

City of Marshall, Michigan
Capital Improvements Program
July 1, 2008 Through June 30, 2014

Council Members

Bruce Smith, Mayor

James Dyer, Council Member Ward 1
Mike Kinter, Council Member Ward 2
Brent Williams, Council Member Ward 3
Matt Glaser, Council Member Ward 4
Luanne Miller, Council Member Ward 5
Ron Goodwin, Council Member At Large

City Administration

Christopher Olson, City Manager
Tracy Hovarter, Clerk-Treasurer
Michael Olson, Director of Public Safety
Tom Tarkiewicz, Director of Utilities and Infrastructure

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**July 1, 2008 to June 30, 2014
City of Marshall
Update to Capital Improvements Program
Schedule**

<u>Date</u>	<u>Activity</u>
September 12, 2007	Meet with Directors and Department Heads to discuss CIP update process. Distribute materials for actual CIP update.
September 12, 2007 – September 28, 2007	Department Heads work on updates to CIP; submit to Finance Department on or before September 28.
October 1, 2007 – October 12, 2007	Preliminary CIP document assembled by Finance Department based on detail submitted by Department heads.
October 15, 2007 – October 19, 2007	Preliminary CIP document reviewed by City Manager and Finance Director.
October 22, 2007 – October 26, 2007	Draft CIP reviewed by City Manager and Directors.
November 14, 2007	Draft CIP distributed to City Council and Planning Commission.
November 14, 2007	Planning Commission sets public hearing
December 12, 2007	Joint work session with City Council and Planning Commission to review draft CIP (PSB training room).
December 12, 2007	Planning Commission holds public hearing on CIP and submits formal recommendation to City Council.
January 7, 2008	Council receives CIP as recommended by Planning Commission and schedules public hearing for January 21, 2008.
January 21, 2008	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 provide 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 (Marshall Area in Focus: 2007)
- 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, as it is essential, partially completed, meets an emergency situation or the City is committed by contractual arrangement. Only essential projects should be so classified.
- Priority 2: Project should be carried out within a few years to meet anticipated needs of a current program, to replace unsatisfactory facilities, or to maintain the agency program at current level of performance.
- Priority 3: Project is needed for the expansion of a program or facility; however, the project can wait until funds become available.
- Priority 4: Project identified as ideal for operations but cannot yet be recommended for action. Can safely be deferred beyond the third (3rd) year of the six (6) year projection.

Prior projects already identified in the CIP should be thoroughly reviewed. Make certain that cost projections are updated. Make priority changes when necessary. 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/2008-2014 CIP/CIP New Project Request Form.

It will be of the utmost importance that purpose of each project is detailed and complete. The project should be linked to the vision process and SMART outcomes and goals established through this process.

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.

**City of Marshall, Michigan
2008/09 - 2013/14 Capital Improvement Program
Proposed Capital Costs by Fund--All Priorities**

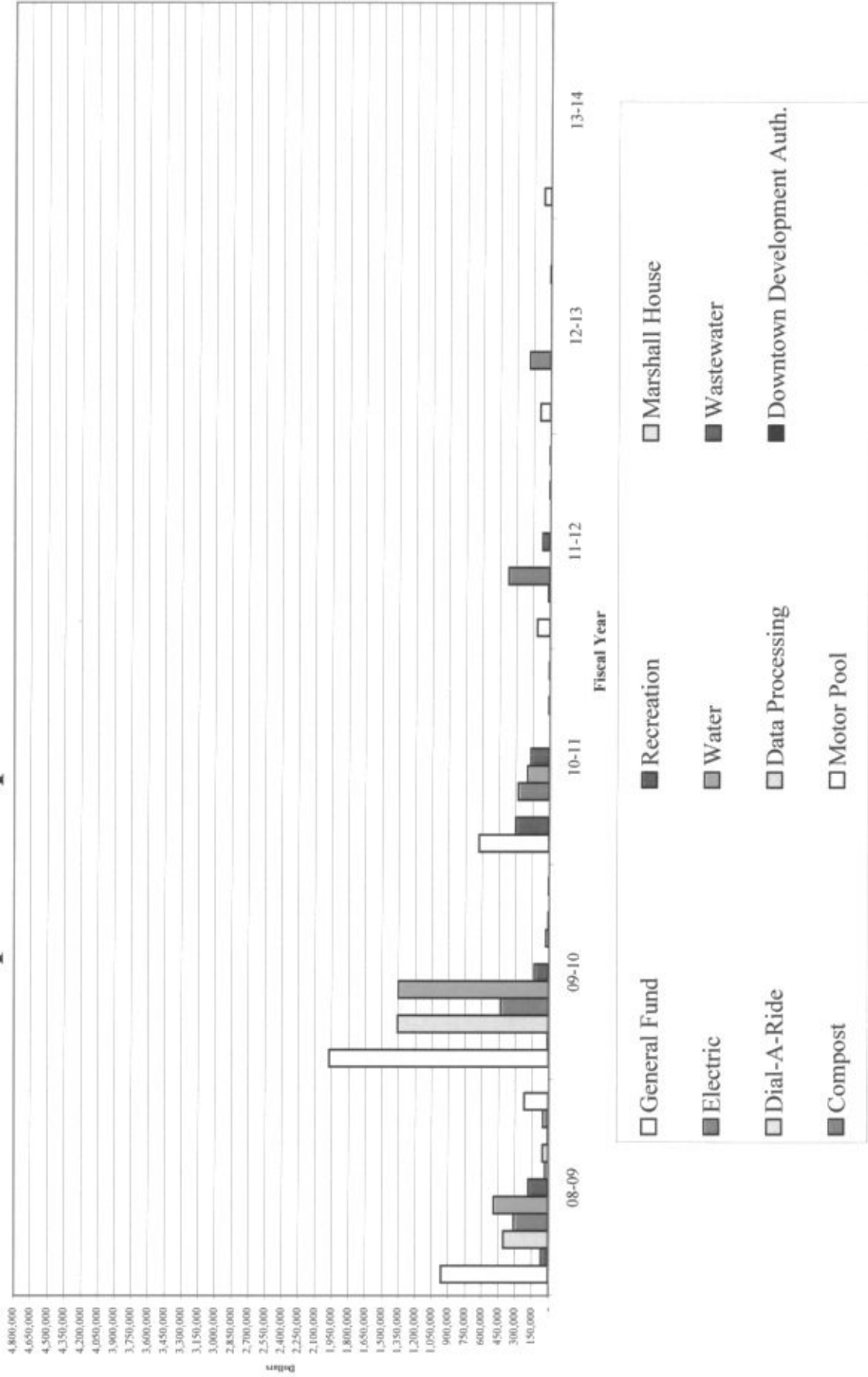
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	Total	Grants/Trade In/Other
General Fund	\$ 963,483	\$ 1,973,425	\$ 627,500	\$ 110,500	\$ 90,000	\$ 60,500	\$ 3,825,408	\$ 2,612,875
MVH--Major & Local	\$ 795,800	\$ 470,750	\$ 330,000	\$ 265,000	\$ 295,000	\$ 280,000	\$ 2,436,550	\$ 1,439,250
Recreation	64,700	8,400	300,000	-	-	7,500	\$ 380,600	-
Compost Center	50,000	-	-	-	-	-	\$ 50,000	-
Downtown Development Auth.	5,000	5,000	5,000	5,000	5,000	-	\$ 25,000	-
Marshall House	405,500	1,356,200	-	12,862	-	-	\$ 1,774,562	-
Electric	308,700	429,500	277,500	368,500	185,000	165,000	\$ 1,734,200	-
Wastewater	180,000	130,000	165,000	65,000	-	-	\$ 540,000	-
Water	491,500	1,350,000	195,000	-	-	-	\$ 2,036,500	350,000
Dial-A-Ride*	30,000	-	-	-	-	-	\$ 30,000	270,000
Data Processing	51,603	23,603	-	-	-	-	\$ 75,206	-
Motor Pool	218,000	2,200	2,200	2,200	-	-	\$ 224,600	-
	\$ 3,564,286	\$ 5,749,078	\$ 1,902,200	\$ 829,062	\$ 575,000	\$ 513,000	\$ 13,132,626	\$ 4,672,125

Note: Includes all priorities

*Dial-A-Ride capital projects fully funded through state and federal capital grants

\$17,804,751

Proposed Capital Costs - All Priorities

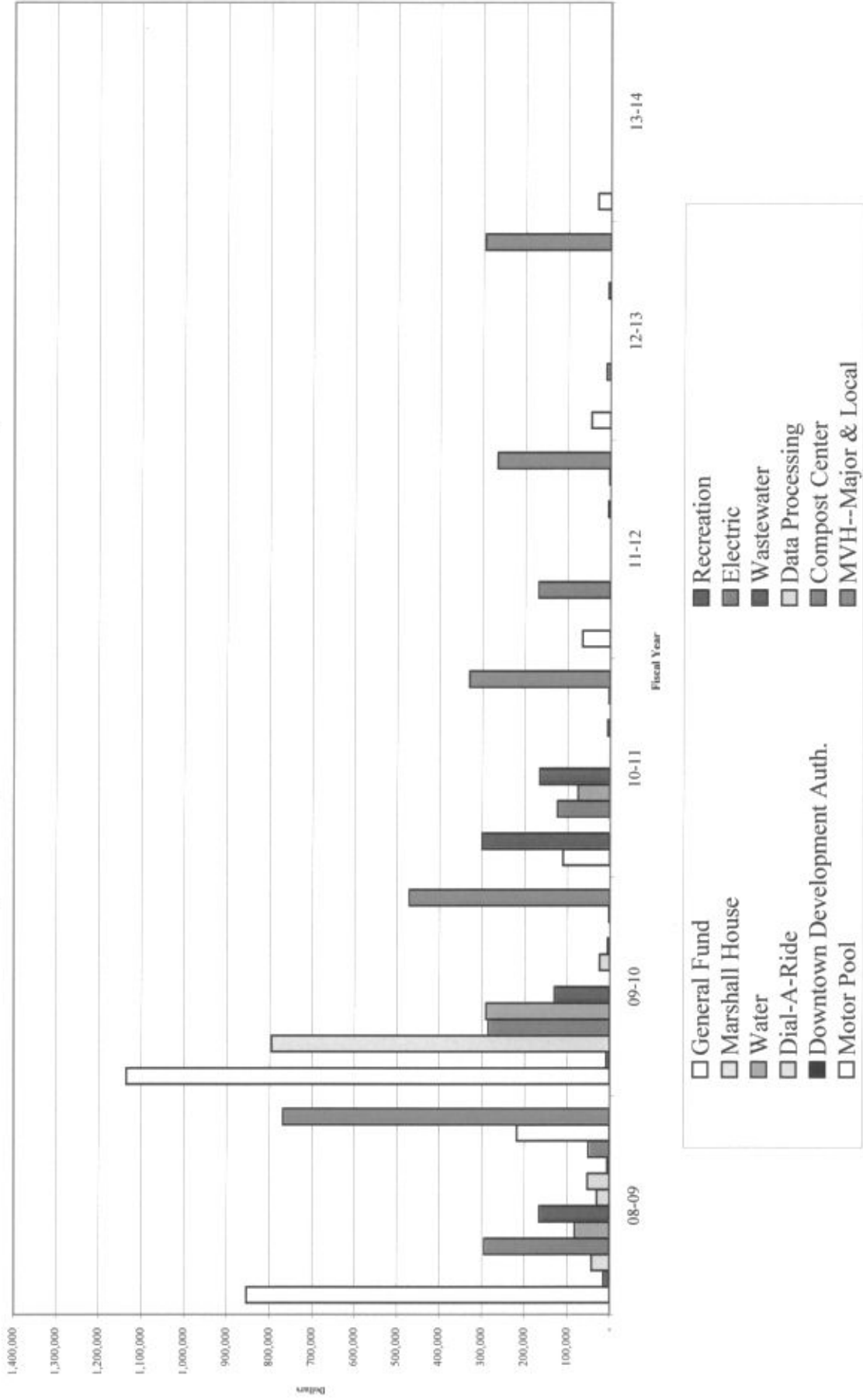


**City of Marshall, Michigan
2008-2014 Capital Improvement Program
Proposed Capital Costs by Fund--Priority 1 & 2 Only**

	08-09	09-10	10-11	11-12	12-13	13-14	Total
General Fund	\$ 852,983	\$ 1,134,800	\$ 110,500	\$ 65,500	\$ 45,000	\$ 30,500	\$ 2,239,283
MVH--Major & Local	\$ 767,800	\$ 470,750	\$ 330,000	\$ 265,000	\$ 295,000	\$ 280,000	\$ 2,408,550
Recreation	\$ 14,000	\$ 8,400	\$ 300,000	\$ -	\$ -	\$ 7,500	\$ 329,900
Downtown Development	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ -	\$ 25,000
Marshall House	\$ 42,000	\$ 795,000	\$ -	\$ -	\$ -	\$ -	\$ 837,000
Electric	\$ 293,700	\$ 285,000	\$ 123,500	\$ 168,500	\$ 10,000	\$ 15,000	\$ 895,700
Wastewater	\$ 165,000	\$ 130,000	\$ 165,000	\$ -	\$ -	\$ -	\$ 460,000
Water	\$ 81,500	\$ 290,000	\$ 75,000	\$ -	\$ -	\$ -	\$ 446,500
Dial-A-Ride	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
Compost Center	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Data Processing	\$ 51,603	\$ 23,603	\$ -	\$ -	\$ -	\$ -	\$ 75,206
Motor Pool	\$ 218,000	\$ 2,200	\$ 2,200	\$ 2,200	\$ -	\$ -	\$ 224,600
	\$ 2,571,586	\$ 3,144,753	\$ 1,111,200	\$ 506,200	\$ 355,000	\$ 333,000	\$ 8,021,739

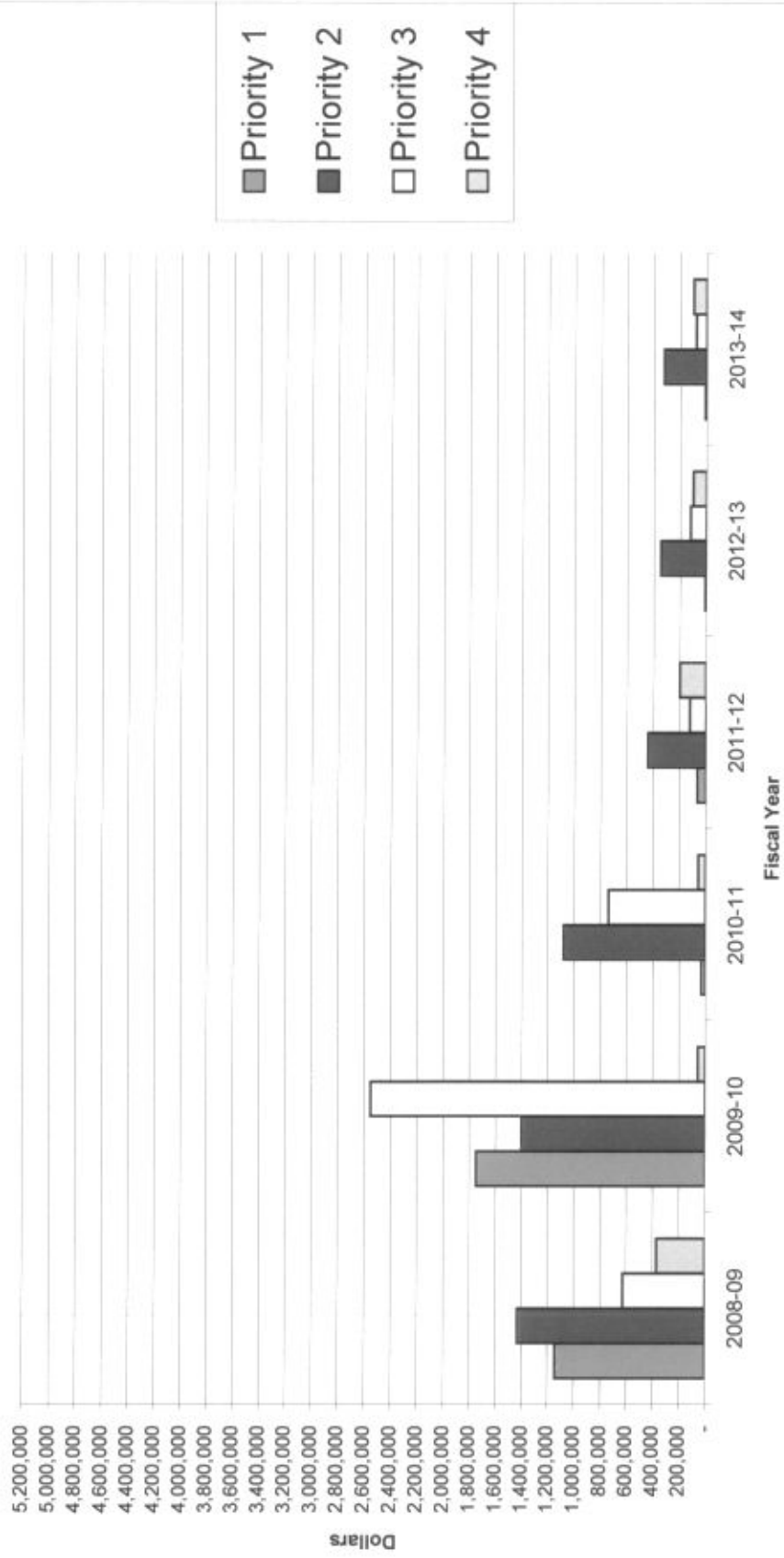
CIP Expenditures by Fund - Chart

Proposed Capital Costs - Priorities 1 & 2 Only



CIP Expenditures by Priority - Chart

Proposed Capital Costs By Priority



**City of Marshall, Michigan
2008/09 - 2013/14 Capital Improvement Program
Proposed Financing Plan for All Priorities by Revenue Source**

	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	Grants/Trade In/Other	Total
General Fund Revenue	\$ 963,483	\$ 1,973,425	\$ 627,500	\$ 110,500	\$ 90,000	\$ 60,500	\$ 2,327,875	\$ 6,153,283
MVH-Major & Local	150,000	210,000	330,000	265,000	295,000	280,000	-	\$ 1,530,000
G.O. Bond (GF & MVH projects combined)	645,800	260,750	-	-	-	-	1,724,250	\$ 2,630,800
Recreation Revenue	64,700	8,400	-	-	-	7,500	-	\$ 80,600
Recreation Fund - G.O. Bond	-	-	300,000	-	-	-	-	\$ 300,000
Downtown Development Auth., Revenue	5,000	5,000	5,000	5,000	5,000	-	-	\$ 25,000
Marshall House Replacement Reserve	42,000	-	-	12,862	-	-	-	\$ 54,862
Marshall House - G.O. Bond	363,500	1,356,200	-	-	-	-	-	\$ 1,719,700
Electric Revenue	308,700	229,500	277,500	368,500	185,000	165,000	-	\$ 1,534,200
Electric Revenue Bond	-	200,000	-	-	-	-	-	\$ 200,000
Waste Water Revenue	180,000	130,000	165,000	65,000	-	-	-	\$ 540,000
Waste Water Revenue Bond	-	-	-	-	-	-	-	\$ -
Water Revenue	491,500	450,000	195,000	-	-	-	350,000	\$ 1,486,500
Water Revenue Bond	-	900,000	-	-	-	-	-	\$ 900,000
Dial-A-Ride	30,000	-	-	-	-	-	-	\$ 30,000
Compost Center	50,000	-	-	-	-	-	270,000	\$ 300,000
Data Processing	51,603	23,603	-	-	-	-	-	\$ 75,206
Motor Pool	218,000	2,200	2,200	2,200	-	-	-	\$ 224,600
	\$ 3,564,286	\$ 5,749,078	\$ 1,902,200	\$ 829,062	\$ 575,000	\$ 513,000	\$ 4,672,125	\$ 17,804,751

Note: Includes all priorities

**City of Marshall, Michigan
General Fund Six-Year Projection of New Capital Financing Potential
Cumulative Effect of Priority 1 and Priority 2 Projects**

General Fund Item	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	Actual	Actual	Budgeted	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Operating Revenue	\$ 4,772,493	\$ 5,288,836	\$ 5,085,963	\$ 4,980,890	\$ 5,080,508	\$ 5,182,118	\$ 5,285,760	\$ 5,391,476	\$ 5,499,305	\$ 5,609,291
Operating Expenditures	(4,736,693)	(4,752,680)	(5,538,095)	(5,003,283)	(5,103,349)	(5,205,416)	(5,309,524)	(5,415,714)	(5,524,029)	(5,634,509)
Net capital financing potential	\$ 35,800	\$ 536,156	\$ (452,132)	\$ (22,393)	\$ (22,841)	\$ (23,298)	\$ (23,764)	\$ (24,239)	\$ (24,724)	\$ (25,218)
<i>Capital Improvements / Proposed CIP Priority 1</i>										
Addition to (Use of) fund balance	58,848	100,587	317,300	119,200	660,483	933,300	16,500	24,500	10,000	10,500
Available Fund Balance after Priority 1 projects	(23,048)	435,569	(769,432)	(141,593)	(683,324)	(956,598)	(40,264)	(48,739)	(34,724)	(35,718)
Available Fund Balance as % of Oper. Expenditures	1,059,779	1,235,394	465,962	324,369	(358,955)	(1,508,053)	(1,749,816)	(1,892,555)	(1,968,279)	(2,038,997)
	22.37%	25.99%	8.41%	6.48%	-7.03%	-28.97%	-32.96%	-34.95%	-35.63%	-36.19%
<i>Proposed CIP Priority 2</i>										
Addition to (Use of) fund balance	(23,048)	435,569	(769,432)	(141,593)	192,500	201,500	94,000	41,000	35,000	20,000
Available Fund Balance after Priority 2 projects	1,059,779	1,235,394	465,962	324,369	(875,824)	(1,158,098)	(1,342,264)	(89,739)	(69,724)	(55,718)
Available Fund Balance as % of Oper. Expenditures	22.37%	25.99%	8.41%	6.48%	(551,455)	(1,709,553)	(1,843,816)	(1,933,555)	(2,003,279)	(2,058,997)
					-10.81%	-32.84%	-34.73%	-35.70%	-36.26%	-36.54%

Notes:
 Operating revenues include operating transfers in.
 Operating expenditures includes operating transfers out.
 Revenues and expenditures for 2007-08 adjusted based on known and anticipated changes; assumes 2 percent growth in revenue and expenditures beginning with 2008-09.
 Working capital and all other fund balance reserves not included in "available fund balance."
 Projects anticipated to be funded through a debt issue are not included in "Proposed CIP" amounts shown above.

