

City of East Lansing

Capital Improvements Program

2017-2022

Adopted:

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City of East Lansing
Capital Improvements Program
2017-2022

Julie Jones-Fisk, Chair
Laura Goddeeris, Vice Chair

Daniel Bollman
John Cahill
Don Davis
Jon Hansen

Summer Minnick
Paul Stokstad
Bryn Williams

Primary Policies

The City shall continue to maintain its streets and sidewalks at a level adequate to protect its capital investment and make the repairs on the worst streets and sidewalks a top priority, while implementing asset management principles to extend the service life of streets at the lowest cost with balanced investment across the road network.

The City shall actively promote the implementation of City Council's Strategic Priorities and the City's Comprehensive Plans in order to improve the quality of life and desirability of living in East Lansing.

User's Guide

The purpose of this document is to present the City of East Lansing, Michigan, Capital Improvements Program (CIP) for fiscal years 2017-2022.

The text explains the statutory basis for the CIP, the process which City staff followed to plan for and create the program, and the funding sources for program projects. The tables list projects completed during the current fiscal year and those projected out for the next six years and the source used or proposed to fund the projects.

It should also be noted that this document is, by State law, intended to provide a **“general order of priority”** for the projects listed. In addition, the cost estimates that are provided are the best available at the time of this publication. Cost estimates and project descriptions may change slightly from year to year as they are fine tuned and better information becomes available. **The final budget adopted by City Council may vary from the projects and priorities listed in this document due to financial conditions, Council priorities, or other reasons.**

Any questions with regard to this document may be directed to members of the East Lansing Planning Commission or the staff of the Department of Planning, Building and Development at (517) 319-6941.

E-mail correspondence should be directed to dschmitt@cityofeastlansing.com.

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I. INTRODUCTION

A. Purpose

The purpose of the CIP is to guide the development and maintenance of necessary public improvements within a framework of sound planning and responsible fiscal management. The programming process serves as a focus for discussion of public needs and priorities in context with the financial resources of the City. Programming physical improvements helps ensure that projects are developed and implemented in accordance with the community's needs, without creating instability in the City's finances. Programming also helps ensure that various projects will be compatible and complementary with one another and will conform to overall community goals. Through the programming process, the City is also better able to take advantage of Federal or State funding programs that become available.

B. State Law

Under Act 285 of the Michigan Public Acts of 1931, the Municipal Planning Act, the Planning Commission is charged with the annual preparation and adoption of the CIP. Pursuant to Section 125.39 of the Act, the Planning Commission:

"shall prepare coordinated and comprehensive programs of public structures and improvements. The commission shall annually prepare such a program for the ensuing 6 years, which program shall show those public structures and improvements, in the general order of their priority, which in the commission's judgment will be needed or desirable and can be undertaken within the 6-year period. The above comprehensive coordinated programs shall be based upon the requirements of the community for all types of public improvements, and, to that end, each agency or department of such municipality concerned with such improvements shall upon request furnish the commission with lists, plans and estimates of time and cost of public structures and improvements within the purview of such department."

C. City Code

As part of its annual revision, the Planning Commission requests other City commissions, boards and staff to submit updated and new project information for the CIP. The projects and scheduling presented in this CIP reflect this input in conjunction with the goals and objectives of the Comprehensive Plan.

The CIP adopted by the Planning Commission is then sent to City Council as a recommendation for physical improvements to be considered in the annual City Budget process.

The CIP identifies all public structures or improvements which will be needed or are desired over a six-year programming period. The CIP also presents funding priorities and strategies for consideration by Council.

II. OVERVIEW OF CAPITAL IMPROVEMENTS PROGRAMMING

A. Eligible Projects

The Capital Improvements Program does not contain all capital expenditures that are proposed or anticipated to be made by the City. Specifically, CIP projects or activities are limited to the following categories:

- 1. Acquisition:** The acquisition of land, structures or facilities for long-term public use. Costs include appraisal, survey and legal fees; demolition; initial remodeling and repair work; and initial purchases of equipment and furnishings.
- 2. Construction:** The construction, development, expansion, and major maintenance of public buildings, streets, parks, utilities or other public facilities to expand or improve the provision of public services. Costs include architectural, engineering and legal fees; and the equipment and furnishings purchased as part of the construction projects.

Not included in these definitions is the purchase of capital equipment which is not part of an overall acquisition or construction project, such as the replacement of fire trucks. Although operational and maintenance expenses resulting from a project are important considerations, they are not budgeted through the CIP process.

These tasks for programming Capital Improvements are explained in detail below and are repeated annually with a six-year projection.

Task #1: Prepare Inventory and Needs Assessment

The inventory and needs assessment is the most involved task in relation to preparing the CIP. First an inventory of each City building, street, water line, sewer line and related facility must be completed. Any future facilities or infrastructure needs identified through the City's Comprehensive Planning process are also included in the inventory. Maintenance records are then used to identify facilities that may need to be reconstructed or upgraded. Section IV-A and IV-B of this report provides additional detail on the inventory and needs assessment process used by the various Departments in preparing the Capital Improvements Program.

Task #2: Project Schedule and Cost Estimate

The schedule and cost estimate for each of the projects identified within the inventory and needs assessment are prepared by City leadership staff. This includes but is not limited to, the Director of Public Works, who is responsible for water, sewer, solid waste, and transportation related items; the Director of Parks, Recreation, Arts and Facilities, who is responsible for building, parks, and recreation infrastructure related items; and the Director of Planning Building and Development, who is responsible for parking, economic development, and neighborhood re-

development related items. The schedule and cost estimate of each of the projects identified within the first task must be prepared next by the Director of Parks, Recreation, Arts and Facilities, the City's Engineering staff, or by a consultant engineer working for the Department of Public Works.

Task #3: Project Revenue and Budget

The projects revenue and budget are projected out over six years. Ideally, revenue projections are developed by using estimates based upon the City Manager's budget model, with direction from the Finance Director.

Task #4: Analyze Financing Sources

Financing sources for each project are identified by the responsible Department or staff person and may include multiple sources such as the general fund, federal or state grants, special assessments, general obligation or revenue bonds, and tax increment financing.

Task #5 Prioritizing

The projects identified in the inventory and needs assessment are prioritized by the responsible department, according to the priorities they have identified. Those priorities may include items such as available funding, level of need for the resource or facility, or the ability of the improvement to minimize or reduce operating costs.

Task #6: Capital Improvements Program Approval Process

The Planning Commission first holds a public hearing on the draft document. After all questions are answered and any recommended changes are made, the Commission will approve the CIP and forwarded it to the City Council.

III. FUNDING SOURCES

A. General Fund (GF)

General fund monies are primarily derived from local property taxes, state revenue sharing, fines, fees, and charges to other funds. Based upon administrative and operational expenses and committed bond payments, the amount of funds available for capital improvements has varied from year to year. Over the past several years, these funds have dropped significantly for several reasons. Over the past decade the City has experienced an over \$2 million per year decline in state revenue sharing (\$4 million per year if revenue sharing kept pace with inflation). Taxable Value has declined 11.2% from 2009 to 2013. On the expense side, the City has experienced increased costs in health care, pension contributions, and overall operating costs. While staffing has been reduced by over 100 full-time employees to address these challenges, the City continues to maintain the same number of public facilities in the community, placing an additional strain on available resources.

