

City of East Lansing
Capital Improvements Program

2016-2021

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City of East Lansing

Capital Improvements Program

2016-2021

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Primary Policies

The City shall continue to maintain its streets at a level adequate to protect its capital investment and make the repairs on the worst streets a top priority.

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 2016-2021.

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.

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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 and Recreation 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. See Section IV for additional detail about Department priorities.

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

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. Major and Local Street Funds

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; but 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. Community Development Block Grant (CDBG) Program

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 2015-2016 Block Grant allocation to the City is \$410, 832. 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 2016-2017 is also \$410,832.

D. Water/Sewer Funds

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

E. Parking Enterprise Funds

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

F. State and Federal Grants

In some cases the City is able to obtain State or Federal funding to cover part of the cost of particular projects, such as road projects, park improvements, etc. In those cases, the CIP is structured to reflect the anticipated funding sources and the City's share of the total cost.

G. Private Sources

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.

H. Bonding

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.

I. Special Assessment

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.

J. Tax Increment Financing

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 (LDFFA). 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 (LDFFA). The legal basis and regulations of TIF are provided for through Michigan law.

K. Solid Waste Fund

The Solid Waste Management Fund accounts for landfill tipping fees, refuse and yard waste collection and recycling services. Property taxes currently allocated at 1.7680 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.

L Park Fund

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

M. Library Fund

To assist the Library in funding operations and to help reduce the impact of the large operating transfer on the General Fund, the City Council approved the levy of a dedicated millage of 1.0000 mill, as authorized under Public Act 164, in FY2013 for the first time. In the November 2012 election, the voters of East Lansing approved an additional 1.0000 mill levy.

J. Natural Resource Trust Fund

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. Michigan Department of Transportation

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 transportations 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.

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 and pipe length. 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 will be extended for a fourth year in 2014 with LED lighting upgrades in Grove, Division, and City Center

garages and elevator replacements in Grove and Division garages. 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. The addition of new sidewalks, benches, bike loops, street trees, landscaping, and a stage with a canopy on Ann Street Plaza have been implemented along with the installation of wayfinding signs 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 water lines range from one year 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 per year 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 Wastewater Treatment Plant 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 replacement, which is done through contractual services.

The City's Wastewater Treatment Plant 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 Department of Parks, Recreation and Arts staff and the Parks and Recreation Advisory Commission initiated a thorough review of the plan in 2006. This review was completed and the proposed plan was adopted in March 2007. The latest amendment to the plan was completed in 2015. With this amendment, the Park, Recreation, Open Space and Greenways Plan 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.

2016-2021

Capital Improvements Program

APPENDIX

Capital Improvement Item	2015 Proposed	2015 Actual	Fund Source	2016 Proposed	2017 Proposed	2018 Proposed	2019 Proposed	2020 Proposed	2021 Proposed	Funding Undetermined	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	MDOT	TIF	Donation
Municipal/Public Facilities																								
City Hall																								
1	Replace Freight Elevator with a Lift	30,000	30,000	GF																				
2	Install Auto Door Opener on Court Rooms-ADA	8,000	8,000	GF																				
Security Upgrade to City Hall Including																								
3	Jail/City Hall Video Recording System	60,000	65,000	GF																				
4	Replace Handrails, Repair Stairs at S Abbot Entry	12,000	12,000	GF																				
5	Replace Exterior Entry Doors at Det. Bureau Entrance	13,000	13,000	GF																				
6	Add Interior Way-Finding Signs		15,000	GF																				
7	Entryway Improvements	0	133,000	GF																				
8	Proximity Card System	0	30,000	GF																				
9	Install Security Doors in Basement Hallway	0	5,000	GF																				
10	Install Door & Walls to Separate Court & City Hall	0	17,000	GF																				
11	Site Improvements	0	105,000	GF																				
12	Rebuild Main Air Handler and Return Air					15,000				15,000														
13	Remove Wallpaper and Paint Courtrooms, Court Lobby, Secured Corridor, Jury Room and Offices				40,000					40,000														
14	Replace Carpet in Court Secured Corridor				10,000					10,000														
15	Replace Electrical Panel and Transformer in Penthouse					8,000				8,000														
16	Replace Carpet and Paint - Community Events, Communications, and Pre-Sentencing Offices and Paint Second Floor Hallways					40,000				40,000														
17	Install two Disconnects in City Hall					4,000				4,000														
18	Four Variable Frequency Drivers in City Hall					4,000				4,000														
19	Replace existing door hardware with ADA levers					18,700				18,700														
20	Replace Carpet and Paint Conference Room A					10,000				10,000														
21	Replace Carpet and Paint Police Administration Office					50,000				50,000														
22	Replace Central Interior Stairwell Handrails					18,000				18,000														
23	Install Stand Alone Air Unit in Court IT Room					23,000				23,000														
24	Replace Horns and Strobes					15,000				15,000														
25	Replace Jail Cell Locks					25,000				25,000														
26	Re-Paint and Re-Carpet 1st Floor Offices and Common Area					100,000				100,000														
27	Renovate Police Women's Locker Room						110,000			110,000														
28	Parking Lot Fence and Gate						8,000			8,000														
29	Landscaping Around Building						20,000			20,000														
30	New Camera Recording System																							
31	Replace City Hall AHU							40,000		40,000														
32	Upgrade Energy Management System							58,000		58,000														
33	Install security glass coating on S exterior windows				31,400					31,400														
34	New Pew Cushions or Chairs for Courtrooms								37,000	37,000														
35	Exterior LED Security Lighting								7,500	7,500														
36	Upgrade Interior of Elevator Car (Cosmetic)								1,850	1,850														
37	Replace Trash Compactor								4,000	4,000														
	SUBTOTAL	123,000	433,000		50,000	181,100	181,000	138,000	98,000	80,350	728,450													
Downtown																								
Sidewalks																								
38	500 Block of Albert Ave.				11,760																			11,760
39	600 Block of Albert Ave.					3,360																		3,360
40	600 Block of E. Grand River Ave.					12,800																		12,800
41	100 Block of Abbot						72,000																	72,000
42	100/200 Block of Albert Ave.						20,220																	20,220
43	100/200 Block of E. Grand River Ave.							118,000																118,000
Bike Loops																								
44	300 Block of E. Grand River Ave.	3,600	0	NA																				
45	400 Block of E. Grand River Ave.				3,600																			3,600
46	500 Block of E. Grand River Ave.					3,600																		3,600
47	600 Block of E. Grand River Ave.						3,600																	3,600
48	100/200 Block of E. Grand River Ave.							1,800																1,800
Landscaping																								
49	300 Block of E. Grand River Ave.	16,580	0	NA																				
50	400 Block of E. Grand River Ave.				5,500																			5,500

