

City of Marshall, Michigan  
Capital Improvements Program  
July 1, 2013 Through June 30, 2019

**Council Members**

**James L. Dyer, Mayor**

Wayne Booton, Council Member Ward 1  
Nick Metzger, Council Member Ward 2  
Brent Williams, Council Member Ward 3  
Jack Reed, Council Member Ward 4  
Jody Mankerian, Council Member Ward 5  
Kathy Miller, Council Member At Large

**City Administration**

Tom Tarkiewicz, City Manager  
Sandra Bird, Finance Director  
James Schwartz, Police Chief  
Robert Kiessling, Fire Chief  
Carl Fedders, Director of Public Services  
Natalie Huestis, Director of Community Services

# Capital Improvements Program

## Table of Contents

TAB 1 - Overview .....	
CIP Schedule .....	1
The Capital Improvements Program - Definition and Explanation .....	2
Priority Ranking Definitions .....	4
TAB 2 - Planning Commission .....	
Planning Commission Recommendation Memorandum .....	5
Expenditures by Department/Fund .....	6
Expenditures by Priority/Department-Fund.....	9
Project Description .....	12
TAB 3 - Council .....	
Expenditures by Department/Fund .....	15
Expenditures by Priority/Department-Fund.....	25
Project Description .....	33
TAB 4 - All Projects (Planning Commission and Council).....	
Priority Summary by Source of Funding.....	48
Proposed Financing by Revenue Source .....	57
Total Debt (Current) and Percent of Total Debt Amortized Within Ten Years.....	58
Debt Payments and Outstanding Debt Graphs .....	59

City of Marshall

**Capital Improvements Program Schedule**  
July 1, 2013 through June 30, 2019

<u>Date</u>	<u>Activity</u>
September 4, 2012	Meet with Directors and Department Heads to discuss CIP update process. Distribute materials for actual CIP update.
September 5, 2012 – September 28, 2012	Department Heads work on updates to CIP; submit to Finance Department on or before September 28.
October 1, 2012 – October 12, 2012	Preliminary CIP document assembled by Finance Department based on detail submitted by Department heads.
October 15, 2012 – October 16, 2012	Preliminary CIP document reviewed by City Manager and Finance Director.
October 16, 2012	Draft CIP reviewed by City Manager and Directors (at Director's meeting).
November 5 – November 9, 2012	Draft CIP distributed to Planning Commission.
November 14, 2012	Planning Commission sets public hearing
December 3- December 7, 2012	Draft (revised if necessary) CIP document distributed to Planning Commission.
December 12, 2012	Planning Commission holds public hearing on CIP and submits formal recommendation to City Council.
January 7, 2013	Council receives CIP and recommendations by Planning Commission and schedules public hearing for January 22, 2013.
January 22, 2013	City Council holds public hearing on CIP and adopts the CIP.

## **City of Marshall Capital Improvements Program**

This year's 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 City's 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 "pay-as-you-go" 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 city's 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 provides a snapshot of that year's potential capital expenditures. Each of these years will be considered individually as that year's 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 City's 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 project's 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. Project can safely be deferred beyond the third (3<sup>rd</sup>) 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/2013-2019 CIP/CIP Database. Make certain that cost projections are updated. Make priority changes when necessary. Submit your updates electronically (highlighting updates) or manually (print out applicable pages and make hand-written corrections) to Finance, along with new project requests. New projects should be submitted by adding them in the same CIP Database spreadsheet. The New Project Request Form will no longer be used.

### ***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 "Explanation of Affect on Operations" section of the project record.



To: Mayor and City Council Members  
Sandra Bird, Finance Director

From: Natalie Huestis, Director of Community Services

Date: December 13, 2012

Subject: Planning Commission Recommendation on 2013-2019 Capital Improvements Program

---

At their regular meeting on November 14, 2012, the Commissioners received the draft Planning Commission portion of the 2013-2019 Capital Improvements Program. A public hearing was then set and noticed appropriately for the regular Planning Commission December meeting.

On December 12, 2012, the Planning Commission held the public hearing on the CIP 2013-2019. There was no public present and no public comments were heard. The Planning Commission's role is to review the CIP to make certain it addresses any priorities included in the Master Plan for Future Land Use. Commissioners discussed a few of the items on their portion of the CIP which included the priority ranking of the Brooks Nature Shelter over the South Ketchum Park parking lot and the condition of some of the City's sidewalks. Following discussion, the Planning Commission accepted and recommended Council approval of the CIP.

**MOTION** by Davis, supported by Banfield to recommend the Planning Commission portion of the CIP 2013-2019 as submitted, be given to the City Council for approval. On a voice vote; **MOTION CARRIED.**

323 W. Michigan Ave.

Marshall, MI 49068

**p** 269.781.5183

**f** 269.781.3835

**cityofmarshall.com**

City of Marshall – Planning Commission

# **Capital Improvements Program**

**Expenditures by Department/Fund**

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
<b>Downtown Development Authority</b>													
293	Downtown Development Authority	Farmers Market Pavilion	4	25	General Fund 10%, Grant 90%	\$0	\$0	\$0	\$0	\$35,000	\$0	\$315,000	\$350,000
		<b>Total DDA</b>				\$0	\$0	\$0	\$0	\$35,000	\$0	\$315,000	\$350,000
<b>Electric</b>													
223	Electric	Embankment Project	1	50	Electric Fund - Bond	\$100,000	\$550,000	\$0	\$0	\$0	\$0	\$0	\$650,000
		<b>Total Electric</b>				\$100,000	\$550,000	\$0	\$0	\$0	\$0	\$0	\$650,000
<b>Parks</b>													
174	Parks	Ketchum Park Restroom Near Kids Kingdom	2	25	General Fund 50% Local Grants 50%	\$44,000	\$0	\$0	\$0	\$0	\$0	\$44,000	\$88,000
249	Parks	Brooks Nature Park 16 x 20 Shelter	2	20	Special Projects Fund- Brooks Nature Project Fund Balance from 100% DNRE Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000
321	Parks	Shearman Park Development	2	25	Special Projects Fund- Local Grants Recreation Passport	\$0	\$0	\$0	\$0	\$0	\$0	\$60,000	\$60,000
189	Parks	Phase V Riverwalk Design / Construction	3	30	General Fund 25%, Local Grant 75%	\$37,500	\$375,000	\$0	\$0	\$0	\$0	\$1,237,500	\$1,650,000
191	Parks	South Ketchum Parking Lot Expansion	3	15	General Fund	\$0	\$0	\$52,000	\$0	\$0	\$0	\$0	\$52,000
193	Parks	Phase I Riverfront Park Development	3	100	General Fund 50% and DNR Grant 50%	\$0	\$0	\$0	\$37,500	\$0	\$0	\$37,500	\$75,000
322	Parks	Ketchum Park Pavilion Replacement	2	20	General Fund	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000
187	Parks	Riverwalk Connection to Ketchum Park	4	30	General Fund 25%, DNR Grant 75%	\$0	\$75,000	\$0	\$0	\$0	\$0	\$225,000	\$300,000
		<b>Total Parks</b>				\$101,500	\$450,000	\$52,000	\$37,500	\$0	\$0	\$1,614,000	\$2,255,000
<b>Police, Fire and City Hall</b>													
323	Police, Fire and City Hall	1) Marshall Regional Law Enforcement Center and 2) Fire Dept./City Hall Renovations	1	50	General Fund - GO Bond 30%, Other/Grants 70%	\$4,026,437	\$0	\$0	\$0	\$0	\$0	\$9,100,000	\$13,126,437
		<b>Total Police, Fire and City Hall</b>				\$4,026,437	\$0	\$0	\$0	\$0	\$0	\$9,100,000	\$13,126,437

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
	<b>Streets</b>												
200	Streets	New Sidewalk Installation	2	25	General Fund	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$0	\$180,000
		<b>Total Streets</b>				\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$0	\$180,000
	<b>Wastewater</b>												
267	Wastewater	Septage Receiving Station	4	20	Wastewater Fund - Bond	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
		<b>Total Wastewater</b>				\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
		<b>TOTAL GENERAL FUND</b>				\$4,157,937	\$480,000	\$82,000	\$67,500	\$65,000	\$30,000	\$10,959,000	\$15,841,437
		<b>TOTAL ELECTRIC FUND</b>				\$100,000	\$550,000	\$0	\$0	\$0	\$0	\$0	\$650,000
		<b>TOTAL SPECIAL PROJ. FUND</b>				\$0	\$0	\$0	\$0	\$0	\$0	\$70,000	\$70,000
		<b>TOTAL WASTEWATER FUND</b>				\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
		<b>TOTAL</b>				\$4,257,937	\$1,030,000	\$82,000	\$67,500	\$1,065,000	\$30,000	\$11,029,000	\$17,561,437

City of Marshall – Planning Commission

# **Capital Improvements Program**

**Expenditures by Priority/Department-Fund**

**City of Marshall  
Capital Improvements Program  
Expenditures by Priority/Department-Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
	<b>Priority 1</b>												
223	Electric	Embankment Project	1	50	Electric Fund - Bond	\$100,000	\$550,000	\$0	\$0	\$0	\$0	\$0	\$650,000
323	Police, Fire and City Hall	1) Marshall Regional Law Enforcement Center and 2) Fire Dept./City Hall Renovations	1	50	General Fund - GO Bond 30%, Other/Grants 70%	\$4,026,437	\$0	\$0	\$0	\$0	\$0	\$9,100,000	\$13,126,437
		<b>TOTAL PRIORITY 1</b>				\$4,126,437	\$550,000	\$0	\$0	\$0	\$0	\$9,100,000	\$13,776,437
	<b>Priority 2</b>												
174	Parks	Ketchum Park Restroom Near Kids Kingdom	2	25	General Fund 50% Local Grants 50%	\$44,000	\$0	\$0	\$0	\$0	\$0	\$44,000	\$88,000
249	Parks	Brooks Nature Park 16 x 20 Shelter	2	20	Special Projects Fund- Brooks Nature Project Fund Balance from	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000
321	Parks	Shearman Park Development	2	25	Special Projects Fund- Local Grants Recreation Passport	\$0	\$0	\$0	\$0	\$0	\$0	\$60,000	\$60,000
322	Parks	Ketchum Park Pavilion Replacement	2	20	General Fund	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000
200	Streets	New Sidewalk Installation	2	25	General Fund	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$0	\$180,000
		<b>TOTAL PRIORITY 2</b>				\$94,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$114,000	\$358,000
	<b>Priority 3</b>												
189	Parks	Phase V Riverwalk Design / Construction	3	30	General Fund 25%, Local Grant 75%	\$37,500	\$375,000	\$0	\$0	\$0	\$0	\$1,237,500	\$1,650,000
191	Parks	South Ketchum Parking Lot Expansion	3	15	General Fund	\$0	\$0	\$52,000	\$0	\$0	\$0	\$0	\$52,000
193	Parks	Phase I Riverfront Park Development	3	100	General Fund 50% and DNR Grant 50%	\$0	\$0	\$0	\$37,500	\$0	\$0	\$37,500	\$75,000
		<b>TOTAL PRIORITY 3</b>				\$37,500	\$375,000	\$52,000	\$37,500	\$0	\$0	\$1,275,000	\$1,777,000

**City of Marshall  
Capital Improvements Program  
Expenditures by Priority/Department-Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
	<b>Priority 4</b>												
293	Downtown Development Authority	Farmers Market Pavilion	4	25	General Fund 10%, Grant 90%	\$0	\$0	\$0	\$0	\$35,000	\$0	\$315,000	\$350,000
187	Parks	Riverwalk Connection to Ketchum Park	4	30	General Fund 25%, DNR Grant 75%	\$0	\$75,000	\$0	\$0	\$0	\$0	\$225,000	\$300,000
267	Wastewater	Septage Receiving Station	4	20	Wastewater Fund - Bond	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
		<b>TOTAL PRIORITY 4</b>				\$0	\$75,000	\$0	\$0	\$1,035,000	\$0	\$540,000	\$1,650,000
		<b>TOTAL</b>				\$4,257,937	\$1,030,000	\$82,000	\$67,500	\$1,065,000	\$30,000	\$11,029,000	\$17,561,437

City of Marshall – Planning Commission

# **Capital Improvements Program**

## **Project Description**

**City of Marshall**  
**Capital Improvements Program Project Description**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
174	Parks	Ketchum Park Restroom Near Kids Kingdom	2	Install a restroom facility for Kids Kingdom Playground.	Increased maintenance and utility costs for restroom.
187	Parks	Riverwalk Connection to Ketchum Park	4	Riverwalk connection to Ketchum Park and the Fair Grounds.	Increased maintenance costs-no figures available.
189	Parks	Phase V Riverwalk Design / Construction	3	Design and construction of the next phase of Kalamazoo Riverwalk extending from Kalamazoo Ave. westerly to Pearl St .sub-station area.	Increase in operational costs-walkway will require periodic maintenance.
191	Parks	South Ketchum Parking Lot Expansion	3	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.	Increase in maintenance costs (stripping, snow plowing, sweeping)
193	Parks	Phase I Riverfront Park Development	3	Develop land east of City Garage following the Parks and Recreation Master Plan guidelines	Increased maintenance area would have a direct increase on operational costs.
200	Streets	New Sidewalk Installation	2	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, Michigan where missing and Mulberry where missing.	Increased cost in the form of sidewalk repairs.
223	Electric	Embankment Project	1	The FERC is requesting that all trees, stumps and root system systems be removed from the earthen embankment between the spillway's. This will require a geotechnical investigation be completed to determine to what extent the embankment must be excavated and replaced. This budgetary number was created assuming the entire embankment would need to be removed and reconstructed.	Federal Regulatory Energy Commission (FERC) requirement.
249	Parks	Brooks Nature Park 16 x 20 Shelter	2	This will be an area for those using the park to take refuge during adverse weather conditions. It will be open on three sides. One side will be closed to help block the wind or rain from those occupying the structure. The ceiling area will be enclosed to keep wild life from using the trusses as a nesting area.	Will be an increase in maintenance cost in the future.
267	Wastewater	Septage Receiving Station	4	This project will provide a place for dumping septage in Calhoun County. State laws require septage to be dumped at an approved receiving station if within a 25 miles radius of such a station. Currently there is no such facility in Calhoun County. This is an investment in the environmental health of Calhoun County.	Provide a new revenue source. Septage would be brought in from outlying townships that do not offer sewer service. Possible increase in cost of operation would be offset by fees collected from users.
293	Downtown Development Authority	Farmers Market Pavilion	4	Construction of a pavilion to provide minimal shelter for Farmers' Market and other community activities. As the demand for "farm to food" and "buying local produce" continues, federal tax dollars are being earmarked for Farmers' Market projects. Staff will monitor the availability of grants for this project, and research potential location(s).	None.