City of Marshall - Motor Vehicle Highway--Major & Trunkline
 MVH--Major & Trunkline Operating Cash Flow Projection
 Fiscal Years Ended or Ending June 30, 2005 through 2014

Dept No.	2004-05 Actual	2005-06 Actual	2006-07 Budget	2007-08 Projected	2008-09 Projected	2009-10 Projected	2010-11 Projected	2011-12 Projected	2012-13 Projected	2013-14 Projected
Revenues										
State--Major	\$ 357,587	\$ 364,028	\$ 369,878	\$ 358,785	\$ 362,373	\$ 365,997	\$ 369,657	\$ 373,354	\$ 377,088	\$ 380,859
State--Trunkline	59,241	49,920	56,366	54,815	55,363	55,917	56,476	57,041	57,611	58,187
Interest	3,328	7,859	7,500	10,000	7,500	7,500	7,500	7,500	7,500	7,500
Contributions From Other Sources	618,223	-	-	-	-	-	-	-	-	-
Transfers In	5,955	-	103,000	-	-	-	-	-	-	-
	<u>\$ 1,044,334</u>	<u>\$ 421,806</u>	<u>\$ 536,744</u>	<u>\$ 423,600</u>	<u>\$ 425,236</u>	<u>\$ 429,414</u>	<u>\$ 433,633</u>	<u>\$ 437,895</u>	<u>\$ 442,199</u>	<u>\$ 446,546</u>
Expenditures										
463 Street Maintenance	59,205	64,686	69,780	76,791	-	-	-	-	-	-
470 Bridge Maintenance	11,165	(7,515)	-	1,000	-	-	-	-	-	-
474 Traffic Services	3,694	6,582	10,044	7,325	-	-	-	-	-	-
476 Traffic Signals	1,519	1,457	1,800	1,800	-	-	-	-	-	-
477 Pavement Marking	-	-	-	-	-	-	-	-	-	-
480 Winter Maintenance	29,297	19,241	33,928	28,643	-	-	-	-	-	-
486 Trunkline	56,043	32,364	56,366	54,815	-	-	-	-	-	-
539 Administration	836,523	233,272	259,225	192,671	-	-	-	-	-	-
Estimated Debt Service for CIP projects*	-	-	-	-	33,552	33,552	33,552	33,552	33,552	33,552
Total Operating/Maintenance Expenditures:	\$ 997,446	\$ 350,086	\$ 431,143	\$ 363,045	\$ 407,488	\$ 418,706	\$ 430,261	\$ 442,162	\$ 454,420	\$ 467,046
Capital Outlay/Proposed CIP**	42,653	111,255	188,089	33,000	110,800	50,757	134,484	31,458	125,000	125,000
GRAND TOTAL-ALL EXPENDITURES	<u>\$ 1,040,099</u>	<u>\$ 461,341</u>	<u>\$ 619,232</u>	<u>\$ 396,045</u>	<u>\$ 518,288</u>	<u>\$ 469,463</u>	<u>\$ 564,745</u>	<u>\$ 473,620</u>	<u>\$ 579,420</u>	<u>\$ 592,046</u>
Revenues Over/(Under) Expenditures	\$ 4,235	\$ (39,534)	\$ (82,488)	\$ 27,555	\$ (93,052)	\$ (40,049)	\$ (131,112)	\$ (35,725)	\$ (137,221)	\$ (145,500)
Beginning Fund Balance	\$ 198,841	\$ 191,912	\$ 152,378	\$ 69,890	\$ 97,445	\$ 4,393	\$ (35,656)	\$ (166,768)	\$ (202,493)	\$ (339,714)
Ending Fund Balance	\$ 203,076	\$ 152,378	\$ 69,890	\$ 97,445	\$ 4,393	\$ (35,656)	\$ (166,768)	\$ (202,493)	\$ (339,714)	\$ (485,214)

*CIP projects where the revenue source is from a G.O. bond issue are not included in the "Proposed CIP" amount shown on this spreadsheet

City of Marshall - Motor Vehicle Highway--Local Streets
 MVH--Local Operating Cash Flow Projection
 Fiscal Years Ended or Ending June 30, 2005 through 2014

Dept No.	2004-05 Actual	2005-06 Actual	2006-07 Budget	2007-08 Projected	2008-09 Projected	2009-10 Projected	2010-11 Projected	2011-12 Projected	2012-13 Projected	2013-14 Projected
Revenues										
State--Local	\$ 138,324	\$ 170,896	\$ 143,367	\$ 138,950	\$ 140,340	\$ 141,743	\$ 143,160	\$ 144,592	\$ 146,038	\$ 147,498
Interest	395	797	500	800	500	500	500	500	500	500
Contributions From Other Sources	-	-	-	-	-	-	-	-	-	-
Transfers In	64,000	67,966	92,400	18,214	-	-	-	-	-	-
	<u>\$ 202,719</u>	<u>\$ 239,659</u>	<u>\$ 236,267</u>	<u>\$ 157,964</u>	<u>\$ 140,840</u>	<u>\$ 142,243</u>	<u>\$ 143,660</u>	<u>\$ 145,092</u>	<u>\$ 146,538</u>	<u>\$ 147,998</u>
Expenditures										
Street Maintenance	463 101,340	98,938	104,678	113,131	-	-	-	-	-	-
Surface Maintenance	464 -	-	-	-	-	-	-	-	-	-
Traffic Services	474 2,624	1,894	5,550	5,710	-	-	-	-	-	-
Pavement Marking	477 -	-	-	-	-	-	-	-	-	-
Winter Maintenance	480 27,687	27,221	40,701	39,123	-	-	-	-	-	-
Estimated Debt Service for CIP projects*	-	-	-	-	59,648	59,648	59,648	59,648	59,648	59,648
Total Operating/Maintenance Expenditures:	\$ 131,651	\$ 128,053	\$ 150,929	\$ 157,964	\$ 222,351	\$ 227,232	\$ 232,260	\$ 237,438	\$ 242,772	\$ 248,266
Capital Outlay/Proposed CIP	900 72,268	67,966	85,101	48,640	169,365	193,725	127,092	217,413	125,000	125,000
GRAND TOTAL--ALL EXPENDITURES	<u>\$ 203,919</u>	<u>\$ 196,019</u>	<u>\$ 236,030</u>	<u>\$ 206,604</u>	<u>\$ 391,716</u>	<u>\$ 420,957</u>	<u>\$ 359,352</u>	<u>\$ 454,851</u>	<u>\$ 367,772</u>	<u>\$ 373,266</u>
Revenues Over/(Under) Expenditures	\$ (1,200)	\$ 43,640	\$ 237	\$ (48,640)	\$ (250,876)	\$ (278,714)	\$ (215,692)	\$ (309,759)	\$ (221,234)	\$ (225,268)
Beginning Fund Balance	\$ 42,633	\$ 41,433	\$ 85,073	\$ 85,310	\$ 36,670	\$ (214,206)	\$ (492,920)	\$ (708,612)	\$ (1,018,371)	\$ (1,239,605)
Ending Fund Balance	\$ 41,433	\$ 85,073	\$ 85,310	\$ 36,670	\$ (214,206)	\$ (492,920)	\$ (708,612)	\$ (1,018,371)	\$ (1,239,605)	\$ (1,464,873)

*CIP projects where the revenue source is from a G.O. bond issue are not included in the "Proposed CIP" amount shown on this spreadsheet

**City of Marshall, Michigan
 Recreation Fund Six-Year Projection of New Capital Financing Potential
 Cumulative Effect of Priority 1 and Priority 2 Projects**

Recreation Fund Item	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	Actual	Actual	Budgeted	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Operating Revenue	\$ 390,145	\$ 396,489	\$ 400,556	\$ 386,572	\$ 394,303	\$ 402,190	\$ 410,233	\$ 418,438	\$ 426,807	\$ 435,343
Operating Expenditures	(377,060)	(374,986)	(400,556)	(403,374)	(411,441)	(419,670)	(428,064)	(436,625)	(445,357)	(454,265)
Estimated Debt Service for CIP Projects	-	-	-	-	-	-	(34,278)	(34,278)	(34,278)	(34,277)
Net capital financing potential	\$ 13,085	\$ 21,503	\$ -	\$ (16,802)	\$ (17,138)	\$ (17,481)	\$ (52,108)	\$ (52,465)	\$ (52,829)	\$ (53,199)
<i>Capital Improvements / Proposed CIP Priority 1</i>										
Addition to (Use of) fund balance	5,100	-	12,000	11,320	-	-	-	-	-	-
Available Fund Balance after Priority 1 projects	7,985	21,503	(12,000)	(28,122)	(17,138)	(17,481)	(52,108)	(52,465)	(52,829)	(53,199)
Available Fund Balance as % of Oper. Expenditures	173,618	195,121	183,121	154,999	126,541	95,060	34,552	(317,913)	(370,742)	(423,941)
	46.05%	52.03%	45.72%	38.43%	30.76%	22.65%	8.07%	-72.81%	-83.25%	-93.32%
<i>Proposed CIP Priority 2</i>										
Addition to (Use of) fund balance	7,985	21,503	(12,000)	11,320	14,000	8,400	300,000	-	-	7,500
Available Fund Balance after Priority 2 projects	173,618	195,121	183,121	(39,442)	(31,138)	(25,881)	(352,108)	(52,465)	(52,829)	(60,699)
Available Fund Balance as % of Oper. Expenditures	173,618	195,121	183,121	143,679	112,541	86,660	(265,448)	(317,913)	(370,742)	(431,441)
	46.05%	52.03%	45.72%	35.62%	27.35%	20.65%	-62.01%	-72.81%	-83.25%	-94.98%

Notes:
 Operating revenues include operating transfers in.
 Operating expenditures includes operating transfers out.
 Revenues and expenditures for 2007-08 adjusted based on known and anticipated changes, assumes 2 percent growth in revenue and expenditures beginning with 2008-09.
 Working capital and all other fund balance reserves not included in "available fund balance."
 Projects anticipated to be funded through a debt issue are not included in "Proposed CIP" amounts shown above.

City of Marshall - Marshall House
Projected Marshall House Operating Cash Flow and Debt Service
Fiscal Years Ended or Ending June 30, 2005 through 2014
PRIORITY 1 & 2 PROJECTS

	2004-05	2005-06	2006-07	2007-08	2008-09	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
(1)	Actual (1)	Actual (1)	Budget	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Operating Revenues (2)										
Federal Section 8 Grant	\$ 322,839	\$ 311,944	\$ 319,584	\$ 297,672	\$ 297,672	\$ 297,672	\$ 297,672	\$ 297,672	\$ 297,672	\$ 297,672
Rents	290,382	304,884	298,680	320,592	320,592	320,592	320,592	320,592	320,592	320,592
Miscellaneous Revenue	9,281	13,268	11,000	10,100	10,100	10,100	10,100	10,100	10,100	10,100
Bond/Note Proceeds	-	-	-	-	-	-	-	-	-	-
Total Operating Revenue	\$622,502	\$630,096	\$629,264	\$628,364	\$628,364	\$628,364	\$628,364	\$628,364	\$628,364	\$628,364
Operating Expenses (3)										
Operating Expenses (3)	\$ 499,873	\$ 530,246	\$ 524,431	\$ 480,523	\$ 494,939	\$ 509,787	\$ 525,081	\$ 540,833	\$ 557,058	\$ 573,770
Operating Income/(Loss)	\$ 122,629	\$ 99,850	\$ 104,833	\$ 147,841	\$ 133,425	\$ 118,577	\$ 103,283	\$ 87,531	\$ 71,306	\$ 54,594
Non-Operating Revenues (Expenses)										
Interest (4)	12,301	17,537	14,000	16,000	13,521	11,125	14,584	15,888	16,685	16,938
Depreciation (5)	69,273	62,097	71,000	54,266	55,894	57,571	59,298	61,077	62,909	64,796
Operating Transfers Out (6)	(221,772)	(238,000)	(223,635)	(214,285)	(199,905)	-	-	-	-	-
Total Non-Operating Revenues (Expenses)	\$ (140,198)	\$ (158,367)	\$ (138,635)	\$ (144,019)	\$ (130,490)	\$ 68,696	\$ 73,882	\$ 76,965	\$ 79,594	\$ 81,734
Net Income Available for Debt Service	(17,569)	(58,517)	(33,802)	3,822	2,935	187,273	177,165	164,496	150,900	136,328
Debt Service Requirements										
Estimate 2008/2009										
Estimate 2009/2010										
Total Debt	\$ (17,569)	\$ (58,517)	\$ (33,802)	\$ 3,822	\$ (17,908)	\$ 86,493	\$ 32,590	\$ 19,921	\$ 6,325	\$ (8,247)
Funds Available for Capital Improvements	\$ (17,569)	\$ (58,517)	\$ (33,802)	\$ 3,822	\$ (17,908)	\$ 86,493	\$ 32,590	\$ 19,921	\$ 6,325	\$ (8,247)
Total Priority 1 & 2 Capital Improvement Projects (7)	\$ 597,692	\$ 481,002	\$ 376,200	\$ 338,022	\$ 278,114	\$ 364,607	\$ 397,197	\$ 417,118	\$ 423,443	\$ 415,196
Cash and Cash Equivalents at End of Year										

(1) Actual
(2) Rent, HUD subsidy and miscellaneous income are assumed to remain constant for the fiscal years ending June 30, 2008 through 2014.
(3) Operating expenditures are assumed to increase 3% per year for the fiscal years ending June 30, 2008 through 2014.
(4) Interest income based on 4% annual earnings times the prior year cash balance for the fiscal years ending June 30, 2008 through 2014.
(5) Depreciation is assumed to increase 3% per year for the fiscal years ending June 30, 2008 through 2014.
(6) Operating Transfers Out based on actual contributions for Building Authority Debt associated with Marshall House.
(7) CIP Projects funded by bonds are not included here.

City of Marshall
 Projected Electric System Operating Cash Flow and Debt Service Coverage
 Fiscal Years Ended or Ending June 30, 2005 Through 2014
PRIORITY 1 & 2 PROJECTS

	Actual 2004/05 (1)	Actual 2005/06 (1)	Budgeted 2006/07	Budgeted 2007/08	Projected 2008/09	Projected 2009/10	Projected 2010/11	Projected 2011/12	Projected 2012/13
Operating Revenues (2)									
Charges for Services (Residential)	\$ 2,908,992	\$ 3,191,111	\$ 3,262,600	\$ 3,200,000	\$ 3,248,000	\$ 3,296,720	\$ 3,346,171	\$ 3,396,364	\$ 3,447,309
Charges for Services (Commercial)	4,087,468	4,238,398	4,089,200	4,100,000	4,161,500	4,223,923	4,287,282	4,351,591	4,416,865
Charges for Services (Industrial)	4,015,743	4,395,457	4,143,800	4,200,000	4,263,000	4,326,945	4,391,849	4,457,727	4,524,593
Sales to Government	518,959	541,293	541,200	598,000	606,970	616,075	625,316	634,696	644,216
Sales to MSCPA	171,364	215,320	161,324	211,324	214,494	220,977	220,977	224,292	227,656
Charges for Services	46,410	24,354	30,000	20,000	20,300	20,605	20,914	21,228	21,546
Penalties Income	40,241	42,672	42,000	50,000	42,000	42,000	42,000	42,000	42,000
Miscellaneous Revenues	21,622	24,507	22,575	18,375	22,575	22,575	22,575	22,575	22,575
Total Operating Revenues	\$ 11,810,799	\$ 12,673,112	\$ 12,292,699	\$ 12,397,699	\$ 12,578,839	\$ 12,766,554	\$ 12,957,084	\$ 13,150,473	\$ 13,346,760
Operating Expenses (3)									
Administration	\$ 592,457	\$ 641,271	\$ 643,718	\$ 623,866	\$ 642,582	\$ 661,859	\$ 681,715	\$ 702,166	\$ 723,231
Powerhouse	612,937	745,225	832,108	750,405	772,917	796,105	819,988	844,588	869,926
Distribution	1,149,083	1,305,143	1,274,843	1,053,927	1,085,545	1,118,111	1,151,654	1,186,204	1,221,790
Purchased Power	8,369,329	9,275,553	9,043,000	9,043,000	9,178,645	9,316,325	9,456,070	9,597,911	9,741,879
Total Operating Expenses	\$ 10,723,806	\$ 11,967,192	\$ 11,793,669	\$ 11,471,198	\$ 11,679,689	\$ 11,892,400	\$ 12,109,427	\$ 12,330,869	\$ 12,556,826
Operating Income (Loss)	\$ 1,086,993	\$ 705,920	\$ 499,030	\$ 926,501	\$ 899,150	\$ 874,154	\$ 847,657	\$ 819,604	\$ 789,934
Non-Operating Revenues (Expenses) (4)									
Interest	\$ 35,785	\$ 72,157	\$ 50,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000
Depreciation	544,690	643,115	560,000	652,283	671,851	692,007	712,767	734,150	756,174
Service to City-Payments in Lieu of Taxes	(205,638)	(211,283)	(206,905)	(170,000)	(170,000)	(170,000)	(170,000)	(170,000)	(170,000)
Operating Transfers Out	226,629	333,529	233,095	289,010	374,210	392,270	411,382	433,550	456,674
Total Non-Operating Revenues (Expenses)	\$ 1,313,622	\$ 1,039,449	\$ 732,125	\$ 1,215,511	\$ 1,273,360	\$ 1,266,424	\$ 1,259,039	\$ 1,253,154	\$ 1,246,608
NET INCOME AVAILABLE FOR DEBT SERVICE									
Debt Service Requirements									
1976 Bonds	\$ 231,413	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
1999 Bonds	49,510	93,604	96,285	94,085	96,721	94,178	96,430	93,475	95,350
1999 IPC - Fuel Tanks	38,350	38,868	39,193	38,513	38,780	38,943	0	0	0
2004 Bond - Project 3 Generators	32,800	33,938	32,813	31,913	31,013	0	0	0	0
2007 Alley Project	0	0	0	57,627	56,963	61,050	59,940	58,815	57,675
Estimated 2009-10 Debt Issue	0	0	0	0	0	3,737	19,528	19,048	18,629
Total	\$ 352,073	\$ 166,410	\$ 168,291	\$ 222,138	\$ 223,477	\$ 197,908	\$ 175,898	\$ 171,338	\$ 171,654
Coverage Ratio	3.73x	6.25x	4.35x	5.47x	5.70x	6.40x	7.16x	7.31x	7.26x
Funds Available for Capital Improvements	\$ 961,549	\$ 873,039	\$ 563,834	\$ 993,373	\$ 1,049,884	\$ 1,068,516	\$ 1,083,141	\$ 1,081,816	\$ 1,074,954
Total Priority 1 & 2 Capital Improvement Expenditures/Projects (5)	\$ 2,000,542	\$ 2,554,379	\$ 2,517,578	\$ 3,363,451	\$ 4,119,634	\$ 4,903,150	\$ 5,862,791	\$ 6,776,107	\$ 7,841,061

(1) Actual.
 (2) Sales and charges for services assumed to grow 1.5% annually for fiscal years June 30, 2009 through 2014, while penalties income and miscellaneous revenues are assumed to remain constant.
 (3) Excluding the category "Purchased Power," operating expenditures are assumed to increase 3% per year for the fiscal years ending June 30, 2008 through 2013. Purchased Power assumed to increase 1.5% annually for the same fiscal years.
 (4) Interest Income and Service to City are not assumed to change for the fiscal years ending June 30, 2008 through 2013; Depreciation is assumed to increase 3% (same fiscal years); Operating transfers out based on contribution for PSB building debt (same fiscal years).
 (5) CIP Projects funded by bonds are not included here.
 Source: City of Marshall

City of Marshall

Projected Waste Water System Operating Cash Flow and Debt Service Coverage
Fiscal Years Ended or Ending June 30, 2005 Through 2014

PRIORITY 1 & 2 PROJECTS

	Actual 2004/05 (1)	Actual 2005/06 (1)	Budgeted 2006/07	Budgeted 2007/08	Projected 2008/09	Projected 2009/10	Projected 2010/11	Projected 2011/12	Projected 2012/13
Operating Revenues (2)									
Residential (Service Charges)	\$ 679,793	\$ 668,209	\$ 658,504	\$ 660,000	\$ 669,900	\$ 679,949	\$ 690,148	\$ 700,500	\$ 711,008
Commercial (Service Charges)	362,432	369,709	373,017	390,000	395,850	401,788	407,815	413,932	420,141
Industrial (Service Charges)	113,403	141,405	164,722	146,000	148,190	150,413	152,669	154,959	157,283
Governmental (Service Charges)	28,507	26,704	25,815	28,000	28,420	28,846	29,279	29,718	30,164
Penalties Income	-	3,768	3,768	3,768	3,768	3,768	3,768	3,768	3,768
Septic Tank Dumps	680	806	2,658	800	800	800	800	800	800
Total Operating Revenues	\$ 1,184,815	\$ 1,210,602	\$ 1,228,484	\$ 1,228,568	\$ 1,246,928	\$ 1,265,564	\$ 1,284,479	\$ 1,303,677	\$ 1,323,164
Operating Expenses (3)									
Operations	\$ 898,732	\$ 865,155	\$ 922,988	\$ 791,913	\$ 815,670	\$ 840,140	\$ 865,344	\$ 891,304	\$ 918,043
Administration	259,164	317,008	299,430	256,225	263,912	271,829	279,984	288,384	297,036
Total Operating Expenses	1,157,896	1,182,163	1,222,418	1,048,138	1,079,582	1,111,969	1,145,328	1,179,688	1,215,079
Operating Income (Loss)	\$ 26,919	\$ 28,438	\$ 6,066	\$ 180,430	\$ 167,346	\$ 153,595	\$ 139,151	\$ 123,989	\$ 108,085
Non-Operating Revenues (Expenses) (4)									
Interest Earned	\$ 10,858	\$ 34,894	\$ 6,624	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000
Miscellaneous	31,866	29,735	1,100	1,100	1,100	1,100	1,100	1,100	1,100
Depreciation (5)	378,091	362,504	382,000	358,375	369,126	380,200	391,606	403,354	415,455
Service To City-Payments in Lieu of Taxes	(3,065)	(5,860)	(6,000)	(6,000)	(6,000)	(6,000)	(6,000)	(6,000)	(6,000)
Operating Transfers In/Out	0	(45,000)	0	0	0	0	0	0	0
Total Non-Operating Revenues (Expenses)	\$ 417,750	\$ 376,273	\$ 382,624	\$ 393,475	\$ 403,126	\$ 414,200	\$ 425,606	\$ 437,354	\$ 449,455
NET INCOME AVAILABLE FOR DEBT SERVICE	\$ 444,669	\$ 404,711	\$ 388,690	\$ 573,905	\$ 570,472	\$ 567,795	\$ 564,757	\$ 561,343	\$ 557,539
Debt Service Requirements									
1989 Bonds	149,950	147,250	144,775	142,075	139,375	141,625	0	0	0
Biosolids Storage Tank	22,700	29,619	0	0	0	0	0	0	0
Sewer Rodding Truck	16,148	15,383	0	0	0	0	0	0	0
Stanton Associates Infrastructure Interest Payment	7,012	7,427	8,005	8,005	8,005	8,005	8,005	8,005	8,005
1999 Bonds	165,045	162,276	159,807	157,038	154,269	151,500	215,730	242,937	244,453
2004 Bonds (refunded Biosolids Storage Tank IPC)	0	0	28,914	23,164	22,564	26,889	25,983	0	0
Total	\$ 360,855	\$ 361,953	\$ 341,501	\$ 330,282	\$ 324,213	\$ 328,019	\$ 249,718	\$ 250,942	\$ 252,458
Coverage Ratio	1.23x	1.12x	1.14x	1.74x	1.76x	1.73x	2.26x	2.24x	2.21x
Funds Available for Capital Improvements	\$ 83,814	\$ 42,756	\$ 47,189	\$ 243,623	\$ 246,259	\$ 239,776	\$ 315,039	\$ 310,401	\$ 305,081
Total Priority 1 & 2 Capital Improvement Expenditures/Projects (6)	\$ 978,173	\$ 934,616	\$ 831,446	\$ 891,069	\$ 972,328	\$ 1,082,104	\$ 1,232,143	\$ 1,542,544	\$ 1,847,625
Cash & Investments at Year End									

