $0 | $0 | $0 | $0 | $0 | $40,000 | $0 | $40,000 |
| LDFA | Industrial Park Expansion | 4 | LDFA-Bond | $0 | $0 | $0 | $0 | $0 | $6,000,000 | $0 | $6,000,000 |
| Marshall House | Replace Elevators | 4 | M/H - Build Auth Bond | $0 | $363,500 | $0 | $0 | $0 | $0 | $0 | $363,500 |
| Recreation | Sherman Court Pond Nature Trail | 4 | Rec | $0 | $0 | $0 | $5,000 | $5,000 | $5,000 | $0 | $15,000 |
| Recreation | Athletic Field Sign | 4 | Rec | $0 | $0 | $8,000 | $0 | $0 | $0 | $0 | $8,000 |
| Recreation | Dug Outs | 4 | Rec | $0 | $0 | $0 | $41,200 | $0 | $0 | $0 | $41,200 |
| Recreation | Sprinkler System Diamond #3 & #4 | 4 | Rec | $0 | $0 | $0 | $0 | $25,000 | $0 | $0 | $25,000 |
| | | | **Total Priority 4** | $50,000 | $613,500 | $118,000 | $146,200 | $30,000 | $6,090,000 | $2,000 | $7,049,700 |
| | | | | | | | | | | | |
| **GRAND TOTAL** | | | | $5,723,009 | $2,867,415 | $3,548,515 | $3,631,333 | $646,685 | $6,700,584 | $1,821,150 | $24,938,691 |

**City of Marshall, Michigan**
**FYs 2010/11 - 2015/16 Capital Improvement Program**
**Proposed Financing Plan for All Priorities by Revenue Source**

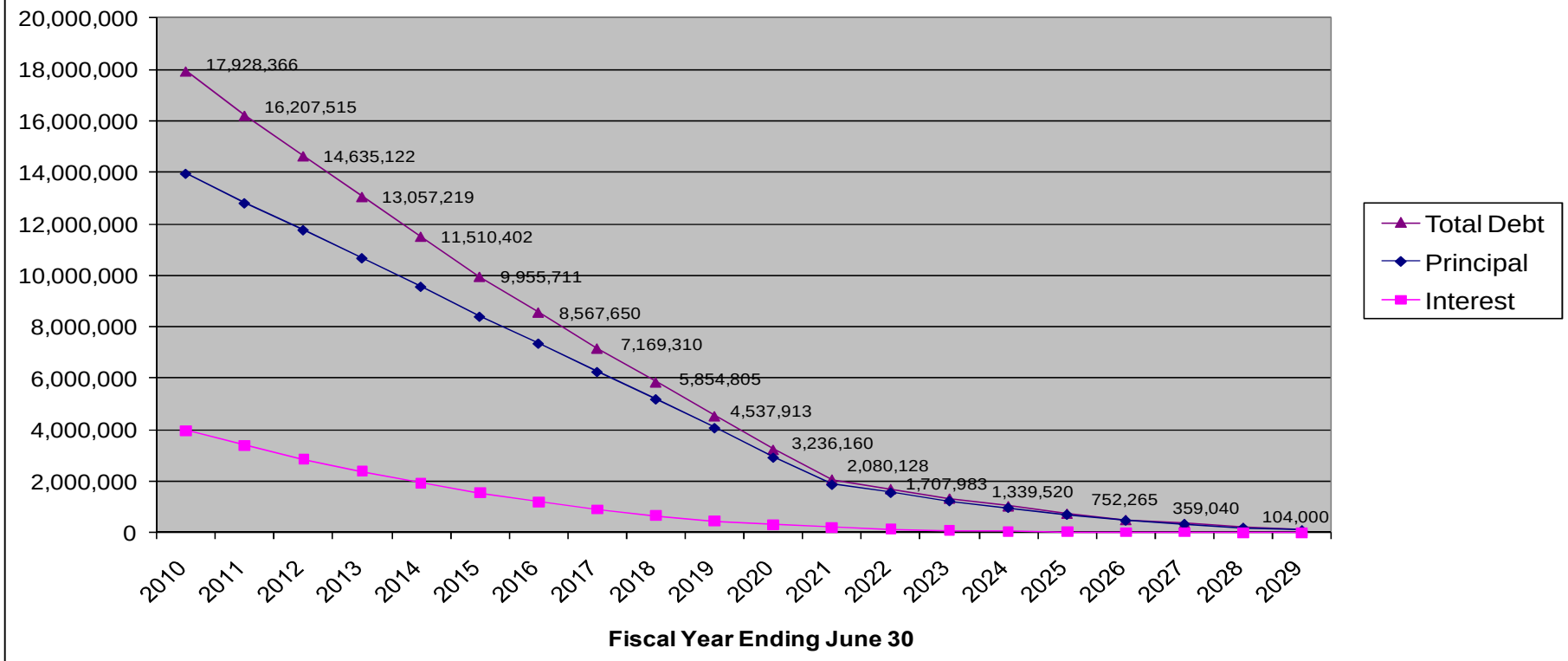
| | 2010-11 | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 | Grants/Trade In/Other | Total |
|---|---|---|---|---|---|---|---|---|
| General Fund Revenue | $ 288,120 | $ 221,983 | $ 202,815 | $ 505,333 | $ 65,500 | $ 251,584 | $ 5,000 | $ 1,540,335 |
| MVH-Major & Local | 236,000 | 562,000 | 236,000 | 236,000 | - | - | 1,455,400 | $ 2,725,400 |
| G.O. Bond (GF & MVH projects combined) | 3,000,000 | - | - | - | - | - | - | $ 3,000,000 |
| Airport | - | 8,625 | - | - | - | - | 360,750 | $ 369,375 |
| Cemetery Trust Revenue | 10,000 | 55,000 | 10,000 | 10,000 | 10,000 | - | - | $ 95,000 |
| Recreation Revenue | 17,500 | 13,207 | 15,000 | 53,700 | 30,000 | 5,000 | - | $ 134,407 |
| Recreation Fund - G.O. Bond | - | - | - | - | - | 300,000 | - | $ 300,000 |
| Downtown Development Auth. Revenue | 50,000 | - | 10,000 | 10,000 | 10,000 | - | - | $ 80,000 |
| Marshall House Revenue | 24,384 | - | - | - | - | - | - | $ 24,384 |
| Marshall House Replacement Reserve | 9,000 | 9,000 | 9,000 | 9,000 | 9,000 | 9,000 | - | $ 54,000 |
| Marshall House - G.O. Bond | 561,200 | 363,500 | - | - | - | - | - | $ 924,700 |
| Local Dev Fin Auth Revenue Bond | - | - | - | - | - | 6,000,000 | - | $ 6,000,000 |
| Electric Revenue | 538,128 | 747,000 | 553,000 | 245,000 | 100,000 | 15,000 | - | $ 2,198,128 |
| Electric Revenue Bond | - | - | 2,000,000 | 2,000,000 | - | - | - | $ 4,000,000 |
| Waste Water Revenue | 142,989 | 151,000 | 235,000 | - | - | - | - | $ 528,989 |
| Waste Water Revenue Bond | - | - | - | - | - | - | - | $ - |
| Water Revenue | 109,188 | 45,000 | - | 100,000 | 30,000 | - | - | $ 284,188 |
| Water Revenue Bond | 100,000 | - | - | - | - | - | - | $ 100,000 |
| Data Processing | 20,000 | - | - | - | - | - | - | $ 20,000 |
| Motor Pool | 616,500 | 691,100 | 277,700 | 462,300 | 392,185 | 120,000 | - | $ 2,559,785 |
| | $ 5,723,009 | $ 2,867,415 | $ 3,548,515 | $ 3,631,333 | $ 646,685 | $ 6,700,584 | $ 1,821,150 | $ 24,938,691 |