**City of Marshall  
Capital Improvements Program Project Description**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
321	Parks	Shearman Park Development	2	Project will develop Shearman Park.	Increase in maintenance costs
322	Parks	Ketchum Park Pavilion Replacement	2	Remove existing pavilion that is in dis-repair and replace with modern structure including electric on demand.	Increase in maintenance costs
323	Police, Fire and City Hall	1) Marshall Regional Law Enforcement Center and 2) Fire Dept./City Hall Renovations	1	1) Achieves economic, operational and collaborative benefits of a single facility for two agencies; Marshall Police and Michigan State Police 2) Expansion of Fire apparatus bay, quarters and offices, renovation of city hall to improve electrical and mechanical systems and construction of new public restrooms accessible from the outside of the building.	Improved Fire and Police facility/personnel safety, space and operational needs for the future. Combined projected Annual Debt Service cost \$261,194

City of Marshall – Council

# **Capital Improvements Program**

**Expenditures by Department/Fund**

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
<b>General Fund Departments:</b>													
<b>Airport</b>													
202	Airport	AWOS replacement	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$3,000	\$0	\$0	\$0	\$0	\$0	\$57,000	\$60,000
204	Airport	Terminal Building Improvements	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$16,667	\$0	\$0	\$316,666	\$333,333
206	Airport	Taxistreet Rehabilitation	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$16,667	\$0	\$0	\$0	\$0	\$316,666	\$333,333
268	Airport	Runway Extension Environmental Study	2	30	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$0	\$1,250	\$0	\$23,750	\$25,000
270	Airport	Runway Extension justification study	2	30	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$0	\$1,250	\$0	\$23,750	\$25,000
312	Airport	Preliminary Engineering for Runway Extension to Support Environmental Assessment	2	15	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$0	\$5,000	\$0	\$24,375	\$29,375
		<b>Total Airport</b>				\$3,000	\$16,667	\$0	\$16,667	\$7,500	\$0	\$762,207	\$806,041
<b>Chapel</b>													
247	Chapel	Exterior Overhang	2	30	General Fund	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$12,000
		<b>Total Chapel</b>				\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$12,000
<b>City Hall</b>													
271	City Hall	Exterior Restoration	3	30	80% Byways Grant (with tourism connection)	\$0	\$0	\$0	\$9,500	\$9,500	\$0	\$76,000	\$95,000
		<b>Total City Hall</b>				\$0	\$0	\$0	\$9,500	\$9,500	\$0	\$76,000	\$95,000
<b>Fire</b>													
76	Fire	Structural Fire Fighting Protective Clothing Purchase	1	10	General Fund	\$9,500	\$10,000	\$10,500	\$11,000	\$11,500	\$11,500	\$0	\$64,000
153	Fire	Personal Alert Safety System (P.A.S.S. Device) Replacement	1	5	General Fund	\$0	\$0	\$12,250	\$0	\$0	\$0	\$0	\$12,250
220	Fire	Replace 5" Supply Line Fire Hose	1	20	General Fund	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
256	Fire	Thermal Imaging Camera	2	10	General Fund	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
		<b>Total Fire</b>				\$25,500	\$10,000	\$22,750	\$11,000	\$11,500	\$11,500	\$0	\$92,250
	<b>Parks</b>												
207	Parks	Playground Ground Cover replacement	1	10	General fund	\$0	\$0	\$0	\$0	\$8,000	\$0	\$0	\$8,000
12	Parks	Purchase New Playground Equipment	2	25	General Fund	\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000
		<b>Total Parks</b>				\$45,000	\$0	\$0	\$0	\$8,000	\$0	\$0	\$53,000
	<b>Police</b>												
236	Police	Protective Vests	1	5	General Fund or Grant	\$0	\$0	\$5,200	\$0	\$0	\$0	\$0	\$5,200
238	Police	Police Vehicle Change-over	1	10	General Fund	\$6,000	\$6,000	\$6,500	\$6,500	\$6,500	\$5,000	\$3,200	\$39,700
257	Police	Police Vehicle Video Equipment	1	5	General Fund	\$5,500	\$9,200	\$5,600	\$5,600	\$0	\$0	\$2,000	\$27,900
318	Police	Interview Room Video	1	10	General Fund and Grant	\$0	\$7,400	\$0	\$0	\$0	\$0	\$7,400	\$14,800
319	Police	Taser Replacements	2	5	General Fund	\$0	\$6,300	\$6,300	\$0	\$0	\$0	\$0	\$12,600
		<b>Total Police</b>				\$11,500	\$28,900	\$23,600	\$12,100	\$6,500	\$5,000	\$12,600	\$100,200
	<b>Recreation</b>												
77	Recreation	Seal Coating & Striping Athletic Field Parking Lot	2	5	General Fund	\$8,700	\$0	\$0	\$0	\$0	\$0	\$0	\$8,700
253	Recreation	Concrete Pads Under Spectator Bleachers	2	20	General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
254	Recreation	Replace Electronic Scoreboards, Diamond #1 & #2	2	15	General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
255	Recreation	Dug-Outs, Diamond #3 & #4	3	25	General Fund	\$0	\$12,544	\$12,544	\$0	\$0	\$0	\$0	\$25,088
58	Recreation	Replacement of Athletic Field Light System	4	15	General Fund Transfer to Electric Fund - Bond	\$0	\$0	\$0	\$0	\$0	\$300,000	\$0	\$300,000

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
122	Recreation	Dug Outs	4	10	General Fund	\$0	\$0	\$0	\$25,088	\$0	\$0	\$0	\$25,088
315	Recreation	Picnic Pavilion	4	25	General Fund	\$0	\$0	\$0	\$0	\$8,700	\$0	\$0	\$8,700
		<b>Total Recreation</b>				\$8,700	\$12,544	\$12,544	\$25,088	\$8,700	\$300,000	\$0	\$367,576
	<b>Streets</b>												
282	Streets	Barricade Replacement	1	10	General Fund	\$5,000	\$0	\$0	\$0	\$5,000	\$0	\$0	\$10,000
323	Streets	Sewer Inspection Software	1	10	General Fund 50%, Wastewater 50%	\$7,500	\$0	\$0	\$0	\$0	\$0	\$0	\$7,500
334	Streets	Parking Lot Pavement Repairs	1	5	General Fund 67%, Motor Pool Fund 33%	\$13,334	\$0	\$0	\$0	\$0	\$0	\$0	\$13,334
209	Streets	Local Street Rehabilitation	2	30	General Fund (FY13 - FY15 from Bond Proceeds)	\$0	\$0	\$220,000	\$220,000	\$220,000	\$220,000	\$0	\$880,000
285	Streets	DPW Garage Insulation	2	30	General Fund 67%, Motor Pool 33%	\$0	\$0	\$8,000	\$0	\$0	\$0	\$0	\$8,000
287	Streets	Parking Lot Pavement Repairs	2	5	General Fund 50%, DDA 50%	\$0	\$0	\$7,500	\$7,500	\$7,500	\$7,500	\$0	\$30,000
325	Streets	Sign Trailer	2	20	General Fund	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
41	Streets	Sidewalk Ramp Installation	2	50	General Fund	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$60,000
178	Streets	Storage Rack for Salt Spreaders and Dump Box Covers	3	30	General Fund	\$8,000	\$0	\$0	\$0	\$0	\$0	\$0	\$8,000
		<b>Total Streets</b>				\$58,834	\$10,000	\$245,500	\$237,500	\$242,500	\$237,500	\$0	\$1,031,834
		<b>TOTAL GENERAL FUND</b>				\$158,534	\$84,111	\$304,394	\$311,855	\$294,200	\$554,000	\$850,807	\$2,557,901
	<b>Cemetery Trust Fund</b>												
38	Cemetery	Cemetery Water Distribution System	2	20	Cemetery Trust Fund	\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000
40	Cemetery	Cemetery Road Paving Project	3	20	Cemetery Trust Fund	\$10,000	\$10,000	\$10,000	\$0	\$0	\$0	\$0	\$30,000

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
320	Cemetery	New Section-Expansion	3	20	Cemetery Trust Fund	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
		<b>Total Cemetery Trust Fund</b>				\$55,000	\$10,000	\$85,000	\$0	\$0	\$0	\$0	\$150,000
	<b>DART</b>												
252	Dart	Bus Replacement	4	7	100% Federal Grant	\$0	\$0	\$85,000	\$88,000	\$91,000	\$94,000	\$0	\$358,000
		<b>Total DART</b>				\$0	\$0	\$85,000	\$88,000	\$91,000	\$94,000	\$0	\$358,000
	<b>Downtown Development Authority</b>												
294	Downtown Development Authority	Market Study	2	5	DDA Fund 25%, General Fund 37.5%, Grant 37.5%	\$0	\$0	\$5,000	\$0	\$0	\$0	\$3,000	\$8,000
335	Downtown Development Authority	Parking Lot Pavement Repairs	2	5	DDA 50%, General Fund 50%	\$0	\$0	\$7,500	\$7,500	\$7,500	\$7,500	\$0	\$30,000
295	Downtown Development Authority	Downtown Place-Finding Signage	4	20	Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$75,000
		<b>Total DDA</b>				\$0	\$0	\$12,500	\$7,500	\$7,500	\$7,500	\$78,000	\$113,000
	<b>Electric</b>												
25	Electric	Meter / Relay Calibration	1	3	Electric Fund	\$25,000	\$0	\$0	\$25,000	\$0	\$0	\$0	\$50,000
28	Electric	Power House Roof Repairs	1	25	Electric Fund	\$55,000	\$0	\$0	\$0	\$0	\$0	\$0	\$55,000
31	Electric	Upgrade Plant #1 House Power Panels	1	30	Electric Fund	\$7,500	\$7,500	\$0	\$0	\$0	\$0	\$0	\$15,000
147	Electric	Breaker Maintenance	1	5	Electric Fund	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
229	Electric	Pole Replacement and Line Reconstruction	1	50	Electric Fund	\$75,000	\$80,000	\$80,000	\$80,000	\$0	\$0	\$0	\$315,000
230	Electric	Circuit Reclosers and SCADA Operated Sectionalizing	1	20	Electric Fund	\$50,000	\$50,000	\$50,000	\$0	\$0	\$0	\$0	\$150,000
231	Electric	Regulators	1	25	Electric Fund	\$55,000	\$55,000	\$0	\$0	\$0	\$0	\$0	\$110,000
328	Electric	Substation exit Pole Replacement at PSB	1	20	Electric Fund	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
329	Electric	Master Plan	1	5	Electric fund	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000
19	Electric	Raceway/Dam Maintenance	2	20	Electric Fund	\$15,000	\$0	\$15,000	\$0	\$0	\$0	\$0	\$30,000
23	Electric	Air Compressor Replacement	2	30	Electric Fund	\$20,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$40,000
46	Electric	Upgrade Engine Protection Systems #2 & #5	2	20	Electric Fund	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
49	Electric	Engine #3 & #6 gauge panel replacement	2	20	Electric Fund	\$80,000	\$80,000	\$0	\$0	\$0	\$0	\$0	\$160,000
57	Electric	Overhaul East Well pump	2	10	Electric Fund	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
74	Electric	Overhaul West Well pump	2	10	Electric Fund	\$0	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
93	Electric	Overhaul #3 Engine Raw Water Pump	2	10	Electric Fund	\$13,000	\$0	\$0	\$0	\$0	\$0	\$0	\$13,000
170	Electric	Replace Protective Relaying - Generators	2	20	Electric Fund	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000
171	Electric	Replace Protective Relaying - Transformers	2	20	Electric Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
172	Electric	Replace Protective Relaying - Distribution	2	20	Electric Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
222	Electric	NESHAP/ RICE Compliance	2	25	Electric Fund	\$124,000	\$0	\$0	\$0	\$0	\$0	\$0	\$124,000
224	Electric	Remote Terminal Unit (RTU) Replacement @ Pearl Street Substation and Plant 2	2	10	Electric Fund	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
226	Electric	Distribution Stringing Blocks	2	50	Electric Fund	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000
288	Electric	Repair Blockhouse Walls	2	50	Electric Fund	\$0	\$6,000	\$0	\$0	\$0	\$0	\$0	\$6,000
289	Electric	Repair Powerhouse Brick (re-tuck joints & seal)	2	50	Electric Fund	\$0	\$0	\$0	\$40,000	\$40,000	\$0	\$0	\$80,000
290	Electric	Replace Powerhouse Windows	2	50	Electric Fund	\$0	\$95,333	\$95,334	\$95,334	\$0	\$0	\$0	\$286,001
291	Electric	Tree Removal/Replacement Program	2	50	Electric Fund	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$0	\$25,000
314	Electric	Environmental Underground Clean- up at PSB Parking Lot	2	50	Electric Fund	\$0	\$0	\$0	\$165,000	\$0	\$0	\$0	\$165,000

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
14	Electric	Recondition #1 Hydro	3	30	Electric Fund	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
47	Electric	Recondition #3 Hydro	3	30	Electric Fund	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000
64	Electric	Rewind Generator #2	3	30	Electric Fund - Bond	\$0	\$132,000	\$0	\$0	\$0	\$0	\$0	\$132,000
72	Electric	Rewind Generator #5	3	30	Electric Fund - Bond	\$0	\$0	\$145,000	\$0	\$0	\$0	\$0	\$145,000
165	Electric	Pearl Street Substation Upgrade	3	25	Electric Fund - Bond	\$0	\$0	\$0	\$2,000,000	\$3,000,000	\$0	\$0	\$5,000,000
227	Electric	Infrared Camera and Training	3	10	Electric Fund	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
228	Electric	Circuit Upgrade	3	50	Electric Fund - Bond	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
232	Electric	Relocation of Overhead Electric in South Alley between Jefferson Street and Hamilton Street and	3	35	Electric Fund - Bond	\$0	\$0	\$400,000	\$0	\$0	\$0	\$0	\$400,000
233	Electric	Sherman Drive/Wright Lane Upgrade	3	30	Electric Fund - Bond	\$0	\$0	\$0	\$3,000,000	\$0	\$0	\$0	\$3,000,000
235	Electric	Stuart Lake Circuit Underground Upgrade	3	30	Electric Fund - Bond	\$0	\$0	\$800,000	\$0	\$0	\$0	\$0	\$800,000
309	Electric	Electric Meter Replacement Project	3	20	Electric Fund - Bond or Installment Purchase Contract (Electric 50%,	\$0	\$0	\$0	\$534,275	\$0	\$0	\$0	\$534,275
327	Electric	Street Lighting	3	20	Electric Fund	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$0	\$50,000
21	Electric	Upgrade Transformer in South Substation	4	30	Electric Fund - Bond	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000
90	Electric	Retrofit Breakers in Plant #1 Switchgear	4	30	Electric Fund	\$0	\$50,000	\$50,000	\$50,000	\$0	\$0	\$0	\$150,000
		<b>Total Electric</b>				\$770,500	\$680,833	\$2,925,334	\$6,004,609	\$3,055,000	\$0	\$0	\$13,436,276
	<b>Marshall House</b>												
53	Marshall House	Apartment Remodeling - 100 Units	1	15	HUD Replacement Reserve	\$104,244	\$104,244	\$104,244	\$104,244	\$104,244	\$104,244	\$0	\$625,464
70	Marshall House	Annual Misc. Capital Purchases	1	5	Marshall House Fund	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$60,000
296	Marshall House	250,000 BTU High Efficiency Lochinvar Boilers	2	10	Marshall House Fund	\$0	\$21,160	\$0	\$0	\$0	\$0	\$0	\$21,160

