

# CITY OF BATTLE CREEK

FISCAL YEARS 2018-2019 TO 2023-2024



# CAPITAL IMPROVEMENT PROGRAM



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CITY OF BATTLE CREEK  
FINANCE DEPARTMENT

## Memorandum of Transmittal

**TO:** Planning Commission  
Honorable Mayor and City Commission

**FROM:** Rebecca Fleury, City Manager

**SUBJECT:** Six-Year Capital Improvement Program for FY 2018-2019 through  
FY 2023-2024

**DATE:** March 28, 2018

The City Administration is pleased to transmit to you the recommended six-year Capital Improvement Program (CIP) for the City of Battle Creek for Fiscal Years 2018-2019 through 2023-2024. This document formalizes and consolidates all of the capital improvement projects throughout City departments and component units and provides a comprehensive summary of the capital needs of the City for the next six years.

This year is the third year in which we utilized the Priority Based Budgeting (PBB) scoring mechanism to score and evaluate our capital improvement projects. We hope it provides you additional information to understand how these projects impact our PBB Community Results.

The CIP also details the potential source of funding for the capital projects. The program has been developed in an effort to direct the City's limited resources in the most effective manner. Funding strategies include: pay-as-you-go, bond financing, State and Federal grants, the Battle Creek Tax Increment Finance Authority (BCTIFA), and various other sources. By matching the available resources with the capital needs of the City and evaluating their impact on our PBB Community Results, a more proactive approach can be taken for long-term financial planning.

The financing of capital improvements continues to be a challenge. We hope that the implementation of Priority Based Budgeting will assist in identifying those projects closely aligned with our community results. Funding sources for capital improvements are always being explored as we continue to fully implement PBB.

This marks the fifteenth edition of the CIP. The successful completion of this document would not have been possible without the full support of the City's Directors, Department and Division heads, Finance Department staff, and Battle Creek Unlimited.

Rebecca Fleury  
City Manager

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## **INTRODUCTION**

### **SELECTION OF THE TIME PERIOD COVERED BY THE CAPITAL IMPROVEMENT PROGRAM**

The Michigan Municipal Planning Commission Act (PA 33 of 2008, as amended) provides for the preparation of a six-year capital improvements program under the guidance of the City Planning Commission.

*“To further the desirable future development of the local unit of government under the master plan, a planning commission, after adoption of a master plan, shall annually prepare a capital improvements program of public structures and improvements, unless the planning commission is exempted from this requirement by charter or otherwise. If the planning commission is exempted, the legislative body either shall prepare and adopt a capital improvements program, separate from or as a part of the annual budget, or shall delegate the preparation of the capital improvements program to the chief elected official or a nonelected administrative official, subject to final approval by the legislative body. The capital improvements program shall show those public structures and improvements, in the general order of their priority that in the commission's judgment will be needed or desirable and can be undertaken within the ensuing 6-year period. The capital improvements program shall be based upon the requirements of the local unit of government for all types of public structures and improvements. Consequently, each agency or department of the local unit of government with authority for public structures or improvements shall upon request furnish the planning commission with lists, plans, and estimates of time and cost of those public structures and improvements.”*

### **STATEMENT OF EXECUTIVE POLICY TO GUIDE THE CAPITAL IMPROVEMENT PROGRAMMING PROCESS**

The chief executive of the governmental unit should prepare a message to departments and other agencies which indicate key policies which should be taken into account in preparation of the capital improvements program. The executive policy message should indicate the kinds of facilities and services which the administration wishes to emphasize or de-emphasize in the program based on overall fiscal capabilities and public opinion.

### **DEFINITION OF A CAPITAL PROJECT FOR CAPITAL PROGRAMMING PURPOSES**

Capital outlays are expenditures which result in the acquisition of or addition to fixed assets. Fixed assets are of a long term nature, which are intended to continue to be held or used, such as land, buildings, and large machinery. Because of their recurring nature, costs for such items as office furniture, office equipment and passenger vehicles are normally not included in a capital improvement program.

In general terms, the definition of capital improvements includes new or expanded physical facilities that are relatively large size, expensive, and relatively permanent.

For the purposes of the City of Battle Creek's Capital Improvement Program, the following items will be considered to qualify as elements of the program:

1. **Land:** Expenditures for the acquisition of land for the purpose of some long term use, such as a park or public facility, should be included.
2. **Structures:** Structures include public buildings, road improvements, utilities, airports, and similar types of improvements. The capital improvement program should include construction costs, as well as architectural, engineering, design, legal and related expenses.
3. **Preliminary Plans, Feasibility Studies and Technical Analysis:** The anticipated costs associated with the preparation of plans, reports, studies and investigations should be included in the capital improvement program.
4. **Machinery and Equipment:** Only machinery and equipment meeting the established minimum cost and expected life identified below should be included.

## **STANDARDS FOR INCLUSION IN CAPITAL IMPROVEMENT PROGRAM – COST AND LIFE EXPECTANCY**

To be considered as a potential project identified in the capital improvement program for the City of Battle Creek, an item must:

- Have an estimated cost of at least **\$25,000**; and
- Have a minimal useful life of at least **five (5) years**.

## FUNDING SOURCES

Funding Sources	Description
A51	Act 51
AF	Airport Fund
BCTIFA	Battle Creek Tax Increment Finance Authority
BRA	Brownfield Redevelopment Authority
CIB	Capital Improvement Bonds
CMAQ	Congestion Mitigation & Air Quality Improvement Program
DDA	Downtown Development Authority
ECF	Equipment Center Fund
FF	Federal Grant/Funds
GC	Binder Park Golf Course Fund
GF	General Fund
ITF	Information Technology Fund
LBP	Local Bridge Program
MLSCPF	Major & Local Street Capital Project Funds
PF	Parking Fund
PS	Private Sources
SF	State Grant/Funds
SGF	Special Grants Fund
WF	Water Fund
WWF	Wastewater Fund



## **PRIORITY BASED BUDGETING FOR CAPITAL IMPROVEMENT PROGRAM**

This is the third year the City of Battle Creek has used the Priority Based Budgeting (PBB) model to prioritize the projects included in the CIP. This is an exciting new way to think about the services the City provides and the resources that are allocated to those services. PBB is about achieving fiscal health and wellness by looking at the way the City does things through a different lens. The City of Battle Creek has been one of only a handful of communities using the PBB model to expand its use to include the CIP projects. One of the most critical steps in implementing the prioritization process is the scoring of projects. In this step, a cross-functional review team scored each individual capital improvement project relative to the basic program attributes and the eight community-oriented results of this document, in addition to the scoring done by the department. This step helped identify how each individual project influences or impacts the ability to achieve any or all of the eight stated results. There may be projects that influence the achievement of several or even all of the City's results, and the team was tasked to determine the connection between each single project and its ability to achieve any or all of the City's results. The team considered what degree of impact the individual projects have on each result to determine a consensus score for each criteria. These scores were summarized by the Center for Priority Based Budgeting using their auto program scoring calculator to determine an overall priority score for each project.

### **PRIORITY DEFINITIONS**

- 1.....Very relevant to achieving community result**
- 2.....Relevant to achieving community result**
- 3.....Some impact on achieving community result**
- 4.....Minimal impact on achieving community result**

### **SCORING CRITERIA**

- Basic Program Attributes..... Pages 10 – 16**
- Community – Oriented Results ..... Pages 17 - 25**



# Scoring for Basic Program Attributes & Community-Oriented Results



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Helping Michigan's Local Governments Manage Their Budgets



# Basic Program Attributes Results



## City of Battle Creek's Basic Program Attributes

- **Mandated to Provide the Program**
- **Reliance on the City to Provide the Program**
  - **Cost Recovery of Program**
- **Portion of Community Served by the Program**
- **Change in Demand for the Program**



## Basic Program Attributes:

### **Mandated to Provide Program**

- *Programs that are mandated by another level of government (i.e. federal, state or county) will receive a higher score for this attribute compared to programs that are mandated solely by the City or have no mandate whatsoever.*
- The grading criterion established to score programs, on a 0 to 4 scale is as follows:
  - **4** = Required by Federal, State or County legislation
  - **3** = Required by Charter or incorporation documents **OR** to comply with regulatory agency standards
  - **2** = Required by Code, ordinance, resolution or policy **OR** to fulfill executed franchise or contractual agreement
  - **1** = Recommended by national professional organization to meet published standards, other best practice
  - **0** = No requirement or mandate exists



## Basic Program Attributes: **Reliance on City to Provide Program**

- Programs for which residents, businesses and visitors can look only to the City to obtain the service will receive a higher score for this attribute compared to programs that may be similarly obtained from another intergovernmental agency or a private business.
- The grading criterion established to score programs, on a 0 to 4 scale is as follows:
  - **4** = City is the sole provider of the program and there are **no** other public or private entities that provide this type of service
  - **3** = City is currently the sole provider of the program but there are other public or private entities that could be contracted to provide a similar service
  - **2** = Program is also offered by another governmental, non-profit or civic agency
  - **1** = Program is offered by other private businesses but none are located within the City limits
  - **0** = Program is also offered by other private businesses located within the City limits



## **Basic Program Attributes:** **Cost Recovery of Program**

- *Programs that demonstrate the ability to “pay for themselves” through user fees, intergovernmental grants or other user-based charges for services will receive a higher score for this attribute compared to programs that generate limited or no funding to cover their cost.*
- The grading criterion established to score programs, on a 0 to 4 scale is as follows:
  - **4** = Fees generated cover 75% to 100% of the cost to provide the program
  - **3** = Fees generated cover 50% to 74% of the cost to provide the program
  - **2** = Fees generated cover 25% to 49% of the cost to provide the program
  - **1** = Fees generated cover 1% to 24% of the cost to provide the program
  - **0** = No fees are generated that cover the cost to provide the program



## **Basic Program Attributes:** **Portion of Community Served by Program**

- Programs that benefit or serve a larger segment of the City's residents, businesses and/or visitors will receive a higher score for this attribute compared to programs that benefit or serve only a small segment of these populations.
- The grading criterion established to score programs, on a **0 to 4** scale is as follows:
  - **4** = Program benefits/serves the **ENTIRE** community (100%)
  - **3** = Program benefits/serves a **SUBSTANTIAL** portion of the community (at least 75%)
  - **2** = Program benefits/serves a **SIGNIFICANT** portion of the community (at least 50%)
  - **1** = Program benefits/serves **SOME** portion of the community (at least 10%)
  - **0** = Program benefits/serves only a **SMALL** portion of the community (less than 10%)





## Basic Program Attributes: **Change in Demand for Program**

- Programs demonstrating an increase in demand or utilization will receive a higher score for this attribute compared to programs that show no growth in demand for the program. Programs demonstrating a decrease in demand or utilization will actually receive a minus score for this attribute.
- The grading criterion established to score programs, on a -4 to 4 scale is as follows:
  - 4 = Program experiencing a **SUBSTANTIAL** increase in demand of 25% or more
  - 3 = Program experiencing a **SIGNIFICANT** increase in demand of 15% to 24%
  - 2 = Program experiencing a **MODEST** increase in demand of 5% to 14%
  - 1 = Program experiencing a **MINIMAL** increase in demand of 1% to 4%
  - 0 = Program experiencing **NO** change in demand
  - -1 = Program experiencing a **MINIMAL** decrease in demand of 1% to 4%
  - -2 = Program experiencing a **MODEST** decrease in demand of 5% to 14%
  - -3 = Program experiencing a **SIGNIFICANT** decrease in demand of 15% to 24%
  - -4 = Program experiencing a **SUBSTANTIAL** decrease in demand of 25% or more



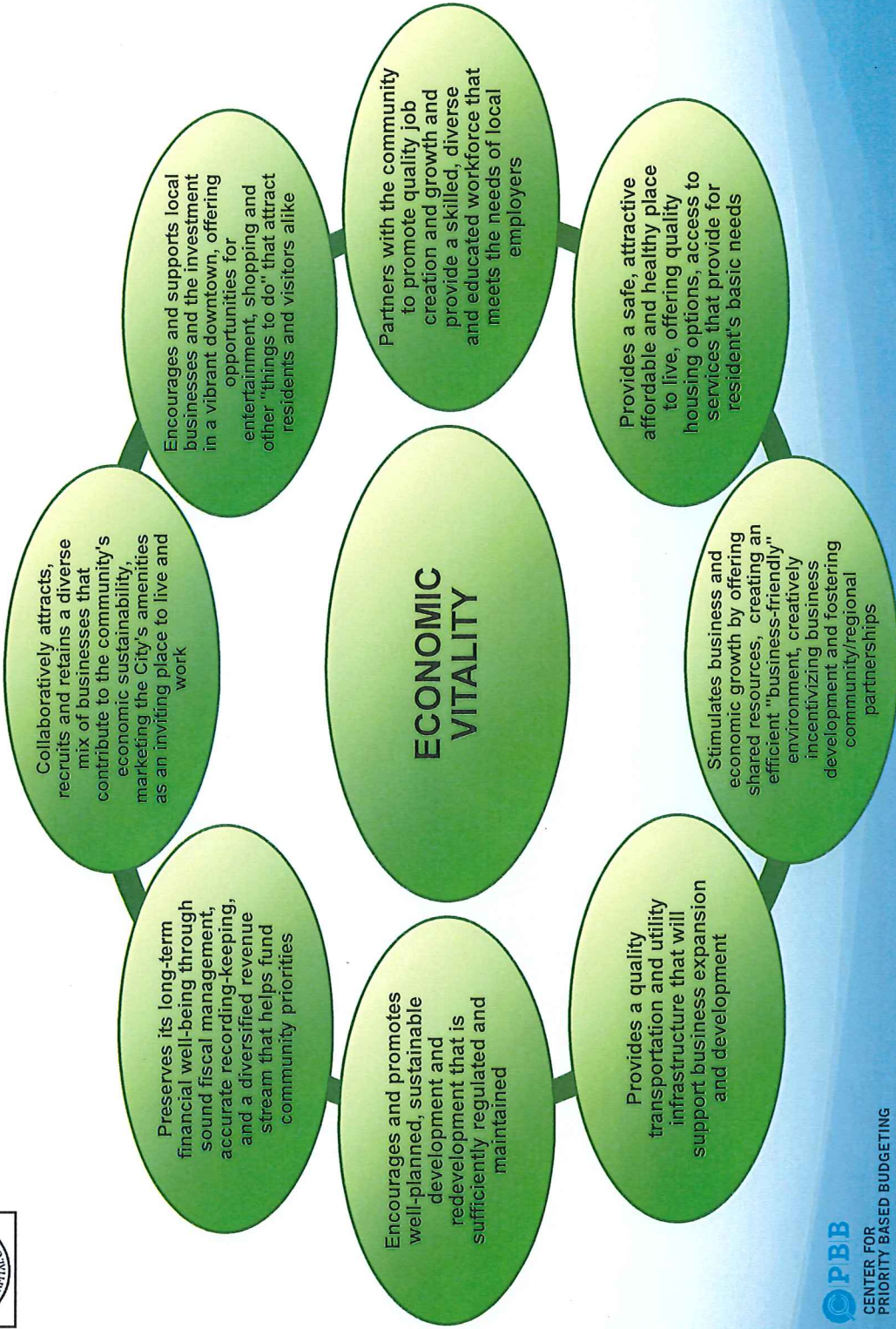
# Community-Oriented Results



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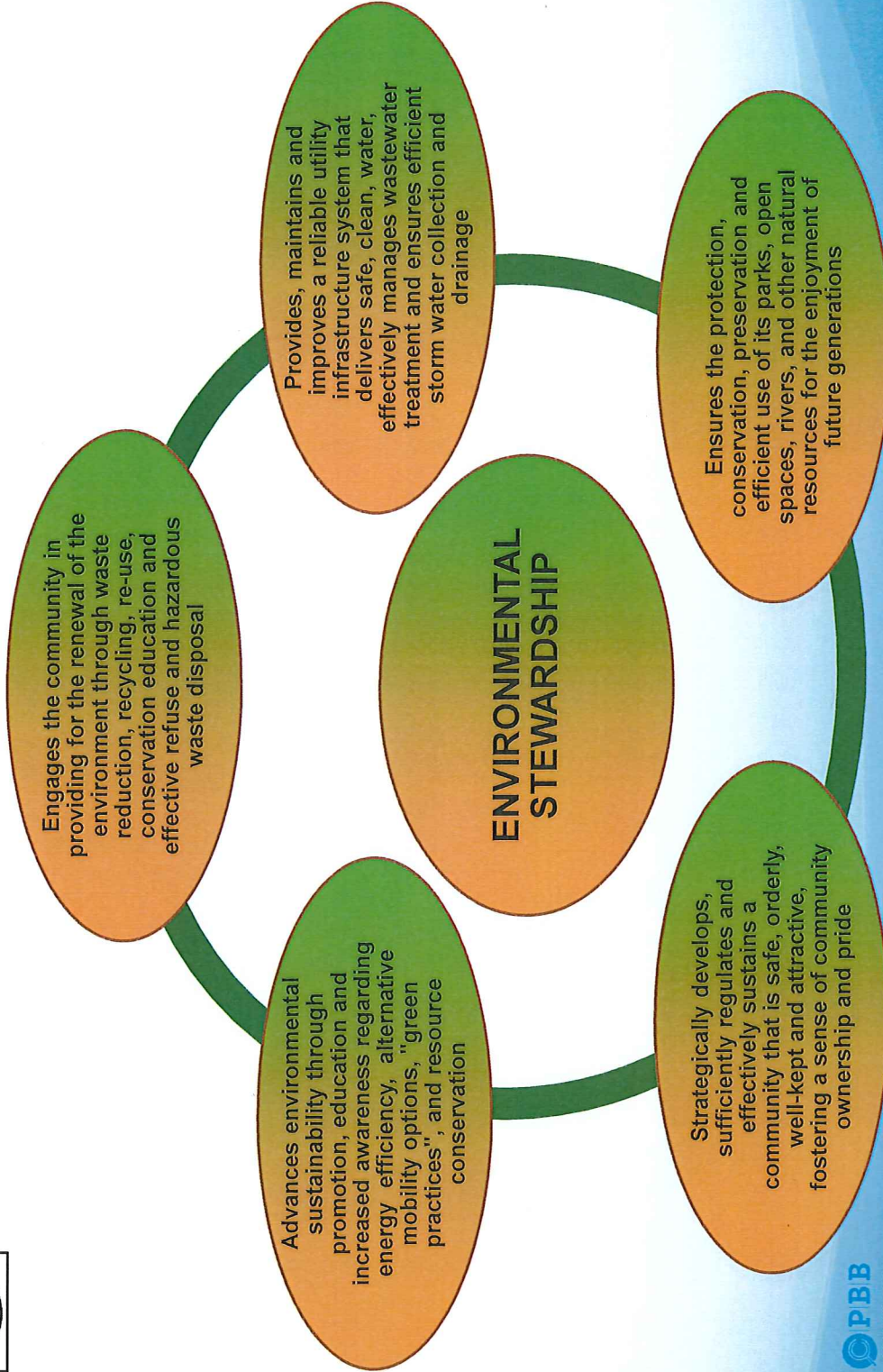
# City of Battle Creek, Michigan



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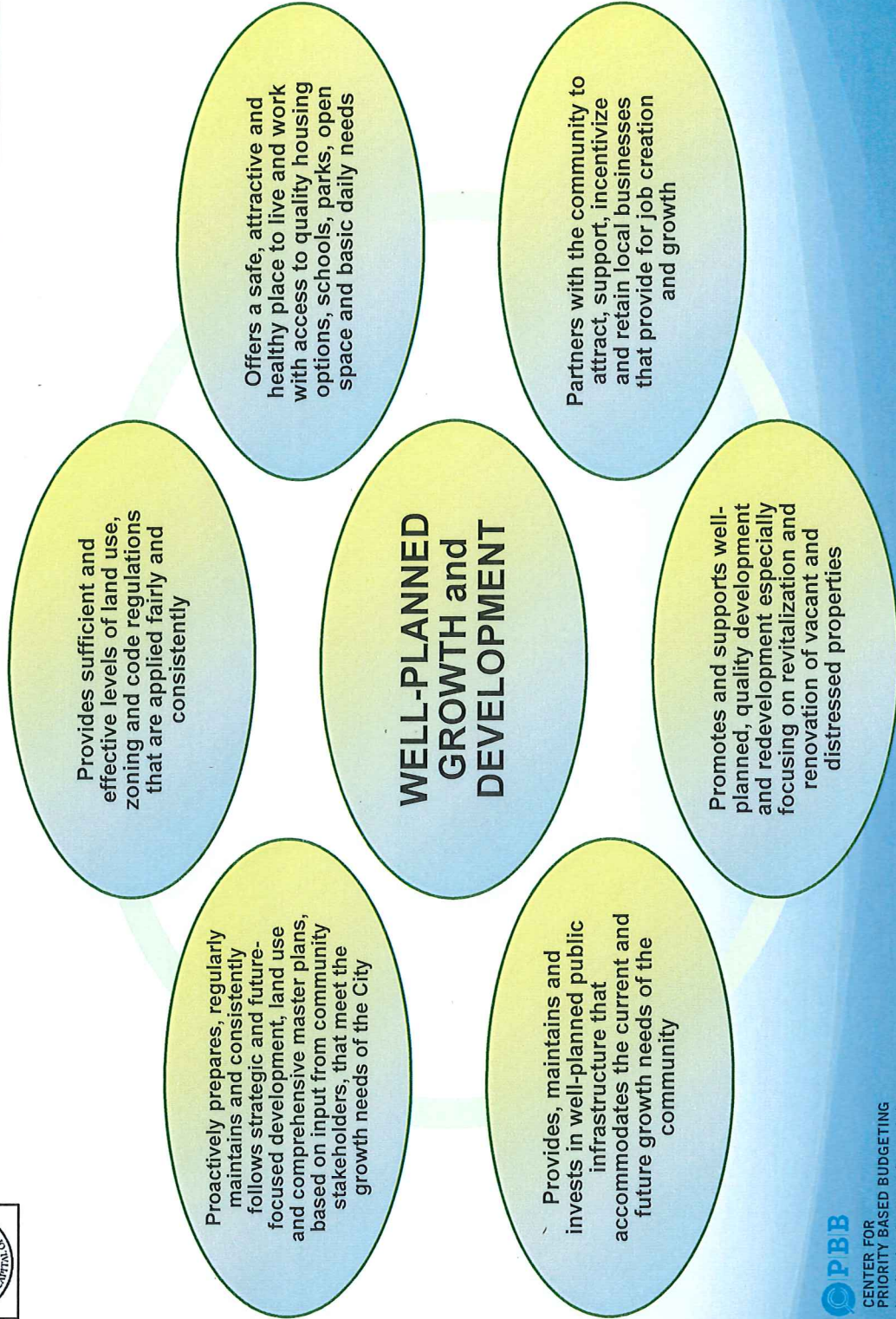
# City of Battle Creek, Michigan