Capital Improvement Item	2015 Proposed	2015 Actual	Fund Source	2016 Proposed	2017 Proposed	2018 Proposed	2019 Proposed	2020 Proposed	2021 Proposed	Funding Undetermined	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	MDOT	TIF	Donation		
51 500 Block of E. Grand River Ave.					7,150																		7,150			
52 600 Block of E. Grand River Ave.						3,850																	3,850			
53 100/200 Block of E. Grand River Ave.							9,350																9,350			
Refuse & Recycling Systems																										
54 300 Block of E. Grand River Ave.	2,700	0	NA																							
55 400 Block of E. Grand River Ave.				2,700																				2,700		
56 500 Block of E. Grand River Ave.					4,200																			4,200		
57 600 Block of E. Grand River Ave.						4,200																		4,200		
58 100/200 Block of E. Grand River Ave.							4,200																	4,200		
Newspaper Rack Enclosures																										
59 400 Block of E. Grand River Ave.				1,250																				1,250		
60 500 Block of E. Grand River Ave.					1,250																			1,250		
61 600 Block of E. Grand River Ave.						1,250																		1,250		
62 100/200 Block of E. Grand River Ave.							1,250																	1,250		
Street Furniture																										
63 300 Block of E. Grand River Ave.	100	0	NA																							
64 400 Block of E. Grand River Ave.				200																				200		
65 500 Block of E. Grand River Ave.					1,300																			1,300		
66 600 Block of E. Grand River Ave.						1,300																		1,300		
67 100/200 Block of E. Grand River Ave.							1,300																	1,300		
Amenities/Planters																										
68 300 Block of E. Grand River Ave.	1,200	0	NA																							
69 400 Block of E. Grand River Ave.				2,400																				2,400		
70 500 Block of E. Grand River Ave.					2,400																			2,400		
71 600 Block of E. Grand River Ave.						2,400																		2,400		
72 100/200 Block of E. Grand River Ave.							2,400																	2,400		
Tobacco/Ash Urns																										
73 300 Block of E. Grand River Ave.	450	0	NA																							
74 400 Block of E. Grand River Ave.				450																				450		
75 500 Block of E. Grand River Ave.					450																			450		
76 600 Block of E. Grand River Ave.						450																		450		
77 100/200 Block of E. Grand River Ave.							450																	450		
Signage																										
78 Wayfinding Signs				18,200	3,000	3,000	3,000	3,000																30,200		
SUBTOTAL	24,630	0		46,060	39,510	112,270	141,750	3,000																342,590		
Library																										
79 Fire Alarm System	54,000	40,000	GF																							
80 Reconfigure Computer Area: Moved computers so that they are all housed together in the same area. Includes adding electric and data ports as well as purchasing furniture.	15,000	15,000	LF																							
81 Chimney Repair and Liner	10,000	10,000	LF																							
82 Space Planning: Hire interior designer to develop a plan to fully utilize available space throughout the library.	12,000																									
83 Reconfigure Reference Area	6,000																									
84 Rehaul and Upgrade Security Cameras and Security Recording System: Purchase new HD security cameras, glass break detectors, motion detectors.	0	19,000	LF																							
85 Display Units	3,000	936	Donation																							
86 Replace Floor Tile in Men's and Women's Restroom				7,500													7,500									
87 Fire Sprinkler System throughout: Includes dry fire suppression system.				100,000						100,000																
88 Reconfigure Staff Area				25,000													25,000									
89 Roof Section C	90,000	0	NA	90,000						90,000																
90 Replace Two AHU's					30,000					30,000																
91 Men's and Women's Main Entry Restroom Partition Replacement					2,400					2,400																
92 Meeting Room Upgrade: Purchase new equipment for meeting room kitchen, paint, new seating and tables					20,000												20,000									
93 Expand Teen Area: Add data, electric and technology							175,000										175,000									

