



# City of Galena, Illinois

## CAPITAL IMPROVEMENT PLAN

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Fiscal Years 2017 – 2021

*“Planned expenditures for systematically constructing, maintaining, upgrading and replacing the community’s physical plant”*

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Approved  
January 11, 2016

Mayor Terry Renner

Alderspersons:

Pam Bernstein

Charles Fach

Robert Hahn

Jerry Kieffer

Todd Lincoln

Jerry Westemeier

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City Administrator, Mark Moran

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## **THE CAPITAL IMPROVEMENT PLAN**

A capital improvement plan (CIP) is a multi-year schedule of municipal improvements. The schedule usually covers a period of five or six years, but may extend to 10 years and beyond. The Galena CIP spans a five-year period beginning May 1, 2016 (Fiscal Year 2016-17). This plan sets forth the proposed expenditures for systematically constructing, maintaining, upgrading and replacing the community's physical plant or infrastructure, and includes vehicles and other mobile equipment. Capital improvement projects are typically major, infrequent expenditures, such as the construction of a new facility or rehabilitation or major repair of an existing facility. With the relatively small size of our community and budget, this CIP recognizes a project as small as \$10,000 as a capital project. Individual projects from the adopted plan should become part of the capital budget for their respective departments.

In order to be useful as a tool for budgeting and sound financial management, the plan must be updated annually by reviewing existing projects, proposing new projects and extending the program by an additional year. This process should also consider the short term and long-term effects of the expenditures and any associated debt on fund balances and cash flow for operations. The CIP is considered essential for managing and coordinating the efficient expenditure of Galena's public resources.

## **A CAPITAL IMPROVEMENT DEFINED**

A capital improvement project is defined as a major expenditure that includes one or more of the following:

1. Any acquisition of land for a public purpose;
2. Any construction of a new facility (e.g., a public building, water lines, pavilion etc...) or an addition to, or extension of, such a facility;
3. A rehabilitation (i.e., something which is infrequent and would not be considered annual or other recurrent maintenance) or major repair of all or a part of a building, its grounds, or a facility, or of equipment, provided that the cost is \$10,000 or more and the improvement will have a useful life of 10 years or more;
4. Purchase or major equipment (i.e., items with a cost – individually or in total – of \$10,000 or more), which have a useful life of five years or more, including vehicles (rolling stock) if part of a systematic replacement plan;
5. Any planning, feasibility, engineering, or capital design study related to an individual capital improvement project or to a program that is implemented through individual capital improvement projects.

## **DEVELOPING THE GALENA CIP**

The necessity of a CIP was identified in 1991 as a recommendation of the Galena Comprehensive Plan. The city's first CIP was developed in 1999 and has been largely implemented. In 2003, the Galena Comprehensive Plan called for the update of the CIP and in 2004 the city council identified the CIP update as one of the top priorities during the visioning and four-year goal setting process. The CIP was again updated in 2007 and each year since. The staff and administration have made a commitment to updating the plan annually. This section generally describes the process of developing the 2016 Galena CIP and the components of the plan.

### **Staff Involvement**

Developing the recommended capital improvement plan was a lengthy, multi-step process. The process began with each department head identifying the projects and major purchases that he or she would like to see completed over the next five years in his or her respective area(s) of responsibility. Department heads also estimated the cost of each project or purchase, described the relationship to other projects and assigned the projects a priority rating. Nearly 100 projects or purchases were submitted for the five year period. Each project is described in a narrative and the estimated cost is identified in the ***“Attachment A: Individual Project Descriptions”***.

### **Evaluating Projects**

Two separate methods were utilized in an attempt to demonstrate the relative importance of each project or purchase. First, each project or purchase was reviewed against criterion ranging from health and safety to resource conservation. Each criterion used is described in detail in ***Figure 1, “Criteria for Evaluating Capital Improvement Requests”*** on the next page. The results of the evaluation are shown in ***Attachment B, “Evaluation of Projects Using Criteria”***. Second, each department head ranked each project as either a “high”, “medium” or “low” priority. Combined, both methods of evaluation were useful for showing the relative importance or need of each project or purchase.

**FIGURE 1. CRITERIA FOR EVALUATING  
CAPITAL IMPROVEMENT PROJECT REQUESTS**

The following criteria were used to evaluate each of the proposed capital improvement projects or purchases. The results of the evaluation are shown as a matrix, *“Table 2. Evaluation of Requests Using Criteria”*.