Many expensive projects are financed with General Obligation Bonds, which are then paid off through the General Fund revenues. General Obligation Bonds are bonds issued by the City which are backed by the full faith and credit of the City. Excluding revenue bonds, which are assumed to be self-liquidating, a City is permitted to issue bonds totaling up to 10 percent of the City's assessed value.

B. Street Fund (SF)

Major and Local Street Fund monies are allocated based on a formula devised to distribute a representative portion of the State Gas and Weight Taxes collected to each municipal road agency. However, even with the proposed increases in State funding, the amount of this funding continues to be inadequate to properly maintain the road network. The funds are collected from State excise taxes included in gasoline prices and vehicle licensing fees. The State continues to discuss potential changes to the current funding sources and the amounts allocated to each municipality in an attempt to better fund the current street systems.

C. Parking Fund (PF)

Funds generated from the City's parking system are used to maintain the system and if available, expand the parking facilities.

D. Park Fund (Park)

Funds generated from the Aquatic Center are used to maintain the center.

E. Water Fund (WF)

The Water Fund monies are derived primarily from user fees for City water services. This fund can only be used to maintain and improve the water system

F. Sewer Fund (SW)

The Sewer Fund monies are derived primarily from user fees for City sewer services. This fund can only be used to maintain and improve the sewer system

G. Library Fund (LF)

The East Lansing Public Library received an incredibly generous and anonymous donation of \$1.5 million, in April 2015, (Fiscal Year 2015). The donation is for the renovation of the current library building. Construction began in December 2015 (Fiscal Year 2016) and is expected to finish in September 2016 (Fiscal Year 2017).

H. Special Assessment (SA)

Capital improvements that benefit particular properties, rather than the community as a whole, may be financed more equitably by special assessment; that is, by those who directly benefit.

Local improvements often financed by this method include street improvements (including pavement, curb and gutter, sidewalks, etc.), sanitary and storm sewers, and water mains. These types of improvements are often needed to serve new developments. This method was used most recently to finance street and utility improvements to the Coolidge and Coleman Road extensions and the installation of utilities and alley reconstruction projects.

I. Solid Waste Fund (SWF)

The Solid Waste Management Fund accounts for landfill tipping fees, refuse and yard waste collection and recycling services. Property taxes currently allocated at 1.8250 mills account for the majority of the fund's income. Charges for Services, Interest Income and other Financing Sources make up the remainder of income for the fund.

J. Natural Resource Trust Fund (MNRTF)

The Michigan Natural Resources Trust Fund (MNRTF) provides funding for natural resource protection and outdoor recreation. By law, no more than 25 percent of the Trust Fund revenues available for appropriation each year can be used for development, therefore the majority of funding is allocated for acquisition projects.

K. Community Development Block Grant (CDBG) Program or State Revolving Fund (SRF)

CDBG monies are funds from the Federal government allocated to cities to finance public improvements and programs which serve to eliminate blight and to principally benefit low and moderate income persons.

The total 2016-2017 Block Grant allocation to the City is \$402,804. The Community Development Advisory Committee approved their recommendations and forwarded them on to City Council as part of the budget process. The estimated amount for 2017-2018 is also \$402,804.

L. Michigan Department of Transportation (MDOT)

The State Transportation Improvement Program (STIP) is a federally mandated planning document that lists surface transportation projects that the state plans to fund with federal aid. It provides information on the programs and projects to which state and local transportation agencies have committed to over the next four years, and verifies that transportation resources are available and sufficient to finance them. Included are all federal-aid transit projects, rural federal-aid road projects, federal-aid road projects in small urban areas, and state trunkline projects located within MPO areas. By federal law the STIP list must be:

- Consistent with the state long-range plan
- Financially constrained
- Cover at least four years
- Provide for input from the public

- Meet air quality conformity regulation

The primary source of funding for Michigan's transportation programs are federal funds provided under multi-year federal authorization acts. Federal surface transportation funds are generated from federal motor fuel taxes and certain excise taxes, and distributed to states by formula. The STIP is a compilation of transportation projects that will be authorized for funding in fiscal years 2014-2017. Financially constrained means the total cost of the listed projects cannot exceed available funds; so for a project to be listed in the STIP it has to have identified funding within the four-year period covered by the document. This makes the STIP an important reference used by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) in approving the use of federal funds for transportation projects in Michigan. Projects must be in the STIP to move forward to completion.

M. Tax Increment Financing (TIF)

The City utilizes Tax Increment Financing (TIF) for a variety of development projects. TIF is the utilization of the incremental increase in tax revenue generated from a new project that is greater in value from the development it replaces. The City has three entities that have the ability to utilize TIF: Downtown Development Authority (DDA), Brownfield Redevelopment Authority (BRA), and Local Development Finance Authority (LDFA). The specific use of TIF revenue varies between these three entities, but generally provides for the use of TIF revenue to complete public components of a project. These components include a wide range of activities such as streets and parking (DDA), environmental remediation (BRA), and business development services (LDFA). The legal basis and regulations of TIF are provided for through Michigan law.

N. Donation and Other (DON)

As traditional sources for capital improvements become restricted, private and other non-traditional fund sources offer an opportunity to bridge funding gaps. It is anticipated that the City will begin to look to private funding sources to assist in the overall financing of many public improvements. Private sources are particularly attractive for projects with high visibility such as the Fountain Square improvements at the University Place/Marriott on M.A.C. Avenue. The City also looks at many other creative ways to fund small capital improvement projects through methods such as small grants and "crowd funding", a method by which a small amount of money is raised from a large number of people to fund a project. This process was recently used to raise money to improve the alley off Ann Street Plaza.

O. Bonding (B)

One method to achieve a more balanced funding level for CIP projects is to initiate a ballot proposal for a small millage increase specifically earmarked for CIP projects. This method is used as a means to insure that needed projects can be accomplished on a regular basis, even during tight budgetary times. Both the Aquatic Center (opened in May of 2001) and the East Lansing Hannah Community Center (completed in January 2002) were constructed or remodeled with funds obtained via this method.

IV. STATUS REPORT

A. Inventory

An inventory is kept for all Capital Improvement items to assure that the provisions for maintenance and replacement are made.

1. Water and Sewer Utility Inventory

The Department of Public Works has prepared an inventory of the water and sanitary sewer system. There are four basic facets of the water utility: water lines, valves, meters, and fire hydrants. For the sanitary sewer utility, the data file simply contains information on sewer lines. The sewer lines may consist of combined sanitary and storm sewer lines or separate sanitary sewer lines.

The information for the utility database consists basically of mapped data. This mapped data for sewers includes information on pipe diameter, pipe length, manholes and catch basins. Specific project files include data on pipe material and the date the pipe is installed.

The water database contains specific information dealing with water valves, meters, fire hydrants and includes items such as an identification number, size and pipe material. In addition to being filed according to a specific project improvement, information is also included in a mapped database.

2. Local and Major Streets Inventory

The local and major streets inventory and analysis is completed by using the “Roadsoft” program, developed by the Michigan Department of Transportation. The program contains an assessment of street conditions based upon pavement type, pavement width, its condition, and similar characteristics. These factors may change along each street segment and block.

3. City Building Inventory

The Government Buildings Division has building profiles which contain information on the approximate size of the building in square feet, the date in which the building was constructed, including additions to the building, and the assessment of the general condition of the building.

A thorough analysis of elements of the buildings (City Hall, Fire Station, Library, etc.) including assessments of the structures, roofs, HVAC, plumbing, electrical, floors, walls, etc. was completed in 2005. Included within the assessments are targeted dates for replacement of various elements.