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
297	Marshall House	Resurface and Seal Parking Lot	2	4	Marshall House Fund	\$15,750	\$0	\$0	\$0	\$0	\$0	\$0	\$15,750
300	Marshall House	Replace Automatic Entrance Doors	2	20	Marshall House Fund	\$0	\$0	\$9,280	\$0	\$0	\$0	\$0	\$9,280
301	Marshall House	Replace Boiler Pumps	2	10	Marshall House Fund	\$0	\$0	\$4,350	\$0	\$0	\$0	\$0	\$4,350
302	Marshall House	Exterior Brick Power Cleaned, Joints Re-tucked and Preserved with Brick Sealant	2	4	Marshall House Fund	\$0	\$0	\$13,000	\$0	\$0	\$0	\$0	\$13,000
303	Marshall House	Renovation of Meeting Room Kitchen	2	20	Marshall House Fund	\$0	\$0	\$0	\$0	\$17,500	\$0	\$0	\$17,500
304	Marshall House	Renovation of Salon	2	20	Marshall House Fund	\$0	\$0	\$0	\$0	\$6,000	\$0	\$0	\$6,000
305	Marshall House	Replace Water Softeners	2	10	Marshall House Fund	\$0	\$0	\$0	\$0	\$8,600	\$0	\$0	\$8,600
306	Marshall House	Replace Water Heaters	2	10	Marshall House Fund	\$0	\$0	\$0	\$0	\$5,800	\$0	\$0	\$5,800
		<b>Total Marshall House</b>				\$129,994	\$135,404	\$140,874	\$114,244	\$152,144	\$114,244	\$0	\$786,904
		<b>Motor Pool</b>											
326	Motor Pool	Parking Lot Pavement Repairs	1	5	Motor Pool Fund 33%, General Fund 67%	\$6,666	\$0	\$0	\$0	\$0	\$0	\$0	\$6,666
248	Motor Pool	Vehicle Lift with Support Jacks	2	20	Motor Pool & DART	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000
286	Motor Pool	DPW Garage Insulation	2	30	Motor Pool Fund 33%, General Fund 67%	\$0	\$0	\$4,000	\$0	\$0	\$0	\$0	\$4,000
		<b>Total Motor Pool</b>				\$46,666	\$0	\$4,000	\$0	\$0	\$0	\$0	\$50,666
		<b>MVH Major and Local Roads</b>											
212	Streets	Street Sign Replacement	1	15	MVH Major 35%, MVH Local 65%	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$0	\$25,000
56	Streets	Bridge Replacement-Monroe Street @ Rice Creek	2	30	MVH Major 8% - Bond, MDOT Grant 92%	\$0	\$0	\$120,250	\$0	\$0	\$0	\$1,144,750	\$1,265,000
67	Streets	Bridge Replacement-Marshall Ave @ Kalamazoo River	2	30	MVH Major 6% - Bond, MDOT Grant 94%	\$0	\$0	\$240,000	\$0	\$0	\$0	\$2,185,000	\$2,425,000
209	Streets	Local Street Rehabilitation	2	30	Bond Proceeds Reserved for Local Roads	\$220,000	\$220,000	\$0	\$0	\$0	\$0	\$0	\$440,000

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
211	Streets	MDOT Small Urban Major Street Grant Project 2015	2	30	MVH Major 26% - Bond, MDOT Grant 74%	\$0	\$131,250	\$0	\$0	\$0	\$0	\$375,000	\$506,250
324	Streets	MDOT Small Urban Major Street Grant Project 2017	2	30	MVH Major 26% - Bond, MDOT Grant 74%	\$0	\$0	\$0	\$131,250	\$0	\$0	\$0	\$131,250
		<b>Total MVH Major and Local Roads</b>				\$225,000	\$356,250	\$365,250	\$136,250	\$5,000	\$0	\$3,704,750	\$4,792,500
<b>PSB Operations</b>													
275	PSB Operations	Ice Room/Shower Room Floor Repair	2	40	Department Cost Allocation - 55% Electric, 28% GF, 9% DART, 8% Water	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
181	PSB Operations	PSB Parking Lot Crack Filling and Sealing	4	6	Department Cost Allocation - 55% Electric, 28% GF, 9% DART, 8% Water	\$0	\$0	\$0	\$0	\$15,000	\$0	\$0	\$15,000
276	PSB Operations	Exterior Maintenance	4	10	Department Cost Allocation - 55% Electric, 28% GF, 9% DART, 8% Water	\$0	\$6,500	\$0	\$0	\$0	\$0	\$0	\$6,500
		<b>Total PSB Operations</b>				\$15,000	\$6,500	\$0	\$0	\$15,000	\$0	\$0	\$36,500
<b>Wastewater</b>													
69	Wastewater	Replace Industrial Park Lift Station	1	25	Wastewater Fund Balance Reserves	\$338,000	\$0	\$0	\$0	\$0	\$0	\$0	\$338,000
132	Wastewater	I & I Study (Inflow and Infiltration)	1	15	Wastewater Fund	\$0	\$0	\$0	\$0	\$65,000	\$0	\$0	\$65,000
333	Wastewater	Sewer Inspection Software	1	10	Wastewater 50%, General Fund 50%	\$7,500	\$0	\$0	\$0	\$0	\$0	\$0	\$7,500
266	Wastewater	Wastewater Plant Brick Restoration	2	25	Wastewater Fund	\$0	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000
310	Wastewater	Wastewater Meter Replacement Project	3	20	Wastewater Fund - Bond or Installment Purchase Contract	\$0	\$0	\$0	\$267,138	\$0	\$0	\$0	\$267,138
332	Wastewater	Door and Window Replacement	3	25	Wastewater Fund	\$0	\$0	\$0	\$0	\$15,000	\$0	\$0	\$15,000
		<b>Total Wastewater</b>				\$345,500	\$20,000	\$0	\$267,138	\$80,000	\$0	\$0	\$712,638
<b>Water</b>													
258	Water	Replace Water Main on S. Marshall	2	30	Water Fund - Bond	\$0	\$0	\$0	\$585,000	\$0	\$0	\$0	\$585,000

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
260	Water	Replace Existing 4" Water Main on Jefferson, S. Eagle and Brewer	2	30	Water Fund - Bond	\$0	\$0	\$0	\$329,000	\$0	\$0	\$0	\$329,000
263	Water	New Garage at Water Treatment Plant	2	30	Water Fund	\$0	\$40,000	\$0	\$0	\$0	\$0	\$0	\$40,000
311	Water	Water Meter Replacement Project	2	20	Water Fund - Bond or Installment Purchase Contract	\$0	\$0	\$0	\$0	\$267,138	\$0	\$0	\$267,138
330	Water	Pave driveway at WTP	2	20	Water Fund	\$25,765	\$0	\$0	\$0	\$0	\$0	\$0	\$25,765
331	Water	Paint 500K Water Tower	2	15	Water Fund - Cell Tower Reserves	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000
17	Water	Replace Chlorine Gas with Sodium Hypochlorite	3	20	Water Fund	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000
59	Water	Install New Water Service on Washington & Elm	3	30	Water Fund	\$0	\$45,000	\$0	\$0	\$0	\$0	\$0	\$45,000
217	Water	Build New Treatment Plant at Well #5 Site. S. Kalamazoo behind Moonraker	3	50	Water Fund - Bond	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
		<b>Total Water</b>				\$25,765	\$85,000	\$300,000	\$914,000	\$1,267,138	\$0	\$0	\$2,591,903
		<b>TOTAL GENERAL FUND</b>				\$158,534	\$84,111	\$304,394	\$311,855	\$294,200	\$554,000	\$850,807	\$2,557,901
		<b>TOTAL CEMETERY TRUST</b>				\$55,000	\$10,000	\$85,000	\$0	\$0	\$0	\$0	\$150,000
		<b>TOTAL DART FUND</b>				\$0	\$0	\$85,000	\$88,000	\$91,000	\$94,000	\$0	\$358,000
		<b>TOTAL DDA FUND</b>				\$0	\$0	\$12,500	\$7,500	\$7,500	\$7,500	\$78,000	\$113,000
		<b>TOTAL ELECTRIC FUND</b>				\$770,500	\$680,833	\$2,925,334	\$6,004,609	\$3,055,000	\$0	\$0	\$13,436,276
		<b>TOTAL MARSHALL HOUSE</b>				\$129,994	\$135,404	\$140,874	\$114,244	\$152,144	\$114,244	\$0	\$786,904
		<b>TOTAL MOTOR POOL FUND</b>				\$46,666	\$0	\$4,000	\$0	\$0	\$0	\$0	\$50,666
		<b>TOTAL MVH ROADS</b>				\$225,000	\$356,250	\$365,250	\$136,250	\$5,000	\$0	\$3,704,750	\$4,792,500
		<b>TOTAL PSB OPERATIONS</b>				\$15,000	\$6,500	\$0	\$0	\$15,000	\$0	\$0	\$36,500
		<b>TOTAL WASTEWATER FUND</b>				\$345,500	\$20,000	\$0	\$267,138	\$80,000	\$0	\$0	\$712,638
		<b>TOTAL WATER FUND</b>				\$25,765	\$85,000	\$300,000	\$914,000	\$1,267,138	\$0	\$0	\$2,591,903
		<b>TOTAL</b>				\$1,771,959	\$1,378,098	\$4,222,352	\$7,843,596	\$4,966,982	\$769,744	\$4,633,557	\$25,586,288

City of Marshall – Council

# **Capital Improvements Program**

**Expenditures by Priority/Department-Fund**

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
	<b>Priority 1</b>												
25	Electric	Meter / Relay Calibration	1	3	Electric Fund	\$25,000	\$0	\$0	\$25,000	\$0	\$0	\$0	\$50,000
28	Electric	Power House Roof Repairs	1	25	Electric Fund	\$55,000	\$0	\$0	\$0	\$0	\$0	\$0	\$55,000
31	Electric	Upgrade Plant #1 House Power Panels	1	30	Electric Fund	\$7,500	\$7,500	\$0	\$0	\$0	\$0	\$0	\$15,000
147	Electric	Breaker Maintenance	1	5	Electric Fund	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
229	Electric	Pole Replacement and Line Reconstruction	1	50	Electric Fund	\$75,000	\$80,000	\$80,000	\$80,000	\$0	\$0	\$0	\$315,000
230	Electric	Circuit Reclosers and SCADA Operated Sectionalizing	1	20	Electric Fund	\$50,000	\$50,000	\$50,000	\$0	\$0	\$0	\$0	\$150,000
231	Electric	Regulators	1	25	Electric Fund	\$55,000	\$55,000	\$0	\$0	\$0	\$0	\$0	\$110,000
328	Electric	Substation exit Pole Replacement at PSB	1	20	Electric Fund	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
329	Electric	Master Plan	1	5	Electric fund	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000
76	Fire	Structural Fire Fighting Protective Clothing Purchase	1	10	General Fund	\$9,500	\$10,000	\$10,500	\$11,000	\$11,500	\$11,500	\$0	\$64,000
153	Fire	Personal Alert Safety System (P.A.S.S. Device) Replacement	1	5	General Fund	\$0	\$0	\$12,250	\$0	\$0	\$0	\$0	\$12,250
220	Fire	Replace 5" Supply Line Fire Hose	1	20	General Fund	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000
53	Marshall House	Apartment Remodeling - 100 Units	1	15	HUD Replacement Reserve	\$104,244	\$104,244	\$104,244	\$104,244	\$104,244	\$104,244	\$0	\$625,464
70	Marshall House	Annual Misc. Capital Purchases	1	5	Marshall House Fund	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$60,000
326	Motor Pool	Parking Lot Pavement Repairs	1	5	Motor Pool Fund 33%, General Fund 67%	\$6,666	\$0	\$0	\$0	\$0	\$0	\$0	\$6,666
207	Parks	Playground Ground Cover replacement	1	10	General fund	\$0	\$0	\$0	\$0	\$8,000	\$0	\$0	\$8,000
236	Police	Protective Vests	1	5	General Fund or Grant	\$0	\$0	\$5,200	\$0	\$0	\$0	\$0	\$5,200
238	Police	Police Vehicle Change-over	1	10	General Fund	\$6,000	\$6,000	\$6,500	\$6,500	\$6,500	\$5,000	\$3,200	\$39,700
257	Police	Police Vehicle Video Equipment	1	5	General Fund	\$5,500	\$9,200	\$5,600	\$5,600	\$0	\$0	\$2,000	\$27,900

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
318	Police	Interview Room Video	1	10	General Fund and Grant	\$0	\$7,400	\$0	\$0	\$0	\$0	\$7,400	\$14,800
282	Streets	Barricade Replacement	1	10	General Fund	\$5,000	\$0	\$0	\$0	\$5,000	\$0	\$0	\$10,000
323	Streets	Sewer Inspection Software	1	10	General Fund 50%, Wastewater 50%	\$7,500	\$0	\$0	\$0	\$0	\$0	\$0	\$7,500
334	Streets	Parking Lot Pavement Repairs	1	5	General Fund 67%, Motor Pool Fund 33%	\$13,334	\$0	\$0	\$0	\$0	\$0	\$0	\$13,334
212	Streets	Street Sign Replacement	1	15	MVH Major 35%, MVH Local 65%	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$0	\$25,000
69	Wastewater	Replace Industrial Park Lift Station	1	25	Wastewater Fund Balance Reserves	\$338,000	\$0	\$0	\$0	\$0	\$0	\$0	\$338,000
132	Wastewater	I & I Study (Inflow and Infiltration)	1	15	Wastewater Fund	\$0	\$0	\$0	\$0	\$65,000	\$0	\$0	\$65,000
333	Wastewater	Sewer Inspection Software	1	10	Wastewater 50%, General Fund 50%	\$7,500	\$0	\$0	\$0	\$0	\$0	\$0	\$7,500
		<b>TOTAL PRIORITY 1</b>				\$916,744	\$344,344	\$289,294	\$247,344	\$215,244	\$130,744	\$12,600	\$2,156,314
		<b>Priority 2</b>											
202	Airport	AWOS replacement	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$3,000	\$0	\$0	\$0	\$0	\$0	\$57,000	\$60,000
204	Airport	Terminal Building Improvements	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$16,667	\$0	\$0	\$316,666	\$333,333
206	Airport	Taxistreet Rehabilitation	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$16,667	\$0	\$0	\$0	\$0	\$316,666	\$333,333
268	Airport	Runway Extension Environmental Study	2	30	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$0	\$1,250	\$0	\$23,750	\$25,000
270	Airport	Runway Extension justification study	2	30	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$0	\$1,250	\$0	\$23,750	\$25,000
312	Airport	Preliminary Engineering for Runway Extension to Support Environmental Assessment	2	15	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$0	\$5,000	\$0	\$24,375	\$29,375
38	Cemetery	Cemetery Water Distribution System	2	20	Cemetery Trust Fund	\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000
247	Chapel	Exterior Overhang	2	30	General Fund	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$12,000
294	Downtown Development Authority	Market Study	2	5	DDA Fund 25%, General Fund 37.5%, Grant 37.5%	\$0	\$0	\$5,000	\$0	\$0	\$0	\$3,000	\$8,000
335	Downtown Development Authority	Parking Lot Pavement Repairs	2	5	DDA 50%, General Fund 50%	\$0	\$0	\$7,500	\$7,500	\$7,500	\$7,500	\$0	\$30,000

