

City of East Lansing

Capital Improvements Program

2019-2025

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City of East Lansing

Capital Improvements Program

2019-2025

Mayor Mark Meadows
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Primary Policies

The City shall continue to maintain its buildings, park and recreation facilities, utilities, streets and sidewalks at a level adequate to protect its capital investment and make the repairs on the worst building, utilities, streets and sidewalks a top priority, while implementing asset management principles to extend the service life of the City's capital assets at the lowest cost with balanced investment across the community.

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 2019-2025.

The text explains the statutory basis for the CIP, the process 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 City Council 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 City must annually prepare and adopt of a CIP. The City Council has appointed the City Manager to prepare the CIP to assist them in the development of the budget. Pursuant to Section 125.39 of the Act, the City Manager:

"shall prepare coordinated and comprehensive programs of public structures and improvements. The City Manager 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 City Manager'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 City Manager 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 is provided by the City Manager 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 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 revenue and budget for the projects identified in the CIP 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 City Council will first hold a public hearing on the draft document. After all questions are answered and any recommended changes are made, the Council will approve the CIP.

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 declined 11.2% from 2009 to 2013 before it began to increase in 2014. Currently it has not reached the Taxable Value level of 2009.

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 a 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. 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.

H. 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.

I. 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.

J. 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 2018-2019 Block Grant allocation to the City is \$465,550. 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 2019-2020 is \$488,344.

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 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 2015-2020. 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)

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.

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

The most recent facility assessment was performed in FY2016 and a facility restoration project will commence in FY2018 and continue into FY2019. That work follows the FY2017 project that replaced the Parking Access Revenue Control system (gated lot equipment), the multi-space meters (adding Valley Court and City Hall), and replace the single space meters with new smart meters that will accept credit cards and allow for payment with smart phones. Also in FY2017 and FY2018 the parking deck in the MAC garage was reconstructed because of severe deterioration. The new Center City garage will be constructed in FY2018 and FY2019.

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 Master Plan has been a major policy document used in evaluating the Capital Improvements Program. The Master 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 Master 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 Master 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 Master 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 Master Plan recognizes that the maintenance of such facilities is vital to the goal of preserving the quality of existing neighborhoods in the City.

2019-2025

Capital Improvements Program

APPENDIX

Capital Improvement Item	2019 Proposed	2019 Actual	Fund Source	2020 Proposed	2021 Proposed	2022 Proposed	2023 Proposed	2024 Proposed	2025 Proposed	Not Funded (NF)	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/BRA TIF (TIF)	Donation, Grant or Other (DON)	Bond (B)					
Municipal/Public Facilities																														
City Hall																														
Electrical Systems																														
1				100,500							100,500																			
2					80,500						80,500																			
3					7,000						7,000																			
4						15,000					15,000																			
5							5,000				5,000																			
6						5,000					5,000																			
7									35,000		35,000																			
8									75,000		75,000																			
9									17,000		17,000																			
Plumbing Systems																														
10					12,500						12,500																			
11					17,500						17,500																			
12									8,500		8,500																			
13																														
14									3,500		3,500																			
Mechanical Systems																														
15					121,000						121,000																			
16					126,000						126,000																			
17					10,000						10,000																			
18					165,000						165,000																			
19							273,000				273,000																			
20								187,000			187,000																			
21								256,000			256,000																			
22							37,500				37,500																			
23									7,500		7,500																			
24					23,000						23,000																			
Architectural Systems (Including Site Improvements)																														
25	30,000	15,800	GF																											
26						30,000					30,000																			
27									20,000		20,000																			
28							36,000				36,000																			
29						156,000					156,000																			
30							174,000				174,000																			
31						20,000					20,000																			
32						20,000					20,000																			
33					35,000						35,000																			
34									25,000		25,000																			
35									25,000		25,000																			
36						110,000					110,000																			
37					10,000						10,000																			
38						10,000					10,000																			
39									30,000		30,000																			
40		94,800	GF																											
41					20,000						20,000																			
SUBTOTAL																														
												2,309,000																		