4. Parking System Inventory

A three-year Capital Improvements Plan was implemented for the parking system starting in FY2012. The first year of the plan included extensive rehabilitation work to the Grove

Street Garage (2011) with the Division Street Garage undergoing rehabilitation the following year and extensive painting in 2013. This work was the result of condition assessments completed in 2009 and funded by a \$2 million bond issued in 2011. The work was extended to 2014/2015 with LED lighting upgrades in Grove, Division, and City Center garages and elevator replacements in Grove and Division garages. Another Facility assessment was performed in FY2016 and plans have been put into place for FY2017 to replace our Parking Access Revenue Control system (gated lot equipment), the multi-space meters (adding Valley Court and City Hall), and replacing our single space meters with new smart meters that will accept credit cards and allow for payment with smart phones. In FY2017 we will also be replacing the parking deck in the MAC garage because of severe deterioration, adding a facility generator at Division and a battery inverter at Charles. The generator and inverter are to address emergency lighting systems that no longer function and can no longer be serviced. There are also many caulking repairs, concrete repairs and expansion joint repairs that will need to be addressed in the very near future, hopefully FY2018. In addition, regular inspections identify ongoing capital repair needs.

5. Park and Recreation Facilities Inventory

An inventory of existing park and recreation facilities was completed in 2006 as part of the 2007 update to the City of East Lansing 5-Year Parks Plan. The inventory was conducted over a two-month period, during which time the park plan consultants visited each park and recreation facility and observed and evaluated specific site criteria. Recommendations were made and these were used to develop policy statements, action priorities and a 5-Year Action Program for the City Parks and Recreation system.

6. Downtown Inventory

Downtown improvements have been implemented in conjunction with redevelopment projects that have taken place during the past few years. Additional bike loops, landscaping, and the installation of new litter and recycling containers throughout is currently being implemented throughout the downtown. In future years similar improvements will take place in other areas of the downtown.

B. Needs Assessment

To determine CIP needs for East Lansing, it is necessary to distinguish between expansion or improvement needs and repair and replacement needs. The need for improved facilities is based upon the level of service the City finds desirable. In general, repair or replacement projects are designed to alleviate the need for more costly replacement of entire systems.

1. Utilities

The City has 94 miles of watermain with planned upgrades to the existing distribution system to continue to meet the needs of the existing service area. The age of the water lines range from one to 70 years old. When watermain replacements are needed, plans and specifications are developed and a public bidding process is conducted. Each year approximately 10 to 20 valves

are typically replaced through routine maintenance and construction projects. Yearly expenditures for maintenance of the water system typically average \$100,000 per year.

The sewer system continues to require the greatest need for major improvements. The basic problem with the maintenance of the sewer system relates to the fact that breaks in the sewer lines cannot be anticipated or forecast with any great deal of certainty. The City has addressed the need to eliminate the environmental pollution created by the combined sewer overflow into the Red Cedar River. This was accomplished with the construction of the Combined Sewer Overflow (CSO) system Control Project. This was a three phase project. The project consisted of constructing a tunnel to intercept the additional combined sewage, which is primarily storm water, and transporting it to a large retention basin for primary treatment. The water is then pumped to the Water Resource Recovery Facility for treatment until flows subside to normal levels and adequate capacity is available in the existing system. The funds to cover this project were provided by a low interest loan from the State of Michigan Revolving Loan Fund. Increases in the sewer rates will continue to be needed in the future to pay for additional upgrades and improvements to the system.

The City analyzes sewer lines through televising and cleaning. Any problems that are encountered are scheduled for routine maintenance or correction. An average of \$150,000 per year is projected for these repairs, which is done through contractual services.

The City's Water Resource Recovery Facility has made significant improvements over the years but because of the ongoing wear on mechanical and electrical equipment there is a continual need to replace equipment and upgrade technology in the plant. The City continues to review and schedule upgrades to increase capacity and improve efficiency. The plant is currently designed to handle flows in the range of about 20 million gallons per day. Average flows are now about 12 million gallons per day. The current plant has sufficient capacity to meet the City's existing needs, but to better meet the environmental and future development needs, we will continue to improve the technology and add additional capacity for the future.

2. Major and Local Streets

The City has 63.83 miles of local streets, 21.59 miles of major streets, and seven miles of State highways. Much of the funding available for the maintenance and improvement of these streets in the past came from funds distributed through Public Act 51 - Gasoline Tax Funds.

The City intends on adding to the street system with the extension of Coleman Road from West Road to Wood Street which is currently in the preliminary planning stages. The City is working with neighboring jurisdictions, property owners and developers regarding funding and construction timing for street improvement projects.

3. Parks and Recreation

The City of East Lansing has nearly 490 acres of parks, recreation and open space property. These properties are discussed in the Parks, Recreation, Open Space and Greenways Plan. This plan contains a five-year proposed capital improvement program and must be updated every five years in order to be eligible for funds from the Michigan Department of Natural Resources Grant

Programs. The latest plan was completed in 2015 and outlines the City of East Lansing parks and recreation program for the years 2015-2019.

4. Parking

Staff constantly evaluates ideas which could improve the operational and financial aspects of the parking system in terms of operational savings, increased revenue, and alternative management structure. The Parking Division has obtained the services of an engineering consultant to evaluate the garages and develop a needs assessment and bid out and manage any required repairs. The Parking Division operates under a 5-Year Parking Master Plan on financial, maintenance and operational matters.

V. CAPITAL IMPROVEMENT POLICIES

In reviewing capital improvements, the City's Comprehensive Plan has been a major policy document used in evaluating the Capital Improvements Program. The Comprehensive Plan, which was adopted by the Planning Commission in 2006 and currently in the process of being updated, is a broad based policy document for the physical, economic and social development of the City. One of the key methods for implementing the Plan's proposals lies in the City's schedule of public improvements as expressed in the annual CIP.

The following is a general guideline used in preparing the CIP:

1. The City will develop a multi-year plan for capital improvements, update it annually and continue to increase the percentage of the City's Community Development Block Grant (CDBG) allocations committed for capital improvements.
2. The City shall, to the extent possible, designate that funding for second and third priority projects be given a higher priority and leverage City resources with private or other fund sources.
3. The City will maintain its physical assets at a level adequate to protect the City's capital investment and to minimize future maintenance and replacement costs.
4. The City will use the following criteria to evaluate the relative merit of each capital project:
 - a. capital improvements which preserve the City's infrastructure;
 - b. capital improvements which foster the vitality and physical improvement of the downtown;
 - c. capital improvements which preserve the residential character of the community;
 - d. capital improvements which improve the City's parks and its recreational facilities; and

- e. projects which are environmentally advantageous to both the natural and human habitat.
5. Priority will be given to those capital improvements which:
- a. implement a component of the Comprehensive Plan;
 - b. are part of an approved replacement schedule;
 - c. reduce either the cost of operations or energy consumption; and
 - d. support neighborhood preservation efforts in an area where the majority of households are of low and moderate income.
6. No project will be considered for capital funding if:
- a. the project violates the principles and concepts of the Comprehensive Plan; and
 - b. the project is duplicative of other public or private services.

VI. SUMMARY

Table 1 is a six-year projection on spending for various functional areas of the City's Capital Stock. Table 2 is the City's bonded indebtedness and payment schedule for the next six years.