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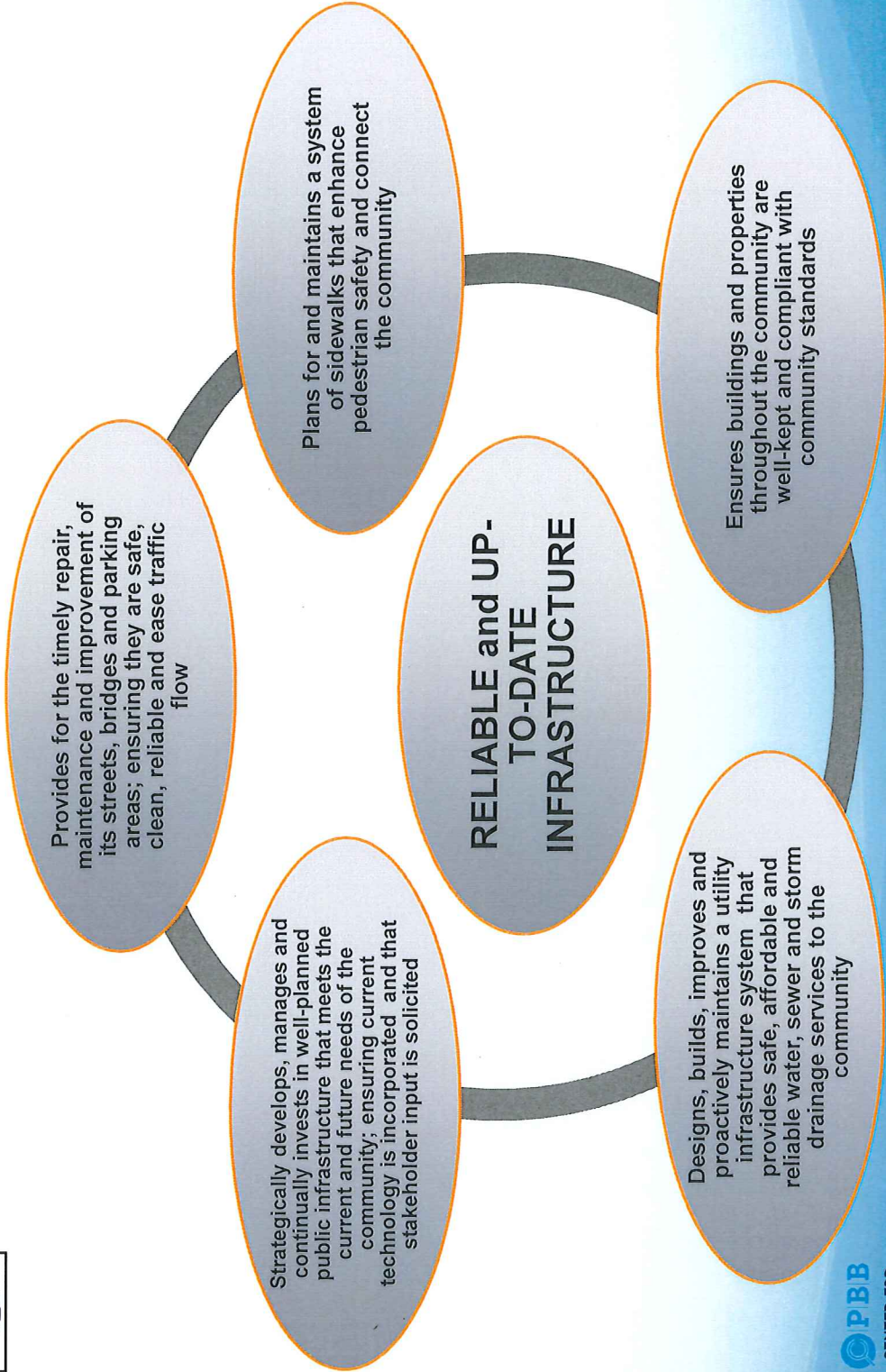
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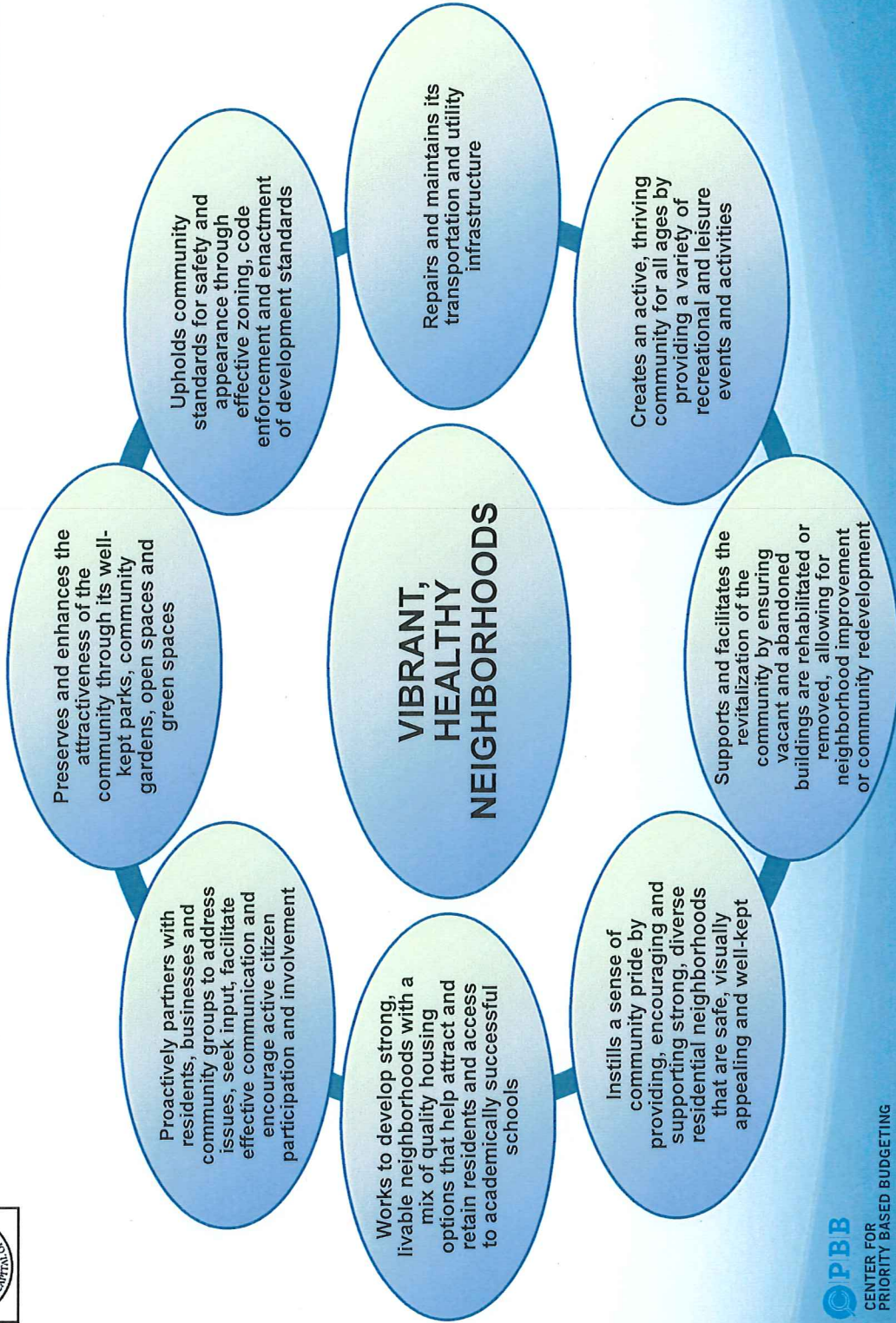
# City of Battle Creek, Michigan



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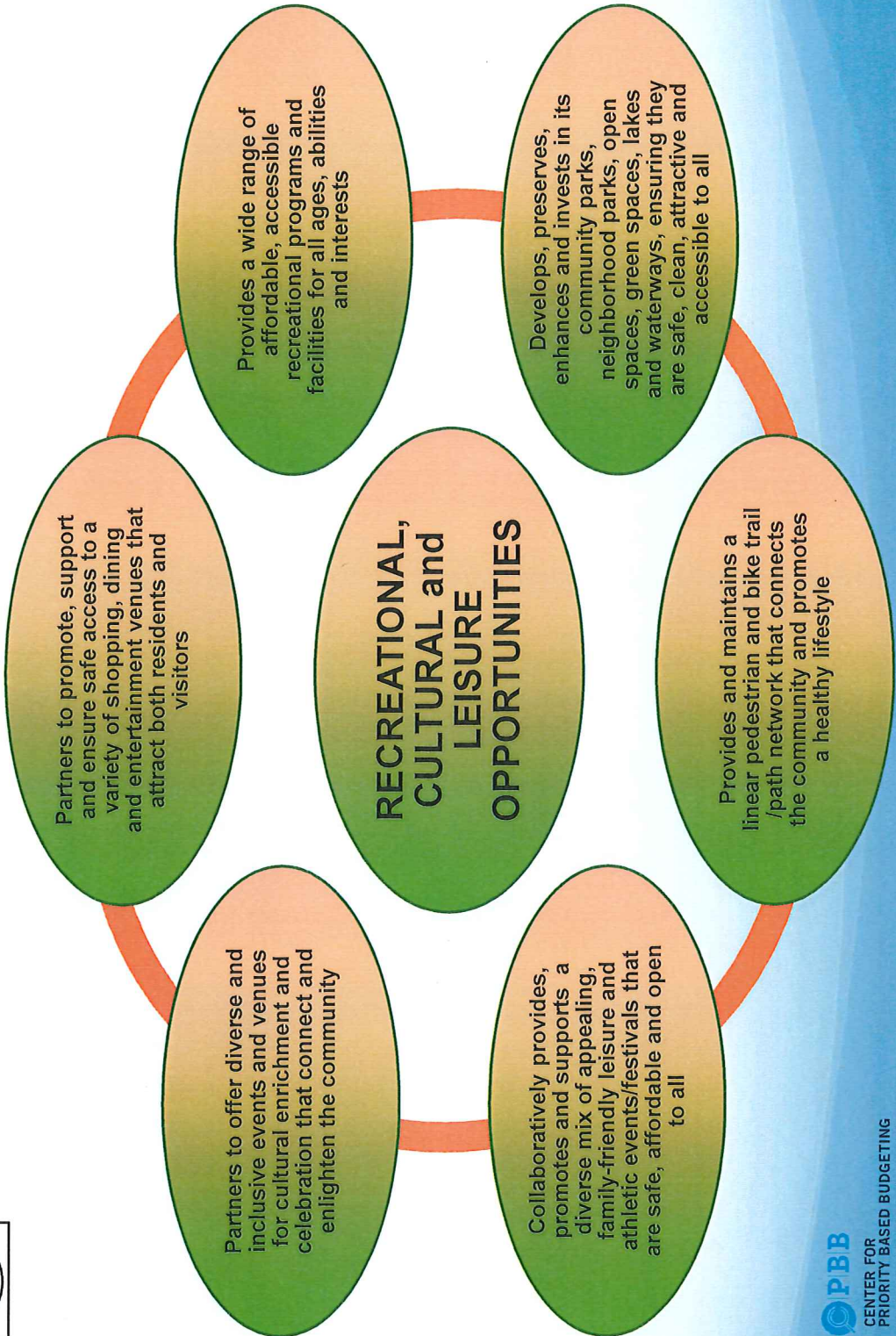


# City of Battle Creek, Michigan





# City of Battle Creek, Michigan



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# City of Battle Creek, Michigan

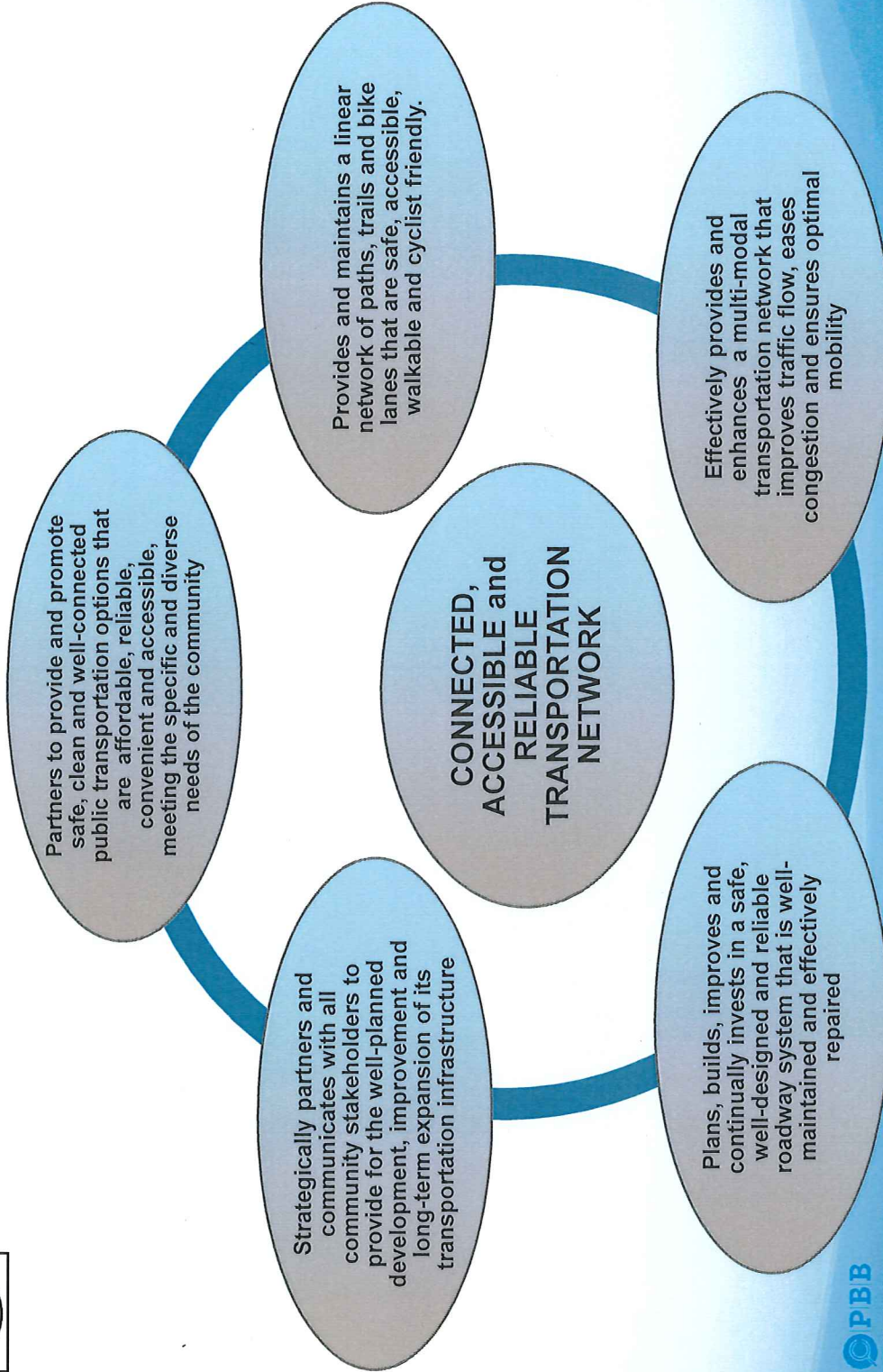


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# City of Battle Creek, Michigan



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City of Battle Creek

Capital Improvement Projects Summary

Summarized by Funded?, Priority and Department  
Fiscal Years 2018-2019 to 2023-2024

Priority	Funded?	Department	Project Title	2018-2019 Expenditures	2019-2020 Expenditures	2020-2021 Expenditures	2021-2022 Expenditures	2022-2023 Expenditures	2023-2024 Expenditures	Project Total	Funding Source1	Funding Source2	Funding Source3	Funding Source4	New Project?	Meets Master Plan?
1	Yes	Airport	Rehab Taxiway C Phase 2 & Twy D connector construction	\$2,635,000						\$2,635,000	FF	SF	BCTIFA		No	Yes
1	Yes	BCTIFA	Airport Development	\$1,550,000	\$2,200,000	\$2,550,000	\$2,700,000	\$2,550,000	\$2,000,000	\$13,550,000	BCTIFA	AF	SF	FF	No	Yes
1	Yes	BCTIFA	Airport Maintenance	\$1,000,000	\$750,000	\$1,000,000	\$850,000	\$1,100,000	\$250,000	\$4,950,000	BCTIFA	AF	SF	FF	No	Yes
1	Yes	BCTIFA	Airport Retention Support	\$1,075,000	\$1,075,000	\$1,075,000	\$575,000	\$575,000	\$500,000	\$4,875,000	BCTIFA	AF			Yes	Yes
1	Yes	BCTIFA	Fort Business Retention Support	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000	\$4,500,000	BCTIFA				Yes	Yes
1	Yes	BCTIFA	Fort Maintenance	\$750,000	\$1,000,000	\$750,000	\$1,000,000	\$750,000	\$1,000,000	\$5,250,000	BCTIFA				No	Yes
1	Yes	BCTIFA BRA	Corridor Improvements	\$4,450,000	\$3,450,000	\$3,650,000	\$2,600,000	\$2,400,000	\$1,000,000	\$17,550,000	BCTIFA	BRA	SF		Yes	Yes
1	Yes	BCTIFA BRA	Fort Development	\$1,700,000	\$1,700,000	\$1,700,000	\$1,200,000	\$1,200,000	\$750,000	\$8,250,000	BCTIFA	BRA			No	Yes
1	Yes	Engineering	24th & Getthings Rd chip sealing	\$63,750						\$63,750	FF	MLSCPF			Yes	Yes
1	Yes	Engineering	Bridge Maintenance Program	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	MLSCPF				No	Yes
1	Yes	Engineering	Capital Ave Resurfacing			\$276,380				\$276,380	FF	MLSCPF			No	Yes
1	Yes	Engineering	Elm St. chip sealing	\$27,312						\$27,312	FF	MLSCPF			No	Yes
1	Yes	Engineering	Glen Cross Road Resurfacing	\$260,580						\$260,580	FF	MLSCPF			No	Yes
1	Yes	Engineering	Hamblin Ave. Skip patching	\$48,594						\$48,594	FF	MLSCPF			Yes	Yes
1	Yes	Engineering	Helmer Road St. Resurfacing	\$295,647						\$295,647	FF	MLSCPF			No	Yes
1	Yes	Engineering	Hot in place program	\$138,000						\$138,000	MLSCPF				Yes	Yes
1	Yes	Engineering	Intersection Modernization of Capital and Michigan Ave		\$325,000					\$325,000	FF				No	Yes
1	Yes	Engineering	Intersection Modernization of Capital Ave & Jackson	\$325,000						\$325,000	FF				No	Yes
1	Yes	Engineering	Intersection Modernization of Capital Ave & Van Buren			\$325,000				\$325,000	FF				No	Yes
1	Yes	Engineering	Jackson St. and Stringham Road chip sealing	\$244,767						\$244,767	FF	MLSCPF			Yes	Yes
1	Yes	Engineering	Kendall St. Resurfacing	\$168,600		\$30,600				\$199,200	FF	MLSCPF			No	Yes
1	Yes	Engineering	Lafayette St. reconstruction	\$206,000						\$206,000	State	MLSCPF			Yes	Yes
1	Yes	Engineering	Meachem Ave. chip sealing		\$65,119					\$65,119	FF	MLSCPF			Yes	Yes
1	Yes	Engineering	Micro Surfacing & Chip Seal & Crack fill Contract	\$1,013,138	\$1,473,435	\$1,882,242	\$1,272,080	\$1,337,891	\$941,600	\$7,920,386	MLSCPF				No	Yes
1	Yes	Engineering	North Ave. chip sealing		\$51,192					\$51,192	FF	MLSCPF			No	Yes
1	Yes	Engineering	Pavement Replacement Program	\$552,145		\$51,600				\$603,745	MLSCPF				No	Yes
1	Yes	Engineering	Resurface Main St.			\$194,090				\$194,090	FF	MLSCPF			No	Yes

**City of Battle Creek  
Capital Improvement Projects Summary**

**Summarized by Funded?, Priority and Department  
Fiscal Years 2018-2019 to 2023-2024**

Priority	Funded?	Department	Project Title	2018-2019 Expenditures	2019-2020 Expenditures	2020-2021 Expenditures	2021-2022 Expenditures	2022-2023 Expenditures	2023-2024 Expenditures	Project Total	Funding Source1	Funding Source2	Funding Source3	Funding Source4	New Project?	Meets Master Plan?
1	Yes	Engineering	Resurfacing Program	\$1,016,700	\$901,037	\$711,659	\$928,724	\$706,910	\$687,500	\$4,952,530	MLSCPF	BCTIFA			No	Yes
1	Yes	Engineering	Roosevelt chip sealing		\$70,455					\$70,455	FF	MLSCPF			Yes	Yes
1	Yes	Engineering	Union St. chip seal			\$40,256				\$40,256	FF	MLSCPF			No	Yes
1	Yes	Engineering	Upton Ave. chip sealing		\$43,373					\$43,373	FF	MLSCPF			Yes	Yes
1	Yes	Traffic Engineering	Traffic Signal Modernization, Capital @ Jackson	\$355,000						\$355,000	CMAQ	A51			No	Yes
1	Yes	Traffic Engineering	Traffic Signal Modernization, Capital @ Michigan	\$355,000						\$355,000	CMAQ	A51			No	Yes
1	Yes	Traffic Engineering	Traffic Signal Modernization, Capital @ Van Buren			\$355,000				\$355,000	CMAQ	A51			No	Yes
1	Yes	Wastewater	Interceptor Rehabilitation Project		\$1,300,000	\$1,300,000	\$225,000	\$225,000	\$225,000	\$3,275,000	WWF				No	Yes
1	Yes	Wastewater	Sewer Replacement - Street Program	\$675,000	\$675,000	\$1,375,000	\$1,575,000	\$525,000	\$1,335,000	\$6,160,000	WWF				No	Yes
1	Yes	Wastewater	Solids Handling Improvements	\$525,000	\$410,000	\$2,200,000	\$780,000	\$1,406,000	\$500,000	\$5,821,000	WWF				No	Yes
1	Yes	Water	Pump Replacement	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	WF				No	Yes
1	Yes	Water	Valve and Hydrant Replacement	\$152,000	\$152,000	\$152,000	\$152,000	\$152,000	\$152,000	\$912,000	WF				No	Yes
1	Yes	Water	Water Main & Trans. Line Replacement - Street Program	\$2,958,860	\$1,737,250	\$861,250	\$3,399,500	\$1,346,000	\$1,699,250	\$12,002,110	WF				No	Yes
1	Yes	Water	Water Service Replacement and Restoration	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,800,000	WF				No	Yes
2	Yes	Airport	Snow Removal equipment - HB Series Plow Truck #3	\$44,924						\$44,924	BCTIFA				No	Yes
2	Yes	BCTIFA	Fort Land/ Building Acquisition	\$1,500,000	\$1,500,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$11,000,000	BCTIFA				Yes	Yes
2	Yes	BCTIFA	Infrastructure Development	\$1,100,000	\$1,150,000	\$1,100,000	\$1,150,000	\$1,100,000	\$1,000,000	\$6,600,000	BCTIFA	SF			Yes	Yes
2	Yes	BCTIFA BRA	Shovel Ready Site Preparation	\$4,250,000	\$4,250,000	\$3,250,000	\$3,250,000	\$2,250,000	\$2,000,000	\$19,250,000	BCTIFA	BRA			Yes	Yes
2	Yes	Information Technology	Datacenter Refresh Project	\$180,000						\$180,000	ITF				Yes	Yes
2	Yes	Transit	Large Bus Replacement - 2 vehicles	\$621,734	\$155,434					\$777,168	FF	SF			No	Yes
2	Yes	Transit	Master Plan Study	\$150,000						\$150,000	SF				No	Yes
2	Yes	Transit	Van Replacement			\$64,000	\$16,000			\$80,000	CMAQ	SF			No	Yes
2	Yes	Wastewater	Lift Station Replacement	\$380,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$2,130,000	WWF				No	Yes
2	Yes	Wastewater	Meter Replacement - Wastewater	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000	WWF				No	Yes
2	Yes	Water	Meter Replacement - Water	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000	WF				No	Yes
2	Yes	Water	Water Tank Rehab		\$290,000	\$595,000	\$350,500	\$844,500	\$82,000	\$2,162,000	WF				No	Yes

**City of Battle Creek  
Capital Improvement Projects Summary**

**Summarized by Funded?, Priority and Department  
Fiscal Years 2018-2019 to 2023-2024**

Priority	Funded?	Department	Project Title	2018-2019 Expenditures	2019-2020 Expenditures	2020-2021 Expenditures	2021-2022 Expenditures	2022-2023 Expenditures	2023-2024 Expenditures	Project Total	Funding Source1	Funding Source2	Funding Source3	Funding Source4	New Project?	Meets Master Plan?
2	Yes	Water	Well Maintenance	\$620,000	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	\$1,720,000	WF				No	Yes
3	Yes	Equipment Ctr	Cars	\$286,285	\$271,157	\$63,142	\$112,759	\$362,821	\$236,203	\$1,332,367	ECF				No	Yes
3	Yes	Equipment Ctr	Compact Vans	\$54,253	\$25,386				\$28,008	\$107,647	ECF				No	Yes
3	Yes	Equipment Ctr	Full Size Vans		\$29,320		\$64,960			\$94,280	ECF				No	Yes
3	Yes	Equipment Ctr	Heavy Duty Trucks	\$741,900	\$820,822	\$1,137,820	\$771,760	\$707,980	\$727,640	\$4,907,922	ECF				No	Yes
3	Yes	Equipment Ctr	Heavy Equipment	\$465,600	\$539,370	\$692,149	\$227,911	\$219,767	\$105,135	\$2,249,932	ECF				No	Yes
3	Yes	Equipment Ctr	Light Duty Trucks	\$329,083	\$408,431	\$239,992	\$409,115	\$162,940	\$148,654	\$1,698,215	ECF				No	Yes
3	Yes	Equipment Ctr	Light Equipment	\$648,200	\$302,210	\$117,745	\$63,864	\$193,402	\$38,833	\$1,364,254	ECF				No	Yes
3	Yes	Equipment Ctr	Medium Duty Trucks	\$159,619	\$397,522	\$133,442	\$194,256	\$39,850		\$924,689	ECF				No	Yes
3	Yes	Equipment Ctr	Parking Lot Restoration	\$80,000	\$70,000	\$70,000				\$220,000	ECF				No	Yes
3	Yes	Equipment Ctr	SUVs	\$62,006	\$192,293	\$446,919	\$300,321	\$200,847	\$169,110	\$1,371,496	ECF				No	Yes
3	Yes	Equipment Ctr	Trailers/Pulled Equipment	\$115,171		\$51,953	\$4,992			\$224,816	ECF				No	Yes
3	Yes	Information Technology	Thin Client Replacement Project	\$100,000						\$100,000	ITF				Yes	Yes
3	Yes	Transit	Interior Security Cameras at BCT	\$25,220						\$25,220	SF				No	Yes
3	Yes	Transit	Intermodal Roof Replacement	\$124,000						\$124,000	SF				No	Yes
3	Yes	Transit	Rehab/Renovate Bus Wash/Cleaning Bay	\$65,000						\$65,000	SF				No	Yes
3	Yes	Transit	Transit Admin Building upgrade	\$114,000						\$114,000	SF				No	Yes
3	Yes	Wastewater	As Built Mapping of Sewer System	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	WWF				No	Yes
3	Yes	Water	As Built Mapping of Water System	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	WF				No	Yes
1	No	Airport	Construction for Reconstruction of East T-Hangar Area						\$824,000	\$824,000	FF	SF	BCTIFA		No	Yes
1	No	Airport	Construction for Reconstruction of Taxiway F						\$4,409,600	\$4,409,600	FF	SF	BCTIFA		No	Yes
1	No	Airport	Construction for Rehab Twy C Phase III & Twy E Conn	\$2,542,973	\$2,626,200					\$5,169,173	FF	SF	BCTIFA		No	Yes
1	No	Airport	Construction for Rehabilitate Taxiway A			\$3,292,000	\$3,301,000			\$6,593,000	FF	SF	BCTIFA		No	Yes
1	No	Airport	Design for Reconstruction of East T-Hangar Area					\$66,000		\$66,000	FF	SF	BCTIFA		No	Yes
1	No	Airport	Design for Rehab Twy C Phase III & Twy E Conn	\$213,800						\$213,800	FF	SF	BCTIFA		No	Yes
1	No	Airport	Design for Rehabilitate Taxiway A		\$259,000	\$259,000				\$518,000	FF	SF	BCTIFA		No	Yes