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
19	Electric	Raceway/Dam Maintenance	2	20	Electric Fund	\$15,000	\$0	\$15,000	\$0	\$0	\$0	\$0	\$30,000
23	Electric	Air Compressor Replacement	2	30	Electric Fund	\$20,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$40,000
46	Electric	Upgrade Engine Protection Systems #2 & #5	2	20	Electric Fund	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
49	Electric	Engine #3 & #6 gauge panel replacement	2	20	Electric Fund	\$80,000	\$80,000	\$0	\$0	\$0	\$0	\$0	\$160,000
57	Electric	Overhaul East Well pump	2	10	Electric Fund	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
74	Electric	Overhaul West Well pump	2	10	Electric Fund	\$0	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
93	Electric	Overhaul #3 Engine Raw Water Pump	2	10	Electric Fund	\$13,000	\$0	\$0	\$0	\$0	\$0	\$0	\$13,000
170	Electric	Replace Protective Relaying - Generators	2	20	Electric Fund	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000
171	Electric	Replace Protective Relaying - Transformers	2	20	Electric Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
172	Electric	Replace Protective Relaying - Distribution	2	20	Electric Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
222	Electric	NESHAP/ RICE Compliance	2	25	Electric Fund	\$124,000	\$0	\$0	\$0	\$0	\$0	\$0	\$124,000
224	Electric	Remote Terminal Unit (RTU) Replacement @ Pearl Street Substation and Plant 2	2	10	Electric Fund	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
226	Electric	Distribution Stringing Blocks	2	50	Electric Fund	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000
288	Electric	Repair Blockhouse Walls	2	50	Electric Fund	\$0	\$6,000	\$0	\$0	\$0	\$0	\$0	\$6,000
289	Electric	Repair Powerhouse Brick (re-tuck joints & seal)	2	50	Electric Fund	\$0	\$0	\$0	\$40,000	\$40,000	\$0	\$0	\$80,000
290	Electric	Replace Powerhouse Windows	2	50	Electric Fund	\$0	\$95,333	\$95,334	\$95,334	\$0	\$0	\$0	\$286,001
291	Electric	Tree Removal/Replacement Program	2	50	Electric Fund	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$0	\$25,000
314	Electric	Environmental Underground Clean- up at PSB Parking Lot	2	50	Electric Fund	\$0	\$0	\$0	\$165,000	\$0	\$0	\$0	\$165,000
256	Fire	Thermal Imaging Camera	2	10	General Fund	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
296	Marshall House	250,000 BTU High Efficiency Lochinvar Boilers	2	10	Marshall House Fund	\$0	\$21,160	\$0	\$0	\$0	\$0	\$0	\$21,160

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
297	Marshall House	Resurface and Seal Parking Lot	2	4	Marshall House Fund	\$15,750	\$0	\$0	\$0	\$0	\$0	\$0	\$15,750
300	Marshall House	Replace Automatic Entrance Doors	2	20	Marshall House Fund	\$0	\$0	\$9,280	\$0	\$0	\$0	\$0	\$9,280
301	Marshall House	Replace Boiler Pumps	2	10	Marshall House Fund	\$0	\$0	\$4,350	\$0	\$0	\$0	\$0	\$4,350
302	Marshall House	Exterior Brick Power Cleaned, Joints Re-tucked and Preserved with Brick Sealant	2	4	Marshall House Fund	\$0	\$0	\$13,000	\$0	\$0	\$0	\$0	\$13,000
303	Marshall House	Renovation of Meeting Room Kitchen	2	20	Marshall House Fund	\$0	\$0	\$0	\$0	\$17,500	\$0	\$0	\$17,500
304	Marshall House	Renovation of Salon	2	20	Marshall House Fund	\$0	\$0	\$0	\$0	\$6,000	\$0	\$0	\$6,000
305	Marshall House	Replace Water Softeners	2	10	Marshall House Fund	\$0	\$0	\$0	\$0	\$8,600	\$0	\$0	\$8,600
306	Marshall House	Replace Water Heaters	2	10	Marshall House Fund	\$0	\$0	\$0	\$0	\$5,800	\$0	\$0	\$5,800
248	Motor Pool	Vehicle Lift with Support Jacks	2	20	Motor Pool & DART	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000
286	Motor Pool	DPW Garage Insulation	2	30	Motor Pool Fund 33%, General Fund 67%	\$0	\$0	\$4,000	\$0	\$0	\$0	\$0	\$4,000
12	Parks	Purchase New Playground Equipment	2	25	General Fund	\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000
319	Police	Taser Replacements	2	5	General Fund	\$0	\$6,300	\$6,300	\$0	\$0	\$0	\$0	\$12,600
275	PSB Operations	Ice Room/Shower Room Floor Repair	2	40	Department Cost Allocation - 55% Electric, 28% GF, 9%	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
77	Recreation	Seal Coating & Striping Athletic Field Parking Lot	2	5	General Fund	\$8,700	\$0	\$0	\$0	\$0	\$0	\$0	\$8,700
253	Recreation	Concrete Pads Under Spectator Bleachers	2	20	General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
254	Recreation	Replace Electronic Scoreboards, Diamond #1 & #2	2	15	General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
209	Streets	Local Street Rehabilitation	2	30	General Fund (FY13 - FY15 from Bond Proceeds)	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	\$0	\$1,320,000
285	Streets	DPW Garage Insulation	2	30	General Fund 67%, Motor Pool 33%	\$0	\$0	\$8,000	\$0	\$0	\$0	\$0	\$8,000
287	Streets	Parking Lot Pavement Repairs	2	5	General Fund 50%, DDA 50%	\$0	\$0	\$7,500	\$7,500	\$7,500	\$7,500	\$0	\$30,000
325	Streets	Sign Trailer	2	20	General Fund	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
41	Streets	Sidewalk Ramp Installation	2	50	General Fund	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$60,000
56	Streets	Bridge Replacement-Monroe Street @ Rice Creek	2	30	MVH Major 8% - Bond, MDOT Grant 92%	\$0	\$0	\$120,250	\$0	\$0	\$0	\$1,144,750	\$1,265,000
67	Streets	Bridge Replacement-Marshall Ave @ Kalamazoo River	2	30	MVH Major 6% - Bond, MDOT Grant 94%	\$0	\$0	\$240,000	\$0	\$0	\$0	\$2,185,000	\$2,425,000
211	Streets	MDOT Small Urban Major Street Grant Project 2015	2	30	MVH Major 26% - Bond, MDOT Grant 74%	\$0	\$131,250	\$0	\$0	\$0	\$0	\$375,000	\$506,250
324	Streets	MDOT Small Urban Major Street Grant Project 2017	2	30	MVH Major 26% - Bond, MDOT Grant 74%	\$0	\$0	\$0	\$131,250	\$0	\$0	\$0	\$131,250
266	Wastewater	Wastewater Plant Brick Restoration	2	25	Wastewater Fund	\$0	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000
258	Water	Replace Water Main on S. Marshall	2	30	Water Fund - Bond	\$0	\$0	\$0	\$585,000	\$0	\$0	\$0	\$585,000
260	Water	Replace Existing 4" Water Main on Jefferson, S. Eagle and Brewer	2	30	Water Fund - Bond	\$0	\$0	\$0	\$329,000	\$0	\$0	\$0	\$329,000
263	Water	New Garage at Water Treatment Plant	2	30	Water Fund	\$0	\$40,000	\$0	\$0	\$0	\$0	\$0	\$40,000
311	Water	Water Meter Replacement Project	2	20	Water Fund - Bond or Installment Purchase Contract	\$0	\$0	\$0	\$0	\$267,138	\$0	\$0	\$267,138
330	Water	Pave driveway at WTP	2	20	Water Fund	\$25,765	\$0	\$0	\$0	\$0	\$0	\$0	\$25,765
331	Water	Paint 500K Water Tower	2	15	Water Fund - Cell Tower Reserves	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000
		<b>TOTAL PRIORITY 2</b>				\$817,215	\$692,710	\$970,514	\$1,612,251	\$602,538	\$245,000	\$4,469,957	\$9,410,185
	<b>Priority 3</b>												
40	Cemetery	Cemetery Road Paving Project	3	20	Cemetery Trust Fund	\$10,000	\$10,000	\$10,000	\$0	\$0	\$0	\$0	\$30,000
320	Cemetery	New Section-Expansion	3	20	Cemetery Trust Fund	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
271	City Hall	Exterior Restoration	3	30	80% Byways Grant (with tourism connection)	\$0	\$0	\$0	\$9,500	\$9,500	\$0	\$76,000	\$95,000
14	Electric	Recondition #1 Hydro	3	30	Electric Fund	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
47	Electric	Recondition #3 Hydro	3	30	Electric Fund	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
64	Electric	Rewind Generator #2	3	30	Electric Fund - Bond	\$0	\$132,000	\$0	\$0	\$0	\$0	\$0	\$132,000
72	Electric	Rewind Generator #5	3	30	Electric Fund - Bond	\$0	\$0	\$145,000	\$0	\$0	\$0	\$0	\$145,000
165	Electric	Pearl Street Substation Upgrade	3	25	Electric Fund - Bond	\$0	\$0	\$0	\$2,000,000	\$3,000,000	\$0	\$0	\$5,000,000
227	Electric	Infrared Camera and Training	3	10	Electric Fund	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
228	Electric	Circuit Upgrade	3	50	Electric Fund - Bond	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
232	Electric	Relocation of Overhead Electric in South Alley between Jefferson Street and Hamilton Street and	3	35	Electric Fund - Bond	\$0	\$0	\$400,000	\$0	\$0	\$0	\$0	\$400,000
233	Electric	Sherman Drive/Wright Lane Upgrade	3	30	Electric Fund - Bond	\$0	\$0	\$0	\$3,000,000	\$0	\$0	\$0	\$3,000,000
235	Electric	Stuart Lake Circuit Underground Upgrade	3	30	Electric Fund - Bond	\$0	\$0	\$800,000	\$0	\$0	\$0	\$0	\$800,000
309	Electric	Electric Meter Replacement Project	3	20	Electric Fund - Bond or Installment Purchase Contract (Electric 50%,	\$0	\$0	\$0	\$534,275	\$0	\$0	\$0	\$534,275
327	Electric	Street Lighting	3	20	Electric Fund	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$0	\$50,000
255	Recreation	Dug-Outs, Diamond #3 & #4	3	25	General Fund	\$0	\$12,544	\$12,544	\$0	\$0	\$0	\$0	\$25,088
178	Streets	Storage Rack for Salt Spreaders and Dump Box Covers	3	30	General Fund	\$8,000	\$0	\$0	\$0	\$0	\$0	\$0	\$8,000
310	Wastewater	Wastewater Meter Replacement Project	3	20	Wastewater Fund - Bond or Installment Purchase Contract	\$0	\$0	\$0	\$267,138	\$0	\$0	\$0	\$267,138
332	Wastewater	Door and Window Replacement	3	25	Wastewater Fund	\$0	\$0	\$0	\$0	\$15,000	\$0	\$0	\$15,000
17	Water	Replace Chlorine Gas with Sodium Hypochlorite	3	20	Water Fund	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000
59	Water	Install New Water Service on Washington & Elm	3	30	Water Fund	\$0	\$45,000	\$0	\$0	\$0	\$0	\$0	\$45,000
217	Water	Build New Treatment Plant at Well #5 Site. S. Kalamazoo behind Moonraker	3	50	Water Fund - Bond	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
		<b>TOTAL PRIORITY 3</b>				\$38,000	\$284,544	\$2,627,544	\$5,820,913	\$4,034,500	\$0	\$76,000	\$12,881,501
	<b>Priority 4</b>												
252	Dart	Bus Replacement	4	7	100% Federal Grant	\$0	\$0	\$85,000	\$88,000	\$91,000	\$94,000	\$0	\$358,000

**City of Marshall  
Capital Improvements Program  
Expenditures by Department/Fund**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
295	Downtown Development Authority	Downtown Place-Finding Signage	4	20	Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$75,000
21	Electric	Upgrade Transformer in South Substation	4	30	Electric Fund - Bond	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000
90	Electric	Retrofit Breakers in Plant #1 Switchgear	4	30	Electric Fund	\$0	\$50,000	\$50,000	\$50,000	\$0	\$0	\$0	\$150,000
181	PSB Operations	PSB Parking Lot Crack Filling and Sealing	4	6	Department Cost Allocation - 55% Electric, 28% GF, 9%	\$0	\$0	\$0	\$0	\$15,000	\$0	\$0	\$15,000
276	PSB Operations	Exterior Maintenance	4	10	Department Cost Allocation - 55% Electric, 28% GF, 9%	\$0	\$6,500	\$0	\$0	\$0	\$0	\$0	\$6,500
58	Recreation	Replacement of Athletic Field Light System	4	15	General Fund Transfer to Electric Fund - Bond	\$0	\$0	\$0	\$0	\$0	\$300,000	\$0	\$300,000
122	Recreation	Dug Outs	4	10	General Fund	\$0	\$0	\$0	\$25,088	\$0	\$0	\$0	\$25,088
315	Recreation	Picnic Pavilion	4	25	General Fund	\$0	\$0	\$0	\$0	\$8,700	\$0	\$0	\$8,700
		<b>TOTAL PRIORITY 4</b>				\$0	\$56,500	\$335,000	\$163,088	\$114,700	\$394,000	\$75,000	\$1,138,288
		<b>TOTAL</b>				\$1,771,959	\$1,378,098	\$4,222,352	\$7,843,596	\$4,966,982	\$769,744	\$4,633,557	\$25,586,288

City of Marshall – Council

# **Capital Improvements Program**

**Project Description**

## City of Marshall Capital Improvements Program Project Description

Record #	Department (sort with filter)	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
12	Parks	Purchase New Playground Equipment	2	New playground equipment will be needed to replace equipment and to meet accessibility standards as indicated in the Parks & Rec Master Plan.	No effect on operational revenues and expenditures anticipated.
14	Electric	Recondition #1 Hydro	3	Improve the efficiency of the hydro power supply generated by the river flow.	\$2,250 depreciation expense per year.
17	Water	Replace Chlorine Gas with Sodium Hypochlorite	3	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.	Increase in operational costs because sodium hypochlorite is a more expensive alternative. \$5,000 depreciation.
19	Electric	Raceway/Dam Maintenance	2	Maintain the structures for safe & efficient operations to meet FERC mandates/licensing. This is a 5-year maintenance program of the concrete structures.	No direct cost or savings. \$750-\$1,500 depreciation.
21	Electric	Upgrade Transformer in South Substation	4	The transformer is circa 1972 that tests okay as of now but will need replacement in the future.	No direct cost or savings. \$6,667 depreciation.
23	Electric	Air Compressor Replacement	2	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.	No direct cost or savings. \$1,333 depreciation.
25	Electric	Meter / Relay Calibration	1	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.	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.
28	Electric	Power House Roof Repairs	1	Maintain existing facilities as detailed in the facilities management plan	Deferring maintenance of the structure could result in more costly damage and repairs.
31	Electric	Upgrade Plant #1 House Power Panels	1	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.	No direct cost or savings. \$500 depreciation.
38	Cemetery	Cemetery Water Distribution System	2	Replacing the current water distribution system will eliminate line breaks which will result in reduced water usage as a result of the leaks.	Will reduce water loss and maintenance costs due to the age of the current system. Needs to be done prior to road paving.
40	Cemetery	Cemetery Road Paving Project	3	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.	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.
41	Streets	Sidewalk Ramp Installation	2	Repair of 100 sidewalk ramps at intersections under the City's jurisdiction which do not currently have a handicap accessible ramp.	Increased pedestrian safety.