(1) Actual.
(2) Consumption and operating revenues assumed to increase 1.5% for fiscal years ending June 30, 2009 through 2014; Penalties and Septic Dumps assumed to remain constant.
(3) Operating expenditures are assumed to increase 3% per year for the fiscal years ending June 30, 2009 through 2014.
(4) Non-operating revenues are not assumed to change for the fiscal years ending June 30, 2009 through 2014.
(5) Depreciation expenses assumed to increase 3% a year for the fiscal years ending June 30, 2009 through 2014.
(6) CIP Projects funded by bonds are not included here.
Source: City of Marshall

City of Marshall Water Supply System
 Projected Water System Operating Cash Flow and Debt Service Coverage
 Fiscal Years Ended or Ending June 30, 2005 Through 2014
PRIORITY 1 & 2 PROJECTS

	Actual 2004/05 (1)	Actual 2005/06 (1)	Budgeted 2006/07	Budgeted 2007/08	Projected 2008/09	Projected 2009/10	Projected 2010/11	Projected 2011/12	Projected 2012/13	Projected 2012/14
Operating Revenues (2)										
Residential Sales	\$ 752,447	\$ 759,629	\$ 741,000	\$ 714,000	\$ 724,710	\$ 735,581	\$ 746,615	\$ 757,814	\$ 769,181	\$ 780,719
Commercial Sales	388,269	410,343	409,500	400,000	406,000	412,090	418,271	424,545	430,913	437,377
Industrial Sales	307,584	310,472	351,000	276,000	280,140	284,342	288,607	292,936	297,330	301,790
City Sales	47,843	54,272	53,625	53,000	53,795	54,602	55,421	56,252	57,096	57,952
Charges for Services	3,290	211	250	250	250	250	250	250	250	250
Fire Protection	17,591	10,846	17,200	17,000	17,000	17,000	17,000	17,000	17,000	17,000
Penalties	16,519	11,993	16,000	10,000	15,000	15,000	15,000	15,000	15,000	15,000
Total Operating Revenues	\$ 1,533,543	\$ 1,557,266	\$ 1,888,575	\$ 1,470,250	\$ 1,496,895	\$ 1,518,865	\$ 1,541,164	\$ 1,563,797	\$ 1,586,770	\$ 1,610,088
Operating Expenses (3)										
Production	\$ 213,720	\$ 223,800	\$ 232,562	\$ 239,539	\$ 246,725	\$ 254,127	\$ 261,751	\$ 269,604	\$ 277,692	\$ 286,023
Distribution	576,274	527,007	559,502	\$ 576,287	\$ 593,576	\$ 611,383	\$ 629,724	\$ 648,616	\$ 668,074	\$ 688,116
Administrative	280,596	302,704	301,336	310,376	319,687	329,278	339,156	349,331	359,811	370,605
Total Operating Expenses	\$ 1,070,590	\$ 1,053,511	\$ 1,093,400	\$ 1,126,202	\$ 1,159,988	\$ 1,194,788	\$ 1,230,631	\$ 1,267,551	\$ 1,305,577	\$ 1,344,744
Operating Income (Loss)	\$ 462,953	\$ 503,755	\$ 495,175	\$ 344,048	\$ 336,907	\$ 324,077	\$ 310,533	\$ 296,246	\$ 281,193	\$ 265,344
Non-Operating Revenues (Expenses) (4)										
Interest	\$ 2,920	\$ 32,040	\$ 26,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000
Rents	\$ 27,315	\$ 27,861	\$ 28,400	\$ 28,986	\$ 28,986	\$ 28,986	\$ 28,986	\$ 28,986	\$ 28,986	\$ 28,986
Miscellaneous/State Grants	39,656	16,719	4,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Depreciation (5)	291,308	293,137	296,000	281,037	289,468	298,152	307,097	316,310	325,799	335,573
Service To City-Payments in Lieu of Taxes	(14,607)	(16,900)	(17,300)	(17,300)	(17,300)	(17,300)	(17,300)	(17,300)	(17,300)	(17,300)
Operating Transfers Out (5)	(25,854)	(26,410)	(25,841)	(25,818)	(26,164)	(25,955)	(26,217)	(26,423)	(26,325)	(26,325)
Gain (Loss) on Sale of Investments	0	0	0	0	0	0	0	0	0	0
Total Non-Operating Revenues (Expenses)	\$ 320,748	\$ 326,447	\$ 311,259	\$ 316,905	\$ 324,990	\$ 333,883	\$ 342,566	\$ 351,273	\$ 361,160	\$ 370,934
NET INCOME AVAILABLE FOR DEBT SERVICE	\$ 783,701	\$ 830,202	\$ 806,434	\$ 660,953	\$ 661,897	\$ 657,960	\$ 653,099	\$ 647,819	\$ 642,353	\$ 636,278
Debt Service Requirements										
1993 Bonds	61,562	58,868	61,293	63,403	0	0	0	0	0	0
1996 Bonds	132,217	138,798	119,973	126,853	138,143	123,553	134,428	149,388	158,228	158,228
1997 Bonds	289,669	277,405	296,325	288,570	280,650	292,565	283,315	268,880	259,610	259,610
1999 Bond - Allocated 2001	2,974	2,924	2,875	2,824	2,774	2,724	2,674	2,624	2,574	2,524
Sutton Associates Infrastructure Interest Payment	20,256	22,388	23,126	23,820	24,535	25,271	26,032	26,812	27,616	28,444
2004 Bond - Hancock Water Main	25,628	25,673	20,223	19,923	19,623	19,285	18,923	18,548	18,160	17,760
2004 Bond - Mulberry Water Main	12,848	12,848	12,848	12,848	12,848	12,848	12,848	12,848	12,848	12,848
2004 Bond - Aquifer Study and Well	9,267	9,266	9,116	8,966	8,816	8,666	8,516	8,366	8,216	8,066
Estimated 2009/10 Bond						15,200	84,000	84,000	84,000	84,000
Total	\$ 545,154	\$ 539,004	\$ 545,629	\$ 546,909	\$ 491,939	\$ 504,306	\$ 509,712	\$ 465,750	\$ 464,417	\$ 464,418
Coverage Ratio	1.44x	1.54x	1.48x	1.21x	1.35x	1.30x	1.19x	1.39x	1.38x	1.37x
Funds Available for Capital Improvements	\$ 238,547	\$ 291,298	\$ 260,895	\$ 114,044	\$ 169,958	\$ 153,654	\$ 103,387	\$ 182,029	\$ 177,936	\$ 171,860
Total Priority 1 & 2 Capital Improvement Expenditures/Projects (6)	\$ 1,216,235	\$ 1,307,621	\$ 1,419,777	\$ 1,484,821	\$ 1,573,279	\$ 1,436,933	\$ 1,465,320	\$ 1,647,349	\$ 1,825,285	\$ 1,997,145

(1) Actual
 (2) Consumption and operating revenues assumed to increase 1.5% for fiscal years ending June 30, 2009 through 2014; charges for services, fire protection and penalties assumed to remain constant.
 (3) Operating expenditures are assumed to increase 2% per year for the fiscal years ending June 30, 2009 through 2014.
 (4) Non-operating revenues are not assumed to change for the fiscal years ending June 30, 2009 through 2014.
 (5) Depreciation expense assumed to increase 2% a year for the fiscal years ending June 30, 2009 through 2014.
 (6) CIP Projects funded by bonds are not included here.
 Source: City of Marshall

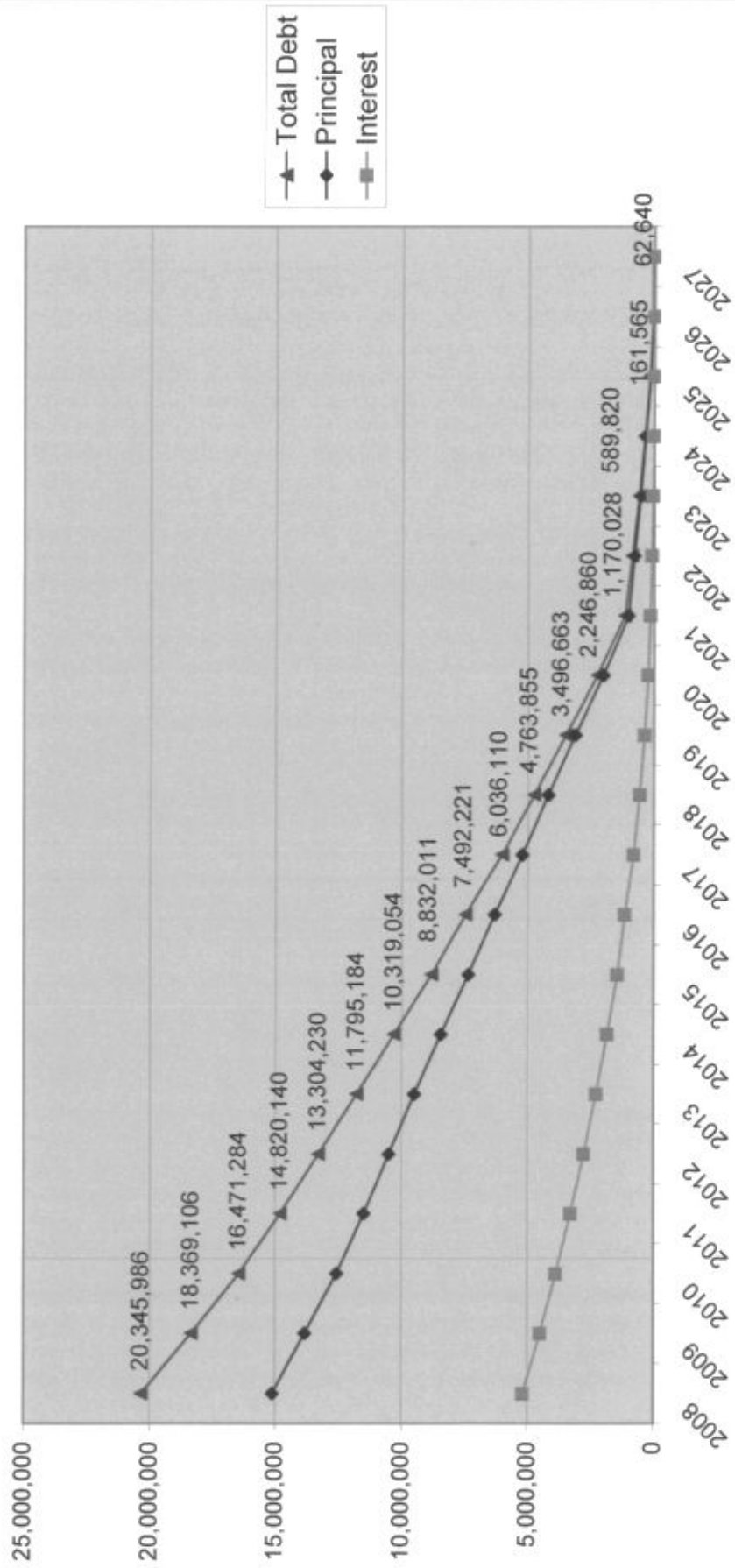
**City of Marshall, Michigan
Total Debt--Principal and Interest--(Current) and Percent of
Total Debt Amortized Within Ten Years**

Fiscal Year Ending June 30	General Fund	MVH	DDA*	L DFA	Bldg. Auth. (Mshl. House)	Electric**	Wastewater	Water	Total	Benchmark
2007	66,766	165,955	147,808	172,546	223,410	374,835	332,925	547,348	2,031,593	
2008	65,691	172,147	51,883	171,671	214,060	431,451	321,706	548,282	1,976,890	
2009	68,902	163,035	56,043	170,796	199,680	431,117	315,638	492,613	1,897,824	
2010	67,413	146,160	54,993	169,921		403,908	319,444	489,306	1,651,145	
2011	41,551	145,923	58,943	168,983		367,755	241,368	491,389	1,515,912	
2012	41,078	145,375	57,653	168,046		362,890	242,637	491,368	1,509,047	
2013	45,552	144,478	61,333	128,230		362,525	244,153	489,859	1,476,130	
2014	45,296	143,220	64,758	130,030		365,838	245,166	492,736	1,487,044	
2015	44,511		62,918	126,715		364,554	240,890	493,822	1,333,410	
2016	44,214		66,038	123,400		366,795	245,934	493,429	1,339,810	
2017	52,228		68,878	125,085		440,565	245,359	340,139	1,272,254	
2018	52,860		71,428	121,575		449,645	244,200	327,485	1,267,193	
2019	53,340		73,678	117,795		457,575	232,962	314,453	1,249,803	
2020	46,800		75,678	114,015		529,215	221,725	89,400	1,076,833	
2021			77,395	115,235		60,630		37,285	290,545	
2022			78,825	111,245		58,718		40,875	289,663	
2023				107,255		61,805		49,230	218,290	
2024				103,170		59,680		47,115	209,965	
2025				99,085		62,480			161,565	
2026						60,060			60,060	
2027						62,640			62,640	
	\$ 736,202	\$ 1,226,292	\$ 1,128,252	\$ 2,544,798	\$ 637,150	\$ 6,134,681	\$ 3,694,107	\$ 6,276,134	\$ 22,377,617	

Percent Amortized within ten years: 72.12% 100.00% 60.48% 60.14% 100.00% 62.46% 74.44% 80.15% 72.48% >=50%

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

CITY OF MARSHALL DEBT ALL FUNDS



Priority One Project Summary

Project Description	Funds Impacted	Mandated	Committed	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Mobile Eyes Inspection System (fire)	GF			9,000	6,000				
Pager Replacement (fire)	GF			8,800	8,800				
Structural Fire Fighting Protective Clothing (fire)	GF	X		8,000	8,500	9,000	9,500	10,000	10,500
Replacement for 12-42 (Snorkel Truck) (fire)	GF				890,000				
Brooks Fountain Equipment Replacement (parks)	GF			90,000					
Ketchum park Parking near Kids Kingdom(parks) 7 ²	GF			4,000					
Brooks Fountain Exterior Repair (parks)	GF			110,000					
Security Cameras North & South Ketchum Park (parks)	GF			9,000					
Two Position Phone System w/ORION mapping (police)	GF			170,151					
Public Safety & Town Hall Facility Design (police)	GF			100,000					
Motorola Mobile Data Equipment (police)	GF			46,482					
In-care Video Monitoring Equipment (police)	GF				20,000	7,500	15,000		
Public Safety & Town Hall Facility remodel (police) Study	GF								
Salt Barn (streets)	GF			50,000					
Town Hall Repairs	GF			12,000					
Soft Water System (Town Hall)	GF			26,250					
Replacement copier (PSB)	GF			16,800					
Repave Marshall Avenue	MVH			40,000					
Bridge Maintenance-Marshall Ave @ Mill Race	MVH			30,000					
Homef Road repaving & shoulder improvements	MVH			40,800					
Carpet Replacement	M/H			33,000					
ADA Tub-Shower Combinations	M/H			9,000					
Water Infiltration Remediation	M/H				595,000				
Roof Repair	M/H				200,000				
FERC-Post licensing activities	ELEC	X		7,700	17,000	14,000	41,000		
Installation of new pilot wire relaying	ELEC			20,000					
Secondary Oil Containment	ELEC			20,000					
Arc Flas Analysis and Training	ELEC			all costs unknown					
Lining the wet well-Fountain Street lift station	WW			12,000					
Ferric Tank Replacement	WW			22,000					
DART Operation Study	DART			25,000					
Document imaging	DP			8,000					
Tracking software & training	MP			12,000					
Addition of two repair bays to Public Works Bldg	MP			200,000					
GRAND TOTAL OF COSTS				\$ 1,139,983	\$ 1,745,300	\$ 30,500	\$ 65,500	\$ 10,000	\$ 10,500

Notes:

Mandated:

1. Required by legislature/state/federal agency
2. Required in order to receive monies for ongoing health & safety projects

Committed:

1. City Council / City Manager commitment

Priority Two Project Summary

Project Description	Funds Impacted	2008-09																		
		2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19									
Water distribution system (cemetery)	GF	62,000																		
Gas powered sod cutter (cemetery)	GF	6,000																		
Replace main copy machine (town hall)	GF	20,000																		
Accounting Software Upgrade (town hall)	GF	60,000																		
Paving North Ketchum Park - parking lot (parks)	GF	22,000																		
South Ketchum Parking lot expansion (parks)	GF		52,000																	
2008-2014 Street Preventative Maintenance (streets)	GF	12,000	12,000	11,000	15,000															
Mansion Street/North Alley Parking Lot Reconstruction (streets)	GF	95,000																		
Sidewalk ramp installation (streets)	GF	10,000	10,000	10,000																
Parking Lot Pavement seal (streets)	GF	5,000	5,000	5,000	5,000	5,000														
Sidewalk repair (streets)	GF	15,000	15,000	15,000	15,000															
City Hall Building Security (town hall)	GF	14,500	14,500																	
Parking Lot & drive crack filling & sealing (PSB)	GF	15,000																		
Chestnut/Clinton street improvements	MVH		225,000																	
Washington/Elm Improvements	MVH		180,000																	
River Street - Double Seal	MVH		7,000																	
Street Reconstruction	MVH	150,000	210,000	330,000	265,000	295,000	280,000													
Bridge maintenance-Marshall Ave @ Kalamazoo River	MVH	65,000	177,500																	
Bridge maintenance-Monroe Street @ Rice Creek	MVH	30,000	83,250																	
Electronic Sign	REC	6,500																		
Replace Digital Duplicator	REC	8,400																		
Seal Coating & Striping Athletic Field Parking Lot	REC	7,500																		
Replacement of athletic field lighting system	REC		300,000																	
Parking lot pavement sealing (DDA/streets)	DDA	5,000	5,000	5,000	5,000															
Screening Machine for Compost Center & DPW	COMPOST		50,000																	
Automated load control of hydro	ELEC	40,000																		
Upgrade engine protection system	ELEC	15,000	15,000																	
Overhaul east well pump	ELEC	15,000																		
Painting of outdoor electric equipment	ELEC	15,000																		
Installation of circuit reclosers	ELEC			10,000																
Replace east & west overhead fuel tanks	ELEC	18,000	18,000																	
Upgrade distribution lines in Industrial Park	ELEC	5,000	100,000																	
Capacitor Banks	ELEC	18,000	20,000	22,000																

Priority Two Project Summary

Project Description	Funds Impacted						2013-14
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	
Install fiber to Industrial Park Reclosers	15,000						
Upgrade plant #1 house power panels	7,500	7,500	7,500	7,500			
Upgrade lube oil heating systems on #2 & #5 engines	7,500	7,500					
Upgrade lube oil filter systems on #2 & #5 engines	5,000	5,000					
Engine #3 & #6 gauge panel replacement		80,000					
Structure repairs to hydro building							
Air compressor replacement		15,000	15,000	15,000			
Power House roof repairs			50,000				
Overhaul west well pump			15,000				
Raceway/dam maintenance							
Overhaul #3 engine raw water pump				15,000			15,000
Chestnut/Clinton improvements	60,000				10,000		
Valve replacement	20,000	20,000	20,000				
Install electric gate	6,000						
Raw sludge tank mixer	25,000						
Gear box replacement	20,000	20,000					
Replace high school lift station		90,000					
Replace industrial park lift station (S Kalamazoo)			125,000				
Replace primary sludge pump			20,000				
Chestnut/Clinton improvements	50,000						
Marshall Avenue Water Main Project		170,000					
Install New Water Service on Washington & Elm	25,000						
Allen Road Water Main Project		120,000					
Water tower access paving	6,500						
Water tower repainting			75,000				
DART Dispatching software	5,000						
Microsoft Office Suite upgrade	20,000						
Network server upgrade	23,603	23,603					
Radio Consolidation & new repeater	6,000	2,200	2,200	2,200			
GRAND TOTAL OF COSTS	\$ 1,431,603	\$ 1,399,453	\$ 1,080,700	\$ 440,700	\$ 345,000	\$ 322,500	

Priority Three Project Summary

Project Description	Funds Impacted																				
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18											
Land acquisition for runway expansion (airport)	GF	12,500																			
Design engineering for runway & taxiway ext. (airport)	GF	2,000																			
Welcome Center (airport)	GF		500,000																		
Runway extension (airport)	GF		19,375																		
Taxiway extension (airport)	GF		13,750																		
Design engineering for future development (airport)	GF		2,500																		
Cemetery road paving project (cemetery)	GF	15,000	15,000	15,000	15,000																
Live fire training facility (fire)	GF	25,000																			
Ketchum Park restroom near Kids Kingdom (parks)	GF		88,000																		
New playground equipment (parks)	GF					45,000															
Observation deck @ Brooks Nature Area (parks)	GF	9,000																			
Phase I Riverfront Park development	GF		75,000																		
Boat launch at PSB (parks)	GF		50,000																		
Ketchum Park parking & access	GF		40,000																		
Riverwalk connection to Ketchum Park (parks)	GF					300,000															
Phase V Riverwalk design (parks)	GF					40,000															
Kalamazoo Riverfront parks planning (parks)	GF					40,000															
Walnut St. Riverwalk connection (parks)	GF					30,000															
Park identification signs (parks)	GF					12,000															
Sidewalk - new construction (streets)	GF	30,000	30,000	30,000	30,000																
Community Forestry Grant	GF	12,000																			
Riverwalk link to Brooks Nature Area	MVH	28,000																			
Dug Outs	REC	41,200																			
Installation of electronic scoreboards/electricity	REC	9,500																			
Trash Compactor	M/H											12,862									
Kitchen Replacements	M/H		561,200																		
Plant video camera system	ELEC	15,000																			
Rewind generator #2	ELEC		94,500																		
Rewind generator #5	ELEC					104,000															
Recondition #1 hydro	ELEC																				75,000

Priority Three Project Summary

Project Description	Fund(s) Impacted	Year					
		2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Recondition #3 hydro	ELEC						50,000
Pave road to waste water plant	W/W	15,000					
Electrical Controls Replacement	W/W				65,000		
Water main improvements in 400 block of Ferguson	WATER		100,000				
Water main improvements in 600 block of W Prospect	WATER		60,000				
Water main improvements - Michigan Avenue	WATER	410,000					
Replace chlorine gas with sodium hypochlorite	WATER			100,000			
Replace well house #4	WATER			20,000			
New well construction & distribution	WATER		900,000				
GRAND TOTAL OF COSTS		\$ 624,200	\$ 2,549,325	\$ 736,000	\$ 122,862	\$ 120,000	\$ 80,000