# City of Battle Creek Capital Improvement Projects Summary

## Summarized by Funded?, Priority and Department Fiscal Years 2018-2019 to 2023-2024

Priority	Funded?	Department	Project Title	2018-2019 Expenditures	2019-2020 Expenditures	2020-2021 Expenditures	2021-2022 Expenditures	2022-2023 Expenditures	2023-2024 Expenditures	Project Total	Funding Source1	Funding Source2	Funding Source3	Funding Source4	New Project?	Meets Master Plan?
1	No	Airport	Design for the reconstruction of Taxiway F					\$360,400		\$360,400	FF	SF	BCTIFA	No	Yes	
1	No	Airport	Snow Removal equipment - HB Series Plow Truck	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	BCTIFA			No	Yes	
1	No	Battle Creek DDA	Building Improvement Program	\$250,000	\$300,000	\$50,000	\$250,000	\$250,000	\$250,000	\$1,100,000	DDA	SF		No	Yes	
1	No	Battle Creek DDA	Downtown Property Acquisition	\$200,000	\$200,000	\$50,000	\$325,000	\$200,000	\$200,000	\$975,000	DDA	SF		No	Yes	
1	No	Battle Creek DDA	Gogua Lake North end Redevelopment	\$300,000	\$1,500,000	\$1,200,000	\$900,000	\$500,000	\$300,000	\$4,700,000	DDA	SF	PS	Yes	Yes	
1	No	Battle Creek DDA	Greenspace and Riverfront Improvements	\$200,000	\$100,000	\$100,000	\$50,000	\$100,000	\$100,000	\$550,000	DDA	SF		No	Yes	
1	No	Battle Creek DDA	Streetscape Enhancements	\$100,000	\$25,000	\$50,000	\$125,000	\$75,000	\$50,000	\$425,000	DDA	SF		No	Yes	
1	No	Battle Creek DDA	Trail Head Development		\$225,000					\$225,000	DDA	SF		No	Yes	
1	No	Battle Creek DDA	Wayfinding and Gateway Signage		\$125,000					\$125,000	DDA	SF		No	Yes	
1	No	Community Services	Closure of Patterson & City Hall PD Campus Parking	\$225,000						\$225,000	GF			Yes	Yes	
1	No	Engineering	Battle Creek River Electrical System Replacement	\$125,000						\$125,000	DDA			No	Yes	
1	No	Engineering	Battle Creek River Pedestrian Lighting Upgrade	\$50,000						\$50,000	DDA			No	Yes	
1	No	Engineering	Park Electrical Systems Upgrade	\$25,000						\$25,000	DDA	GF		No	Yes	
1	No	Engineering	Sojourner Truth Monument Amphitheater Rehab	\$40,000						\$40,000	DDA			No	Yes	
1	No	Fire Dept.	Dolliver Campus and Station 2 Remodel	\$1,700,000	\$1,300,000	\$3,000,000				\$6,000,000	CIB			Yes	Yes	
1	No	Fire Dept.	New Fire Station				\$7,000,000			\$7,000,000	CIB			No	Yes	
1	No	Fire Dept.	Purchase New Engine (replacing E-2)	\$750,000						\$750,000	CIB			No	No	
1	No	Fire Dept.	Purchase New Engine (replacing E-5)					\$600,000		\$600,000	CIB			No	No	
1	No	Fire Dept.	Remodel Selected Fire Stations						\$1,500,000	\$1,500,000	CIB			No	Yes	
1	No	Fire Dept.	Station 3 Renovation						\$3,000,000	\$3,000,000	CIB			No	Yes	
1	No	Information Technology	IT Strategic Plan and System Assessment		\$30,000		\$15,000			\$45,000	ITF			No	Yes	
1	No	Parking	Michigan - Lighting					\$200,000		\$200,000	PF			Yes	Yes	
1	No	Parks	Downtown Riverfront/Mill Pond Redevelopment	\$600,000	\$300,000			\$2,200,000	\$3,000,000	\$6,100,000	GF	SF		No	Yes	
1	No	Parks	E. Columbia Ave. River and Park Development					\$500,000	\$370,000	\$870,000	GF	SF		No	Yes	

**City of Battle Creek  
Capital Improvement Projects Summary**

**Summarized by Funded?, Priority and Department  
Fiscal Years 2018-2019 to 2023-2024**

Priority	Funded?	Department	Project Title	2018-2019 Expenditures	2019-2020 Expenditures	2020-2021 Expenditures	2021-2022 Expenditures	2022-2023 Expenditures	2023-2024 Expenditures	Project Total	Funding Source1	Funding Source2	Funding Source3	Funding Source4	New Project?	Meets Master Plan?
1	No	Parks	Fell Park (Master Plan Renovations)			\$450,000				\$450,000	GF				No	Yes
1	No	Parks	Linear Park Expansion			\$50,000				\$50,000	GF				No	Yes
1	No	Parks	Linear Park Expansion, North Side to South Side				\$300,000	\$2,200,000		\$2,500,000	GF	SF			No	Yes
1	No	Parks	Linear Park Repairs - Existing Path	\$50,000	\$50,000	\$25,000	\$75,000		\$50,000	\$250,000	GF	SF	SGF		No	Yes
1	No	Parks	Linear Path Expansion along 28th Street				\$520,000			\$520,000	GF	SF			No	Yes
1	No	Parks	Linear Path Expansion, I-94 Corridor			\$300,000	\$300,000	\$100,000	\$300,000	\$1,000,000	GF	SF			No	Yes
1	No	Parks	Linear Trail Signage		\$25,000					\$25,000	GF				No	Yes
1	No	Parks	Park Assets Management Projects	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	GF				No	Yes
1	No	Parks	Playground Safety Improvements	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	GF				No	Yes
1	No	Parks	Soccer/Rugby Acquisition and Development		\$450,000		\$1,350,000			\$1,800,000	GF	SF	PS		No	Yes
1	No	Parks	Waterway Trail			\$700,000	\$300,000			\$1,000,000	GF	SF			No	Yes
1	No	Parks	Woodland Park & Nature Preserve- Planning/Improvements	\$100,000	\$100,000	\$890,000	\$815,000	\$75,000		\$1,980,000	GF	SF	PS		No	Yes
1	No	Recreation	Metcaif Lake Development			\$100,000	\$300,000	\$50,000		\$450,000	GF	SF	PS		No	Yes
1	No	Recreation	Rec. Ctr Repairs/Renovations to Existing Infrastructure	\$40,000	\$460,000					\$500,000	FBE				No	Yes
1	No	Traffic Engineering	Capital Ave @ Beckley/194 Knapp Drive					\$350,000		\$350,000	CMAQ				No	Yes
1	No	Traffic Engineering	Central Business District Traffic Signal Interconnect					\$176,000		\$176,000	A51	DDA			No	Yes
1	No	Traffic Engineering	City Wide Pavement Marking	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$960,000	A51				No	Yes
1	No	Traffic Engineering	Emergency Vehicle Preemption & Transit System Priority				\$440,000	\$440,000	\$440,000	\$1,320,000	A51	FF			No	Yes
1	No	Traffic Engineering	New Traffic Signal, 28th @ Hupp						\$200,000	\$200,000	A51				No	Yes
1	No	Traffic Engineering	New Traffic Signal, Capital Ave. N.E. @ North Ave.					\$300,000		\$300,000	A51				No	Yes
1	No	Traffic Engineering	Non Motorized maintenance	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	A51				No	Yes
1	No	Traffic Engineering	Railroad Crossing Maintenance	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$210,000	A51				No	Yes
1	No	Traffic Engineering	Traffic Cameras and Weather Sensors		\$76,000					\$76,000	A51				No	Yes
1	No	Traffic Engineering	Traffic Sign Upgrade	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$240,000	A51				No	Yes
1	No	Traffic Engineering	Traffic Signal Modernization, 20th @ Territorial			\$150,000				\$150,000	A51				No	Yes



**City of Battle Creek  
Capital Improvement Projects Summary**

**Summarized by Funded?, Priority and Department  
Fiscal Years 2018-2019 to 2023-2024**

Priority	Funded?	Department	Project Title	2018-2019 Expenditures	2019-2020 Expenditures	2020-2021 Expenditures	2021-2022 Expenditures	2022-2023 Expenditures	2023-2024 Expenditures	Project Total	Funding Source1	Funding Source2	Funding Source3	Funding Source4	New Project?	Meets Master Plan?
1	No	Traffic Engineering	Traffic Signal Modernization, Cliff at Marjorie				\$150,000			\$150,000	A51				No	Yes
1	No	Traffic Engineering	Traffic Signal Modernization, Main @ Cliff				\$270,000			\$270,000	A51				No	Yes
1	No	Traffic Engineering	Traffic Signal Modernization, McCamly @ Van Buren				\$355,000			\$355,000	CMAQ	A51			No	Yes
1	No	Traffic Engineering	Traffic Signal Modernization, Upton @ Washington					\$270,000		\$270,000	A51				No	Yes
1	No	Wastewater	Biological Treatment Rehabilitation	\$5,000,000	\$700,000	\$50,000	\$50,000	\$50,000	\$50,000	\$5,900,000	WWF	QEC Bond	Gen Bond		No	Yes
1	No	Wastewater	Liquid Chlorine Disinfection				\$400,000	\$4,500,000		\$4,900,000	WWF				No	Yes
1	No	Water	Energy Improvements	\$460,000	\$100,000	\$100,000				\$660,000	WF				No	Yes
2	No	Airport	Approach Clearing for Runway 23R	\$250,000						\$250,000	BCTIFA				No	Yes
2	No	Airport	Develop and implement an airport signage program	\$75,000						\$75,000	BCTIFA				No	Yes
2	No	Airport	Drainage Improvements at the AOMF	\$50,000						\$50,000	BCTIFA				No	Yes
2	No	Battle Creek DDA	Kalamazoo River Channel Redevelopment	\$25,000			\$950,000	\$1,050,000	\$1,750,000	\$3,775,000	DDA	SF	PS		Yes	Yes
2	No	Battle Creek DDA	Recreation, Culture and Leisure Facilities	\$100,000	\$55,000	\$55,000	\$55,000	\$55,000	\$25,000	\$345,000	DDA	SF			No	Yes
2	No	Battle Creek DDA	West Michigan Ave. corridor Improvements				\$625,000	\$875,000		\$1,500,000	DDA	SF			Yes	Yes
2	No	CBD	Spray Grounds		\$50,000	\$300,000	\$50,000			\$400,000	GF	PS			No	Yes
2	No	Engineering	Salt Storage Facility		\$500,000					\$500,000	A51				No	Yes
2	No	Engineering	Street Sweeping Debris Storage Building		\$250,000					\$250,000	A51				No	Yes
2	No	Fire Dept.	Tear down 178 E. Van Buren	\$40,000						\$40,000	GF				Yes	Yes
2	No	Information Technology	Fiber Optic Network Expansion			\$32,500				\$32,500	WF	GF			No	Yes
2	No	Kellogg Arena	Concession Equipment	\$25,000		\$20,000				\$45,000	GF				No	Yes
2	No	Kellogg Arena	Concrete Repairs		\$25,000					\$25,000	CIB				No	Yes
2	No	Kellogg Arena	Energy Conservation Project	\$700,000	\$300,000					\$1,000,000	CIB				No	Yes
2	No	Kellogg Arena	Video Board	\$380,000						\$380,000	GF				No	Yes
2	No	Parking	Hamblin - Expansion Joints		\$120,000					\$120,000	PF				No	Yes
2	No	Parking	Michigan - Concrete Patching		\$95,000					\$95,000	PF				No	Yes
2	No	Parking	Michigan - Surface		\$25,000					\$25,000	PF				No	Yes
2	No	Parking	Surface Lots - Surface Repairs		\$400,000		\$400,000		\$400,000	\$1,200,000	PF				No	Yes

**City of Battle Creek  
Capital Improvement Projects Summary**

**Summarized by Funded?, Priority and Department  
Fiscal Years 2018-2019 to 2023-2024**

Priority	Funded?	Department	Project Title	2018-2019 Expenditures	2019-2020 Expenditures	2020-2021 Expenditures	2021-2022 Expenditures	2022-2023 Expenditures	2023-2024 Expenditures	Project Total	Funding Source1	Funding Source2	Funding Source3	Funding Source4	New Project?	Meets Master Plan?
2	No	Parks	Community Dog Park			\$300,000				\$300,000	GF	SF		No	Yes	
2	No	Parks	Downtown Skateboard Park		\$400,000					\$400,000	SGF			No	Yes	
2	No	Parks	Playground Safety Surfacing		\$25,000				\$25,000	\$50,000	GF			No	Yes	
2	No	Parks	Stone Jug Road Park Development/ FAA Quiet Zone		\$50,000	\$75,000				\$125,000	GF	SF		No	Yes	
2	No	Recreation	Rec. Ctr Auditorium Rehab			\$900,000				\$900,000	FBE	PS		No	Yes	
2	No	Recreation	Rec. Ctr New Splash Pad Water Features		\$450,000					\$450,000	FBE			No	Yes	
2	No	Traffic Engineering	Citywide Traffic Calming	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$150,000	A51			No	Yes	
2	No	Traffic Engineering	New Signal or Roundabout, Capital @ Greentree and Lois					\$30,000	\$30,000	\$360,000	A51			No	Yes	
2	No	Traffic Engineering	Traffic Camera Video Hosting	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$180,000	A51			No	Yes	
2	No	Transit	AVL/CAD System Upgrade	\$60,000	\$15,000					\$75,000	FF	SF		No	Yes	
2	No	Transit	Farebox System Upgrade		\$320,000	\$80,000				\$400,000	FF	SF		No	Yes	
2	No	Transit	Large Bus Replacement - 3 vehicles			\$1,020,000	\$255,000			\$1,275,000	FF	SF		No	Yes	
3	No	Battle Creek DDA	Art, Sculptures and Monuments	\$50,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$175,000	DDA	SF		No	Yes	
3	No	Battle Creek DDA	Dam Removal			\$1,850,000	\$1,850,000			\$3,700,000	DDA	SF		Yes	Yes	
3	No	Battle Creek DDA	Seasonal Retail Structures	\$125,000	\$125,000					\$250,000	DDA			Yes	Yes	
3	No	City Hall Maint.	City Hall Building Automation System Upgrade	\$109,000						\$109,000	GF			Yes	Yes	
3	No	City Hall Maint.	City Hall Façade Repair and Refurbishing	\$400,000						\$400,000	GF			Yes	Yes	
3	No	City Hall Maint.	City Hall Lighting Improvements	\$170,000						\$170,000	GF			Yes	Yes	
3	No	City Hall Maint.	City Hall Perimeter Retaining Wall Removal and Replacement	\$241,000						\$241,000	GF			Yes	Yes	
3	No	City Hall Maint.	City Hall Roof					\$100,000		\$100,000	GF			Yes	Yes	
3	No	City Hall Maint.	City Hall Treasurer Office / Lobby Safety Improvements and Renovation	\$238,000						\$238,000	GF			Yes	Yes	
3	No	Engineering	Brice Pit Reclamation Project		\$600,000					\$600,000	A51	WF	WWWF	Yes	Yes	
3	No	Engineering	Replacement "Building 6"		\$1,100,000					\$1,100,000	A51	GF		No	Yes	
3	No	Equipment Center	Green Roof Relocation	\$50,000						\$50,000	ECF			Yes	Yes	
3	No	Fire Dept.	New SCBA's				\$450,000			\$450,000	CIB			No	No	

**City of Battle Creek  
Capital Improvement Projects Summary**

Summarized by Funded?, Priority and Department  
Fiscal Years 2018-2019 to 2023-2024

Priority	Funded?	Department	Project Title	2018-2019 Expenditures	2019-2020 Expenditures	2020-2021 Expenditures	2021-2022 Expenditures	2022-2023 Expenditures	2023-2024 Expenditures	Project Total	Funding Source1	Funding Source2	Funding Source3	Funding Source4	New Project?	Meets Master Plan?
3	No	Information Technology	Document Management System					\$50,000		\$50,000	ITF				No	No
3	No	Kellogg Arena	Arena Floor Resurfacing				\$100,000			\$100,000	GF				YES	Yes
3	No	Kellogg Arena	Chain motor replacement			\$25,000				\$25,000	GF				No	Yes
3	No	Parking	Engineering for Parking Fund Projects	\$44,000						\$44,000	PF				No	Yes
3	No	Parking	Hamblin - Lighting					\$200,000		\$200,000	PF				Yes	Yes
3	No	Parks	Bailey Park Parking Lot	\$35,000						\$35,000	GF				Yes	Yes
3	No	Parks	General Parks asphalt road and parking area repairs.	\$25,000	\$25,000	\$25,000			\$25,000	\$100,000	GF				No	Yes
3	No	Parks	Monument and Sculpture Renovation	\$25,000	\$25,000					\$50,000	GF				Yes	Yes
3	No	Police Dept.	BCPD Communications Replacement Plan	\$244,000	\$244,000	\$244,000	\$244,000			\$976,000	GF				No	Yes
3	No	Police Dept.	BCPD Computer/Video Solution	\$157,500	\$157,500					\$315,000	GF				No	Yes
3	No	Police Dept.	BCPD Video/Data Storage Solution	\$33,333	\$33,334					\$66,667	GF				No	No
3	No	Recreation	Binder Park G. C. - Backup Power Project	\$30,000						\$30,000	GC				No	Yes
3	No	Recreation	Binder Park G. C. - Banquet Facility		\$800,000					\$800,000	GC				No	Yes
3	No	Recreation	Binder Park G. C. - Cart Path Improvements	\$100,000	\$100,000	\$100,000				\$300,000	GC				No	Yes
3	No	Recreation	Binder Park G.C. - Grounds Equipment	\$95,000	\$20,000	\$57,000	\$40,000	\$20,000		\$232,000	GC				No	Yes
3	No	Recreation	Rec. Ctr Water Park-Concessions Upgrade and Expansion		\$125,000					\$125,000	FBE				No	Yes
3	No	Transit	Intermodal Drain Repair	\$25,000						\$25,000	SF				No	Yes
4	No	City Hall Maint.	City Hall Carpet Replacement	\$260,000						\$260,000	GF				Yes	Yes
4	No	City Hall Maint.	City Hall Commission Chambers and Hallway Painting	\$100,000						\$100,000	GF				Yes	Yes
4	No	Recreation	P&R Storage Facility		\$200,000					\$200,000	GF				No	Yes

	2018-2019 Expenditures	2019-2020 Expenditures	2020-2021 Expenditures	2021-2022 Expenditures	2022-2023 Expenditures	2023-2024 Expenditures	Project Total
Funded Totals	\$35,565,196	\$30,443,698	\$32,462,239	\$28,193,742	\$24,375,908	\$19,648,633	\$170,689,416
Not Funded Totals	\$17,679,606	\$15,745,034	\$16,814,500	\$22,550,000	\$16,182,400	\$18,413,600	\$107,385,140
Grand Totals	\$53,244,802	\$46,188,732	\$49,276,739	\$50,743,742	\$40,558,308	\$38,062,233	\$278,074,556

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Airport**

**Project Title:** Rehab Twy C Phase 2 & Twy D connector construction **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** This phase of the project will include the construction work for the rehabilitation of the pavement and edge lights on Taxiway C (from RWY 5L/23R to TWY D) and the TWY D connector.

**Project Justification:** These pavements were identified in the last pavement condition index survey (2014) as being one of the poorest on the airfield. At that time this portion of Taxiway C was rated a 33 which is well below FAA minimum service condition. These taxiways are also very critical to the airport, as most traffic must transit these taxiways to get to Duncan Aviation (FBO), WMU College of Aviation, or other tenants. This project also includes the replacement of the edge lighting along Taxiway C and Taxiway D connector as the edge lighting has reached the end of its useful life.

**Financing Sources** **Paying Fund:** W.K. Kellogg Airport Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FF	\$2,371,500						\$2,371,500
SF	\$131,750						\$131,750
BCTIFA	\$131,750						\$131,750
							\$0
<b>Total</b>	<b>\$2,635,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,635,000</b>

**BCTIFA**

**Project Title:** Airport Development **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** New infrastructure; wetland remediation; Hangar construction; Apron Construction; Bridge to airport land; misc

**Project Justification:** To grow the airport tenant list which will generate additional revenue for the airport there will need to be additional airport infrastructure built. Its typical for public entities and municipalities to erect hangar space. We have a lack of this space readily available.

**Financing Sources** **Paying Fund:** BCTIFA

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
BCTIFA	\$1,000,000	\$1,500,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$10,500,000
AF	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000		\$500,000
SF	\$250,000	\$500,000	\$250,000	\$500,000	\$250,000		\$1,750,000
FF	\$200,000	\$100,000	\$200,000	\$100,000	\$200,000		\$800,000
<b>Total</b>	<b>\$1,550,000</b>	<b>\$2,200,000</b>	<b>\$2,550,000</b>	<b>\$2,700,000</b>	<b>\$2,550,000</b>	<b>\$2,000,000</b>	<b>\$13,550,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**BCTIFA**

**Project Title:** Airport Maintenance **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Hangar improvements ; Runway improvements ; Apron improvements; Taxiway improvements; misc

**Project Justification:** Needed to maintain what we have and to continue to attract new.

**Financing Sources** **Paying Fund:** BCTIFA

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
BCTIFA	\$500,000	\$250,000	\$500,000	\$250,000	\$500,000	\$250,000	\$2,250,000
AF	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000		\$1,000,000
SF	\$100,000	\$200,000	\$100,000	\$300,000	\$200,000		\$900,000
FF	\$200,000	\$100,000	\$200,000	\$100,000	\$200,000		\$800,000
<b>Total</b>	<b>\$1,000,000</b>	<b>\$750,000</b>	<b>\$1,000,000</b>	<b>\$850,000</b>	<b>\$1,100,000</b>	<b>\$250,000</b>	<b>\$4,950,000</b>

**BCTIFA**

**Project Title:** Airport Retention Support **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Support for capital site improvement projects for companies at the airport

**Project Justification:** Retention of our current employers is key. In some instances there are site factors that may impede further expansion

**Financing Sources** **Paying Fund:** BCTIFA

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
BCTIFA	\$1,000,000	\$1,000,000	\$1,000,000	\$500,000	\$500,000	\$500,000	\$4,500,000
AF	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000		\$375,000
							\$0
							\$0
<b>Total</b>	<b>\$1,075,000</b>	<b>\$1,075,000</b>	<b>\$1,075,000</b>	<b>\$575,000</b>	<b>\$575,000</b>	<b>\$500,000</b>	<b>\$4,875,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**BCTIFA**

**Project Title:** Fort Business Retention Support **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Support for capital site improvement projects for existing companies in the FCIP

**Project Justification:** Retention of our current employers is key. In some instances there are site factors that may impede further expansion.

**Financing Sources** **Paying Fund:** BCTIFA

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
BCTIFA	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000	\$4,500,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$750,000</b>	<b>\$750,000</b>	<b>\$750,000</b>	<b>\$750,000</b>	<b>\$750,000</b>	<b>\$750,000</b>	<b>\$4,500,000</b>

**BCTIFA**

**Project Title:** Fort Maintenance **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Road maintenance, resurfacing/paving, beautification, traffic flow improvements; storm water retention; misc

**Project Justification:** Routine upkeep of the park and roads.

**Financing Sources** **Paying Fund:** BCTIFA

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
BCTIFA	\$750,000	\$1,000,000	\$750,000	\$1,000,000	\$750,000	\$1,000,000	\$5,250,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$750,000</b>	<b>\$1,000,000</b>	<b>\$750,000</b>	<b>\$1,000,000</b>	<b>\$750,000</b>	<b>\$1,000,000</b>	<b>\$5,250,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**BCTIFA BRA**

**Project Title:** Corridor Improvements **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Utility extension (water, sewer, electric); property demo; property acquisition; building construction; road and infrastructure improvement; wetland remediation

**Project Justification:** Improving the corridors that lead into the TIFA disctrict are improtant for attracting additional investment into the TIFA and Battle Creek.

**Financing Sources** **Paying Fund:** BCTIFA BRA

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
BCTIFA	\$4,000,000	\$3,000,000	\$3,000,000	\$2,000,000	\$2,000,000	\$1,000,000	\$15,000,000
BRA	\$200,000	\$200,000	\$150,000	\$100,000	\$100,000		\$750,000
SF	\$250,000	\$250,000	\$500,000	\$500,000	\$300,000		\$1,800,000
							\$0
<b>Total</b>	<b>\$4,450,000</b>	<b>\$3,450,000</b>	<b>\$3,650,000</b>	<b>\$2,600,000</b>	<b>\$2,400,000</b>	<b>\$1,000,000</b>	<b>\$17,550,000</b>

**BCTIFA BRA**

**Project Title:** Fort Development **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Non-traditional and traditional transportation improvements; contamination remediation; building construction; infrastructure; property access improvements; wetland remediation

**Project Justification:** There is a need for walkable routes in the Ft. It is dangerous to walk in many areas of the Ft. due to traffic. Traffic mitigation is needed as employment numbers continue to grow. We have a need for specualtive space/incubation/warehouse space. Creating a business friendly environmewnt.

**Financing Sources** **Paying Fund:** BCTIFA BRA

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
BCTIFA	\$1,500,000	\$1,500,000	\$1,500,000	\$1,000,000	\$1,000,000	\$750,000	\$7,250,000
BRA	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000		\$1,000,000
							\$0
							\$0
<b>Total</b>	<b>\$1,700,000</b>	<b>\$1,700,000</b>	<b>\$1,700,000</b>	<b>\$1,200,000</b>	<b>\$1,200,000</b>	<b>\$750,000</b>	<b>\$8,250,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Engineering**

**Project Title:** 24th & Gethings Rd chip sealing **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** The chipsealing is for 24th between Columbia Ave. and Gethings Rd. and Gethings Road between 24th and Helmer Road. This is federally funded for 80% and requires a 20% match.