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94	Complete Reconfiguration and Renovation of Public and Staff Space (including furniture, electric, data)						1,000,000											500,000							500,000	
95	Replace Interior Doors as needed							5,000			5,000															
96	Roof Section B						60,000				60,000															
97	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	
Technology Projects																										
98	ELPL 1.0 Maker Studio (inside library)	10,000	14,545	Donation																						
99	Mobile Technology Lab	15,000	0	NA	10,000													10,000								
100	Module Development for elpl.org	3,000	0	NA	3,000	3,000	3,000	3,000										12,000								
101	Replace and Upgrade Staff Mobile Tech Devices	2,500	0	NA			2,500											2,500								
102	Meeting Room Upgrade: Upgrade technology to include new projector, new screen, new sound system, additional microphones	15,000	0	NA																						
103	Sierra Application Server Replacement						20,000											20,000								
104	Sierra Database Server Replacement						20,000											20,000								
105	Encore Server Replacement						20,000											20,000								
SUBTOTAL		235,500	99481		235,500	55,400	1,300,500	8,000		1,500,000	287,400							812,000								2,000,000
Fire Station																										
106	Replace Main AHU	52,000	0	NA		52,000					52,000															
107	Exterior Lighting Replacement					10,000					10,000															
108	Remote Door Lock					10,000					10,000															
109	Multi-Zone AHU w/Hot Water Coil					23,000					23,000															
110	Replace Truck Bay Heater					8,000					8,000															
111	Automated Overhead Door Closer					10,000					10,000															
112	Repaint Ceilings as Needed						10,000				10,000															
113	Window Coverings						1,000				1,000															
114	Repaint Walls as Needed						7,000	5,000			12,000															
115	Recarpet or Refinish Floors as Needed							12,500			12,500															
116	Replace Kitchen Cabinets							11,000			11,000															
117	Replace Interior Doors as Needed								10,500		10,500															
118	Energy Management System							48,000	22,000		70,000															
119	Fence in Back Parking Area									30,000	30,000															
Rescue Vehicles																										
120	Harness	51,800	0	NA	51,800	51,800					103,600															
121	Bottles	17,500	0	NA	17,500	17,500					35,000															
122	AED				2,900	2,900					5,800															
123	Stretcher				4,500	4,500					9,000															
124	Turnout				132,000	132,000					264,000															
125	Lifepak					37,500					37,500															
126	Life-Stat					30,100					30,100															
SUBTOTAL		121,300	0		208,700	389,300	18,000	76,500	32,500	30,000	755,000															
Department of Public Works																										
127	Replace Carbon Dioxide Sensor in Truck Bay				8,500						8,500															
127	Replace NO2 Sensors in Truck Bay				15,000						15,000															
SUBTOTAL					23,500						23,500															
Hannah Community Center																										
129	Whole Building Generator					200,000					200,000															
130	Basement Pool Ceiling Concrete Repair				7,000						7,000															
131	Replace Pipe Hangers & Supports in Pool Basement				5,000						5,000															
132	Replace Pool Exhaust				10,000						10,000															
133	Replace Pool Chemtrol				3,000						3,000															
134	Replace Pool Water Recirculation Pump					15,000					15,000															
135	Fitness Equipment Replacement				20,000	20,000	20,000	20,000	20,000	20,000	120,000															
136	Tuck pointing				10,000	12,000	11,120				33,120															