If the City is to achieve the goals and objectives presented in the Comprehensive Plan, it will be necessary to make a firm financial commitment to capital improvements through a variety of means in ensuing years. The improvement or replacement of existing public facilities and the development of needed new facilities must be weighed equally with the continued provision of local programs and services in allocating local resources. If existing facilities are allowed to deteriorate, it could result in more severe financial pressures in the future when breakdowns occur. Failure to provide new facilities could impede growth or diminish the desirability, and thus the value, of existing development.

One major emphasis in the last few years has been the repair and replacement of primary public facilities – streets, including curbing and sidewalks, sewers and water lines. These projects are a high priority as the Comprehensive Plan recognizes that the maintenance of such facilities is vital to the goal of preserving the quality of existing neighborhoods in the City.

2017-2022

Capital Improvements Program

APPENDIX

Capital Improvement Item	2016 Proposed	2016 Actual	Fund Source	2017 Proposed	2018 Proposed	2019 Proposed	2020 Proposed	2021 Proposed	2022 Proposed	Funding Undetermined (UND)	General Fund (GF)	Street Fund (SF)	Parking Fund (PF)	Park Fund (Park)	Water Fund (WF)	Sewer Fund (SEF)	Library Fund (LF)	Special Assmt. (SA)	Solid Waste Fund (SWF)	Natural Resource Trust Fund (NRTF)	CDBG or *State Revolving Fund (SRF)	MDOT	DDA TIF (TIF)	Donation or Other (DON)	Bond (B)		
Municipal/Public Facilities																											
City Hall																											
Security Upgrade to City Hall Including																											
1	Remove Wallpaper and Paint Courtrooms, Court Lobby, Secured Corridor, Jury Room and Offices	40,000	0	GF		40,000				40,000																	
2	Replace Carpet in Court Secured Corridor	10,000	0	GF		15,000				15,000																	
3	Engineering for lift to replace freight elevator					20,000				20,000																	
4	ADA Improvements																										
5	- Replace sidewalk along Abbot Road				30,000						30,000																
6	- Replace sidewalk along Linden				25,000						25,000																
7	- Construct ADA parking on Abbot Road					30,000				30,000																	
8	- Replace sidewalk along N side of bldg and rework parking spaces				30,000						30,000																
9	- ADA door openers for Courtrooms				10,000						10,000																
10	Replace SW exterior stairs				15,000						15,000																
11	Install covered bicycle parking area				10,000						10,000																
12	Site wayfinding signage					20,000				20,000																	
13	Replace NE entry doors				15,000						15,000																
14	Interior wayfinding signage					15,000					15,000																
15	Proximaty card system					35,000					35,000																
16	Facility Condition Assessment					20,000					20,000																
17	Install new lift in place of freight elevator					500,000					500,000																
18	Egress lighting to meet code requirements					130,000					130,000																
19	Fire Alarm system to meet code requirements					97,000					97,000																
20	Rebuild Main Air Handler and Return Air							15,000			15,000																
21	Replace Carpet and Paint - Community Events, Communications, and Pre-Sentencing Offices and Paint Second Floor Hallways							40,000			40,000																
22	Replace Carpet and Paint Conference Room A							10,000			10,000																
23	Replace Carpet and Paint Police Administration Office							50,000			50,000																
24	Replace Central Interior Stairwell Handrails							18,000			18,000																
25	Install Stand Alone Air Unit in Court IT Room							23,000			23,000																
26	Replace Jail Cell Locks							25,000			25,000																
27	Re-Paint and Re-Carpet 1st Floor Offices and Common Area							100,000			100,000																
28	Renovate Police Women's Locker Room						110,000				110,000																
29	Landscaping Around Building						20,000				20,000																
30	Replace City Hall AHU								58,000		58,000																
31	Upgrade Energy Management System										37,000																
32	New Pew Cushions or Chairs for Courtrooms										7,500																
33	Upgrade Interior of Elevator Car (Cosmetic)										4,000																
34	Replace Trash Compactor										30,000																
	SUBTOTAL	50,000	0		135,000	922,000	281,000	130,000	58,000	78,500	1,469,500	135,000															
Downtown																											
Sidewalks																											
35	500 Block of Albert Ave.	11,760	0	TIF				11,760																			
36	600 Block of Albert Ave.						3,360																				
37	600 Block of E. Grand River Ave.						12,800																				
38	100 Block of Abbot					72,000																					
39	100/200 Block of Albert Ave.				75,000																						
40	100/200 Block of E. Grand River Ave.							118,000																			
Bike Loops																											
41	300 Block of E. Grand River Ave.																										
42	400 Block of E. Grand River Ave.	3,600	0	TIF																							
43	500 Block of E. Grand River Ave.							3,600																			
44	600 Block of E. Grand River Ave.						3,600																				
45	100/200 Block of E. Grand River Ave.		3,383	TIF			1,800																				
46	Other Areas		3,055	TIF																							
Landscaping																											
47	300 Block of E. Grand River Ave.																										
48	400 Block of E. Grand River Ave.	5,500	325	TIF																							
49	500 Block of E. Grand River Ave.		975	TIF				7,150																			
50	600 Block of E. Grand River Ave.						3,850																				
51	100/200 Block of E. Grand River Ave.		325	TIF			9,350																				
Refuse & Recycling Systems																											
52	300 Block of E. Grand River Ave.				26,292						13,146																

Capital Improvement Item		2016 Proposed	2016 Actual	Fund Source	2017 Proposed	2018 Proposed	2019 Proposed	2020 Proposed	2021 Proposed	2022 Proposed	Funding Undetermined (UND)	General Fund (GF)	Street Fund (SF)	Parking Fund (PF)	Park Fund (Park)	Water Fund (WF)	Sewer Fund (SEF)	Library Fund (LF)	Special Assmt. (SA)	Solid Waste Fund (SWF)	Natural Resource Trust Fund (NRTF)	CBDG or *State Revolving Fund (SRF)	MDOT	DDA TIF (TIF)	Donation or Other (DON)	Bond (B)	
53	400 Block of E. Grand River Ave.	2,700	0	DDA DPW		26,292					13,146													13,146			
54	500 Block of E. Grand River Ave.						13,146				6,573														6,573		
55	600 Block of E. Grand River Ave.						13,146				6,573														6,573		
56	100/200 Block of E. Grand River Ave.		67,000	TIF Grant DPW																							
Newspaper Rack Enclosures																											
57	400 Block of E. Grand River Ave.	1,250	0	TIF						1,250																	1,250
58	500 Block of E. Grand River Ave.								1,250																		1,250
59	600 Block of E. Grand River Ave.							1,250																			1,250
60	100/200 Block of E. Grand River Ave.						1,250																				1,250
Street Furniture																											
61	300 Block of E. Grand River Ave.																										
62	400 Block of E. Grand River Ave.	200	0	TIF						200																	200
63	500 Block of E. Grand River Ave.								1,300																		1,300
64	600 Block of E. Grand River Ave.							1,300																			1,300
65	100/200 Block of E. Grand River Ave.						1,300																				1,300
Amenities/Planters																											
66	300 Block of E. Grand River Ave.																										
67	400 Block of E. Grand River Ave.	2,400	0	TIF						2,400																	2,400
68	500 Block of E. Grand River Ave.								2,400																		2,400
69	600 Block of E. Grand River Ave.							2,400																			2,400
70	100/200 Block of E. Grand River Ave.						2,400																				2,400
Tobacco/Ash Urns																											
71	300 Block of E. Grand River Ave.																										
72	400 Block of E. Grand River Ave.	450	0	TIF						450																	450
73	500 Block of E. Grand River Ave.								450																		450
74	600 Block of E. Grand River Ave.							450																			450
75	100/200 Block of E. Grand River Ave.						450																				450
Signage																											
76	Wayfinding Signs	18,200	0																								
SUBTOTAL		46,060	75,063		101,292	98,292	160,842	29,010	27,910	13,400	39,438													391,308			
Library																											
77	Complete Reconfiguration and Renovation of Public and Staff Space (including furniture, electric, data)	0	700,000	DON	800,000																					800,000	
78	- Space Planning: Hire interior designer to develop a plan to fully utilize available space throughout the library																										
79	- Reconfigure Reference Area																										
80	- Replace Floor Tile in Men's and Women's Restroom	7,500	0	DON																							
81	- Fire Sprinkler System throughout: Includes dry fire suppression system	100,000	0	DON																							
82	Roof Section C	90,000	0	DON																							
83	- Men's and Women's Main Entry Restroom Partition Replacement																										
84	- Meeting Room Upgrade: Purchase new equipment for meeting room kitchen, paint, new seating and tables																										
85	- Expand Teen Area: Add data, electric and technology																										
86	- Replace Interior Doors as needed																										
87	Replace AHU's - one per year				36,000	36,000	36,000	36,000			144,000																
88	Reconfigure Staff Area	25,000	0	DON	100,000																						100,000
89	Roof Section B							60,000			60,000																
90	1090 Abbot Re-build: This building is located to the north side of the Library. The Library Board is considering its future acquisition for an extension of the Library for future needs such as a teen space or a Maker Space. Costs include: renovate interior of building, purchase furniture, equipment, technology, security cameras, reconfigure to a digital lab space.						1,500,000																				1,500,000
91	Replace existing chiller with 410A refrigerant, scroll compressors				55,000						55,000																
92	Repair and replacement of sidewalks and handicap ramp				20,000													20,000									

