

City of Marshall, Michigan
Capital Improvements Program
July 1, 2012 Through June 30, 2018

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, Clerk-Treasurer

James Schwartz, Police Chief

Robert Kiessling, Fire Chief

Carl Fedders, Director of Public Services

Natalie Huestis, Director of Community Services

Capital Improvements Program

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July 1, 2012 through June 30, 2018
City of Marshall
Update to Capital Improvements Program
Schedule

<u>Date</u>	<u>Activity</u>
August 22, 2011	Meet with Directors and Department Heads to discuss CIP update process. Distribute materials for actual CIP update.
August 23, 2011 – September 30, 2011	Department Heads work on updates to CIP; submit to Finance Department on or before September 30.
October 1, 2011 – October 12, 2011	Preliminary CIP document assembled by Finance Department based on detail submitted by Department heads.
October 12, 2011 – October 14, 2011	Preliminary CIP document reviewed by City Manager and Finance Director.
October 18, 2011	Draft CIP reviewed by City Manager and Directors (at Director's meeting).
October 31 – November 4, 2011	Draft CIP distributed to Planning Commission.
November 9, 2011	Planning Commission sets public hearing
November 28 - December 2, 2011	Draft (revised if necessary) CIP document distributed to Planning Commission.
December 14, 2011	Planning Commission holds public hearing on CIP and submits formal recommendation to City Council.
January 3, 2012	Council receives CIP and recommendations by Planning Commission and schedules public hearing for January 17, 2012.
January 17, 2012	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 (3rd) year of the six (6) year projection.

Prior projects already identified in the CIP should be thoroughly reviewed. The document containing the prior projects in the CIP is located in F:/USERS/SHARED/2012-2018 CIP/Prior Year CIP. 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 completing the CIP New Project Request Form attached. The form is available in electronic format. Simply go to F:/USERS/SHARED/2012-2018 CIP/CIP New Project Request Form.

Ongoing Maintenance Costs

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

MEMORANDUM

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

FROM: Natalie Huestis, Director of Community Services

SUBJECT: Planning Commission Recommendation on 2012-2018 Capital Improvements Program

At their regular meeting on November 9, 2011, Commissioner's received the draft Planning Commission portion of the 2012-2018 Capital Improvements Program. At that time, Commissioners had a brief discussion on a few of the Planning Commission CIP items. A public hearing was then set and noticed appropriately for December 14, 2011.

The Marshall City Planning Commission held a public hearing at its December 14, 2011 regular meeting. 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. There was no public present and no public comments were heard on the CIP. The Planning Commission accepted and recommended Council approval of the CIP.

MOTION by Burke Smith; supported by Oates.
On a voice vote; **MOTION CARRIED.**

City of Marshall – Planning Commission

Capital Improvements Program

Expenditures by Department/Fund

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
Downtown Development Authority													
293	Downtown Development Authority	Farmers Market Pavilion	4	25	General Fund 10%, Grant 90%	\$0	\$0	\$0	\$0	\$0	\$35,000	\$315,000	\$350,000
		Total DDA				\$0	\$0	\$0	\$0	\$0	\$35,000	\$315,000	\$350,000
Airport													
269	Airport	Land Acquisition for Runway Extension	2	30	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$6,250	\$0	\$0	\$0	\$0	\$243,750	\$250,000
		Total Airport				\$0	\$6,250	\$0	\$0	\$0	\$0	\$243,750	\$250,000
Fire and City Hall													
199	Fire	Fire Station and City Hall Renovations	1	50	General Fund - Voter Approved GO Bond	\$2,700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,700,000
		Total Fire and City Hall				\$2,700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,700,000
Parks													
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
174	Parks	Ketchum Park Restroom Near Kids Kingdom	3	25	General Fund	\$0	\$0	\$0	\$88,000	\$0	\$0	\$0	\$88,000
191	Parks	South Ketchum Parking Lot Expansion	3	15	General Fund	\$0	\$0	\$0	\$52,000	\$0	\$0	\$0	\$52,000
193	Parks	Phase I Riverfront Park Development	3	100	General Fund 50% and DNR Grant 50%	\$0	\$0	\$0	\$0	\$37,500	\$0	\$37,500	\$75,000
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
175	Parks	Ketchum Park Parking & Access	4	20	General Fund and DNR Grants	\$0	\$0	\$0	\$40,000	\$0	\$0	\$0	\$40,000
		Total Parks				\$37,500	\$450,000	\$0	\$180,000	\$37,500	\$0	\$1,500,000	\$2,205,000
Streets													
281	Streets	Rice Creek Culvert Enlargement	1	30	MVH Local - GO Bond	\$180,000	\$0	\$0	\$0	\$0	\$0	\$0	\$180,000

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
200	Streets	New Sidewalk Installation	2	25	General Fund	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$0	\$180,000
		Total Streets				\$210,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$0	\$360,000
		TOTAL GENERAL FUND				\$2,767,500	\$486,250	\$30,000	\$210,000	\$67,500	\$65,000	\$2,058,750	\$5,685,000
		TOTAL MVH LOCAL FUND				\$180,000	\$0	\$0	\$0	\$0	\$0	\$0	\$180,000
	Wastewater												
267	Wastewater	Septage Receiving Station	4	20	Wastewater Fund - Bond	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000
		TOTAL WASTEWATER FUND				\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000

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	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
	Priority 1												
199	Fire	Fire Station and City Hall Renovations	1	50	General Fund - Voter Approved GO Bond	\$2,700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,700,000
		Total Fire and City Hall				\$2,700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,700,000
281	Streets	Rice Creek Culvert Enlargement	1	30	MVH Local - GO Bond	\$180,000	\$0	\$0	\$0	\$0	\$0	\$0	\$180,000
		Total Streets				\$180,000	\$0	\$0	\$0	\$0	\$0	\$0	\$180,000
		TOTAL PRIORITY 1				\$2,880,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,880,000
	Priority 2												
269	Airport	Land Acquisition for Runway Extension	2	30	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$6,250	\$0	\$0	\$0	\$0	\$243,750	\$250,000
		Total Airport				\$0	\$6,250	\$0	\$0	\$0	\$0	\$243,750	\$250,000
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
		Total Parks				\$37,500	\$375,000	\$0	\$0	\$0	\$0	\$1,237,500	\$1,650,000
200	Streets	New Sidewalk Installation	2	25	General Fund	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$0	\$180,000
		Total Streets				\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$0	\$180,000
		TOTAL PRIORITY 2				\$67,500	\$411,250	\$30,000	\$30,000	\$30,000	\$30,000	\$1,481,250	\$2,080,000
	Priority 3												
174	Parks	Ketchum Park Restroom Near Kids Kingdom	3	25	General Fund	\$0	\$0	\$0	\$88,000	\$0	\$0	\$0	\$88,000
191	Parks	South Ketchum Parking Lot Expansion	3	15	General Fund	\$0	\$0	\$0	\$52,000	\$0	\$0	\$0	\$52,000
193	Parks	Phase I Riverfront Park Development	3	100	General Fund 50% and DNR Grant 50%	\$0	\$0	\$0	\$0	\$37,500	\$0	\$37,500	\$75,000
		Total Parks				\$0	\$0	\$0	\$140,000	\$37,500	\$0	\$37,500	\$215,000

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
		TOTAL PRIORITY 3				\$0	\$0	\$0	\$140,000	\$37,500	\$0	\$37,500	\$215,000
	Priority 4												
293	Downtown Development Authority	Farmers Market Pavilion	4	25	General Fund 10%, Grant 90%	\$0	\$0	\$0	\$0	\$0	\$35,000	\$315,000	\$350,000
		Total DDA				\$0	\$0	\$0	\$0	\$0	\$35,000	\$315,000	\$350,000
175	Parks	Ketchum Park Parking & Access	4	20	General Fund and DNR Grants	\$0	\$0	\$0	\$40,000	\$0	\$0	\$0	\$40,000
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
		Total Parks				\$0	\$75,000	\$0	\$40,000	\$0	\$0	\$225,000	\$340,000
267	Wastewater	Septage Receiving Station	4	20	Wastewater Fund - Bond	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000
		Total Wastewater				\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000
		TOTAL PRIORITY 4				\$0	\$75,000	\$0	\$40,000	\$0	\$1,035,000	\$540,000	\$1,690,000

City of Marshall – Planning Commission

Capital Improvements Program

Project Description

City of Marshall

Capital Improvements Program Project Description

Record #	Department	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
174	Parks	Ketchum Park Restroom Near Kids Kingdom	3	Install a restroom facility for Kids Kingdom Playground.	Increased maintenance and utility costs for restroom.
175	Parks	Ketchum Park Parking & Access	4	Construct 20 car parking area on Water Department property on the South side of Green Street. Construct bridge and boardwalk (400') across Rice Creek wetlands to provide improved access to the East end of Ketchum Park.	\$500 increase in maintenance costs per year for striping, plowing, keeping bridge & boardwalk treated.
187	Parks	Riverwalk Connection to Ketchum Park	4	Riverwalk connection to Ketchum Park, County Park and the Fair Grounds.	Increased maintenance costs-no figures available.
189	Parks	Phase V Riverwalk Design / Construction	2	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.
199	Fire	Fire Station and City Hall Renovations	1	Current facility space limitations impact response times and staff safety issues. Demolition of fire apparatus building and construction of new apparatus bay, quarters and offices for fire, renovation of city hall and construction of new public restrooms accessible from the outside of the building.	Improved safety and response times, decreased maintenance costs from improved energy efficiencies, and potential revenue increase from office rentals.
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 and Mulberry where missing.	Increased cost in the form of sidewalk repairs.
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.
269	Airport	Land Acquisition for Runway Extension	2	Property will be necessary for the extension of the runway for safety areas and approach clearance.	Runway extension will allow larger jets to land.

City of Marshall

Capital Improvements Program Project Description

Record #	Department	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
281	Streets	Rice Creek Culvert Enlargement	1	Phase two of the Rice Creek Dam removal project included continual adjustment of the rock weir at the diversion site which will allow more water to flow down the original channel. This additional flow, along with the flow from the drainage improvements on Allen Road, warrant the improvement of the 12' culvert on Rice Creek to a 24' culvert which allows access to Ketchum Park.	Reduction in maintenance cost.
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 – Council

Capital Improvements Program

Expenditures by Department/Fund

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
	Dart												
252	Dart	Bus Replacement	4	7	100% Fed/State Grant	\$0	\$0	\$0	\$85,000	\$88,000	\$91,000	\$0	\$264,000
		TOTAL DART FUND				\$0	\$0	\$0	\$85,000	\$88,000	\$91,000	\$0	\$264,000
	Downtown Development Authority												
250	Downtown Development Authority	Michigan Avenue Tree Replacement Project - Downtown	1	30	DDA Fund-1/3/Grant Funds/Private Donations	\$25,000	\$0	\$0	\$0	\$0	\$0	\$109,000	\$134,000
294	Downtown Development Authority	Market Study	1	5	DDA Fund 25%, General Fund 37.5%, Grant 37.5%	\$0	\$0	\$0	\$5,000	\$0	\$0	\$3,000	\$8,000
143	Downtown Development Authority	Parking Lot Pavement Repairs	2	5	DDA Fund 50%, General Fund 50%	\$23,225	\$0	\$0	\$0	\$0	\$0	\$0	\$23,225
295	Downtown Development Authority	Downtown Place-Finding Signage	4	20	Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$75,000
		TOTAL DDA FUND				\$48,225	\$0	\$0	\$5,000	\$0	\$0	\$187,000	\$240,225
	Electric												
25	Electric	Meter / Relay Calibration	1	3	Electric Fund	\$0	\$25,000	\$0	\$0	\$25,000	\$0	\$0	\$50,000
28	Electric	Power House Roof Repairs	1	25	Electric Fund	\$55,000	\$0	\$0	\$0	\$0	\$0	\$0	\$55,000
147	Electric	Breaker Maintenance	1	5	Electric Fund	\$0	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000
225	Electric	Station Battery Replacement	1	20	Electric Fund	\$17,500	\$0	\$0	\$0	\$0	\$0	\$0	\$17,500
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	\$55,000	\$0	\$0	\$0	\$0	\$165,000
229	Electric	Pole Replacement and Line Reconstruction	1	50	Electric Fund - Bond	\$75,000	\$75,000	\$80,000	\$80,000	\$80,000	\$0	\$0	\$390,000
223	Electric	Embankment Project	1	50	Electric Fund - Bond	\$805,000	\$0	\$0	\$0	\$0	\$0	\$0	\$805,000
19	Electric	Raceway/Dam Maintenance	2	20	Electric Fund	\$0	\$15,000	\$0	\$15,000	\$0	\$0	\$0	\$30,000