## City of Marshall Capital Improvements Program Project Description

Record #	Department (sort with filter)	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
46	Electric	Upgrade Engine Protection Systems #2 & #5	2	To allow a small work force to operate the equipment as needed by MSCPA and the customers of the City of Marshall.	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.
47	Electric	Recondition #3 Hydro	3	Improve the efficiency of the hydro power supply generated by the river flow.	\$2,500 depreciation expense per year.
49	Electric	Engine #3 & #6 gauge panel replacement	2	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.	Presumed savings unknown. \$8,000 depreciation.
53	Marshall House	Apartment Remodeling - 100 Units	1	Remove old and replace with new cabinets, countertops and floor coverings with vinyl base. Current items from original construction in 1979.	Add'l depreciation expense of \$7,000 annually.
56	Streets	Bridge Replacement-Monroe Street @ Rice Creek	2	Replacing of 100 year-old structure utilizing match from MDOT grant.	Increase safety and load handling of the bridge.
57	Electric	Overhaul East Well pump	2	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.	\$1500 depreciation expense annually.
58	Recreation	Replacement of Athletic Field Light System	4	The current lights on diamond #1 & #2 are approaching the end of their expected life. The entire system should be replaced.	No effect on operational expenditures.
59	Water	Install New Water Service on Washington & Elm	3	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.	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.
64	Electric	Rewind Generator #2	3	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.	\$4,400 depreciation expense per year.
67	Streets	Bridge Replacement-Marshall Ave @ Kalamazoo River	2	Replacing of 100 year-old structure utilizing match from MDOT grant.	Increase safety and load handling of the bridge.
69	Wastewater	Replace Industrial Park Lift Station	1	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.	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. \$13,520 depreciation.
70	Marshall House	Annual Misc. Capital Purchases	1	Carpeting, painting, vinyl in common areas	Add'l depreciation expense of \$2,000 annually.

**City of Marshall**  
**Capital Improvements Program Project Description**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
72	Electric	Rewind Generator #5	3	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.	\$4,833 depreciation expense per year.
74	Electric	Overhaul West Well pump	2	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.	\$1,500 depreciation per year.
76	Fire	Structural Fire Fighting Protective Clothing Purchase	1	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.	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.
77	Recreation	Seal Coating & Striping Athletic Field Parking Lot	2	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.	None expected. This is a general maintenance to ensure the life of the parking lot.
90	Electric	Retrofit Breakers in Plant #1 Switchgear	4	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.	No direct cost or savings. \$5,000 depreciation.
93	Electric	Overhaul #3 Engine Raw Water Pump	2	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.	No direct cost or savings; will maintain generating equipment for safe and efficient operation.
122	Recreation	Dug Outs	4	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.	Potential increased revenue by attracting additional tournaments.
132	Wastewater	I & I Study (Inflow and Infiltration)	1	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.	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.

**City of Marshall**  
**Capital Improvements Program Project Description**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
147	Electric	Breaker Maintenance	1	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.	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. \$5000 depreciation.
153	Fire	Personal Alert Safety System (P.A.S.S. Device) Replacement	1	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.	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.
165	Electric	Pearl Street Substation Upgrade	3	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.	Anticipated load growth may substitute this project to service our customers in a safe efficient manner.
170	Electric	Replace Protective Relaying - Generators	2	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.	Current generation has little or no protection at this time. \$2000 depreciation.
171	Electric	Replace Protective Relaying - Transformers	2	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.	Replace electro/mechanical relays with microprocessor-based relays. This should reduce costs of calibration and maintenance and offer increased protection for equipment and personnel. \$1000 depreciation.
172	Electric	Replace Protective Relaying - Distribution	2	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.	Replace electro/mechanical relays with microprocessor-based relays. This should reduce costs of calibration and maintenance and offer increased protection for equipment and personnel. \$4900 depreciation.

**City of Marshall**  
**Capital Improvements Program Project Description**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
178	Streets	Storage Rack for Salt Spreaders and Dump Box Covers	3	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.	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.
181	PSB Operations	PSB Parking Lot Crack Filling and Sealing	4	PSB parking lot will need crack filling and sealing to preserve condition of asphalt.	Maintenance.
202	Airport	AWOS replacement	2	The existing automated weather observation system (AWOS) equipment will need to be replaced to address the lack of new replacement parts.	Reduction in replacement parts for old AWOS system.
204	Airport	Terminal Building Improvements	2	The existing terminal building, due to it's age, requires improvements to maintain the use of the building. This includes a new roof, as well as general improvements.	Reduction in maintenance expenses.
206	Airport	Taxistreet Rehabilitation	2	The most recent PCI rated these pavements between 41-55, indicating the need for rehabilitation. Since these pavements service the majority of the hangers on the field, they need to be maintained free of debris.	Reduction in maintenance expenses.
207	Parks	Playground Ground Cover replacement	1	As suggested by the recent playground inspection new mulch should be install in all playstruction throughout the city	Potential reduction in accident liability
209	Streets	Local Street Rehabilitation	2	Road repaving and rehabilitation. Locations to be determined.	Reduction in maintenance cost.
211	Streets	MDOT Small Urban Major Street Grant Project 2015	2	Major Street project. Project location to be selected through Road Report.	Reduction in maintenance cost.
212	Streets	Street Sign Replacement	1	Sign maintenance to higher reflective standards.	None.
217	Water	Build New Treatment Plant at Well #5 Site. S. Kalamazoo behind Moonraker	3	Install water main and build water treatment plant at #5 well site. This would add a backup in case of contamination to other four wells on Green St.	Increase utility use and chemical inventory

**City of Marshall  
Capital Improvements Program Project Description**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
220	Fire	Replace 5" Supply Line Fire Hose	1	Fire hose, as with most other equipment, can only last so long before having to be replaced. We are approaching that time when we are starting to see a gradual failure of our 5" supply line hose. By purchasing our hose in increments of 10 we can restock of inventory of hose.	Presently, approximately 15 lengths of our current inventory of 25 lengths of our Large Diameter Hose are approaching 18 to 25 years old, with the other 10 lengths being less than 10 years old. We are experiencing pin holes or failure of some of these hoses every year that we conducted our hose test in the past few years. Testing is conducted as required by N.F.P.A and I.S.O. We are presently down to 2500' from 3,000' of 5" hose on our one engine that we use as our 2 <sup>nd</sup> due to connect from the hydrant to our 1 <sup>st</sup> due engine. We would like to maintain 3,000' so as to reach some areas of the City that are not serviced by hydrants. The 500' of hose that has pin holes, but still sustains the test pressure, has been placed on our 1 <sup>st</sup> due engine as auxiliary or backup hose, thus giving us a total of 3000' of hose, but not on one engine. By purchasing 30 lengths of hose we can update our inventory to have fairly new hose on our 2 <sup>nd</sup> due engine and place the older but still tested remaining hose on our 1 <sup>st</sup> due engine.
222	Electric	NESHAP/ RICE Compliance	2	National Emission Standards for Hazardous Air Pollutants (NESHAP) for Reciprocating Internal Combustion Compression Ignition (CI) Engines (RICE). As required by 40CFR63 Subpart A and Subpart ZZZZ will require the installation and testing of catalysts on each exhaust system. Fiscal year 2012 will complete our two most economical and largest units, with remainder being completed before the deadline of May 2013.	EPA regulations.

**City of Marshall**  
**Capital Improvements Program Project Description**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
224	Electric	Remote Terminal Unit (RTU) Replacement @ Pearl Street Substation and Plant 2	2	The term RTU is short for remote terminal unit. In Supervisory Control and Data Acquisition (SCADA) systems, an RTU is a device installed at a remote location that collects data, codes the data into a format that is transmittable and transmits the data back to a central station, or master. An RTU also collects information from the master device and implements processes that are directed by the master. RTUs are equipped with input channels for sensing or metering, output channels for control, indication or alarms and a communications port. Our current RTU's were installed in 1995 when we installed the G&W DACScan system. In 2005 we installed the current system from Survalent Technology Corporation using the existing RTU's. These units are beginning to experience troubles with locking up and not being able to handle the current data communication let alone any additional data from the new relaying.	No direct cost or savings. \$8,500 depreciation.
226	Electric	Distribution Stringing Blocks	2	A stringing block is used to support and allow movement of a cable that is being installed. A cable stringing block assembly has a frame and axle assembly configured to hold a non-conducting sheave wheel. The sheave wheel is fabricated of a durable polymeric material. In one embodiment, the sheave wheel is self-lubricating, having a coefficient of friction less than 0.5. A handle is optionally affixed to the frame structure to facilitate transport of the block assembly. In another embodiment, a spring-biased fly gate facilitates side-loading of the cable. The cast aluminum frame can be anodized to disguise its appearance from scrap aluminum thieves and provide additional weather protection.	We currently borrow Coldwater's stringing blocks. When we need to string wire we must send employees to pick them up and to take them back, utilizing valuable time.
227	Electric	Infrared Camera and Training	3	With thermal imaging (Infrared), power line maintenance technicians locate overheating joints and parts, a telltale sign of their failure, to eliminate potential hazards. All objects emit a certain amount of black body radiation as a function of their temperatures. Generally speaking, the higher an object's temperature, the more infrared radiation or black-body radiation it emits. An infrared camera can detect this radiation in a way similar an ordinary camera does visible light. It works even in total darkness because ambient light level does not matter. For use in temperature measurement the brightest (warmest) parts of the image are customarily colored white, intermediate temperatures reds and yellows, and the dimmest (coolest) parts blue. The electric department and Power House have a company take infrared pictures of suspected "hot" spots at a rate of \$2,000 - \$2,500 per year. The camera would allow us to check suspected hazard immediately, possibly catching the potential hazards before it occurs.	System reliability and the reduction of an annual expense of \$1,000 for a consultant to perform these services.
228	Electric	Circuit Upgrade	3	New poles and reconductor 3 phase from corner of High St & E Prospect east to N Liberty, north on Liberty to Forest, west on Forest to N Marshall, north on N Marshall to North Drive, west on North Drive to dead-end pole. High St from E Prospect north to Forest currently only single phase.	

**City of Marshall**  
**Capital Improvements Program Project Description**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
229	Electric	Pole Replacement and Line Reconstruction	1	Most of the older poles in the City of Marshall are Creosote treated poles and have a life expectancy of 30 - 40 years. However, Creosote, is not environmentally acceptable by today's standards. In most recent history, the City has purchased Penta and CCA treated poles. Many of the poles in the City of Marshall's electric system have aged way beyond 60 years and are in desperate need of replacement. We would like to implement a plan to replace several poles and conductor (if needed) per year to get the poles in the system more environmentally friendly and safe.	System reliability with a reduction in maintenance and overtime trouble calls.
230	Electric	Circuit Reclosers and SCADA Operated Sectionalizing	1	Auto-reclosers are used in coordinated protection schemes for overhead line power distribution circuits. Auto-recloser/sectionizing switches will make several pre-programmed attempts to re-energize the line unlike blown fuses which require manual replacement. Auto-reclosers are made in single-phase and three-phase versions. Controls for the auto-reclosers range from the original electromechanical systems to digital electronics with metering and SCADA functions.	System reliability with a reduction in maintenance cost and overtime trouble calls.
231	Electric	Regulators	1	To maintain the voltage at the customer's service within the acceptable range, electrical distribution utilities use regulating equipment at electrical substations or along the distribution line. At a substation, the step-down transformer will have an automatic on-load tap changer, allowing the ratio between transmission voltage and distribution voltage to be adjusted in steps. For long distribution circuits, automatic voltage regulators may be mounted on poles of the distribution line. These are autotransformers again with on-load tap changers to adjust the ratio depending on the observed voltage changes. At each customer's service, the step-down transformer has up to five taps to allow some range of adjustment, usually $\pm 5\%$ of the nominal voltage. Since these taps are not automatically controlled, they are only used to adjust the long-term average voltage at the service and do not regulate the voltage seen by the utility customer.	Increase quality of electricity.
232	Electric	Relocation of Overhead Electric in South Alley between Jefferson Street and Hamilton Street and Eagle Street to Grand Street to Underground.	3	The relocation of the overhead power lines in the South Alley between Jefferson and Hamilton and Grand and Eagle will complete the project that was started in 2007. This relocation will aid in fire responses and also help to clean up the rear facades of the business downtown.	Increase safety.
233	Electric	Sherman Drive/Wright Lane Upgrade	3	The underground electric in this neighborhood originated in the mid 1960's. Generally speaking underground electric becomes unreliable after 20 years and reaches the end of its life at approximately 25 – 35 years. Due to the age of the infrastructure, we recommended replacing existing primary and secondary lines.	System reliability with a reduction in maintenance and overtime trouble calls.
235	Electric	Stuart Lake Circuit Underground Upgrade	3	From Homer Rd go south on 18 ½ Mile Rd (Stuart Lake Road) 2650' replacing existing primary wire with new 4/0 copper wire (15kv) in 6" conduit.	