Capital Improvement Item	2016 Proposed	2016 Actual	Fund Source	2017 Proposed	2018 Proposed	2019 Proposed	2020 Proposed	2021 Proposed	2022 Proposed	Funding Undetermined (UND)	General Fund (GF)	Street Fund (SF)	Parking Fund (PF)	Park Fund (Park)	Water Fund (WF)	Sewer Fund (SEF)	Library Fund (LF)	Special Assmt. (SA)	Solid Waste Fund (SWF)	Natural Resource Trust Fund (NRTF)	CBDG or *State Revolving Fund (SRF)	MDOT	DDA TIF (TIF)	Donation or Other (DON)	Bond (B)	
93 Front landscaping				5,000													5,000									
Technology Projects																										
94 Meeting Room Upgrade: Upgrade technology to include new projector, new screen, new sound system, additional microphones					30,000																			30,000		
95 Sierra Application Server Replacement				20,000													20,000									
96 Sierra Database Server Replacement					20,000												20,000									
97 Bibliocommons Setup				55,000													55,000									
98 Maker Studio Technology				40,000																				40,000		
99 Teen area technology				15,000													15,000									
100 Early childhood literacy technology				25,000													25,000									
SUBTOTAL	222,500	700,000		1,171,000	86,000	1,536,000	96,000			259,000							160,000							2,470,000		
Fire Station																										
101 Replace Boiler				49,000							49,000															
102 Facility Condition Assessment					10,000					10,000																
103 Replace Main AHU					52,000					52,000																
104 Exterior Lighting Replacement					10,000					10,000																
105 Remote Door Lock					10,000					10,000																
106 Multi-Zone AHU w/Hot Water Coil					23,000					23,000																
107 Replace Truck Bay Heater					8,000					8,000																
108 Automated Overhead Door Closer					10,000					10,000																
109 Repaint Ceilings as Needed						10,000				10,000																
110 Window Coverings						1,000				1,000																
111 Repaint Walls as Needed						7,000	5,000			12,000																
112 Recarpet or Refinish Floors as Needed							12,500			12,500																
113 Replace Kitchen Cabinets							11,000			11,000																
114 Replace Interior Doors as Needed								10,500		10,500																
115 Energy Management System									57,000	57,000																
Rescue Vehicles																										
116 Harness	51,800	0	GF	51,800						51,800																
117 Bottles	17,500	0	GF	17,500						17,500																
118 AED	2,900	0	GF	2,900						2,900																
119 Stretcher	4,500	0	GF	4,500						4,500																
120 Turnout	132,000	0	GF	132,000						132,000																
121 Lifepak										37,500																
122 Life-Stat										30,100																
SUBTOTAL	208,700	0		325,300	123,000	18,000	28,500	10,500	57,000	513,300	49,000															
Department of Public Works																										
123 Replace Carbon Dioxide Sensor in Truck Bay	8,500	7,895	GF																							
124 Replace NO2 Sensors in Truck Bay	15,000	14,291	GF		250,000						250,000															
SUBTOTAL	23,500	22,186			250,000						250,000															
Hannah Community Center																										
125 Whole Building Generator									200,000	200,000																
126 Basement Pool Ceiling Concrete Repair	7,000	0	Park																							
127 Replace Pipe Hangers & Supports in Pool Basement	5,000	4,462	Park																							
128 Replace Pool Exhaust	10,000	12,825	Park																							
129 Replace Pool Chemtrol	3,000	0	Park																							
130 Replace Pool Water Recirculation Pump					15,000					15,000																
131 Fitness Equipment Replacement	20,000	5,000	Park		20,000	20,000	20,000	20,000	20,000	100,000																
132 Tuck pointing	10,000	0	Park		12,000	11,120				23,120																
133 Chiller Piping Insulation				16,000							16,000															
134 Roof Replacement																										
135 - Section A	160,000	0	Park		160,000					160,000																
136 - Section N						60,000				60,000																
137 - Section O							75,000			75,000																
138 - Section P								100,000		100,000																
139 - Section M									15,000	15,000																
140 etc.)					85,000	85,000	85,000	85,000	85,000	425,000																
141 3rd Floor Access Improvements Including Covered Fire Escape					150,000	500,000	500,000			1,150,000																
142 Theater Sound & Lighting Upgrades					50,000					50,000																
143 Upgrade Emergency Management System					100,000					100,000																
144 Renovate Restrooms						50,000				50,000																