City of Marshall
Capital Improvements Program
Expenditures by Department/Fund

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
23	Electric	Air Compressor Replacement	2	30	Electric Fund	\$20,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$40,000
31	Electric	Upgrade Plant #1 House Power Panels	2	30	Electric Fund	\$7,500	\$7,500	\$0	\$0	\$0	\$0	\$0	\$15,000
46	Electric	Upgrade Engine Protection Systems #2 & #5	2	20	Electric Fund	\$0	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
49	Electric	Engine #3 & #6 gauge panel replacement	2	20	Electric Fund	\$0	\$80,000	\$80,000	\$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	\$0	\$40,000	\$0	\$0	\$0	\$0	\$0	\$40,000
171	Electric	Replace Protective Relaying - Transformers	2	20	Electric Fund	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000
172	Electric	Replace Protective Relaying - Distribution	2	20	Electric Fund	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
224	Electric	Remote Terminal Unit (RTU) Replacement @ Pearl Street Substation and Plant 2	2	10	Electric Fund	\$60,000	\$25,000	\$0	\$0	\$0	\$0	\$0	\$85,000
226	Electric	Distribution Stringing Blocks	2	50	Electric Fund	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000
227	Electric	Infrared Camera and Training	2	10	Electric Fund	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
288	Electric	Repair Blockhouse Walls	2	50	Electric Fund	\$0	\$0	\$6,000	\$0	\$0	\$0	\$0	\$6,000
289	Electric	Repair Brick (re-tuck joints & seal)	2	50	Electric Fund	\$0	\$0	\$0	\$0	\$40,000	\$40,000	\$0	\$80,000
290	Electric	Replace Windows	2	50	Electric Fund	\$0	\$95,333	\$95,333	\$95,334	\$0	\$0	\$0	\$286,000
291	Electric	Tree Removal/Replacement Program	2	50	Electric Fund	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$30,000
292	Electric	Web based GIS and Outage Management System	2	20	Electric Fund	\$47,500	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$0	\$77,500
222	Electric	NESHAP/ RICE Compliance	2	25	Electric Fund - Bond	\$251,000	\$124,000	\$0	\$0	\$0	\$0	\$0	\$375,000

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
314	Electric	Environmental Underground Clean-up at PSB Parking Lot	2	50	Electric Fund	\$165,000	\$0	\$0	\$0	\$0	\$0	\$0	\$165,000
14	Electric	Recondition #1 Hydro	3	30	Electric Fund	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000
47	Electric	Recondition #3 Hydro	3	30	Electric Fund	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
64	Electric	Rewind Generator #2	3	30	Electric Fund - Bond	\$0	\$0	\$132,000	\$0	\$0	\$0	\$0	\$132,000
72	Electric	Rewind Generator #5	3	30	Electric Fund - Bond	\$0	\$0	\$0	\$145,000	\$0	\$0	\$0	\$145,000
165	Electric	Pearl Street Substation Upgrade	3	25	Electric Fund - Bond	\$0	\$2,000,000	\$3,000,000	\$0	\$0	\$0	\$0	\$5,000,000
228	Electric	Circuit Upgrade	3	50	Electric Fund - Bond	\$1,000,000	\$0	\$0	\$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	\$0	\$400,000	\$0	\$0	\$0	\$400,000
233	Electric	Sherman Drive/Wright Lane Upgrade	3	30	Electric Fund - Bond	\$0	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$3,000,000
235	Electric	Stuart Lake Circuit Underground Upgrade	3	30	Electric Fund - Bond	\$800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$800,000
309	Electric	Automated Meter Information Project	3	20	Electric Fund - Bond or Installment Purchase Contract (Electric 50%, Wastewater 25%, Water 25%)	\$534,275	\$0	\$0	\$0	\$0	\$0	\$0	\$534,275
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	\$0	\$200,000	\$0	\$0	\$0	\$200,000
		TOTAL ELECTRIC FUND				\$4,061,775	\$5,802,833	\$3,634,333	\$996,334	\$156,000	\$51,000	\$0	\$14,702,275
	General Fund/Departments:												
	Airport												
202	Airport	AWOS replacement	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$1,500	\$0	\$0	\$0	\$0	\$58,500	\$60,000
204	Airport	Terminal Building Improvements	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$3,750	\$0	\$0	\$153,750	\$157,500
206	Airport	Taxistreet Rehabilitation	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$7,000	\$0	\$0	\$0	\$273,000	\$280,000

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
268	Airport	Runway Extension Environmental Study	2	30	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$0	\$2,500	\$0	\$97,500	\$100,000
270	Airport	Runway Extension justification study	2	30	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$0	\$625	\$0	\$24,375	\$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	\$625	\$0	\$24,375	\$25,000
313	Airport	Airport Layout Plan Update	2	15	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$3,948	\$0	\$0	\$0	\$0	\$0	\$153,947	\$157,895
		Total Airport				\$3,948	\$1,500	\$7,000	\$3,750	\$3,750	\$0	\$785,447	\$805,395
	Cemetery												
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	\$10,000	\$0	\$0	\$0	\$40,000
		Total Cemetery				\$55,000	\$10,000	\$10,000	\$10,000	\$0	\$0	\$0	\$85,000
	Chapel												
274	Chapel	Roof	1	30	General Fund	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
247	Chapel	Exterior Overhang	2	30	General Fund	\$0	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$12,000
		Total Chapel				\$25,000	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$37,000
	City Hall												
2	City Hall	Windows	1	30	General Fund	\$12,000	\$0	\$0	\$0	\$0	\$0	\$0	\$12,000
272	City Hall	Replacement of Air Conditioning Unit	2	20	General Fund	\$13,500	\$0	\$0	\$0	\$0	\$0	\$0	\$13,500
271	City Hall	Exterior Restoration	3	30	80% Byways Grant (with tourism connection), 20% Building Authority Bond (Fire/City Hall Renovation Bond)	\$0	\$0	\$0	\$0	\$9,500	\$9,500	\$76,000	\$95,000
273	City Hall	Interior Restoration, Painting & Flooring	4	15	Building Authority Bond (Fire/City Hall Renovation Bond)	\$0	\$0	\$35,000	\$35,000	\$0	\$0	\$0	\$70,000
		Total City Hall				\$25,500	\$0	\$35,000	\$35,000	\$9,500	\$9,500	\$76,000	\$190,500

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
	Clerk-Treasurer												
278	Clerk-Treasurer	Financial Software for General Ledger, Payroll, Accounts Payable, Accounts Receivable, Bank	1	10	Data Processing Fund	\$37,000	\$13,000	\$13,000	\$13,000	\$0	\$0	\$0	\$76,000
		Total Clerk-Treasurer				\$37,000	\$13,000	\$13,000	\$13,000	\$0	\$0	\$0	\$76,000
	Fire												
153	Fire	Personal Alert Safety System (P.A.S.S. Device) Replacement	1	5	General Fund	\$0	\$0	\$0	\$12,250	\$0	\$0	\$0	\$12,250
220	Fire	Replace 5" Supply Line Fire Hose	1	20	General Fund	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$12,000
76	Fire	Structural Fire Fighting Protective Clothing Purchase	1	10	General Fund or FEMA Grant with a 5% match	\$9,000	\$9,500	\$10,000	\$10,500	\$11,000	\$11,500	\$0	\$61,500
256	Fire	Thermal Imaging Camera	2	10	General Fund	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
		Total Fire				\$25,000	\$15,500	\$10,000	\$22,750	\$11,000	\$11,500	\$0	\$95,750
	Parks												
207	Parks	Playground Ground Cover replacement	1	10	General fund	\$0	\$0	\$0	\$0	\$0	\$8,000	\$0	\$8,000
12	Parks	Purchase New Playground Equipment	2	25	General Fund	\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000
55	Parks	Paving North Ketchum Park Parking Lot	2	20	General Fund 25%, Passport Grant 75%	\$6,250	\$0	\$0	\$0	\$0	\$0	\$18,750	\$25,000
183	Parks	North Ketchum Park Time Locks With New Doors	2	30	General Fund 25%, Passport Grant 75%	\$3,750	\$0	\$0	\$0	\$0	\$0	\$11,250	\$15,000
124	Parks	Brooks Nature Park Observation Deck	2	20	Special Projects Fund-Brooks Nature Project Fund Balance from 100% DNRE Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$41,000	\$41,000
180	Parks	Master Plan for Brooks Nature Park	2	10	Special Projects Fund-Brooks Nature Project Fund Balance from 100% DNRE Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000	\$7,000
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
277	Parks	S. Ketchum Park Leveling	3	10	General fund	\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000
192	Parks	Sherman Court Pond Nature Trail	4	20	General Fund	\$0	\$5,000	\$5,000	\$5,000	\$0	\$0	\$0	\$15,000

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
		Total Parks				\$100,000	\$5,000	\$5,000	\$5,000	\$0	\$8,000	\$88,000	\$211,000
	Police												
238	Police	Police Vehicle Change-over	1	10	General Fund	\$12,000	\$6,000	\$6,000	\$5,000	\$5,000	\$0	\$3,200	\$37,200
257	Police	Police Vehicle Video Equipment	1	5	General Fund	\$10,000	\$9,200	\$9,200	\$0	\$0	\$0	\$2,000	\$30,400
236	Police	Protective Vests	1	5	General Fund or Grant	\$0	\$0	\$4,000	\$5,000	\$0	\$0	\$0	\$9,000
239	Police	Police Protective Shelter / Equipment Storage	4	20	General Fund	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$5,000
237	Police	Forensic Equipment	4	15	General Fund or Grant	\$0	\$9,500	\$0	\$0	\$0	\$0	\$0	\$9,500
		Total Police				\$22,000	\$24,700	\$24,200	\$10,000	\$5,000	\$0	\$5,200	\$91,100
	Recreation												
77	Recreation	Seal Coating & Striping Athletic Field Parking Lot	2	5	General Fund	\$0	\$7,500	\$0	\$0	\$0	\$0	\$0	\$7,500
253	Recreation	Concrete Pads Under Spectator Bleachers	2	20	General Fund	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
254	Recreation	Replace Electronic Scoreboards, Diamond #1 & #2	2	15	General Fund	\$0	\$11,000	\$0	\$0	\$0	\$0	\$0	\$11,000
82	Recreation	Athletic Field Sign	3	20	General Fund	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$5,000
255	Recreation	Dug-Outs, Diamond #3 & #4	3	25	General Fund	\$0	\$0	\$0	\$12,544	\$12,544	\$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
122	Recreation	Dug Outs	4	10	General Fund	\$0	\$0	\$0	\$0	\$0	\$25,088	\$0	\$25,088
		Total Recreation				\$5,000	\$18,500	\$5,000	\$12,544	\$12,544	\$325,088	\$0	\$378,676
	Streets												
283	Streets	DPW Roof and Wall Improvements	1	30	General Fund 67%, Motor Pool 33%	\$21,333	\$0	\$0	\$0	\$0	\$0	\$0	\$21,333

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

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198	Streets	Union Street Drainage Improvements	1	30	MVH Local Transfer - GO Bond	\$182,000	\$0	\$0	\$0	\$0	\$0	\$0	\$182,000
213	Streets	Drainage Improvements	1	20	MVH Local Transfer - GO Bond	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
279	Streets	Allen Road Drainage Improvements	1	30	MVH Local Transfer - GO Bond	\$148,000	\$0	\$0	\$0	\$0	\$0	\$0	\$148,000
210	Streets	W. Mansion Street Reconstruction and Hughes Street Rehabilitation	1	30	MVH Major - Bond	\$131,250	\$0	\$0	\$0	\$0	\$0	\$337,500	\$468,750
212	Streets	Street Sign Replacement	1	15	MVH Major 35%, MVH Local 65%	\$14,000	\$14,000	\$14,000	\$14,000	\$14,000	\$14,000	\$0	\$84,000
178	Streets	Storage Rack for Salt Spreaders and Dump Box Covers	2	30	General Fund	\$0	\$8,000	\$0	\$0	\$0	\$0	\$0	\$8,000
282	Streets	Barricade Replacement	2	10	General Fund	\$5,000	\$0	\$0	\$0	\$0	\$5,000	\$0	\$10,000
209	Streets	Local Street Rehabilitation	2	30	General Fund	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	\$0	\$1,320,000
287	Streets	Parking Lot Pavement Repairs	2	5	General Fund 50%, DDA 50%	\$23,225	\$0	\$0	\$0	\$0	\$0	\$0	\$23,225
285	Streets	DPW Insulation	2	30	General Fund 67%, Motor Pool 33%	\$0	\$0	\$0	\$8,000	\$0	\$0	\$0	\$8,000
280	Streets	Verona Road Drainage Improvements	2	30	MVH Local Transfer - GO Bond	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
211	Streets	North Drive and East Drive Rehabilitation	2	30	MVH Major 26% - Bond, MDOT Grant 74%	\$0	\$0	\$131,250	\$0	\$0	\$0	\$375,000	\$506,250
67	Streets	Bridge Replacement-Marshall Ave @ Kalamazoo River	2	30	MVH Major 6% - Bond, MDOT Grant 94%	\$0	\$0	\$65,000	\$0	\$0	\$0	\$1,011,750	\$1,076,750
56	Streets	Bridge Replacement-Monroe Street @ Rice Creek	2	30	MVH Major 8% - Bond, MDOT Grant 92%	\$0	\$0	\$37,500	\$0	\$0	\$0	\$443,650	\$481,150
41	Streets	Sidewalk Ramp Installation	3	50	General Fund	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$60,000
		Total Streets				\$789,808	\$252,000	\$477,750	\$252,000	\$244,000	\$249,000	\$2,167,900	\$4,432,458
		TOTAL CEMETERY TRUST FUND				\$55,000	\$10,000	\$10,000	\$10,000	\$0	\$0	\$0	\$85,000
		TOTAL DATA PROCESSING FUND				\$37,000	\$13,000	\$13,000	\$13,000	\$0	\$0	\$0	\$76,000
		TOTAL GENERAL FUND				\$486,006	\$309,200	\$322,200	\$327,044	\$271,794	\$589,088	\$896,647	\$3,201,979