Priority Four Project Summary

Project Description	Funds Impacted	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Sherman Court pond nature trail (parks)	GF	5,000	5,000	5,000			
Replace Elevators	MH	363,500					
Retrofit breakers in Plant #1 switchgear	ELEC		50,000	50,000			
Upgrade transformer in south substation	ELEC				200,000		
Remove 2400 volt switch gear and rewind hydros	ELEC					100,000	100,000
GRAND TOTAL OF COSTS		\$ 368,500	\$ 55,000	\$ 55,000	\$ 200,000	\$ 100,000	\$ 100,000

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
General Fund									
Airport									
3	Land Acquisition for Runway Extension	\$12,500	\$0	\$0	\$0	\$0	\$0	\$487,500	\$500,000
	Potential for additional legal expenses (no estimate available).	Federal 80%, State 17.5%, Local Match 2.5%	50	Acquire additional land necessary to extend runway to 4300 feet.					
3	Design Engineering for Runway & Taxiway Extension	\$2,000	\$0	\$0	\$0	\$0	\$0	\$78,000	\$80,000
	None.	Federal 80%, State 17.5%, Local match 2.5%	20	Design engineering for the 800' runway and taxiway extension including rehabilitation of runway 10/28					
3	Airport Welcome Center	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$500,000
	Direct increase in operational costs to man and maintain the facility; indirect benefit by increasing overall air traffic and visitors to the community.	General Fund	20	Construct a "Welcome Center" to attract new business to the airport and further the efforts of economic development by providing an attractive destination point.					
3	Runway Extension	\$0	\$19,375	\$0	\$0	\$0	\$0	\$755,625	\$775,000
	direct: increase operational costs for plowing of runway, overall maintenance. Indirect: possible impact for retention of existing industry and economic development by attracting new industry with airport needs.	Federal 80%, State 17.5%, Local Match 2.5%	20	Extend runway 10/28 800 ft to east for total of 4,300 ft. Existing runway length often marginal for larger corporate aircraft; will increase safety and attract additional users. (800' x 75') Including MIRL, PAPI & REIL					
3	Taxi Way Extension	\$0	\$13,750	\$0	\$0	\$0	\$0	\$536,250	\$550,000
	Increase cost for snow plowing, overall maintenance, additional taxi way lights.	Federal 80%, State 17.5%, Local match 2.5%	20	Taxi way extension necessary if runway is extended (including MITL)					
3	Design engineering for Airport future development	\$0	\$2,500	\$0	\$0	\$0	\$0	\$47,500	\$50,000
	Design phase only; no direct or indirect operational costs.	Federal 90%, State 5%, Local Match 5%	5	Design engineering for future development and runway rehabilitation; item included in the approved Airport Layout Plan.					
Total Priority 3		\$14,500	\$535,625	\$0	\$0	\$0	\$0	\$1,904,875	\$2,455,000
Total Airport		\$14,500	\$535,625	\$0	\$0	\$0	\$0	\$1,904,875	\$2,455,000

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
Cemetery									
2	Cemetery water distribution system	\$0	\$62,000	\$0	\$0	\$0	\$0	\$0	\$62,000
	Will reduce water loss and maintenance costs due to the age of the current system.	Cemetery Trust Fund (available funds = \$561,934) and General Fund.	20	Replacing the current water distribution system will eliminate line breaks which will result in reduced water usage as a result of the leaks.					
2	Gas powered sod cutter for removing sod from graves	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000
	Save time in clearing sod from the graves and materials of approximately \$600 a year.	General and/or Cemetery Trust Fund	5	Currently cemetery workers use hand tools to remove the sod. It is time consuming and when a handle breaks, time is lost while looking for and installing the handle. Time will be saved by using this machine as there are times when two or three graves need to be dug.					
Total Priority 2		\$6,000	\$62,000	\$0	\$0	\$0	\$0	\$0	\$68,000
3	Cemetery Road Paving Project	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$0	\$0	\$75,000
	Will reduce the need to haul in gravel to build up the drives so that visitors to the cemetery will not be driving on or stepping in mud.	General Fund and/or Cemetery Trust Fund	20	Finishing the drives in the cemetery will provide a clean and solid surface during inclement weather for those visiting their loved ones and during a funeral service.					
Total Priority 3		\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$0	\$0	\$75,000
Total Cemetery		\$21,000	\$77,000	\$15,000	\$15,000	\$15,000	\$0	\$0	\$143,000
Clerk-Treasurer									
2	Replace main town hall copy machine	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000
	One year reduction in maintenance contract fees. Current copies of 1,292,989.	General Fund	7	Copy machine replacement program--replace main copy machine used in Town Hall.					
2	Accounting Software Upgrade	\$0	\$60,000	\$0	\$0	\$0	\$0	\$0	\$60,000
	Complete interface will reduce staff time spent on manual entries. Annual maintenance cost may actually be reduced slightly.	General Fund	5	Over time technology generally requires significant upgrades to existing software. Replace all accounting software with upgrades and interfaced modules to meet needs of the department. Pricing ranges from an estimated \$40,000 to \$60,000.					
Total Priority 2		\$20,000	\$60,000	\$0	\$0	\$0	\$0	\$0	\$80,000
Total Clerk-Treasurer		\$20,000	\$60,000	\$0	\$0	\$0	\$0	\$0	\$80,000

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
Fire									
1	Mobile Eyes Inspection System	\$9,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$15,000
	The system will enhance our ability to integrate fire inspections and responses as well as allow us to keep better and more up to date records on all of the business occupancies in town.	General Fund	20	The Mobile Eyes inspection system will allow us to keep better track on fire inspections and keep more detailed inspection records. It will also allow us to reduce the amount of file storage that is necessary in the offices. The software also allows us to make specifics about a location that might be of importance during an emergency; currently we have no way to recall these pieces of important information unless it is by memory of one of the responders at the scene.					
1	Fire pager replacement (Motorola Minitor V model)	\$8,800	\$8,800	\$0	\$0	\$0	\$0	\$0	\$17,600
	Currently a major portion of our fire pagers are or are becoming obsolete and non-supported by the manufacturer also, by the federal communications commission narrowing of the banking of the V.H.F. frequencies. The pagers are used to notify off-duty and part-paid fire fighters of an emergency or non-emergency response request.	General fund	10	Our department has 34 Motorola fire pagers in service presently. Of these, eighteen are Minitor II models (52%) and are obsolete and have been for a number of years and if they malfunction they can't be repaired unless parts are in stock or found on E-bay.					
1	Structural Fire Fighting Protective Clothing Purchase	\$8,000	\$8,500	\$9,000	\$9,500	\$10,000	\$10,500	\$0	\$55,500
	Currently the State of Michigan has mandated that all structural fire fighting protective clothing must meet or exceed the 2000 edition of the National Fire Protection Association's standard for structural fire fighting protective clothing, 19 of our fire fighters have this gear.	General Fund or possible FEMA grant with a 5% match.	5	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 large one time purchase.					
1	Replacement for 12-42 (Snorkel Truck)	\$0	\$890,000	\$0	\$0	\$0	\$0	\$0	\$890,000
	The truck will be a useful addition to assist in extinguishing fires on second or higher floors of buildings/residences in our historic downtown area.	General Fund; Installment Purchase Contract; Bond	20	The new ladder truck will replace the existing Snorkel truck. The "outriggers" on the present 12-42 are old and "scored" and this has weakened them. Even though the truck has been certified for use, the potential exists for them to give way and this could cause the truck to overturn. The truck recently received a preventive maintenance inspection and numerous repairs have been completed making it safe for operation.					
Total Priority 1		\$25,800	\$913,300	\$9,000	\$9,500	\$10,000	\$10,500	\$0	\$978,100
3	Live Fire Training Facility	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
	\$2,000 increase in operations and maintenance costs per year.	General Fund	25	To provide hands-on training with live fire, provided by a propane burner. This facility would be a cooperative effort between surrounding townships who would share costs. CIP appropriations is city's estimated share.					
Total Priority 3		\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
Explanation of effect on Operations		Source of Funding	Estimated Useful Life (Years)	Purpose					
Total Fire		\$50,800	\$913,300	\$9,000	\$9,500	\$10,000	\$10,500	\$0	\$1,003,100
Parks									
1	Brooks Fountain Equipment Replacement	\$90,000	\$0	\$0	\$0	\$0	\$0	\$0	\$90,000
With the installation of an updated filtration and lighting system staffs time in repairing the equipment will be reduced. In addition the city will save on water consumption as the fountain will not need to be drained for cleaning as often or not at all.		General fund, fund raising, Kellogg Foundation, Marshall Community Fund, National Scenic Byways and Cronin Foundation Grant	10	Due to the age of the equipment the maintenance of the fountain is taking more time and resources to keep the fountain functioning.					
1	Ketchum Park Parking near Kids Kingdom	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0	\$4,000
Increased maintenance costs for parking area.		General Fund	25	Create additional parking at Ketchum Park on the south side at/near the Kids Kingdom playground area.					
1	Brooks Fountain Exterior Repair	\$110,000	\$0	\$0	\$0	\$0	\$0	\$0	\$110,000
Reduce the need to replace the fountain due to the deterioration of the cement and terracotta components.		General Fund, fund raising, Kellogg Foundation, Marshall Community Fund, National Scenic Byways and Cronin Foundation Grant.	10	Staff is searching for an exterior finish that will expand and contract with the different type of materials that the fountain is constructed of. This will help to reduce the need to recoat the exterior every five or so years.					
1	Security Cameras North & South Ketchum Park	\$9,000	\$0	\$0	\$0	\$0	\$0	\$0	\$9,000
Reduce maintenance costs by \$2,000 to \$3,000 a year on repairs.		General fund, Rotary Club, Marshall Community Fund	10	The North Ketchum bathrooms have consistently been vandalized. Individuals have donated materials and/or labor to help fix them up only to have them vandalized again. The cameras will be of the kind that will allow perpetrators to be recognized. There will be two cameras on the North Ketchum side and one focused on the Kids Kingdom with the ability to add another.					
Total Priority 1		\$213,000	\$0	\$0	\$0	\$0	\$0	\$0	\$213,000
2	Paving north Ketchum Park parking lot	\$0	\$22,000	\$0	\$0	\$0	\$0	\$0	\$22,000
\$300 increase in maintenance costs per year.		General Fund	20	Asphalt paving of parking lot adjacent to skate park, play structure and restrooms located in north Ketchum Park.					

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
2	South Ketchum Parking Lot Expansion	\$0	\$0	\$52,000	\$0	\$0	\$0	\$0	\$52,000
	\$500 increase in maintenance costs per year.	General Fund	10	With the addition of the Kids Kingdom current and future uses of the park area, additional parking is needed. The city would need to purchase additional property and then install storm sewer.					
Total Priority 2		\$0	\$22,000	\$52,000	\$0	\$0	\$0	\$0	\$74,000
3	Ketchum Park Restroom near Kids Kingdom	\$0	\$88,000	\$0	\$0	\$0	\$0	\$0	\$88,000
	Increased maintenance and utility costs for restroom.	General Fund	25	Install a restroom facility for Kids Kingdom Playground.					
3	Purchase New Playground Equipment	\$0	\$0	\$45,000	\$0	\$0	\$0	\$0	\$45,000
	No effect on operational revenues and expenditures anticipated.	General Fund	25	New playground equipment will be needed to replace equipment and to meet accessibility standards as indicated in the Parks & Rec Master Plan.					
3	Observation Deck	\$9,000	\$0	\$0	\$0	\$0	\$0	\$7,500	\$16,500
	Increase cost to maintain the deck.	General Fund/MDNR grant	10	Construct an observation deck in the Brooks Nature Area allowing visitors to view the lake.					
3	Phase I Riverfront Park Development	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000	\$150,000
	Increased maintenance area would have a direct increase on operational costs.	General Fund (50%) and DNR grant (50%)	100	Develop land east of City garage following the Parks and Recreation Master Plan guidelines.					
3	Boat Launch at PSB	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000
	Long term maintenance costs unknown	General Fund	50	Construct concrete ramp leading to boat launch on Kalamazoo River at PSB					
3	Ketchum Park Parking & Access	\$0	\$40,000	\$0	\$0	\$0	\$0	\$0	\$40,000
	\$500 increase in maintenance per year for striping, plowing, keeping bridge & boardwalk treated.	General Fund	20	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.					

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
3	Riverwalk Connection to Ketchum Park	\$0	\$0	\$300,000	\$0	\$0	\$0	\$307,500	\$607,500
	Increase maintenance costs--no figures available.	General Fund/DNR Grants	30	Riverwalk connection to Ketchum Park, County Park and the Fair Grounds					
3	Kalamazoo Riverfront Parks Planning	\$0	\$0	\$40,000	\$0	\$0	\$0	\$45,000	\$85,000
	Development into Riverfront will increase maintenance and operations costs.	General Fund and DNR	30	Develop land area for park and activity development as needs and funds are recognized.					
3	Phase V Riverwalk Design	\$0	\$0	\$40,000	\$0	\$0	\$0	\$0	\$40,000
	None; this is design phase only.	General Fund	20	Design next phase of Kalamazoo Riverwalk extending from Kalamazoo Ave. westerly to Pearl St. sub-station area.					
3	Walnut Street Riverwalk Connection	\$0	\$0	\$30,000	\$0	\$0	\$0	\$0	\$30,000
	Increase in operational costs--walkway will require periodic maintenance.	General Fund	50	Construct pedestrian walkway including sidewalk, bridge and lighting from Monroe through Walnut, then to Locust, then to Marshall House for Riverwalk connection.					
3	Park Identification Signs	\$0	\$0	\$12,000	\$0	\$0	\$0	\$0	\$12,000
	Increase to park maintenance (no cost given)	General Fund	25	Park identification signage for the city's major parks. Signs will promote unified identify for park system and enhance park properties.					
Total Priority 3		\$9,000	\$253,000	\$467,000	\$0	\$0	\$0	\$435,000	\$1,164,000
4	Sherman Court Pond Nature Trail	\$5,000	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$15,000
	Minor maintenance cost increase. Direct cost associated with proper signage to minimize risk.	General Fund	20	Provide soft trails through natural area around pond.					
Total Priority 4		\$5,000	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$15,000
Total Parks		\$227,000	\$280,000	\$524,000	\$0	\$0	\$0	\$435,000	\$1,466,000
Police									

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
1	Two Position Phone System w/ORION mapping	\$170,151	\$0	\$0	\$0	\$0	\$0	\$0	\$170,151
	The current 911 phone system is old and will no longer be supported after June 30, 2008. Replacement parts, if they can be found, will be scarce and very expensive to replace on the existing system.	General Fund or possibly IPC	10	The CIP is being submitted in the event the City of Marshall does not combine its Dispatch Center with the City of Albion. The 911 phone equipment will be purchased under the State of Michigan's contract #071B5000240. The phone and mapping system is compliant with state statutes requiring the equipment that must be utilized in the operation of a 911 Center.					
1	Public Safety & Town Hall Facility Design	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000
	None. This is a design phase only.	General Fund	35	Architectural design to expand or remodel town hall for public safety needs. Technology, equipment and lack of space require this to be elevated to an immediate need.					
1	Motorola Mobile Data Equipment	\$46,482	\$0	\$0	\$0	\$0	\$0	\$0	\$46,482
	It is expected we will soon be able to use E*Ticketing to print and send the tickets directly to the court. This will minimize the need to send an officer to the court on a regular basis to take the "court work".	General Fund	5	The purpose of the project is to enhance our technology and afford us the potential of submitting a large number of reports from the patrol car.					
1	In-car Video Monitoring Equipment	\$0	\$20,000	\$7,500	\$15,000	\$0	\$0	\$0	\$42,500
	\$500 increase in maintenance per year for software and infrastructure upgrades.	General Fund and grant funds	5	Car cameras are used for officer protection as well as minimizing liability risks to the City. Purchase program to equip five police vehicles.					
1	Public Safety & Town Hall Facility Remodel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Increased costs for heating, cooling, telephone, cleaning lighting and long-term maintenance depending on design.	General Fund	25	Renovate Town Hall to better accommodate Public Safety based on architectural design (cost TBD based on design). Technology, equipment and lack of space require this to be elevated to an immediate need.					
Total Priority 1		\$316,633	\$20,000	\$7,500	\$15,000	\$0	\$0	\$0	\$359,133
Total Police		\$316,633	\$20,000	\$7,500	\$15,000	\$0	\$0	\$0	\$359,133
Streets									
1	Salt Barn	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
	Material costs can be saved by purchasing in larger quantities	General Fund and Act 51 Funding	25	The existing salt shed is falling down and holds very small quantities of salt and sand. Staff is proposing a structure that will hold 400-800 tons of salt and is cost effective for its intended use.					

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
1	Repare Marshall Avenue	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000
	Project to coordinate with the Mill Race bridge deck maintenance to increase service life.	MVH Major	25	Mill and pave Marshall Avenue from railroad tracks south to Hughes Street and restripe accordingly.					
1	Bridge Maintenance-Marshall Ave. @ Mill Race	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$30,000
	None.	MVH-Major	50	Preventative maintenance on Marshall Avenue bridge structure over the Mill Race.					
1	Homer Road repaving and shoulder improvements	\$40,800	\$0	\$0	\$0	\$0	\$0	\$163,000	\$203,800
	Reduced maintenance and increase safety due to paved shoulders.	MVH Major; MDOT Grant \$163,000	15	Homer Road from Division to Marshall Avenue will be repaved including shoulders. MDOT grant has been secured.					
Total Priority 1		\$160,800	\$0	\$0	\$0	\$0	\$0	\$163,000	\$323,800
2	2008 - 2014 Street Preventative Maintenance	\$12,000	\$13,000	\$12,000	\$11,000	\$15,000	\$0	\$0	\$63,000
	Investment into infrastructure will insure larger dollar amounts will not need to be invested as the system deteriorates.	General Fund/MVH Major/MVH Local	10	Major Street Total (\$39,000): FY 2008-2009: Kalamazoo Avenue from Industrial Road to Brewer Street (\$5,000), Mansion Street from Kalamazoo Avenue to Marshall (\$3,000), and Green Street from Kalamazoo Avenue to Marshall Avenue (4,000) FY 2009-2010: Linden Street from Industrial Road to Wright Lane (\$6,000), Marshall Avenue from Schuyler Street to the City Limits (\$3,000), and East Drive from Michigan Avenue to Forest Street (\$3,000). FY 2012-2013: Marshall Avenue from Hughes Street to Schuyler Street (\$7,000), Linden Street from Wright Lane to Kalamazoo Avenue (\$2,000), and Hanover Street from West Drive to Kalamazoo Avenue (\$6,000). Local Street Total (\$24,000); FY 2009-2010: Prospect from Verona Road to East Drive (\$8,000), Mulberry Street from Industrial to Birch (\$4,000), and Birch from Linden Street to Kalamazoo Avenue (\$1,000). FY 2011-2012: North Drive from Gordon to Hill (\$3,000), Forest from Madison to East (\$3,000), Hill from East to the end (2,000), Wooded from East Drive to O'Keefe (\$3,000), O'Keefe from Wooded to Allen.					
2	Chestnut/Clinton Reconstruction & Improvements	\$225,000	\$0	\$0	\$0	\$0	\$0	\$0	\$225,000
	Reduce labor spent on repairing erosion problems.	MVH Local	30	Install curb and gutter, asphalt paving and drainage improvements on Chestnut from River to Clinton and on Clinton from Elm to the east. This project would coincide with installation of water and sewer mains.					

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
2	Washington/Elm Improvements	\$180,000	\$0	\$0	\$0	\$0	\$0	\$0	\$180,000
	Reduce labor spent on repairing erosion problems.	MVH Local	30	Install curb and gutter, asphalt paving and drainage improvements on Elm from Washington to Clinton and on Washington from Elm to the fairgrounds. This project would coincide with installation of water main.					
2	Mansion Street/North Alley Parking Lot Reconstruction	\$95,000	\$0	\$0	\$0	\$0	\$0	\$0	\$95,000
	Reduce labor for snow removal and parking lot maintenance.	General Fund	30	Remove concrete islands within the parking lot, remove and replace asphalt, improve subgrade, improve drainage, restripe to increase number of parking spots and improve landscaping.					
2	River Street - Double Seal	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000
	Reduced maintenance. Last unpaved street in Marshall.	MVH Local	10	Unpaved portion of River Street will be double sealed to reduce a continuing maintenance problem.					
2	Street Reconstruction 2013-2014	\$0	\$0	\$0	\$0	\$0	\$280,000	\$0	\$280,000
	Investment into infrastructure will insure larger dollar amounts will not need to be invested as the system deteriorates.	General Fund/MVH Major/MVH Local	15	Major Street Total (\$85,000): West Drive from Michigan Avenue to Verona Road (\$85,000). Local Streets (\$195,000): Ferguson Street from Mann to Forest (\$35,000), Mann from Ferguson to Allen (\$40,000), and North Drive from Brewer Street to Gordon Street (\$120,000).					
2	Sidewalk ramp installation	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$0	\$0	\$40,000
	None.	General Fund	50	Repair of 100 sidewalks at intersections under the city's jurisdiction which do not currently have a handicap accessible ramp.					
2	Parking Lot pavement sealing	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$30,000
	Reduction in maintenance on deteriorating parking lots.	General Fund/DDA	5	Pavement sealing program for all city owned or maintained parking lots to extend life of the pavement. 50/50 split					
2	Street Reconstruction 2008-2009	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000
	Investment into infrastructure will insure larger dollar amounts will not need to be invested as the system deteriorates.	General Fund/MVH Local	15	Local Streets Total (\$150,000): Liggett Road from Kalamazoo Avenue to end (\$50,000), and Sycamore Street from Spruce Street to Union (\$100,000).					