**Project Justification:** The roadway will require this treatment at this point in the pavement life.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
FF	\$51,000						\$51,000
MLSCPF	\$12,750						\$12,750
							\$0
							\$0
<b>Total</b>	\$63,750	\$0	\$0	\$0	\$0	\$0	\$63,750

**Engineering**

**Project Title:** Bridge Maintenance Program **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** This program is for routine maintenance of our bridges.

**Project Justification:** This will prevent more costly treatments in the future.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
MLSCPF	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
							\$0
							\$0
							\$0
<b>Total</b>	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000



**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Engineering**

**Project Title:** Capital Ave Resurfacing **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** The resurfacing of Capital Ave from Beckley Rd to the City Limits.. This is federally funded for 80% and requires a 20% match.

**Project Justification:** The roadway will require this treatment at this point in the pavement life.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects

Funding Source	Funds						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FF			\$226,218				\$226,218
MLSCPF			\$50,162				\$50,162
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$276,380	\$0	\$0	\$0	\$276,380

**Engineering**

**Project Title:** Elm St. chip sealing **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** The resurfacing of Elm St. from Michigan to Mary St. This is federally funded for 80% and requires a 20% match.

**Project Justification:** The roadway will require this treatment at this point in the pavement life.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects

Funding Source	Funds						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FF		\$22,355					\$22,355
MLSCPF		\$4,957					\$4,957
							\$0
							\$0
<b>Total</b>	\$0	\$27,312	\$0	\$0	\$0	\$0	\$27,312

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Engineering**

**Project Title:** Glen Cross Road Resurfacing **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** The resurfacing of Glen Cross Road from Capital Ave. to M-66.. This is federally funded for 80% and requires a 20% match.

**Project Justification:** The roadway will require this treatment at this point in the pavement life.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
FF		\$213,285					\$213,285
MLSCPF		\$47,295					\$47,295
							\$0
							\$0
<b>Total</b>	\$0	\$260,580	\$0	\$0	\$0	\$0	\$260,580

**Engineering**

**Project Title:** Hamblin Ave. Skip patching **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** The skip patching is from Washington Ave. to M-66. This is federally funded for 80% and requires a 20% match.

**Project Justification:** The roadway will require this treatment at this point in the pavement life.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
FF	\$40,100						\$40,100
MLSCPF	\$8,494						\$8,494
							\$0
							\$0
<b>Total</b>	\$48,594	\$0	\$0	\$0	\$0	\$0	\$48,594

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Engineering**

**Project Title:** Helmer Road St. Resurfacing **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** The resurfacing of Helmer Rd. from Gethings to Columbia Ave.. This is federally funded for 80% and requires a 20% match.

**Project Justification:** The roadway will require this treatment at this point in the pavement life.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects

Funding Source	Funds						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FF	\$236,497						\$236,497
MLSCPF	\$59,150						\$59,150
							\$0
							\$0
<b>Total</b>	<b>\$295,647</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$295,647</b>

**Engineering**

**Project Title:** Hot in place program **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** The program consists of a treatment to recycle the existing bituminous in place for several City roads throughout town. The program consists of roughly 1.5 miles of roads.

**Project Justification:** The roadway will require this treatment at this point in the pavement life.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects

Funding Source	Funds						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
MLSCPF	\$138,000						\$138,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$138,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$138,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Engineering**

**Project Title:** Intersection Modernization of Capital and Michigan Ave **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** This is the installation of a new traffic signal at Capital Ave. and Michigan Ave. with Federal funds of 100%. The signal is past the useful life and in need of new equipment

**Project Justification:** The signal is past the useful life and in need of new equipment.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
FF		\$325,000					\$325,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$325,000	\$0	\$0	\$0	\$0	\$325,000

**Engineering**

**Project Title:** Intersection Modernization of Capital Ave & Jackson **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** This is the installation of a new traffic signal at Capital Ave. and Jackson St. with Federal funds of 100%

**Project Justification:** The signal is past the useful life and in need of new equipment.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
FF	\$325,000						\$325,000
							\$0
							\$0
							\$0
<b>Total</b>	\$325,000	\$0	\$0	\$0	\$0	\$0	\$325,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Engineering**

**Project Title:** Intersection Modernization of Capital Ave & Van Buren **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** This is the installation of a new traffic signal at Capital Ave and Van Buren St. with Federal funds. The signal is past the useful life and in need of new equipment

**Project Justification:** The signal is past the useful life and in need of new equipment.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
FF			\$325,000				\$325,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$325,000	\$0	\$0	\$0	\$325,000

**Engineering**

**Project Title:** Jackson St. and Stringham Road chip sealing **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** The chipsealing on Jackson St. is between Angel St. and Stringham Road excepting out the City of Springfield property and Stringham Road between Jackson St. and Michigan Ave.. This is federally funded for 80% and requires a 20% match.

**Project Justification:** The roadway will require this treatment at this point in the pavement life.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
FF	\$198,527						\$198,527
MLSCPF	\$46,240						\$46,240
							\$0
							\$0
<b>Total</b>	\$244,767	\$0	\$0	\$0	\$0	\$0	\$244,767

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Engineering**

**Project Title:** Kendall St. Resurfacing **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** The resurfacing of Kendall St from Dickman Rd to Michigan Ave.. This is federally funded for 80% and requires a 20% match.

**Project Justification:** The roadway will require this treatment at this point in the pavement life.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
FF	\$138,000						\$138,000
MLSCPF	\$30,600		\$30,600				\$61,200
							\$0
							\$0
<b>Total</b>	\$168,600	\$0	\$30,600	\$0	\$0	\$0	\$199,200

**Engineering**

**Project Title:** Lafayette St. reconstruction **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** The reconstruction of Lafayette St between West City limits and Angel St. This is State funded for 80% and requires a 20% match.

**Project Justification:** The roadway will require this treatment at this point in the pavement life.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
State	\$165,000						\$165,000
MLSCPF	\$41,000						\$41,000
							\$0
							\$0
<b>Total</b>	\$206,000	\$0	\$0	\$0	\$0	\$0	\$206,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Engineering**

**Project Title:** Meachem Ave. chip sealing **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** The chipsealing of Meachem Ave. between Upton Ave. and Capital Ave.. This is federally funded for 80% and requires a 20% match.

**Project Justification:** The roadway will require this treatment at this point in the pavement life.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
FF		\$53,300					\$53,300
MLSCPF		\$11,819					\$11,819
							\$0
							\$0
<b>Total</b>	\$0	\$65,119	\$0	\$0	\$0	\$0	\$65,119

**Engineering**

**Project Title:** Micro Surfacing & Chip Seal & Crack fill Contract **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** This treatment seals asphalt roads. This program will chip seal, microseal, crackfill and fogseal based on the condition of the roads treated.

**Project Justification:** This will prevent more costly treatments in the future.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
MLSCPF	\$1,013,138	\$1,473,435	\$1,882,242	\$1,272,080	\$1,337,891	\$941,600	\$7,920,386
							\$0
							\$0
							\$0
<b>Total</b>	\$1,013,138	\$1,473,435	\$1,882,242	\$1,272,080	\$1,337,891	\$941,600	\$7,920,386

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Engineering**

**Project Title:** North Ave. chip sealing **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** The chipsealing of North Ave. from Roosevelt to Coolidge. This is federally funded for 80% and requires a 20% match.

**Project Justification:** The roadway will require this treatment at this point in the pavement life.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects

Funding Source	Funds						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FF		\$41,900					\$41,900
MLSCPF		\$9,292					\$9,292
							\$0
							\$0
<b>Total</b>	\$0	\$51,192	\$0	\$0	\$0	\$0	\$51,192

**Engineering**

**Project Title:** Pavement Replacement Program **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** This treatment is required for noncurbed roads that are in very poor condition.

**Project Justification:** This is required to keep the road safe for driving.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects

Funding Source	Funds						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
MLSCPF	\$552,145		\$51,600				\$603,745
							\$0
							\$0
							\$0
<b>Total</b>	\$552,145	\$0	\$51,600	\$0	\$0	\$0	\$603,745



**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Engineering**

**Project Title:** Resurface Main St. **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** The resurfacing of Main St. from Mary St. to the south City limits and from M-66 to Hamblin Ave. This is federally funded for 80% and requires a 20% match.

**Project Justification:** The roadway will require this treatment at this point in the pavement life.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects

Funding Source	Funds						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FF			\$158,879				\$158,879
MLSCPF			\$35,211				\$35,211
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$194,090	\$0	\$0	\$0	\$194,090

**Engineering**

**Project Title:** Resurfacing Program **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** This program consists of the resurfacing treatment of curbed roads City wide. This program is a maintenance program designed to preserve the useful life of existing roads.

**Project Justification:** This treatment is required to prevent more costly treatments in the future for these existing streets.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects

Funding Source	Funds						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
MLSCPF	\$552,775	\$446,737	\$538,493	\$928,724	\$706,910	\$687,500	\$3,861,139
BCTIFA	\$463,925	\$454,300	\$173,166				\$1,091,391
							\$0
							\$0
<b>Total</b>	\$1,016,700	\$901,037	\$711,659	\$928,724	\$706,910	\$687,500	\$4,952,530

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Engineering**

**Project Title:** Roosevelt chip sealing **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** The chipsealing of Roosevelt Ave. between Garrison Ave. and Goodale Ave.. This is federally funded for 80% and requires a 20% match.

**Project Justification:** The roadway will require this treatment at this point in the pavement life.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
FF		\$57,668					\$57,668
MLSCPF		\$12,787					\$12,787
							\$0
							\$0
<b>Total</b>	\$0	\$70,455	\$0	\$0	\$0	\$0	\$70,455

**Engineering**

**Project Title:** Union St. chip seal **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** The chipsealing of Union St from Michigan Ave. to Van Buren St.. This is federally funded for 80% and requires a 20% match.

**Project Justification:** The roadway will require this treatment at this point in the pavement life.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
FF			\$32,950				\$32,950
MLSCPF			\$7,306				\$7,306
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$40,256	\$0	\$0	\$0	\$40,256

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Engineering**

**Project Title:** Upton Ave. chip sealing **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** The chipsealing of Upton Ave. between Angell St. and Kedzie Court. This is federally funded for 80% and requires a 20% match.

**Project Justification:** The roadway will require this treatment at this point in the pavement life.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
Funding Source Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
FF		\$35,500					\$35,500
MLSCPF		\$7,873					\$7,873
							\$0
							\$0
<b>Total</b>	\$0	\$43,373	\$0	\$0	\$0	\$0	\$43,373

**Traffic Engineering**

**Project Title:** Traffic Signal Modernization, Capital @ Jackson **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Traffic Signal Modernization, Capital Ave. S.W. @ Jackson St. New traffic signal controller, new traffic signal faces, new pedestrian signal faces, replacement of mast arm structures.

**Project Justification:** This is one of the oldest signals in the City. Mast arms have a limited life as they are susceptible to metal fatigue. This signal's equipment is among the oldest in the city.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
Funding Source Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
CMAQ	\$325,000						\$325,000
A51	\$30,000						\$30,000
							\$0
							\$0
<b>Total</b>	\$355,000	\$0	\$0	\$0	\$0	\$0	\$355,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Traffic Engineering**

**Project Title:** Traffic Signal Modernization, Capital @ Michigan **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Traffic Signal Modernization, Capital Ave. @ Michigan Ave. New traffic signal controller, new traffic signal faces, new pedestrian signal faces, replacement of mast arm structures.

**Project Justification:** This is one of the oldest signals in the City. Mast arms have a limited life as they are susceptible to metal fatigue. This signal's equipment is among the oldest in the city.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** **Funds**

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
CMAQ		\$325,000					\$325,000
A51		\$30,000					\$30,000
							\$0
							\$0
<b>Total</b>	\$0	\$355,000	\$0	\$0	\$0	\$0	\$355,000

**Traffic Engineering**

**Project Title:** Traffic Signal Modernization, Capital @ Van Buren **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Traffic Signal Modernization, Capital Ave. N.E. @ Van Buren St. New traffic signal controller, new traffic signal faces, new pedestrian signal faces, replacement of mast arm structures.

**Project Justification:** This is one of the oldest signals in the City. Mast arms have a limited life as they are susceptible to metal fatigue. This signal's equipment is among the oldest in the city, and should be upgraded to reflect changing traffic demands.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** **Funds**

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
CMAQ			\$325,000				\$325,000
A51			\$30,000				\$30,000
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$355,000	\$0	\$0	\$0	\$355,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Wastewater**

**Project Title:** Interceptor Rehabilitation Project **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Rehabilitate the interceptor sewer between the four industrial contract industries and the WWTP.

**Project Justification:** The interceptor provides service to the City's four major industries in the central business district. All of the sewer is at least 50 years old and is deteriorated. The sewer network beyond the interceptor is also in various stages of aging and needs to be rehabilitated or replaced.

**Financing Sources** **Paying Fund:** Sewer Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WWF		\$1,300,000	\$1,300,000	\$225,000	\$225,000	\$225,000	\$3,275,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$1,300,000	\$1,300,000	\$225,000	\$225,000	\$225,000	\$3,275,000

**Wastewater**

**Project Title:** Sewer Replacement - Street Program **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replacement of sewer mains, force mains, or service pipes per DEQ approved management plan.

**Project Justification:** This work is in conjunction with planned street work and the treatment plan developed through the DEQ SAW Grant.

**Financing Sources** **Paying Fund:** Sewer Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WWF	\$675,000	\$675,000	\$1,375,000	\$1,575,000	\$525,000	\$1,335,000	\$6,160,000
							\$0
							\$0
							\$0
<b>Total</b>	\$675,000	\$675,000	\$1,375,000	\$1,575,000	\$525,000	\$1,335,000	\$6,160,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Wastewater**

**Project Title:** Solids Handling Improvements **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Maintain and improve solids handling for both Land Application from April thru November and Landfilling off season. This program also includes Headwork's, Primary Treatment and other Plant Facility improvements.

**Project Justification:** Solid waste land application remains the preferred handling process by regulators and the city will continue with this program, but for the winter months solid waste will be hauled to a landfill. This fund will maintain and improve the facilities involved with solid waste handling including Headwork's, Primary Treatment, Domes, Solids and other facilities. The city will continue to explore new technologies to create energy from the waste in an effort to reduce landfilling and to create renewable energy with this fund.

**Financing Sources** **Paying Fund:** Sewer Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WWF	\$525,000	\$410,000	\$2,200,000	\$780,000	\$1,406,000	\$500,000	\$5,821,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$525,000</b>	<b>\$410,000</b>	<b>\$2,200,000</b>	<b>\$780,000</b>	<b>\$1,406,000</b>	<b>\$500,000</b>	<b>\$5,821,000</b>

**Water**

**Project Title:** Pump Replacement **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replacement of high service and booster pumps used to deliver water.

**Project Justification:** Pumps wear out and need to be replaced after approximately 20 years.

**Financing Sources** **Paying Fund:** Water Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WF	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$300,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Water**

**Project Title:** Valve and Hydrant Replacement **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replace the broken and inoperable valves and Hydrants on distribution and transmission lines.

**Project Justification:** Old and inoperable valves cause problems when we have to shut down a section of our distribution system for repairs. Hydrants need to be functional at all times.

**Financing Sources** **Paying Fund:** Water fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WF	\$152,000	\$152,000	\$152,000	\$152,000	\$152,000	\$152,000	\$912,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$152,000</b>	<b>\$152,000</b>	<b>\$152,000</b>	<b>\$152,000</b>	<b>\$152,000</b>	<b>\$152,000</b>	<b>\$912,000</b>

**Water**

**Project Title:** Water Main & Trans. Line Replacement - Street Program **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replacement of Transmission mains, water mains, hydrants, valves or services in streets that are being rebuilt.

**Project Justification:** This work takes advantage of street being torn up to upgrade our distribution system at the lowest possible cost.

**Financing Sources** **Paying Fund:** Water Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WF	\$2,958,860	\$1,737,250	\$861,250	\$3,399,500	\$1,346,000	\$1,699,250	\$12,002,110
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$2,958,860</b>	<b>\$1,737,250</b>	<b>\$861,250</b>	<b>\$3,399,500</b>	<b>\$1,346,000</b>	<b>\$1,699,250</b>	<b>\$12,002,110</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Water**

**Project Title:** Water Service Replacement and Restoration **Proposed to be funded?:** Yes

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Water service replacement.

**Project Justification:** Replacing Pb, galvanized and other poor conditioned service connecting pipe

**Financing Sources** **Paying Fund:** Water Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WF	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,800,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$1,800,000</b>

**Airport**

**Project Title:** Snow Removal equipment - HB Series Plow Truck #3 **Proposed to be funded?:** Yes

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Purchase a large 4x4 airport plow vehicle with underbody, multipurpose bed, to remove snow from runways, taxiways and aprons. This represents a 10 year lease to own. Lease begins in 09-10 and ends in 18-19.

**Project Justification:** REPLACEMENT VEHICLE for a 1983 Sweepster pull-behind broom. The snow removal equipment currently in use has exceeded its useful life and requires frequent maintenance when in use. The new equipment is twice as efficient as the equipment it is replacing.

**Financing Sources** **Paying Fund:** W.K. Kellogg Airport Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
BCTIFA	\$44,924						\$44,924
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$44,924</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$44,924</b>



**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**BCTIFA**

**Project Title:** Fort Land/ Building Acquisition **Proposed to be funded?:** Yes

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Acquire strategic properties owned within the Ft. to maximize new development; Acquire existing facilities within the Ft. when appropriate or available to facilitate storage requirements that support existing companies and support incubation efforts

**Project Justification:** There is a need for incubation space (all space is occupied or under private control). Additionally there is a huge need for storage space to meet our existing companies needs. This would create a favorable business climate for existing tenants and new ones.

**Financing Sources** **Paying Fund:** BCTIFA

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
BCTIFA	\$1,500,000	\$1,500,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$11,000,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$1,500,000</b>	<b>\$1,500,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$11,000,000</b>

**BCTIFA**

**Project Title:** Infrastructure Development **Proposed to be funded?:** Yes

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Non-traditional next generation infrastructure (IoT, Utility projects, Solar, etc.)

**Project Justification:** To stay competitive there is a need to invest in non-traditional next generation investment. This will help retain current employers and attract additional employers. Employers utilizing next generation infrastructure tend to pay higher wages.

**Financing Sources** **Paying Fund:** BCTIFA

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
BCTIFA	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$6,000,000
SF	\$100,000	\$150,000	\$100,000	\$150,000	\$100,000		\$600,000
							\$0
							\$0
<b>Total</b>	<b>\$1,100,000</b>	<b>\$1,150,000</b>	<b>\$1,100,000</b>	<b>\$1,150,000</b>	<b>\$1,100,000</b>	<b>\$1,000,000</b>	<b>\$6,600,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**BCTIFA BRA**

**Project Title:** Shovel Ready Site Preparation **Proposed to be funded?:** Yes

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Evaluating additional available land and prepare it for future use by balancing it; conducting environmental reports; conducting geotechnical reports; configuring land to maximize its use; installing retention ponds and necessary infrastructure

**Project Justification:** In order to compete globally we need to move at the speed of business. Having an inventory of various sized lots is critical to marketing Battle Creek as place to locate a new business. Prepared sites will also benefit existing companies expand in Battle Creek instead of other places.

**Financing Sources** **Paying Fund:** BCTIFA BRA

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
BCTIFA	\$4,000,000	\$4,000,000	\$3,000,000	\$3,000,000	\$2,000,000	\$2,000,000	\$18,000,000
BRA	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000		\$1,250,000
							\$0
							\$0
<b>Total</b>	<b>\$4,250,000</b>	<b>\$4,250,000</b>	<b>\$3,250,000</b>	<b>\$3,250,000</b>	<b>\$2,250,000</b>	<b>\$2,000,000</b>	<b>\$19,250,000</b>

**Information Technology**

**Project Title:** Datacenter Refresh Project **Proposed to be funded?:** Yes

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** In FY 2018 our SAN and host servers will reach end of support from the manufacturer. We will need to replace this primary storage (disk) that houses all city data and all servers used to run our virtual infrastructure.

**Project Justification:** The SAN houses all corporate data and the organization encounters risk if it is not supported by the manufacturer. The host servers provide the compute resources necessary to run all server instances. Replacing this hardware allows the City to have the hardware under vendor support, thereby significantly reducing the risk presented by hardware failures and software security flaws.

**Financing Sources** **Paying Fund:** Information Technology Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
ITF	\$180,000						\$180,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$180,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$180,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Transit**

**Project Title:** Large Bus Replacement - 2 vehicles **Proposed to be funded?:** Yes

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replacement of two (2) large buses used to provide regular route bus service by Battle Creek Transit.

**Project Justification:** The buses to be replaced will have exceeded their service life at the time of replacement. Transit has a mix of medium duty and heavy duty buses with some being low floor for better access and some not. Our goal for replacement was to have the majority of the fleet medium duty low floor buses, but we cannot find a suitable medium duty low floor bus to meet our operational needs. We are using Federal and State funding to purchase two (2) HEAVY duty low floor buses.

**Financing Sources** **Paying Fund:** Battle Creek Transit Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FF	\$621,734						\$621,734
SF		\$155,434					\$155,434
							\$0
							\$0
<b>Total</b>	<b>\$621,734</b>	<b>\$155,434</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$777,168</b>

**Transit**

**Project Title:** Master Plan Study **Proposed to be funded?:** Yes

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Development of a comprehensive transit master plan to improve the effectiveness and responsiveness of public transportation to the Battle Creek service area.

**Project Justification:** Battle Creek Transit has not conducted a comprehensive planning study since 2009. Battle Creek Transit wishes to develop a master plan that will improve the effectiveness and responsiveness of public transit to the Battle Creek service area, ensures that we meet all new Federal and State requirements, and identifies future service needs.

**Financing Sources** **Paying Fund:** Battle Creek Transit Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
SF	\$150,000						\$150,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$150,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$150,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Transit**

**Project Title:** Van Replacement **Proposed to be funded?:** Yes

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replacement of (1) Battle Creek Transit's Tele-Transit van used in demand response service. The new vehicle will be propane fueled.

**Project Justification:** Because we provide regular bus service it is Federally mandated that we provide complimentary para-transit service which is what this vehicle would be used for. The vehicle to be replaced will have exceeded it's required service life at the time of replacement.

**Financing Sources** **Paying Fund:** Battle Creek Transit Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
CMAQ			\$64,000				\$64,000
SF				\$16,000			\$16,000
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$64,000	\$16,000	\$0	\$0	\$80,000

**Wastewater**

**Project Title:** Lift Station Replacement **Proposed to be funded?:** Yes

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Sewer lift stations improvements or replacement.

**Project Justification:** Several lift stations have metal wet wells that have corroded and the other components have exceeded their life expectancies. They also need electrical updates and generators for electrical outages.

**Financing Sources** **Paying Fund:** Sewer Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WWF	\$380,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$2,130,000
							\$0
							\$0
							\$0
<b>Total</b>	\$380,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$2,130,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Wastewater**

**Project Title:** Meter Replacement - Wastewater **Proposed to be funded?:** Yes

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Incremental replacement of water meter read system components. Also meters for new customers.

**Project Justification:** Meters read system components gradually wear out. This is costing both the water and sewer funds revenue.

**Financing Sources** Paying Fund: Sewer Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WWF	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$600,000</b>

**Water**

**Project Title:** Meter Replacement - Water **Proposed to be funded?:** Yes

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Incremental replacement of water meter read system components. Also meters for new customers.

**Project Justification:** Meters read system components gradually wear out. This is costing both the water and sewer funds revenue.

**Financing Sources** Paying Fund: Water Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WF	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$600,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Water**

**Project Title:** Water Tank Rehab **Proposed to be funded?:** Yes

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Repaint the interior and exterior of our various water storage tanks.

**Project Justification:** Maintenance of our storage tanks is necessary approximately every 15 years to prolong their life.

**Financing Sources** **Paying Fund:** Water Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WF	\$0	\$290,000	\$595,000	\$350,500	\$844,500	\$82,000	\$2,162,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$290,000	\$595,000	\$350,500	\$844,500	\$82,000	\$2,162,000

**Water**

**Project Title:** Well Maintenance **Proposed to be funded?:** Yes

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Maintenance and repair of the wells and pumping equipment.

**Project Justification:** The wells and pumps used to provide the water for the system need various kinds of maintenance every 3 to 10 years.

**Financing Sources** **Paying Fund:** Water Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WF	\$620,000	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	\$1,720,000
							\$0
							\$0
							\$0
<b>Total</b>	\$620,000	\$220,000	\$220,000	\$220,000	\$220,000	\$220,000	\$1,720,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Equipment Center**

Project Title: **Cars** Proposed to be funded?: **Yes**

Priority: **3** Meets Master Plan?: **Yes** New Project?: **No**

Project Description:

Project Justification:

Financing Sources Paying Fund: Equipment Center Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
ECF	\$286,285	\$271,157	\$63,142	\$112,759	\$362,821	\$236,203	\$1,332,367
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$286,285</b>	<b>\$271,157</b>	<b>\$63,142</b>	<b>\$112,759</b>	<b>\$362,821</b>	<b>\$236,203</b>	<b>\$1,332,367</b>

**Equipment Center**

Project Title: **Compact Vans** Proposed to be funded?: **Yes**

Priority: **3** Meets Master Plan?: **Yes** New Project?: **No**

Project Description:

Project Justification:

Financing Sources Paying Fund: Equipment Center Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
ECF	\$54,253	\$25,386				\$28,008	\$107,647
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$54,253</b>	<b>\$25,386</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$28,008</b>	<b>\$107,647</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Equipment Center**

Project Title: Full Size Vans Proposed to be funded?: Yes

Priority: 3 Meets Master Plan?: Yes New Project?: No

Project Description: Replace depreciated vehicles or new vehicles to assist user departments with their work tasks.

Project Justification: Maintain a safe efficient fleet.