Capital Improvement Item	2019 Proposed	2019 Actual	Fund Source	2020 Proposed	2021 Proposed	2022 Proposed	2023 Proposed	2024 Proposed	2025 Proposed	Not Funded (NF)	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/BRA TIF (TIF)	Donation, Grant or Other (DON)	Bond (B)	
Library																										
42	New Boiler/HVAC system	100,000	-	LF	100,000	100,000	100,000	100,000									400,000									
43	Replace existiong Security cameras and system				70,000												70,000									
44	Repair parking lot-resurface				50,000												50,000									
45	Repair and replacement of sidewalks and handicap ramp					30,000											30,000									
46	Expand meeting room						200,000										200,000									
47	Replacing existing chiller with 410A refreigerant, scroll compressors						100,000										100,000									
Technology Projects																										
48	Meeting room upgrade: Upgrade technology to include new projector, new screen, new sound system, additional microphones	30,000	-	LF				70,000									70,000									
49	New self checkout stations								60,000								60,000									
SUBTOTAL		130,000	-		220,000	130,000	400,000	170,000	60,000								980,000									
Fire Station																										
50	Replace overhead doors				70,000						70,000															
51	Exterior lighting replacement								10,000		10,000															
52	Facility condition assessment					10,000					10,000															
53	Architectural services for interior renovation including kitchen and administration area					25,000					25,000															
54	Multi-zone AHU w/hot water coil							52,000			52,000															
55	Replace truck bay heater						8,000				8,000															
56	Automated Overhead Door Closer	12,500		GF																						
57	Remote door lock								10,000		10,000															
58	Energy management system						65,000				65,000															
59	Interior renovation including kitchen and administration area					150,000					150,000															
SUBTOTAL		12,500	-		70,000	185,000	73,000	52,000	10,000	10,000	400,000															
Department of Public Works																										
60	Replace munchkin boiler	85,000		DON																						
61	Replace south overhead door	10,000		DON																						
SUBTOTAL		95,000	-																							
Hannah Community Center																										
62	Basement pool ceiling concrete repair	20,000	50,000	GF																						
63	Gymnasium emergency exit concrete stairway replacement	15,000	15,000	GF																						
64	Theater sound & lighting upgrades	50,000	52,500	GF/DON																						
65	Tuckpointing				20,000						20,000															
66	Replace swim pool doors				10,000						10,000															
67	Roof area I roof repairs		11,500																							
68	Swim pool south elevation façade evaluation				10,000						10,000															
69	Theater sound and lighting upgrades Ph II				50,000						25,000														25,000	
70	Roof area I replacement						65,000				65,000															
71	Modernize service elevator								75,000		75,000															
72	Upgrade swim pool ductwork							35,000			35,000															
73	Hannah interior improvements					100,000	100,000	100,000	100,000		400,000															
74	Parking lot repair and resurfacing							200,000	100,000		300,000															
75	Replace rear service entry pavement					100,000					100,000															
76	Replace energy management system						100,000				100,000															
77	Renovate restrooms								100,000		100,000															
78	Swimming pool renovations								200,000		200,000															

Capital Improvement Item		2019 Proposed	2019 Actual	Fund Source	2020 Proposed	2021 Proposed	2022 Proposed	2023 Proposed	2024 Proposed	2025 Proposed	Not Funded (NF)	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/BRA TIF (TIF)	Donation, Grant or Other (DON)	Bond (B)	
79	3rd floor - construct 2nd agress point & renovate									1,150,000	1,150,000																
80	Canopy over front entrance doors								45,000			45,000															
81	Replace front entrance doors							30,000				30,000															
82	Whole building generator									200,000		200,000															
83	Replace pool water recirculation pump							20,000				20,000															
84	Construct parking lot on s. side of building									100,000		100,000															
85	Replace emergency generator									40,000		40,000															
SUBTOTAL		85,000	129,000		90,000	200,000	100,000	215,000	380,000	2,065,000	1,150,000	1,875,000														25,000	
Valley Court Community Center																											
86	Replace fascia, soffit, gutters, and downspouts									10,000	10,000																
87	Replace wood guardrail with steel assembly									10,000	10,000																
88	Rebuild retaining wall and add drainage									15,000	15,000																
89	Masonry repairs									4,500	4,500																
90	Replace/repair doors and windows									12,000	12,000																
91	Upgrade interior finishes (flooring, ceilings, etc.)									140,000	140,000																
92	Roof replacement									50,000	50,000																
93	HVAC replacement									25,000	25,000																
94	Replace exhause fan #2									5,000	5,000																
95	Replace 5-ton, exterior condensing unit									15,000	15,000																
96	Replace furnace #3 and 2-ton condensing unit									18,000	18,000																
97	Replace furnace #4, 1.5-ton cond unit & Exh fan #1									20,000	20,000																
98	Replace hot water heater									8,000	8,000																
99	Replace condensate pump & furnaces #1 & 2									15,000	15,000																
SUBTOTAL		-	-							347,500	347,500																
Valley Court Stage Building (Former Board of Water and Light Building)																											
100	Roof, eves, soffit replacement								65,000			65,000															
SUBTOTAL		-	-		0							65,000															
Orchard Street Pump House																											
101	Roof, eve & soffit replacement	22,500	23,650	GF																							
102	Repair historic windows & install storm windows								20,000			20,000															
103	Replace east entry door and side lights								10,000			10,000															
SUBTOTAL		22,500	23,650		0	30,000						30,000															
Aquatic Center																											
104	New pool liner				53,000	97,000						150,000															
105	Replace Pools and Falls					25,000						25,000															
106	Resurface interior of filter cells				10,000							10,000															
107	Replace shower stalls									25,000		25,000															
108	Replace awnings					10,000		10,000	10,000			30,000															
109	Replace gate						8,000					8,000															
110	Fence replacement program							15,000	15,000	20,000		50,000															
111	Landscaping (complete replacement)									50,000		50,000															
112	Replace funbrellas					10,000	10,000	10,000	10,000	10,000		50,000															
113	Natural area management									25,000		25,000															
114	Refurbish fiberglass slides					100,000						100,000															
115	Renovate RRs/bathhouse facility									150,000		150,000															