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
2	Bridge Replacement-Marshall Ave @ Kalamazoo River	\$65,000	\$177,500	\$0	\$0	\$0	\$0	\$997,500	\$1,240,000
	Increase safety and load handling of the bridge.	MVH Major/MDOT grant	30	Project will include design engineering (FY 08/09), construction engineering, and 5% of the actual construction cost of the complete removal and replacement of Marshall Avenue over the Kalamazoo River (FY 09/10).					
2	Bridge Replacement-Monroe Street @ Rice Creek	\$30,000	\$83,250	\$0	\$0	\$0	\$0	\$441,750	\$555,000
	Increase safety and load handling of the bridge.	MVH Major/MDOT grant	30	Project will include design engineering (FY 08/09), construction engineering, and 5% of the actual construction cost of the complete removal and replacement of Monroe Street Bridge over the Kalamazoo River (FY 09/10).					
2	Sidewalk Repair	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$0	\$90,000
None		General Fund	25	Repair to existing sidewalk throughout the City					
2	Street Reconstruction 2009-2010	\$0	\$210,000	\$0	\$0	\$0	\$0	\$0	\$210,000
	Investment into infrastructure will insure larger dollar amounts will not need to be invested as the system deteriorates.	General Fund/MVH Local/MVH Major	15	Major streets total \$150,000: Eagle Street (\$35,000), Jefferson Street (\$35,000), and Madison Street (\$35,000) from Green to Mansion. Local Streets Total (\$105,000): Page Street from Kalamazoo to Mulberry (\$35,000), Arms Street from Mid Block to Fountain Street (\$45,000), and Jones Street from Hughes to Circle (\$25,000).					
2	Street Reconstruction 2010-2011	\$0	\$0	\$330,000	\$0	\$0	\$0	\$0	\$330,000
	Improvements into infrastructure will insure larger dollar amounts will not need to be invested as the system deteriorates.	General Fund/MVH Major/MVH Local	15	Major streets total \$110,000: Green Street from Jefferson Street to Marshall Avenue (\$55,000) and Monroe Street from Marshall Avenue to Pearl Street (\$55,000). Local Street Total (\$220,000); Green Street from Marshall to the east city limits (\$110,000), and Green Street from West Side to Kalamazoo Avenue (\$110,000).					
2	Street Reconstruction 2011-2012	\$0	\$0	\$0	\$265,000	\$0	\$0	\$0	\$265,000
	Investment into infrastructure will insure larger dollar amounts will not need to be invested as the system deteriorates.	General Fund/MVH Major/MVH Local	15	Major streets total \$100,000: Mansion Street from Verona Road to Kalamazoo Avenue (\$60,000) and Grand Street from Michigan Avenue to Spruce Street (\$40,000). Local Street Total (\$165,000): Division Street from Mansion to Forest (\$70,000), Madison Street from Mansion to Forest (\$70,000), and Forest Street from Division to Madison Street (\$25,000).					
2	Street Reconstruction 2012-2013	\$0	\$0	\$0	\$0	\$295,000	\$0	\$0	\$295,000
	Investment into infrastructure will insure larger dollar amounts will not need to be invested as the system deteriorates.	General Fund/MVH Major/MVH Local	15	Major Street Total (\$100,000): Kalamazoo Avenue from Brewer to Linden Street (\$100,000). Local Street Total (\$195,000): Sibley from East Drive to Forest Street (\$70,000), Gorham Street from Sibley to Gordon Street (\$40,000), and Liberty from Michigan Avenue to Forest (\$85,000).					

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
Total Priority 2		\$794,000	\$513,750	\$372,000	\$306,000	\$330,000	\$300,000	\$1,439,250	\$4,055,000
3	New Sidewalk installation	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$0	\$180,000
	Increase to cost in the form of sidewalk repairs.	General Fund	25	Sidewalks include North Drive from Madison to Marshall Avenue, Pearl from Kalamazoo to River walk 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.					
3	Riverwalk link to Brooks Nature Area	\$28,000	\$0	\$0	\$0	\$0	\$0	\$110,000	\$138,000
	Increased cost for plowing, striping and long term maintenance of the pathway.	MVH Major/MVH Local/Transportation Enhancement Grant	30	Link the Riverwalk to the Brooks Nature Area by installing a 10 foot wide asphalt bike/pedestrian path at Riverwalk terminus at Kalamazoo Avenue south to Woolley Drive, east to Pratt Avenue and south to the new section of the Brooks Industrial Park.					
3	Plant trees through out the city as well as training	\$12,000	\$0	\$0	\$0	\$0	\$0	\$0	\$12,000
	Increased maintenance costs while the trees are maturing - \$500. A saving also as the grant will pay up to 50% of eligible costs.	General Fund 50%; DNR 50%; Community Forestry Grant	50	Marshall is recognized as a Tree City USA and as part of the designation the city is required to plant trees in place of those that were removed					
Total Priority 3		\$70,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$110,000	\$330,000
Total Streets		\$1,024,800	\$543,750	\$402,000	\$336,000	\$360,000	\$330,000	\$1,712,250	\$4,708,800
Town Hall									
1	Town Hall Repairs	\$12,000	\$0	\$0	\$0	\$0	\$0	\$0	\$12,000
	None given.	General Fund	10	Various repairs to Town Hall: -building wall at rear public entrance (may still be leaking); -roof above gas water heater in police garage leaking; -exterior windows peeling and some window sills need replacing. Upon completion of repairs, paint all windows, trim and police garage.					
1	Soft Water System for Town Hall	\$26,250	\$0	\$0	\$0	\$0	\$0	\$0	\$26,250
	The water system throughout Town Hall is extremely old and consists of a myriad of aged pipes. We have been told that a soft water system will extend the life of these water tanks by many years. The service located in the basement is presently galvanized and is soon going to need to be replaced because it is deteriorating so badly. The cost to install the water softener system includes replacement of the old pipes located in the basement. Reduce cleaning of fixtures.	General Fund	10	The project will improve the water quality throughout Town Hall. While our water supply in the City of Marshall is very good, the delivery of the water is equally important. In other words, we must upgrade the pipes to ensure good, quality water. The project will also include the replacement of the water pipes in the basement of Town Hall that are badly deteriorated and soon to fail. We can ill afford to flood the basement of this building					

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
Explanation of effect on Operations		Source of Funding	Estimated Useful Life (Years)	Purpose					
Total Priority 1		\$38,250	\$0	\$0	\$0	\$0	\$0	\$0	\$38,250
2	City Hall Building Security	\$14,500	\$14,500	\$0	\$0	\$0	\$0	\$0	\$29,000
Increase cost for annual maintenance contract.		General Fund	10	Phase 1-Considering Homeland Security and personnel safety a computerized locking/unlocking security system will be installed and exterior doors replaced due to poor condition. Phase 2-extend security system to 2nd floor interior doors for areas that should be secure during and/or after "regular" business hours.					
Total Priority 2		\$14,500	\$14,500	\$0	\$0	\$0	\$0	\$0	\$29,000
Total Town Hall		\$52,750	\$14,500	\$0	\$0	\$0	\$0	\$0	\$67,250
Public Service Building									
1	Replacement copier-PSB	\$16,800	\$0	\$0	\$0	\$0	\$0	\$0	\$16,800
Color copier will reduce cost of printer cartridges for individual printers and reduce waiting times.		General Fund	10	New copier for PSB. Current copier is over ten years old and originally came from City Hall. Maintenance for current copier is called at least once every month due to problems. New copier will be connected to the computer network and save time from printing at individual stations to copy stage. New copiers also comes with scanner. All users would be given a code and a log would be available for protection. Color cartridges yield 35,000 pages.					
Total Priority 1		\$16,800	\$0	\$0	\$0	\$0	\$0	\$0	\$16,800
2	PSB parking lot and drive crack filling & sealing	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
Needs to be done every 5 years.		General Fund	5	The cracks need to be filled and the surface sealed. If this is not done the parking lot will deteriorate to a point that it will need to be replaced.					
Total Priority 2		\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
Total Public Service Building		\$31,800	\$0	\$0	\$0	\$0	\$0	\$0	\$31,800
Total General Fund		\$1,759,283	\$2,444,175	\$957,500	\$375,500	\$385,000	\$340,500	\$4,052,125	\$10,314,083

City of Marshall

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Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure	
Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose							
Recreation										
Recreation										
2	Electronic Sign	\$6,500	\$0	\$0	\$0	\$0	\$0	\$0	\$6,500	
This project may increase revenues by attracting more participation in programs. Increase utilities.		Recreation Fund (\$5,800); Memorial Fund (\$700)	11	The purchase of an electronic sign to be placed at the Athletic Field would; provide identification for those traveling to Marshall to use the facility, allow activities and events to be posted and advertised, and allow for other Department programs/deadlines/registrations to be posted and advertised. This project will require installation of electrical lines as well						
2	Replace current Digital Duplicator	\$0	\$8,400	\$0	\$0	\$0	\$0	\$0	\$8,400	
Expenses will increase by (approx.) \$800 maintenance agreement per year. In-house printing per year will decrease expenses by \$1,300 savings on bi-annual brochure and \$525 on envelopes alone. In addition, in-house printing of all other publications, flyers and mini brochures will decrease expenses as well. Should the city go back to printing the Town Crier and use the Recreation Department Digital Duplicator the savings will be \$4,044 per year.		Recreation fund 49%; General fund 51%	10	Replace curen digital duplicator. The current duplicator is approaching the end of useful life and is already in the 07/08 FY starting to show signs of its age. Repairs and maintenance are more frequent.						
2	Seal coating & Striping Athletic Field Parking Lot	\$7,500	\$0	\$0	\$0	\$0	\$7,500	\$0	\$15,000	
None expected. This is a general maintenance to ensure the life of the parking lot.		Recreation Fund	5	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.						
2	Replacement of Athletic Field Light System	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000	
No effect on operational expenditures.		Recreation Fund	15	The current lights on diamond #1 & #2 are approaching the end of their expected life. The entire system should be replaced.						
Total Priority 2		\$14,000	\$8,400	\$300,000	\$0	\$0	\$7,500	\$0	\$329,900	
3	Dug Outs	\$41,200	\$0	\$0	\$0	\$0	\$0	\$0	\$41,200	
Potential increased revenue by attracting additional tournaments.		Recreation Fund	10	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.						

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Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
3	Installation of Scoreboards/Electricity-Fields #3 & #4	\$9,500	\$0	\$0	\$0	\$0	\$0	\$0	\$9,500
	Utilities expenditure will increase-- approximately \$500/yr.	Recreation Fund	20	The purchase of electronic scoreboards for diamond #3 and #4 enhance recreational opportunities on these diamonds. This will require installation of electrical lines as well.					
Total Priority 3		\$50,700	\$0	\$0	\$0	\$0	\$0	\$0	\$50,700
Total Recreation		\$64,700	\$8,400	\$300,000	\$0	\$0	\$7,500	\$0	\$380,600
Total Recreation		\$64,700	\$8,400	\$300,000	\$0	\$0	\$7,500	\$0	\$380,600

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Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
Explanation of effect on Operations		Source of Funding	Estimated Useful Life (Years)	Purpose					
Compost									
Compost									
2	Screening Machine for compost center and DPW	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
	The city currently rents a screening machine which costs between \$3,600 to \$4,600 a year. \$3,333 annual depreciation.	General Fund	15	The problem the city has is that when it is time to get a screening machine, we are not guaranteed that the weather will cooperate when the material is ready to be screened. The material needs to be dry.					
Total Priority 2		\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
Total Compost		\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
Total Compost		\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000

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Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
DDA									
Downtown Development Authority									
2	Parking lot pavement sealing	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$0	\$25,000
	Reduction in maintenance on deteriorating parking lots.	DDA/General Fund	5	Pavement sealing program for all city owned or maintained parking lots to extend life of the pavement. 50/50 split Total cost \$10,000 each year					
Total Priority 2		\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$0	\$25,000
Total Downtown Development Authority		\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$0	\$25,000
Total DDA		\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$0	\$25,000

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)						
Mshl. House-Replacement Reserve									
Marshall House									
1	Carpet Replacement	\$33,000	\$0	\$0	\$0	\$0	\$0	\$0	\$33,000
	Depreciation expense of \$3,300 annually.	Replacement Reserve	10	Current common area carpet installed 1998. Life expectancy is 7-10 years.					
1	ADA Tub-Shower Combinations & Vinyl Floor Covering	\$9,000	\$0	\$0	\$0	\$0	\$0	\$0	\$9,000
	\$900 depreciation expense annually over 10 years.	Replacement Reserve	25	Replacement of current tubs which are unsafe, with ADA compliant tub-shower combinations and update vinyl floor as needed on move outs.					
Total Priority 1		\$42,000	\$0	\$0	\$0	\$0	\$0	\$0	\$42,000
3	Trash Compactor	\$0	\$0	\$0	\$12,862	\$0	\$0	\$0	\$12,862
	Trash compactor is original to the building, hard to find parts or parts need to be made for a breakdown.	Marshall House	20	Trash compactor is original to the building, hard to find parts or parts need to be made for a breakdown.					
Total Priority 3		\$0	\$0	\$0	\$12,862	\$0	\$0	\$0	\$12,862
Total Marshall House		\$42,000	\$0	\$0	\$12,862	\$0	\$0	\$0	\$54,862
Total Mshl. House-Replacement Reserv		\$42,000	\$0	\$0	\$12,862	\$0	\$0	\$0	\$54,862

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)						
Mshl. House-Bond Issue									
Marshall House									
1	Water Infiltration Remediation	\$0	\$595,000	\$0	\$0	\$0	\$0	\$0	\$595,000
	Immediate-reduction in costs to repair water damage in apartments. Long range-reduction in costs by avoiding major structural expenses down the road. Depreciation expense of \$23,800 annually.	Bond Issue	25	Building rehabilitation to remediate water infiltration based on engineering study. Roof replacement is included as a separate item but also part of the remediation study. Currently work is being done to seal the exterior.					
1	Roof	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000
	\$13,334 depreciation expense per year.	Bond issue	15	Current roof installed in 1990. Life expectancy is 15 years.					
Total Priority 1		\$0	\$795,000	\$0	\$0	\$0	\$0	\$0	\$795,000
3	Kitchen Replacement	\$0	\$561,200	\$0	\$0	\$0	\$0	\$0	\$561,200
	Depreciation expense of \$37,414 annually. Repayment of principal and interest estimated at \$30,000 per year for 15 year debt issue.	Bond issue	15	Remove old and replace with new cabinets, countertops and floor coverings with vinyl base. Current items from original construction in 1979. This is for all individual units in the building.					
Total Priority 3		\$0	\$561,200	\$0	\$0	\$0	\$0	\$0	\$561,200
4	Replace Elevators	\$363,500	\$0	\$0	\$0	\$0	\$0	\$0	\$363,500
	Depreciation expense of \$14,540 annually.	Bond issue	25	Existing elevators (2) are experiencing problems with the jack assemblies and power units that do not pose a safety concern but are troubling to the tenants. The life expectancy on many elevator parts is 25 years. These are the original elevators installed in 1979. Replacing the worn parts is nearly the same cost as complete replacement.					
Total Priority 4		\$363,500	\$0	\$0	\$0	\$0	\$0	\$0	\$363,500
Total Marshall House		\$363,500	\$1,356,200	\$0	\$0	\$0	\$0	\$0	\$1,719,700
Total Mshl. House-Bond Issue		\$363,500	\$1,356,200	\$0	\$0	\$0	\$0	\$0	\$1,719,700

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
Electric									
Electric									
1	FERC - Post Licensing Activities	\$7,700	\$17,000	\$14,000	\$41,000	\$0	\$0	\$0	\$79,700
None.		Electric Fund	30	Items are required as part of the hydro operations license, which include aquatic plant monitoring, wildlife management enhancement, Indiana bat protection (protected species), sediment and fish tissue monitoring, erosion control and water quality. Failure to comply will mean forfeiture of the city's hydro license.					
1	Installation of new pilot wire relaying	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000
	Replace relays to give the proper protection to the main tie lines between the Pearl Street Substation, South Substation and the Power Plant completing a project started in 2000. The current relays will be moved to circuit feeders in the Metal Clad bus to provide updated relaying and automated re-closing of these circuits to minimize outage times.	Electric	10	These relays provide selective high-speed clearing of all faults on a protected line, using a pilot wire circuit to compare line currents at all terminals of the line. Simultaneous clearing at all terminals minimizes damage, permits high-speed re-closing and improves the stability of the system.					
1	Secondary Oil Containment	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000
	Cost savings in the event of an oil spill unknown.	Electric	20	Partially completed project of areas addressed in our Spill Prevention Control and Countermeasure Plan. Corrective actions needed to conform to state and federal standards, and for continued pollution liability coverage.					
1	Arc Flash Analysis and Training	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	OSHA, NFPA, NESC required analysis, training, labeling and garments to protect workers in the event of an arc flash becomes mandatory for compliance January 01, 2009.	Electric							
Total Priority 1		\$47,700	\$17,000	\$14,000	\$41,000	\$0	\$0	\$0	\$119,700
2	Automated Load Control of Hydro	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000
	No direct cost. Indirect savings by meeting FERC licensing recommendations.	Electric Fund	25	FERC & MDNR is requesting an automated Run of River operation be installed and maintained. This will maintain the water level through the hydro plant to meet the requirements of FERC.					

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Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
2	Upgrade Engine Protection System	\$15,000	\$15,000	\$0	\$0	\$0	\$0	\$0	\$30,000
	Due to limited work force and the antiquated 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.	Electric Fund	20	To allow a small work force to operate the equipment as needed by MSCPA and the customers of the City of Marshall.					
2	Overhaul East Well pump	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
	\$1500 depreciation expense annually	Electric Fund	10	Recommended every 10 years by Peerless Midwest. Replace unsatisfactory facilities to maintain the agency program at current level of performance.					
2	Painting of Outdoor Electric Equipment	\$0	\$0	\$0	\$10,000	\$0	\$0	\$0	\$10,000
	Indirect savings by maintaining equipment to insure longevity, safety and efficient operations.	Electric Fund	5	Maintain outdoor electrical equipment through proper cleaning and painting.					
2	Installation of Circuit Reclosers	\$18,000	\$18,000	\$0	\$0	\$0	\$0	\$0	\$36,000
	Reduction of customer outage time.	Electric Fund	10	An autorecloser is a circuit breaker equipped with a mechanism that can automatically close the breaker after it has been opened due to a fault.					
2	Replace East & West Overhead Fuel Tanks	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
	Direct increase in cost for pollution liability coverage. Indirect savings should a leak, spill or overflow occur since there is no insurance coverage for this risk exposure.	Electric Fund	50	Replace the overhead fuel tanks used in the operation of the diesel engines and update the system with overflow protection and level alarms to meet EPA standards. This is necessary to obtain pollution liability insurance.					
2	Upgrade distribution lines in Industrial Park area	\$100,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$200,000
	A reliable and alternate power source for existing customers, also future capacity for expansion.	Electric	30						

City of Marshall

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Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
2	Capacitor Banks	\$18,000	\$20,000	\$22,000	\$0	\$0	\$0	\$0	\$60,000
	Capacitors save money by releasing system capacity, reducing power losses, improving voltage conditions and eliminating power factor penalties. Power losses are directly connected to environmental load, lowering losses is also an environmental gain.	Electric	20	To provide quality electricity to our customers while reducing kvar charges.					
2	Install fiber to Industrial Park Reclosers	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
	This will allow operators to see the operations and to operate on the reclosers installed in the circuits feeding the Industrial Park area to help in outage restoration and transferring of load if necessary.	Electric	25						
2	Upgrade Plant #1 House Power Panels	\$7,500	\$7,500	\$7,500	\$7,500	\$0	\$0	\$0	\$30,000
	No direct cost or savings.	Electric Fund	30	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.					
2	Upgrade Lube Oil Filter Systems on #2 & #5 Engines	\$7,500	\$7,500	\$0	\$0	\$0	\$0	\$0	\$15,000
	Reduction in electric usage/charges due to a more energy efficient system. Indirect savings due to better filtering of the lube oils (use oil longer; less wear on the equipment).	Electric Fund	30	Upgrade piece meal systems with new, more efficient equipment.					
2	Upgrade Lube Oil Heating Systems on #2 & #5 Engines	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$10,000
	Reduction in electric usage/charges due to a more energy efficient system.	Electric Fund	30	Upgrade piece meal systems with new, more efficient equipment.					
2	Engine #3 & #6 gauge panel replacement	\$0	\$80,000	\$0	\$80,000	\$0	\$0	\$0	\$160,000
	Presumed savings unknown.	Electric fund	20	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.					

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Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
2	Air Compressor Replacement	\$0	\$15,000	\$15,000	\$15,000	\$0	\$0	\$0	\$45,000
	No direct cost or savings.	Electric Fund	30	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.					
2	Power House Roof Repairs	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000
	Deferring maintenance of the structure could result in more costly damage and repairs.	Electric Fund	25	Maintain existing facilities.					
2	Overhaul West Well pump	\$0	\$0	\$15,000	\$0	\$0	\$0	\$0	\$15,000
	\$1,500 depreciation per year	Electric Fund	10	Recommended every 10 years by Peerless Midwest. Replace unsatisfactory facilities to maintain the agency program at current level of performance.					
2	Raceway/Dam Maintenance	\$0	\$0	\$0	\$15,000	\$0	\$15,000	\$0	\$30,000
	No direct cost or savings.	Electric Fund	20	Maintain the structures for safe & efficient operations to meet FERC mandates/licensing. This is a 5-year maintenance program of the concrete structures.					
2	Overhaul #3 Engine Raw Water Pump	\$0	\$0	\$0	\$0	\$10,000	\$0	\$0	\$10,000
	No direct cost or savings; will maintain generating equipment for safe and efficient operation.	Electric Fund	10	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.					
Total Priority 2		\$246,000	\$268,000	\$109,500	\$127,500	\$10,000	\$15,000	\$0	\$776,000
3	Plant Video Camera System	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
	Possible increased cost for storing digital images on computer based on use.	Electric Fund	20	Install video cameras inside the Power Plant for security purposes when building is empty.					
3	Rewind Generator #2	\$0	\$94,500	\$0	\$0	\$0	\$0	\$0	\$94,500
	\$3,150 depreciation expense per year.	Electric Fund	30	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.					