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137	1st & 2nd Floor Technology-(projectors, screens, etc.)					85,000	85,000	85,000	85,000	85,000	425,000																
138	Roof Replacement - A				160,000						160,000																
139	3rd Floor Access Improvements Including Covered Fire Escape					150,000	500,000	500,000			1,150,000																
140	Roof Replacement - N						60,000				60,000																
141	Theater Sound & Lighting Upgrades					50,000					50,000																
142	Renovate Restrooms						50,000				50,000																
143	Roof Replacement - O							75,000			75,000																
144	Swimming Pool Renovations								750,000		750,000																
145	Roof Replacement - P								100,000		100,000																
146	Add Canopy over Front Entry Doors									35,000	35,000																
147	Replace Front Entrance Doors									23,600	23,600																
148	Upgrade Energy Management System					100,000					100,000																
149	Roof Replacement - M									15,000	15,000																
SUBTOTAL					215,000	632,000	726,120	680,000	955,000	178,600	3,386,720																
Valley Court Community Center																											
150	Repair Retaining Wall Behind Building				25,000						25,000																
151	Complete renovation									650,000	650,000																
SUBTOTAL					25,000					650,000	675,000																
Board of Water and Light Building																											
152	Slate Roof, Eves, Soffit				50,000						50,000																
153	Interior Improvements							150,000			150,000																
SUBTOTAL					50,000			150,000			200,000																
Pump House																											
154	Roof and Gutter Replacement	20,000	20,000	GF																							
155	Remove Overgrown Landscaping					5,000					5,000																
156	Interior Maintenance						15,000				15,000																
157	Repair/Replace Benches & Picnic Tables							10,000			10,000																
SUBTOTAL		20,000	20,000			5,000	15,000	10,000			30,000																
Bailey Community Center																											
158	Additional Wireless Hot-Spot	2,500	0	NA																							
159	Window Frame Anchoring	11,700	30,000	PF																							
160	Emergency Lighting - First Floor	0	20,000	PF																							
161	Electrical and Plumbing Code Requirements	0	10,000	PF																							
162	Complete Renovation									3,000,000	3,000,000																
SUBTOTAL		14,200	60,000							3,000,000	3,000,000																
Aquatic Center																											
163	Equipment Reserve for Typical Replacement Needs	25,000	0	NA	25,000	25,000	25,000	25,000	25,000	25,000					150,000												
164	Replenish Equipment Reserve				175,000						175,000																
165	Standard Ware Repairs on Pump System - Annular Space Gaskets				4,500										4,500												
166	Replace Primary Loop System (Pool Filter)				25,000						25,000																
167	Replace Shower Stall Basins				6,000										6,000												
168	Children's Shower Tower Drain				5,000										5,000												
169	Renovate restrooms/bathhouse facility						150,000				150,000																
170	Replace Dumpster Screen					5,000									5,000												
171	Replace Entry Sign					5,000									5,000												
172	Fence Replacement Program (5 yr)					10,000	10,000	10,000	10,000	10,000	50,000																
173	Landscaping (complete replacement)					10,000	10,000	10,000	10,000	10,000					50,000												
174	Replace Funbrellas					15,000	15,000	20,000			50,000																
175	Replace Pool Liner							75,000			75,000																
176	Replace Gate						8,000								8,000												
177	Replace Chemotrol - Controls Pool Chemicals and Pulsar 4 (pool vacuum system)				8,500										8,500												
178	Roof Repair									30,000	30,000																

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179	Replace Play Features as They Age									50,000	50,000																
180	Replace Fiberglass Portions of Slides									100,000	100,000																
SUBTOTAL		25,000	0		249,000	70,000	218,000	140,000	45,000	225,000	705,000				242,000												
Softball Complex																											
181	Playground									50,000	50,000																
182	Paved Walking Loop									50,000	50,000																
183	Restroom partition replacement						10,000				10,000																
184	Fence repair/replacement program					15,000	15,000	15,000	15,000	15,000	75,000																
185	Shade structures for dugouts					10,000	10,000	10,000	10,000		40,000																
186	Scoreboard replacement program					15,000	10,000	15,000	15,000		55,000																
SUBTOTAL						40,000	45,000	40,000	40,000	115,000	280,000																
Soccer Complex																											
187	Concession Service Window				2,000										2,000												
188	Dumpster Enclosure				5,000						5,000																
189	Drainage - Add Drain Tiles					15,000	15,000	15,000	15,000		60,000																
190	Replace Kiosk(s)					5,000					5,000																
191	Replace Scoreboards					15,000		15,000			30,000																
192	Replace Trash Receptacles						5,000		5,000		10,000																
193	Restroom Partition Replacement					10,000					10,000																
194	Fence Replacement Program						15,000	10,000	10,000		35,000																
195	Pave Walking Loop									50,000	50,000																
SUBTOTAL					7,000	45,000	35,000	40,000	30,000	50,000	205,000				2,000												
Park Improvements																											
Neighborhood Park General Improvements																											
196	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																											
197	Repave Bailey Lot					190,000					190,000																
198	Resurface Hannah Lots					30,000					30,000																
199	Pave Entry Drive and Parking at Abbot Road Park or Pave Handicap Spaces and Route to Trail					200,000					200,000																
200	Repave Emerson Park Lot						8,000				8,000																
201	Resurface Soccer Complex Lots and Entry Drive						30,000				30,000																
202	Expand Soccer Complex Lots and Entry Drive						100,000				100,000																
203	Seal/Resurface Softball Complex/Aquatic Center Lot							30,000			30,000																
204	Resurface Harrison Meadows Lot							15,000			15,000																
205	Pave/Construct Patriarche Park Lots and Drives								300,000	450,000	750,000																
206	Seal Fine Park Lot									4,000	4,000																
207	Seal White Park Lots									8,000	8,000																
208	Seal Valley Court Lot									5,000	5,000																
Playgrounds																											
209	Replace and install poured in place surfacing for tots lots in three parks					35,000		35,000		35,000	105,000																
210	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																											
211	Remove Tennis Courts in Henry Fine Park					15,000					15,000																
212	Remove Tennis Courts in Glencairn Park						15,000				15,000																
213	Remove Tennis Courts in Marble Park						30,000				30,000																
214	Remove Tennis Courts in Red Cedar Park							45,000			45,000																
215	Remove Tennis Courts in Valley Court Park								30,000		30,000																