Capital Improvement Item	2016 Proposed	2016 Actual	Fund Source	2017 Proposed	2018 Proposed	2019 Proposed	2020 Proposed	2021 Proposed	2022 Proposed	Funding Undetermined (UND)	General Fund (GF)	Street Fund (SF)	Parking Fund (PF)	Park Fund (Park)	Water Fund (WF)	Sewer Fund (SEF)	Library Fund (LF)	Special Assmt. (SA)	Solid Waste Fund (SWF)	Natural Resource Trust Fund (NRTF)	CDBG or *State Revolving Fund (SRF)	MDOT	DDA TIF (TIF)	Donation or Other (DON)	Bond (B)		
145 Swimming Pool Renovations								750,000		750,000																	
146 Add Canopy over Front Entry Doors									35,000	35,000																	
147 Replace Front Entrance Doors									23,600	23,600																	
SUBTOTAL	215,000	22,287		16,000	592,000	726,120	680,000	955,000	378,600	3,331,720	16,000																
Valley Court Community Center																											
148 Repair Retaining Wall Behind Building	25,000	0	GF		25,000					25,000																	
149 Complete renovation								650,000		650,000																	
SUBTOTAL	25,000	0			25,000			650,000		675,000																	
Board of Water and Light Building																											
150 Roof, Eaves, Soffit replacement	50,000	0	GF		50,000						50,000																
151 Interior Improvements							150,000			150,000																	
SUBTOTAL	50,000	0			50,000	150,000				150,000	50,000																
Pump House																											
152 Remove Overgrown Landscaping					5,000					5,000																	
153 Interior Maintenance						15,000				15,000																	
154 Repair/Replace Benches & Picnic Tables							10,000			10,000																	
SUBTOTAL					5,000	15,000	10,000			30,000																	
Bailey Community Center																											
SUBTOTAL																											
Aquatic Center																											
155 Equipment Reserve for Typical Replacement Needs	25,000	0	Park		25,000	25,000	25,000	25,000	25,000					125,000													
156 Replenish Equipment Reserve	175,000	0	Park						175,000	175,000																	
157 Replace boiler with condensing boiler					44,000					44,000																	
158 Repair drop slide	0	13,000	Park																								
159 Replace Dumpster Screen					5,000									5,000													
160 Fence Replacement Program (5 yr)					10,000	10,000	10,000	10,000	10,000	50,000																	
161 Landscaping (complete replacement)					10,000	10,000	10,000	10,000	10,000					50,000													
162 Replace Funbrellas	0	8,000	Park		15,000	15,000	20,000			50,000																	
163 Replace Gate					8,000									8,000													
164 Replace Pool Liner					75,000					75,000																	
165 Replace Play Features as They Age					20,000				30,000	50,000																	
166 Renovate restrooms/bathhouse facility									150,000	150,000																	
167 Roof Repair									30,000	30,000																	
168 Replace Fiberglass Portions of Slides									100,000	100,000																	
SUBTOTAL	200,000	21,000			212,000	60,000	65,000	45,000	530,000	724,000				188,000													
Softball Complex																											
169 Fence repair/replacement program					15,000	15,000	15,000	15,000	15,000	75,000																	
170 Shade structures for dugouts					10,000	10,000	10,000	10,000		40,000																	
171 Scoreboard replacement program					10,000	15,000	15,000	15,000		55,000																	
172 Restroom partition replacement					10,000					10,000																	
173 Playground									50,000	50,000																	
SUBTOTAL					45,000	40,000	40,000	40,000	65,000	230,000																	
Soccer Complex																											
174 Dumpster Enclosure	5,000	0	Park		5,000					5,000																	
175 Drainage - Add Drain Tiles					15,000	15,000	15,000	15,000		60,000																	
176 Replace Kiosk(s)					5,000					5,000																	
177 Replace Scoreboards					15,000		15,000			30,000																	
178 Replace Trash Receptacles						5,000		5,000		10,000																	
179 Restroom Partition Replacement					10,000					10,000																	
180 Fence Replacement Program						15,000	10,000	10,000		35,000																	
181 Pave Walking Loop									50,000	50,000																	
SUBTOTAL	5,000	0			50,000	35,000	40,000	30,000	50,000	205,000																	
Park Improvements																											

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Neighborhood Park General Improvements																									
182 Improvements to 18 Neighborhood Parks including items such as walkways, benches, picnic tables, signage, etc.					72,000	90,000	90,000	90,000	90,000	432,000															
Parking Lots																									
183 Resurface Hannah Lots					30,000					30,000															
184 Pave Entry Drive and Parking at Abbot Road Park or Pave Handicap Spaces and Route to Trail					200,000					200,000															
185 Repave Emerson Park Lot						8,000				8,000															
186 Resurface Soccer Complex Lots and Entry Drive						30,000				30,000															
187 Expand Soccer Complex Lots and Entry Drive						100,000				100,000															
188 Seal/Resurface Softball Complex/Aquatic Center Lot							30,000			30,000															
189 Resurface Harrison Meadows Lot							15,000			15,000															
190 Pave/Construct Patriarche Park Lots and Drives								300,000	450,000	750,000															
191 Seal Fine Park Lot									4,000	4,000															
192 Seal White Park Lots									8,000	8,000															
193 Seal Valley Court Lot									5,000	5,000															
Playgrounds																									
194 Replace and install poured in place surfacing for tots lots in three parks					35,000		35,000	35,000		105,000															
195 Replace and install poured in place surfacing for playgrounds in 13 parks					110,000	110,000	110,000	110,000	110,000	550,000															
Tennis Courts																									
196 Remove Tennis Courts in Marble Park						30,000				30,000															
197 Remove Tennis Courts in Red Cedar Park							45,000			45,000															
198 Remove Tennis Courts in Valley Court Park								30,000		30,000															
199 Reconstruct Tennis Courts in Patriarche Park							200,000		200,000	400,000															
Basketball Courts																									
200 Resurface Tamarisk Park Basketball Court					15,000					15,000															
201 Resurface Patriarche Park Basketball Court						15,000				15,000															
202 Resurface Harrison Meadows Basketball Court							15,000			15,000															
Natural Areas Management																									
203 Develop Management Plan for 350 Acres of Natural Areas in 9 Locations Throughout the Park System					15,000	15,000	15,000	15,000	15,000	75,000															
204 Management Plan Implementation					50,000	50,000	50,000	50,000	50,000	250,000															
Abbot Road Park																									
205 Replace Bollards, Wood Signs, Trash Can, Kiosk					10,000					10,000															
206 Nature Trail Improvements						15,000	15,000			30,000															
Albert A. White Park																									
207 Repair Asphalt Trail at Viewing Platform & Bridge	2,000	0	Park																						
208 Replace Bridge					20,000					20,000															
209 Pond Assessment and Management Plan						15,000				15,000															
210 Nature Trail Improvements					20,000	15,000	15,000			50,000															
211 Road									350,000	350,000															
212 Develop Welcome Plaza at Lake Lansing Road									350,000	350,000															
Bailey Park																									
213 Replace Chain link Fence					40,000					40,000															
214 Park Improvements				25,000																				25,000	
Burcham Park																									
215 Park Improvement Plan								10,000		10,000															
216 Community Solar Project					5,000					5,000															
Medal of Honor Memorial/Veterans Park																									
217 Construction of Veterans Park at Hannah	15,000	0	DON	25,000																				25,000	
Dog Park																									
218 Fob Entry System					15,000					15,000															
219 Construct ADA Pathway from Northern Tier Trail					8,000					8,000															
220 Install Park Lighting									20,000	20,000															
Ehinger Park																									
Emerson Park Access from Neighborhood																									
221 Acquire Easement for Pedestrian Access into Park									30,000	30,000															
Glencair Park																									
Hidden River Park																									
Hannah Site/Britton Park																									
222 Fence Repair					15,000	10,000				25,000															
Harrison Meadows Park																									
Harrison Road Park																									
223 Finish Walkway									10,000	10,000															
224 Park Identification Signage									5,000	5,000															
Henry Fine Park																									
225 Replace Walking Bridges						25,000				25,000															