Capital Improvement Item	2019 Proposed	2019 Actual	Fund Source	2020 Proposed	2021 Proposed	2022 Proposed	2023 Proposed	2024 Proposed	2025 Proposed	Not Funded (NF)	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/BRA TIF (TIF)	Donation, Grant or Other (DON)	Bond (B)		
116 Replace entry sign						10,000					10,000																
117 Roof repair									150,000		150,000																
118 Dewatering system									100,000		100,000																
SUBTOTAL	-	-		63,000	242,000	28,000	35,000	35,000	530,000		933,000																
Softball Complex																											
119 Baseball Club Improvements				70,000																					70,000		
120 Resurface parking lot and entry drive						300,000	50,000				350,000																
121 Restroom partition replacement					20,000						20,000																
122 Fence repair/replacment program					15,000	15,000	15,000	15,000			60,000																
123 Remove scoreboards									10,000		10,000																
124 Playground									100,000		100,000																
125 Re-roof restroom/concession building									75,000		75,000																
SUBTOTAL	-	-		70,000	35,000	315,000	65,000	15,000	185,000		615,000														70,000		
Soccer Complex																											
126 Resurface parking lot and entry drives							200,000	50,000			250,000																
127 Expand parking lots and entry drive									100,000		100,000																
128 Replace scoreboards									30,000		30,000																
129 Drainage - add drain tiles									150,000		150,000																
130 Fence replacement program							15,000	20,000			35,000																
131 Restroom partition replacement						20,000					20,000																
132 Field-turf two of the north fields									2,000,000	2,000,000																	
133 Re-roof concession/team buildings									75,000		75,000																
SUBTOTAL	-	-				20,000	215,000	70,000	2,355,000	2,000,000	660,000																
Park Improvements																											
Abbey Park																											
134 Natural areas management									20,000	20,000																	
Abbot Road Park																											
135 Replace bollards, wood signs, trash can, kiosk									10,000	10,000																	
136 Nature trail improvements									30,000	30,000																	
137 Natural areas management									35,000	35,000																	
138 Pave entry drive and parking lot									200,000	200,000																	
Albert A. White Park																											
139 Northern tier trail extension through the park	369,000	40,000	NRTF/DON	513,650	215,350															300,000					429,000		
140 Construct Overlook Platform and Pathway to Top of Esker									150,000	150,000																	
141 Seal parking lots									20,000	20,000																	
Avondale Park																											
142 Tot lot									45,000	45,000																	
143 Improvements to items such as walkways, benches, picnic tables, signage, etc.									35,000	35,000																	
Bailey Park																											
144 Park improvements		16,680	DON	279,320							3,000									219,000	35,000				22,320		
Burcham Park																											
145 Community solar project park improvements									50,000	50,000																	
146 Park improvement Plan									10,000	10,000																	
147 Natural areas management									30,000	30,000																	
Medal of Honor Memorial/Veterans Park																											
Dog Park																											
148 Fob entry system									20,000	20,000																	
149 Construct ADA pathway from Northern Tier Trail									15,000	15,000																	

Capital Improvement Item	2019 Proposed	2019 Actual	Fund Source	2020 Proposed	2021 Proposed	2022 Proposed	2023 Proposed	2024 Proposed	2025 Proposed	Not Funded (NF)	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/BRA TIF (TIF)	Donation, Grant or Other (DON)	Bond (B)		
150 Install park lighting									20,000	20,000																	
151 Improvements to items such as walkways, benches, picnic tables, sinage, etc.									50,000	50,000																	
Ehinger Park																											
152 Playground									65,000	65,000																	
153 Improvements to items such as walkways, benches, picnic tables, sinage, etc.									35,000	35,000																	
Emerson Park Access from Neighborhood																											
154 Acquire easement for pedestrian access into park									30,000	30,000																	
155 Playground									65,000	65,000																	
156 Repave emerson parking lot									8,000	8,000																	
157 Improvements to items such as walkways, benches, picnic tables, sinage, etc.									35,000	35,000																	
Glencairn Park																											
158 Playground									65,000	65,000																	
159 Improvements to items such as walkways, benches, picnic tables, signage, etc.									35,000	35,000																	
Hannah Site/Britton Park																											
160 Fence repair									75,000	75,000																	
161 Playground									65,000	65,000																	
162 Improvements to items such as walkways, benches, picnic tables, signage, etc.									35,000	35,000																	
Harrison Meadows Park																											
163 Playground									65,000	65,000																	
164 Natural areas management									45,000	45,000																	
165 Resurface basketball court									20,000	20,000																	
166 Resurface parking lot									25,000	25,000																	
167 Improvements to items such as walkways, benches, picnic tables, signage, etc.									35,000	35,000																	
Harrison Road Park																											
168 Finish walkway									10,000	10,000																	
Hawk Nest Park																											
169 Natural areas management									20,000	20,000																	
170 Playground									65,000	65,000																	
171 Improvements to items such as walkways, benches, picnic tables, signage, etc.									35,000	35,000																	
Henry Fine Park																											
172 Replace walking bridges									25,000	25,000																	
173 Wildlife viewing platform at pond and paved access trail									150,000	150,000																	
174 Natural areas management									20,000	20,000																	
175 Improvements to items such as walkways, benches, picnic tables, signage, etc.									35,000	35,000																	
Hidden River Park																											
176 Tot lot									45,000	45,000																	
177 Improvements to items such as walkways, benches, picnic tables, signage, etc.									35,000	35,000																	
Northern Tier Trail																											
178 Replace kiosks																											
179 Replace signage																											
180 Pedestrian Bridge and Trails Improvement Project	136,940	970,109	DON																								