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216 Reconstruct Tennis Courts in Patriarche Park							200,000		200,000	400,000														
Basketball Courts																								
217 Resurface Tamarisk Park Basketball Court					15,000					15,000														
218 Resurface Patriarche Park Basketball Court						15,000				15,000														
219 Resurface Harrison Meadows Basketball Court							15,000			15,000														
Natural Areas Management																								
220 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														
221 Management Plan Implementation					50,000	50,000	50,000	50,000	50,000	250,000														
Abbot Road Park																								
222 Replace Bollards, Wood Signs, Trash Can, Kiosk					10,000					10,000														
223 Nature Trail Improvements						15,000	15,000			30,000														
Albert A. White Park																								
224 Repair Asphalt Trail at Viewing Platform & Bridge				2,000						2,000														
225 Replace Bridge					20,000					20,000														
226 Pond Assessment and Management Plan						15,000				15,000														
227 Nature Trail Improvements					20,000	15,000	15,000			50,000														
228 Trail Connection: Pebblebrook to Lake Lansing Road									350,000	350,000														
229 Develop Welcome Plaza at Lake Lansing Road									350,000	350,000														
Bailey Park																								
230 Replace Dumpster Screen					5,000					5,000														
231 Replace Chain link Fence						40,000				40,000														
Burcham Park																								
232 Park Improvement Plan									10,000	10,000														
233 Community Solar Project																								
Medal of Honor Memorial/Veterans Park																								
234 Construction of Veterans Park at Hannah				15,000						15,000														
Dog Park																								
235 Fob Entry System	15,000	0	NA		15,000					15,000														
236 Construct ADA Pathway from Northern Tier Trail	8,000	0	NA		8,000					8,000														
237 Install Park Lighting									20,000	20,000														
Ehinger Park																								
Emerson Park Access from Neighborhood																								
238 Acquire Easement for Pedestrian Access into Park									30,000	30,000														
Glencairn Park																								
Hidden River Park																								
Hannah Site/Britton Park																								
239 Fence Repair					15,000	10,000				25,000														
Harrison Meadows Park																								
Harrison Road Park																								
240 Finish Walkway									10,000	10,000														
251 Park Identification Signage									5,000	5,000														
Henry Fine Park																								
242 Construct Pickleball Court					25,000					25,000														
243 Replace Walking Bridges						25,000				25,000														
244 Wildlife Viewing Platform at Pond and Paved Access Trail							30,000		120,000	150,000														
Northern Tier Trail																								
245 Fence and Decking Repair/Replacement					20,000	25,000				45,000														
246 Replace Kiosks					4,000		4,000	4,000	4,000	16,000														
Replace Signage					4,000					4,000														
247 Resurface/Rebuild Lake Lansing Road to Soccer Complex					250,000					250,000														
248 Trail Signage and Mile Marker Installation						15,000	15,000	10,000	10,000	50,000														
249 Resurface/Rebuild trail from Lake Lansing Road to Harrison Meadows						400,000				400,000														
250 Resurface/Rebuild trail from Soccer Complex to State Road									400,000	400,000														
251 Resurface/Rebuild trail from Harrison Meadows Park to Towar							300,000			300,000														
252 Expand Trail South to the Red Cedar River									750,000	750,000														