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)						
3	Rewind Generator #5 \$3467 depreciation expense per year.	\$0 Electric Fund	\$0 30	\$104,000	\$0	\$0	\$0	\$0	\$104,000
									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.
3	Recondition #1 Hydro 2,500 depreciation expense per year.	\$0 Electric	\$0 30	\$0	\$0	\$75,000	\$0	\$0	\$75,000
									Improve the efficiency of the hydro power supply generated by the river flow.
3	Recondition #3 Hydro \$1,667 depreciation expense per year.	\$0 Electric Fund	\$0 30	\$0	\$0	\$0	\$50,000	\$0	\$50,000
									Improve the efficiency of the hydro power supply generated by the river flow.
Total Priority 3		\$15,000	\$94,500	\$104,000	\$0	\$75,000	\$50,000	\$0	\$338,500
4	Retrofit Breakers in Plant #1 Switchgear No direct cost or savings.	\$0 Electric Fund	\$50,000 30	\$50,000	\$0	\$0	\$0	\$0	\$100,000
									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.
4	Upgrade Transformer in South Substation No direct cost or savings.	\$0 Electric Fund	\$0 30	\$0	\$200,000	\$0	\$0	\$0	\$200,000
									The transformer is circa 1972 that tests okay as of now but will need replacement in the future.
Total Priority 4		\$0	\$50,000	\$50,000	\$200,000	\$0	\$0	\$0	\$300,000
Total Electric		\$308,700	\$429,500	\$277,500	\$368,500	\$85,000	\$65,000	\$0	\$1,534,200
Total Electric		\$308,700	\$429,500	\$277,500	\$368,500	\$85,000	\$65,000	\$0	\$1,534,200

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Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
Electric-Revenue Bond									
Electric									
2	Industrial Park Substation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Long term there will be increased cost for maintaining an additional substation.	Electric Revenue Bond	25	Install an Industrial Park substation to relieve overloading of current Lyon Lake and Industrial Park circuits. This will increase reliability.					
Total Priority 2		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Remove 2400 Volt Switchgear and rewind Hydros	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$0	\$200,000
	\$8,000 depreciation expense per year.	Electric Revenue Bond	25	Maintain electrical facilities.					
Total Priority 4		\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$0	\$200,000
Total Electric		\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$0	\$200,000
Total Electric-Revenue Bond		\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$0	\$200,000

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Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
Waste Water									
Waste Water									
1	Lining the Wet Well at Fountain Street Lift Station	\$12,000	\$0	\$0	\$0	\$0	\$0	\$0	\$12,000
	No direct cost or savings.	Waste Water Fund	30	The concrete in the wet well is deteriorating. The well will be lined with a ceramic coating to extend its life. The problem was discovered during the lift station replacement in 2006.					
1	Ferric Tank Replacement	\$22,000	\$0	\$0	\$0	\$0	\$0	\$0	\$22,000
	No direct cost or savings.	Waste Water Fund	30	Replace 35 year old fiberglass tank					
Total Priority 1		\$34,000	\$0	\$0	\$0	\$0	\$0	\$0	\$34,000
2	Chestnut/Clinton Reconstruction & Improvements	\$60,000	\$0	\$0	\$0	\$0	\$0	\$0	\$60,000
	Long term increase for maintenance of additional sewer main offset by potential increased revenue as more customers hook into the city waste water system	Waste Water Fund	30	Install sewer lines on Chestnut from River to Clinton and on Clinton from Elm to the east. This project would coincide with installation of water mains, curb, gutter, asphalt and drainage improvements.					
2	Valve Replacement	\$20,000	\$20,000	\$20,000	\$0	\$0	\$0	\$0	\$60,000
	\$667 annual depreciation expense. Planned purchase could reduce unanticipated costs if current valves failed.	Waste Water Fund	30	Replace 30 year old valves at the WWTP to insure quality treatment. Parts for current valves no longer available.					
2	Install Electric Gate	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000
	Indirect savings by gaining more productivity from employee who doesn't have to manually open and close the gate.	Waste Water Fund	30	Homeland security measures require the gate remain closed when only one employee is on duty. For safety and convenience, an electric gate should be installed.					
2	Raw sludge tank mixer	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
	Adequate replacement now will save on continual repair costs.	Waste Water Fund	20	Replace the worn out gear box and mixer. The mixing of raw biosolids are done prior to the thickening process.					

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Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose						
2	Gear Box Replacement	\$20,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$40,000
No direct cost or savings		Waste Water Fund	20	Replace gearboxes (stabilize sludge tank)					
2	Replace High School Lift Station	\$0	\$90,000	\$0	\$0	\$0	\$0	\$0	\$90,000
Lift station installed in 1971; newer pumps will reduce maintenance and electric costs. The risk for injury due to confined space is eliminated producing an indirect savings for confined space equipment use/needs & lost productivity.		Waste Water Fund	25	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.					
2	Replace Industrial Park Lift Station	\$0	\$0	\$125,000	\$0	\$0	\$0	\$0	\$125,000
Lift station installed in 1972; newer pumps will reduce maintenance and electric costs. The risk for injury due to confined space is eliminated producing an indirect savings for confined space equipment use/needs & lost productivity.		Waste Water Fund	25	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.					
2	Primary Sludge Pump	\$0	\$0	\$20,000	\$0	\$0	\$0	\$0	\$20,000
None.		Waste Water Fund	20	To replace 34 year old pumps.					
Total Priority 2		\$131,000	\$130,000	\$165,000	\$0	\$0	\$0	\$0	\$426,000
3	Pave Road to Waste Water Plant	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
Savings by not having to grade the road throughout the year.		Waste Water Fund	30	Pave the gravel roadway from Industrial Road/Mulberry St. to the Waste Water plant.					
3	Electrical Controls Replacement	\$0	\$0	\$0	\$65,000	\$0	\$0	\$0	\$65,000
None.		Waste Water Fund	30	Current controls are 30 years old and replacement parts are no longer available					
Total Priority 3		\$15,000	\$0	\$0	\$65,000	\$0	\$0	\$0	\$80,000
Total Waste Water		\$180,000	\$130,000	\$165,000	\$65,000	\$0	\$0	\$0	\$540,000

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Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)						
Total	Waste Water	\$180,000	\$130,000	\$165,000	\$65,000	\$0	\$0	\$0	\$540,000

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Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose						
Water									
Water									
2	Water Tower Access Paving	\$6,500	\$0	\$0	\$0	\$0	\$0	\$0	\$6,500
Reduce site repair after the winter season.	Water Fund		15	Paving of driveway to access the Industrial Road water tower to reduce rutting & damage to the water tower site caused by trucks, equipment and snow removal operations.					
2	Water Tower Repainting	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Indirect cost savings by maintaining asset rather than allowing it to deteriorate and require replacement.	Water Fund (reserves)		10	Recoating of tower to preserve and protect 200,000 gallon tank on Industrial Road					
Total Priority 2		\$6,500	\$0	\$75,000	\$0	\$0	\$0	\$0	\$81,500
3	Replace Chlorine Gas with Sodium Hypochlorite	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Increase in operational costs because sodium hypochlorite is a more expensive alternative.	Water Fund		20	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.					
3	Replace Well House #4	\$0	\$0	\$20,000	\$0	\$0	\$0	\$0	\$20,000
Increased cost for heating a larger building.	Water Fund		30	Replace the extra small well house that currently houses the #4 well.					
Total Priority 3		\$0	\$0	\$120,000	\$0	\$0	\$0	\$0	\$120,000
Total Water		\$6,500	\$0	\$195,000	\$0	\$0	\$0	\$0	\$201,500
Total Water		\$6,500	\$0	\$195,000	\$0	\$0	\$0	\$0	\$201,500

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Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
Water Revenue									
Water									
2	Chestnut/Clinton Reconstruction & Improvements	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
	Long term increase for maintenance of additional water main offset by potential increased revenue as more customers hook into the city water system.	Water-Revenue Bond	30	Install sewer lines on Chestnut from River to Clinton and on Clinton from Elm to the east. This project would coincide with installation of sewer mains, curb, gutter, asphalt and drainage improvements.					
2	Marshall Avenue Water Main Project	\$0	\$170,000	\$0	\$0	\$0	\$0	\$0	\$170,000
	Tracking water main breakage, we have found this area to be concentrated with water main breaks which has resulted in major repair expenses.	Water-Revenue Bond	50	Due to an increase concentration of watermain breaks the 6" Cast Iron Watermain from Forest Street to North Drive will be replaced with a 8" ductile iron watermain					
2	Install New Water Service on Washington & Elm	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
	Long term increase for maintenance of additional water main offset by potential increased revenue as more customers hook into the city water system.	Water-Revenue Bond	30	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, drainage and street improvements.					
2	Allen Road Water Main Project	\$0	\$120,000	\$0	\$0	\$0	\$0	\$0	\$120,000
	Tracking water main breakage, we have found this area to be concentrated with water main breaks which has resulted in major repair expenses.	Water-Revenue Bond	50	Due to an increase concentration of watermain breaks the 6" Cast Iron Watermain from Mann Road to Forest Street will be replaced with a 8" ductile iron watermain.					
Total Priority 2		\$75,000	\$290,000	\$0	\$0	\$0	\$0	\$0	\$365,000
3	Water main improvements in 400 Blk of Ferguson	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000
	Improve fire protection and water quality. \$2,000 depreciation expense annually.	Water-Revenue Bond	50	To replace a section of 4" cast iron unlined water main on Ferguson Street between Mann Rd. and Forest Street					
3	Water main Improvements in 600 Blk of W. Prospect	\$0	\$60,000	\$0	\$0	\$0	\$0	\$0	\$60,000
	\$1,200 depreciation expense annually.	Water-Revenue Bond	50	To replace a section of 4" cast iron unlined water main on W. Prospect St. between Mulberry and Linden Streets.					

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
3	Water Main Improvements-- Michigan Ave. \$8200 depreciation expense annually.	\$410,000	\$0	\$0	\$0	\$0	\$0	\$350,000	\$760,000
		Water-Revenue Bond	50	To replace undersized water mains on East Michigan Ave. from Gordon to Centennial Road. This project would be needed if development occurs east of town.					
3	New Well - Construction Maintenance costs associated with new well and distribution mains. \$30,000 depreciation expense annually.	\$0	\$900,000	\$0	\$0	\$0	\$0	\$0	\$900,000
		Water-Revenue Bond	25	Building and equipment for new well per study conducted. Estimated costs since equipment will depend on the quality of the water at the site and the site location (for distribution purposes within the existing system).					
Total Priority 3		\$410,000	\$1,060,000	\$0	\$0	\$0	\$0	\$350,000	\$1,820,000
Total Water		\$485,000	\$1,350,000	\$0	\$0	\$0	\$0	\$350,000	\$2,185,000
Total Water Revenue		\$485,000	\$1,350,000	\$0	\$0	\$0	\$0	\$350,000	\$2,185,000

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
Dial-A-Ride									
Dial-A-Ride									
1	DART Operation Study	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
	Not known until the study is done to find any deficiencies and cost savings identified in the study.	DART	10	The study will look at scheduling of drivers, equipment allocation, funding, maintenance improvements, as well as comparables with other agencies. As funding is reduced maintaining the current level of services is becoming difficult the city needs to know that it is running an efficient operation and one that is conducive to today's and future economic environments.					
Total Priority 1		\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
2	Bus replacement	\$0	\$0	\$0	\$0	\$0	\$0	\$270,000	\$270,000
	Direct - estimated \$5,000 in revenues from sale of used busses and reduction in maintenance costs.	MDOT Grant	7	Replace aging busses according to state schedule of 7 years old or 200,000 miles, whichever comes first. Estimated schedule as follows: one in 2008-09; one in 2009-10; and 1 in 2010-2011. Possibility of grant money totaling \$270,000.00					
2	DART Dispatching software	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
	Not known at this time.	MDOT	10	There is no easy way to extract data to view peak and down time in order to view driver schedules and make adjustments.					
Total Priority 2		\$5,000	\$0	\$0	\$0	\$0	\$0	\$270,000	\$275,000
Total Dial-A-Ride		\$30,000	\$0	\$0	\$0	\$0	\$0	\$270,000	\$300,000
Total Dial-A-Ride		\$30,000	\$0	\$0	\$0	\$0	\$0	\$270,000	\$300,000

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
Data Processing									
Data Processing									
1	Document Imaging	\$8,000	\$0	\$0	\$0	\$0	\$0	\$0	\$8,000
	Should result in a direct reduction in time spent retrieving documents and information formerly stored in paper files. Indirect cost: increase in hard drive requirements of network to store data.	Data Processing Fund	10	Purchase document imaging hardware and software for internal and external use. This will allow for electronic storage and retrieval of contracts, minutes, invoices, accounts payable checks, city charter, etc.					
Total Priority 1		\$8,000	\$0	\$0	\$0	\$0	\$0	\$0	\$8,000
2	Network Server Upgrade	\$23,603	\$23,603	\$0	\$0	\$0	\$0	\$0	\$47,206
	Continuation of professional services to assist with network engineering and administration.	Data Processing	4	Purchase new network server; costs includes both hardware and installation. Marshall II (oldest server) has Fundbalance, BS&A, and QIS software. Exhs01 server has our email, anti-spam and anti-virus software.					
2	Microsoft Office Suite Upgrade	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000
	Potential for increased training costs for employees to learn new software.	Data Processing	4	Replace outdated word processing, spreadsheet and other software as technology changes. Last upgrade 2003-04 - Microsoft Office 2000/XP (57 licenses)					
Total Priority 2		\$43,603	\$23,603	\$0	\$0	\$0	\$0	\$0	\$67,206
Total Data Processing		\$51,603	\$23,603	\$0	\$0	\$0	\$0	\$0	\$75,206
Total Data Processing		\$51,603	\$23,603	\$0	\$0	\$0	\$0	\$0	\$75,206

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose						
Motor Pool									
Motor Pool									
1	Tracking Software and Training	\$12,000	\$0	\$0	\$0	\$0	\$0	\$0	\$12,000
Provide management with tools to perform cost/benefit analyses for equipment and services which may reduce expenses.	Motor Pool	10	Purchase software for fleet management and work orders to track materials and labor for each piece of equipment. The software can be expanded to generate work orders for other departments, track complaints and build a database of storm sewer and other distribution systems that can be tied to GIS.						
1	Addition of two repair bays to Public Works Building	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000
Having two bays will allow the mechanic to repair multiple pieces of equipment which will reduce down time for the equipment and contracted services. Increase productivity of the mechanic.	General Fund (78,000); Motor Pool (22,000); and MDOT (90,000 Rural Task Force)	20	If it is the desire is to share the facility with the schools then the city needs to add at a minimum two new high wall repair bays. Currently the schools utilize two bays to the city's one. It is impossible for the mechanic to work on two pieces of equipment at a time as when one piece of equipment is on the lift.						
Total Priority 1		\$212,000	\$0	\$0	\$0	\$0	\$0	\$0	\$212,000
2	Radio Consolidation and new repeater	\$6,000	\$2,200	\$2,200	\$2,200	\$0	\$0	\$0	\$12,600
Will reduce the need to carry two mobile radios in the vehicles.	Streets, Water, Wastewater, Electric and DART. Motorpool will fund the changing of mobiles in the streets department from VHF to UHF. Streets will be responsible for purchasing 4 portable radios.	10	Some vehicles are carrying two mobiles so each department can communicate with each other. The current repeater is breaking down and when it does communication between the departments is lost.						
Total Priority 2		\$6,000	\$2,200	\$2,200	\$2,200	\$0	\$0	\$0	\$12,600
Total Motor Pool		\$218,000	\$2,200	\$2,200	\$2,200	\$0	\$0	\$0	\$224,600
Total Motor Pool		\$218,000	\$2,200	\$2,200	\$2,200	\$0	\$0	\$0	\$224,600

City of Marshall

Expenditures by Department/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose						
Grand Total:		\$3,564,286	\$5,749,078	\$1,902,200	\$829,062	\$575,000	\$513,000	\$4,672,125	\$17,804,751

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
Priority 1									
General Fund									
1	Salt Barn	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
	Material costs can be saved by purchasing in larger quantities	General Fund and Act 51 Funding	25	The existing salt shed is falling down and holds very small quantities of salt and sand. Staff is proposing a structure that will hold 400-800 tons of salt and is cost effective for its intended use.					
1	Mobile Eyes Inspection System	\$9,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$15,000
	The system will enhance our ability to integrate fire inspections and responses as well as allow us to keep better and more up to date records on all of the business occupancies in town.	General Fund	20	The Mobile Eyes inspection system will allow us to keep better track on fire inspections and keep more detailed inspection records. It will also allow us to reduce the amount of file storage that is necessary in the offices. The software also allows us to make specifics about a location that might be of importance during an emergency; currently we have no way to recall these pieces of important information unless it is by memory of one of the responders at the scene.					
1	Repave Marshall Avenue	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000
	Project to coordinate with the Mill Race bridge deck maintenance to increase service life.	MVH Major	25	Mill and pave Marshall Avenue from railroad tracks south to Hughes Street and restripe accordingly.					
1	Bridge Maintenance-Marshall Ave. @ Mill Race	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$30,000
	None.	MVH-Major	50	Preventative maintenance on Marshall Avenue bridge structure over the Mill Race.					
1	Replacement copier-PSB	\$16,800	\$0	\$0	\$0	\$0	\$0	\$0	\$16,800
	Color copier will reduce cost of printer cartridges for individual printers and reduce waiting times.	General Fund	10	New copier for PSB. Current copier is over ten years old and originally came from City Hall. Maintenance for current copier is called at least once every month due to problems. New copier will be connected to the computer network and save time from printing at individual stations to copy stage. New copiers also comes with scanner. All users would be given a code and a log would be available for protection. Color cartridges yield 35,000 pages.					
1	Town Hall Repairs	\$12,000	\$0	\$0	\$0	\$0	\$0	\$0	\$12,000
	None given.	General Fund	10	Various repairs to Town Hall: -building wall at rear public entrance (may still be leaking); -roof above gas water heater in police garage leaking; -exterior windows peeling and some window sills need replacing. Upon completion of repairs, paint all windows, trim and police garage.					

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/ Trade In/Other	Total Expenditure
1	Two Position Phone System w/ORJON mapping	\$170,151	\$0	\$0	\$0	\$0	\$0	\$0	\$170,151
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
	The current 911 phone system is old and will no longer be supported after June 30, 2008. Replacement parts, if they can be found, will be scarce and very expensive to replace on the existing system.	General Fund or possibly IPC	10	The CIP is being submitted in the event the City of Marshall does not combine its Dispatch Center with the City of Albion. The 911 phone equipment will be purchased under the State of Michigan's contract #071B5000240. The phone and mapping system is compliant with state statutes requiring the equipment that must be utilized in the operation of a 911 Center.					
1	Soft Water System for Town Hall	\$26,250	\$0	\$0	\$0	\$0	\$0	\$0	\$26,250
	The water system throughout Town Hall is extremely old and consists of a myriad of aged pipes. We have been told that a soft water system will extend the life of these water tanks by many years. The service located in the basement is presently galvanized	General Fund	10	The project will improve the water quality throughout Town Hall. While our water supply in the City of Marshall is very good, the delivery of the water is equally important. In other words, we must upgrade the pipes to ensure good, quality water. The project will also include the replacement of the water pipes in the basement of Town Hall that are badly deteriorated and soon to fail. We can ill afford to flood the basement of this building					
1	Brooks Fountain Equipment Replacement	\$90,000	\$0	\$0	\$0	\$0	\$0	\$0	\$90,000
	With the installation of an updated filtration and lighting system staffs time in repairing the equipment will be reduced. In addition the city will save on water consumption as the fountain will not need to be drained for cleaning as often or not at all.	General fund, fund raising, Kellogg Foundation, Marshall Community Fund, National Scenic Byways and Cronin Foundation Grant	10	Due to the age of the equipment the maintenance of the fountain is taking more time and resources to keep the fountain functioning.					
1	Ketchum Park Parking near Kids Kingdom	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0	\$4,000
	Increased maintenance costs for parking area.	General Fund	25	Create additional parking at Ketchum Park on the south side at/near the Kids Kingdom playground area.					
1	Brooks Fountain Exterior Repair	\$110,000	\$0	\$0	\$0	\$0	\$0	\$0	\$110,000
	Reduce the need to replace the fountain due to the deterioration of the cement and terracotta components.	General Fund, fund raising, Kellogg Foundation, Marshall Community Fund, National Scenic Byways and Cronin Foundation Grant.	10	Staff is searching for an exterior finish that will expand and contract with the different type of materials that the fountain is constructed of. This will help to reduce the need to recoat the exterior every five or so years.					
1	Public Safety & Town Hall Facility Design	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000
	None. This is a design phase only.	General Fund	35	Architectural design to expand or remodel town hall for public safety needs. Technology, equipment and lack of space require this to be elevated to an immediate need.					

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
1	Motorola Mobile Data Equipment	\$46,482	\$0	\$0	\$0	\$0	\$0	\$0	\$46,482
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
	It is expected we will soon be able to use E*Ticketing to print and send the tickets directly to the court. This will minimize the need to send an officer to the court on a regular basis to take the "court work".	General Fund	5	The purpose of the project is to enhance our technology and afford us the potential of submitting a large number of reports from the patrol car.					
1	Homer Road repaving and shoulder improvements	\$40,800	\$0	\$0	\$0	\$0	\$0	\$163,000	\$203,800
	Reduced maintenance and increase safety due to paved shoulders.	MVH Major; MDOT Grant \$163,000	15	Homer Road from Division to Marshall Avenue will be repaved including shoulders. MDOT grant has been secured.					
1	Security Cameras North & South Ketchum Park	\$9,000	\$0	\$0	\$0	\$0	\$0	\$0	\$9,000
	Reduce maintenance costs by \$2,000 to \$3,000 a year on repairs.	General fund, Rotary Club, Marshall Community Fund	10	The North Ketchum bathrooms have consistently been vandalized. Individuals have donated materials and/or labor to help fix them up only to have them vandalized again. The cameras will be of the kind that will allow perpetrators to be recognized. There will be two cameras on the North Ketchum side and one focused on the Kids Kingdom with the ability to add another.					
1	Fire pager replacement (Motorola Minitor V model)	\$8,800	\$8,800	\$0	\$0	\$0	\$0	\$0	\$17,600
	Currently a major portion of our fire pagers are or are becoming obsolete and non-supported by the manufacturer also, by the federal communications commission narrowing of the banding of the V.H.F. frequencies. The pagers are used to notify off-duty and	General fund	10	Our department has 34 Motorola fire pagers in service presently. Of these, eighteen are Minitor II models (52%) and are obsolete and have been for a number of years and if they malfunction they can't be repaired unless parts are in stock or found on E-bay.					
1	Structural Fire Fighting Protective Clothing Purchase	\$8,000	\$8,500	\$9,000	\$9,500	\$10,000	\$10,500	\$0	\$55,500
	Currently the State of Michigan has mandated that all structural fire fighting protective clothing must meet or exceed the 2000 edition of the National Fire Protection Association's standard for structural fire fighting protective clothing, 19 of our fire	General Fund or possible FEMA grant with a 5% match.	5	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 burde of having to make a large one time purchase.					
1	Replacement for 12-42 (Snorkel Truck)	\$0	\$890,000	\$0	\$0	\$0	\$0	\$0	\$890,000
	The truck will be a useful addition to assist in extinguishing fires on second or higher floors of buildings/residences in our historic downtown area.	General Fund; Installment Purchase Contract; Bond	20	The new ladder truck will replace the existing Snorkel truck. The "outriggers" on the present 12-42 are old and "scored" and this has weakened them. Even though the truck has been certified for use, the potential exists for them to give way and this could cause the truck to overturn. The truck recently received a preventive maintenance inspection and numerous repairs have been completed making it safe for operation.					
1	In-car Video Monitoring Equipment	\$0	\$20,000	\$7,500	\$15,000	\$0	\$0	\$0	\$42,500
	\$500 increase in maintenance per year for software and infrastructure upgrades.	General Fund and grant funds	5	Car cameras are used for officer protection as well as minimizing liability risks to the City. Purchase program to equip five police vehicles.					