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
		TOTAL MVH MAJOR FUND				\$145,250	\$14,000	\$247,750	\$14,000	\$14,000	\$14,000	\$2,167,900	\$2,616,900
		TOTAL MVH LOCAL FUND				\$365,000	\$0	\$0	\$0	\$0	\$0	\$0	\$365,000
		TOTAL SPECIAL PROJECTS FUND				\$0	\$0	\$0	\$0	\$0	\$0	\$58,000	\$58,000
	Marshall House												
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 Vacancy Maintenance	1	5	Marshall House Fund	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$0	\$50,000
297	Marshall House	Resurface and Seal Parking Lot	2	4	Marshall House Fund	\$0	\$15,750	\$0	\$0	\$0	\$0	\$0	\$15,750
296	Marshall House	250,000 BTU High Efficiency Lochinvar Boilers	2	10	Marshall House Fund	\$0	\$0	\$21,160	\$0	\$0	\$0	\$0	\$21,160
298	Marshall House	Replace Mechanical Room Doors and Frame	2	30	Marshall House Fund	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
299	Marshall House	Replace Electrical Room Door and Frame	2	30	Marshall House Fund	\$2,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000
300	Marshall House	Replace Automatic Entrance Doors	2	20	Marshall House Fund	\$0	\$0	\$0	\$9,280	\$0	\$0	\$0	\$9,280
301	Marshall House	Replace Boiler Pumps	2	10	Marshall House Fund	\$0	\$0	\$0	\$4,350	\$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	\$0	\$13,000	\$0	\$0	\$0	\$13,000
303	Marshall House	Renovation of Meeting Room Kitchen	2	20	Marshall House Fund	\$0	\$0	\$0	\$0	\$0	\$17,500	\$0	\$17,500
304	Marshall House	Renovation of Salon	2	20	Marshall House Fund	\$0	\$0	\$0	\$0	\$0	\$6,000	\$0	\$6,000
305	Marshall House	Replace Water Softeners	2	10	Marshall House Fund	\$0	\$0	\$0	\$0	\$0	\$8,600	\$0	\$8,600
306	Marshall House	Replace Water Heaters	2	10	Marshall House Fund	\$0	\$0	\$0	\$0	\$0	\$5,800	\$0	\$5,800
		TOTAL MARSHALL HOUSE FUND				\$121,244	\$129,994	\$135,404	\$140,874	\$114,244	\$142,144	\$0	\$783,904

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
		Motor Pool											
284	Motor Pool	DPW Roof and Wall Improvements	1	30	Motor Pool Fund 33%, General Fund 67%	\$10,667	\$0	\$0	\$0	\$0	\$0	\$0	\$10,667
248	Motor Pool	Vehicle Lift with Support Jacks	2	20	Motor Pool & DART	\$0	\$40,000	\$0	\$0	\$0	\$0	\$0	\$40,000
251	Motor Pool	Diagnostic Software and Equipment	2	3	Motor Pool & DART	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000
286	Motor Pool	DPW Insulation	2	30	Motor Pool Fund 33%, General Fund 67%	\$0	\$0	\$0	\$4,000	\$0	\$0	\$0	\$4,000
		TOTAL MOTOR POOL FUND				\$16,667	\$40,000	\$0	\$4,000	\$0	\$0	\$0	\$60,667
		Public Services Building Operations											
275	PSB Operations	Ice Room/Shower Room Floor Repair	1	40	Department Cost Allocation - 55% Electric, 28% GF, 9% DART, 8% Water	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000
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	\$0	\$15,000	\$0	\$15,000
276	PSB Operations	Exterior Maintenance	4	10	Department Cost Allocation - 55% Electric, 28% GF, 9% DART, 8% Water	\$0	\$0	\$6,500	\$0	\$0	\$0	\$0	\$6,500
		TOTAL DEPARTMENT COST ALLOCATIONS - VARIOUS FUNDS				\$7,000	\$0	\$6,500	\$0	\$0	\$15,000	\$0	\$28,500
		Wastewater											
132	Wastewater	I & I Study (Inflow and Infiltration)	1	15	Wastewater Fund	\$0	\$0	\$0	\$0	\$0	\$65,000	\$0	\$65,000
45	Wastewater	4" Emergency By Pass Pump	1	15	Wastewater Fund - Bond (SRF)	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
134	Wastewater	Gear Box Replacement	1	20	Wastewater Fund - Bond (SRF)	\$60,000	\$0	\$0	\$0	\$0	\$0	\$0	\$60,000
241	Wastewater	New Driveway/Electric Gate	1	30	Wastewater Fund - Bond (SRF)	\$81,600	\$0	\$0	\$0	\$0	\$0	\$0	\$81,600
244	Wastewater	Wastewater SCADA Replacement	1	10	Wastewater Fund - Bond (SRF)	\$151,000	\$0	\$0	\$0	\$0	\$0	\$0	\$151,000
264	Wastewater	Air Line Replacement at Wastewater Treatment Plant	1	25	Wastewater Fund - Bond (SRF)	\$59,400	\$0	\$0	\$0	\$0	\$0	\$0	\$59,400

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

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265	Wastewater	Return Activated Sludge Pumping Variable Frequency Drives	1	10	Wastewater Fund - Bond (SRF)	\$34,300	\$0	\$0	\$0	\$0	\$0	\$0	\$34,300
266	Wastewater	Wastewater Plant Brick Restoration	2	25	Wastewater Fund	\$0	\$0	\$20,000	\$0	\$0	\$0	\$0	\$20,000
11	Wastewater	Primary Sludge Pump	2	20	Wastewater Fund - Bond (SRF)	\$57,700		\$0	\$0	\$0	\$0	\$0	\$57,700
34	Wastewater	Raw Sludge Tank Mixer	2	20	Wastewater Fund - Bond (SRF)	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$30,000
51	Wastewater	Valve Replacement	2	30	Wastewater Fund - Bond (SRF)	\$41,700	\$0	\$0	\$0	\$0	\$0	\$0	\$41,700
68	Wastewater	Replace High School Lift Station	2	25	Wastewater Fund - Bond (SRF)	\$327,000	\$0	\$0	\$0	\$0	\$0	\$0	\$327,000
69	Wastewater	Replace Industrial Park Lift Station	2	25	Wastewater Fund - Bond (SRF)	\$338,000	\$0	\$0	\$0	\$0	\$0	\$0	\$338,000
157	Wastewater	Crack Sealing and Seal Coating WWTP Drive	2	10	Wastewater Fund - Bond (SRF)	\$27,500	\$0	\$0	\$0	\$0	\$0	\$0	\$27,500
242	Wastewater	Stand-by Generator	2	30	Wastewater Fund - Bond (SRF)	\$275,000	\$0	\$0	\$0	\$0	\$0	\$0	\$275,000
243	Wastewater	In-line Muffin Monster Exchange	2	5	Wastewater Fund - Bond (SRF)	\$16,300	\$0	\$0	\$0	\$0	\$0	\$0	\$16,300
52	Wastewater	Electrical Controls Replacement	3	30	Wastewater Fund - Bond (SRF)	\$232,500	\$0	\$0	\$0	\$0	\$0	\$0	\$232,500
310	Wastewater	Automated Meter Information Project	3	20	Wastewater Fund - Bond or Installment Purchase Contract (Electric 50%, Wastewater 25%, Water 25%)	\$267,138	\$0	\$0	\$0	\$0	\$0	\$0	\$267,138
		TOTAL WASTEWATER FUND				\$2,049,138	\$0	\$20,000	\$0	\$0	\$65,000	\$0	\$2,134,138
	Water												
259	Water	Replace Existing Heaters in Water Treatment Plant	2	25	Water Fund	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
262	Water	Refurbish Well Houses 1-3	2	20	Water Fund	\$9,000	\$0	\$0	\$0	\$0	\$0	\$0	\$9,000
258	Water	Replace Water Main on S. Marshall	2	30	Water Fund - Bond	\$0	\$0	\$0	\$0	\$585,000	\$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	\$0	\$329,000	\$0	\$0	\$329,000
261	Water	Replace Existing 4" Water Main at WW Treatment Plant	2	30	Water Fund - Bond	\$0	\$65,000	\$0	\$0	\$0	\$0	\$0	\$65,000

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
263	Water	New Garage at Water Treatment Plant	2	30	Water Fund	\$0	\$0	\$0	\$40,000	\$0	\$0	\$0	\$40,000
217	Water	Build New Treatment Plant at Well #5 Site. S. Kalamazoo behind Moonraker	3	50	Water Fund - Bond	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000
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 - Bond	\$0	\$45,000	\$0	\$0	\$0	\$0	\$0	\$45,000
311	Water	Automated Meter Information Project	3	20	Water Fund - Bond or Installment Purchase Contract (Electric 50%, Wastewater 25%, Water 25%)	\$267,138	\$0	\$0	\$0	\$0	\$0	\$0	\$267,138
		TOTAL WATER FUND				\$281,138	\$110,000	\$100,000	\$40,000	\$914,000	\$1,000,000	\$0	\$2,445,138

City of Marshall – Council

Capital Improvements Program

Expenditures by Priority/Department-Fund

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
	Priority 1												
274	Chapel	Roof	1	30	General Fund	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
		Total Chapel				\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
2	City Hall	Windows	1	30	General Fund	\$12,000	\$0	\$0	\$0	\$0	\$0	\$0	\$12,000
		Total City Hall				\$12,000	\$0	\$0	\$0	\$0	\$0	\$0	\$12,000
278	Clerk-Treasurer	Financial Software for General Ledger, Payroll, Accounts Payable, Accounts Receivable, Bank	1	10	Data Processing Fund	\$37,000	\$13,000	\$13,000	\$13,000	\$0	\$0	\$0	\$76,000
		Total Clerk-Treasurer				\$37,000	\$13,000	\$13,000	\$13,000	\$0	\$0	\$0	\$76,000
250	Downtown Development Authority	Michigan Avenue Tree Replacement Project - Downtown	1	30	DDA Fund-1/3/Grant Funds/Private Donations	\$25,000	\$0	\$0	\$0	\$0	\$0	\$109,000	\$134,000
294	Downtown Development Authority	Market Study	1	5	DDA Fund 25%, General Fund 37.5%, Grant 37.5%	\$0	\$0	\$0	\$5,000	\$0	\$0	\$3,000	\$8,000
		Total DDA				\$25,000	\$0	\$0	\$5,000	\$0	\$0	\$112,000	\$142,000
25	Electric	Meter / Relay Calibration	1	3	Electric Fund	\$0	\$25,000	\$0	\$0	\$25,000	\$0	\$0	\$50,000
28	Electric	Power House Roof Repairs	1	25	Electric Fund	\$55,000	\$0	\$0	\$0	\$0	\$0	\$0	\$55,000
147	Electric	Breaker Maintenance	1	5	Electric Fund	\$0	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000
225	Electric	Station Battery Replacement	1	20	Electric Fund	\$17,500	\$0	\$0	\$0	\$0	\$0	\$0	\$17,500
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	\$55,000	\$0	\$0	\$0	\$0	\$165,000
223	Electric	Embankment Project	1	50	Electric Fund - Bond	\$805,000	\$0	\$0	\$0	\$0	\$0	\$0	\$805,000
229	Electric	Pole Replacement and Line Reconstruction	1	50	Electric Fund - Bond	\$75,000	\$75,000	\$80,000	\$80,000	\$80,000	\$0	\$0	\$390,000
		Total Electric				\$1,057,500	\$230,000	\$185,000	\$80,000	\$105,000	\$0	\$0	\$1,657,500
153	Fire	Personal Alert Safety System (P.A.S.S. Device) Replacement	1	5	General Fund	\$0	\$0	\$0	\$12,250	\$0	\$0	\$0	\$12,250

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
220	Fire	Replace 5" Supply Line Fire Hose	1	20	General Fund	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$12,000
76	Fire	Structural Fire Fighting Protective Clothing Purchase	1	10	General Fund or FEMA Grant with a 5% match	\$9,000	\$9,500	\$10,000	\$10,500	\$11,000	\$11,500	\$0	\$61,500
		Total Fire				\$15,000	\$15,500	\$10,000	\$22,750	\$11,000	\$11,500	\$0	\$85,750
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 Vacancy Maintenance	1	5	Marshall House Fund	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$0	\$50,000
		Total Marshall House				\$114,244	\$114,244	\$114,244	\$114,244	\$114,244	\$104,244	\$0	\$675,464
284	Motor Pool	DPW Roof and Wall Improvements	1	30	Motor Pool Fund 33%, General Fund 67%	\$10,667	\$0	\$0	\$0	\$0	\$0	\$0	\$10,667
		Total Motor Pool				\$10,667	\$0	\$0	\$0	\$0	\$0	\$0	\$10,667
207	Parks	Playground Ground Cover replacement	1	10	General fund	\$0	\$0	\$0	\$0	\$0	\$8,000	\$0	\$8,000
		Total Parks				\$0	\$0	\$0	\$0	\$0	\$8,000	\$0	\$8,000
238	Police	Police Vehicle Change-over	1	10	General Fund	\$12,000	\$6,000	\$6,000	\$5,000	\$5,000	\$0	\$3,200	\$37,200
257	Police	Police Vehicle Video Equipment	1	5	General Fund	\$10,000	\$9,200	\$9,200	\$0	\$0	\$0	\$2,000	\$30,400
236	Police	Protective Vests	1	5	General Fund or Grant	\$0	\$0	\$4,000	\$5,000	\$0	\$0	\$0	\$9,000
		Total Police				\$22,000	\$15,200	\$19,200	\$10,000	\$5,000	\$0	\$5,200	\$76,600
275	PSB Operations	Ice Room/Shower Room Floor Repair	1	40	Department Cost Allocation - 55% Electric, 28% GF, 9% DART, 8% Water	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000
		Total Public Services Building Operations				\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000
283	Streets	DPW Roof and Wall Improvements	1	30	General Fund 67%, Motor Pool 33%	\$21,333	\$0	\$0	\$0	\$0	\$0	\$0	\$21,333
198	Streets	Union Street Drainage Improvements	1	30	MVH Local Transfer - GO Bond	\$182,000	\$0	\$0	\$0	\$0	\$0	\$0	\$182,000
213	Streets	Drainage Improvements	1	20	MVH Local Transfer - GO Bond	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
279	Streets	Allen Road Drainage Improvements	1	30	MVH Local Transfer - GO Bond	\$148,000	\$0	\$0	\$0	\$0	\$0	\$0	\$148,000