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253	Extend trail west from Soccer Complex to Coolidge								3,000		3,000																
254	Install Trail from Bogue Street to Hagadorn Road Along North Side of Red Cedar River						350,000				350,000																
	John M. Patriarche Park																										
255	Youth Baseball Field Improvements				10,000		90,000				100,000																
256	Softball Field Improvements					30,000					30,000																
257	Re-roof and Repair Main Pavilion					40,000					40,000																
258	Renovate Restroom Buildings					40,000					40,000																
259	Improve Volleyball Courts						5,000				5,000																
260	Remove Obsolete Playground Equipment						15,000				15,000																
	Stoddard Park																										
	Tamarisk Park																										
	Valley Court Park																										
	Robert Shaw Park																										
SUBTOTAL		23,000	0		27,000	1,238,000	1,483,000	984,000	612,000	3,026,000	7,370,000																
Infrastructure Improvement Projects																											
Major Street Improvements																											
261	Hagadorn-Burcham to Haslett	0	439092	GF, SF, SEF, & MDOT																							
262	Bogue - Grand River to Shaw Lane: The project includes pulverizing and repaving the entire width of the roadway. The project also includes spot curb and gutter replacement, reconstructing driveway approaches as needed, spot sewer repairs, providing ADA compliant sidewalk ramps at all intersections, and replacing hazardous sidewalk squares.	420,000	0	GF, SF, SEF, & MDOT																							
263	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.	345,000	0	NA	640,800							70,500	87,600			87,900							394,800				
264	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.				492,800	392,800							156,900		20,000	80,000							628,700				
265	Albert - Abbot to Grove					638,400							69,300		105,900	158,200							305,000				
266	Burcham - Timberlane to Park Lake: The project includes pulverizing the entire roadway and reconstructing the pavement. The project also includes spot curb and gutter replacement, reconstructing driveway approaches as needed, spot sewer repairs, providing ADA compliant sidewalk ramps at all intersections, replacing hazardous sidewalk squares, providing additional drainage to serve the south side of the roadway, and providing designated bicycle lanes. Note: curb and gutter and sidewalks mainly on north side only.						444,000						82,200			31,300							330,500				
267	MAC - Grand River to Albert						387,800						57,100		29,300	72,800							228,600				
268	Charles - Grand River to Albert						335,000						50,100		19,000	65,500							200,400				
269	Division-Grand River to Albert							509,800					78,100		32,100	87,400							312,200				
270	Forest - Harrison to College							524,900					105,600										419,300				
271	Street Patching and Minor Repairs	17,000		SF	17,000	17,000	17,000	17,000	17,000	17,000			102,000														

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272	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		782,000	439,092		1,150,600	1,048,200	1,183,800	1,051,700	1,017,000	17,000		70,500	988,900			294,200	495,200						3,619,500		
Local Street Improvements																									
273	Old Hickory	0	480,115	SF, SEF, GF																					
274	Woodside/Ridgewood/Merritt	0	314,892	SF																					
275	Misc. Culvert Repair				20,000	25,000							45,000												
276	Tree Planting Program (125/yr)	13,750	13,750	GF	13,750	13,750	13,750	13,750	13,750	13,750		82,500													
SUBTOTAL		13,750	808,757		33,750	38,750	13,750	13,750	13,750	13,750		82,500	45,000												
Sidewalks																									
277	Hazardous Sidewalk Program is included in each Local Street, Major Street and Neighborhood project under General Fund Cost																								
278	CDBG 13/14-MAC Avenue	0	14,854	MDOT																					
279	CDBG 14/15-Grove Street	45,000	45,000	MDOT	15,665																		15,665		
280	CDBG 15-16- Bailey Neighborhood				51,000	34,000																	85,000		
281	Unidentified					51,000	85,000	85,000	85,000	85,000			391,000												
SUBTOTAL		45,000	59,854		66,665	85,000	85,000	85,000	85,000	85,000			391,000										100,665		
Chesterfield Neighborhood Project																									
282	Streets	156,381	0	NA	287,672	838,078	1,180,320	1,435,663	869,949				4,611,682												
283	Water	92,187	0	NA	231,265	650,463	850,689	735,875	213,985							2,682,277									
284	Sewer	171,091	0	NA	348,904	923,318	1,006,479	1,480,109	1,305,458								5,064,268								
285	Sidewalk	30,341	0	NA	61,041	178,925	235,796	260,759	155,450			891,971													
SUBTOTAL		450,000	0		928,882	2,590,784	3,273,284	3,912,406	2,544,842			891,971	4,611,682			2,682,277	5,064,268								
Utilities																									
Water																									
286	Potential Projects Identified						100,000	100,000	100,000							300,000									
287	Alton Water Tower				120,000											120,000									
288	Abbey Water Tower				130,000											130,000									
289	Shaw Water Tower					200,000										200,000									
290	Hagadorn Water Tank					275,000										275,000									
291	Hagadorn Water Tank-Pump				65,000											65,000									
292	Radio Meter Read Conversion				50,000	100,000	100,000	100,000	100,000							450,000									
293	Meter Reading Equipment	16,000	16,000	WF																					
Sewer																									
294	Red Cedar Interceptor				140,000	1,200,000	2,100,000									3,440,000									
295	Brody and Michigan Interceptor					60,000	701,000									761,000									
296	Gainsborough Culvert Lining				30,000											30,000									
297	Unidentified						1,000,000	1,000,000	1,000,000							3,000,000									
SUBTOTAL		16,000	16,000		535,000	1,835,000	4,001,000	1,200,000	1,200,000							8,771,000									
Waste Water Treatment Plant																									
298	Ultra-Violet and Tertiary	4,000,000	4,000,000	STRF*	10,000,000	2,000,000																12,000,000			
299	Interceptor & Head works (Pumping & Grit) & Misc. Facilities Improvements				5,000,000	300,000	16,000,000	14,000,000														35,300,000			
300	Solids Handling & Misc Facilities Improvements							7,000,000	4,000,000													11,000,000			
SUBTOTAL		4,000,000	4,000,000		15,000,000	2,300,000	16,000,000	21,000,000	4,000,000														58,300,000		
Solid Waste and Recycling																									
301	7,000 Recycling Cart	0	200,000	NTR	230,000																				
SUBTOTAL		0	200,000		230,000																				
IT Projects																									
302	Document Imaging/Management	30,000	0	NA	8,000	8,000	8,000	8,000	8,000	8,000		48,000													
SUBTOTAL		30,000	0																						