Financing Sources Paying Fund: Equipment Center Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
ECF		\$29,320		\$64,960			\$94,280
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$29,320	\$0	\$64,960	\$0	\$0	\$94,280

**Equipment Center**

Project Title: Heavy Duty Trucks Proposed to be funded?: Yes

Priority: 3 Meets Master Plan?: Yes New Project?: No

Project Description: Replace depreciated vehicles or new vehicles to assist user departments with their work tasks.

Project Justification: Maintain a safe efficient fleet.

Financing Sources Paying Fund: Equipment Center Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
ECF	\$741,900	\$820,822	\$1,137,820	\$771,760	\$707,980	\$727,640	\$4,907,922
							\$0
							\$0
							\$0
<b>Total</b>	\$741,900	\$820,822	\$1,137,820	\$771,760	\$707,980	\$727,640	\$4,907,922



**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Equipment Center**

Project Title: **Heavy Equipment** Proposed to be funded?: **Yes**

Priority: **3** Meets Master Plan?: **Yes** New Project?: **No**

Project Description: Replace depreciated vehicles or new vehicles to assist user departments with their work tasks.

Project Justification: Maintain a safe efficient fleet.

Financing Sources Paying Fund: Equipment Center Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
ECF	\$465,600	\$539,370	\$692,149	\$227,911	\$219,767	\$105,135	\$2,249,932
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$465,600</b>	<b>\$539,370</b>	<b>\$692,149</b>	<b>\$227,911</b>	<b>\$219,767</b>	<b>\$105,135</b>	<b>\$2,249,932</b>

**Equipment Center**

Project Title: **Light Duty Trucks** Proposed to be funded?: **Yes**

Priority: **3** Meets Master Plan?: **Yes** New Project?: **No**

Project Description: Replace depreciated vehicles or new vehicles to assist user departments with their work tasks.

Project Justification: Maintain a safe efficient fleet.

Financing Sources Paying Fund: Equipment Center Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
ECF	\$329,083	\$408,431	\$239,992	\$409,115	\$162,940	\$148,654	\$1,698,215
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$329,083</b>	<b>\$408,431</b>	<b>\$239,992</b>	<b>\$409,115</b>	<b>\$162,940</b>	<b>\$148,654</b>	<b>\$1,698,215</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Equipment Center**

Project Title:  Proposed to be funded?:  Yes

Priority:  Meets Master Plan?:  Yes New Project?:  No

Project Description:

Project Justification:

Financing Sources Paying Fund: Equipment Center Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
ECF	\$648,200	\$302,210	\$117,745	\$63,864	\$193,402	\$38,833	\$1,364,254
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$648,200</b>	<b>\$302,210</b>	<b>\$117,745</b>	<b>\$63,864</b>	<b>\$193,402</b>	<b>\$38,833</b>	<b>\$1,364,254</b>

**Equipment Center**

Project Title:  Proposed to be funded?:  Yes

Priority:  Meets Master Plan?:  Yes New Project?:  No

Project Description:

Project Justification:

Financing Sources Paying Fund: Equipment Center Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
ECF	\$159,619	\$397,522	\$133,442	\$194,256	\$39,850		\$924,689
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$159,619</b>	<b>\$397,522</b>	<b>\$133,442</b>	<b>\$194,256</b>	<b>\$39,850</b>	<b>\$0</b>	<b>\$924,689</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Equipment Center**

**Project Title:** Parking Lot Restoration **Proposed to be funded?:** Yes

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Restore DPW parking in three sections over three Years

**Project Justification:** Restore existing deteriorated parking lots.

**Financing Sources** **Paying Fund:** Equipment Center Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
ECF	\$80,000	\$70,000	\$70,000				\$220,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$80,000</b>	<b>\$70,000</b>	<b>\$70,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$220,000</b>

**Equipment Center**

**Project Title:** SUVs **Proposed to be funded?:** Yes

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replace depreciated vehicles or new vehicles to assist user departments with their work tasks.

**Project Justification:** Maintain a safe efficient fleet.

**Financing Sources** **Paying Fund:** Equipment Center Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
ECF	\$62,006	\$192,293	\$446,919	\$300,321	\$200,847	\$169,110	\$1,371,496
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$62,006</b>	<b>\$192,293</b>	<b>\$446,919</b>	<b>\$300,321</b>	<b>\$200,847</b>	<b>\$169,110</b>	<b>\$1,371,496</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Equipment Center**

**Project Title:** Trailers/Pulled Equipment **Proposed to be funded?:** Yes

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replace depreciated vehicles or new vehicles to assist user departments with their work tasks.

**Project Justification:** Maintain a safe efficient fleet.

**Financing Sources** **Paying Fund:** Equipment Center Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
ECF	\$115,171		\$51,953	\$4,992		\$52,700	\$224,816
							\$0
							\$0
							\$0
<b>Total</b>	\$115,171	\$0	\$51,953	\$4,992	\$0	\$52,700	\$224,816

**Information Technology**

**Project Title:** Thin Client Replacement Project **Proposed to be funded?:** Yes

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** This project replaces all outdated and poorly-performing thin clients with traditional desktop PCs.

**Project Justification:** To prepare for the Datacenter Refresh Project in autumn of 2018, thin clients must be replaced across all City locations. This project will reduce the amount of hardware needed for the datacenter and return to the City to a more easily-managed traditional desktop architecture.

**Financing Sources** **Paying Fund:** Information Technology Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
ITF	\$100,000						\$100,000
							\$0
							\$0
							\$0
<b>Total</b>	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Transit**

**Project Title:** Interior Security Cameras at BCT **Proposed to be funded?:** Yes

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Purchase and install interior security cameras for Battle Creel Transit facilities located 339 W. Michigan Ave, 20 Cass St, and 345 W Michigan Ave.

**Project Justification:** Battle Creek Transit will install interior security cameras on its main properties at 339 W. Michigan Avenue, 20 Cass St, and 345 W. Michigan Ave. The Federal Transit Administration requires Battle Creek Transit to spend 1% of the operating assistance on security.

**Financing Sources** **Paying Fund:** Battle Creek Transit Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
SF	\$25,220						\$25,220
							\$0
							\$0
							\$0
<b>Total</b>	\$25,220	\$0	\$0	\$0	\$0	\$0	\$25,220

**Transit**

**Project Title:** Intermodal Roof Replacement **Proposed to be funded?:** Yes

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replacement of entire roof including sub-roof as needed.

**Project Justification:** The roof has met its useful life and has to be repaired and is need of replacement.

**Financing Sources** **Paying Fund:** ITC

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
SF	\$124,000						\$124,000
							\$0
							\$0
							\$0
<b>Total</b>	\$124,000	\$0	\$0	\$0	\$0	\$0	\$124,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Transit**

**Project Title:** Rehab/Renovate Bus Wash/Cleaning Bay **Proposed to be funded?:** Yes

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Repair/replace main washing and plumbing equipment.

**Project Justification:** Battle Creek Transit has been at its current location since 1995. The main equipment and plumbing in the current wash bay/cleaning area for transit vehicles requires repair/upgrading/replacement.

**Financing Sources** **Paying Fund:** Battle Creek Transit Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
SF	\$65,000						\$65,000
							\$0
							\$0
							\$0
<b>Total</b>	\$65,000	\$0	\$0	\$0	\$0	\$0	\$65,000

**Transit**

**Project Title:** Transit Admin Building upgrade **Proposed to be funded?:** Yes

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Battle Creek Transit will remodel / rehab our administrative building to include replacement of carpet and/or tile on all floors, painting of the interior of building, and upgrading of electrical capacity of building by adding circuits / wiring as needed.

**Project Justification:** Battle Creek Transit's administrative building has not had it's interior painted or carpeting/tile replaced in almost 20 years. Due to the structure of the building and limitations of adding additional offices in the future if needed, Battle Creek Transit continues to work within its current means to utilize its space and its electrical capacity to the best of our ability. With this said, we are almost maxed out of our electrical capability and havng the ability to upgrade this capacity would ensure safety for our facility.

**Financing Sources** **Paying Fund:** Battle Creek Transit Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
SF	\$114,000						\$114,000
							\$0
							\$0
							\$0
<b>Total</b>	\$114,000	\$0	\$0	\$0	\$0	\$0	\$114,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Wastewater**

**Project Title:** As Built Mapping of Sewer System **Proposed to be funded?:** Yes

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Conversion of all our record drawings in Engineering to a CAD system and keep up with current project as-built. Correct GIS and other records as needed.

**Project Justification:** Needed to replace the current multiple sources of record drawings with a computer set of as built drawings available for locating system components and engineering future expansion projects.

**Financing Sources** Paying Fund: Sewer Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WWF	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$300,000</b>

**Water**

**Project Title:** As Built Mapping of Water System **Proposed to be funded?:** Yes

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Conversion of all our record drawings in Engineering to a CADD system.

**Project Justification:** Needed to replace the current jumble of record drawings with a computer set of as built drawings available for locating system components and engineering future expansion projects.

**Financing Sources** Paying Fund: Water Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WF	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$300,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Airport**

**Project Title:** Construction for Reconstruction of East T-Hangar Area **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** This project will include the reconstruction of the pavement used to access and maneuver around the East T-Hangar Area.

**Project Justification:** While not included in the airport's PCI report, this area is in poor condition. It exhibits several load and weather related distresses such as rutting, fatigue cracking, block cracking, raveling, heaving, patching, and weathering. Its is anticipated that this pavement will service only aircraft 12,500lbs and less.

**Financing Sources** **Paying Fund:** W.K. Kellogg Airport Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FF						\$741,600	\$741,600
SF						\$41,200	\$41,200
BCTIFA						\$41,200	\$41,200
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$824,000	\$824,000

**Airport**

**Project Title:** Construction for Reconstruction of Taxiway F **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** This project will include the reconstruction and realignment of Taxiway F from Runway 5L to the Air National Guard (ANG) South Apron.

**Project Justification:** It is expected the apron will be owned by the airport at the time of this project. Due to the primary runway being 10,004 feet long and the presence of the Air National Guard Base as well as other significant industry around the airport, the airport occasionally draws larger (TDG 5) aircraft. Most of the taxiways at the airport are 50' wide and there is currently only one way for TDG 5 aircraft to get off the primary runway (TWY A). Taxiway F will be used to access the South Apron to park these occasional larger aircraft. These pavements were identified in the last pavement condition index survey (2014) as being some of the poorest on the airfield. At that time Taxiway F was rated a 30, which is well below minimum service condition. This project also includes the replacement of the edge lighting along Taxiway F.

**Financing Sources** **Paying Fund:** W.K. Kellogg Airport Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FF						\$3,020,100	\$3,020,100
SF						\$167,500	\$167,500
BCTIFA						\$1,222,000	\$1,222,000
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$4,409,600	\$4,409,600



**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Airport**

**Project Title:** Construction for Rehab Twy C Phase III & Twy E Conn **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** This phase of the project will include the rehabilitation of the pavement and edge lights on Taxiway C (from RWY 13/31 to TWY A) and Taxiway E (from RWY 5L/23R to TWY C).

**Project Justification:** These pavements were identified in the last pavement condition index survey (2014) as being one of the poorest on the airfield. At that time Taxiway C, from RWY 13/31 to TWY A, was rated a 45, which is well below minimum service condition. These taxiways are also very critical to the airport, as most traffic must transit these taxiways to get to Duncan Aviation (FBO), WMU College of Aviation, or Kellogg's Hangar. Due to the primary runway being 10,004 feet long and the presence of the Air National Guard Base, the airport occasionally draws larger group IV aircraft. Most of the taxiways at the airport are 50' wide and there is currently only one way for group IV aircraft to get off the primary runway (TWY A). This project also includes widening portions of Taxiway C (North of TWY E to TWY A ~1,650') and Taxiway E (from RWY 5L/23R to TWY C) to accommodate a loop ground movement for group IV aircraft. The widening will give Group IV aircraft two access points to/from the runway that meet current design standards, as well as reduce the need to back taxi on the primary runway, thus reducing potential incursions (inspection/safety/certification item). This project also includes the replacement of the edge lighting along Taxiway C and Taxiway E in areas that are scheduled for widening, as the edge lighting has reached the end of its useful life.

**Financing Sources** Paying Fund: W.K. Kellogg Airport Fund

Funding Source	Project Costs					Total	
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023		2023-2024
FF	\$1,862,495	\$1,922,400					\$3,784,895
SF	\$95,139	\$106,800					\$201,939
BCTIFA	\$585,339	\$597,000					\$1,182,339
							\$0
<b>Total</b>	<b>\$2,542,973</b>	<b>\$2,626,200</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,169,173</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Airport**

**Project Title:** Construction for Rehabilitate Taxiway A **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** This project will rehabilitate the pavement and edge lights on taxiway A.

**Project Justification:** The pavement along Taxiway A had a PCI of 48 during the last pavement condition survey (2014). It is expected that by 2019, it will be well below the acceptable minimum service level. The current taxiway lighting has been tested and has very low resistance to ground, which causes sporadic outages. As part of this process, a new medium intensity taxiway light (MITL) system will be installed.

**Financing Sources** **Paying Fund:** W.K. Kellogg Airport Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FF			\$2,962,800	\$2,970,900			\$5,933,700
SF			\$164,600	\$165,050			\$329,650
BCTIFA			\$164,600	\$165,050			\$329,650
							\$0
<b>Total</b>	\$0	\$0	\$3,292,000	\$3,301,000	\$0	\$0	\$6,593,000

**Airport**

**Project Title:** Design for Reconstruction of East T-Hangar Area **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** This project will include the design work for the reconstruction of the pavement used to access and maneuver around the East T-Hangar Area.

**Project Justification:** While not included in the airport's PCI report, this area is in poor condition. It exhibits several load and weather related distresses such as rutting, fatigue cracking, block cracking, raveling, heaving, patching, and weathering. Its is anticipated that this pavement will service only aircraft 12,500lbs and less.

**Financing Sources** **Paying Fund:** W.K. Kellogg Airport Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FF					\$59,400		\$59,400
SF					\$3,300		\$3,300
BCTIFA					\$3,300		\$3,300
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$66,000	\$0	\$66,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Airport**

**Project Title:** Design for Rehab Twy C Phase III & Twy E Conn **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** This phase of the project will include the design work for the rehabilitation of the pavement and edge lights on Taxiway C (from RWY 13/31 to TWY A) and Taxiway E (from RWY 5L/23R to TWY C).

**Project Justification:** These pavements were identified in the last pavement condition index survey (2014) as being one of the poorest on the airfield. At that time Taxiway C, from RWY 13/31 to TWY A, was rated a 45, which is well below minimum service condition. These taxiways are also very critical to the airport, as most traffic must transit these taxiways to get to Duncan Aviation (FBO), WMU College of Aviation, or Kellogg's Hangar. Due to the primary runway being 10,004 feet long and the presence of the Air National Guard Base, the airport occasionally draws larger group IV aircraft. Most of the taxiways at the airport are 50' wide and there is currently only one way for group IV aircraft to get off the primary runway (TWY A). This project also includes widening portions of Taxiway C (North of TWY E to TWY A ~1,650') and Taxiway E (from RWY 5L/23R to TWY C) to accommodate a loop ground movement for group IV aircraft. The widening will give Group IV aircraft two access points to/from the runway that meet current design standards, as well as reduce the need to back taxi on the primary runway, thus reducing potential incursions (inspection/safety/certification item). This project also includes the replacement of the edge lighting along Taxiway C and Taxiway E in areas that are scheduled for widening, as the edge lighting has reached the end of its useful life.

**Financing Sources** Paying Fund: W.K. Kellogg Airport Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FF	\$152,820						\$152,820
SF	\$8,490						\$8,490
BCTIFA	\$52,490						\$52,490
							\$0
<b>Total</b>	<b>\$213,800</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$213,800</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Airport**

**Project Title:** Design for Rehabilitate Taxiway A **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** This project will include the design work for the rehabilitation of the pavement and edge lights on taxiway A.

**Project Justification:** The pavement along Taxiway A had a PCI of 48 during the last pavement condition survey (2014). It is expected that by 2019, it will be well below the acceptable minimum service level. The current taxiway lighting has been tested and has very low resistance to ground, which causes sporadic outages. As part of this process, a new medium intensity taxiway light (MITL) system will be installed.

**Financing Sources** **Paying Fund:** W.K. Kellogg Airport Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FF		\$233,100	\$233,100				\$466,200
SF		\$12,950	\$12,950				\$25,900
BCTIFA		\$12,950	\$12,950				\$25,900
							\$0
<b>Total</b>	\$0	\$259,000	\$259,000	\$0	\$0	\$0	\$518,000

**Airport**

**Project Title:** Design for the reconstruction of Taxiway F **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** This project will include the design work for the reconstruction and realignment of Taxiway F from Runway 5L to the Air National Guard (ANG) South Apron.

**Project Justification:** It is expected the apron will be owned by the airport at the time of this project. Due to the primary runway being 10,004 feet long and the presence of the Air National Guard Base as well as other significant industry around the airport, the airport occasionally draws larger (TDG 5) aircraft. Most of the taxiways at the airport are 50' wide and there is currently only one way for TDG 5 aircraft to get off the primary runway (TWY A). Taxiway F will be used to access the South Apron to park these occasional larger aircraft. These pavements were identified in the last pavement condition index survey (2014) as being some of the poorest on the airfield. At that time Taxiway F was rated a 30, which is well below minimum service condition. This project also includes the replacement of the edge lighting along Taxiway F.

**Financing Sources** **Paying Fund:** W.K. Kellogg Airport Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FF					\$246,695		\$246,695
SF					\$13,705		\$13,705
BCTIFA					\$100,000		\$100,000
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$360,400	\$0	\$360,400

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Airport**

**Project Title:** Snow Removal equipment - HB Series Plow Truck **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Purchase a large 4x4 airport plow vehicle with underbody, to remove snow from runways, taxiways and aprons.

**Project Justification:** REPLACEMENT VEHICLE for a 1988 International 5Yd Dump. The snow removal equipment currently in use has exceeded its useful life and requires frequent maintenance. It can be financed over 10 years with an estimated payment of \$50,000 each year.

**Financing Sources** **Paying Fund:** W.K. Kellogg Airport Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
BCTIFA	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$300,000</b>

**Battle Creek DDA**

**Project Title:** Building Improvement Program **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Assist central business district property owners to enhance buildings.

**Project Justification:** Maintain downtown area as a viable business district and a desirable place to live, work and play.

**Financing Sources** **Paying Fund:** Downtown Development Authority

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
DDA	\$250,000	\$250,000			\$200,000	\$250,000	\$950,000
SF		\$50,000	\$50,000		\$50,000		\$150,000
							\$0
							\$0
<b>Total</b>	<b>\$250,000</b>	<b>\$300,000</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$250,000</b>	<b>\$1,100,000</b>

**City of Battle Creek  
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**Fiscal Year 2019/2024 Proposed  
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Sorted by Funded, Priority, Department

**Battle Creek DDA**

**Project Title:** Downtown Property Acquisition **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Acquire various properties located in the Central Business District for the purpose of demolition and to prepare sites for future development.

**Project Justification:** To improve the aesthetic appearance of downtown.

**Financing Sources** **Paying Fund:** Downtown Development Authority

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
DDA	\$200,000	\$200,000			\$300,000	\$200,000	\$900,000
SF			\$50,000		\$25,000		\$75,000
							\$0
							\$0
<b>Total</b>	<b>\$200,000</b>	<b>\$200,000</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$325,000</b>	<b>\$200,000</b>	<b>\$975,000</b>

**Battle Creek DDA**

**Project Title:** Goguac Lake North end Redevelopment **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Redevelop the north end of Goguac Lake including road improvements to provide a variety of amenities including the addition of sidewalks and trails, streetscape improvements, gateway signage, fishing pier and a privately-operated marina. The redeveloped effort will be facility by the acquisition of various properties located in the target area for the purpose of demolition and to prepare sites for future development.

**Project Justification:** As part of the City's master planning process a subarea plan was developed around the north end of Goguac Lake. The purpose of the subarea plan was to lakeshore-type destination experience within the city limits to better utilize an important water resource. Doing so will allow the city to market Battle Creek as a destination, to increase marketability and bring awareness to the value of the subject water resource, to spur development and increase the tax base on the lake and within the CABID.

**Financing Sources** **Paying Fund:** Downtown Development Authority

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
DDA	\$100,000	\$500,000	\$500,000	\$300,000	\$150,000		\$1,550,000
SF	\$150,000	\$600,000	\$500,000	\$500,000	\$250,000		\$2,000,000
PS	\$50,000	\$400,000	\$200,000	\$100,000	\$100,000	\$300,000	\$1,150,000
							\$0
<b>Total</b>	<b>\$300,000</b>	<b>\$1,500,000</b>	<b>\$1,200,000</b>	<b>\$900,000</b>	<b>\$500,000</b>	<b>\$300,000</b>	<b>\$4,700,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Battle Creek DDA**

**Project Title:** Greenspace and Riverfront Improvements **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Beautify greenspace in the Central Business District and riverfront areas.

**Project Justification:** To enhance recreational offerings in the downtown, support programming and event activities, attract residential development and enhance quality of life.

**Financing Sources** **Paying Fund:** Downtown Development Authority

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
DDA	\$100,000	\$100,000	\$100,000			\$100,000	\$400,000
SF	\$100,000			\$50,000			\$150,000
							\$0
							\$0
<b>Total</b>	<b>\$200,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$100,000</b>	<b>\$550,000</b>

**Battle Creek DDA**

**Project Title:** Streetscape Enhancements **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Sidewalk, lighting, seating amenities in the downtown corridor.

**Project Justification:** To revitalize dilapidated properties in the central business district to spur development and increase the tax base.

**Financing Sources** **Paying Fund:** Downtown Development Authority

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
DDA	\$25,000	\$25,000		\$75,000	\$75,000	\$25,000	\$225,000
SF	\$75,000		\$50,000	\$50,000		\$25,000	\$200,000
							\$0
							\$0
<b>Total</b>	<b>\$100,000</b>	<b>\$25,000</b>	<b>\$50,000</b>	<b>\$125,000</b>	<b>\$75,000</b>	<b>\$50,000</b>	<b>\$425,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Battle Creek DDA**

**Project Title:** Trail Head Development **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Creating specific entry/access points along the linear trail, for example at the convergence of the Battle Creek and Kalamazoo Rivers that encourage use of the path and downtown waterways.

**Project Justification:** To encourage use of the linear path. Create entry and exist points in the downtown, connect with the larger path system in the county and region and encourage recreation and leisure use in the central business district.

**Financing Sources** **Paying Fund:** Downtown Development Authority

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
DDA		\$50,000					\$50,000
SF		\$175,000					\$175,000
							\$0
							\$0
<b>Total</b>	\$0	\$225,000	\$0	\$0	\$0	\$0	\$225,000

**Battle Creek DDA**

**Project Title:** Wayfinding and Gateway Signage **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Signage establishing gateway entry points into the downtown along with landmarks and other key points-of-interest.

**Project Justification:** To attract visitation to the downtown, help delineate boundaries, establish a brand or unique identity for the central business and enhance entry corridors into the downtown.

**Financing Sources** **Paying Fund:** Downtown Development Authority

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
DDA		\$50,000					\$50,000
SF		\$75,000					\$75,000
							\$0
							\$0
<b>Total</b>	\$0	\$125,000	\$0	\$0	\$0	\$0	\$125,000



**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Community Services**

**Project Title:** Closure of Patterson & City Hall PD Campus Parking **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Closure of Patterson & 50 space parking for City Hall & BCPD

**Project Justification:** Construction of new BCPD facility eliminated parking spaces, including 40 spaces needed for City fleet and City Hall employees. The new parking lot will provide needed spaces and allow for overflow resident parking, and will be designed in a way that integrates the new facility and City Hall in a cohesive manner, also allowing space along Division to accommodate future public gathering space and/or future infill development in accordance with the developing campus facility plan.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$225,000						\$225,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$225,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$225,000</b>

**Engineering**

**Project Title:** Battle Creek River Electrical System Replacement **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Remove and replace the outdoor electrical system along the Battle Creek River from Capital Avenue to McCamly Street.

**Project Justification:** Along both sides of the Battle Creek River between Capital Avenue and McCamly Street are conduits, electrical service panels, outlets, and related hardware. This hardware was installed in the late 1980's or early 1990's for lighting and outdoor electrical.

**Financing Sources** **Paying Fund:** DDA

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
DDA	\$125,000						\$125,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$125,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$125,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Engineering**

**Project Title:** Battle Creek River Pedestrian Lighting Upgrade **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Upgrade the "bo-peep" style pedestrian lighting along the Battle Creek River between N McCamly Street and Capital Avenue SW.

**Project Justification:** The pedestrian lighting along the Battle Creek River was upgraded to LED lighting in 2008. The LED technology has advanced significantly since then, now allowing a bolt-up replacement fixture with twice the number of LED's with only a 0.1 amp increase in usage. By upgrading these fixtures this area of the linear path and riverfront will be significantly brighter for pedestrians.

**Financing Sources** **Paying Fund:** DDA

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
DDA	\$50,000						\$50,000
							\$0
							\$0
							\$0
<b>Total</b>	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000

**Engineering**

**Project Title:** Park Electrical Systems Upgrade **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Upgrade the electrical systems in McCamly Park and Claude Evans Park to provide support for recreation activities and special events.

**Project Justification:** The existing electrical systems in McCamly Park and Claude Evans Park are limited. Upgrading these systems will provide better support for recreation activities and special events that use these spaces - Family Day at Claude Evans and the Cereal Festival at McCamly Park are examples.

**Financing Sources** **Paying Fund:** DDA & GF

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
DDA	\$10,000						\$10,000
GF	\$15,000						\$15,000
							\$0
							\$0
<b>Total</b>	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000

**City of Battle Creek  
Capital Projects Detail**

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Capital Improvement Program**

Sorted by Funded, Priority, Department

**Engineering**

**Project Title:** Sojourner Truth Monument Amphitheater Rehab **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Rehabilitate the amphitheater area for The Sojourner Truth Monument which was originally constructed in 1997. Replacement caulking, concrete repairs, handrail refinishing, and a new overall concrete color treatment is needed.