Capital Improvement Item		2019 Proposed	2019 Actual	Fund Source	2020 Proposed	2021 Proposed	2022 Proposed	2023 Proposed	2024 Proposed	2025 Proposed	Not Funded (NF)	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/BRA TIF (TIF)	Donation, Grant or Other (DON)	Bond (B)
181	Colorado Drive and Riveria Drive connections to the NTTrail		11,371	GF			862,480														300,000				562,480	
182	Install trail from Bogue Street to Hagadorn Road Along North Side of Red Cedar River									500,000	500,000															
183	Extend trail west from soccer complex to Coolidge Road									500,000	500,000															
184	Resurface/rebuild trail from soccer complex to State Road									400,000		400,000														
185	Expand trail south to the Red Cedar River									750,000	750,000															
John M. Patriarche Park																										
186	Youth baseball field improvements	120,000	7,764	NRTF/DON	250,000							200,000									50,000					
187	Renovate restroom buildings	100,000	-	NF																						
188	Renovate pavilion and restrooms					500,000						200,000									300,000					
189	Improve volleyball courts									10,000	10,000															
190	Reconstruct tennis courts for pickleball						440,000					100,000									300,000				40,000	
191	Natural areas management									15,000	15,000															
192	Resurface basketball court									20,000	20,000															
193	Remove obsolete play equipment									20,000	20,000															
194	Re-roof maintenance structure									20,000	20,000															
195	Pave/construct parking lots and drives									750,000	750,000															
Robert Shaw Park																										
196	Playground									65,000	65,000															
197	Improvements to items such as walkways, benches, picnic tables, signage, etc.									35,000	35,000															
Shaw Water Tower Park (Gordon Guyer Park)																										
198	Playground									65,000	65,000															
199	Improvements to items such as walkways, benches, picnic tables, signage, etc.									35,000	35,000															
Stoddard Park																										
200	Tot Lot									45,000	45,000															
201	Improvements to items such as walkways, benches, picnic tables, signage, etc.									35,000	35,000															
Tamarisk Park																										
202	Resurface Basketball Court									20,000	20,000															
203	Playground									65,000	65,000															
204	Improvements to items such as walkways, benches, picnic tables, signage, etc.									35,000	35,000															
Valley Court Park																										
205	Remove tennis courts									30,000	30,000															
206	Playground									65,000	65,000															
207	Improvements to items such as walkways, benches, picnic tables, signage, etc.									35,000	35,000															
Wolf Court Park																										
208	Playground									65,000	65,000															
209	Improvements to items such as walkways, benches, picnic tables, signage, etc.									35,000	35,000															
SUBTOTAL		725,940	1,045,924		1,042,970	715,350	1,302,480			5,498,000	5,098,000	903,000									1,469,000	35,000			1,053,800	
Infrastructure Improvement Projects																										
Major Street Improvements																										
210	Alton - Burcham to Saginaw																									