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
210	Streets	W. Mansion Street Reconstruction and Hughes Street Rehabilitation	1	30	MVH Major - Bond	\$131,250	\$0	\$0	\$0	\$0	\$0	\$337,500	\$468,750
212	Streets	Street Sign Replacement	1	15	MVH Major 35%, MVH Local 65%	\$14,000	\$14,000	\$14,000	\$14,000	\$14,000	\$14,000	\$0	\$84,000
		Total Streets				\$521,583	\$14,000	\$14,000	\$14,000	\$14,000	\$14,000	\$337,500	\$929,083
132	Wastewater	I & I Study (Inflow and Infiltration)	1	15	Wastewater Fund	\$0	\$0	\$0	\$0	\$0	\$65,000	\$0	\$65,000
45	Wastewater	4" Emergency By Pass Pump	1	15	Wastewater Fund - Bond (SRF)	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
134	Wastewater	Gear Box Replacement	1	20	Wastewater Fund - Bond (SRF)	\$60,000	\$0	\$0	\$0	\$0	\$0	\$0	\$60,000
241	Wastewater	New Driveway/Electric Gate	1	30	Wastewater Fund - Bond (SRF)	\$81,600	\$0	\$0	\$0	\$0	\$0	\$0	\$81,600
244	Wastewater	Wastewater SCADA Replacement	1	10	Wastewater Fund - Bond (SRF)	\$151,000	\$0	\$0	\$0	\$0	\$0	\$0	\$151,000
264	Wastewater	Air Line Replacement at Wastewater Treatment Plant	1	25	Wastewater Fund - Bond (SRF)	\$59,400	\$0	\$0	\$0	\$0	\$0	\$0	\$59,400
265	Wastewater	Return Activated Sludge Pumping Variable Frequency Drives	1	10	Wastewater Fund - Bond (SRF)	\$34,300	\$0	\$0	\$0	\$0	\$0	\$0	\$34,300
		Total Wastewater				\$436,300	\$0	\$0	\$0	\$0	\$65,000	\$0	\$501,300
		TOTAL PRIORITY 1				\$2,283,294	\$401,944	\$355,444	\$258,994	\$249,244	\$202,744	\$454,700	\$4,206,364
	Priority 2												
202	Airport	AWOS replacement	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$1,500	\$0	\$0	\$0	\$0	\$58,500	\$60,000
204	Airport	Terminal Building Improvements	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$3,750	\$0	\$0	\$153,750	\$157,500
206	Airport	Taxistreet Rehabilitation	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$7,000	\$0	\$0	\$0	\$273,000	\$280,000
268	Airport	Runway Extension Environmental Study	2	30	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$0	\$2,500	\$0	\$97,500	\$100,000
270	Airport	Runway Extension justification study	2	30	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$0	\$625	\$0	\$24,375	\$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	\$625	\$0	\$24,375	\$25,000
313	Airport	Airport Layout Plan Update	2	15	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$3,948	\$0	\$0	\$0	\$0	\$0	\$153,947	\$157,895

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
		Total Airport				\$3,948	\$1,500	\$7,000	\$3,750	\$3,750	\$0	\$785,447	\$805,395
38	Cemetery	Cemetery Water Distribution System	2	20	Cemetery Trust Fund	\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000
		Total Cemetery				\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000
247	Chapel	Exterior Overhang	2	30	General Fund	\$0	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$12,000
		Total Chapel				\$0	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$12,000
272	City Hall	Replacement of Air Conditioning Unit	2	20	General Fund	\$13,500	\$0	\$0	\$0	\$0	\$0	\$0	\$13,500
		Total City Hall				\$13,500	\$0	\$0	\$0	\$0	\$0	\$0	\$13,500
143	Downtown Development Authority	Parking Lot Pavement Repairs	2	5	DDA Fund 50%, General Fund 50%	\$23,225	\$0	\$0	\$0	\$0	\$0	\$0	\$23,225
		Total DDA				\$23,225	\$0	\$0	\$0	\$0	\$0	\$0	\$23,225
19	Electric	Raceway/Dam Maintenance	2	20	Electric Fund	\$0	\$15,000	\$0	\$15,000	\$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
31	Electric	Upgrade Plant #1 House Power Panels	2	30	Electric Fund	\$7,500	\$7,500	\$0	\$0	\$0	\$0	\$0	\$15,000
46	Electric	Upgrade Engine Protection Systems #2 & #5	2	20	Electric Fund	\$0	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
49	Electric	Engine #3 & #6 gauge panel replacement	2	20	Electric Fund	\$0	\$80,000	\$80,000	\$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	\$0	\$40,000	\$0	\$0	\$0	\$0	\$0	\$40,000
171	Electric	Replace Protective Relaying - Transformers	2	20	Electric Fund	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000
172	Electric	Replace Protective Relaying - Distribution	2	20	Electric Fund	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
224	Electric	Remote Terminal Unit (RTU) Replacement @ Pearl Street Substation and Plant 2	2	10	Electric Fund	\$60,000	\$25,000	\$0	\$0	\$0	\$0	\$0	\$85,000
226	Electric	Distribution Stringing Blocks	2	50	Electric Fund	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000
227	Electric	Infrared Camera and Training	2	10	Electric Fund	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
288	Electric	Repair Blockhouse Walls	2	50	Electric Fund	\$0	\$0	\$6,000	\$0	\$0	\$0	\$0	\$6,000
289	Electric	Repair Brick (re-tuck joints & seal)	2	50	Electric Fund	\$0	\$0	\$0	\$0	\$40,000	\$40,000	\$0	\$80,000
290	Electric	Replace Windows	2	50	Electric Fund	\$0	\$95,333	\$95,333	\$95,334	\$0	\$0	\$0	\$286,000
291	Electric	Tree Removal/Replacement Program	2	50	Electric Fund	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$30,000
292	Electric	Web based GIS and Outage Management System	2	20	Electric Fund	\$47,500	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$0	\$77,500
314	Electric	Environmental Underground Clean-up at PSB Parking Lot	2	50	Electric Fund	\$165,000	\$0	\$0	\$0	\$0	\$0	\$0	\$165,000
222	Electric	NESHAP/ RICE Compliance	2	25	Electric Fund - Bond	\$251,000	\$124,000	\$0	\$0	\$0	\$0	\$0	\$375,000
		Total Electric				\$670,000	\$447,833	\$192,333	\$121,334	\$51,000	\$51,000	\$0	\$1,533,500
256	Fire	Thermal Imaging Camera	2	10	General Fund	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
		Total Fire				\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
297	Marshall House	Resurface and Seal Parking Lot	2	4	Marshall House Fund	\$0	\$15,750	\$0	\$0	\$0	\$0	\$0	\$15,750
296	Marshall House	250,000 BTU High Efficiency Lochinvar Boilers	2	10	Marshall House Fund	\$0	\$0	\$21,160	\$0	\$0	\$0	\$0	\$21,160
298	Marshall House	Replace Mechanical Room Doors and Frame	2	30	Marshall House Fund	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
299	Marshall House	Replace Electrical Room Door and Frame	2	30	Marshall House Fund	\$2,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000
300	Marshall House	Replace Automatic Entrance Doors	2	20	Marshall House Fund	\$0	\$0	\$0	\$9,280	\$0	\$0	\$0	\$9,280
301	Marshall House	Replace Boiler Pumps	2	10	Marshall House Fund	\$0	\$0	\$0	\$4,350	\$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	\$0	\$13,000	\$0	\$0	\$0	\$13,000

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
303	Marshall House	Renovation of Meeting Room Kitchen	2	20	Marshall House Fund	\$0	\$0	\$0	\$0	\$0	\$17,500	\$0	\$17,500
304	Marshall House	Renovation of Salon	2	20	Marshall House Fund	\$0	\$0	\$0	\$0	\$0	\$6,000	\$0	\$6,000
305	Marshall House	Replace Water Softeners	2	10	Marshall House Fund	\$0	\$0	\$0	\$0	\$0	\$8,600	\$0	\$8,600
306	Marshall House	Replace Water Heaters	2	10	Marshall House Fund	\$0	\$0	\$0	\$0	\$0	\$5,800	\$0	\$5,800
		Total Marshall House				\$7,000	\$15,750	\$21,160	\$26,630	\$0	\$37,900	\$0	\$108,440
248	Motor Pool	Vehicle Lift with Support Jacks	2	20	Motor Pool & DART	\$0	\$40,000	\$0	\$0	\$0	\$0	\$0	\$40,000
251	Motor Pool	Diagnostic Software and Equipment	2	3	Motor Pool & DART	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000
286	Motor Pool	DPW Insulation	2	30	Motor Pool Fund 33%, General Fund 67%	\$0	\$0	\$0	\$4,000	\$0	\$0	\$0	\$4,000
		Total Motor Pool				\$6,000	\$40,000	\$0	\$4,000	\$0	\$0	\$0	\$50,000
12	Parks	Purchase New Playground Equipment	2	25	General Fund	\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000
55	Parks	Paving North Ketchum Park Parking Lot	2	20	General Fund 25%, Passport Grant 75%	\$6,250	\$0	\$0	\$0	\$0	\$0	\$18,750	\$25,000
124	Parks	Brooks Nature Park Observation Deck	2	20	Special Projects Fund-Brooks Nature Project Fund Balance from 100% DNRE Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$41,000	\$41,000
180	Parks	Master Plan for Brooks Nature Park	2	10	Special Projects Fund-Brooks Nature Project Fund Balance from 100% DNRE Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000	\$7,000
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
183	Parks	North Ketchum Park Time Locks With New Doors	2	30	General Fund 25%, Passport Grant 75%	\$3,750	\$0	\$0	\$0	\$0	\$0	\$11,250	\$15,000
		Total Parks				\$55,000	\$0	\$0	\$0	\$0	\$0	\$88,000	\$143,000
77	Recreation	Seal Coating & Striping Athletic Field Parking Lot	2	5	General Fund	\$0	\$7,500	\$0	\$0	\$0	\$0	\$0	\$7,500
253	Recreation	Concrete Pads Under Spectator Bleachers	2	20	General Fund	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
254	Recreation	Replace Electronic Scoreboards, Diamond #1 & #2	2	15	General Fund	\$0	\$11,000	\$0	\$0	\$0	\$0	\$0	\$11,000
		Total Recreation				\$5,000	\$18,500	\$0	\$0	\$0	\$0	\$0	\$23,500

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
178	Streets	Storage Rack for Salt Spreaders and Dump Box Covers	2	30	General Fund	\$0	\$8,000	\$0	\$0	\$0	\$0	\$0	\$8,000
282	Streets	Barricade Replacement	2	10	General Fund	\$5,000	\$0	\$0	\$0	\$0	\$5,000	\$0	\$10,000
209	Streets	Local Street Rehabilitation	2	30	General Fund	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	\$0	\$1,320,000
287	Streets	Parking Lot Pavement Repairs	2	5	General Fund 50%, DDA 50%	\$23,225	\$0	\$0	\$0	\$0	\$0	\$0	\$23,225
285	Streets	DPW Insulation	2	30	General Fund 67%, Motor Pool 33%	\$0	\$0	\$0	\$8,000	\$0	\$0	\$0	\$8,000
280	Streets	Verona Road Drainage Improvements	2	30	MVH Local Transfer - GO Bond	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
211	Streets	North Drive and East Drive Rehabilitation	2	30	MVH Major 26% - Bond, MDOT Grant 74%	\$0	\$0	\$131,250	\$0	\$0	\$0	\$375,000	\$506,250
67	Streets	Bridge Replacement-Marshall Ave @ Kalamazoo River	2	30	MVH Major 6% - Bond, MDOT Grant 94%	\$0	\$0	\$65,000	\$0	\$0	\$0	\$1,011,750	\$1,076,750
56	Streets	Bridge Replacement-Monroe Street @ Rice Creek	2	30	MVH Major 8% - Bond, MDOT Grant 92%	\$0	\$0	\$37,500	\$0	\$0	\$0	\$443,650	\$481,150
		Total Streets				\$258,225	\$228,000	\$453,750	\$228,000	\$220,000	\$225,000	\$1,830,400	\$3,443,375
266	Wastewater	Wastewater Plant Brick Restoration	2	25	Wastewater Fund	\$0	\$0	\$20,000	\$0	\$0	\$0	\$0	\$20,000
11	Wastewater	Primary Sludge Pump	2	20	Wastewater Fund - Bond (SRF)	\$57,700		\$0	\$0	\$0	\$0	\$0	\$57,700
34	Wastewater	Raw Sludge Tank Mixer	2	20	Wastewater Fund - Bond (SRF)	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$30,000
51	Wastewater	Valve Replacement	2	30	Wastewater Fund - Bond (SRF)	\$41,700	\$0	\$0	\$0	\$0	\$0	\$0	\$41,700
68	Wastewater	Replace High School Lift Station	2	25	Wastewater Fund - Bond (SRF)	\$327,000	\$0	\$0	\$0	\$0	\$0	\$0	\$327,000
69	Wastewater	Replace Industrial Park Lift Station	2	25	Wastewater Fund - Bond (SRF)	\$338,000	\$0	\$0	\$0	\$0	\$0	\$0	\$338,000
157	Wastewater	Crack Sealing and Seal Coating WWTP Drive	2	10	Wastewater Fund - Bond (SRF)	\$27,500	\$0	\$0	\$0	\$0	\$0	\$0	\$27,500
242	Wastewater	Stand-by Generator	2	30	Wastewater Fund - Bond (SRF)	\$275,000	\$0	\$0	\$0	\$0	\$0	\$0	\$275,000
243	Wastewater	In-line Muffin Monster Exchange	2	5	Wastewater Fund - Bond (SRF)	\$16,300	\$0	\$0	\$0	\$0	\$0	\$0	\$16,300
		Total Wastewater				\$1,113,200	\$0	\$20,000	\$0	\$0	\$0	\$0	\$1,133,200