Capital Improvement Item		2015 Proposed	2015 Actual	Fund Source	2016 Proposed	2017 Proposed	2018 Proposed	2019 Proposed	2020 Proposed	2021 Proposed	Funding Undetermined	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	MDOT	TIF	Donation
Neighborhood Redevelopment/Improvement																									
303	Virginia Avenue Final Paving Course	20,000		CDBG																					
SUBTOTAL		20,000	0																						
Economic Development																									
304	Park District Infrastructure				5,100,000																				5,100,000
305	Coleman Road Extension					5,500,000					5,500,000														
SUBTOTAL		0	0		5,100,000	5,500,000					5,500,000														5,100,000
Parking																									
306	Lighting Upgrades (Grove)	300,000	106,370	PF																					
307	Parking Garage Annual Maintenance	100,000	100,000	PF	100,000	100,000	100,000	100,000	100,000	100,000				600,000											
308	Elevator Replacement (Grove. Division)	297,000	517,900	PF																					
309	Grove Street Garage Curtain Wall Replacement	40,000	0	NA		40,000							40,000												
310	Construct police motorcycle garage in Grove Street Ramp				50,000						50,000														
311	MAC Avenue Garage (University Place) Reconstruction					2,500,000																		2,500,000	
312	Point of Sale Technology improvements																								
313	Lighting Upgrades (Division, Charles)					175,000	185,000						360,000												
SUBTOTAL		737,000	724,270		150,000	2,815,000	285,000	100,000	100,000	100,000	50,000			1,000,000											2,500,000
TOTAL		6,700,380	6,660,454		24,041,657	18,276,044	28,249,604	28,941,106	9,821,092	8,242,100	18,934,350	1,044,971	6,036,582	1,000,000	244,000	11,747,477	5,559,468	812,000	0	230,000	0	58,300,000	3,720,165	7,942,590	2,000,000