Capital Improvement Item	2019 Proposed	2019 Actual	Fund Source	2020 Proposed	2021 Proposed	2022 Proposed	2023 Proposed	2024 Proposed	2025 Proposed	Not Funded (NF)	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/BRA TIF (TIF)	Donation, Grant or Other (DON)	Bond (B)
211 Hagadorn - Haslett to Lake Lansing																									
212 127 Sound Wall																									
213 Wilson Road - MSU TEDFA	5,310,386	5,310,386	MDOT/Grant																						
214 Harrison and Kalamazoo Signal Upgrade	284,074	284,074	MDOT																						
215 Harrison - Forest to Mt. Hope	236,240	236,240	SF/MDOT																						
216 Lake Lansing Road Concrete Repairs	172,680	172,680	SF																						
217 Burcham, crush and shape 1360, Timberlane to Park Lake	225,000	225,000	SF																						
218 Mount Hope, cap and seal one mile	55,000	55,000	SF																						
219 Harrison: 4 to 3 diet: Michigan to Grand River	45,000	45,000	SF																						
220 Marfitt- Lake Lansing to Abbey - mill and fill	92,000	92,000	SF																						
221 Lake Lansing/Coolidge signal instalation and optimization	606,000	606,000	SF/MDOT																						
222 Ardson bike cut through at Grand River	6,000	6,000	SF																						
223 Signal Upgrading	70,000	70,000	SF	65,000	65,000	65,000	65,000	65,000	65,000			390,000													
224 Forest - Harrison to College				431,800								86,360										345,440			
225 Trowbridge - Arbor to Harrison				607,480								121,496										485,984			
226 Collingwood: Grand River to Ann (Water, Street and Sewer)				466,748								123,386			253,602	89,760									
227 Abbot Mill and Fill - Linden to Burcham				372,108								335,108				37,000									
228 Abbot Crush and Shape-Saginaw to Lake Lansing (STP)					1,444,304							461,134										983,170			
Collingwood: Ann to Burcham (Water, Street and Sewer)					963,714							258,173			505,541	200,000									
229 Albert Corridor Signal Optimozation						146,250						36,250										110,000			
230 Burcham: Mill and Fill-Abbot to Park Lake (STP)						1,191,424						252,866										938,558			
231 Coolidge: Mill and Fill-Coleman to State						444,762						444,762													
232 Coolidge: Mill and Fill-Saginaw to Lake Lansing							1,256,746					365,415										891,331			
233 Hagadorn-Grand River to Burcham								1,138,000				280,000										858,000			
234 Haslett-Saginaw to Park Lake									1,500,000			300,000										1,200,000			
235 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.								300,000	300,000			600,000													
SUBTOTAL	7,102,380	7,102,380		1,943,136	2,473,018	1,847,436	1,321,746	1,503,000	1,865,000			4,054,950			759,143	326,760						5,812,483			
Local Street Improvements																									
236 Glencairn Neighborhood - Phase 1	465,000	465,000	SF																						
237 Cornell, Mill and Fill 1500', Beech to Burcham	135,475	135,475	SF																						
238 Durand, MF 900', Linden to Snyder	76,500	76,500	SF																						
239 East Lansing Dr., Mill and Fill 1236', Merrit Road to Merrit Road	69,915	69,915	SF																						
240 Evergreen, MF 870', and concrete, Oakhill to Fern	73,950	73,950	SF																						
241 Hitching Post, MF 2600', to Old Mill	245,460	245,460	SF																						
242 Stuart, MF 550', Southlawn to north	46,750	46,750	SF																						
243 Timberlane, crush and shape, 1180', Burcham to north end	176,530	176,530	SF																						

Capital Improvement Item		2019 Proposed	2019 Actual	Fund Source	2020 Proposed	2021 Proposed	2022 Proposed	2023 Proposed	2024 Proposed	2025 Proposed	Not Funded (NF)	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/BRA TIF (TIF)	Donation, Grant or Other (DON)	Bond (B)		
244	East Glencarin Ph 1 (1.25 MI water 1.6 Mi M&F, 1.25 Mi C&S)				2,784,685								1,081,537			1,403,148	300,000											
245	Kedzie: Snyder to Collingwood (Storm-1000' , water to Burcham)				618,376								42,128			126,248	450,000											
246	Sunrise (Storm and Street)				230,000								10,000				220,000											
247	Melrose: Crush and Shape and Replace Water-Hagadorn to Timberlane					727,723							179,157			548,566												
248	Berkshire and King: Crush and Shape and Replace Water					256,843							63,232			193,611												
249	Stoddard: Crush and Shape and replace water-Grand River to Burcham					1,070,181							263,467			806,714												
250	Brookfield: Mill and Fill - Roseland :Hagadorn to CL, Maplewood:					297,440							297,440															
251	Gainsborough: Mill and Fill-Harrison to Colorado					91,520							91,520															
252	Blanchette: Mill and Fill- Bramble to Harrison					137,280							137,280															
253	White Hills: Crush and shape and replace water						1,601,990						394,393			1,207,597												
254	East Glencarin Ph 2						1,789,715						361,828			1,107,887	320,000											
255	West Road: Crush and shape-Coleman to Lake Lansing						278,597						278,597															
256	Red Cedar Neighborhood Water Loop and Street Improvements: Marigold, Lilac, Daisy, Ivanhoe, Arbor, Tanager, Scott, Rowena, Rebecca, Narcissus, Sever							3,228,423					1,799,542			1,068,882	360,000											
257	Unidentified: The projects selected will be based on several issues - available funding from MDOT, the City's roadway evaluation ratings (PASER rating), and coordinating the street improvement with water and sewer infrastructure work.								1,200,000	1,200,000			2,400,000															
SUBTOTAL		1,289,580	1,289,580		3,633,061	2,580,987	3,670,302	3,228,423	1,200,000	1,200,000			7,400,121			6,462,653	1,650,000											
Sidewalks																												
258	Hazardous Sidewalk Program is included in each Local Street, Major Street and Neighborhood project under General Fund Cost	50,000	50,000	GF	117,000	100,000	100,000	100,000	100,000	100,000		617,000																
259	Burcham Road Sidewalk Gap Closure						101,254						18,226										83,028					
260	Haslett Sidewalk Gap Closure						164,000						45,718										118,282					
261	Merrit Road Sidewalk Gap Closure							178,000					32,040										145,960					
262	CDBG - sidewalk and ADA improvements	126,000	126,000	SRF	100,000	100,000	100,000	100,000	100,000	100,000												600,000						
SUBTOTAL		176,000	176,000		217,000	200,000	465,254	378,000	200,000	200,000		617,000	95,984									600,000	347,270					
Utilities																												
Water																												
263	Abbey Water Tower	140,000	-	WF	144,000											144,000												
264	State Road Water Main	390,000	390,000	WF																								
265	Glencairn Water Improvements	893,000	893,000	WF																								
266	Bogue water loop, 640' of 8", Bogue alley to Grand River Alley	194,000	394,000	WF																								
267	Cornell water 1500', Beech to Burcham	528,000	528,000	WF																								
268	Durand water 900', Linden to Snyder	278,100	278,100	WF																								
269	Evergreen water 870', Oakhill to Fern	268,900	268,900	WF																								