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
259	Water	Replace Existing Heaters in Water Treatment Plant	2	25	Water Fund	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
262	Water	Refurbish Well Houses 1-3	2	20	Water Fund	\$9,000	\$0	\$0	\$0	\$0	\$0	\$0	\$9,000
258	Water	Replace Water Main on S. Marshall	2	30	Water Fund - Bond	\$0	\$0	\$0	\$0	\$585,000	\$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	\$0	\$329,000	\$0	\$0	\$329,000
261	Water	Replace Existing 4" Water Main at WW Treatment Plant	2	30	Water Fund - Bond	\$0	\$65,000	\$0	\$0	\$0	\$0	\$0	\$65,000
263	Water	New Garage at Water Treatment Plant	2	30	Water Fund	\$0	\$0	\$0	\$40,000	\$0	\$0	\$0	\$40,000
		Total Water				\$14,000	\$65,000	\$0	\$40,000	\$914,000	\$0	\$0	\$1,033,000
		TOTAL PRIORITY 2				\$2,224,098	\$822,583	\$700,243	\$423,714	\$1,188,750	\$313,900	\$2,703,847	\$8,377,135
	Priority 3												
40	Cemetery	Cemetery Road Paving Project	3	20	Cemetery Trust Fund	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$0	\$0	\$40,000
		Total Cemetery				\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$0	\$0	\$40,000
271	City Hall	Exterior Restoration	3	30	80% Byways Grant (with tourism connection), 20% Building Authority Bond (Fire/City Hall Renovation)	\$0	\$0	\$0	\$0	\$9,500	\$9,500	\$76,000	\$95,000
		Total City Hall				\$0	\$0	\$0	\$0	\$9,500	\$9,500	\$76,000	\$95,000
14	Electric	Recondition #1 Hydro	3	30	Electric Fund	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000
47	Electric	Recondition #3 Hydro	3	30	Electric Fund	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
64	Electric	Rewind Generator #2	3	30	Electric Fund - Bond	\$0	\$0	\$132,000	\$0	\$0	\$0	\$0	\$132,000
72	Electric	Rewind Generator #5	3	30	Electric Fund - Bond	\$0	\$0	\$0	\$145,000	\$0	\$0	\$0	\$145,000
165	Electric	Pearl Street Substation Upgrade	3	25	Electric Fund - Bond	\$0	\$2,000,000	\$3,000,000	\$0	\$0	\$0	\$0	\$5,000,000
228	Electric	Circuit Upgrade	3	50	Electric Fund - Bond	\$1,000,000	\$0	\$0	\$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	\$0	\$400,000	\$0	\$0	\$0	\$400,000

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
233	Electric	Sherman Drive/Wright Lane Upgrade	3	30	Electric Fund - Bond	\$0	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$3,000,000
235	Electric	Stuart Lake Circuit Underground Upgrade	3	30	Electric Fund - Bond	\$800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$800,000
309	Electric	Automated Meter Information Project	3	20	Electric Fund - Bond or Installment Purchase Contract (Electric 50%, Wastewater 25%, Water 25%)	\$534,275	\$0	\$0	\$0	\$0	\$0	\$0	\$534,275
		Total Electric				\$2,334,275	\$5,075,000	\$3,207,000	\$545,000	\$0	\$0	\$0	\$11,161,275
277	Parks	S. Ketchum Park Leveling	3	10	General fund	\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000
		Total Parks				\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000
82	Recreation	Athletic Field Sign	3	20	General Fund	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$5,000
255	Recreation	Dug-Outs, Diamond #3 & #4	3	25	General Fund	\$0	\$0	\$0	\$12,544	\$12,544	\$0	\$0	\$25,088
		Total Recreation				\$0	\$0	\$5,000	\$12,544	\$12,544	\$0	\$0	\$30,088
41	Streets	Sidewalk Ramp Installation	3	50	General Fund	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$60,000
		Total Streets				\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$60,000
52	Wastewater	Electrical Controls Replacement	3	30	Wastewater Fund - Bond (SRF)	\$232,500	\$0	\$0	\$0	\$0	\$0	\$0	\$232,500
310	Wastewater	Automated Meter Information Project	3	20	Wastewater Fund - Bond or Installment Purchase Contract (Electric 50%, Wastewater 25%, Water 25%)	\$267,138	\$0	\$0	\$0	\$0	\$0	\$0	\$267,138
		Total Wastewater				\$499,638	\$0	\$0	\$0	\$0	\$0	\$0	\$499,638
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 - Bond	\$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	\$0	\$1,000,000	\$0	\$1,000,000
311	Water	Automated Meter Information Project	3	20	Water Fund - Bond or Installment Purchase Contract (Electric 50%, Wastewater 25%, Water 25%)	\$267,138	\$0	\$0	\$0	\$0	\$0	\$0	\$267,138
		Total Water				\$267,138	\$45,000	\$100,000	\$0	\$0	\$1,000,000	\$0	\$1,412,138
		TOTAL PRIORITY 3				\$3,166,051	\$5,140,000	\$3,332,000	\$577,544	\$32,044	\$1,019,500	\$76,000	\$13,343,139

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
	Priority 4												
273	City Hall	Interior Restoration, Painting & Flooring	4	15	Building Authority Bond (Fire/City Hall Renovation Bond)	\$0	\$0	\$35,000	\$35,000	\$0	\$0	\$0	\$70,000
		Total City Hall				\$0	\$0	\$35,000	\$35,000	\$0	\$0	\$0	\$70,000
252	Dart	Bus Replacement	4	7	100% Fed/State Grant	\$0	\$0	\$0	\$85,000	\$88,000	\$91,000	\$0	\$264,000
		Total Dart				\$0	\$0	\$0	\$85,000	\$88,000	\$91,000	\$0	\$264,000
295	Downtown Development Authority	Downtown Place-Finding Signage	4	20	Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$75,000
		Total DDA				\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$75,000
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	\$0	\$200,000	\$0	\$0	\$0	\$200,000
		Total Electric				\$0	\$50,000	\$50,000	\$250,000	\$0	\$0	\$0	\$350,000
192	Parks	Sherman Court Pond Nature Trail	4	20	General Fund	\$0	\$5,000	\$5,000	\$5,000	\$0	\$0	\$0	\$15,000
		Total Parks				\$0	\$5,000	\$5,000	\$5,000	\$0	\$0	\$0	\$15,000
239	Police	Police Protective Shelter / Equipment Storage	4	20	General Fund	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$5,000
237	Police	Forensic Equipment	4	15	General Fund or Grant	\$0	\$9,500	\$0	\$0	\$0	\$0	\$0	\$9,500
		Total Police				\$0	\$9,500	\$5,000	\$0	\$0	\$0	\$0	\$14,500
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	\$0	\$15,000	\$0	\$15,000
276	PSB Operations	Exterior Maintenance	4	10	Department Cost Allocation - 55% Electric, 28% GF, 9% DART, 8% Water	\$0	\$0	\$6,500	\$0	\$0	\$0	\$0	\$6,500
		Total Public Services Building Operations				\$0	\$0	\$6,500	\$0	\$0	\$15,000	\$0	\$21,500
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	\$0	\$0	\$25,088	\$0	\$25,088

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
		<i>Total Recreation</i>				\$0	\$0	\$0	\$0	\$0	\$325,088	\$0	\$325,088
		TOTAL PRIORITY 4				\$0	\$64,500	\$101,500	\$375,000	\$88,000	\$431,088	\$75,000	\$1,135,088

City of Marshall – Council

Capital Improvements Program

Project Description

City of Marshall

Capital Improvements Program Project Description

Record #	Department	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.
2	City Hall	Windows	1	Repair North & West windows and install interior storms.	Energy efficiency
11	Wastewater	Primary Sludge Pump	2	To replace 34 year old pumps.	\$2,885 depreciation.
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	2	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.
34	Wastewater	Raw Sludge Tank Mixer	2	Replace the worn out gear box and mixer. The mixing of raw biosolids are done prior to the thickening process.	Adequate replacement now will save on continual repair costs. \$1,500 depreciation.

City of Marshall

Capital Improvements Program Project Description

Record #	Department	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
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	3	Repair of 100 sidewalk ramps at intersections under the City's jurisdiction which do not currently have a handicap accessible ramp.	Increased pedestrian safety.
45	Wastewater	4" Emergency By Pass Pump	1	The City has a 3" bypass pump that is 10 years old and a 6" pump that is 33 years old. The City depends on these pumps for emergencies such as lift station bypassing and for pumping and cleaning the tanks at the wastewater plant. These pumps are in good working order, however as they age we need to keep a dependable pump at our facility in case of that emergency.	\$3,333 depreciation.
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.
51	Wastewater	Valve Replacement	2	Replace 30 year old valves at the WWTP to ensure quality treatment. Parts for current valves no longer available.	\$1,390 annual depreciation expense. Planned purchase could reduce unanticipated costs if current valves failed.
52	Wastewater	Electrical Controls Replacement	3	Current controls are 30 years old and replacement parts are no longer available	\$7,750 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.

City of Marshall

Capital Improvements Program Project Description

Record #	Department	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
55	Parks	Paving North Ketchum Park Parking Lot	2	Asphalt paving of parking lot adjacent to skate park, play structure and restrooms located in north Ketchum Park.	\$300 increase in maintenance costs per year.
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.
68	Wastewater	Replace High School Lift Station	2	Due to the age and on-going maintenance to the lift station replacement is recommended. Soft start motors will save on electric and a new type of station would eliminate confined space.	Lift station installed in 1971; newer pumps will reduce maintenance and electric costs. The risk for injury due to confined space is eliminated producing an indirect savings for confined space equipment use/needs & lost productivity. \$13,080 depreciation.
69	Wastewater	Replace Industrial Park Lift Station	2	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 Vacancy Maintenance	1	Carpeting, painting, vinyl and (4) ADA tub replacements when units become vacant.	
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.

City of Marshall

Capital Improvements Program Project Description

Record #	Department	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
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 lessen 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.
82	Recreation	Athletic Field Sign	3	The purchase of signage at the Athletic Field Complex would provide identification for those traveling to Marshall to use the facility and provide identification as a City of Marshall facility. Signage would also add a touch of professionalism.	No effect on operations.
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.
124	Parks	Brooks Nature Park Observation Deck	2	This will be an elevated deck so that visitors will be able to over look the lake and view the wild life that resides there. It will also comply with ADA and State of Michigan barrier free standards.	Will be an increase in maintenance cost in the future.

City of Marshall

Capital Improvements Program Project Description

Record #	Department	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
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.
134	Wastewater	Gear Box Replacement	1	Replace gearboxes (stabilize sludge tank)	\$3,000 depreciation.
143	Downtown Development Authority	Parking Lot Pavement Repairs	2	Pavement sealing program for all city owned or maintained parking lots to extend life of the pavement. 50/50 split	Reduction in maintenance on deteriorating parking lots.
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.
157	Wastewater	Crack Sealing and Seal Coating WWTP Drive	2	It has been 10 years since any work has been done on the WWTP's drive, and needs to be done to preserve the drive.	\$2,750 depreciation.
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.

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Record #	Department	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
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.
178	Streets	Storage Rack for Salt Spreaders and Dump Box Covers	2	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.
180	Parks	Master Plan for Brooks Nature Park	2	The study will give staff and the Brooks Nature Advisory Group direction on developing this land for public use. The following year the firm selected to develop the plan, will then provide construction documents and when funding becomes available, apply for the permits with the DEQ and DNR. Staff will have the documents necessary to be able to apply for grants.	An enhancement for the Brooks Nature Area Park and guide to its continued development.
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.
183	Parks	North Ketchum Park Time Locks With New Doors	2	The restrooms have been vandalized so many times the frames and doors need to be replaced and time lock added. The time lock will allow the bathroom doors to lock at a preset time. The bathrooms are being changed to unisex so they will have a occupied/unoccupied lock set. Pull handle on the outside.	Reduce maintenance costs due to vandalism.
192	Parks	Sherman Court Pond Nature Trail	4	Provide soft trails through natural area around pond.	Minor maintenance cost increase. Direct cost associated with proper signage to minimize risk.