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226 Wildlife Viewing Platform at Pond and Paved Access Trail							30,000		120,000	150,000																	
Northern Tier Trail																											
227 Fence and Decking Repair/Replacement					20,000	25,000				45,000																	
228 Replace Kiosks					4,000		4,000	4,000	4,000	16,000																	
229 Replace Signage					4,000					4,000																	
230 Resurface/Rebuild Lake Lansing Road to Soccer Complex					250,000					250,000																	
231 Trail Signage and Mile Marker Installation						15,000	15,000	10,000	10,000	50,000																	
232 Resurface/Rebuild trail from Lake Lansing Road to Harrison Meadows						400,000				400,000																	
233 Install Trail from Bogue Street to Hagadorn Road Along North Side of Red Cedar River						350,000				350,000																	
234 Resurface/Rebuild trail from Harrison Meadows Park to Towar							300,000			300,000																	
235 Extend trail west from Soccer Complex to Coolidge								3,000		3,000																	
236 Resurface/Rebuild trail from Soccer Complex to State Road									400,000	400,000																	
237 Resurface/Rebuild trail from Soccer Complex to State Road									400,000	400,000																	
238 Expand Trail South to the Red Cedar River									750,000	750,000																	
John M. Patriarche Park																											
239 Convert 2 tennis court to 6 pickleball courts	0	15,000	UND DON																								
240 Youth Baseball Field Improvements	10,000	0	DON		120,000															50,000				70,000			
241 Softball Field Improvements						30,000				30,000																	
242 Pavilion					75,000					75,000																	
243 Renovate Restroom Buildings						100,000				100,000																	
244 Improve Volleyball Courts							5,000			5,000																	
245 Remove Obsolete Playground Equipment							15,000			15,000																	
Stoddard Park																											
Tamarisk Park																											
Valley Court Park																											
Robert Shaw Park																											
SUBTOTAL	27,000	15,000		50,000	1,133,000	1,448,000	1,004,000	657,000	3,381,000	7,503,000										50,000				120,000			
Infrastructure Improvement Projects																											
Major Street Improvements																											
246 Abbot - Saginaw to Burcham: The project includes milling the top asphalt layer and repaving the entire width of the roadway. The project also includes spot curb and gutter rework ramps at all intersections, and replacing hazardous sidewalk squares.	640,800	0	SF MDOT																								
247 Harrison - Saginaw to Lake Lansing: The project includes the installation of a new sanitary sewer interceptor in Harrison Road from Woodingham to Lake Lansing and the replacement of the existing water main in much of Harrison Road. The entire roadway will be removed and reconstructed including new curb and gutters on much of the roadway. The project also includes reconstructing driveway approaches as needed, providing ADA compliant sidewalk ramps at all intersections, and replacing hazardous sidewalk squares. The new roadway will be striped as a three lane roadway with designated bicycle lanes in each direction.	225,000	0	SF MDOT	1,200,000							240,000											960,000					
248 Alton - Burcham to Saginaw					1,047,835																						
249 Hagadorn - Haslett to Lake Lansing					404,590																						
250 Harrison - Forest to Mt. Hope						236,240																					
251 Forest - Harrison to College							431,800																				
252 Trowbridge - Arbor to Harrison							607,480																				
253 127 Sound Wall	75,000	0	SF																								
254 Lake Lake Concrete Repairs				40,000	50,000	250,000																					
255 Signal Upgrading				67,000	100,000	100,000	100,000	100,000	100,000																		
256 Street Patching and Minor Repairs	17,000	0	SF	17,000	17,000	17,000	17,000	17,000	17,000																		

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257 Unidentified: The projects selected will be based on several issues- available funding from MDOT, the City's roadway evaluation ratings (PASER rating), potential new economic development projects (e.g. Park District, Gateway Project, etc.), and coordinating the street improvements with water and sewer infrastructure work.							1,000,000					200,000										800,000			
SUBTOTAL	957,800	0		1,324,000	1,619,425	603,240	2,156,280	117,000	100,000			1,977,589										3,942,356			
Local Street Improvements																									
258 Misc. Culvert Repair	25,000	0	SF	25,000								25,000													
259 Chesterfield Paving Phase I and Phase II	326,250	0	SF	200,000								200,000													
260 Local Street Paving	25,000	0	SF		250,000	300,000	310,000	320,000				1,180,000													
261 Local Street Asset Management Plan				100,000	125,000	150,000	155,000	160,000				690,000													
SUBTOTAL	376,250	0		325,000	375,000	450,000	465,000	480,000				2,095,000													
Sidewalks																									
263 Hazardous Sidewalk Program is included in each Local Street, Major Street and Neighborhood project under General Fund Cost	250,000	0	GF	220,000	250,000	250,000	250,000	250,000	250,000		1,470,000														
264 CDBG 13/14-MAC Avenue																									
265 CDBG 14/15-Grove Street	15,665	0	CDBG																						
266 CDBG 15-16- Bailey Neighborhood	79,000	0	CDBG																						
267 CDBG 16-17				160,000																	160,000				
268 Unidentified					85,000	85,000	85,000	85,000													340,000				
SUBTOTAL	344,665	0		380,000	335,000	335,000	335,000	335,000	250,000		1,470,000										500,000				
Utilities																									
Water																									
269 Alton Water Tower	120,000	128,000	WF																						
270 Abbey Water Tower					135,000										135,000										
271 Shaw Water Tower				235,000											235,000										
272 Hagadorn Water Tank						320,000									320,000										
273 Hagadorn Water Tank-Pump	65,000	0	WF																						
274 Radio Meter Read Conversion	50,000	0	WF	30,000	100,000	100,000	100,000								330,000										
275 Burcham Valve Repairs				80,000											80,000										
276 Glenmoor Waterline	190,000	0	WF	50,000											50,000										
277 System Liability Repairs				200,000											200,000										
278 State Road Water Main					570,000										570,000										
279 Unidentified Water Main Repairs/Replacement					200,000	200,000	200,000	200,000	200,000						1,000,000										
Sewer																									
280 Red Cedar Interceptor	140,000	0	SEF	150,000	2,100,000											2,250,000									
281 Brody and Michigan Interceptor				630,000	701,000											1,331,000									
282 Gainsborough Culvert Lining	35,000	0	SEF																						
283 Chesterfield Spot Repairs	130,000	0	SEF																						
284 Spot Repairs and Lining				195,000	200,000											395,000									
285 Unidentified					1,000,000	1,000,000	1,000,000	1,000,000	1,000,000						5,000,000										
SUBTOTAL	730,000	128,000		1,570,000	5,006,000	1,620,000	1,300,000	1,200,000	1,200,000						7,920,000	3,976,000									
Water Resource Recovery Facility																									
286 Ultra-Violet and Tertiary	10,000,000	0	SRF	2,000,000																	2,000,000				
287 Interceptor & Head works (Pumping & Grit) & Misc. Facilities Improvements	200,000	0	SRF	2,000,000	18,000,000	2,500,000															22,500,000				
SUBTOTAL	10,200,000	0		4,000,000	18,000,000	2,500,000															24,500,000				
Solid Waste and Recycling																									
SUBTOTAL																									
IT Projects																									
288 Document Imaging/Management	8,000	0	GF	8,000	8,000	8,000	8,000	8,000			40,000														