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
1	Public Safety & Town Hall Facility Remodel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Increased costs for heating, cooling, telephone, cleaning lighting and long-term maintenance depending on design.	General Fund	25	Renovate Town Hall to better accommodate Public Safety based on architectural design (cost TBD based on design). Technology, equipment and lack of space require this to be elevated to an immediate need.					
Total	General Fund	\$771,283	\$933,300	\$16,500	\$24,500	\$10,000	\$10,500	\$163,000	\$1,929,083
Mshl. House-Replacement Reserve									
1	Carpet Replacement	\$33,000	\$0	\$0	\$0	\$0	\$0	\$0	\$33,000
	Depreciation expense of \$3,300 annually.	Replacement Reserve	10	Current common area carpet installed 1998. Life expectancy is 7-10 years.					
1	ADA Tub-Shower Combinations & Vinyl Floor Covering	\$9,000	\$0	\$0	\$0	\$0	\$0	\$0	\$9,000
	\$900 depreciation expense annually over 10 years.	Replacement Reserve	25	Replacement of current tubs which are unsafe, with ADA compliant tub-shower combinations and update vinyl floor as needed on move outs.					
Total	Mshl. House-Replacement Reserve	\$42,000	\$0	\$0	\$0	\$0	\$0	\$0	\$42,000
Mshl. House-Bond Issue									
1	Water Infiltration Remediation	\$0	\$595,000	\$0	\$0	\$0	\$0	\$0	\$595,000
	Immediate-reduction in costs to repair water damage in apartments. Long range-reduction in costs by avoiding major structural expenses down the road. Depreciation expense of \$23,800 annually.	Bond Issue	25	Building rehabilitation to remediate water infiltration based on engineering study. Roof replacement is included as a separate item but also part of the remediation study. Currently work is being done to seal the exterior.					
1	Roof	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000
	\$13,334 depreciation expense per year.	Bond issue	15	Current roof installed in 1990. Life expectancy is 15 years.					
Total	Mshl. House-Bond Issue	\$0	\$795,000	\$0	\$0	\$0	\$0	\$0	\$795,000
Electric									

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
1	FERC - Post Licensing Activities	\$7,700	\$17,000	\$14,000	\$41,000	\$0	\$0	\$0	\$79,700
	None.	Electric Fund	30	Items are required as part of the hydro operations license, which include aquatic plant monitoring, wildlife management enhancement, Indiana bat protection (protected species), sediment and fish tissue monitoring, erosion control and water quality. Failure to comply will mean forfeiture of the city's hydro license.					
1	Secondary Oil Containment	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000
	Cost savings in the event of an oil spill unknown.	Electric	20	Partially completed project of areas addressed in our Spill Prevention Control and Countermeasure Plan. Corrective actions needed to conform to state and federal standards, and for continued pollution liability coverage.					
1	Installation of new pilot wire relaying	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000
	Replace relays to give the proper protection to the main tie lines between the Pearl Street Substation, South Substation and the Power Plant completing a project started in 2000. The current relays will be moved to circuit feeders in the Metal Clad bus to	Electric	10	These relays provide selective high-speed clearing of all faults on a protected line, using a pilot wire circuit to compare line currents at all terminals of the line. Simultaneous clearing at all terminals minimizes damage, permits high-speed reclosing and improves the stability of the system.					
1	Arc Flash Analysis and Training	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	OSHA, NFPA, NESC required analysis, training, labeling and garments to protect workers in the event of an arc flash becomes mandatory for compliance January 01, 2009.	Electric							
Total	Electric	\$47,700	\$17,000	\$14,000	\$41,000	\$0	\$0	\$0	\$119,700
Waste Water									
1	Lining the Wet Well at Fountain Street Lift Station	\$12,000	\$0	\$0	\$0	\$0	\$0	\$0	\$12,000
	No direct cost or savings.	Waste Water Fund	30	The concrete in the wet well is deteriorating. The well will be lined with a ceramic coating to extend its life. The problem was discovered during the lift station replacement in 2006.					
1	Ferric Tank Replacement	\$22,000	\$0	\$0	\$0	\$0	\$0	\$0	\$22,000
	No direct cost or savings.	Waste Water Fund	30	Replace 35 year old fiberglass tank					
Total	Waste Water	\$34,000	\$0	\$0	\$0	\$0	\$0	\$0	\$34,000
Dial-A-Ride									

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
1	DART Operation Study	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
	Not known until the study is done to find any deficiencies and cost savings identified in the study.	DART	10	The study will look at scheduling of drivers, equipment allocation, funding, maintenance improvements, as well as comparables with other agencies. As funding is reduced maintaining the current level of services is becoming difficult the city needs to know that it is running an efficient operation and one that is conducive to today's and future economic environments.					
Total	Dial-A-Ride	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
Data Processing									
1	Document Imaging	\$8,000	\$0	\$0	\$0	\$0	\$0	\$0	\$8,000
	Should result in a direct reduction in time spent retrieving documents and information formerly stored in paper files. Indirect cost: increase in hard drive requirements of network to store data.	Data Processing Fund	10	Purchase document imaging hardware and software for internal and external use. This will allow for electronic storage and retrieval of contracts, minutes, invoices, accounts payable checks, city charter, etc.					
Total	Data Processing	\$8,000	\$0	\$0	\$0	\$0	\$0	\$0	\$8,000
Motor Pool									
1	Tracking Software and Training	\$12,000	\$0	\$0	\$0	\$0	\$0	\$0	\$12,000
	Provide management with tools to perform cost/benefit analyses for equipment and services which may reduce expenses.	Motor Pool	10	Purchase software for fleet management and work orders to track materials and labor for each piece of equipment. The software can be expanded to generate work orders for other departments, track complaints and build a database of storm sewer and other distribution systems that can be tied to GIS.					
1	Addition of two repair bays to Public Works Building	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000
	Having two bays will allow the mechanic to repair multiple pieces of equipment which will reduce down time for the equipment and contracted services. Increase productivity of the mechanic.	General Fund (78,000); Motor Pool (22,000); and MDOT (90,000 Rural Task Force)	20	If it is the desire is to share the facility with the schools then the city needs to add at a minimum two new high wall repair bays. Currently the schools utilize two bays to the city's one. It is impossible for the mechanic to work on two pieces of equipment at a time as when one piece of equipment is on the lift.					
Total	Motor Pool	\$212,000	\$0	\$0	\$0	\$0	\$0	\$0	\$212,000
Total Priority	1	\$1,139,983	\$1,745,300	\$30,500	\$65,500	\$10,000	\$10,500	\$163,000	\$3,164,783

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
Priority 2									
General Fund									
2	2008 - 2014 Street Preventative Maintenance	\$12,000	\$13,000	\$12,000	\$11,000	\$15,000	\$0	\$0	\$63,000
	Investment into infrastructure will insure larger dollar amounts will not need to be invested as the system deteriorates.	General Fund/MVH Major/MVH Local	10	Major Street Total (\$39,000): FY 2008-2009: Kalamazoo Avenue from Industrial Road to Brewer Street (\$5,000), Mansion Street from Kalamazoo Avenue to Marshall (\$3,000), and Green Street from Kalamazoo Avenue to Marshall Avenue (4,000) FY 2009-2010: Linden Street from Industrial Road to Wright Lane (\$6,000), Marshall Avenue from Schuyler Street to the City Limits (\$3,000), and East Drive from Michigan Avenue to Forest Street (\$3,000). FY 2012-2013: Marshall Avenue from Hughes Street to Schuyler Street (\$7,000), Linden Street from Wright Lane to Kalamazoo Avenue (\$2,000), and Hanover Street from West Drive to Kalamazoo Avenue (\$6,000). Local Street Total (\$24,000); FY 2009-2010; Prospect from Verona Road to East Drive (\$8,000), Mulberry Street from Industrial to Birch (\$4,000), and Birch from Linden Street to Kalamazoo Avenue (\$1,000). FY 2011-2012: North Drive from Gordon to Hill (\$3,000), Forest from Madison to East (\$3,000), Hill from East to the end (2,000), Wooded from East Drive to O'Keefe (\$3,000), O'Keefe from Wooded to Allen.					
2	Chestnut/Clinton Reconstruction & Improvements	\$225,000	\$0	\$0	\$0	\$0	\$0	\$0	\$225,000
	Reduce labor spent on repairing erosion problems.	MVH Local	30	Install curb and gutter, asphalt paving and drainage improvements on Chestnut from River to Clinton and on Clinton from Elm to the east. This project would coincide with installation of water and sewer mains.					
2	Washington/Elm Improvements	\$180,000	\$0	\$0	\$0	\$0	\$0	\$0	\$180,000
	Reduce labor spent on repairing erosion problems.	MVH Local	30	Install curb and gutter, asphalt paving and drainage improvements on Elm from Washington to Clinton and on Washington from Elm to the fairgrounds. This project would coincide with installation of water main.					
2	PSB parking lot and drive crack filling & sealing	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
	Needs to be done every 5 years.	General Fund	5	The cracks need to be filled and the surface sealed. If this is not done the parking lot will deteriorate to a point that it will need to be replaced.					
2	Mansion Street/North Alley Parking Lot Reconstruction	\$95,000	\$0	\$0	\$0	\$0	\$0	\$0	\$95,000
	Reduce labor for snow removal and parking lot maintenance.	General Fund	30	Remove concrete islands within the parking lot, remove and replace asphalt, improve subgrade, improve drainage, restripe to increase number of parking spots and improve landscaping.					

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
2	Cemetery water distribution system	\$0	\$62,000	\$0	\$0	\$0	\$0	\$0	\$62,000
	Will reduce water loss and maintenance costs due to the age of the current system.	Cemetery Trust Fund (available funds = \$561,934) and General Fund.	20	Replacing the current water distribution system will eliminate line breaks which will result in reduced water usage as a result of the leaks.					
2	River Street - Double Seal	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000
	Reduced maintenance. Last unpaved street in Marshall.	MVH Local	10	Unpaved portion of River Street will be double sealed to reduce a continuing maintenance problem.					
2	Paving north Ketchum Park parking lot	\$0	\$22,000	\$0	\$0	\$0	\$0	\$0	\$22,000
	\$300 increase in maintenance costs per year.	General Fund	20	Asphalt paving of parking lot adjacent to skate park, play structure and restrooms located in north Ketchum Park.					
2	Street Reconstruction 2013-2014	\$0	\$0	\$0	\$0	\$0	\$280,000	\$0	\$280,000
	Investment into infrastructure will insure larger dollar amounts will not need to be invested as the system deteriorates.	General Fund/MVH Major/MVH Local	15	Major Street Total (\$85,000): West Drive from Michigan Avenue to Verona Road (\$85,000). Local Streets (\$195,000): Ferguson Street from Mann to Forest (\$35,000), Mann from Ferguson to Allen (\$40,000), and North Drive from Brewer Street to Gordon Street (\$120,000).					
2	City Hall Building Security	\$14,500	\$14,500	\$0	\$0	\$0	\$0	\$0	\$29,000
	Increase cost for annual maintenance contract.	General Fund	10	Phase 1-Considering Homeland Security and personnel safety a computerized locking/unlocking security system will be installed and exterior doors replaced due to poor condition. Phase 2-extend security system to 2nd floor interior doors for areas that should be secure during and/or after "regular" business hours.					
2	Sidewalk ramp installation	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$0	\$0	\$40,000
	None.	General Fund	50	Repair of 100 sidewalks at intersections under the city's jurisdiction which do not currently have a handicap accessible ramp.					
2	South Ketchum Parking Lot Expansion	\$0	\$0	\$52,000	\$0	\$0	\$0	\$0	\$52,000
	\$500 increase in maintenance costs per year.	General Fund	10	With the addition of the Kids Kingdom current and future uses of the park area, additional parking is needed. The city would need to purchase additional property and then install storm sewer.					

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
2	Parking Lot pavement sealing	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$30,000
	Reduction in maintenance on deteriorating parking lots.	General Fund/DDA	5	Pavement sealing program for all city owned or maintained parking lots to extend life of the pavement. 50/50 split					
2	Street Reconstruction 2008-2009	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000
	Investment into infrastructure will insure larger dollar amounts will not need to be invested as the system deteriorates.	General Fund/MVH Local	15	Local Streets Total (\$150,000): Liggett Road from Kalamazoo Avenue to end (\$50,000), and Sycamore Street from Spruce Street to Union (\$100,000).					
2	Bridge Replacement-Marshall Ave @ Kalamazoo River	\$65,000	\$177,500	\$0	\$0	\$0	\$0	\$997,500	\$1,240,000
	Increase safety and load handling of the bridge.	MVH Major/MDOT grant	30	Project will include design engineering (FY 08/09), construction engineering, and 5% of the actual construction cost of the complete removal and replacement of Marshall Avenue over the Kalamazoo River (FY 09/10).					
2	Bridge Replacement-Monroe Street @ Rice Creek	\$30,000	\$83,250	\$0	\$0	\$0	\$0	\$441,750	\$555,000
	Increase safety and load handling of the bridge.	MVH Major/MDOT grant	30	Project will include design engineering (FY 08/09), construction engineering, and 5% of the actual construction cost of the complete removal and replacement of Monroe Street Bridge over the Kalamazoo River (FY 09/10).					
2	Replace main town hall copy machine	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000
	One year reduction in maintenance contract fees. Current copies of 1,292,989.	General Fund	7	Copy machine replacement program--replace main copy machine used in Town Hall.					
2	Sidewalk Repair	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$0	\$90,000
None		General Fund	25	Repair to existing sidewalk throughout the City					
2	Gas powered sod cutter for removing sod from graves	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000
	Save time in clearing sod from the graves and materials of approximately \$600 a year.	General and/or Cemetery Trust Fund	5	Currently cemetery workers use hand tools to remove the sod. It is time consuming and when a handle breaks, time is lost while looking for and installing the handle. Time will be saved by using this machine as there are times when two or three graves need to be dug.					

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
2	Street Reconstruction 2009-2010	\$0	\$210,000	\$0	\$0	\$0	\$0	\$0	\$210,000
	Investment into infrastructure will insure larger dollar amounts will not need to be invested as the system deteriorates.	General Fund/MVH Local/MVH Major	15	Major streets total \$150,000: Eagle Street (\$35,000), Jefferson Street (\$35,000), and Madison Street (\$35,000) from Green to Mansion. Local Streets Total (\$105,000): Page Street from Kalamazoo to Mulberry (\$35,000), Arms Street from Mid Block to Fountain Street (\$45,000), and Jones Street from Hughes to Circle (\$25,000).					
2	Accounting Software Upgrade	\$0	\$60,000	\$0	\$0	\$0	\$0	\$0	\$60,000
	Complete interface will reduce staff time spent on manual entries. Annual maintenance cost may actually be reduced slightly.	General Fund	5	Over time technology generally requires significant upgrades to existing software. Replace all accounting software with upgrades and interfaced modules to meet needs of the department. Pricing ranges from an estimated \$40,000 to \$60,000.					
2	Street Reconstruction 2010-2011	\$0	\$0	\$330,000	\$0	\$0	\$0	\$0	\$330,000
	Improvements into infrastructure will insure larger dollar amounts will not need to be invested as the system deteriorates.	General Fund/MVH Major/MVH Local	15	Major streets total \$110,000: Green Street from Jefferson Street to Marshall Avenue (\$55,000) and Monroe Street from Marshall Avenue to Pearl Street (\$55,000). Local Street Total (\$220,000): Green Street from Marshall to the east city limits (\$110,000), and Green Street from West Side to Kalamazoo Avenue (\$110,000).					
2	Street Reconstruction 2011-2012	\$0	\$0	\$0	\$265,000	\$0	\$0	\$0	\$265,000
	Investment into infrastructure will insure larger dollar amounts will not need to be invested as the system deteriorates.	General Fund/MVH Major/MVH Local	15	Major streets total \$100,000: Mansion Street from Verona Road to Kalamazoo Avenue (\$60,000) and Grand Street from Michigan Avenue to Spruce Street (\$40,000). Local Street Total (\$165,000): Division Street from Mansion to Forest (\$70,000), Madison Street from Mansion to Forest (\$70,000), and Forest Street from Division to Madison Street (\$25,000).					
2	Street Reconstruction 2012-2013	\$0	\$0	\$0	\$0	\$295,000	\$0	\$0	\$295,000
	Investment into infrastructure will insure larger dollar amounts will not need to be invested as the system deteriorates.	General Fund/MVH Major/MVH Local	15	Major Street Total (\$100,000): Kalamazoo Avenue from Brewer to Linden Street (\$100,000). Local Street Total (\$195,000): Sibley from East Drive to Forest Street (\$70,000), Gorham Street from Sibley to Gordon Street (\$40,000), and Liberty from Michigan Avenue to Forest (\$85,000).					
Total	General Fund	\$849,500	\$672,250	\$424,000	\$306,000	\$330,000	\$300,000	\$1,439,250	\$4,321,000
Recreation									
2	Electronic Sign	\$6,500	\$0	\$0	\$0	\$0	\$0	\$0	\$6,500
	This project may increase revenues by attracting more participation in programs. Increase utilities.	Recreation Fund (\$5,800); Memorial Fund (\$700)	11	The purchase of an electronic sign to be placed at the Athletic Field would; provide identification for those traveling to Marshall to use the facility, allow activities and events to be posted and advertised, and allow for other Department programs/deadlines/registrations to be posted and advertised. This project will require installation of electrical lines as well					

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
2	Replace current Digital Duplicator	\$0	\$8,400	\$0	\$0	\$0	\$0	\$0	\$8,400
	Expenses will increase by (approx.) \$800 maintenance agreement per year. In-house printing per year will decrease expenses by \$1,300 savings on bi-annual brochure and \$525 on envelopes alone. In addition, in-house printing of all other publications, flyer	Recreation fund 49%; General fund 51%	10	Replace curent digital duplicator. The current duplicator is approaching the end of useful life and is already in the 07/08 FY starting to show signs of its age. Repairs and maintenance are more frequent.					
2	Seal coating & Striping Athletic Field Parking Lot	\$7,500	\$0	\$0	\$0	\$0	\$7,500	\$0	\$15,000
	None expected. This is a general maintenance to ensure the life of the parking lot.	Recreation Fund	5	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.					
2	Replacement of Athletic Field Light System	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000
	No effect on operational expenditures.	Recreation Fund	15	The current lights on diamond #1 & #2 are approaching the end of their expected life. The entire system should be replaced.					
Total Recreation		\$14,000	\$8,400	\$300,000	\$0	\$0	\$7,500	\$0	\$329,900
Compost									
2	Screening Machine for compost center and DPW	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
	The city currently rents a screening machine which costs between \$3,600 to \$4,600 a year. \$3,333 annual depreciation.	General Fund	15	The problem the city has is that when it is time to get a screening machine, we are not guaranteed that the weather will cooperate when the material is ready to be screened. The material needs to be dry.					
Total Compost		\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
DDA									
2	Parking lot pavement sealing	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$0	\$25,000
	Reduction in maintenance on deteriorating parking lots.	DDA/General Fund	5	Pavement sealing program for all city owned or maintained parking lots to extend life of the pavement. 50/50 split Total cost \$10,000 each year					
Total DDA		\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$0	\$0	\$25,000
Electric									

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
2	Automated Load Control of Hydro	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000
	No direct cost. Indirect savings by meeting FERC licensing recommendations.	Electric Fund	25	FERC & MDNR is requesting an automated Run of River operation be installed and maintained. This will maintain the water level through the hydro plant to meet the requirements of FERC.					
2	Upgrade Engine Protection System	\$15,000	\$15,000	\$0	\$0	\$0	\$0	\$0	\$30,000
	Due to limited work force and the antiquated 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 an	Electric Fund	20	To allow a small work force to operate the equipment as needed by MSCPA and the customers of the City of Marshall.					
2	Overhaul East Well pump	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
	\$1500 depreciation expense annually	Electric Fund	10	Recommended every 10 years by Peerless Midwest. Replace unsatisfactory facilities to maintain the agency program at current level of performance.					
2	Painting of Outdoor Electric Equipment	\$0	\$0	\$0	\$10,000	\$0	\$0	\$0	\$10,000
	Indirect savings by maintaining equipment to insure longevity, safety and efficient operations.	Electric Fund	5	Maintain outdoor electrical equipment through proper cleaning and painting.					
2	Installation of Circuit Reclosers	\$18,000	\$18,000	\$0	\$0	\$0	\$0	\$0	\$36,000
	Reduction of customer outage time.	Electric Fund	10	An autorecloser is a circuit breaker equipped with a mechanism that can automatically close the breaker after it has been opened due to a fault.					
2	Replace East & West Overhead Fuel Tanks	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
	Direct increase in cost for pollution liability coverage. Indirect savings should a leak, spill or overfill occur since there is no insurance coverage for this risk exposure.	Electric Fund	50	Replace the overhead fuel tanks used in the operation of the diesel engines and update the system with overfill protection and level alarms to meet EPA standards. This is necessary to obtain pollution liability insurance.					
2	Upgrade distribution lines in Industrial Park area	\$100,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$200,000
	A reliable and alternate power source for existing customers, also future capacity for expansion.	Electric	30						

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
2	Capacitor Banks	\$18,000	\$20,000	\$22,000	\$0	\$0	\$0	\$0	\$60,000
	<p>Explanation of effect on Operations</p> <p>Capacitors save money by releasing system capacity, reducing power losses, improving voltage conditions and eliminating power factor penalties. Power losses are directly connected to environmental load, lowering losses is also an environmental gain.</p>	<p>Source of Funding</p> <p>Electric</p>	<p>Estimated Useful Life (Years)</p> <p>20</p>	<p>Purpose</p> <p>To provide quality electricity to our customers while reducing kvar charges.</p>					
2	Install fiber to Industrial Park Reclosers	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
	<p>Explanation of effect on Operations</p> <p>This will allow operators to see the operations and to operate on the reclosers installed in the circuits feeding the Industrial Park area to help in outage restoration and transferring of load if necessary.</p>	<p>Source of Funding</p> <p>Electric</p>	<p>Estimated Useful Life (Years)</p> <p>25</p>						
2	Upgrade Plant #1 House Power Panels	\$7,500	\$7,500	\$7,500	\$7,500	\$0	\$0	\$0	\$30,000
	<p>Explanation of effect on Operations</p> <p>No direct cost or savings.</p>	<p>Source of Funding</p> <p>Electric Fund</p>	<p>Estimated Useful Life (Years)</p> <p>30</p>	<p>Purpose</p> <p>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.</p>					
2	Upgrade Lube Oil Filter Systems on #2 & #5 Engines	\$7,500	\$7,500	\$0	\$0	\$0	\$0	\$0	\$15,000
	<p>Explanation of effect on Operations</p> <p>Reduction in electric usage/charges due to a more energy efficient system. Indirect savings due to better filtering of the lube oils (use oil longer, less wear on the equipment).</p>	<p>Source of Funding</p> <p>Electric Fund</p>	<p>Estimated Useful Life (Years)</p> <p>30</p>	<p>Purpose</p> <p>Upgrade piece meal systems with new, more efficient equipment.</p>					
2	Upgrade Lube Oil Heating Systems on #2 & #5 Engines	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$10,000
	<p>Explanation of effect on Operations</p> <p>Reduction in electric usage/charges due to a more energy efficient system.</p>	<p>Source of Funding</p> <p>Electric Fund</p>	<p>Estimated Useful Life (Years)</p> <p>30</p>	<p>Purpose</p> <p>Upgrade piece meal systems with new, more efficient equipment.</p>					
2	Engine #3 & #6 gauge panel replacement	\$0	\$80,000	\$0	\$80,000	\$0	\$0	\$0	\$160,000
	<p>Explanation of effect on Operations</p> <p>Presumed savings unknown.</p>	<p>Source of Funding</p> <p>Electric fund</p>	<p>Estimated Useful Life (Years)</p> <p>20</p>	<p>Purpose</p> <p>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.</p>					
2	Air Compressor Replacement	\$0	\$15,000	\$15,000	\$15,000	\$0	\$0	\$0	\$45,000
	<p>Explanation of effect on Operations</p> <p>No direct cost or savings.</p>	<p>Source of Funding</p> <p>Electric Fund</p>	<p>Estimated Useful Life (Years)</p> <p>30</p>	<p>Purpose</p> <p>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.</p>					

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
2	Power House Roof Repairs	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000
	Deferring maintenance of the structure could result in more costly damage and repairs.	Electric Fund		25	Maintain existing facilities.				
2	Overhaul West Well pump	\$0	\$0	\$15,000	\$0	\$0	\$0	\$0	\$15,000
	\$1,500 depreciation per year	Electric Fund		10	Recommended every 10 years by Peerless Midwest. Replace unsatisfactory facilities to maintain the agency program at current level of performance.				
2	Raceway/Dam Maintenance	\$0	\$0	\$0	\$15,000	\$0	\$15,000	\$0	\$30,000
	No direct cost or savings.	Electric Fund		20	Maintain the structures for safe & efficient operations to meet FERC mandates/licensing. This is a 5-year maintenance program of the concrete structures.				
2	Overhaul #3 Engine Raw Water Pump	\$0	\$0	\$0	\$0	\$10,000	\$0	\$0	\$10,000
	No direct cost or savings; will maintain generating equipment for safe and efficient operation.	Electric Fund		10	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.				
Total Electric		\$246,000	\$268,000	\$109,500	\$127,500	\$10,000	\$15,000	\$0	\$776,000
Electric-Revenue Bond									
2	Industrial Park Substation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Long term there will be increased cost for maintaining an additional substation.	Electric Revenue Bond		25	Install an Industrial Park substation to relieve overloading of current Lyon Lake and Industrial Park circuits. This will increase reliability.				
Total Electric-Revenue Bond		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Waste Water									
2	Chestnut/Clinton Reconstruction & Improvements	\$60,000	\$0	\$0	\$0	\$0	\$0	\$0	\$60,000
	Long term increase for maintenance of additional sewer main offset by potential increased revenue as more customers hook into the city waste water system.	Waste Water Fund		30	Install sewer lines on Chestnut from River to Clinton and on Clinton from Elm to the east. This project would coincide with installation of water mains, curb, gutter, asphalt and drainage improvements.				