**Project Justification:** The monument was originally constructed in 1997 and is showing it's age. It's become a destination point for Battle Creek and a rehab of the amphitheater area is necessary to continue draw visitors from all over the world.

**Financing Sources** **Paying Fund:** DDA

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
DDA	\$40,000						\$40,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$40,000</b>

**Fire Department**

**Project Title:** Dolliver Campus and Station 2 Remodel **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Acquire and remodel the Dolliver Campus and remodel Station 2.

**Project Justification:** This is a three phase project spread out over three years. The first phase is to remodel the Dolliver Building which is the old Army Reserve Building on N. Washington next to Station 2. This building will become the new Fire Department Administration building. It will house Fire Department Administration, the Training Division, as well as the Fire Marshal who oversees inspections, prevention, and investigations. The training room can be converted into an additional Emergency Operations Center. The Calhoun County Dispatch Center will also have a dedicated room, as a back-up in case the center in Marshall becomes non-operational. The second phase of the project is to complete all the paving work, remodel the Annex building, and add the training props like the burn tower and confined space simulator. The third phase will be add apparatus bays onto Station 2 and remodel the inside of the existing structure. This project will help us achieve an ISO rating of 2.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
CIB	\$1,700,000	\$1,300,000	\$3,000,000				\$6,000,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$1,700,000</b>	<b>\$1,300,000</b>	<b>\$3,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,000,000</b>

**City of Battle Creek  
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Capital Improvement Program**

Sorted by Funded, Priority, Department

**Fire Department**

**Project Title:** New Fire Station **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Build a new Fire Station at Territorial and Helmer on airport property to replace current Station 4.

**Project Justification:** Combine the current Station 4 with Station 7 and build a new station on the east side of the airport. Current Station 4 doesn't meet the current requirements of a modern fire station. It lacks the proper barriers and living quarters to name a few. Station 7 which is owned by the National Guard and is located on the base doesn't allow the department to utilize the personnel assigned there to the fullest potential. By relocating those people to a new station on the east side will allow them to be used for both ARFF operations and structural firefighting.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
CIB				\$7,000,000			\$7,000,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$7,000,000	\$0	\$0	\$7,000,000

**Fire Department**

**Project Title:** Purchase New Engine (replacing E-2) **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** No **New Project?:** No

**Project Description:** Purchase a new engine to replace E-2

**Project Justification:** The current engine 2 was purchased as a demo in 2006. It has been one of the most costly vehicles to keep on the road and has been a problem since day one. The vehicle is only 12 years old and the department has spent \$209,000 on repairs. It can no longer be counted on as a front line piece of equipment and needs to be placed into reserve status.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
CIB	\$750,000						\$750,000
							\$0
							\$0
							\$0
<b>Total</b>	\$750,000	\$0	\$0	\$0	\$0	\$0	\$750,000

**City of Battle Creek  
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Capital Improvement Program**

Sorted by Funded, Priority, Department

**Fire Department**

**Project Title:** Purchase New Engine (replacing E-5) **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** No **New Project?:** No

**Project Description:** Purchase a new engine to replace E-5

**Project Justification:** Engine 5 was purchased in 1996. As stated earlier, industry standards recommend removing apparatus from front line status to reserve after 15 to 20 years and then keep it in reserve for only 5 years. In 2015 the department had engine 5 refurbished with hopes of extending the usable life for another 7 to 10 years. After that it will need to be removed from front line service.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
CIB					\$600,000		\$600,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$600,000	\$0	\$600,000

**Fire Department**

**Project Title:** Remodel Selected Fire Stations **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Remodel and bring up to current building codes the selected fire stations.

**Project Justification:** Remodel Stations 5 and 6. Both stations are in need of updating and additional space. They both need to have better separation from the living quarters and the apparatus bay. This will help to keep down the exposure to carcinogens. Station 6 needs new plumbing and both could use electrical updates. Station 5's bay is to low and needs to be raised to accept the newer pieces of apparatus.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
CIB						\$1,500,000	\$1,500,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000

**City of Battle Creek  
Capital Projects Detail**

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Capital Improvement Program**

Sorted by Funded, Priority, Department

**Fire Department**

**Project Title:** Station 3 Renovation **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Remodel and add onto Station 3.

**Project Justification:** Remodel and add on to Station 3. This will require the purchase of land (houses) around Station 3.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
CIB						\$3,000,000	\$3,000,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$3,000,000	\$3,000,000

**Information Technology**

**Project Title:** IT Strategic Plan and System Assessment **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Create a guiding document for the IT strategy at the City of Battle Creek that gives a 5 year look at aligning a technology spending and business of local government.

**Project Justification:** It has been many years since an outside evaluation of the direction of the IT Strategy has been done. While we have internal guiding documents, we may be limited by that which we know.

**Financing Sources** **Paying Fund:** Information Technology Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
ITF		\$30,000		\$15,000			\$45,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$30,000	\$0	\$15,000	\$0	\$0	\$45,000

**City of Battle Creek  
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Capital Improvement Program**

Sorted by Funded, Priority, Department

**Parking**

**Project Title:** Michigan - Lighting **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Update lighting in entire structure.

**Project Justification:** Lighting at end of useful life; reduce expenses, green friendly.

**Financing Sources** **Paying Fund:** Automobile Parking System Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
PF					\$200,000		\$200,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$200,000	\$0	\$200,000

**Parks**

**Project Title:** Downtown Riverfront/Mill Pond Redevelopment **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Create a water raceway for a high adventure experience along the Kalamazoo River, Remove channel and create rapids along river with an exit point and a walking path back to the beginning. Acquisition of GPI/Consumers sites and construction of a new park facility with turf restoration, shelters and parking lot on Kalamazoo River and construct linear path along the old railroad tracks to Oak Hill Cemetery and eventually to Columbia Ave.

**Project Justification:** Increased river usage and physical activity, as participants navigate a one mile course and walk back to the beginning. This will provide the only regional water adventure and add to place making and economics for the City. Ability to collect revenue from participants. Increase connectivity of Linear Park from downtown towards East Columbia Ave.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$600,000				\$2,200,000		\$2,800,000
SF		\$300,000				\$3,000,000	\$3,300,000
							\$0
							\$0
<b>Total</b>	\$600,000	\$300,000	\$0	\$0	\$2,200,000	\$3,000,000	\$6,100,000

**City of Battle Creek  
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Capital Improvement Program**

Sorted by Funded, Priority, Department

**Parks**

**Project Title:** E. Columbia Ave. River and Park Development **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Acquisition of green space and rehab facilities for programming, Kalamazoo River access, connection from downtown to south side of town and Beckley Rd area, access under Columbia Ave.

**Project Justification:** To create a destination park close to the river with access to the Linear Park trail and an access point for the Kalamazoo River and waterway trail.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF					\$500,000	\$70,000	\$570,000
SF						\$300,000	\$300,000
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$500,000	\$370,000	\$870,000

**Parks**

**Project Title:** Fell Park (Master Plan Renovations) **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Phase I - Relocate parking and remove other hard surface area; Phase II - Relocate and renovate ball fields and add shelters. Phase III - add putting/small driving range facilities including putting surface and safety netting to accommodate First Tee programming for youth.

**Project Justification:** Replace current backstops & player benches, which are over 30 years old, to improve safety. Relocate ball fields which will allow for better land use and improve paved parking. Add golf amenities expanding programming to underserved audiences.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF			\$450,000				\$450,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$450,000	\$0	\$0	\$0	\$450,000



**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Parks**

**Project Title:** Linear Park Expansion **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Expansion of Linear Park to connect to Pennfield Township, County trails, Metcalf Lake and Battle Creek River access areas.

**Project Justification:** To connect to the trail system of Southern Michigan and Calhoun County.

**Financing Sources** Paying Fund: General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF			\$50,000				\$50,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$50,000	\$0	\$0	\$0	\$50,000

**Parks**

**Project Title:** Linear Park Expansion, North Side to South Side **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Construction of Linear Park connecting downtown to Riverside Park along the Mill Pond and Kalamazoo River and from Riverside Park to Beckley Rd Linear Park section.

**Project Justification:** Increase connectivity of Linear Park from downtown towards Riverside Park and Beckley Road and connect with an existing isolated section.

**Financing Sources** Paying Fund: General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF					\$2,200,000		\$2,200,000
SF				\$300,000			\$300,000
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$300,000	\$2,200,000	\$0	\$2,500,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Parks**

**Project Title:** Linear Park Repairs - Existing Path **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replace/repair retaining walls along the Linear Park; replacement of existing sections of path. Clean and repair surfacing including adding safety surfacing materials.

**Project Justification:** These improvements will maintain participant safety along the Linear Path and maintain the long term physical condition of the path. Delays in repairs to the path system will substantially increase repair/replacement costs in the future as the path system ages. Damaged retaining walls, handrails, stair rails and stairs create a potentially significant liability for the city. Many of the boardwalk sections are 25 - 30 years old.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$50,000	\$50,000		\$50,000		\$50,000	\$200,000
SF			\$25,000				\$25,000
SGF				\$25,000			\$25,000
							\$0
<b>Total</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$25,000</b>	<b>\$75,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$250,000</b>

**Parks**

**Project Title:** Linear Path Expansion along 28th Street **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Expansion of the Linear Path along 28th Street from Lakeview Middle School to Westlake Park, to include loops and connections at Lakeview High School

**Project Justification:** Connecting physical active areas at Lakeview Middle School, Westlake and Lakeview High School with the existing Linear Path on Helmer Rd.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF				\$220,000			\$220,000
SF				\$300,000			\$300,000
							\$0
							\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$520,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$520,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Parks**

**Project Title:** Linear Path Expansion, I-94 Corridor **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Expansion of the Linear Path along the I-94 corridor between Helmer Road and Capital Avenue (Phase I) and Capital Avenue to M-66 (Phase II).

**Project Justification:** This expansion would link existing path on Helmer Road and create access to Capital Ave. and access to Beckley Road. Phase II would connect Capital Ave. to M-66. This would also benefit the City's Non Motorized Transportation Plan.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF			\$300,000		\$100,000		\$400,000
SF				\$300,000		\$300,000	\$600,000
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$300,000	\$300,000	\$100,000	\$300,000	\$1,000,000

**Parks**

**Project Title:** Linear Trail Signage **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Engineering and signage in preparation for the connection at the City line from the Kalamazoo Trail.

**Project Justification:** Connecting statewide trail system across Southern Michigan.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF		\$25,000					\$25,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$25,000	\$0	\$0	\$0	\$0	\$25,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Parks**

**Project Title:** Park Assets Management Projects **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Parks Assets Mgmt. (PAM) Projects are extraordinary capital repairs that have a cost greater than what can be normally absorbed by the general operating budget but less than the capital improvements program standards. These projects are identified and bundled together for funding purposes. Repair projects include various playground replacement parts, fencing repairs throughout the park system, retaining wall repairs and safety railing repairs along the linear park, sports field/court repairs, replacement of rims, bases, and nets in city parks, repair of park benches, picnic tables, and trash receptacles.

**Project Justification:** All of the PAM Projects involve safety related issues. Resources to properly maintain park equipment and playing surfaces is a priority within the city's risk management program insuring the safety of citizens and managing/reducing the city's risk exposure.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
							\$0
							\$0
							\$0
<b>Total</b>	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000

**Parks**

**Project Title:** Playground Safety Improvements **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Upgrade equipment and ammentities to meet new safety standards at Greenwood, Horseshoe, Irving, Miner, Meachem, Minges Brook, Prairieview, Quaker and Stellrecht playgrounds.

**Project Justification:** To meet new safety standards for playgrounds.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
							\$0
							\$0
							\$0
<b>Total</b>	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Parks**

**Project Title:** Soccer/Rugby Acquisition and Development **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Acquisition of land and development of a field soccer complex which would be available for local use and weekend tournaments.

**Project Justification:** The development of a soccer complex would increase participation in our local soccer programs and help boost the local economy with weekend tournaments attracting outside visitors.

**Financing Sources** Paying Fund: General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF		\$150,000					\$150,000
SF		\$300,000					\$300,000
PS				\$1,350,000			\$1,350,000
							\$0
<b>Total</b>	\$0	\$450,000	\$0	\$1,350,000	\$0	\$0	\$1,800,000

**Parks**

**Project Title:** Waterway Trail **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Create access to the Battle Creek and Kalamazoo Rivers.

**Project Justification:** Provide increased access along the Battle Creek and Kalamazoo Rivers for kayaking, tubing, canoeing, fishing through community partnerships with the Calhoun Conservation District, Calhoun County, Pennfield Township and community groups and foundations. Promote watershed, wildlife, plant conservation and increase use of the water as a natural resource.

**Financing Sources** Paying Fund: General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF			\$700,000				\$700,000
SF				\$300,000			\$300,000
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$700,000	\$300,000	\$0	\$0	\$1,000,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Parks**

**Project Title:** Woodland Park & Nature Preserve-  
Planning/Improvements **Proposed to be funded?: No**

**Priority:** 1 **Meets Master Plan?: Yes** **New Project?: No**

**Project Description:** Completion of park master plan. This includes 4 miles of trails (chipped, hard surface, and wetland boardwalks), shelters, benches, restroom bldg., connecting bridge, and historical markers/education components.

**Project Justification:** Woodland Park is located in an underserved area of the community as it relates to public green space. This area has been identified as a high growth area for residential development.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$100,000	\$100,000	\$500,000	\$440,000			\$1,140,000
SF			\$300,000	\$300,000			\$600,000
PS			\$90,000	\$75,000	\$75,000		\$240,000
							\$0
<b>Total</b>	\$100,000	\$100,000	\$890,000	\$815,000	\$75,000	\$0	\$1,980,000

**Recreation**

**Project Title:** Metcalf Lake Development **Proposed to be funded?: No**

**Priority:** 1 **Meets Master Plan?: Yes** **New Project?: No**

**Project Description:** Construction of visitor amenities at Metcalf Lake including, shelter/pavilion, restrooms, hiking trails, fishing pier and ADA accessible hard surface path.

**Project Justification:** To provide a natural green space area north of town for healthy physical activities for individuals and families. Also, to encourage the use of the natural trails for walking, running, nature watching and fishing.

**Financing Sources** **Paying Fund:** State Funds

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF			\$100,000				\$100,000
SF				\$300,000			\$300,000
PS					\$50,000		\$50,000
							\$0
<b>Total</b>	\$0	\$0	\$100,000	\$300,000	\$50,000	\$0	\$450,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Recreation**

**Project Title:** Rec. Ctr Repairs/Renovations to Existing Infrastructure **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Paint Waterslides. Repurpose indoor pool for sports programming and fitness center.

**Project Justification:** These repairs are necessary to extend the functional life of the City's only youth recreation center and public swimming pool and to accommodate the changing needs of users.

**Financing Sources** **Paying Fund:** Full Blast Endowment Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FBE	\$40,000	\$460,000					\$500,000
							\$0
							\$0
							\$0
<b>Total</b>	\$40,000	\$460,000	\$0	\$0	\$0	\$0	\$500,000

**Traffic Engineering**

**Project Title:** Capital Ave @ Beckley/I94 Knapp Drive **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Traffic signal interconnect and modification of on ramp and geometric changes at Knapp Dr.

**Project Justification:** To improve operations at Capital and Beckley and Capital at I-94 off Ramp.

**Financing Sources** **Paying Fund:** Congestion Mitigation & Air Quality Improv. Prog.

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
CMAQ					\$350,000		\$350,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$350,000	\$0	\$350,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Traffic Engineering**

**Project Title:** Central Business District Traffic Signal Interconnect **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Interconnect all traffic signals within the downtown area (Van Buren on the north Division on the east Dickman on the south and Washington on the west.)

**Project Justification:** Reductions in both congestion and in vehicular exhaust emissions. Improved communications between signals and our Traffic Management Center.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
Funding Source Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
A51					\$76,000		\$76,000
DDA					\$100,000		\$100,000
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$176,000	\$0	\$176,000

**Traffic Engineering**

**Project Title:** City Wide Pavement Marking **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** City wide pavement markings for crosswalks, stop bars, railroad markings, specialty markings, centerline, edge line and no passing zones.

**Project Justification:** Federal and State statutes and regulations require pavement markings.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
Funding Source Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
A51	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$960,000
							\$0
							\$0
							\$0
<b>Total</b>	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$960,000



**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Traffic Engineering**

**Project Title:** Emergency Vehicle Preemption & Transit System Priority **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Install system of preempting traffic signals for approaching emergency vehicles and providing transit buses priority at traffic signals. Project would be built out using a phased approach using a mix of various Federal grant program funds.

**Project Justification:** Reduced frequency of crashes involving emergency vehicles responding to calls. Reduce City's liability. Extend green signals long enough for transit buses to cross intersections without stopping, reducing transit delays, reducing fuel consumption, reducing emissions, and reducing mechanical wear on City buses.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** **Funds**

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
A51				\$40,000	\$40,000	\$40,000	\$120,000
FF				\$400,000	\$400,000	\$400,000	\$1,200,000
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$440,000	\$440,000	\$440,000	\$1,320,000

**Traffic Engineering**

**Project Title:** New Traffic Signal, 28th @ Hupp **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** New Traffic Signal, 28th St. @ Hupp Rd. New traffic signal controller, new traffic signal faces, new pedestrian signal faces, span wire and wood pole supports.

**Project Justification:** Motorists have expressed many complaints about congestion and delays here on school days when students are arriving and departing from the middle school and the high school. A 2015 traffic study found that delays were great enough to satisfy warrants for signalization.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** **Funds**

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
A51						\$200,000	\$200,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$200,000	\$200,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Traffic Engineering**

**Project Title:** New Traffic Signal, Capital Ave. N.E. @ North Ave. **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** New Traffic Signal, Capital Ave. N.E. @ North Ave. New traffic signal controller, new traffic signal faces, new pedestrian signal faces, new mast arm structures.

**Project Justification:** This signal is expected to improve traffic flow by creating gaps, improving the ability of southbound Capital Avenue traffic to continue south through the North Avenue intersection. This signal's operation will be coordinated with the nearby Capital @ Van Buren signal that is expected to be replaced in 2020.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Project Funds

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
A51						\$300,000	\$300,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$300,000	\$300,000

**Traffic Engineering**

**Project Title:** Non Motorized maintenance **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** To maintain signing and marking for the non motorized transportation system.

**Project Justification:** The system is being built but budget does not have money to continuously support the system.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects Funds

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
A51	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000
							\$0
							\$0
							\$0
<b>Total</b>	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Traffic Engineering**

**Project Title:** Railroad Crossing Maintenance **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Railroad Crossing Maintenance. Maintenance of crossing surfaces and warning devices at railroad crossings.

**Project Justification:** Railroad crossing safety. Michigan statute requires railroads to maintain crossings, and requires the State, counties and cities to financially support crossing maintenance.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
Funding Source Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
A51	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$210,000
							\$0
							\$0
							\$0
<b>Total</b>	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$210,000

**Traffic Engineering**

**Project Title:** Traffic Cameras and Weather Sensors **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Install weather sensors and additional traffic cameras at various locations around the City.

**Project Justification:** Monitor weather conditions at different locations to help manage snow removal operations. Monitor traffic flows at additional locations from DPW's Traffic Management Center.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
Funding Source Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
A51		\$76,000					\$76,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$76,000	\$0	\$0	\$0	\$0	\$76,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Traffic Engineering**

**Project Title:** Traffic Sign Upgrade **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replace poor signs in each of the maintenance districts.

**Project Justification:** Required by Federal and State statutes and regulations. Useful life of signs is limited and new signs must be installed periodically.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** **Funds**

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
A51	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$240,000
							\$0
							\$0
							\$0
<b>Total</b>	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$240,000

**Traffic Engineering**

**Project Title:** Traffic Signal Modernization, 20th @ Territorial **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Traffic Signal Modernization, 20th @ Territorial. New traffic signal controller, new traffic signal faces, new pedestrian signal faces, install vehicle and pedestrian detectors, replacement of span wire structure with new four-wire "box span" structure.

**Project Justification:** This is one of the oldest signals in the City. It should be upgraded to reflect changing traffic demands.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** **Funds**

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
A51			\$150,000				\$150,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$150,000	\$0	\$0	\$0	\$150,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Traffic Engineering**

**Project Title:** Traffic Signal Modernization, Cliff at Marjorie **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Traffic Signal Modernization, Cliff St. @ Marjorie St. Install new traffic signal controller. Refurbish traffic signal faces. Install underground conduit on all legs of the intersection. Install pedestrian signals. Improve traffic signal layout. Install vehicle and pedestrian detectors.

**Project Justification:** Currently, this is a pretimed signal that often forces Cliff St. traffic to stop when no cross traffic nor pedestrians are present. By installing detectors and upgrading this signal with an actuated controller, this signal will no longer have to stop Cliff St. traffic needlessly, thus reducing both delay and vehicular exhaust emissions.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
A51				\$150,000			\$150,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$150,000	\$0	\$0	\$150,000

**Traffic Engineering**

**Project Title:** Traffic Signal Modernization, Main @ Cliff **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Traffic Signal Modernization, Main St. @ Cliff St. New traffic signal controller, new traffic signal faces, new pedestrian signal faces. Replacement of span wire and poles with mast arms.

**Project Justification:** This is one of the oldest signals in the City. The existing hardware has been frequently struck by turning vehicles and a new arrangement of signal hardware is needed.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
**Funding Source** Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
A51				\$270,000			\$270,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$270,000	\$0	\$0	\$270,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Traffic Engineering**

**Project Title:** Traffic Signal Modernization, McCamly @ Van Buren **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Traffic Signal Modernization, McCamly St @ Van Buren St. New traffic signal controller, new traffic signal faces, new pedestrian signal faces, replacement of mast arm structures.

**Project Justification:** This is one of the oldest signals in the City. Mast arms have a limited life as they are susceptible to metal fatigue. This signal's equipment is among the oldest in the city.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
Funding Source Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
CMAQ				\$325,000			\$325,000
A51				\$30,000			\$30,000
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$355,000	\$0	\$0	\$355,000

**Traffic Engineering**

**Project Title:** Traffic Signal Modernization, Upton @ Washington **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Traffic Signal Modernization, Upton Ave. @ Washington Ave. New traffic signal controller, new traffic signal faces, new pedestrian signal faces, replacement of span wire structure with new four-wire "box span" structure.

**Project Justification:** This is one of the oldest signals in the City. It is planned to replace this signal with newer, more reliable, hardware with pedestrian signals and with traffic signal faces that are more visible to motorists.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
Funding Source Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
A51					\$270,000		\$270,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$270,000	\$0	\$270,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Wastewater**

**Project Title:** Biological Treatment Rehabilitation **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Reconstruct the biological treatment processes at the WWTP.

**Project Justification:** This part of the system uses biology to treat wastewater. It was last overhauled in 1980 and the internal components have reached their design life. Structures that house the components are in good shape, but components such as blowers and pumps will need to be replaced with energy efficient components. The system is to be configured with real time monitoring that will adjust chemical and air needs at the time needed. These improvements to electrical energy and chemical usage will have a ROI of 7 to 8 years.

**Financing Sources** **Paying Fund:** Sewer Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WWF	\$5,000,000	\$700,000	\$50,000	\$50,000	\$50,000	\$50,000	\$5,900,000
QEC Bond							\$0
Gen Bond							\$0
							\$0
<b>Total</b>	<b>\$5,000,000</b>	<b>\$700,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$5,900,000</b>

**Wastewater**

**Project Title:** Liquid Chlorine Disinfection **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replace the chlorine gas disinfection system with an approved alternative disinfection technologies.

**Project Justification:** Regulatory requirements for handling chlorine gas have become difficult to meet to the extent that utilities using them for disinfection are changing their strategies for doing so. In 2015 the City's water system changed from chlorine gas to liquid chlorine in an effort to avoid cumbersome regulatory requirements and potential fines in the future. Emerging technologies are coming that are to have better disinfection results, cost efficient, and safer to use.

**Financing Sources** **Paying Fund:** Sewer Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WWF				\$400,000	\$4,500,000		\$4,900,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$400,000</b>	<b>\$4,500,000</b>	<b>\$0</b>	<b>\$4,900,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Water**

**Project Title:** Energy Improvements **Proposed to be funded?:** No

**Priority:** 1 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Audit, study, and improve energy consumption or produce energy

**Project Justification:** This project is to reduce energy usage from the plant and equipment through out the water system and/or to produce energy that will aid in satisfying the City Renewable Energy Policy.

**Financing Sources** **Paying Fund:** Water Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WF	\$460,000	\$100,000	\$100,000				\$660,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$460,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$660,000</b>

**Airport**

**Project Title:** Approach Clearing for Runway 23R **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Mitigation of obstructions for the protection of the approach path for Runway 23R.

**Project Justification:** From an aerial approach survey conducted in the Spring of 2015 objects were identified as obstruction or near obstructions to the approach path for Runway 23R.

**Financing Sources** **Paying Fund:** W.K. Kellogg Airport Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
BCTIFA	\$250,000						\$250,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>



**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Airport**

**Project Title:** Develop and implement an airport signage program **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Add wayfinding signs and a monument sign along South Airport Road

**Project Justification:** There is currently very limited signage identifying where the Airport Administration and tenant offices are located along South Airport Road.

**Financing Sources** **Paying Fund:** W.K. Kellogg Airport Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
BCTIFA	\$75,000						\$75,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$75,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$75,000</b>

**Airport**

**Project Title:** Drainage Improvements at the AOMF **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Improve the drainage around the Airport Administration office building, Phase 2

**Project Justification:** Drainage improvements are needed as there are several springs in the area that impact the water table around some of the building causing some of the sidewalks to heave during the winter.

**Financing Sources** **Paying Fund:** W.K. Kellogg Airport Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
BCTIFA	\$50,000						\$50,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Battle Creek DDA**

**Project Title:** Kalamazoo River Channel Redevelopment **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Removal of the existing concrete channel and the addition of various aesthetic enhancements including a side-channel or oxbow to support a whitewater experience.