*Items 296-298 are funded through the State Revolving Fund

Table 2
Schedule of Bonded Indebtedness
FY2016-FY2021
 Rev. 03/05/2015

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>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	<u>Six-Year Total</u>
Parks Improvments (refinanced in 2005/6)	1996	3,300,000	GOB	Gen/Debt	239,520	-	-	-	-	-	239,520
Library Improvement (refinanced in 2005/6)	1996	2,000,000	GOB	Gen/Debt	180,690	-	-	-	-	-	180,690
Aquatics Center (refinanced in 2009)	1998	3,500,000	GOB	Gen/Debt	261,749	261,646	262,589	262,548	-	-	1,048,532
Hannah Center - First Phase (refinanced in 2009)	1998	5,500,000	GOB	Gen/Debt	409,401	409,242	410,717	410,652	-	-	1,640,012
Hannah Center - Second Phase	1999	1,500,000	GOB	Gen/Debt	<u>132,983</u>	<u>131,823</u>	<u>130,330</u>	<u>128,500</u>	-	-	<u>523,636</u>
SUBTOTAL Debt Millage					1,224,343	802,711	803,636	801,700	-	-	3,632,390
Capital Improvements	2008	795,000	GOLTD	General	60,294	58,644	61,944	60,031	58,119	56,206	355,238
Avondale Square	2010	2,365,000	GOLTD	Gen/CIP	195,230	191,915	193,600	195,030	191,205	192,380	1,159,360
Special Assessment 71 A&B	2006	3,910,000	Special Assess	Gen/SA	<u>407,900</u>	<u>387,600</u>	-	-	-	-	<u>795,500</u>
SUBTOTAL GENERAL DEBT SERVICE					1,887,767	1,440,870	1,059,180	1,056,761	249,324	248,586	5,942,488
Section 108 Loan	2006	1,500,000	GOLTD	HUD-CDBG	122,516	118,691	114,788	110,783	106,721	102,611	676,110
DDA SmartZone	2008	430,000	GOLTD	DDA	defeased in July 2014		-	-	-	-	-
DDA SmartZone	2009	415,000	GOLTD	DDA	defeased in July 2014		-	-	-	-	-
DDA Refinancing Bonds - City Center	2015	2,850,000	GOLTD	DDA	294,982	307,546	310,121	316,551	327,179	331,719	1,888,098
Methane Extraction System	2009	515,000	GOLTD	Solid Waste	64,575	62,375	60,175	62,700	-	-	249,825
Michigan Transportation Bonds	2009	1,540,000	GOLTD	Streets	138,138	139,813	136,063	137,063	137,600	137,540	826,217
<u>ENTERPRISE FUND DEBT</u>											
Lot 1 & 7 Improvements	1997	975,000	LTD. TAX	Parking	83,641	80,359	86,859	-	-	-	250,859
Lot 12 Uplace Refunder	2009	4,725,000	LTD. TAX	Parking	747,438	752,950	-	-	-	-	1,500,388
City Center/New Ramp (refinance 2005/6)	2000	12,500,000	LTD. TAX	Parking	731,985	730,350	732,005	731,665	729,330	-	3,655,335
Stonehouse Village III/Lot 11 Series A	2007	2,160,000	LTD. TAX	Parking	126,919	125,318	123,719	121,919	125,119	133,094	756,088
Stonehouse Village III Series B	2007	1,550,000	LTD. TAX	Parking	108,665	107,240	105,815	104,390	102,965	106,540	635,615
2008 Refinancing Bonds (refund 1996 bonds)	2008	2,125,000	LTD. TAX	Parking	286,400	280,500	-	-	-	-	566,900
2011 Bonds Series A Parking Improvements	2011	2,000,000	LTD. TAX	Parking	155,876	156,334	156,291	156,148	155,462	157,519	937,630
2015 Refinancing Bonds (City Center New Ramp)	2015	3,795,000	LTD. TAX	Parking	<u>190,086</u>	<u>169,200</u>	<u>168,800</u>	<u>168,400</u>	<u>168,000</u>	<u>827,600</u>	<u>1,692,086</u>
SUBTOTAL PARKING DEBT					2,431,010	2,402,251	1,373,489	1,282,522	1,280,876	1,224,753	9,994,901
Public Service Garage (refinanced 2012)	2003	6,860,000	LTD. TAX	Garage	390,950	390,350	388,225	385,975	392,125	387,825	2,335,450
Public Service Garage	2004	2,500,000	LTD. TAX	Garage	198,500	198,500	197,000	195,250	193,250	191,000	1,173,500
ERP System	2012	550,000	GOLTD	Computer	113,696	111,848	-	-	-	-	225,544
2011 Bonds Series A Water Improvements	2011	1,500,000	LTD. TAX	Water	116,921	117,264	117,232	117,125	116,610	118,153	703,305
Coleman Road Deferred SA	2007	600,000	LTD. TAX	Water/Sewer	45,780	44,925	44,070	53,215	61,790	69,795	319,575
Albert Street Sewer Improvements	2012	1,370,000	LTD. TAX	Sewer	93,175	91,975	90,475	88,975	92,175	90,225	547,000
2013 Relief Sanitary Sewer Installation	2013	2,935,000	LTD. TAX	Sewer	167,239	169,889	167,489	170,039	167,539	169,989	1,012,184
CSO PHASE II	1994	5,955,000	REV	Sewer	360,700	363,600	-	-	-	-	724,300
Wilmarth Drain - CSO	2000	660,000	LTD. TAX	Sewer	53,253	56,053	53,555	56,013	58,163	-	277,037
CSO Phase III	1995	12,155,000	REV	Sewer	785,988	783,719	-	-	-	-	1,569,707
CSO Phase III	2004	9,605,000	REV	Sewer	<u>555,631</u>	<u>556,068</u>	<u>551,346</u>	<u>551,465</u>	<u>551,371</u>	<u>551,065</u>	<u>3,316,946</u>
SUBTOTAL CSO					1,755,572	1,759,440	604,901	607,478	609,534	551,065	5,887,990
Optimization Plan Implementation	2001	2,935,000	LTD. TAX	Sewer	272,610	-	-	-	-	-	272,610
Optimization Plan Implementation	2001	2,190,000	LTD. TAX	Sewer	<u>198,740</u>	-	-	-	-	-	<u>198,740</u>
<u>TOTAL DEBT SERVICE/ALL FUNDS</u>					\$ 8,292,171	\$ 7,355,737	\$ 4,663,208	\$ 4,584,437	\$ 3,734,723	\$ 3,623,261	\$ 32,253,537

Total Bonded Indebtedness as of June 30, 2014 was \$53.6 million (principal outstanding)