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
2	Valve Replacement	\$20,000	\$20,000	\$20,000	\$0	\$0	\$0	\$0	\$60,000
	\$667 annual depreciation expense. Planned purchase could reduce unanticipated costs if current valves failed.	Waste Water Fund	30	Replace 30 year old valves at the WWTP to insure quality treatment. Parts for current valves no longer available.					
2	Install Electric Gate	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,000
	Indirect savings by gaining more productivity from employee who doesn't have to manually open and close the gate.	Waste Water Fund	30	Homeland security measures require the gate remain closed when only one employee is on duty. For safety and convenience, an electric gate should be installed.					
2	Raw sludge tank mixer	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
	Adequate replacement now will save on continual repair costs.	Waste Water Fund	20	Replace the worn out gear box and mixer. The mixing of raw biosolids are done prior to the thickening process.					
2	Gear Box Replacement	\$20,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$40,000
	No direct cost or savings	Waste Water Fund	20	Replace gearboxes (stabilize sludge tank)					
2	Replace High School Lift Station	\$0	\$90,000	\$0	\$0	\$0	\$0	\$0	\$90,000
	Lift station installed in 1971; newer pumps will reduce maintenance and electric costs. The risk for injury due to confined space is eliminated producing an indirect savings for confined space equipment use/needs & lost productivity.	Waste Water Fund	25	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.					
2	Replace Industrial Park Lift Station	\$0	\$0	\$125,000	\$0	\$0	\$0	\$0	\$125,000
	Lift station installed in 1972; newer pumps will reduce maintenance and electric costs. The risk for injury due to confined space is eliminated producing an indirect savings for confined space equipment use/needs & lost productivity.	Waste Water Fund	25	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.					
2	Primary Sludge Pump	\$0	\$0	\$20,000	\$0	\$0	\$0	\$0	\$20,000
	None.	Waste Water Fund	20	To replace 34 year old pumps.					
Total Waste Water		\$131,000	\$130,000	\$165,000	\$0	\$0	\$0	\$0	\$426,000

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
Water									
2	Water Tower Access Paving	\$6,500	\$0	\$0	\$0	\$0	\$0	\$0	\$6,500
	Reduce site repair after the winter season.	Water Fund	15	Paving of driveway to access the Industrial Road water tower to reduce rutting & damage to the water tower site caused by trucks, equipment and snow removal operations.					
2	Water Tower Repainting	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000
	Indirect cost savings by maintaining asset rather than allowing it to deteriorate and require replacement.	Water Fund (reserves)	10	Recoating of tower to preserve and protect 200,000 gallon tank on Industrial Road					
Total Water		\$6,500	\$0	\$75,000	\$0	\$0	\$0	\$0	\$81,500
Water Revenue									
2	Chestnut/Clinton Reconstruction & Improvements	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
	Long term increase for maintenance of additional water main offset by potential increased revenue as more customers hook into the city water system.	Water-Revenue Bond	30	Install sewer lines on Chestnut from River to Clinton and on Clinton from Elm to the east. This project would coincide with installation of sewer mains, curb, gutter, asphalt and drainage improvements.					
2	Marshall Avenue Water Main Project	\$0	\$170,000	\$0	\$0	\$0	\$0	\$0	\$170,000
	Tracking water main breakage, we have found this area to be concentrated with water main breaks which has resulted in major repair expenses.	Water-Revenue Bond	50	Due to an increase concentration of watermain breaks the 6" Cast Iron Watermain from Forest Street to North Drive will be replaced with a 8" ductile iron watermain					
2	Install New Water Service on Washington & Elm	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
	Long term increase for maintenance of additional water main offset by potential increased revenue as more customers hook into the city water system.	Water-Revenue Bond	30	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, drainage and street improvements.					
2	Allen Road Water Main Project	\$0	\$120,000	\$0	\$0	\$0	\$0	\$0	\$120,000
	Tracking water main breakage, we have found this area to be concentrated with water main breaks which has resulted in major repair expenses.	Water-Revenue Bond	50	Due to an increase concentration of watermain breaks the 6" Cast Iron Watermain from Mann Road to Forest Street will be replaced with a 8" ductile iron watermain.					
Total Water Revenue		\$75,000	\$290,000	\$0	\$0	\$0	\$0	\$0	\$365,000

Dial-A-Ride

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
2	Bus replacement	\$0	\$0	\$0	\$0	\$0	\$0	\$270,000	\$270,000
	Direct - estimated \$5,000 in revenues from sale of used busses and reduction in maintenance costs.	MDOT Grant	7	Replace aging busses according to state schedule of 7 years old or 200,000 miles, whichever comes first. Estimated schedule as follows: one in 2008-09; one in 2009-10; and 1 in 2010-2011. Possibility of grant money totaling \$270,000.00					
2	DART Dispatching software	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
	Not known at this time.	MDOT	10	There is no easy way to extract data to view peak and down time in order to view driver schedules and make adjustments.					
Total	Dial-A-Ride	\$5,000	\$0	\$0	\$0	\$0	\$0	\$270,000	\$275,000
Data Processing -									
2	Network Server Upgrade	\$23,603	\$23,603	\$0	\$0	\$0	\$0	\$0	\$47,206
	Continuation of professional services to assist with network engineering and administration.	Data Processing	4	Purchase new network server; costs includes both hardware and installation. Marshall II (oldest server) has Fundbalance, BS&A, and QIS software. Exhs01 server has our email, anti-spam and anti-virus software.					
2	Microsoft Office Suite Upgrade	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000
	Potential for increased training costs for employees to learn new software.	Data Processing	4	Replace outdated word processing, spreadsheet and other software as technology changes. Last upgrade 2003-04 - Microsoft Office 2000/XP (57 licenses)					
Total	Data Processing	\$43,603	\$23,603	\$0	\$0	\$0	\$0	\$0	\$67,206
Motor Pool									
2	Radio Consolidation and new repeater	\$6,000	\$2,200	\$2,200	\$2,200	\$0	\$0	\$0	\$12,600
	Will reduce the need to carry two mobile radios in the vehicles.	Streets, Water, Wastewater, Electric and DART. Motorpool will fund the changing of mobiles in the streets department from VHF to UHF. Streets will be responsible for purchasing 4 portable radios.	10	Some vehicles are carrying two mobiles so each department can communicate with each other. The current repeater is breaking down and when it does communication between the departments is lost.					
Total	Motor Pool	\$6,000	\$2,200	\$2,200	\$2,200	\$0	\$0	\$0	\$12,600
Total Priority	2	\$1,431,603	\$1,399,453	\$1,080,700	\$440,700	\$345,000	\$322,500	\$1,709,250	\$6,729,206

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
Priority 3									
General Fund									
3	Ketchum Park Restroom near Kids Kingdom	\$0	\$88,000	\$0	\$0	\$0	\$0	\$0	\$88,000
	Increased maintenance and utility costs for restroom.	General Fund	25	Install a restroom facility for Kids Kingdom Playground.					
3	Purchase New Playground Equipment	\$0	\$0	\$45,000	\$0	\$0	\$0	\$0	\$45,000
	No effect on operational revenues and expenditures anticipated.	General Fund	25	New playground equipment will be needed to replace equipment and to meet accessibility standards as indicated in the Parks & Rec Master Plan.					
3	New Sidewalk installation	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$0	\$180,000
	Increase to cost in the form of sidewalk repairs.	General Fund	25	Sidewalks include North Drive from Madison to Marshall Avenue, Pearl from Kalamazoo to River walk 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.					
3	Riverwalk link to Brooks Nature Area	\$28,000	\$0	\$0	\$0	\$0	\$0	\$110,000	\$138,000
	Increased cost for plowing, striping and long term maintenance of the pathway.	MVH Major/MVH Local/Transportation Enhancement Grant	30	Link the Riverwalk to the Brooks Nature Area by installing a 10 foot wide asphalt bike/pedestrian path at Riverwalk terminus at Kalamazoo Avenue south to Woolley Drive, east to Pratt Avenue and south to the new section of the Brooks Industrial Park.					
3	Live Fire Training Facility	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000
	\$2,000 increase in operations and maintenance costs per year.	General Fund	25	To provide hands-on training with live fire, provided by a propane burner. This facility would be a cooperative effort between surrounding townships who would share costs. CIP appropriations is city's estimated share.					
3	Cemetery Road Paving Project	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$0	\$0	\$75,000
	Will reduce the need to haul in gravel to build up the drives so that visitors to the cemetery will not be driving on or stepping in mud.	General Fund and/or Cemetery Trust Fund	20	Finishing the drives in the cemetery will provide a clean and solid surface during inclement weather for those visiting their loved ones and during a funeral service.					

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
3	Observation Deck Increase cost to maintain the deck.	\$9,000 General Fund/MDNR grant	\$0 10	\$0	\$0	\$0	\$0	\$7,500	\$16,500
3	Land Acquisition for Runway Extension Potential for additional legal expenses (no estimate available).	\$12,500 Federal 80%, State 17.5%, Local Match 2.5%	\$0 50	\$0	\$0	\$0	\$0	\$487,500	\$500,000
3	Plant trees through out the city as well as training Increased maintenance costs while the trees are maturing - \$500. A saving also as the grant will pay up to 50% of eligible costs.	\$12,000 General Fund 50%; DNR 50%; Community Forestry Grant	\$0 50	\$0	\$0	\$0	\$0	\$0	\$12,000
3	Design Engineering for Runway & Taxiway Extension None.	\$2,000 Federal 80%, State 17.5%, Local match 2.5%	\$0 20	\$0	\$0	\$0	\$0	\$78,000	\$80,000
3	Runway Extension direct: increase operational costs for plowing of runway, overall maintenance. Indirect: possible impact for retention of existing industry and economic development by attracting new industry with airport needs.	\$0 Federal 80%, State 17.5%, Local Match 2.5%	\$19,375 20	\$0	\$0	\$0	\$0	\$755,625	\$775,000
3	Taxi Way Extension Increase cost for snow plowing, overall maintenance, additional taxi way lights.	\$0 Federal 80%, State 17.5%, Local match 2.5%	\$13,750 20	\$0	\$0	\$0	\$0	\$536,250	\$550,000
3	Riverwalk Connection to Ketchum Park Increase maintenance costs--no figures available.	\$0 General Fund/DNR Grants	\$0 30	\$300,000	\$0	\$0	\$0	\$307,500	\$607,500

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
3	Phase I Riverfront Park Development	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000	\$150,000
	Increased maintenance area would have a direct increase on operational costs.	General Fund (50%) and DNR grant (50%)	100	Develop land east of City garage following the Parks and Recreation Master Plan guidelines.					
3	Design engineering for Airport future development	\$0	\$2,500	\$0	\$0	\$0	\$0	\$47,500	\$50,000
	Design phase only; no direct or indirect operational costs.	Federal 90%, State 5%, Local Match 5%	5	Design engineering for future development and runway rehabilitation; item included in the approved Airport Layout Plan.					
3	Kalamazoo Riverfront Parks Planning	\$0	\$0	\$40,000	\$0	\$0	\$0	\$45,000	\$85,000
	Development into Riverfront will increase maintenance and operations costs.	General Fund and DNR	30	Develop land area for park and activity development as needs and funds are recognized.					
3	Airport Welcome Center	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$500,000
	Direct increase in operational costs to man and maintain the facility; indirect benefit by increasing overall air traffic and visitors to the community.	General Fund	20	Construct a "Welcome Center" to attract new business to the airport and further the efforts of economic development by providing an attractive destination point.					
3	Boat Launch at PSB	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000
	Long term maintenance costs unknown	General Fund	50	Construct concrete ramp leading to boat launch on Kalamazoo River at PSB					
3	Ketchum Park Parking & Access	\$0	\$40,000	\$0	\$0	\$0	\$0	\$0	\$40,000
	\$500 increase in maintenance per year for striping, plowing, keeping bridge & boardwalk treated.	General Fund	20	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.					
3	Phase V Riverwalk Design	\$0	\$0	\$40,000	\$0	\$0	\$0	\$0	\$40,000
	None; this is design phase only.	General Fund	20	Design next phase of Kalamazoo Riverwalk extending from Kalamazoo Ave. westerly to Pearl St. sub-station area.					

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
3	Walnut Street Riverwalk Connection	\$0	\$0	\$30,000	\$0	\$0	\$0	\$0	\$30,000
	Increase in operational costs--walkway will require periodic maintenance.	General Fund	50	Construct pedestrian walkway including sidewalk, bridge and lighting from Monroe through Walnut, then to Locust, then to Marshall House for Riverwalk connection.					
3	Park Identification Signs	\$0	\$0	\$12,000	\$0	\$0	\$0	\$0	\$12,000
	Increase to park maintenance (no cost given)	General Fund	25	Park identification signage for the city's major parks. Signs will promote unified identify for park system and enhance park properties.					
Total General Fund		\$133,500	\$833,625	\$512,000	\$45,000	\$45,000	\$30,000	\$2,449,875	\$4,049,000
Recreation									
3	Dug Outs	\$41,200	\$0	\$0	\$0	\$0	\$0	\$0	\$41,200
	Potential increased revenue by attracting additional tournaments.	Recreation Fund	10	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.					
3	Installation of Scoreboards/Electricity-Fields #3 & #4	\$9,500	\$0	\$0	\$0	\$0	\$0	\$0	\$9,500
	Utilities expenditure will increase--approximately \$500/yr.	Recreation Fund	20	The purchase of electronic scoreboards for diamond #3 and #4 enhance recreational opportunities on these diamonds. This will require installation of electrical lines as well.					
Total Recreation		\$50,700	\$0	\$0	\$0	\$0	\$0	\$0	\$50,700
Marshall House									
3	Trash Compactor	\$0	\$0	\$0	\$12,862	\$0	\$0	\$0	\$12,862
	Trash compactor is original to the building, hard to find parts or parts need to be made for a breakdown.	Marshall House	20	Trash compactor is original to the building, hard to find parts or parts need to be made for a breakdown.					
Total Marshall House		\$0	\$0	\$0	\$12,862	\$0	\$0	\$0	\$12,862
Mshl. House-Bond Issue									

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
3	Kitchen Replacement	\$0	\$561,200	\$0	\$0	\$0	\$0	\$0	\$561,200
	Depreciation expense of \$37,414 annually. Repayment of principal and interest estimated at \$30,000 per year for 15 year debt issue.	Bond issue	15	Remove old and replace with new cabinets, countertops and floor coverings with vinyl base. Current items from original construction in 1979. This is for all individual units in the building.					
Total Mshl. House-Bond Issue		\$0	\$561,200	\$0	\$0	\$0	\$0	\$0	\$561,200
Electric									
3	Plant Video Camera System	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
	Possible increased cost for storing digital images on computer based on use.	Electric Fund	20	Install video cameras inside the Power Plant for security purposes when building is empty.					
3	Rewind Generator #2	\$0	\$94,500	\$0	\$0	\$0	\$0	\$0	\$94,500
	\$3,150 depreciation expense per year.	Electric Fund	30	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.					
3	Rewind Generator #5	\$0	\$0	\$104,000	\$0	\$0	\$0	\$0	\$104,000
	\$3467 depreciation expense per year.	Electric Fund	30	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.					
3	Recondition #1 Hydro	\$0	\$0	\$0	\$0	\$75,000	\$0	\$0	\$75,000
	2,500 depreciation expense per year.	Electric	30	Improve the efficiency of the hydro power supply generated by the river flow.					
3	Recondition #3 Hydro	\$0	\$0	\$0	\$0	\$0	\$50,000	\$0	\$50,000
	\$1,667 depreciation expense per year.	Electric Fund	30	Improve the efficiency of the hydro power supply generated by the river flow.					
Total Electric		\$15,000	\$94,500	\$104,000	\$0	\$75,000	\$50,000	\$0	\$338,500

Waste Water

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
3	Pave Road to Waste Water Plant	\$15,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000
	Savings by not having to grade the road throughout the year.	Waste Water Fund	30	Pave the gravel roadway from Industrial Road/Mulberry St. to the Waste Water plant.					
3	Electrical Controls Replacement	\$0	\$0	\$0	\$65,000	\$0	\$0	\$0	\$65,000
	None.	Waste Water Fund	30	Current controls are 30 years old and replacement parts are no longer available					
Total Waste Water		\$15,000	\$0	\$0	\$65,000	\$0	\$0	\$0	\$80,000
Water									
3	Replace Chlorine Gas with Sodium Hypochlorite	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000
	Increase in operational costs because sodium hypochlorite is a more expensive alternative.	Water Fund	20	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.					
3	Replace Well House #4	\$0	\$0	\$20,000	\$0	\$0	\$0	\$0	\$20,000
	Increased cost for heating a larger building.	Water Fund	30	Replace the extra small well house that currently houses the #4 well.					
Total Water		\$0	\$0	\$120,000	\$0	\$0	\$0	\$0	\$120,000
Water Revenue									
3	Water main improvements in 400 Blk of Ferguson	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000
	Improve fire protection and water quality. \$2,000 depreciation expense annually.	Water-Revenue Bond	50	To replace a section of 4" cast iron unlined water main on Ferguson Street between Mann Rd. and Forest Street					
3	Water main Improvements in 600 Blk of W. Prospect	\$0	\$60,000	\$0	\$0	\$0	\$0	\$0	\$60,000
	\$1,200 depreciation expense annually.	Water-Revenue Bond	50	To replace a section of 4" cast iron unlined water main on W. Prospect St. between Mulberry and Linden Streets.					

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/ Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
3	Water Main Improvements-- Michigan Ave. \$8200 depreciation expense annually.	\$410,000	\$0	\$0	\$0	\$0	\$0	\$350,000	\$760,000
		Water-Revenue Bond	50	To replace undersized water mains on East Michigan Ave. from Gordon to Centennial Road. This project would be needed if development occurs east of town.					
3	New Well - Construction Maintenance costs associated with new well and distribution mains. \$30,000 depreciation expense annually.	\$0	\$900,000	\$0	\$0	\$0	\$0	\$0	\$900,000
		Water-Revenue Bond	25	Building and equipment for new well per study conducted. Estimated costs since equipment will depend on the quality of the water at the site and the site location (for distribution purposes within the existing system).					
Total Water Revenue		\$410,000	\$1,060,000	\$0	\$0	\$0	\$0	\$350,000	\$1,820,000
Total Priority	3	\$624,200	\$2,549,325	\$736,000	\$122,862	\$120,000	\$80,000	\$2,799,875	\$7,032,262

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
Priority 4									
General Fund									
4	Sherman Court Pond Nature Trail	\$5,000	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$15,000
	Minor maintenance cost increase. Direct cost associated with proper signage to minimize risk.	General Fund	20	Provide soft trails through natural area around pond.					
Total	General Fund	\$5,000	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$15,000
Mshl. House-Bond Issue									
4	Replace Elevators	\$363,500	\$0	\$0	\$0	\$0	\$0	\$0	\$363,500
	Depreciation expense of \$14,540 annually.	Bond issue	25	Existing elevators (2) are experiencing problems with the jack assemblies and power units that do not pose a safety concern but are troubling to the tenants. The life expectancy on many elevator parts is 25 years. These are the original elevators installed in 1979. Replacing the worn parts is nearly the same cost as complete replacement.					
Total	Mshl. House-Bond Issue	\$363,500	\$0	\$0	\$0	\$0	\$0	\$0	\$363,500
Electric									
4	Retrofit Breakers in Plant #1 Switchgear	\$0	\$50,000	\$50,000	\$0	\$0	\$0	\$0	\$100,000
	No direct cost or savings.	Electric Fund	30	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.					
4	Upgrade Transformer in South Substation	\$0	\$0	\$0	\$200,000	\$0	\$0	\$0	\$200,000
	No direct cost or savings.	Electric Fund	30	The transformer is circa 1972 that tests okay as of now but will need replacement in the future.					
Total	Electric	\$0	\$50,000	\$50,000	\$200,000	\$0	\$0	\$0	\$300,000
Electric-Revenue Bond									
4	Remove 2400 Volt Switchgear and rewind Hydros	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$0	\$200,000
	\$8,000 depreciation expense per year.	Electric Revenue Bond	25	Maintain electrical facilities.					

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
Explanation of effect on Operations		Source of Funding	Estimated Useful Life (Years)	Purpose					
Total	Electric-Revenue Bond	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$0	\$200,000
Total Priority	4	\$368,500	\$55,000	\$55,000	\$200,000	\$100,000	\$100,000	\$0	\$878,500

City of Marshall

Expenditures by Priority/Fund

Capital Improvements Program

Priority Ranking	Project Title	2008-2009 Expenditure	2009-2010 Expenditure	2010-2011 Expenditure	2011-2012 Expenditure	2012-2013 Expenditure	2013-2014 Expenditure	Grant Proceeds/Trade In/Other	Total Expenditure
	Explanation of effect on Operations	Source of Funding	Estimated Useful Life (Years)	Purpose					
Grand Total:		\$3,564,286	\$5,749,078	\$1,902,200	\$829,062	\$575,000	\$513,000	\$4,672,125	\$17,804,751