## City of Marshall Capital Improvements Program Project Description

Record #	Department (sort with filter)	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
236	Police	Protective Vests	1	Protective armor vests are worn by all personnel wearing a uniform. It is a contractual agreement that the City of Marshall provide the vests. It is also an industry standard to provide and wear the protective armor.	This is an officer safety issue and one that has proven to reduce or eliminate injuries and also saved lives. This has significant savings should a catastrophic event occur.
238	Police	Police Vehicle Change-over	1	To purchase all new equipment other than radios for the new vehicles beginning in 2011. This is due to the crown Victoria no longer be produced, therefore a new design vehicle will be utilized. This will not allow the current equipment to change-over to the new design.	Provide safety equipment and emergency equipment to all new vehicles.
247	Chapel	Exterior Overhang	2	Chapel will need replacement of overhang, trim, fascia board and guttering to protect new roof. Current overhang is rotted and will eventually collapse.	Deter any further deterioration of the building which will increase maintenance costs.
248	Motor Pool	Vehicle Lift with Support Jacks	2	A second lift is needed to be able to work on two vehicles at a time. The proposed lift will consist of four independent towers that will allow the lift mechanisms to be adjusted for the vehicle length. It will be rated for the heaviest vehicle it will be required to lift. The city has a list of vehicles and equipment that is considered emergency in nature and have priority over the lift. If one vehicle is being repaired and it is not considered an emergency vehicle, it has to be moved to make room for the emergency piece of equipment. This takes time and may require overtime to get the piece of equipment or vehicle back in operation. This type of lift can be made	Using two lifts will result in a savings of approximately \$5,000 a year in lost productivity, not only includes the motor pool, but other departments as well that need to readjust their schedules because the lift is in use.
251	Motor Pool	Diagnostic Software and Equipment	2	The current software will only read the error codes, and it will not tell the mechanic what is specifically wrong with the vehicle. Therefore, the mechanic has to spend time calling equipment manufacturers to find out what the code means. In addition, vehicle manufacturers have introduced new codes that are not part of the current software package.	The software and equipment will give the mechanics the necessary information to be able to decide if the vehicle can be fixed in house or need to be sent out.
252	Dart	Bus Replacement	4	Replacement of busses for local transportation services. Replacement criteria based on age/mileage of vehicle	Vehicle maintenance costs increase with age and usage.
253	Recreation	Concrete Pads Under Spectator Bleachers	2	This project is to eliminate grass and weed growth under the bleachers which will reduce the maintenance challenge of keeping this area well groomed. This is another step in making this facility as aesthetically pleasing and professional as possible. Concrete pads have been set under picnic tables at Ketchum Park that have made a difference in appearance and have made it significantly easier to maintain.	Slight reduction in salaries associated with Athletic Field Maintenance mowing and trimming.
254	Recreation	Replace Electronic Scoreboards, Diamond #1 & #2	2	The current scoreboards on diamonds #1 & #2 have reached their life expectancy (15+ years) and have been a challenge to keep in semi-working order. We continue to receive complaints from participants about the current scoreboards and their desire to have them replaced. Scoreboards will be replaced with an 8' x 6' LED unit with wireless remote control, and internal power pack, pricing includes installation by the vendor.	Reduction in utility costs.

## City of Marshall Capital Improvements Program Project Description

Record #	Department (sort with filter)	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
255	Recreation	Dug-Outs, Diamond #3 & #4	3	Dug-outs for diamonds #3 & #4 can provide additional safety and protection to players while separating from spectators which is desired for tournament/league play. This will add a professional element to the facility and may help to expand programming/rentals.	Dug-outs will have low maintenance. This extra amenity may help to attract more field rentals.
256	Fire	Thermal Imaging Camera	2	The Thermal imaging camera on our front line engine unit 12-31 has passed the end of its projected life span. It was originally purchased in 1997, and it is now 15 years old and getting more difficult to find replacement parts for it when it needs repairs. The newer technology is far superior to what we have now and will aid the department in better serving the community. This piece of equipment will also make searching a building much safer for our fighters.	This is a replacement cost with no annual maintenance.
257	Police	Police Vehicle Video Equipment	1	Patrol car cameras are used daily by this agency. We utilize the cameras to document crimes, actions by offenders, and officers. The Marshall Police Department has a policy and Procedure stating that while on patrol the car video has to be on and functioning. The audio must be engaged whenever contact with the public is made. The cameras are an asset to the City of Marshall as it reduces liability and also aids in conviction of crimes.	The cameras provide crucial documentation of police practices public contacts. They are an industry standard and are useful in court presentations, training issues, and reduction liability.
258	Water	Replace Water Main on S. Marshall	2	Replace aging 6" water main on S. Marshall from Michigan Ave. to Raymond Rd. with 8" Ductile Iron. As recommended in the 2008 Master Plan.	Reduction in maintenance to structure, increase water quality and flow.
260	Water	Replace Existing 4" Water Main on Jefferson, S. Eagle and Brewer	2	Replace existing 4" cast iron water main in four locations. Upgrade to Ductile Iron pipe. As recommended in the 2008 Master Plan.	Reduction in maintenance to structure, increase in water quality and flow.
263	Water	New Garage at Water Treatment Plant	2	Build pole style building for trucks and storage at the Water Treatment Plant. As suggested by the operational study in 2010.	Save time money and eliminate using space at the Public Services Building.
266	Wastewater	Wastewater Plant Brick Restoration	2	Brick restoration on all buildings with the exception of the RMA. Buildings range in construction from 1955 to 1975. Project will mainly consist of tuck pointing and sealing of exterior. Some interior work is needed on concrete block garage dating to mid to late 1960's.	General maintenance needed on facilities with no real effect on plant operations. Extends the life of the buildings.
268	Airport	Runway Extension Environmental Study	2	An environmental assessment will be necessary to document any potential environmental issues associated with the runway extension.	None.
270	Airport	Runway Extension justification study	2	Since more than ten years will have elapsed since the ALP update, it will be necessary to assess current FAA criteria related to runway layout, as well as provide justification for the runway extension which will be used in the proposed and need section of the environmental assessment.	None.
271	City Hall	Exterior Restoration	3	Project will replace loose stones and joints on the façade of City Hall. It will be sealed appropriately to keep building viable.	Decrease maintenance and energy efficient.
275	PSB Operations	Ice Room/Shower Room Floor Repair	2	Due to major leaks in the existing tile upstairs, the leaks cannot be repaired without the tile being completely removed and reinstalled. The leaks are causing major damage to downstairs ceilings.	Deter any further deterioration of the floor which will increase maintenance costs.

**City of Marshall**  
**Capital Improvements Program Project Description**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
276	PSB Operations	Exterior Maintenance	4	PSB exterior needs to be power washed and sealed to keep the concrete aesthetically pleasing.	Maintenance.
282	Streets	Barricade Replacement	1	Replacement of traffic barricades and cones that are used for special events, maintenance, and construction.	None.
284	Motor Pool	DPW Roof and Wall Improvements	1	Roof over the DPW will be replaced which is currently leaking and beyond repair. Along with the roof the exterior walls are rusted out and will need to be repaired. Repairs are suggested by 2011 facilities review.	Reduction in maintenance cost.
285	Streets	DPW Garage Insulation	2	Recommended insulation will reduce the utility cost of during the winter months of the DPW. Project was suggested as part of the 2011 facilities report.	Reduction in utility cost.
286	Motor Pool	DPW Garage Insulation	2	Recommended insulation will reduce the utility cost of during the winter months of the DPW. Project was suggested as part of the 2011 facilities report.	Reduction in utility cost.
287	Streets	Parking Lot Pavement Repairs	2	Pavement sealing program for all city owned or maintained parking lots to extend life of the pavement.	Reduction in maintenance on deteriorating parking lots.
288	Electric	Repair Blockhouse Walls	2	Concrete block walls are crumbling along roof line and are in need of repair as detailed in the facilities management plan	Restoration of block walls. \$120 depreciation
289	Electric	Repair Powerhouse Brick (re-tuck joints & seal)	2	General maintenance of brick structures as detailed in the facilities management plan	Repair brick, re-tuck joints and seal. \$160000 depreciation
290	Electric	Replace Powerhouse Windows	2	Existing windows are the original single pane steel framed and not energy efficient at all. Many of the window sills and frames are deteriorated to the point that water is coming in and further damaging the building.	Estimate based on no asbestos. Must meet historical restoration guidelines. \$5720 depreciation
291	Electric	Tree Removal/Replacement Program	2	Removal and replacement of trees that need to be trimmed from overhead lines to the extent that they are structurally, physical unsound, unhealthy and unsightly. The tree will be completely removed and replanted with a lower growing species.	Reduction of customer outages, storm damage, repairs and increased reliability.
294	Downtown Development Authority	Market Study	2	Market Study Update for the City of Marshall – including all commercial districts and corridors into the city. This study is an important tool for recruiting new businesses, and providing information to existing businesses for marketing, promotions and business expansion ideas.	None.
295	Downtown Development Authority	Downtown Place-Finding Signage	4	Place-finding signage for Marshall's historic and cultural attractions and corridors. The need has been discussed, and funding will be sought under a future Byways grant.	None.
296	Marshall House	250,000 BTU High Efficiency Lochinvar Boilers	2	The current boiler is eleven years old and is at the end of it's estimated useful life.	Maintenance and repair savings will be realized as well as energy savings by replacement with a high efficient model.

## City of Marshall Capital Improvements Program Project Description

Record #	Department (sort with filter)	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
297	Marshall House	Resurface and Seal Parking Lot	2	The resurfacing and sealing of the parking lot is the minimal maintenance required prevent further under the surface damage/cracking from occurring due to water penetration and fluctuating seasonal temperatures.	The minimal maintenance adds to the useful life of the parking lot.
300	Marshall House	Replace Automatic Entrance Doors	2	They are the original entry doors of the facility and have long outlived their expected life.	Replacement insures safety and security of tenants as well as increased energy efficiency.
301	Marshall House	Replace Boiler Pumps	2	They are at the end of their estimated useful life.	Replacement insures continuous uninterrupted heat for tenants.
302	Marshall House	Exterior Brick Power Cleaned, Joints Re-tucked and Preserved with Brick Sealant	2	The re-sealing of the brick is the minimal amount of maintenance required to prevent further water infiltration into interior of apartments causing further damage.	Preserving brick and health and safety of tenants.
303	Marshall House	Renovation of Meeting Room Kitchen	2	The current cabinetry is falling into a state of disrepair and is about to exceed its estimated useful life.	Insures Community Action Meal site safety requirements are met as well as those of the Board of Health.
304	Marshall House	Renovation of Salon	2	The salon and its equipment have long outlived its estimated useful lifespan.	Insures a convenient service for tenants with limited mobility, especially during winter months.
305	Marshall House	Replace Water Softeners	2	The water softeners will be exceeding their useful lifespan in fifteen years and will need to be replaced.	Future will increase energy savings and will insure continued efficient operations of boilers and heaters.
306	Marshall House	Replace Water Heaters	2	The water heaters will be exceeding their useful lifespan and will need to be replaced.	Insures uninterrupted hot water for tenants. Future units are expected to be more efficient.
309	Electric	Electric Meter Replacement Project	3	This system will automate the collection of meter readings and data from a centrally located facility eliminating the need for door to door readings, reduce or eliminate inaccurate readings and flag problems or tampering with a meter. This system will also provide us with an Outage Management System (OMS), pinpointing back to what device (Breaker, Recloser, Fuse) the outage originates from therefore reducing outage response time. The system will be fully functional within existing ESRI map framework and be ready for immediate integration with the proposed "mPower Innovations" AMI/OMS software. The system will be scalable and capable of pulling in all other available and future layers and data sources.	Increased maintenance costs \$14,050. Depreciation is \$26,714 annually.
310	Wastewater	Wastewater Meter Replacement Project	3	This system will automate the collection of meter readings and data from a centrally located facility eliminating the need for door to door readings, reduce or eliminate inaccurate readings and flag problems or tampering with a meter. This system will also provide us with an Outage Management System (OMS), pinpointing back to what device (Breaker, Recloser, Fuse) the outage originates from therefore reducing outage response time. The system will be fully functional within existing ESRI map framework and be ready for immediate integration with the proposed "mPower Innovations" AMI/OMS software. The system will be scalable and capable of pulling in all other available and future layers and data sources.	Increased maintenance costs \$7,025. Depreciation is \$13,357 annually.

## City of Marshall Capital Improvements Program Project Description

Record #	Department (sort with filter)	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
311	Water	Water Meter Replacement Project	2	This system will automate the collection of meter readings and data from a centrally located facility eliminating the need for door to door readings, reduce or eliminate inaccurate readings and flag problems or tampering with a meter. This system will also provide us with an Outage Management System (OMS), pinpointing back to what device (Breaker, Recloser, Fuse) the outage originates from therefore reducing outage response time. The system will be fully functional within existing ESRI map framework and be ready for immediate integration with the proposed "mPower Innovations" AMI/OMS software. The system will be scalable and capable of pulling in all other available and future layers and data sources. Water meters have exceeded their useful life and need to be replaced.	Increased maintenance costs \$7,025. Depreciation is \$13,357 annually. Increase revenue.
312	Airport	Preliminary Engineering for Runway Extension to Support Environmental Assessment	2	Engineering will be necessary to determine grading limits and general runway layout for the EA document. This will include approach assessments for obstruction removal.	None.
314	Electric	Environmental Underground Clean-up at PSB Parking Lot	2	Underground soil testing reports environmental clean-up required. Past landowner not responsible. DNR notified.	None.
315	Recreation	Picnic Pavilion	4	Picnic Pavilion between Diamonds #3 & #4 will provide a nice shaded area for players and spectators as they await game time during regular league play and/or tournament play.	None expected.
318	Police	Interview Room Video	1	Interview room video to interface with the car video system to be compatible with the current server.	The cameras provide crucial documentation of police practices public contacts. They are an industry standard and are useful in court presentations, training issues, and reduction liability.
319	Police	Taser Replacements	2	Current Tasers are more than 5 years old and are beginning to need extensive repairs. This program is based over 2 year replacement.	This provides LESS THAN LETHAL options for our officers. This will reduce potential exposures to injuries and liabilities to the officers and City.
320	Cemetery	New Section-Expansion	3	As the current cemetery becomes occupied, plans must be made to expand the facility into the land currently owned by the City of Marshall which is being used for farming.	Continued ability to sell cemetery lots.
323	Streets	Sewer Inspection Software	1	The current sewer inspection software is out of date and updates are not available.	None.
324	Streets	MDOT Small Urban Major Street Grant Project 2017	2	Major Street project. Project location to be selected through Road Report	Reduction in maintenance cost.
325	Streets	Sign Trailer	2	Design/build a trailer to store and haul barricades and sign in a more efficient manner.	efficient delivery of barricades for emergency situations and festivals
326	Streets	Parking Lot Pavement Repairs	1	Crack fill, seal and stripe parking lot to prolong life of existing asphalt.	Extends life of existing asphalt
327	Electric	Street Lighting	3	Street and Security lighting to gradually be replaced with Energy Efficient LED or Induction Lighting fixtures. These fixtures will provide approximately 70% energy savings over the current Mercury Vapor, Metal Halide, High Pressure Sodium Lighting we are currently using.	Reduction in energy loss and potential cost savings.

**City of Marshall**  
**Capital Improvements Program Project Description**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
328	Electric	Substation exit Pole Replacement at PSB	1	Pole is in very bad shape. If we were to loose this pole, it would potentially involve an extended outage of 3 of our primary circuits feeding our distribution system. The proposed replacement pole would be a steel pole with a concrete foundation eliminating the need for guying and push pole support which it currently has.	None.
329	Electric	Master Plan	1	Master plan to will evaluate system facility and identify projects that staff should be considering. Study will investigate the powerhouse, substations, distribution system, controls, and help identify how to handle future growth.	None.
330	Water	Pave driveway at WTP	2	Pave driveway and parking area at the Water Treatment Plant to become compliant with City code.	Decrease Maintenance to Facility
331	Water	Paint 500K Water Tower	2	Abrasive blast clean and paint exterior of Industrial Park water tower and make modifications to the structure as indicated in maintenance inspection of 2008	Delay large capital investments by maintaining current structure.
332	Wastewater	Door and Window Replacement	3	This project will entail replacing a number of exterior doors and windows in the various buildings at the Wastewater Plant. Some of these doors have been damaged by the naturally corrosive atmosphere present. Others need replacing due to age. The windows needing replacement are due to age and deterioration.	Increase energy efficiency and reduce utility costs.
333	Wastewater	Sewer Inspection Software	1	The current sewer inspection software is out of date and updates are not available.	None.