Capital Improvement Item		2019 Proposed	2019 Actual	Fund Source	2020 Proposed	2021 Proposed	2022 Proposed	2023 Proposed	2024 Proposed	2025 Proposed	Not Funded (NF)	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/BRA TIF (TIF)	Donation, Grant or Other (DON)	Bond (B)
270	Grand River alley water 250' replace 4" C1 with 2 leads	67,500	67,500	WF																						
271	Stuart water 870', Southlawn to north end	156,200	156,200	WF																						
272	Emergency BWL interconnect, Michigan/Highland, 211' of 8" to improve interconnect.	68,000	68,000	WF																						
273	Radio Meter Read Conversion	50,000	50,000	WF		50,000	50,000	100,000	100,000	100,000						400,000										
274	Hagadorn Water Tank	320,000	320,000	WF																						
275	Burcham Valve Repairs					100,000									100,000											
276	Lead and Copper Rule Compliance-Lead component removal				200,000	200,000	200,000	200,000	200,000	200,000						1,200,000										
277	Water main lining				30,000	80,000	80,000	80,000	80,000	80,000						430,000										
278	Water Tower- 500,000 Gallon							2,600,000								2,600,000										
279	Water Tower-1,500,000 Gallon								2,800,000							2,800,000										
280	Unidentified: The projects selected will be based on several issues- Water Asset Management Plan, the City's roadway evaluation ratings (PASER rating), and coordinating improvements with sewer infrastructure work.								1,400,000	1,400,000						2,800,000										
Sewer																										
281	Brody and Michigan Interceptor																									
282	Spot repairs and lining																									
283	Unidentified: The projects selected will be based on several inputs - Sewer Assets Management Plan, CSO study, the City's road way evaluation ratings (PASER rating), and coordinating improvements with water infrastructure work.					1,700,000	2,300,000	2,700,000	2,900,000	3,093,000						10,000,000										
284	CIPP Red Cedar Interceptor Phase 1, 2,401'	650,100	650,100	SEF																						
285	CIPP Red Cedar Interceptor Phase 1, 3,687'	884,000	884,000	SEF																						
286	CIPP Red Cedar Interceptor Phase III, 1,790'	430,815	430,815	SEF																						
287	Catch Basin Removal from Sanitary Sewer				336,000												336,000									
288	SRF Michigan/Harrison	3,600,000	3,600,000	SEF	9,200,000	2,000,000																11,200,000				
289	SRF Woodingham pump station, emergency generator, 2% interest (44%- Meridian Township)	1,498,000	1,498,000	SEF	4,800,000	2,000,000																6,800,000				
290	Trowbridge Sewer District CIPP Lining (47% of cost is MSU)				850,000												850,000									
291	CIPP Lining-SSES/I&I reduction					800,000	600,000	400,000	200,000	100,000							2,100,000									
SUBTOTAL		10,416,615	10,476,615		15,560,000	6,930,000	3,230,000	6,080,000	7,680,000	4,973,000						20,474,000	3,286,000					18,000,000				
Water Resource Recovery Facility																										
292	Interceptor & Head works (Pumping & Grit) & Misc, Facilities Improvements	12,500,000	12,500,000	SRF	2,672,300																	2,672,300				
293	SRF- Bio-solids and solids handling, digester, and emergency power, 2% interest (40%-MSU, 33%- Meridian Township)	6,300,000	6,300,000	SRF	18,800,000	3,400,000																22,200,000				
294	Breaker rebuild	7,000	7,000	SEF																						
295	Elevator-main building	220,000	220,000	SEF																						
296	Fork truck	40,000	40,000	SEF																						
297	Heated storage improvement (floors, shelves, lighting)	30,000	30,000	SEF																						
298	Piping replacement (drains and compressor lines)	40,000	40,000	SEF																						