Note: Includes all priorities

# CITY OF MARSHALL ANNUAL DEBT PAYMENTS - ALL FUNDS



# CITY OF MARSHALL OUTSTANDING DEBT - ALL FUNDS



**City of Marshall, Michigan**
**Total Debt--Principal and Interest--(Current) and Percent of**
**Total Debt Amoritized Within Ten Years**

| Fiscal Year Ending June 30 | General Fund | MVH | DDA* | LDFA | Electric** | Wastewater | Water | Total | Benchmark |
|---|---|---|---|---|---|---|---|---|---|
| 2010 | 67,413 | 146,160 | 54,993 | 169,921 | 403,881 | 319,444 | 559,014 | 1,720,826 | |
| 2011 | 41,551 | 145,923 | 58,943 | 168,983 | 367,755 | 241,368 | 547,871 | 1,572,394 | |
| 2012 | 41,078 | 145,375 | 57,653 | 168,046 | 362,890 | 242,637 | 560,226 | 1,577,905 | |
| 2013 | 45,552 | 144,478 | 61,333 | 128,230 | 362,525 | 244,153 | 560,546 | 1,546,817 | |
| 2014 | 45,296 | 143,220 | 64,758 | 130,030 | 365,838 | 245,166 | 560,384 | 1,554,692 | |
| 2015 | 44,511 | | 62,918 | 126,715 | 364,554 | 240,890 | 548,472 | 1,388,060 | |
| 2016 | 44,214 | | 66,038 | 123,400 | 366,795 | 245,934 | 551,979 | 1,398,360 | |
| 2017 | 52,228 | | 68,878 | 125,085 | 440,565 | 245,359 | 382,389 | 1,314,504 | |
| 2018 | 52,860 | | 71,428 | 121,575 | 449,645 | 244,200 | 377,185 | 1,316,893 | |
| 2019 | 53,340 | | 73,678 | 117,795 | 457,575 | 232,962 | 366,403 | 1,301,753 | |
| 2020 | 46,800 | | 75,678 | 114,015 | 529,215 | 221,725 | 168,600 | 1,156,033 | |
| 2021 | | | 77,395 | 115,235 | 60,630 | | 118,885 | 372,145 | |
| 2022 | | | 78,825 | 111,245 | 58,718 | | 119,675 | 368,463 | |
| 2023 | | | | 107,255 | 61,805 | | 130,230 | 299,290 | |
| 2024 | | | | 103,170 | 59,680 | | 125,115 | 287,965 | |
| 2025 | | | | 99,085 | 62,480 | | 83,200 | 244,765 | |
| 2026 | | | | | 60,060 | | 88,400 | 148,460 | |
| 2027 | | | | | 62,640 | | 93,600 | 156,240 | |
| 2028 | | | | | | | 98,800 | 98,800 | |
| 2029 | | | | | | | 104,000 | 104,000 | |
| | $ 534,843 | $ 725,156 | $ 872,518 | $ 2,029,785 | $ 4,897,252 | $ 2,723,838 | $ 6,144,974 | $ 17,928,366 | |
| Percent Amoritized within ten years | 91.25% | 100.00% | 73.42% | 67.98% | 80.49% | 91.86% | 81.60% | 81.95% | >=50% |

*Does not include parking structure lease payments or Stanton lease payments
**Does not include any portion of MSCPA debt owed by Marshall