**Project Justification:** It is important to expand the footprint of the core downtown beyond three blocks fronting W. Michigan Ave. Redevelopment of the riverfront will help draw vibrancy to the south opening up additional space for development/redevelopment. It will also create new and unique access to recreation amenities, better connect residents and visitors to water resources, act as a catalyst for redevelopment in surrounding neighborhoods and beautify the current unsightly channelized treatment of the River.

**Financing Sources** **Paying Fund:** Downtown Development Authority

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
DDA	\$25,000			\$200,000	\$200,000	\$250,000	\$675,000
SF				\$500,000	\$500,000	\$750,000	\$1,750,000
PS				\$250,000	\$350,000	\$750,000	\$1,350,000
							\$0
<b>Total</b>	\$25,000	\$0	\$0	\$950,000	\$1,050,000	\$1,750,000	\$3,775,000

**Battle Creek DDA**

**Project Title:** Recreation, Culture and Leisure Facilities **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Development and maintenance of recreation, cultural and leisure facilities in the downtown such as mountain bike agility course, canoe livery, bike exchange stations, skate/bike park, all inclusive/miracle park, spray plaza, free standing public restroom.

**Project Justification:** To enhance programming opportunities, attract visitation to the downtown, create access to cultural and leisure activates and improve over all quality of life.

**Financing Sources** **Paying Fund:** Downtown Development Authority

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
DDA	\$50,000	\$55,000	\$55,000	\$55,000	\$55,000	\$25,000	\$295,000
SF	\$50,000						\$50,000
							\$0
							\$0
<b>Total</b>	\$100,000	\$55,000	\$55,000	\$55,000	\$55,000	\$25,000	\$345,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Battle Creek DDA**

**Project Title:** West Michigan Ave. corridor Improvements **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Extend infrastructure improvements along West Michigan Avenue to Kendall Street including lighting, sidewalks, benches, planters, etc.. consistent with the improvements in the core downtown.

**Project Justification:** Washington Street is current viewed as an artificial western boundary to the downtown despite the fact that there are numerous development sites with considerable potential along W. Michigan, Jackson and Hamblin. Extending decorative infrastructure down W. Michigan will help to spur development along the corridor, expanding the boundaries of the core downtown westward, take advantage of current development underway and create greater incentive for redevelopment of vacant properties along the corridor.

**Financing Sources Paying Fund:** Downtown Development Authority

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
DDA				\$25,000	\$75,000		\$100,000
SF				\$600,000	\$800,000		\$1,400,000
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$625,000	\$875,000	\$0	\$1,500,000

**CBD**

**Project Title:** Spray Grounds **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Construction of community spray grounds

**Project Justification:** The Community Foundation is interested in creating small local spray grounds.

**Financing Sources Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF		\$50,000		\$50,000			\$100,000
PS			\$300,000				\$300,000
							\$0
							\$0
<b>Total</b>	\$0	\$50,000	\$300,000	\$50,000	\$0	\$0	\$400,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Engineering**

**Project Title:** Salt Storage Facility **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Locate and construct a replacement salt storage facility for winter maintenance operations

**Project Justification:** The existing salt storage facility at the WWTP will likely be needed by Wastewater in the future due to expansion of the Plant. A new storage facility will be required to store salt and other winter maintenance materials.

**Financing Sources** **Paying Fund:** Act 51

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
A51		\$500,000					\$500,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$500,000	\$0	\$0	\$0	\$0	\$500,000

**Engineering**

**Project Title:** Street Sweeping Debris Storage Building **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** A new 80' x 140' structure at Brice Pit is necessary to support the stockpiling of street sweeping debris prior to landfill.

**Project Justification:** A new building is necessary to contain debris from street sweeping operations while awaiting disposal. It is critical to keep this debris as dry as possible to minimize disposal costs at the landfill. This building is necessary as we transition away from the storage building at WWTP.

**Financing Sources** **Paying Fund:** Act 51

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
A51		\$250,000					\$250,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$250,000	\$0	\$0	\$0	\$0	\$250,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Fire Department**

**Project Title:** Tear down 178 E. Van Buren **Proposed to be funded?: No**

**Priority:** 2 **Meets Master Plan?: Yes** **New Project?: Yes**

**Project Description:** Tear Down 178 E. Van Buren Ave

**Project Justification:** 178 E. Van Buren is a building that is currently being used to store Fire Department equipment. The building is in terrible shape and needs to be removed. There is major separation between the blocks and the structure is unsafe.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$40,000						\$40,000
							\$0
							\$0
							\$0
<b>Total</b>	\$40,000	\$0	\$0	\$0	\$0	\$0	\$40,000

**Information Technology**

**Project Title:** Fiber Optic Network Expansion **Proposed to be funded?: No**

**Priority:** 2 **Meets Master Plan?: Yes** **New Project?: No**

**Project Description:** Continued expansion of the fiber LAN to sites as ROI can be realized.

**Project Justification:** Departmental savings and more reliable connection to outlying facilities.

**Financing Sources** **Paying Fund:** Information Technology Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
WF			\$32,500				\$32,500
GF							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$32,500	\$0	\$0	\$0	\$32,500

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Kellogg Arena**

**Project Title:** Concession Equipment **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replace concession equipment including ice makers, warming equipment and refrigeration units.

**Project Justification:** The included concessions equipment must be replaced to ensure the effective and efficient delivery of concession services which are a valuable source of income for the Arena.

**Financing Sources** Paying Fund: General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$25,000		\$20,000				\$45,000
							\$0
							\$0
							\$0
<b>Total</b>	\$25,000	\$0	\$20,000	\$0	\$0	\$0	\$45,000

**Kellogg Arena**

**Project Title:** Concrete Repairs **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Raise and provide stabilization and reinforcement to the concrete slab in the utility and restroom area along the Southwest corner of the Arena.

**Project Justification:** The concrete slab in the Southwest corner of the Arena was installed without proper compaction and stabilization. As a result, the slab and supported interior block walls are sinking causing cosmetic cracks and placing stress on utility lines. While the conditions are not currently a safety issue, a continuation of the current conditions will eventually lead to potentially unsafe conditions.

**Financing Sources** Paying Fund: General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
CIB		\$25,000					\$25,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$25,000	\$0	\$0	\$0	\$0	\$25,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Kellogg Arena**

**Project Title:** Energy Conservation Project **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Enhance HVAC controls for customer comfort and energy savings. Replace inefficient lighting systems and add an automated smoke purge system.

**Project Justification:** The current HVAC controls do not provide for sufficient control over temperature automation resulting in a lack of user comfort and wasteful energy use. Current lighting is energy inefficient and in need of replacement. An automated smoke purge system is needed to provide for user safety during a fire and to aid in the dispersing of potentially harmful gases during events such as monster trucks.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
CIB	\$700,000	\$300,000					\$1,000,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$700,000</b>	<b>\$300,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,000,000</b>

**Kellogg Arena**

**Project Title:** Video Board **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Add a 30' x 20' HD video board to the Arena's north end.

**Project Justification:** This project replaces the previous CIP request to replace scoreboards. Modern technology has rendered traditional scoreboards obsolete as most facilities now use high resolution video boards to functions as both scoreboards and to allow for video display of live action. Adding the technology to the Arena in the near future will be critical to retaining current and attracting new clients/events. Including MHSAA Volleyball.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$380,000						\$380,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$380,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$380,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Parking**

**Project Title:** Hamblin - Expansion Joints **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Remove and replace expansion joints.

**Project Justification:** Expansion joints failing.

**Financing Sources** **Paying Fund:** Automobile Parking System Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
PF		\$120,000					\$120,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$120,000	\$0	\$0	\$0	\$0	\$120,000

**Parking**

**Project Title:** Michigan - Concrete Patching **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Concrete patching.

**Project Justification:** Concrete cracking and chipping in some areas.

**Financing Sources** **Paying Fund:** Automobile Parking System Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
PF		\$95,000					\$95,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$95,000	\$0	\$0	\$0	\$0	\$95,000



**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Parking**

<b>Project Title:</b> Michigan - Surface	<b>Proposed to be funded?:</b> No
<b>Priority:</b> 2	<b>Meets Master Plan?:</b> Yes
	<b>New Project?:</b> No
<b>Project Description:</b> Repair Surfaces	
<b>Project Justification:</b> Cracks and sealant diminished and to prevent deterioration.	

**Financing Sources** Paying Fund: Automobile Parking System Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
PF		\$25,000					\$25,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$25,000	\$0	\$0	\$0	\$0	\$25,000

**Parking**

<b>Project Title:</b> Surface Lots - Surface Repairs	<b>Proposed to be funded?:</b> No
<b>Priority:</b> 2	<b>Meets Master Plan?:</b> Yes
	<b>New Project?:</b> No
<b>Project Description:</b> Crack patch and seal coating.	
<b>Project Justification:</b> Cracks and sealant diminished and to prevent deterioration.	

**Financing Sources** Paying Fund: Automobile Parking System Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
PF			\$400,000	\$400,000		\$400,000	\$1,200,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$400,000	\$400,000	\$0	\$400,000	\$1,200,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Parks**

<b>Project Title:</b> Community Dog Park	<b>Proposed to be funded?:</b> No
<b>Priority:</b> 2	<b>Meets Master Plan?:</b> Yes
	<b>New Project?:</b> No
<b>Project Description:</b> Construction of a fenced dog park and agility course with, seating, shade structure and parking.	
<b>Project Justification:</b> Promote responsible pet ownership and the enforcement of dog-control laws; give dogs a place to exercise safely, thus reducing barking and other problem behaviors; provide seniors and disabled owners with an accessible place to exercise their companions;	

**Financing Sources** Paying Fund: General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF			\$100,000				\$100,000
SF			\$200,000				\$200,000
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$300,000	\$0	\$0	\$0	\$300,000

**Parks**

<b>Project Title:</b> Downtown Skateboard Park	<b>Proposed to be funded?:</b> No
<b>Priority:</b> 2	<b>Meets Master Plan?:</b> Yes
	<b>New Project?:</b> No
<b>Project Description:</b> Construction of a 12,000 square foot Skate Park in the downtown area, along the Kalamazoo River.	
<b>Project Justification:</b> Provide a location where skateboarders, novice and experienced, can enjoy the multiple components and obstacles of a downtown skateboarding atmosphere and reduce the maintenance issues in the retail areas.	

**Financing Sources** Paying Fund: Special Grants Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
SGF		\$400,000					\$400,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$400,000	\$0	\$0	\$0	\$0	\$400,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Parks**

**Project Title:** Playground Safety Surfacing **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replenish safety surfacing materials under all city park playgrounds.

**Project Justification:** Replacement is required to ensure compliance with ASTM impact and accessibility standards.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF		\$25,000				\$25,000	\$50,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$25,000	\$0	\$0	\$0	\$25,000	\$50,000

**Parks**

**Project Title:** Stone Jug Road Park Development/ FAA Quiet Zone **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Development of a park with parking lot and natural trails.

**Project Justification:** FAA requires public access to the property after a quiet zone is added.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF		\$50,000					\$50,000
SF			\$75,000				\$75,000
							\$0
							\$0
<b>Total</b>	\$0	\$50,000	\$75,000	\$0	\$0	\$0	\$125,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Recreation**

<b>Project Title:</b>	Rec. Ctr Auditorium Rehab	<b>Proposed to be funded?:</b>	No
<b>Priority:</b>	2	<b>Meets Master Plan?:</b>	Yes
		<b>New Project?:</b>	No
<b>Project Description:</b>	To add a second floor to the Boys and Girls Club area.		
<b>Project Justification:</b>	This would add 4100 square feet of space and allow our current partners, Boys and Girls Club and The Southwest Michigan Virtual Academy, to expand in our facility and maintain the valued partnership for the future.		

**Financing Sources** Paying Fund: Full Blast Endowment Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FBE			\$400,000				\$400,000
PS			\$500,000				\$500,000
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$900,000	\$0	\$0	\$0	\$900,000

**Recreation**

<b>Project Title:</b>	Rec. Ctr New Splash Pad Water Features	<b>Proposed to be funded?:</b>	No
<b>Priority:</b>	2	<b>Meets Master Plan?:</b>	Yes
		<b>New Project?:</b>	No
<b>Project Description:</b>	The addition of a Splash Pad to Flash Flood Water Park.		
<b>Project Justification:</b>	The additional water feature would be attractive to a younger age group and is necessary to keep the facility new and ever changing.		

**Financing Sources** Paying Fund: Full Blast Endowment Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FBE		\$450,000					\$450,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$450,000	\$0	\$0	\$0	\$0	\$450,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Traffic Engineering**

**Project Title:** Citywide Traffic Calming **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Citywide Traffic Calming. Install devices (such as speed humps) to discourage cut through and high speed traffic through residential subdivisions.

**Project Justification:** Frequent requests from residents for Engineering and Police actions to reduce vehicle speeds within residential neighborhoods.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
Funding Source Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
A51	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$150,000
							\$0
							\$0
							\$0
<b>Total</b>	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$150,000

**Traffic Engineering**

**Project Title:** New Signal or Roundabout, Capital @ Greentree and Lois **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** New Traffic Signal or Roundabout, Capital Ave. S.W. @ Greentree Blvd. and Lois Drive. The choice of either a signal or a roundabout will be based on further engineering study.

**Project Justification:** New Traffic Signal or Roundabout, Capital Ave. S.W. @ Greentree Blvd. and Lois Drive. A signal or roundabout will reduce congestion and delays by providing gaps in Capital Ave. traffic for traffic that exits Greentree and Lois.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
Funding Source Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
A51					\$30,000	\$330,000	\$360,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$30,000	\$330,000	\$360,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Traffic Engineering**

**Project Title:** Traffic Camera Video Hosting **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Traffic Camera Video Hosting. Provide video streams from traffic cameras for viewing by City employees and the public.

**Project Justification:** Continue providing remote video from our traffic cameras to employees and the public over the Internet. This capability was added in 2015 as part of a project to connect our Traffic Management Center to the Internet. This service allows the public to view traffic conditions and first responders to take corrective action.

**Financing Sources** **Paying Fund:** Major & Local Street Capital Projects  
Funding Source Funds

	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	Total
A51	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$180,000
							\$0
							\$0
							\$0
<b>Total</b>	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$180,000

**Transit**

**Project Title:** AVL/CAD System Upgrade **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Upgrade and renovation of Battle Creek Transit's computer infrastructure that supports the dispatching and scheduling functions.

**Project Justification:** Aging equipment and changes in technology warrant that Battle Creek Transit upgrade its computer infrastructure. The current infrastructure support Battle Creek Transit's communication with the coach operators and scheduling and dispatching of rides to its customers.

**Financing Sources** **Paying Fund:** Battle Creek Transit Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FF	\$60,000						\$60,000
SF		\$15,000					\$15,000
							\$0
							\$0
<b>Total</b>	\$60,000	\$15,000	\$0	\$0	\$0	\$0	\$75,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Transit**

**Project Title:** Farebox System Upgrade **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Upgrade of Battle Creek Transit's farebox system.

**Project Justification:** The farebox system collects and records all revenues received on Battle Creek Transit's vehicles. With an estimated service life of 12 years, many of the components that make up Battle Creek Transit's farebox system are ready for replacement. Farebox technology has changed over the past ten years since the farebox system was last replaced.

**Financing Sources** **Paying Fund:** Battle Creek Transit Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FF		\$320,000					\$320,000
SF			\$80,000				\$80,000
							\$0
							\$0
<b>Total</b>	\$0	\$320,000	\$80,000	\$0	\$0	\$0	\$400,000

**Transit**

**Project Title:** Large Bus Replacement - 3 vehicles **Proposed to be funded?:** No

**Priority:** 2 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replacement of three (3) large buses used to provide regular route bus service by Battle Creek Transit.

**Project Justification:** The buses to be replaced will have exceeded their service life at the time of replacement. Transit has a mix of medium duty and heavy duty buses with some being low floor for better access and some not. Our goal for replacement was to have the majority of the fleet medium duty low floor buses, but we cannot find a suitable medium duty low floor bus to meet our operational needs. We are trying to secure Federal and State funding to purchase three (3) HEAVY duty low floor buses.

**Financing Sources** **Paying Fund:** Battle Creek Transit Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FF			\$1,020,000				\$1,020,000
SF				\$255,000			\$255,000
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$1,020,000	\$255,000	\$0	\$0	\$1,275,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Battle Creek DDA**

**Project Title:** Art, Sculptures and Monuments **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Development and maintenance of new and existing artwork, sculptures and monuments that commemorate the history and heritage of the community.

**Project Justification:** To capitalize on the city's unique history and heritage, maintain existing assets, attract visitors to the downtown area, create access to cultural and leisure activities and improve over all quality of life.

**Financing Sources** **Paying Fund:** Downtown Development Authority

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
DDA	\$25,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$100,000
SF	\$25,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$75,000
							\$0
							\$0
<b>Total</b>	<b>\$50,000</b>	<b>\$25,000</b>	<b>\$25,000</b>	<b>\$25,000</b>	<b>\$25,000</b>	<b>\$25,000</b>	<b>\$175,000</b>

**Battle Creek DDA**

**Project Title:** Dam Removal **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Removal of the Verona Dam and the dam located under the Washington Street overpass in the Battle Creek River.

**Project Justification:** Removal of dams in these locations will help facilitate kayak and canoe use of the Battle Creek River without requiring users to portage around these existing obstacles.

**Financing Sources** **Paying Fund:** Downtown Development Authority

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
DDA			\$50,000	\$50,000			\$100,000
SF			\$1,800,000	\$1,800,000			\$3,600,000
							\$0
							\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,850,000</b>	<b>\$1,850,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,700,000</b>



**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Battle Creek DDA**

**Project Title:** Seasonal Retail Structures **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Includes temporary or seasonal structures that provide for short-term rentals usually occupied by temporary stores used by budding entrepreneurs to introduce a product, build brand awareness, test a consumer market or targeted retail location, including experiential marketing.

**Project Justification:** Pop up structures/stores can help new businesses avoid high startup costs and try out business ideas with a minimal investment. These structures can create foot-traffic and vibrancy in a shopping district and incubate startups for future bricks and motor locations.

**Financing Sources** **Paying Fund:** Downtown Development Authority

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
DDA	\$125,000	\$125,000					\$250,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$125,000</b>	<b>\$125,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>

**City Hall Maintenance**

**Project Title:** City Hall Building Automation System Upgrade **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** City Hall Building Automation System Upgrade

**Project Justification:** The current Honeywell building automation system is operated by a software that is currently isolated on an XP operating system. This will fail. Microsoft no longer supports XP operating systems. When this fails, so does City Halls heating and cooling. I worked with Johnson Controls, who won the contract for the PD building, to get a quote for updating our controls, VAV's and software to align with the new Police Department. We will still be sharing a boiler system between both buildings so both buildings need to have the same controls in order for the system to operate efficiently.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$109,000						\$109,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$109,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$109,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**City Hall Maintenance**

**Project Title:** City Hall Façade Repair and Refurbishing **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** City Hall Façade Repair and Refurbishing

**Project Justification:** City Hall's Façade has some significant water damage. I am currently working with a structural engineer to come up with an emergency repair plan as well as a 5-10 deferred plan. They just completed the on site evaluation of the exterior of city hall. It will take them a month or two to get me estimated repair costs but, I wanted to put an amount in here temporarily until I get a more accurate quote.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$400,000						\$400,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$400,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$400,000</b>

**City Hall Maintenance**

**Project Title:** City Hall Lighting Improvements **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** City Hall Lighting Improvements

**Project Justification:** Our lighting in City Hall is dated and the hallways are dim and uninviting. In order to improve energy efficiency and atmosphere, we need to bring our lighting up to speed with current standards. I have been slowly replacing our lightbulbs with LED's but eventually they will no longer make LED lightbulbs for our fixtures and we will need to get new. Union electric came up with a proposal to replace all of our light fixtures to bring them up to today's standards. Replacing them all will make our building more energy efficient and save the city money on our electricity bill.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$170,000						\$170,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$170,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$170,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**City Hall Maintenance**

**Project Title:** City Hall Perimeter Retaining Wall Removal and Replacement **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** City Hall Perimeter Retaining Wall Removal and Replacement

**Project Justification:** Battle Creek City Hall has a retaining wall system that has been in place since the building was constructed 103 years ago. In the 80's, the field services department revamped the wall by applying a fresh pargeted finish and installing a gutter system for drainage purposes. The drainage solution they came up with has failed. They created the system so the water drained behind the wall into dry wells. Those dry wells have since filled with sediment because they can't handle the amount of water that is created from the irrigation system. We are now having freeze/thaw problems with the moisture and it is eroding the wall away. I recently worked with a landscape architect firm to come up with some plans to solve our structure and drainage problem. Our best option is to re-use the existing cap stones, connect the drainage system to the storm sewer and replace the face of the wall with concrete pre-cast units that are similar to the original shape.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$241,000						\$241,000
							\$0
							\$0
							\$0
<b>Total</b>	\$241,000	\$0	\$0	\$0	\$0	\$0	\$241,000

**City Hall Maintenance**

**Project Title:** City Hall Roof **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Renovate City Hall's Roof

**Project Justification:** The City Hall roof is currently 15 to 20 years old so we need to start thinking about a plan to either renovate or redo it in the next 5-6 years. I don't have an estimate. I'm basing my number on what was done last time.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF					\$100,000		\$100,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$100,000	\$0	\$100,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**City Hall Maintenance**

**Project Title:** City Hall Treasurer Office / Lobby Safety Improvements and Renovation **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** City Hall Treasurer Office / Lobby Safety Improvements and Renovation

**Project Justification:** Our current layout of our main entrance into city hall is not conducive to traffic flow, safety and security/access control. I had an architect firm help me redesign the original south entrance to accommodate traffic as well as ADA requirements and security. In this project we also redesigned the payment / treasurers office. The current window is unsafe not only for the staff but for the citizens as well. Currently, people fill the hall to make payments. Our plan is to bring the payment line inside the office. This will be a security improvement for the treasurers staff because we have designed cashier style payment windows with bullet resistant material and barriers for non-entry similar to what you would see at a bank. Currently any citizen can jump or reach over the counter with ease.

**Financing Sources** Paying Fund: General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$238,000						\$238,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$238,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$238,000</b>

**Engineering**

**Project Title:** Brice Pit Reclamation Project **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Contract the excavation, sorting, and reclaiming of the debris spoils pile at Brice Pit. This pile consists of accumulated dirt, asphalt, concrete, cast iron, etc., from 20+ years of water, sewer, and street maintenance activities.

**Project Justification:** After 20+ years of operation, this pile is reaching the end of its useful life cycle. Materials such as asphalt, concrete, and cast iron can be reclaimed, ultimately eliminating the pile. Once completed, the city will have the space to sort materials routinely, eliminating a future pile.

**Financing Sources** Paying Fund: Act 51

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
A51		\$200,000					\$200,000
WF		\$200,000					\$200,000
WWF		\$200,000					\$200,000
							\$0
<b>Total</b>	<b>\$0</b>	<b>\$600,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$600,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Engineering**

**Project Title:** Replacement "Building 6" **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replacement cold storage building for the existing "Building 6" located at the former 350 W Michigan Ave. The existing steel structure is 95'x260' w/16' eaves (24,700 sf.) Site potentially would be on Elm Street near the BCPD building.

**Project Justification:** The existing building is located on the former DPW site at 350 W Michigan Avenue. There has been interest in selling this property, therefore a replacement storage building/site is required.

**Financing Sources** **Paying Fund:** Act 51 and GF

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
A51		\$550,000					\$550,000
GF		\$550,000					\$550,000
							\$0
							\$0
<b>Total</b>	\$0	\$1,100,000	\$0	\$0	\$0	\$0	\$1,100,000

**Equipment Center**

**Project Title:** Green Roof Relocation **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Reinstall Green Roof From old Police Station onto DPW

**Project Justification:** Save The Green Roof

**Financing Sources** **Paying Fund:** Equipment Center Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
ECF	\$50,000						\$50,000
							\$0
							\$0
							\$0
<b>Total</b>	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Fire Department**

**Project Title:** New SCBA's **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** No **New Project?:** No

**Project Description:** Purchase new self contained breathing apparatus (SCBA)

**Project Justification:** The department has 75 SCBA's and an additional 75 bottles. They were purchased in 2009. Currently one SCBA and an additional bottle is running between \$6000 and \$6500. The bottles are required to be hydrostatically tested every couple of years and they can only be tested so many times and then they are no longer usable. That date will be in 2024 and we can't wait till the last minute to buy the equipment. In the requested year for purchase, NFPA will have made at least three revisions to the standard. The current packs are already starting to show significant wear with an increase in repairs.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
CIB				\$450,000			\$450,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$450,000	\$0	\$0	\$450,000

**Information Technology**

**Project Title:** Document Management System **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** No **New Project?:** No

**Project Description:** A project to allow for indexing and management of City documents. This would give us a one stop for searching and filing documents and faster searching for all records.

**Project Justification:** With growing demand and need for transparency this system is becoming necessary. A common storage area with ability to search will save time and possibly money.

**Financing Sources** **Paying Fund:** Information Technology Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
ITF					\$50,000		\$50,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$50,000	\$0	\$50,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Kellogg Arena**

**Project Title:** Arena Floor Resurfacing **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** YES

**Project Description:** Resurface interior Arena floor to fill cracks and create smooth surface

**Project Justification:** Resurface Arena floor to fill in cracks and imperfections. Currently floor still has blemishes from ice rink use as well as significant cracking withing interior. Would make the floor look nearly brand new, which could attract new events and enhance current events.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF				\$100,000			\$100,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$100,000	\$0	\$0	\$100,000

**Kellogg Arena**

**Project Title:** Chain motor replacement **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Purchase new chainmotors to lift, hang, and rig equipment into the steel rafters of Kellogg Arena.