Capital Improvement Item	2019 Proposed	2019 Actual	Fund Source	2020 Proposed	2021 Proposed	2022 Proposed	2023 Proposed	2024 Proposed	2025 Proposed	Not Funded (NF)	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/BRA TIF (TIF)	Donation, Grant or Other (DON)	Bond (B)		
299 Primary tanks overhaul	6,000	6,000	SEF																								
300 RAS pumps rebuild	10,000	10,000	SEF																								
301 Roof replacement (north blower, floatation)	70,000	70,000	SEF																								
302 WRRF Facility and Process Upgrades				50,000	300,000	300,000	200,000	200,000	200,000							1,250,000											
303 CSO Facility Repairs	100,000	100,000	SEF	200,000											200,000												
304 Future SRF - Aeration and Clarifier upgrade and improvements						700,000	14,000,000	2,300,000													17,000,000						
SUBTOTAL	19,323,000	19,323,000		21,722,300	3,700,000	1,000,000	14,200,000	2,500,000	200,000							1,450,000					41,872,300						
Solid Waste and Recycling																											
SUBTOTAL																											
IT Projects																											
305 Document Imaging/Management	8,000	-	GF	8,000	8,000						16,000																
SUBTOTAL	8,000	-		8,000	8,000						16,000																
Downtown																											
Sidewalks																											
307 500 Block of Albert Ave.					11,760																			11,760			
308 600 Block of Albert Ave.				3,360																				3,360			
309 600 Block of E. Grand River Ave.				12,800																				12,800			
310 100 Block of Abbot																											
311 100/200 Block of Albert Ave.																											
312 100/200 Block of E. Grand River Ave.	118,000	118,000	TIF																								
Bike Loops																											
313 300 Block of E. Grand River Ave.																											
314 400 Block of E. Grand River Ave.						3,600																		3,600			
315 500 Block of E. Grand River Ave.					3,600																			3,600			
316 600 Block of E. Grand River Ave.				3,600																				3,600			
317 100/200 Block of E. Grand River Ave.	1,800	1,800	TIF																								
318 Other Areas																											
Landscaping																											
319 300 Block of E. Grand River Ave.																											
320 400 Block of E. Grand River Ave.						5,500																		5,500			
321 500 Block of E. Grand River Ave.					7,150																			7,150			
322 600 Block of E. Grand River Ave.				3,850																				3,850			
323 100/200 Block of E. Grand River Ave.	9,350	9,350	TIF																								
Refuse & Recycling Systems																											
324 300 Block of E. Grand River Ave.									13,146															13,146			
325 400 Block of E. Grand River Ave.									13,146															13,146			
326 500 Block of E. Grand River Ave.	13,146	13,146	TIF/NF																								
327 600 Block of E. Grand River Ave.	13,146	13,146	TIF/NF																								
328 100/200 Block of E. Grand River Ave.																											
Newspaper Rack Enclosures																											
329 400 Block of E. Grand River Ave.						1,250																		1,250			
330 500 Block of E. Grand River Ave.					1,250																			1,250			
331 600 Block of E. Grand River Ave.				1,250																				1,250			
332 100/200 Block of E. Grand River Ave.	1,250	1,250	TIF																								
Street Furniture																											
333 300 Block of E. Grand River Ave.																											
334 400 Block of E. Grand River Ave.						200																		200			
335 500 Block of E. Grand River Ave.					1,300																			1,300			
336 600 Block of E. Grand River Ave.				1,300																				1,300			
337 100/200 Block of E. Grand River Ave.	1,300	1,300	TIF																								
Amenities/Planters																											

Capital Improvement Item	2019 Proposed	2019 Actual	Fund Source	2020 Proposed	2021 Proposed	2022 Proposed	2023 Proposed	2024 Proposed	2025 Proposed	Not Funded (NF)	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/BRA TIF (TIF)	Donation, Grant or Other (DON)	Bond (B)		
338 300 Block of E. Grand River Ave.																											
339 400 Block of E. Grand River Ave.						2,400																	2,400				
340 500 Block of E. Grand River Ave.					2,400																		2,400				
341 600 Block of E. Grand River Ave.				2,400																			2,400				
342 100/200 Block of E. Grand River Ave.	2,400	2,400	TIF																								
Tobacco/Ash Urns																											
343 300 Block of E. Grand River Ave.																											
344 400 Block of E. Grand River Ave.						450																	450				
345 500 Block of E. Grand River Ave.					450																		450				
346 600 Block of E. Grand River Ave.				450																			450				
347 100/200 Block of E. Grand River Ave.	450	450	TIF																								
Signage																											
348 Wayfinding Signs																											
SUBTOTAL	160,842	160,842		29,010	27,910	13,400			26,292															96,612			
Economic Development																											
349 Park District Infrastructure	2,500,000	-	TIF	1,800,000						2,500,000																	
350 Center City Infrastructure	2,500,000	2,200,000	TIF																								
SUBTOTAL	5,000,000	2,200,000		1,800,000						2,500,000																	
Parking																											
349 Parking facilities restoration projects	200,000	179,200	PF		250,000		250,000		250,000				750,000														
350 Center City Parking Garage	19,000,000	22,000,000	TIF																								
351 Center City Parking Office/Wayfinding	300,000	375,800	PF																								
352 University Place Parking Garage		178,100	PF	130,000									130,000														
SUBTOTAL	19,500,000	22,733,100		130,000	250,000		250,000		250,000				880,000														
TOTAL	64,077,357	64,770,691		46,698,977	18,334,765	12,830,872	26,735,669	14,096,000	19,951,292	11,095,500	8,423,000	11,551,055	880,000	0	27,695,796	6,712,760	980,000	0	0	1,469,000	60,507,300	6,159,753	96,612	1,148,800	0		