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**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
	<b>Priority 1</b>												
147	Electric	Breaker Maintenance	1	5	Electric Fund	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
230	Electric	Circuit Reclosers and SCADA Operated Sectionalizing	1	20	Electric Fund	\$50,000	\$50,000	\$50,000	\$0	\$0	\$0	\$0	\$150,000
223	Electric	Embankment Project	1	50	Electric Fund - Bond	\$100,000	\$550,000	\$0	\$0	\$0	\$0	\$0	\$650,000
329	Electric	Master Plan	1	5	Electric fund	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000
25	Electric	Meter / Relay Calibration	1	3	Electric Fund	\$25,000	\$0	\$0	\$25,000	\$0	\$0	\$0	\$50,000
229	Electric	Pole Replacement and Line Reconstruction	1	50	Electric Fund	\$75,000	\$80,000	\$80,000	\$80,000	\$0	\$0	\$0	\$315,000
28	Electric	Power House Roof Repairs	1	25	Electric Fund	\$55,000	\$0	\$0	\$0	\$0	\$0	\$0	\$55,000
231	Electric	Regulators	1	25	Electric Fund	\$55,000	\$55,000	\$0	\$0	\$0	\$0	\$0	\$110,000
328	Electric	Substation exit Pole Replacement at PSB	1	20	Electric Fund	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
31	Electric	Upgrade Plant #1 House Power Panels	1	30	Electric Fund	\$7,500	\$7,500	\$0	\$0	\$0	\$0	\$0	\$15,000
153	Fire	Personal Alert Safety System (P.A.S.S. Device) Replacement	1	5	General Fund	\$0	\$0	\$12,250	\$0	\$0	\$0	\$0	\$12,250
220	Fire	Replace 5" Supply Line Fire Hose	1	20	General Fund	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000
76	Fire	Structural Fire Fighting Protective Clothing Purchase	1	10	General Fund	\$9,500	\$10,000	\$10,500	\$11,000	\$11,500	\$11,500	\$0	\$64,000
70	Marshall House	Annual Misc. Capital Purchases	1	5	Marshall House Fund	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$60,000
53	Marshall House	Apartment Remodeling - 100 Units	1	15	HUD Replacement Reserve	\$104,244	\$104,244	\$104,244	\$104,244	\$104,244	\$104,244	\$0	\$625,464
326	Motor Pool	Parking Lot Pavement Repairs	1	5	Motor Pool Fund 33%, General Fund 67%	\$6,666	\$0	\$0	\$0	\$0	\$0	\$0	\$6,666
207	Parks	Playground Ground Cover replacement	1	10	General fund	\$0	\$0	\$0	\$0	\$8,000	\$0	\$0	\$8,000
318	Police	Interview Room Video	1	10	General Fund and Grant	\$0	\$7,400	\$0	\$0	\$0	\$0	\$7,400	\$14,800

**City of Marshall  
Capital Improvements Program  
Priority Summary by Source of Funding**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
238	Police	Police Vehicle Change-over	1	10	General Fund	\$6,000	\$6,000	\$6,500	\$6,500	\$6,500	\$5,000	\$3,200	\$39,700
257	Police	Police Vehicle Video Equipment	1	5	General Fund	\$5,500	\$9,200	\$5,600	\$5,600	\$0	\$0	\$2,000	\$27,900
236	Police	Protective Vests	1	5	General Fund or Grant	\$0	\$0	\$5,200	\$0	\$0	\$0	\$0	\$5,200
323	Police, Fire and City Hall	1) Marshall Regional Law Enforcement Center and 2) Fire Dept./City Hall Renovations	1	50	General Fund - GO Bond 30%, Other/Grants 70%	\$4,026,437	\$0	\$0	\$0	\$0	\$0	\$9,100,000	\$13,126,437
282	Streets	Barricade Replacement	1	10	General Fund	\$5,000	\$0	\$0	\$0	\$5,000	\$0	\$0	\$10,000
334	Streets	Parking Lot Pavement Repairs	1	5	General Fund 67%, Motor Pool Fund 33%	\$13,334	\$0	\$0	\$0	\$0	\$0	\$0	\$13,334
323	Streets	Sewer Inspection Software	1	10	General Fund 50%, Wastewater 50%	\$7,500	\$0	\$0	\$0	\$0	\$0	\$0	\$7,500
212	Streets	Street Sign Replacement	1	15	MVH Major 35%, MVH Local 65%	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$0	\$25,000
132	Wastewater	I & I Study (Inflow and Infiltration)	1	15	Wastewater Fund	\$0	\$0	\$0	\$0	\$65,000	\$0	\$0	\$65,000
69	Wastewater	Replace Industrial Park Lift Station	1	25	Wastewater Fund Balance Reserves	\$338,000	\$0	\$0	\$0	\$0	\$0	\$0	\$338,000
333	Wastewater	Sewer Inspection Software	1	10	Wastewater 50%, General Fund 50%	\$7,500	\$0	\$0	\$0	\$0	\$0	\$0	\$7,500
		<b>TOTAL PRIORITY 1</b>				\$5,043,181	\$894,344	\$289,294	\$247,344	\$215,244	\$130,744	\$9,112,600	\$15,932,751
		<b>PRIORITY 2</b>											
202	Airport	AWOS replacement	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$3,000	\$0	\$0	\$0	\$0	\$0	\$57,000	\$60,000
312	Airport	Preliminary Engineering for Runway Extension to Support Environmental Assessment	2	15	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$0	\$5,000	\$0	\$24,375	\$29,375
268	Airport	Runway Extension Environmental Study	2	30	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$0	\$1,250	\$0	\$23,750	\$25,000
270	Airport	Runway Extension justification study	2	30	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$0	\$1,250	\$0	\$23,750	\$25,000
206	Airport	Taxistreet Rehabilitation	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$16,667	\$0	\$0	\$0	\$0	\$316,666	\$333,333
204	Airport	Terminal Building Improvements	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$16,667	\$0	\$0	\$316,666	\$333,333

**City of Marshall  
Capital Improvements Program  
Priority Summary by Source of Funding**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
38	Cemetery	Cemetery Water Distribution System	2	20	Cemetery Trust Fund	\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000
247	Chapel	Exterior Overhang	2	30	General Fund	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$12,000
294	Downtown Development Authority	Market Study	2	5	DDA Fund 25%, General Fund 37.5%, Grant 37.5%	\$0	\$0	\$5,000	\$0	\$0	\$0	\$3,000	\$8,000
335	Downtown Development Authority	Parking Lot Pavement Repairs	2	5	DDA 50%, General Fund 50%	\$0	\$0	\$7,500	\$7,500	\$7,500	\$7,500	\$0	\$30,000
23	Electric	Air Compressor Replacement	2	30	Electric Fund	\$20,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$40,000
226	Electric	Distribution Stringing Blocks	2	50	Electric Fund	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000
49	Electric	Engine #3 & #6 gauge panel replacement	2	20	Electric Fund	\$80,000	\$80,000	\$0	\$0	\$0	\$0	\$0	\$160,000
314	Electric	Environmental Underground Clean-up at PSB Parking Lot	2	50	Electric Fund	\$0	\$0	\$0	\$165,000	\$0	\$0	\$0	\$165,000
222	Electric	NESHAP/ RICE Compliance	2	25	Electric Fund	\$124,000	\$0	\$0	\$0	\$0	\$0	\$0	\$124,000
93	Electric	Overhaul #3 Engine Raw Water Pump	2	10	Electric Fund	\$13,000	\$0	\$0	\$0	\$0	\$0	\$0	\$13,000
57	Electric	Overhaul East Well pump	2	10	Electric Fund	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
74	Electric	Overhaul West Well pump	2	10	Electric Fund	\$0	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
19	Electric	Raceway/Dam Maintenance	2	20	Electric Fund	\$15,000	\$0	\$15,000	\$0	\$0	\$0	\$0	\$30,000
224	Electric	Remote Terminal Unit (RTU) Replacement @ Pearl Street Substation and Plant 2	2	10	Electric Fund	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
288	Electric	Repair Blockhouse Walls	2	50	Electric Fund	\$0	\$6,000	\$0	\$0	\$0	\$0	\$0	\$6,000
289	Electric	Repair Powerhouse Brick (re-tuck joints & seal)	2	50	Electric Fund	\$0	\$0	\$0	\$40,000	\$40,000	\$0	\$0	\$80,000
172	Electric	Replace Protective Relaying - Distribution	2	20	Electric Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
170	Electric	Replace Protective Relaying - Generators	2	20	Electric Fund	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000
171	Electric	Replace Protective Relaying - Transformers	2	20	Electric Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**City of Marshall  
Capital Improvements Program  
Priority Summary by Source of Funding**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
290	Electric	Replace Powerhouse Windows	2	50	Electric Fund	\$0	\$95,333	\$95,334	\$95,334	\$0	\$0	\$0	\$286,001
291	Electric	Tree Removal/Replacement Program	2	50	Electric Fund	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$0	\$25,000
46	Electric	Upgrade Engine Protection Systems #2 & #5	2	20	Electric Fund	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
256	Fire	Thermal Imaging Camera	2	10	General Fund	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
296	Marshall House	250,000 BTU High Efficiency Lochinvar Boilers	2	10	Marshall House Fund	\$0	\$21,160	\$0	\$0	\$0	\$0	\$0	\$21,160
302	Marshall House	Exterior Brick Power Cleaned, Joints Re-tucked and Preserved with Brick Sealant	2	4	Marshall House Fund	\$0	\$0	\$13,000	\$0	\$0	\$0	\$0	\$13,000
303	Marshall House	Renovation of Meeting Room Kitchen	2	20	Marshall House Fund	\$0	\$0	\$0	\$0	\$17,500	\$0	\$0	\$17,500
304	Marshall House	Renovation of Salon	2	20	Marshall House Fund	\$0	\$0	\$0	\$0	\$6,000	\$0	\$0	\$6,000
300	Marshall House	Replace Automatic Entrance Doors	2	20	Marshall House Fund	\$0	\$0	\$9,280	\$0	\$0	\$0	\$0	\$9,280
301	Marshall House	Replace Boiler Pumps	2	10	Marshall House Fund	\$0	\$0	\$4,350	\$0	\$0	\$0	\$0	\$4,350
306	Marshall House	Replace Water Heaters	2	10	Marshall House Fund	\$0	\$0	\$0	\$0	\$5,800	\$0	\$0	\$5,800
305	Marshall House	Replace Water Softeners	2	10	Marshall House Fund	\$0	\$0	\$0	\$0	\$8,600	\$0	\$0	\$8,600
297	Marshall House	Resurface and Seal Parking Lot	2	4	Marshall House Fund	\$15,750	\$0	\$0	\$0	\$0	\$0	\$0	\$15,750
286	Motor Pool	DPW Garage Insulation	2	30	Motor Pool Fund 33%, General Fund 67%	\$0	\$0	\$4,000	\$0	\$0	\$0	\$0	\$4,000
248	Motor Pool	Vehicle Lift with Support Jacks	2	20	Motor Pool & DART	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000
249	Parks	Brooks Nature Park 16 x 20 Shelter	2	20	Special Projects Fund-Brooks Nature Project Fund Balance from 100% DNRE Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000
174	Parks	Ketchum Park Restroom Near Kids Kingdom	2	25	General Fund 50% Local Grants 50%	\$44,000	\$0	\$0	\$0	\$0	\$0	\$44,000	\$88,000
189	Parks	Phase V Riverwalk Design / Construction	2	30	General Fund 25%, Local Grant 75%	\$37,500	\$375,000	\$0	\$0	\$0	\$0	\$1,237,500	\$1,650,000
12	Parks	Purchase New Playground Equipment	2	25	General Fund	\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000

**City of Marshall  
Capital Improvements Program  
Priority Summary by Source of Funding**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
321	Parks	Shearman Park Development	2	25	Local Grants Recreation Passport Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$60,000	\$60,000
322	Parks	Ketchum Park Pavilion Replacement	2	20	General Fund	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000
319	Police	Taser Replacements	2	5	General Fund	\$0	\$6,300	\$6,300	\$0	\$0	\$0	\$0	\$12,600
275	PSB Operations	Ice Room/Shower Room Floor Repair	2	40	Department Cost Allocation - 55% Electric, 28% GF, 9%	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
253	Recreation	Concrete Pads Under Spectator Bleachers	2	20	General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
254	Recreation	Replace Electronic Scoreboards, Diamond #1 & #2	2	15	General Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
77	Recreation	Seal Coating & Striping Athletic Field Parking Lot	2	5	General Fund	\$8,700	\$0	\$0	\$0	\$0	\$0	\$0	\$8,700
67	Streets	Bridge Replacement-Marshall Ave @ Kalamazoo River	2	30	MVH Major 6% - Bond, MDOT Grant 94%	\$0	\$0	\$240,000	\$0	\$0	\$0	\$2,185,000	\$2,425,000
56	Streets	Bridge Replacement-Monroe Street @ Rice Creek	2	30	MVH Major 8% - Bond, MDOT Grant 92%	\$0	\$0	\$120,250	\$0	\$0	\$0	\$1,144,750	\$1,265,000
285	Streets	DPW Garage Insulation	2	30	General Fund 67%, Motor Pool 33%	\$0	\$0	\$8,000	\$0	\$0	\$0	\$0	\$8,000
209	Streets	Local Street Rehabilitation	2	30	General Fund (FY13 - FY15 from Bond Proceeds)	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	\$0	\$1,320,000
211	Streets	MDOT Small Urban Major Street Grant Project 2015	2	30	MVH Major 26% - Bond, MDOT Grant 74%	\$0	\$131,250	\$0	\$0	\$0	\$0	\$375,000	\$506,250
324	Streets	MDOT Small Urban Major Street Grant Project 2017	2	30	MVH Major 26% - Bond, MDOT Grant 74%	\$0	\$0	\$0	\$131,250	\$0	\$0	\$0	\$131,250
200	Streets	New Sidewalk Installation	2	25	General Fund	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$0	\$180,000
287	Streets	Parking Lot Pavement Repairs	2	5	General Fund 50%, DDA 50%	\$0	\$0	\$7,500	\$7,500	\$7,500	\$7,500	\$0	\$30,000
41	Streets	Sidewalk Ramp Installation	2	50	General Fund	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$60,000
325	Streets	Sign Trailer	2	20	General Fund	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
266	Wastewater	Wastewater Plant Brick Restoration	2	25	Wastewater Fund	\$0	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000
263	Water	New Garage at Water Treatment Plant	2	30	Water Fund	\$0	\$40,000	\$0	\$0	\$0	\$0	\$0	\$40,000