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Record #	Department	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
198	Streets	Union Street Drainage Improvements	1	There has been an ongoing drainage issue at the corner of Mulberry Street and Union Street for some time. Project will increase capacity of drainage basin on Union Street and install protective fence.	Reduction in 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	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.
210	Streets	W. Mansion Street Reconstruction and Hughes Street Rehabilitation	1	Updating pavement, curb, sidewalk, and drainage from of W Mansion Street from Plum Street to S. Kalamazoo Avenue. Hughes Street Mill and Fill Design to be completed in FY 2011-2012. construction in MDOT FY 2012	Reduction in maintenance cost.
211	Streets	North Drive and East Drive Rehabilitation	2	North Drive and East Drive from Michigan Avenue to N. Kalamazoo Avenue Reconstruction. Design to be completed in FY 2013-2014. construction in MDOT FY 2014	Reduction in maintenance cost.
212	Streets	Street Sign Replacement	1	Unfunded federal mandate requires that the agencies responsible for sign maintenance declare a program by 2012 and be in compliance by 2015. Signs will be replaced by City crews one quadrant per year. Street signs will begin to be replaced in the fifth year	None.
213	Streets	Drainage Improvements	1	North side of Liberty and Michigan Avenue.	Reduction in trouble calls
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

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Record #	Department	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 nd due to connect from the hydrant to our 1 st 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 st 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 nd due engine and place the older but still tested remaining hose on our 1 st 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.
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.

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Record #	Department	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.
225	Electric	Station Battery Replacement	1	Due to the age and critical nature of the battery banks, which are relied on to operate relays and breakers, staff feels they both should be replaced at this time.	The current battery chargers are 25 and 30 years old. The newer one has been having trouble for the past two years and needs replacing. The battery banks themselves are 20-year lead acid batteries, installed in 1994. These batteries are starting to show signs of deterioration in the plates and cracking on the top covers of several cells at the posts. Due to the age and critical nature of the battery banks to operate relays and breakers in an outage staff feels they both should be replaced at this time.
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	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.

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Record #	Department	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
227	Electric	Infrared Camera and Training	2	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.	
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.

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Record #	Department	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
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.	
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.
237	Police	Forensic Equipment	4	To purchase a drying chamber, latent print developer, cyanoacrolate chamber. This will provide expedited lab results and should help in earlier identification and apprehension of suspects.	This will allow MPD to process evidence locally and reduce the time and man hours of case investigation and transporting evidence to forensic other labs.
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.

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Record #	Department	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
239	Police	Police Protective Shelter / Equipment Storage	4	To provide safe cover for all personnel while at the shooting range in the event of inclement weather. This will also be used as storage of range materials with exception of firearms or ammunition. It is also agreed upon with the Street Department to share the facility for their storage and protective cover as well.	Will provide man hour savings with storage of equipment on site. Original estimate was \$10,000, but can be built on site at the reduced cost.
241	Wastewater	New Driveway/Electric Gate	1	This project will serve two purposes. The new paved driveway straight out to Industrial Road will make the WWTP more accessible and visible to the public and to visitors and delivery personnel. The electric gate will satisfy Homeland Security measures that require the gate to remain secured when the plant is staffed with only one operator.	Eliminate need for grading by the Street Dept. and in repairs to vehicle suspension, steering and tires. Electric gate will create an indirect savings from operator productivity by not having to open and close the gate when working alone.
242	Wastewater	Stand-by Generator	2	MDEQ requires two sources of electric power for the plant. We currently have two feeds but they essentially come from the same source. In the event of a major outage we would not have power. A back-up generator to run the entire plant will satisfy this requirement. The project included designs and construction cost.	Allow for seamless operation of plant in the event of power failure.
243	Wastewater	In-line Muffin Monster Exchange	2	Replacement 11-year old cutters in two in-line Muffin Monsters. These grind primary sludge prior to pumping and processing to breakdown inorganic material. The grinders save wear on the pumps and thickening equipment and help prevent plugging. This is done as an exchange program with the manufacturer similar to a core exchange.	Extends life of more expensive pumps and thickening equipment and reduces maintenance and down time.
244	Wastewater	Wastewater SCADA Replacement	1	Our current SCADA system is obsolete and replacement parts are largely unavailable. The proposed system will utilize new technology and more powerful radio modems for increased reliability.	The proposed system will increase the reliability of the alarm system at the plant and lift stations. This will mean better response to alarm conditions and decrease the likelihood of sanitary sewer overflows and sewer backups. We will also be eliminating four phone lines dedicated to modems at two of the lift stations. \$15,100 depreciation.
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.

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Record #	Department	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
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.
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.
250	Downtown Development Authority	Michigan Avenue Tree Replacement Project - Downtown	1	Remove and replace existing trees along Michigan Avenue - between Park Avenue and Marshall Avenue; project to include installation of electric outlet at each tree for lighting. Anticipate DDA funds to cover one-third of project cost; private donations and grant funds will be sought.	Project will include first two years of maintenance for new trees - reduction in maintenance costs for tree trimming, tree removal and replacement.
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.

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Record #	Department	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
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.
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 is nearing the end of its projected life span. It was originally purchased in 1997, and it is now 14 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 engage 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.
259	Water	Replace Existing Heaters in Water Treatment Plant	2	Replace existing electric heaters with forced air gas heaters in Water Treatment Plant. As recommended by the facilities review.	Reduction in electric use and increased heat in Water Plant
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.
261	Water	Replace Existing 4" Water Main at WW Treatment Plant	2	Replace existing 4" cast iron water main and services to WWTP and Progressive Dynamics. Hook them into Industrial Rd. As recommended in the 2008 Master Plan.	Reduction in maintenance to structure, increase in water quality and flow to Industrial Rd.
262	Water	Refurbish Well Houses 1-3	2	Refurbish Well House roofs and replace insulation on the walls in well houses 1-3. As recommended in the facilities review.	Reduction in maintenance and lower heating costs.

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Record #	Department	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
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.
264	Wastewater	Air Line Replacement at Wastewater Treatment Plant	1	Removal and replacement of 12" ductile iron air line from Blower Building to the Aeration Basin.	Replacing air line will make aeration of biomass more efficient due to lost air through leaks in the current pipe.
265	Wastewater	Return Activated Sludge Pumping Variable Frequency Drives	1	Remove and replace existing VFDs that have exceeded their useful life.	VFDs allow better control of return pumping rates resulting in more efficient plant operation as well as more efficient use of electricity.
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 purposed 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.
272	City Hall	Replacement of Air Conditioning Unit	2	City Hall is in need of two compressor units since one compressor is running too high on pressure.	It will cost more to fix the existing unit than to replace it.
273	City Hall	Interior Restoration, Painting & Flooring	4	Interior has cracks in plaster and peeling paint. Areas of floor need repair and replacement. Restoration is to keep building viable for office space.	Maintenance.
274	Chapel	Roof	1	Chapel roof has been leaking for quite some time causing major damage to ceiling. Roof replaced has historic detail and design.	Deter any further deterioration of the building which will increase maintenance costs.
275	PSB Operations	Ice Room/Shower Room Floor Repair	1	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.
276	PSB Operations	Exterior Maintenance	4	PSB exterior needs to be power washed and sealed to keep the concrete aesthetically pleasing.	Maintenance.
277	Parks	S. Ketchum Park Leveling	3	Project will complete the restoration effort in S. Ketchum Park where the old Mill Race once flowed.	No effect on operational revenues and expenditures anticipated.

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Record #	Department	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
278	Clerk-Treasurer	Financial Software for General Ledger, Payroll, Accounts Payable, Accounts Receivable, Bank Reconciliations, Budget and Dot Net System.	1	The City has used Fund Balance for approximately 15 years. The system is inadequate for our payroll/timesheet needs and has limitations in the accounts payable module and miscellaneous accounts receivable billing. In the last two year's audit reports, findings have been reported regarding our system's errors/limitations.	Annual technical support costs will decrease.
279	Streets	Allen Road Drainage Improvements	1	There has been an ongoing drainage issue at the corner of Allen and O'Keefe Road for some time. A study was conducted and determined that there is a deficiency in the drainage system. The proposed project will enlarge the sewer running from the intersection to East Drive where a trunkline sewer is already installed.	Reduction in maintenance cost.
280	Streets	Verona Road Drainage Improvements	2	There has been an ongoing drainage issue on Verona Road between Plum Street and West Drive. The proposed project will install a number of leach basins and re-grade some of the ditches to eliminate standing water on the road.	Reduction in maintenance cost.
282	Streets	Barricade Replacement	2	Replacement of traffic barricades and cones that are used for special events, maintenance, and construction.	None.
283	Streets	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.
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 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 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 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 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

City of Marshall

Capital Improvements Program Project Description

Record #	Department	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
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.
292	Electric	Web based GIS and Outage Management System	2	The system will be fully functional within existing ESRI map framework and be ready for immediate integration with the Mueller AMI system. The system will be scalable and capable of pulling in all other available and future layers and data sources.	Reduce the outage response time. Determines the connected load from an individual customer to the entire circuit. Can pinpoint back to what device (Breaker, Recloser, Fuse) the outage originates from. Can determine if a circuit is nearing an overload situation.
294	Downtown Development Authority	Market Study	1	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.
298	Marshall House	Replace Mechanical Room Doors and Frame	2	The current steel doors are original to the building and have exceeded their useful life. The door jams have rusted and are causing difficulties with normal operation.	Replacement will keep rodents, bugs and water from entering into building due to rusted frame and doors.
299	Marshall House	Replace Electrical Room Door and Frame	2	The current steel door is original to the building and has exceeded it useful life. The door jam has rusted and is causing difficulties with normal operation.	Replacement will keep rodents, bugs and water from entering into building due to rusted frame and door.
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.

City of Marshall

Capital Improvements Program Project Description

Record #	Department	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
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	Automated Meter Information 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	Automated Meter Information 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	Project Title	Priority Ranking	Project Narrative/Purpose	Impact on Operating Budget
311	Water	Automated Meter Information 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.
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.
313	Airport	Airport Layout Plan Update	2	Partial airport layout plan update to show tree clearing. Marshall is trimming trees that are obstructions.	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.

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	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
	Priority 1												
274	Chapel	Roof	1	30	General Fund	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
2	City Hall	Windows	1	30	General Fund	\$12,000	\$0	\$0	\$0	\$0	\$0	\$0	\$12,000
278	Clerk-Treasurer	Financial Software for General Ledger, Payroll, Accounts Payable, Accounts Receivable, Bank	1	10	Data Processing Fund	\$37,000	\$13,000	\$13,000	\$13,000	\$0	\$0	\$0	\$76,000
294	Downtown Development Authority	Market Study	1	5	DDA Fund 25%, General Fund 37.5%, Grant 37.5%	\$0	\$0	\$0	\$5,000	\$0	\$0	\$3,000	\$8,000
250	Downtown Development Authority	Michigan Avenue Tree Replacement Project - Downtown	1	30	DDA Fund-1/3/Grant Funds/Private Donations	\$25,000	\$0	\$0	\$0	\$0	\$0	\$109,000	\$134,000
25	Electric	Meter / Relay Calibration	1	3	Electric Fund	\$0	\$25,000	\$0	\$0	\$25,000	\$0	\$0	\$50,000
28	Electric	Power House Roof Repairs	1	25	Electric Fund	\$55,000	\$0	\$0	\$0	\$0	\$0	\$0	\$55,000
147	Electric	Breaker Maintenance	1	5	Electric Fund	\$0	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000
225	Electric	Station Battery Replacement	1	20	Electric Fund	\$17,500	\$0	\$0	\$0	\$0	\$0	\$0	\$17,500
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	\$55,000	\$0	\$0	\$0	\$0	\$165,000
223	Electric	Embankment Project	1	50	Electric Fund - Bond	\$805,000	\$0	\$0	\$0	\$0	\$0	\$0	\$805,000
229	Electric	Pole Replacement and Line Reconstruction	1	50	Electric Fund - Bond	\$75,000	\$75,000	\$80,000	\$80,000	\$80,000	\$0	\$0	\$390,000
153	Fire	Personal Alert Safety System (P.A.S.S. Device) Replacement	1	5	General Fund	\$0	\$0	\$0	\$12,250	\$0	\$0	\$0	\$12,250
220	Fire	Replace 5" Supply Line Fire Hose	1	20	General Fund	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$12,000
199	Fire	Fire Station and City Hall Renovations	1	50	General Fund - Voter Approved GO Bond	\$2,700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,700,000
76	Fire	Structural Fire Fighting Protective Clothing Purchase	1	10	General Fund or FEMA Grant with a 5% match	\$9,000	\$9,500	\$10,000	\$10,500	\$11,000	\$11,500	\$0	\$61,500
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 Vacancy Maintenance	1	5	Marshall House Fund	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$0	\$50,000
284	Motor Pool	DPW Roof and Wall Improvements	1	30	Motor Pool Fund 33%, General Fund 67%	\$10,667	\$0	\$0	\$0	\$0	\$0	\$0	\$10,667