Table 2
Schedule of Bonded Indebtedness
FY2019-FY2024
 Rev. 05/16/2019

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>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>Six-Year Total</u>
Aquatics Center (refinanced 2009)	1998	3,500,000	GOB	Gen/Debt	262,548	-	-	-	-	-	262,548
Hannah Center - First Phase (refinanced 2009)	1998	5,500,000	GOB	Gen/Debt	410,652	-	-	-	-	-	410,652
Hannah Center - Second Phase	1999	1,500,000	GOB	Gen/Debt	128,500	-	-	-	-	-	128,500
SUBTOTAL Debt Millage					801,700	-	-	-	-	-	801,700
Capital Improvements (refinanced 2016)	2008	795,000	GOLTD	General	61,400	55,400	54,050	57,700	61,200	24,000	313,750
Avondale Square (refinanced 2018)	2010	2,365,000	GOLTD	Gen/CIP	197,127	180,373	180,718	181,568	182,210	182,645	1,104,641
SUBTOTAL GENERAL DEBT SERVICE					1,060,227	235,773	234,768	239,268	243,410	206,645	2,220,091
Section 108 Loan	2006	1,500,000	GOLTD	HUD-CDBG	110,783	106,721	102,611	98,456	94,260	90,030	602,861
DDA Refinancing Bonds - City Center	2015	2,850,000	GOLTD	DDA	316,551	327,179	331,719	340,339	352,805	354,128	2,022,721
Methane Extraction System	2009	515,000	GOLTD	Solid Waste	62,700	-	-	-	-	-	62,700
Michigan Transportation Bonds	2009	1,540,000	GOLTD	Streets	137,063	137,600	137,540	137,250	136,730	135,980	822,163
ENTERPRISE FUND DEBT											
City Center/New Ramp (refinanced 2005 and 2015)	2000	12,500,000	LTD. TAX	Parking	900,065	897,330	827,600	830,400	827,000	827,600	5,109,995
Stonehouse Village III/Lot 11 Series A (refinanced 2016)	2007	2,160,000	LTD. TAX	Parking	103,825	113,125	121,775	125,125	123,325	125,925	713,100
Stonehouse Village III Series B (refinanced 2016)	2007	1,550,000	LTD. TAX	Parking	89,741	90,124	95,162	96,646	96,528	102,736	570,937
2011 Bonds Series A Parking Improvements	2011	2,000,000	LTD. TAX	Parking	156,148	155,462	157,519	156,491	155,148	156,542	937,310
MAC Garage Rehab	2016	5,960,000	LTD. TAX	Parking	361,342	363,963	361,088	362,821	364,153	365,136	2,178,503
PARCS Installment Purchase Contract	2016	1,430,000	Installment Loan	Parking	214,906	216,450	217,906	219,275	215,600	216,881	1,301,018
SUBTOTAL PARKING DEBT					1,826,027	1,836,454	1,781,050	1,790,758	1,781,754	1,794,820	10,810,863
Public Service Garage (refinanced 2012)	2003	6,860,000	LTD. TAX	Garage	385,975	392,125	387,825	388,375	388,625	390,250	2,333,175
Public Service Garage (refinanced 2014)	2004	2,500,000	LTD. TAX	Garage	182,277	178,546	174,764	170,982	177,200	173,174	1,056,943
SUBTOTAL GARAGE DEBT					568,252	570,671	562,589	559,357	565,825	563,424	3,390,118
2011 Bonds Series A Water Improvements	2011	1,500,000	LTD. TAX	Water	117,125	116,610	118,153	117,382	116,375	117,420	703,065
Coleman Road Deferred SA (refinanced 2016)	2007	600,000	LTD. TAX	Water/Sewer	45,747	54,085	62,342	63,559	71,057	71,802	368,592
Albert Street Sewer Improvements	2012	1,370,000	LTD. TAX	Sewer	88,975	92,175	90,225	88,275	91,325	89,575	540,550
2013 Relief Sanitary Sewer Installation	2013	2,935,000	LTD. TAX	Sewer	170,039	167,539	169,989	167,389	169,739	167,039	1,011,734
2015 SRF Loan WRRF Improvements	2015	15,000,000	REV	Sewer	960,375	965,000	964,125	962,875	961,250	964,250	5,777,875
2017 SRF Loan WRRF Improvements	2017	29,500,000	REV	Sewer	325,606	1,566,365	1,567,240	1,567,365	1,566,740	1,565,365	8,158,681
Wilmarth Drain - CSO	2000	660,000	LTD. TAX	Sewer	56,013	58,163	-	-	-	-	114,176
CSO Phase III	2004	9,605,000	REV	Sewer	551,465	551,371	551,065	555,493	554,656	553,606	3,317,656
SUBTOTAL WATER AND SEWER					2,315,345	3,571,308	3,523,139	3,522,338	3,531,142	3,529,057	19,992,329
TOTAL DEBT SERVICE/ALL FUNDS					\$ 6,396,948	\$ 6,785,706	\$ 6,673,416	\$ 6,687,766	\$ 6,705,926	\$ 6,674,084	\$ 39,923,846

Total Bonded Indebtedness as of June 30, 2018 was \$68.5 million (principal outstanding)