**City of Marshall  
Capital Improvements Program  
Priority Summary by Source of Funding**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
331	Water	Paint 500K Water Tower	2	15	Water Fund - Cell Tower Reserves	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000
330	Water	Pave driveway at WTP	2	20	Water Fund	\$25,765	\$0	\$0	\$0	\$0	\$0	\$0	\$25,765
260	Water	Replace Existing 4" Water Main on Jefferson, S. Eagle and Brewer	2	30	Water Fund - Bond	\$0	\$0	\$0	\$329,000	\$0	\$0	\$0	\$329,000
258	Water	Replace Water Main on S. Marshall	2	30	Water Fund - Bond	\$0	\$0	\$0	\$585,000	\$0	\$0	\$0	\$585,000
311	Water	Water Meter Replacement Project	2	20	Water Fund - Bond or Installment Purchase Contract	\$0	\$0	\$0	\$0	\$267,138	\$0	\$0	\$267,138
		<b>TOTAL PRIORITY 2</b>				\$948,715	\$1,097,710	\$1,000,514	\$1,642,251	\$632,538	\$275,000	\$5,821,457	\$11,418,185
		<b>Priority 3</b>											
40	Cemetery	Cemetery Road Paving Project	3	20	Cemetery Trust Fund	\$10,000	\$10,000	\$10,000	\$0	\$0	\$0	\$0	\$30,000
320	Cemetery	New Section-Expansion	3	20	Cemetery Trust Fund	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
271	City Hall	Exterior Restoration	3	30	80% Byways Grant (with tourism connection)	\$0	\$0	\$0	\$9,500	\$9,500	\$0	\$76,000	\$95,000
228	Electric	Circuit Upgrade	3	50	Electric Fund - Bond	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
309	Electric	Electric Meter Replacement Project	3	20	Electric Fund - Bond or Installment Purchase Contract (Electric 50%,	\$0	\$0	\$0	\$534,275	\$0	\$0	\$0	\$534,275
165	Electric	Pearl Street Substation Upgrade	3	25	Electric Fund - Bond	\$0	\$0	\$0	\$2,000,000	\$3,000,000	\$0	\$0	\$5,000,000
14	Electric	Recondition #1 Hydro	3	30	Electric Fund	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
47	Electric	Recondition #3 Hydro	3	30	Electric Fund	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000
227	Electric	Infrared Camera and Training	3	10	Electric Fund	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
232	Electric	Relocation of Overhead Electric in South Alley between Jefferson Street and Hamilton Street and	3	35	Electric Fund - Bond	\$0	\$0	\$400,000	\$0	\$0	\$0	\$0	\$400,000
64	Electric	Rewind Generator #2	3	30	Electric Fund - Bond	\$0	\$132,000	\$0	\$0	\$0	\$0	\$0	\$132,000
72	Electric	Rewind Generator #5	3	30	Electric Fund - Bond	\$0	\$0	\$145,000	\$0	\$0	\$0	\$0	\$145,000

**City of Marshall  
Capital Improvements Program  
Priority Summary by Source of Funding**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
233	Electric	Sherman Drive/Wright Lane Upgrade	3	30	Electric Fund - Bond	\$0	\$0	\$0	\$3,000,000	\$0	\$0	\$0	\$3,000,000
327	Electric	Street Lighting	3	20	Electric Fund	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$0	\$50,000
235	Electric	Stuart Lake Circuit Underground Upgrade	3	30	Electric Fund - Bond	\$0	\$0	\$800,000	\$0	\$0	\$0	\$0	\$800,000
193	Parks	Phase I Riverfront Park Development	3	100	General Fund 50% and DNR Grant 50%	\$0	\$0	\$0	\$37,500	\$0	\$0	\$37,500	\$75,000
191	Parks	South Ketchum Parking Lot Expansion	3	15	General Fund	\$0	\$0	\$52,000	\$0	\$0	\$0	\$0	\$52,000
255	Recreation	Dug-Outs, Diamond #3 & #4	3	25	General Fund	\$0	\$12,544	\$12,544	\$0	\$0	\$0	\$0	\$25,088
178	Streets	Storage Rack for Salt Spreaders and Dump Box Covers	3	30	General Fund	\$8,000	\$0	\$0	\$0	\$0	\$0	\$0	\$8,000
332	Wastewater	Door and Window Replacement	3	25	Wastewater Fund	\$0	\$0	\$0	\$0	\$15,000	\$0	\$0	\$15,000
310	Wastewater	Wastewater Meter Replacement Project	3	20	Wastewater Fund - Bond or Installment Purchase Contract	\$0	\$0	\$0	\$267,138	\$0	\$0	\$0	\$267,138
59	Water	Install New Water Service on Washington & Elm	3	30	Water Fund	\$0	\$45,000	\$0	\$0	\$0	\$0	\$0	\$45,000
17	Water	Replace Chlorine Gas with Sodium Hypochlorite	3	20	Water Fund	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000
217	Water	Build New Treatment Plant at Well #5 Site. S. Kalamazoo behind Moonraker	3	50	Water Fund - Bond	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
		<b>TOTAL PRIORITY 3</b>				\$38,000	\$284,544	\$2,679,544	\$5,858,413	\$4,034,500	\$0	\$113,500	\$13,008,501
	<b>Priority 4</b>												
252	Dart	Bus Replacement	4	7	100% Federal Grant	\$0	\$0	\$85,000	\$88,000	\$91,000	\$94,000	\$0	\$358,000
295	Downtown Development Authority	Downtown Place-Finding Signage	4	20	Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$75,000
293	Downtown Development Authority	Farmers Market Pavilion	4	25	General Fund 10%, Grant 90%	\$0	\$0	\$0	\$0	\$35,000	\$0	\$315,000	\$350,000
90	Electric	Retrofit Breakers in Plant #1 Switchgear	4	30	Electric Fund	\$0	\$50,000	\$50,000	\$50,000	\$0	\$0	\$0	\$150,000
21	Electric	Upgrade Transformer in South Substation	4	30	Electric Fund - Bond	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000

**City of Marshall  
Capital Improvements Program  
Priority Summary by Source of Funding**

Record #	Department (sort with filter)	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	2018-2019 Expenditure	Trade In or Grant Share	Total Expenditure
187	Parks	Riverwalk Connection to Ketchum Park	4	30	General Fund 25%, DNR Grant 75%	\$0	\$75,000	\$0	\$0	\$0	\$0	\$225,000	\$300,000
276	PSB Operations	Exterior Maintenance	4	10	Department Cost Allocation - 55% Electric, 28% GF, 9%	\$0	\$6,500	\$0	\$0	\$0	\$0	\$0	\$6,500
181	PSB Operations	PSB Parking Lot Crack Filling and Sealing	4	6	Department Cost Allocation - 55% Electric, 28% GF, 9%	\$0	\$0	\$0	\$0	\$15,000	\$0	\$0	\$15,000
122	Recreation	Dug Outs	4	10	General Fund	\$0	\$0	\$0	\$25,088	\$0	\$0	\$0	\$25,088
315	Recreation	Picnic Pavilion	4	25	General Fund	\$0	\$0	\$0	\$0	\$8,700	\$0	\$0	\$8,700
58	Recreation	Replacement of Athletic Field Light System	4	15	General Fund Transfer to Electric Fund - Bond	\$0	\$0	\$0	\$0	\$0	\$300,000	\$0	\$300,000
267	Wastewater	Septage Receiving Station	4	20	Wastewater Fund - Bond	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
		<b>TOTAL PRIORITY 4</b>				\$0	\$131,500	\$335,000	\$163,088	\$1,149,700	\$394,000	\$615,000	\$2,788,288
		<b>TOTAL</b>				\$6,029,896	\$2,408,098	\$4,304,352	\$7,911,096	\$6,031,982	\$799,744	\$15,662,557	\$43,147,725

**City of Marshall, Michigan  
 FY2014 - FY2019 Capital Improvement Program  
 Proposed Financing Plan for All Priorities by Revenue Source**

	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>Grants/Trade In/Other</b>	<b>Total</b>
General Fund Revenue	\$290,034	\$564,111	\$166,394	\$159,355	\$139,200	\$364,000	\$2,709,807	\$4,392,901
General Fund Transfer to MVH Local Roads	220,000	220,000	220,000	220,000	220,000	220,000	-	1,320,000
General Fund GO Bond	\$4,026,437	\$0	\$0	\$0	\$0	\$0	\$9,100,000	\$13,126,437
Public Svcs. Building - Dept. Allocations	\$15,000	\$6,500	\$0	\$0	\$15,000	\$0	\$0	\$36,500
Special Projects	\$0	\$0	\$0	\$0	\$0	\$0	\$70,000	\$70,000
MVH Major & Local Roads	5,000	5,000	5,000	5,000	5,000	-	-	25,000
MVH Major - Bond	\$0	\$131,250	\$360,250	\$131,250	\$0	\$0	\$3,704,750	\$4,327,500
Cemetery Trust Revenue	\$55,000	\$10,000	\$85,000	\$0	\$0	\$0	\$0	\$150,000
Downtown Development Auth. Revenue	\$0	\$0	\$12,500	\$7,500	\$7,500	\$7,500	\$78,000	\$113,000
Marshall House Revenue	\$25,750	\$31,160	\$36,630	\$10,000	\$47,900	\$10,000	\$0	\$161,440
Marshall House - HUD Replacement Reserve	\$104,244	\$104,244	\$104,244	\$104,244	\$104,244	\$104,244	\$0	\$625,464
Electric Revenue	\$770,500	\$548,833	\$380,334	\$470,334	\$55,000	\$0	\$0	\$2,225,001
Electric Bond	\$100,000	\$682,000	\$2,545,000	\$5,534,275	\$3,000,000	\$0	\$0	\$11,861,275
Wastewater Revenue	\$7,500	\$20,000	\$0	\$0	\$80,000	\$0	\$0	\$107,500
Wastewater Bond	\$0	\$0	\$0	\$267,138	\$1,000,000	\$0	\$0	\$1,267,138
Wastewater Fund Balance Reserves	\$338,000	\$0	\$0	\$0	\$0	\$0	\$0	\$338,000
Water Revenue	\$25,765	\$85,000	\$100,000	\$0	\$0	\$0	\$0	\$210,765
Water Bond	\$0	\$0	\$0	\$914,000	\$1,267,138	\$0	\$0	\$2,181,138
Water Fund Balance Reserves-Water Tower	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000
DART - Buses 100% Federal Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$358,000	\$358,000
Motor Pool	\$46,666	\$0	\$4,000	\$0	\$0	\$0	\$0	\$50,666
	<b>\$ 6,029,896</b>	<b>\$ 2,408,098</b>	<b>\$ 4,219,352</b>	<b>\$ 7,823,096</b>	<b>\$ 5,940,982</b>	<b>\$ 705,744</b>	<b>\$ 16,020,557</b>	<b>\$ 43,147,725</b>

Note: Includes all priorities

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

Fiscal Year Ending June 30	Building Authority	General Fund	MVH-Major	DDA*	LDFA	Electric	Wastewater	Water	Motor Pool Installment Purchase	Installment Purchase	Total
2014	265,313	18,765	143,220	83,058	130,030	153,588	331,098	636,015	123,674	29,905	1,914,664
2015	263,468	18,165		80,918	126,715	153,780	325,306	631,194	123,674		1,723,219
2016	266,438	17,550		83,738	123,400	153,645	335,804	624,541	123,674		1,728,789
2017	352,938	16,935		86,278	125,085	158,215	247,173	560,022	123,674		1,670,319
2018	365,400	16,320		88,528	121,575	157,325	244,538	550,907			1,544,593
2019	376,800	15,660		90,478	117,795	156,135	238,486	534,519			1,529,873
2020	468,000			92,028	114,015	154,815	228,807	320,693			1,378,358
2021				93,295	115,235	60,630	214,540	244,360			728,060
2022				94,275	111,245	58,718	215,040	247,640			726,918
2023					107,255	61,805	210,390	270,465			649,915
2024					103,170	59,680	210,740	267,125			640,715
2025					99,085	62,480	210,940	218,485			590,990
2026						60,060	210,990	221,705			492,755
2027						62,640	210,890	224,520			498,050
2028							210,640	221,930			432,570
2029							210,240	224,085			434,325
2030							214,505	115,730			330,235
2031							213,265	117,370			330,635
2032							211,765	118,795			330,560
	<u>\$ 2,358,355</u>	<u>\$ 103,395</u>	<u>\$ 143,220</u>	<u>\$ 792,593</u>	<u>\$ 1,394,605</u>	<u>\$ 1,513,515</u>	<u>\$ 4,495,157</u>	<u>\$ 6,350,101</u>	<u>\$ 494,696</u>	<u>\$ 29,905</u>	<u>\$ 17,675,541</u>

Percent Amortized Within Ten Years	Building Authority	General Fund	MVH-Major	DDA*	LDFA	Electric	Wastewater	Water	Motor Pool Installment Purchase	Installment Purchase	Total	
	100.00%	100.00%	100.00%	100.00%	85.50%	83.82%	57.64%	72.76%	100.00%	100.00%	76.91%	>=50%

\*Does not include parking structure lease payments

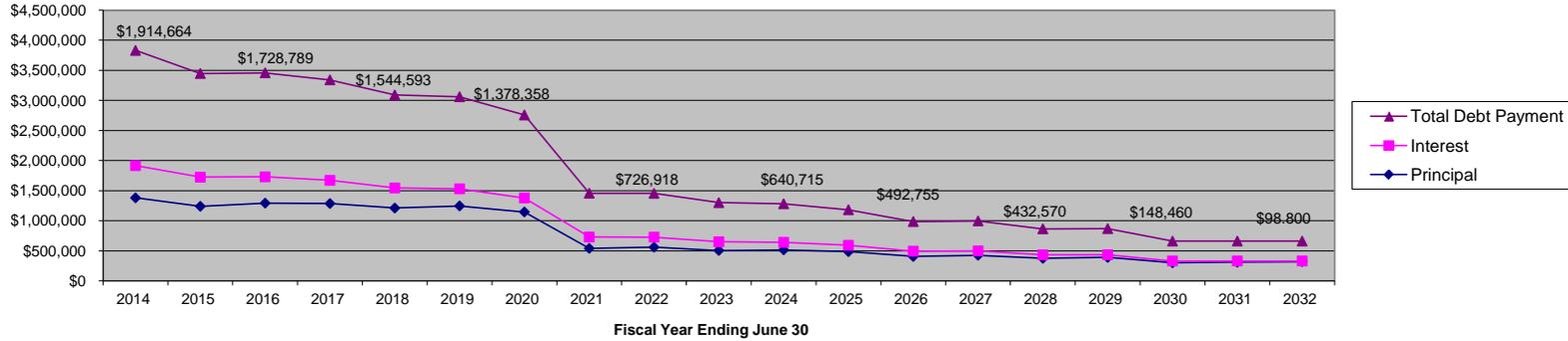
**Legal Debt Margin:**

Pursuant to the statutory and constitutional debt provisions, the following table reflects the amount of additional debt the City may legally incur as of July 31, 2012.

Debt Limit (1)		\$ 24,554,808
Debt Outstanding	\$ 16,050,178	
Less: Exempt Debt	<u>\$ 2,330,178</u>	<u>\$ 13,720,000</u>
Legal Debt Margin		\$ 10,834,808

(1) 10% of \$245,548,081, which is the City's Total SEV as of July 31, 2012. Includes the SEV of property granted tax abatement under Act 198.

## CITY OF MARSHALL ANNUAL DEBT PAYMENTS - ALL FUNDS



## CITY OF MARSHALL OUTSTANDING DEBT - ALL FUNDS