**Project Justification:** Current chainmotors are used often and are showing their wear. Newer motors are lighter and more efficient in their use.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF			\$25,000				\$25,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$25,000	\$0	\$0	\$0	\$25,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Parking**

**Project Title:** Engineering for Parking Fund Projects **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Engineering for Parking Fund projects

**Project Justification:** Engineering required for Parking Fund projects

**Financing Sources** **Paying Fund:** Automobile Parking System Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
PF		\$44,000					\$44,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$44,000	\$0	\$0	\$0	\$0	\$44,000

**Parking**

**Project Title:** Hamblin - Lighting **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Update lighting in entire structure.

**Project Justification:** Lighting at end of useful life; reduce expenses, green friendly.

**Financing Sources** **Paying Fund:** Automobile Parking System Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
PF					\$200,000		\$200,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$200,000	\$0	\$200,000



**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Parks**

**Project Title:** Bailey Park Parking Lot **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Design and construct a small parking lot to provide roughly 15 spaces near the pavilion at the southwest corner of Bailey Park, south of Roosevelt Avenue and next to the linear path. This pavilion is utilized throughout the summer season for a variety of gatherings and does not have the benefit of a close parking lot.

**Project Justification:** The lack of a close parking lot results in users having to drive through the grass to drop off supplies and in many cases, park next to the pavilion throughout the duration of their event. An additional parking lot near the pavilion would help promote the use of this space and minimize the turf damage caused from private vehicles.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$35,000						\$35,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$35,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$35,000</b>

**Parks**

**Project Title:** General Parks asphalt road and parking area repairs. **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Installing asphalt overlay for all roads and parking lot areas in selected parks. Includes milling as needed.

**Project Justification:** The surface areas (roads and parking lots) in a number of local parks have deteriorated to the point of becoming a safety concern due to uneven surfaces and cracking. Repair is also needed in order to avoid more significant long-term maintenance costs.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$25,000	\$25,000	\$25,000			\$25,000	\$100,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$25,000</b>	<b>\$25,000</b>	<b>\$25,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$25,000</b>	<b>\$100,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Parks**

**Project Title:** Monument and Sculpture Renovation **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** Repairing and or restoration of the city sculptures and monuments.

**Project Justification:** The City of Battle Creek has several monuments and sculptures located in and around the downtown area. In many cases, these structures are over 100 years old. As an example, the city purchased the Indian at Irving Park in 1909. Routine maintenance to these structures has been severely limited due to funding. Many of these are now in need of significant repair and/or restoration to maintain the integrity of the structures.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$25,000	\$25,000					\$50,000
							\$0
							\$0
							\$0
<b>Total</b>	\$25,000	\$25,000	\$0	\$0	\$0	\$0	\$50,000

**Police Department**

**Project Title:** BCPD Communications Replacement Plan **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replace outdated radios before end of life.

**Project Justification:** We currently utilize, department wide, Motorola XTS 5000 portable radios and XTL 5000 mobile radios both of which have been discontinued, therefore we have an immediate need to develop a plan to replace our inventory. Motorola's practice is to support their radios as long as parts are available but no longer than 5 years after end of life.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$244,000	\$244,000	\$244,000	\$244,000			\$976,000
							\$0
							\$0
							\$0
<b>Total</b>	\$244,000	\$244,000	\$244,000	\$244,000	\$0	\$0	\$976,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Police Department**

**Project Title:** BCPD Computer/Video Solution **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Replacement of video equipment over time.

**Project Justification:** Our computer and video solution is deployed in the Patrol Division and utilized 24/7 per department policy. The goal of this project is to create a consistent budget plan to replace or update our mobile systems and increase the data security of our criminal justice information. The technology comes with a three year warranty. Additional warranty years can be purchased.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$157,500	\$157,500					\$315,000
							\$0
							\$0
							\$0
<b>Total</b>	\$157,500	\$157,500	\$0	\$0	\$0	\$0	\$315,000

**Police Department**

**Project Title:** BCPD Video/Data Storage Solution **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** No **New Project?:** No

**Project Description:** Data storage needed for our new paperless system.

**Project Justification:** With our increased dependence on video evidence and our attempt to convert to a paperless system, we also have an increase for our data storage. A recent analysis determined our storage needs and supporting hardware based on past practice and current needs

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$33,333	\$33,334					\$66,667
							\$0
							\$0
							\$0
<b>Total</b>	\$33,333	\$33,334	\$0	\$0	\$0	\$0	\$66,667

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Recreation**

**Project Title:** Binder Park G. C. - Backup Power Project **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Phase II - Install a backup power generator at the cart barn.

**Project Justification:** The installation of a backup generator system will allow the facility to stay open avoiding lost revenue.

**Financing Sources** **Paying Fund:** Binder Park Golf Course Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GC	\$30,000						\$30,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$30,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$30,000</b>

**Recreation**

**Project Title:** Binder Park G. C. - Banquet Facility **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Construction of a banquet facility and the purchase of serving equipment, tables, chairs and linens

**Project Justification:** The addition of a banquet facility would allow for additional revenue opportunities into a new market which is important to the sustainability of the golf course.

**Financing Sources** **Paying Fund:** Binder Park Golf Course Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GC		\$800,000					\$800,000
							\$0
							\$0
							\$0
<b>Total</b>	<b>\$0</b>	<b>\$800,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$800,000</b>

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Recreation**

**Project Title:** Binder Park G. C. - Cart Path Improvements **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Repairs/ improvements to cart path infrastructure that will increase use of facilities, decrease maintenance costs, enhance revenues

**Project Justification:** Increase the course's usability/participation and results in more revenue and decreases maintenance cost

**Financing Sources** **Paying Fund:** Binder Park Golf Course Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GC	\$100,000	\$100,000	\$100,000				\$300,000
							\$0
							\$0
							\$0
<b>Total</b>	\$100,000	\$100,000	\$100,000	\$0	\$0	\$0	\$300,000

**Recreation**

**Project Title:** Binder Park G.C. - Grounds Equipment **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Grounds Equipment , including mowers for roughs, fairways, greens, tee boxes.

**Project Justification:** Replacement of old worn out and unrepairable grounds equipment to save time and money.

**Financing Sources** **Paying Fund:** Binder Park Golf Course Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GC	\$95,000	\$20,000	\$57,000	\$40,000	\$20,000		\$232,000
							\$0
							\$0
							\$0
<b>Total</b>	\$95,000	\$20,000	\$57,000	\$40,000	\$20,000	\$0	\$232,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Recreation**

**Project Title:** Rec. Ctr Water Park-Concessions Upgrade and Expansion **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Refurbish/remodel existing concessions facilities including equipment upgrades and the addition of air-conditioning to increase revenues and meet required health and safety standards.

**Project Justification:** Concession facility expansion and upgrades are needed to ensure that the working conditions and environment meet all required health and safety standards.

**Financing Sources** **Paying Fund:** Full Blast Endowment Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
FBE		\$125,000					\$125,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$125,000	\$0	\$0	\$0	\$0	\$125,000

**Transit**

**Project Title:** Intermodal Drain Repair **Proposed to be funded?:** No

**Priority:** 3 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Re-engineering and repair or replacement of down spout drainage.

**Project Justification:** The drainage has been determined to need re-engineering and repair or replacement.

**Financing Sources** **Paying Fund:** ITC

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
SF	\$25,000						\$25,000
							\$0
							\$0
							\$0
<b>Total</b>	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**City Hall Maintenance**

**Project Title:** City Hall Carpet Replacement **Proposed to be funded?:** No

**Priority:** 4 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** City Hall Carpet Replacement

**Project Justification:** City Hall's Carpet was installed in the early 80's when the building was remodeled. It's current condition is rough and is worn. There are spots in the 3rd floor employee only area that has holes. It would benefit the employees and the beautification of our historic building to have new carpet put in. I don't have a quote to work from but I have replaced the carpet in the commission chambers and the conference rooms to I know a rough amount of the cost involved.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$260,000						\$260,000
							\$0
							\$0
							\$0
<b>Total</b>	\$260,000	\$0	\$0	\$0	\$0	\$0	\$260,000

**City Hall Maintenance**

**Project Title:** City Hall Commission Chambers and Hallway Painting **Proposed to be funded?:** No

**Priority:** 4 **Meets Master Plan?:** Yes **New Project?:** Yes

**Project Description:** City Hall Commission Chambers and Hallway Painting

**Project Justification:** All of the paint in City Hall's Commission Chambers and Hallways are peeling and dirty. In the early 80's City Hall was remodeled. This is the last time the commission chambers and hallways were painted. The paint is now drab and dirty. In the commission chambers, the paint on the ceiling is peeling and chipping. Every day there is more paint on the floor that has peeled away from the ceiling. I had the commission chambers quoted at \$24,000 to paint. I didn't have the rest quoted but I'm willing to bet it's about that or more for each floor and stairwell.

**Financing Sources** **Paying Fund:** General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF	\$100,000						\$100,000
							\$0
							\$0
							\$0
<b>Total</b>	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000

**City of Battle Creek  
Capital Projects Detail**

**Fiscal Year 2019/2024 Proposed  
Capital Improvement Program**

Sorted by Funded, Priority, Department

**Recreation**

**Project Title:** P&R Storage Facility **Proposed to be funded?:** No

**Priority:** 4 **Meets Master Plan?:** Yes **New Project?:** No

**Project Description:** Construction of a 4,000 square foot storage facility (the facility would eliminate the need for the department to rent storage space).

**Project Justification:** The department currently lacks adequate storage and the useful life of equipment is being compromised by storage conditions. Construction of a storage facility would eliminate the department's need to rent storage space on an annual basis (Dickman Road storage) and save money in storage charges.

**Financing Sources** Paying Fund: General Fund

Funding Source	Project Costs						Total
	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	
GF		\$200,000					\$200,000
							\$0
							\$0
							\$0
<b>Total</b>	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000

**Grand Total** \$53,244,802 \$46,188,732 \$49,276,739 \$50,743,742 \$40,558,308 \$38,062,233 \$278,074,556



# City of Battle Creek Property List

Fund	Occupancy	Location/Address	2018 Building Values	2018 Content Value	Structure Other than Building Value	Adjusted Total Values
General	Fire Station 1	195 E. Michigan Ave.	2,036,370	80,027		2,116,397
General	Fire Station 2	145 N. Washington Ave.	469,869	28,074		497,943
General	Fire Station 3	222 Cliff St.	334,406	26,590		360,996
General	Fire Station 6	2401 South West Capital	597,068	15,782		612,850
General	Fire Station 5	1170 W. Michigan Ave.	149,620	15,184		164,804
General	Fire Station 4	8 South 20th Street	514,116	146,359		660,475
General	Fire Maintenance Building	178 E. Van Buren	486,088	164,703		650,791
						<u>5,064,256</u>
General	Police Dept.	20 N. Division St.	4,488,658	1,203,290		5,691,948
General	Police - ERT/Cold case	301 Elm Street	933,493	390,649		1,324,142
						<u>7,016,090</u>
General	First Tee school	7255 B Drive South	103,141			103,141
						<u>103,141</u>
General	Baseball Stadium Bailey Park	1392 Capital Ave. NE	3,529,389	2,579	1,138,258	4,670,226
General	Maint. Garage	1392 Capital Ave. NE	59,141	5,631		64,772
General	Concessions (Convis)	1392 Capital Ave. NE	149,775	2,198		151,973
General	Concessions (Flannery)	1392 Capital Ave. NE	149,775	2,198		151,973
General	Dwelling (189 Bridge Street)	1392 Capital Ave. NE	111,615	30,033		141,648
						<u>5,180,592</u>
General	Full Blast Recreation Center	35 Hamblin Ave.	13,048,144	999,521		14,047,665
						<u>14,047,665</u>
General	Battle Creek Transportation Ctr	119 S. McCamly St.	2,664,783			2,664,783
						<u>2,664,783</u>
General	Bath house Goguac Lake	Goguac Lake	238,952			238,952
General	Kids Campus	75 Erving Pk. Drive	805,415			805,415
General	Glen Urban Shelter	Claude Evans Park N. Washington	87,080			87,080
General	Pavilion/restrooms	Willard Ave. Battle Creek	92,768			92,768
						<u>1,224,215</u>
General	Picnic Shelter	Goguac Lake	123,329	24,047		147,376
General	Restrooms	Goguac Lake	58,733			58,733
						<u>206,109</u>
General	City Hall	10 N. Division St.	13,167,352	4,378,136		17,545,488
						<u>17,545,488</u>
Arena & Parking	Kellogg Arena/Parking Garage	34 & 36 Hamblin Ave.	19,980,764	2,376,476		22,357,240
						<u>22,357,240</u>
Airport	WK Kellogg Airport Admin/Ops & Maint. Bldg.	15551 South Airport Road	7,050,705	1,547,123		8,597,828
Airport	Kellogg Hanger	15551 South Airport Road	2,165,653			2,165,653
Airport	T-Hangers (125 Helmer Rd.)	15551 South Airport Road	263,432	35,215		298,647
Airport	T-Hangers (127 N. Helmer Rd)	15551 South Airport Road	543,613			543,613
Airport	T-Hangers (129 Helmer Rd.)	15551 South Airport Road	259,570			259,570
Airport	T-Hangers (2870 Territorial)	15551 South Airport Road	210,705			210,705
Airport	Balloon fest (3140 5th Ave.)	15551 South Airport Road	76,462			76,462
Airport	Power vault (3160 Sixth Ave)	15551 South Airport Road	138,593	67,712		206,305
Airport	Air Traffic Control Tower	15551 South Airport Road	3,882,852	1,725,815		5,608,667
Airport	FAA Hanger (16085 S. Airport Rd.)	15551 South Airport Road	8,221,842	45,330		8,267,172
						<u>26,234,622</u>
Binder Park	Golf Course Clubhouse	7255 B Drive South	812,289	63,442		875,731
Binder Park	Cart barn	7255 B Drive South	108,206	21,251		129,457
Binder Park	Pump house	7255 B Drive South	57,907			57,907
Binder Park	Storage	7255 B Drive South	142,576	31,877		174,453
						<u>1,237,548</u>
Parking	Parking Ramp	80 W. Michigan Ave.	13,403,340			13,403,340
Parking	Riverwalk Two tier Parking Ramp	38 W. Jackson St.	997,743			997,743
						<u>14,401,083</u>

Fund	Occupancy	Location/Address	2018 Building Values	2018 Content Value	Structure Other than Building Value	Adjusted Total Values
Transit	Battle Creek Transit	345 W. Michigan Ave	1,624,492	110,403		<u>1,734,895</u> 1,734,895
Sewer	WWTP	2000 W. River Rd.	102,593,463			102,593,463
Sewer	Lift station		90,958			90,958
Sewer	Lift station	11Mile Rd./1931 E. Michigan	64,603			64,603
Sewer	Lift station	247 N. Helmer	82,762			82,762
Sewer	Lift station	176 S.24th St.	290,710			290,710
Sewer	Lift station	633 6th Ave. City of Springfield	258,409			258,409
Sewer	Lift station	13831 8&1/2 Mile	55,175			55,175
Sewer	Lift station	950 Hill Brady Rd.	479,168			479,168
Sewer	Lift station	Ashland - 52 Ashland Ave.	129,204			129,204
Sewer	Lift station	Bauman Rd. 399 1/2 St. Ma	80,752			80,752
Sewer	Lift station	Bayshore Dr - 99 Lynwood	129,204			129,204
Sewer	Lift station	Hollison - 13630 Beatle Lk. Rd.	161,506			161,506
Sewer	Lift station	Beadle Lake/River - 30 Be	209,956			209,956
Sewer	Lift station	Beatle Lake/Anway - 13433	161,506			161,506
Sewer	Lift station	Camron Dr.- 167 Camron Dr	129,204			129,204
Sewer	Lift station	207 Chapel Hill	129,204			129,204
Sewer	Lift station	41 Charles E. Place	129,204			129,204
Sewer	Lift station	RR tracks - 3919 W. Columbia	129,204			129,204
Sewer	Lift station	Columbia Heights - 931 E.	226,217			226,217
Sewer	Lift station	2410 Columbia	303,460			303,460
Sewer	Lift station	243 CC Terrace	129,204			129,204
Sewer	Lift station	Dickman Rd.- 216 W. Dickman	145,355			145,355
Sewer	Lift station	Dream Drive - 311 Dream D	177,655			177,655
Sewer	Lift station	RRX 1025 E. MI Ave	209,956			209,956
Sewer	Lift station	239 Edan Road Pennfield	96,904			96,904
Sewer	Lift station	Edgebrook Dr.- 124 Edgebrook	290,710			290,710
Sewer	Lift station	Eel&Lucille - 368 Eel	145,355			145,355
Sewer	Lift station	Garvey Dr - 5700 W. Dickm	193,807			193,807
Sewer	Lift station	400 Golden @ Brentwood	129,204			129,204
Sewer	Lift station	911 Capital Ave	177,655			177,655
Sewer	Lift station	185 W. Goodale	129,204			129,204
Sewer	Lift station	Harmonia Rd.- 1198 Harmon	145,353			145,353
Sewer	Lift station	Hickory St.- 941 Beatle L	55,174			55,174
Sewer	Lift station	Jackson St/20th - 950 W.	129,204			129,204
Sewer	Lift station	Jennings Rd. - 89 Jenning	129,204			129,204
Sewer	Lift station	Kelly - 85 Kelly	209,956			209,956
Sewer	Lift station	Menno Pl 91 Lakefront	145,355			145,355
Sewer	Lift station	Main/River - 703 Main St,	177,644			177,644
Sewer	Lift station	Michigan Ave. 1075 E MI Ave.	209,956			209,956
Sewer	Lift station	Minges Brook - 1970 Capit	484,515			484,515
Sewer	Lift station	National Guard - 16840 W.	258,409			258,409
Sewer	Lift station	Parkshore - 197 Parkshore	64,603			64,603
Sewer	Lift station	748 Prospect Place	129,204			129,204
Sewer	Lift station	Raymond Rd. - 966 N.Raym	161,506			161,506
Sewer	Lift station	S. Lavista Ave - 271 S.Lavista	129,204			129,204
Sewer	Lift station	Robertson - 4763 W. Columbia	129,204			129,204
Sewer	Lift station	15500 W.Dickman	82,762			82,762
Sewer	Lift station	Union St - 290 S. Union S	64,603			64,603
Sewer	Lift station	Viking - 261 Viking Dr.Pe	64,603			64,603
Sewer	Lift station	Woodgate - 699 Woodgate R	129,204			129,204
Sewer	Lift station	York Ave.- 140 York Ave	129,204			129,204
Sewer	Lift station	310 Windamere	179,532			179,532
Sewer	Lift station	393 E. Roosevelt Ave.	147,047			147,047
Sewer	Lift station	168 Abington Circle	73,524			73,524
Sewer	Lift station	3879 West River Road	73,524			73,524
Sewer	Lift station	Willard Beach	73,524			73,524
Sewer	Lift station	272 St. Mary's Lk. Rd	73,524			73,524
Sewer	Lift station	32 Breckenridge	73,524			73,524
Sewer	Lift station	13100 6 1/2 Mile Rd.	73,524			73,524
Sewer	Lift station	13785 6 1/2 Mile Rd.	73,524			73,524
Sewer	Lift station	14400 6 1/2 Mile Rd.	73,524			73,524
Sewer	Lift station	15154 6 1/2 Mile Rd.	73,524			73,524
Sewer	Radio Bldg.	1125 W. Territorial	9,487			9,487
Sewer	Pole Barn	3995 W. Territorial	61,721			61,721
Sewer	Lift Station Building	Fountain - 78 E. Fountain	56,579			56,579

Fund	Occupancy	Location/Address	2018 Building Values	2018 Content Value	Structure Other than Building Value	Adjusted Total Values
Sewer	Lift Station Building	Oneita - 315 Oneita St.	72,008			72,008
Sewer	Lift Station Building	Morgan St.- 31 W. Morgan	72,008			72,008
Sewer	Lift Station Building	Hanna - 75 Hanna	72,008			72,008
Sewer	Lift Station Building	247 N. Helmer (Airport)	72,008			72,008
Sewer	Lift Station Building	Beaver Dam - 16 Beaver Da	72,008			72,008
Sewer	Lift Station Building	Honey Lane - 285 Honey La	72,008			72,008
Sewer	Lift Station Building	Honey/Lillie - 167 Honey	72,008			72,008
Sewer	Lift Station Building	Goguac/28th - 1331 W. Gog	72,008			72,008
Sewer	Lift Station Building	Breezy Bluff - 578 George	72,008			72,008
Sewer	Lift Station Building	Fern Park - 1231 Beadle L	72,008			72,008
Sewer	Lift Station Building	Woodland Beach - 1111 Bea	72,008			72,008
Sewer	Lift Station Building	South Lane - 13655 Beadle	72,008			72,008
Sewer	Lift Station Building	Monroe Beach - 1671 Beadle	72,008			72,008
Sewer	Lift Station Building	E Drive - 7523 E Drive No	72,008			72,008
Sewer	Lift Station Building	Kistler Rd - 3072 Beadle	72,008			72,008
Sewer	Lift Station Building	Council Crest Circle - 41	72,008			72,008
Sewer	Lift Station Building	Grand Castle Terrace - 12	72,008			72,008
Sewer	Lift Station Building	Golden/Pawnee - 622 Golden	72,008			72,008
Sewer	Lift Station Building	Olive/Peck - 1200 Olive S	72,008			72,008
Sewer	Lift Station Building	Princeton Ave.- 236 N. Dr	72,008			72,008
Sewer	Lift Station Building	Bowers St.- 539 Bowers E	72,008			72,008
Sewer	Lift Station Building	Electric Ave. - 331 Elect	72,008			72,008
Sewer	Lift Station Building	Mill St.- 3 Mill St. Emmet	72,008			72,008
Sewer	Lift Station Building	Hawthorne/Huyck - 331 Haw	72,008			72,008
Sewer	Lift Station Building	Raymond Rd. - 966 N.Raym	72,008			72,008
Sewer	Lift Station Building	Chambers - 31 Chambers Em	72,008			72,008
Sewer	Lift Station Building	Wonondoger - 105 Wonondog	72,008			72,008
Sewer	Lift Station Building	Borden 224 Borden Dr.. Pe	72,008			72,008
Sewer	Lift Station Building	North St.Mary's Lake - 2	72,008			72,008
Sewer	Lift Station Building	MEA - 202 St.Mary's Lake	72,008			72,008
Sewer	Lift Station Building	StateHome II/15500W. Dick	72,008			72,008
Sewer	Lift Station Building	St. Mary's Lake # 1 - 107	72,008			72,008
Sewer	Lift Station Building	St. Mary's Lake # 2 - 123	72,008			72,008
Sewer	Lift Station Building	St. Mary's Lake # 3 - 131	72,008			72,008
Sewer	Lift Station Building	St. Mary's Lake # 4 - 145	72,008			72,008
Sewer	Lift Station Building	St. Mary's Lake # 5 - 156	72,008			72,008
Sewer	Lift Station Building	St. Mary's Lake # 6 - 172	72,008			72,008
Sewer	Lift Station Building	St. Mary's Lake # 7 - 179	72,008			72,008
Sewer	Lift Station Building	St. Mary's Lake # 8 - 203	72,008			72,008
Sewer	Lift Station Building	St. Mary's Lake # 9 - 105	72,008			72,008
Sewer	Lift Station Building	St. Mary's Lake # 11 - 15	72,008			72,008
Sewer	Lift Station Building	St. Mary's Lake # 12 - 25	72,008			72,008
Sewer	Lift Station Building	100 Base Ave. Springfield	72,008			72,008
Sewer	Lift Station Building	10301 F Drive North Emmet	72,008			72,008
Sewer	Lift Station Building	400 Buckner Dr.	72,008			72,008
Sewer	Lift Station Building	Washington/Coolidge 760 N	72,008			72,008
Sewer	Lift Station Building	Sylvan/Halladay 115 1/2 H	72,008			72,008
Sewer	Lift Station Building	Bedford # 1 - 275 Hubbard	72,008			72,008
Sewer	Lift Station Building	Bedford # 2 - 276 1/2 Car	72,008			72,008
Sewer	Lift Station Building	Bedford # 3 - 285 1/2 Car	72,008			72,008
Sewer	Lift Station Building	Bedford # 4 - 303 1/2 Car	72,008			72,008
Sewer	Lift Station Building	Bedford # 5 - 2081 1/2 Ca	72,008			72,008
Sewer	Lift Station Building	Bedford # 6 - 332 1/2 Car	72,008			72,008
Sewer	Lift Station Building	Bedford # 7 - 350 1/2 Car	72,008			72,008
Sewer	Lift Station Building	Bedford # 9 - 510 1/2 Syl.	72,008			72,008
Sewer	Lift Station Building	Bedford # 10 - 520 1/2 Sy	72,008			72,008
Sewer	Lift Station Building	Bedford # 11- 530 1/2 Syl	72,008			72,008
Sewer	Lift Station Building	Bedford # 12 - 532 1/2 Sy	72,008			72,008
Sewer	Lift Station Building	Bedford # 13 - 6571/2 Syl	72,008			72,008
Sewer	Lift Station Building	Bedford # 14 - 701 1/2 Sy	72,008			72,008
Sewer	Lift Station Building	Bedford # 15 - 446 1/2 Sy	72,008			72,008
Sewer	Lift Station Building	Pine Knoll - 530 Pine Know	72,008			72,008
Sewer	Lift Station Building	Jail - 135 E. State St.	72,008			72,008
Sewer	Lift Station Building	C. O. Brown - Bailey Par	72,008			72,008
Sewer	Lift station	1111 Beadle Lake Rd.	73,524			73,524
Sewer	Radio Tower 2 Story	S. Washington & Rittenhouse	31,071			51,000
						<b>116,536,863</b>
Water	Water Maint Shed	252 Brigden Dr.	103,730	103,141		206,871