Capital Improvement Item	2016 Proposed	2016 Actual	Fund Source	2017 Proposed	2018 Proposed	2019 Proposed	2020 Proposed	2021 Proposed	2022 Proposed	Funding Undetermined (UND)	General Fund (GF)	Street Fund (SF)	Parking Fund (PF)	Park Fund (Park)	Water Fund (WF)	Sewer Fund (SEF)	Library Fund (LF)	Special Assmt. (SA)	Solid Waste Fund (SWF)	Natural Resource Trust Fund (NRTF)	CBDG or *State Revolving Fund (SRF)	MDOT	DDA TIF (TIF)	Donation or Other (DON)	Bond (B)		
SUBTOTAL	8,000	0		8,000	8,000	8,000	8,000	8,000			40,000																
Neighborhood Redevelopment/Improvement																											
SUBTOTAL																											
Economic Development																											
289 Park District Infrastructure	5,100,000	0	TIF		5,000,000					5,000,000																	
290 Coleman Road Extension					10,000,000					10,000,000																	
SUBTOTAL	5,100,000	0			15,000,000					15,000,000																	
Parking																											
290 Parking Garage Annual Maintenance	100,000	150,000	PF	100,000	100,000	100,000	100,000	100,000	100,000				600,000														
291 Lighting Upgrades (Division, Charles)	275,125	275,125	PF																								
292 Charles battery back-up replacement				30,000									30,000														
293 Division facility generator				85,000									85,000														
294 MAC Avenue Garage (University Place) Reconstruction				4,000,000																			4,000,000				
295 Point of Sale Technology improvements				2,000,000									2,000,000														
SUBTOTAL	375,125	425,125		6,215,000	100,000	100,000	100,000	100,000	100,000				2,715,000											4,000,000			
TOTAL	18,206,800	1,408,661		15,620,592	44,034,717	10,086,202	6,486,790	4,713,410	6,203,500	30,129,958	2,010,000	4,072,589	2,715,000	188,000	7,920,000	3,976,000	160,000			50,000	25,000,000	3,942,356	4,391,308	2,590,000			

Table 2
Schedule of Bonded Indebtedness
FY2017-FY2022
 Rev. 05/03/2016

DEBT SERVICE SCHEDULE (principal and interest)
CITY OF EAST LANSING

<u>BOND PROJECT</u>	<u>Year Issued</u>	<u>Amount of Issue</u>	<u>Type of Debt</u>	<u>Funding Source</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	<u>FY2022</u>	<u>Six-Year Total</u>
Aquatics Center (refinanced in 2009)	1998	3,500,000	GOB	Gen/Debt	261,646	262,589	262,548	-	-	-	786,783
Hannah Center - First Phase (refinanced in 2009)	1998	5,500,000	GOB	Gen/Debt	409,242	410,717	410,652	-	-	-	1,230,611
Hannah Center - Second Phase	1999	1,500,000	GOB	Gen/Debt	131,823	130,330	128,500	-	-	-	390,653
SUBTOTAL Debt Millage					802,711	803,636	801,700	-	-	-	2,408,047
Capital Improvements	2008	795,000	GOLTD	General	58,644	61,944	60,031	58,119	56,206	59,294	354,238
Avondale Square	2010	2,365,000	GOLTD	Gen/CIP	191,915	193,600	195,030	191,205	192,380	193,300	1,157,430
Special Assessment 71 A&B	2006	3,910,000	Special Assess	Gen/SA	387,600	-	-	-	-	-	387,600
SUBTOTAL GENERAL DEBT SERVICE					1,440,870	1,059,180	1,056,761	249,324	248,586	252,594	4,307,315
Section 108 Loan	2006	1,500,000	GOLTD	HUD-CDBG	118,691	114,788	110,783	106,721	102,611	98,456	652,050
DDA SmartZone	2008	430,000	GOLTD	DDA	deceased in July 2014		-	-	-	-	-
DDA SmartZone	2009	415,000	GOLTD	DDA	deceased in July 2014		-	-	-	-	-
DDA Refinancing Bonds - City Center	2015	2,850,000	GOLTD	DDA	307,546	310,121	316,551	327,179	331,719	340,339	1,933,455
Methane Extraction System	2009	515,000	GOLTD	Solid Waste	62,375	60,175	62,700	-	-	-	185,250
Michigan Transportation Bonds	2009	1,540,000	GOLTD	Streets	139,813	136,063	137,063	137,600	137,540	137,250	825,329
ENTERPRISE FUND DEBT											
Lot 1 & 7 Improvements	1997	975,000	LTD. TAX	Parking	80,359	86,859	-	-	-	-	167,218
Lot 12 Uplace Refunder	2009	4,725,000	LTD. TAX	Parking	752,950	-	-	-	-	-	752,950
City Center/New Ramp (refinance 2005/6)	2000	12,500,000	LTD. TAX	Parking	730,350	732,005	731,665	729,330	-	-	2,923,350
Stonehouse Village III/Lot 11 Series A	2007	2,160,000	LTD. TAX	Parking	125,318	123,719	121,919	125,119	133,094	135,619	764,788
Stonehouse Village III Series B	2007	1,550,000	LTD. TAX	Parking	107,240	105,815	104,390	102,965	106,540	109,830	636,780
2008 Refinancing Bonds (refund 1996 bonds)	2008	2,125,000	LTD. TAX	Parking	280,500	-	-	-	-	-	280,500
2011 Bonds Series A Parking Improvements	2011	2,000,000	LTD. TAX	Parking	156,334	156,291	156,148	155,462	157,519	156,491	938,245
2015 Refinancing Bonds (City Center Ramp)	2015	3,795,000	LTD. TAX	Parking	169,200	168,800	168,400	168,000	827,600	830,400	2,332,400
SUBTOTAL PARKING DEBT					2,402,251	1,373,489	1,282,522	1,280,876	1,224,753	1,232,340	8,796,231
Public Service Garage (refinanced 2012)	2003	6,860,000	LTD. TAX	Garage	390,350	388,225	385,975	392,125	387,825	388,375	2,332,875
Public Service Garage (refinanced 2014)	2004	2,500,000	LTD. TAX	Garage	184,648	180,988	182,328	178,546	174,764	170,982	1,072,256
ERP System	2012	550,000	GOLTD	Computer	111,848	-	-	-	-	-	111,848
2011 Bonds Series A Water Improvements	2011	1,500,000	LTD. TAX	Water	117,264	117,232	117,125	116,610	118,153	117,382	703,766
Coleman Road Deferred SA	2007	600,000	LTD. TAX	Water/Sewer	44,925	44,070	53,215	61,790	69,795	72,230	346,025
Albert Street Sewer Improvements	2012	1,370,000	LTD. TAX	Sewer	91,975	90,475	88,975	92,175	90,225	88,275	542,100
2013 Relief Sanitary Sewer Installation	2013	2,935,000	LTD. TAX	Sewer	169,889	167,489	170,039	167,539	169,989	167,389	1,012,334
2015 SRF Loan - Drawdown Loan*	2015	15,000,000	REV	Sewer	734,296	728,034	728,034	732,659	731,784	730,534	4,385,341
CSO PHASE II	1994	5,955,000	REV	Sewer	363,600	-	-	-	-	-	363,600
Wilmarth Drain - CSO	2000	660,000	LTD. TAX	Sewer	56,053	53,555	56,013	58,163	-	-	223,784
CSO Phase III	1995	12,155,000	REV	Sewer	783,719	-	-	-	-	-	783,719
CSO Phase III	2004	9,605,000	REV	Sewer	556,068	551,346	551,465	551,371	551,065	555,493	3,316,808
SUBTOTAL CSO					1,759,440	604,901	607,478	609,534	551,065	555,493	4,687,911
TOTAL DEBT SERVICE/ALL FUNDS					\$ 8,076,181	\$ 5,375,230	\$ 5,299,549	\$ 4,452,678	\$ 4,338,809	\$ 4,351,639	\$ 31,894,086

Total Bonded Indebtedness as of June 30, 2015 was \$46.3 million (principal outstanding)

*2015 SRF Loan - Draws still being taken on this loan and the annual amounts will change until the project is complete and all draws are complete