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
207	Parks	Playground Ground Cover replacement	1	10	General fund	\$0	\$0	\$0	\$0	\$0	\$8,000	\$0	\$8,000
238	Police	Police Vehicle Change-over	1	10	General Fund	\$12,000	\$6,000	\$6,000	\$5,000	\$5,000	\$0	\$3,200	\$37,200
257	Police	Police Vehicle Video Equipment	1	5	General Fund	\$10,000	\$9,200	\$9,200	\$0	\$0	\$0	\$2,000	\$30,400
236	Police	Protective Vests	1	5	General Fund or Grant	\$0	\$0	\$4,000	\$5,000	\$0	\$0	\$0	\$9,000
275	PSB Operations	Ice Room/Shower Room Floor Repair	1	40	Department Cost Allocation - 55% Electric, 28% GF, 9% DART, 8% Water	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000
283	Streets	DPW Roof and Wall Improvements	1	30	General Fund 67%, Motor Pool 33%	\$21,333	\$0	\$0	\$0	\$0	\$0	\$0	\$21,333
198	Streets	Union Street Drainage Improvements	1	30	MVH Local Transfer - GO Bond	\$182,000	\$0	\$0	\$0	\$0	\$0	\$0	\$182,000
213	Streets	Drainage Improvements	1	20	MVH Local Transfer - GO Bond	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
279	Streets	Allen Road Drainage Improvements	1	30	MVH Local Transfer - GO Bond	\$148,000	\$0	\$0	\$0	\$0	\$0	\$0	\$148,000
281	Streets	Rice Creek Culvert Enlargement	1	30	MVH Local Transfer - GO Bond	\$180,000	\$0	\$0	\$0	\$0	\$0	\$0	\$180,000
210	Streets	W. Mansion Street Reconstruction and Hughes Street Rehabilitation	1	30	MVH Major - Bond	\$131,250	\$0	\$0	\$0	\$0	\$0	\$337,500	\$468,750
212	Streets	Street Sign Replacement	1	15	MVH Major 35%, MVH Local 65%	\$14,000	\$14,000	\$14,000	\$14,000	\$14,000	\$14,000	\$0	\$84,000
132	Wastewater	I & I Study (Inflow and Infiltration)	1	15	Wastewater Fund	\$0	\$0	\$0	\$0	\$0	\$65,000	\$0	\$65,000
45	Wastewater	4" Emergency By Pass Pump	1	15	Wastewater Fund - Bond (SRF)	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
134	Wastewater	Gear Box Replacement	1	20	Wastewater Fund - Bond (SRF)	\$60,000	\$0	\$0	\$0	\$0	\$0	\$0	\$60,000
241	Wastewater	New Driveway/Electric Gate	1	30	Wastewater Fund - Bond (SRF)	\$81,600	\$0	\$0	\$0	\$0	\$0	\$0	\$81,600
244	Wastewater	Wastewater SCADA Replacement	1	10	Wastewater Fund - Bond (SRF)	\$151,000	\$0	\$0	\$0	\$0	\$0	\$0	\$151,000
264	Wastewater	Air Line Replacement at Wastewater Treatment Plant	1	25	Wastewater Fund - Bond (SRF)	\$59,400	\$0	\$0	\$0	\$0	\$0	\$0	\$59,400
265	Wastewater	Return Activated Sludge Pumping Variable Frequency Drives	1	10	Wastewater Fund - Bond (SRF)	\$34,300	\$0	\$0	\$0	\$0	\$0	\$0	\$34,300
		TOTAL PRIORITY 1				\$5,163,294	\$401,944	\$355,444	\$258,994	\$249,244	\$202,744	\$454,700	\$7,086,364

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
	Priority 2												
202	Airport	AWOS replacement	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$1,500	\$0	\$0	\$0	\$0	\$58,500	\$60,000
204	Airport	Terminal Building Improvements	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$3,750	\$0	\$0	\$153,750	\$157,500
206	Airport	Taxistreet Rehabilitation	2	20	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$7,000	\$0	\$0	\$0	\$273,000	\$280,000
268	Airport	Runway Extension Environmental Study	2	30	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$0	\$2,500	\$0	\$97,500	\$100,000
270	Airport	Runway Extension justification study	2	30	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$0	\$0	\$0	\$625	\$0	\$24,375	\$25,000
269	Airport	Land Acquisition for Runway Extension	2	30	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$0	\$6,250	\$0	\$0	\$0	\$0	\$243,750	\$250,000
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	\$625	\$0	\$24,375	\$25,000
313	Airport	Airport Layout Plan Update	2	15	General Fund 2 1/2%, FAA Allocation 95%, State 2 1/2%	\$3,948	\$0	\$0	\$0	\$0	\$0	\$153,947	\$157,895
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	\$0	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$12,000
272	City Hall	Replacement of Air Conditioning Unit	2	20	General Fund	\$13,500	\$0	\$0	\$0	\$0	\$0	\$0	\$13,500
143	Downtown Development Authority	Parking Lot Pavement Repairs	2	5	DDA Fund 50%, General Fund 50%	\$23,225	\$0	\$0	\$0	\$0	\$0	\$0	\$23,225
19	Electric	Raceway/Dam Maintenance	2	20	Electric Fund	\$0	\$15,000	\$0	\$15,000	\$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
31	Electric	Upgrade Plant #1 House Power Panels	2	30	Electric Fund	\$7,500	\$7,500	\$0	\$0	\$0	\$0	\$0	\$15,000
46	Electric	Upgrade Engine Protection Systems #2 & #5	2	20	Electric Fund	\$0	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
49	Electric	Engine #3 & #6 gauge panel replacement	2	20	Electric Fund	\$0	\$80,000	\$80,000	\$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

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
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	\$0	\$40,000	\$0	\$0	\$0	\$0	\$0	\$40,000
171	Electric	Replace Protective Relaying - Transformers	2	20	Electric Fund	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000
172	Electric	Replace Protective Relaying - Distribution	2	20	Electric Fund	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
224	Electric	Remote Terminal Unit (RTU) Replacement @ Pearl Street Substation and Plant 2	2	10	Electric Fund	\$60,000	\$25,000	\$0	\$0	\$0	\$0	\$0	\$85,000
226	Electric	Distribution Stringing Blocks	2	50	Electric Fund	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000
227	Electric	Infrared Camera and Training	2	10	Electric Fund	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
288	Electric	Repair Blockhouse Walls	2	50	Electric Fund	\$0	\$0	\$6,000	\$0	\$0	\$0	\$0	\$6,000
289	Electric	Repair Brick (re-tuck joints & seal)	2	50	Electric Fund	\$0	\$0	\$0	\$0	\$40,000	\$40,000	\$0	\$80,000
290	Electric	Replace Windows	2	50	Electric Fund	\$0	\$95,333	\$95,333	\$95,334	\$0	\$0	\$0	\$286,000
291	Electric	Tree Removal/Replacement Program	2	50	Electric Fund	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$30,000
292	Electric	Web based GIS and Outage Management System	2	20	Electric Fund	\$47,500	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$0	\$77,500
314	Electric	Environmental Underground Clean-up at PSB Parking Lot	2	50	Electric Fund	\$165,000	\$0	\$0	\$0	\$0	\$0	\$0	\$165,000
222	Electric	NESHAP/ RICE Compliance	2	25	Electric Fund - Bond	\$251,000	\$124,000	\$0	\$0	\$0	\$0	\$0	\$375,000
256	Fire	Thermal Imaging Camera	2	10	General Fund	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
297	Marshall House	Resurface and Seal Parking Lot	2	4	Marshall House Fund	\$0	\$15,750	\$0	\$0	\$0	\$0	\$0	\$15,750
296	Marshall House	250,000 BTU High Efficiency Lochinvar Boilers	2	10	Marshall House Fund	\$0	\$0	\$21,160	\$0	\$0	\$0	\$0	\$21,160
298	Marshall House	Replace Mechanical Room Doors and Frame	2	30	Marshall House Fund	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
299	Marshall House	Replace Electrical Room Door and Frame	2	30	Marshall House Fund	\$2,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000
300	Marshall House	Replace Automatic Entrance Doors	2	20	Marshall House Fund	\$0	\$0	\$0	\$9,280	\$0	\$0	\$0	\$9,280
301	Marshall House	Replace Boiler Pumps	2	10	Marshall House Fund	\$0	\$0	\$0	\$4,350	\$0	\$0	\$0	\$4,350

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
302	Marshall House	Exterior Brick Power Cleaned, Joints Re-tucked and Preserved with Brick Sealant	2	4	Marshall House Fund	\$0	\$0	\$0	\$13,000	\$0	\$0	\$0	\$13,000
303	Marshall House	Renovation of Meeting Room Kitchen	2	20	Marshall House Fund	\$0	\$0	\$0	\$0	\$0	\$17,500	\$0	\$17,500
304	Marshall House	Renovation of Salon	2	20	Marshall House Fund	\$0	\$0	\$0	\$0	\$0	\$6,000	\$0	\$6,000
305	Marshall House	Replace Water Softeners	2	10	Marshall House Fund	\$0	\$0	\$0	\$0	\$0	\$8,600	\$0	\$8,600
306	Marshall House	Replace Water Heaters	2	10	Marshall House Fund	\$0	\$0	\$0	\$0	\$0	\$5,800	\$0	\$5,800
248	Motor Pool	Vehicle Lift with Support Jacks	2	20	Motor Pool & DART	\$0	\$40,000	\$0	\$0	\$0	\$0	\$0	\$40,000
251	Motor Pool	Diagnostic Software and Equipment	2	3	Motor Pool & DART	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000
286	Motor Pool	DPW Insulation	2	30	Motor Pool Fund 33%, General Fund 67%	\$0	\$0	\$0	\$4,000	\$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
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
55	Parks	Paving North Ketchum Park Parking Lot	2	20	General Fund 25%, Passport Grant 75%	\$6,250	\$0	\$0	\$0	\$0	\$0	\$18,750	\$25,000
183	Parks	North Ketchum Park Time Locks With New Doors	2	30	General Fund 25%, Passport Grant 75%	\$3,750	\$0	\$0	\$0	\$0	\$0	\$11,250	\$15,000
124	Parks	Brooks Nature Park Observation Deck	2	20	Special Projects Fund-Brooks Nature Project Fund Balance from 100% DNRE Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$41,000	\$41,000
180	Parks	Master Plan for Brooks Nature Park	2	10	Special Projects Fund-Brooks Nature Project Fund Balance from 100% DNRE Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000	\$7,000
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
77	Recreation	Seal Coating & Striping Athletic Field Parking Lot	2	5	General Fund	\$0	\$7,500	\$0	\$0	\$0	\$0	\$0	\$7,500
253	Recreation	Concrete Pads Under Spectator Bleachers	2	20	General Fund	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
254	Recreation	Replace Electronic Scoreboards, Diamond #1 & #2	2	15	General Fund	\$0	\$11,000	\$0	\$0	\$0	\$0	\$0	\$11,000
178	Streets	Storage Rack for Salt Spreaders and Dump Box Covers	2	30	General Fund	\$0	\$8,000	\$0	\$0	\$0	\$0	\$0	\$8,000
282	Streets	Barricade Replacement	2	10	General Fund	\$5,000	\$0	\$0	\$0	\$0	\$5,000	\$0	\$10,000
200	Streets	New Sidewalk Installation	2	25	General Fund	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$0	\$180,000

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
209	Streets	Local Street Rehabilitation	2	30	General Fund	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	\$0	\$1,320,000
287	Streets	Parking Lot Pavement Repairs	2	5	General Fund 50%, DDA 50%	\$23,225	\$0	\$0	\$0	\$0	\$0	\$0	\$23,225
285	Streets	DPW Insulation	2	30	General Fund 67%, Motor Pool 33%	\$0	\$0	\$0	\$8,000	\$0	\$0	\$0	\$8,000
280	Streets	Verona Road Drainage Improvements	2	30	MVH Local Transfer - GO Bond	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
211	Streets	North Drive and East Drive Rehabilitation	2	30	MVH Major 26% - Bond, MDOT Grant 74%	\$0	\$0	\$131,250	\$0	\$0	\$0	\$375,000	\$506,250
67	Streets	Bridge Replacement-Marshall Ave @ Kalamazoo River	2	30	MVH Major 6% - Bond, MDOT Grant 94%	\$0	\$0	\$65,000	\$0	\$0	\$0	\$1,011,750	\$1,076,750
56	Streets	Bridge Replacement-Monroe Street @ Rice Creek	2	30	MVH Major 8% - Bond, MDOT Grant 92%	\$0	\$0	\$37,500	\$0	\$0	\$0	\$443,650	\$481,150
266	Wastewater	Wastewater Plant Brick Restoration	2	25	Wastewater Fund	\$0	\$0	\$20,000	\$0	\$0	\$0	\$0	\$20,000
11	Wastewater	Primary Sludge Pump	2	20	Wastewater Fund - Bond (SRF)	\$57,700		\$0	\$0	\$0	\$0	\$0	\$57,700
34	Wastewater	Raw Sludge Tank Mixer	2	20	Wastewater Fund - Bond (SRF)	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$30,000
51	Wastewater	Valve Replacement	2	30	Wastewater Fund - Bond (SRF)	\$41,700	\$0	\$0	\$0	\$0	\$0	\$0	\$41,700
68	Wastewater	Replace High School Lift Station	2	25	Wastewater Fund - Bond (SRF)	\$327,000	\$0	\$0	\$0	\$0	\$0	\$0	\$327,000
69	Wastewater	Replace Industrial Park Lift Station	2	25	Wastewater Fund - Bond (SRF)	\$338,000	\$0	\$0	\$0	\$0	\$0	\$0	\$338,000
157	Wastewater	Crack Sealing and Seal Coating WWTP Drive	2	10	Wastewater Fund - Bond (SRF)	\$27,500	\$0	\$0	\$0	\$0	\$0	\$0	\$27,500
242	Wastewater	Stand-by Generator	2	30	Wastewater Fund - Bond (SRF)	\$275,000	\$0	\$0	\$0	\$0	\$0	\$0	\$275,000
243	Wastewater	In-line Muffin Monster Exchange	2	5	Wastewater Fund - Bond (SRF)	\$16,300	\$0	\$0	\$0	\$0	\$0	\$0	\$16,300
259	Water	Replace Existing Heaters in Water Treatment Plant	2	25	Water Fund	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
262	Water	Refurbish Well Houses 1-3	2	20	Water Fund	\$9,000	\$0	\$0	\$0	\$0	\$0	\$0	\$9,000
258	Water	Replace Water Main on S. Marshall	2	30	Water Fund - Bond	\$0	\$0	\$0	\$0	\$585,000	\$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	\$0	\$329,000	\$0	\$0	\$329,000
261	Water	Replace Existing 4" Water Main at WW Treatment Plant	2	30	Water Fund - Bond	\$0	\$65,000	\$0	\$0	\$0	\$0	\$0	\$65,000

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
263	Water	New Garage at Water Treatment Plant	2	30	Water Fund	\$0	\$0	\$0	\$40,000	\$0	\$0	\$0	\$40,000
		TOTAL PRIORITY 2				\$2,291,598	\$1,233,833	\$730,243	\$453,714	\$1,218,750	\$343,900	\$4,185,097	\$10,457,135
	Priority 3												
40	Cemetery	Cemetery Road Paving Project	3	20	Cemetery Trust Fund	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$0	\$0	\$40,000
271	City Hall	Exterior Restoration	3	30	80% Byways Grant (with tourism connection), 20% Building Authority Bond (Fire/City Hall Renovation Bond)	\$0	\$0	\$0	\$0	\$9,500	\$9,500	\$76,000	\$95,000
14	Electric	Recondition #1 Hydro	3	30	Electric Fund	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000
47	Electric	Recondition #3 Hydro	3	30	Electric Fund	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
64	Electric	Rewind Generator #2	3	30	Electric Fund - Bond	\$0	\$0	\$132,000	\$0	\$0	\$0	\$0	\$132,000
72	Electric	Rewind Generator #5	3	30	Electric Fund - Bond	\$0	\$0	\$0	\$145,000	\$0	\$0	\$0	\$145,000
165	Electric	Pearl Street Substation Upgrade	3	25	Electric Fund - Bond	\$0	\$2,000,000	\$3,000,000	\$0	\$0	\$0	\$0	\$5,000,000
228	Electric	Circuit Upgrade	3	50	Electric Fund - Bond	\$1,000,000	\$0	\$0	\$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	\$0	\$400,000	\$0	\$0	\$0	\$400,000
233	Electric	Sherman Drive/Wright Lane Upgrade	3	30	Electric Fund - Bond	\$0	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$3,000,000
235	Electric	Stuart Lake Circuit Underground Upgrade	3	30	Electric Fund - Bond	\$800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$800,000
309	Electric	Automated Meter Information Project	3	20	Electric Fund - Bond or Installment Purchase Contract (Electric 50%, Wastewater 25%, Water 25%)	\$534,275	\$0	\$0	\$0	\$0	\$0	\$0	\$534,275
277	Parks	S. Ketchum Park Leveling	3	10	General fund	\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000
174	Parks	Ketchum Park Restroom Near Kids Kingdom	3	25	General Fund	\$0	\$0	\$0	\$88,000	\$0	\$0	\$0	\$88,000
191	Parks	South Ketchum Parking Lot Expansion	3	15	General Fund	\$0	\$0	\$0	\$52,000	\$0	\$0	\$0	\$52,000
193	Parks	Phase I Riverfront Park Development	3	100	General Fund 50% and DNR Grant 50%	\$0	\$0	\$0	\$0	\$37,500	\$0	\$37,500	\$75,000
82	Recreation	Athletic Field Sign	3	20	General Fund	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$5,000
255	Recreation	Dug-Outs, Diamond #3 & #4	3	25	General Fund	\$0	\$0	\$0	\$12,544	\$12,544	\$0	\$0	\$25,088

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
41	Streets	Sidewalk Ramp Installation	3	50	General Fund	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$60,000
52	Wastewater	Electrical Controls Replacement	3	30	Wastewater Fund - Bond (SRF)	\$232,500	\$0	\$0	\$0	\$0	\$0	\$0	\$232,500
310	Wastewater	Automated Meter Information Project	3	20	Wastewater Fund - Bond or Installment Purchase Contract (Electric 50%, Wastewater 25%, Water 25%)	\$267,138	\$0	\$0	\$0	\$0	\$0	\$0	\$267,138
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 - Bond	\$0	\$45,000	\$0	\$0	\$0	\$0	\$0	\$45,000
311	Water	Automated Meter Information Project	3	20	Water Fund - Bond or Installment Purchase Contract (Electric 50%, Wastewater 25%, Water 25%)	\$267,138	\$0	\$0	\$0	\$0	\$0	\$0	\$267,138
217	Water	Build New Treatment Plant at Well #5 Site. S. Kalamazoo behind Moonraker	3	50	Water Fund - Bond	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000
		TOTAL PRIORITY 3				\$3,166,051	\$5,140,000	\$3,332,000	\$717,544	\$69,544	\$1,019,500	\$113,500	\$13,558,139
	Priority 4												
273	City Hall	Interior Restoration, Painting & Flooring	4	15	Building Authority Bond (Fire/City Hall Renovation Bond)	\$0	\$0	\$35,000	\$35,000	\$0	\$0	\$0	\$70,000
252	Dart	Bus Replacement	4	7	100% Fed/State Grant	\$0	\$0	\$0	\$85,000	\$88,000	\$91,000	\$0	\$264,000
293	Downtown Development Authority	Farmers Market Pavilion	4	25	General Fund 10%, Grant 90%	\$0	\$0	\$0	\$0	\$0	\$35,000	\$315,000	\$350,000
295	Downtown Development Authority	Downtown Place-Finding Signage	4	20	Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$75,000
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	\$0	\$200,000	\$0	\$0	\$0	\$200,000
192	Parks	Sherman Court Pond Nature Trail	4	20	General Fund	\$0	\$5,000	\$5,000	\$5,000	\$0	\$0	\$0	\$15,000
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
175	Parks	Ketchum Park Parking & Access	4	20	General Fund and DNR Grants	\$0	\$0	\$0	\$40,000	\$0	\$0	\$0	\$40,000
239	Police	Police Protective Shelter / Equipment Storage	4	20	General Fund	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$5,000
237	Police	Forensic Equipment	4	15	General Fund or Grant	\$0	\$9,500	\$0	\$0	\$0	\$0	\$0	\$9,500
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	\$0	\$15,000	\$0	\$15,000

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

Record #	Department	Project Title	Priority Ranking	Estimated Useful Life	Source of Funding	2012-2013 Expenditure	2013-2014 Expenditure	2014-2015 Expenditure	2015-2016 Expenditure	2016-2017 Expenditure	2017-2018 Expenditure	Trade In or Grant Share	Total Expenditure
276	PSB Operations	Exterior Maintenance	4	10	Department Cost Allocation - 55% Electric, 28% GF, 9% DART, 8% Water	\$0	\$0	\$6,500	\$0	\$0	\$0	\$0	\$6,500
122	Recreation	Dug Outs	4	10	General Fund	\$0	\$0	\$0	\$0	\$0	\$25,088	\$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
267	Wastewater	Septage Receiving Station	4	20	Wastewater Fund - Bond	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000
		TOTAL PRIORITY 4				\$0	\$139,500	\$101,500	\$415,000	\$88,000	\$1,466,088	\$615,000	\$2,825,088

City of Marshall, Michigan
FY2013 - FY2018 Capital Improvement Program
Proposed Financing Plan for All Priorities by Revenue Source

	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Grants/Trade In/Other	Total
General Fund Revenue	\$333,506	\$575,450	\$97,200	\$282,044	\$109,794	\$424,588	\$2,879,397	\$4,701,979
General Fund Transfer to MVH Local - Roads	220,000	220,000	220,000	220,000	220,000	220,000	-	1,320,000
General Fund - Voter Approved GO Bond	2,700,000	-	35,000	35,000	9,500	9,500	76,000	2,865,000
Public Svcs. Building - Dept. Allocations	7,000	-	6,500	-	-	15,000	-	28,500
Special Projects - Brooks Nature Grant	-	-	-	-	-	-	58,000	58,000
MVH Major 35%, MVH Local 65% Revenue	14,000	14,000	14,000	14,000	14,000	14,000	-	84,000
MVH Major - Bond	131,250	-	233,750	-	-	-	2,167,900	2,532,900
MVH Local Transfer for Bond Repayment	545,000	-	-	-	-	-	-	545,000
Cemetery Trust Revenue	55,000	10,000	10,000	10,000	-	-	-	85,000
Downtown Development Auth. Revenue	48,225	-	-	5,000	-	-	187,000	240,225
Marshall House Revenue	17,000	25,750	31,160	36,630	10,000	37,900	-	158,440
Marshall House - HUD Replacement Reserve	104,244	104,244	104,244	104,244	104,244	104,244	-	625,464
Electric Revenue	596,500	603,833	422,333	171,334	76,000	51,000	-	1,921,000
Electric Bond	3,465,275	5,199,000	3,212,000	825,000	80,000	-	-	12,781,275
Wastewater Revenue	-	-	20,000	-	-	65,000	-	85,000
Wastewater Bond	2,049,138	-	-	-	-	1,000,000	-	3,049,138
Water Revenue	14,000	-	100,000	40,000	-	-	-	154,000
Water Bond	267,138	110,000	-	-	914,000	1,000,000	-	2,291,138
DART - Buses 100% Federal Grant	-	-	-	85,000	88,000	91,000	-	264,000
Data Processing	37,000	13,000	13,000	13,000	-	-	-	76,000
Motor Pool	16,667	40,000	-	4,000	-	-	-	60,667
	<u>\$ 10,620,943</u>	<u>\$ 6,915,277</u>	<u>\$ 4,519,187</u>	<u>\$ 1,845,252</u>	<u>\$ 1,625,538</u>	<u>\$ 3,032,232</u>	<u>\$ 5,368,297</u>	<u>\$ 33,926,726</u>

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***	Installment Purchase	Total
2012	263,250	14,753	145,375	57,653	168,046	152,290	254,420	545,862	29,906	1,631,553
2013	261,875	19,365	144,478	61,333	128,230	153,025	263,359	540,554	29,906	1,602,124
2014	265,313	18,765	143,220	64,758	130,030	153,588	264,558	536,180	29,905	1,606,316
2015	263,468	18,165		62,918	126,715	153,780	258,766	527,459		1,411,270
2016	266,438	17,550		66,038	123,400	153,645	269,264	522,006		1,418,340
2017	352,938	16,935		68,878	125,085	158,215	160,633	453,687		1,336,370
2018	365,400	16,320		71,428	121,575	157,325	158,398	445,872		1,336,318
2019	376,800	15,660		73,678	117,795	156,135	152,746	430,784		1,323,598
2020	468,000			75,678	114,015	154,815	143,667	218,908		1,175,083
2021				77,395	115,235	60,630		144,525		397,785
2022				78,825	111,245	58,718		144,755		393,543
2023					107,255	61,805		154,680		323,740
2024					103,170	59,680		148,890		311,740
2025					99,085	62,480		102,950		264,515
2026						60,060		103,870		163,930
2027						62,640		104,535		167,175
2028								104,945		104,945
2029								105,100		105,100
<hr/>										
	\$ 2,883,480	\$ 137,513	\$ 433,073	\$ 758,578	\$ 1,690,881	\$ 1,818,830	\$ 1,925,811	\$ 5,335,562	\$ 89,717	\$ 15,073,443

Percent Amortized Within Ten Years	100.00%	100.00%	100.00%	79.41%	68.30%	76.58%	100.00%	79.12%	100.00%	85.19%	>=50%
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*Does not include parking structure lease payments

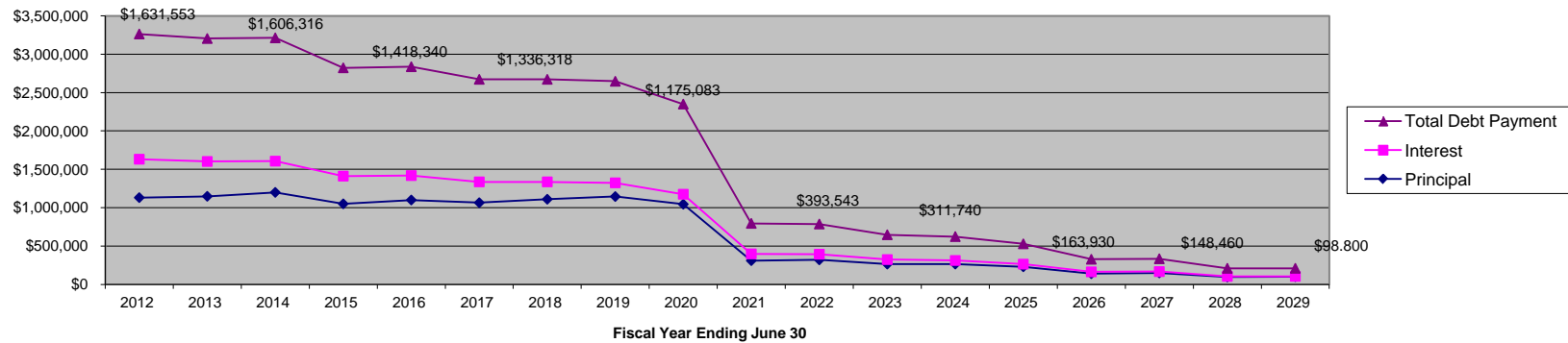
Legal Debt Margin:

Pursuant to the statutory and constitutional debt provisions, the following table reflects the amount of additional debt the City may legally incur as of June 30, 2012.

Debt Limit (1)		\$ 25,556,000
Debt Outstanding	\$ 13,076,232	
Less: Exempt Debt	\$ 2,466,232	\$ 10,610,000
Legal Debt Margin		\$ 14,946,000

(1) 10% of \$255,559,999, which is the City's Total SEV for the fiscal year ending June 30, 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