<p><b>Risk to Public Safety or Health.</b> To protect against a clear and possibly immediate risk to public safety or public health.</p>
<p><b>Deteriorated Facility.</b> An investment that deals with a deteriorated facility or piece of equipment. The action taken may be either: 1) reconstruction or extensive rehabilitation to extend its useful life to avoid or to postpone replacing it with a new and more costly one; or 2) replacement of the facility or piece of equipment with a new one.</p>
<p><b>Systematic Replacement.</b> An investment that replaces or upgrades a facility or piece of equipment as part of a systematic replacement program. This investment assumes the equipment will be replaced at approximately the same level of service. Some increase in size to allow for normal growth or increased demand is anticipated.</p>
<p><b>Improvement of Operating Efficiency.</b> An investment that substantially and significantly improves the operating efficiency of a department. Or an expenditure that has a very favorable return on investment with a promise of reducing existing, or future, increases in operating expenses (e.g., introduction of a new or improved technology).</p>
<p><b>Coordination.</b> 1) An expenditure that is necessary to insure coordination with another CIP project (e.g., scheduling a sewer project to coincide with a street reconstruction project so that the street is not dug up a year after it is completed); 2) A project that is necessary to comply with requirements imposed by others (e.g., a court order, a change in federal or state law, an agreement with another governmental jurisdiction or agency); or 3) A project that meets established goals or objectives of the City Council and Mayor.</p>
<p><b>Equitable Provision of Services, Facilities.</b> 1) An investment that serves the special needs of a segment of the community's population identified by public policy as deserving of special attention (e.g., the handicapped, the elderly, or low- and moderate-income persons); or 2) An investment that, considering existing services or facilities, makes equivalent facilities or services available to neighborhoods or population groups that are now undeserved in comparison with residents generally.</p>
<p><b>Protection and Conservation of Resources.</b> 1) A project that protects natural resources that are at risk of being reduced in amount or quality; or 2) A project that protects the investment in existing infrastructure against excessive demand or overload that threatens the capacity or useful life of a facility or piece of equipment.</p>
<p><b>New or Substantially Expanded Facility.</b> Construction, or acquisition, of a new facility (including land) or new equipment, or major expansion thereof, that provides a service, or a level of service, not now available.</p>

## Revenue Sources and Projections

The Galena CIP is utilized for planning and budgeting purposes and not as a rigid purchasing plan nor project schedule. Therefore, the while the plan identifies likely revenue sources, it does not contain projections of available revenue for implementation of the plan. One exception is the Street Improvement Sales Tax Fund where a half percent sales tax is dedicated for streets and related infrastructure. Detailed revenue/expense analysis is performed to insure the proposed projects may be accomplished with available revenue from the fund. Sales tax funded projects and all of the CIP's prioritized projects should be evaluated for inclusion in the city's operating budget each fiscal year.

Abbreviations are used throughout the plan for both revenue sources and departments. The abbreviations are shown in Figures 2 and 3 below.

**Figure 2.**  
**Revenue Sources Abbreviations**

Revenue Source	Abbreviation
General Fund Cash	GF
General Fund Financing	GFF
Motor Fuel Tax	MFT
Flood Control Cash	FC
Water Enterprise Cash	WTC
Water Enterprise Financing	WTF
Sewer Enterprise Cash	SWC
Sewer Enterprise Financing	SWF
Fire Department Cash	FD
Grants	GT

**Figure 3.**  
**Department Abbreviations**

Department	Abbreviation
Public Works	DPW
Engineering	ENG
Turner Hall	TH
Administration	ADM
Flood Control	FLD
Water	WAT
Sewer	SEW
Parks	PAR
Police	POL
Fire	FD
Swimming Pool	SP

## Recommended Plan

After identifying all the potential capital projects and purchases, describing them in detail and evaluating their importance, the final plan was developed. The plan is presented as ***“Attachment C: Recommended Capital Improvement Plan”***. The plan was recommended to the Mayor and City Council on January 11, 2016 and approved on January 11, 2016. Again, the projects and purchases from the final plan should be incorporated into the annual operating budget as revenues permit.

**Summary**

The importance of preparing, implementing, and updating the Capital Improvement Plan cannot be over-emphasized. Using the same process described herein, the Capital Improvement Plan will continue to be updated annually to span a full five-year period. New capital improvement requests will be submitted by department heads for evaluation and inclusion in the updated plan. With guidance from the Fund Balance Policy, the Comprehensive Plan, and constituents, elected officials will decide which projects and purchases from the recommended Capital Improvement Plan will be included in the annual budget.

## **CIP PROPOSAL DESCRIPTIONS AND JUSTIFICATIONS OVERVIEW**

In the following section, every CIP project that has been proposed by the various departments of the City is described in detail. Criteria, including the recommendations of the Galena Comprehensive Plan are applied to assess whether a particular project is justified. Each project is defined in the following format:

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Project Title:	<i>Name of the project as used throughout the CIP.</i>
Department:	<i>Name of the department that proposed the project.</i>
Date Submitted:	<i>The date the project was proposed. (Nearly all the projects in this first year of the plan were also proposed this year.)</i>
Project Priority:	<i>The priority of the project relative to other projects within the department.</i>
Project Description:	<i>Description of the project.</i>
CIP Evaluation Criteria:	<i>A list of the applicable criterion from the following page, Figure 1, "Evaluation Criteria for Capital Budget Requests". The criteria are used to evaluate the importance of the project relative to other projects.</i>
Comprehensive Plan:	<i>A statement of whether or not the project can be directly justified by the Galena Comprehensive Plan and, if so, a page number and an excerpt from the plan.</i>
Multi-year:	<i>Identification of whether the project will take more than one year to complete.</i>
Coordination:	<i>Identification of whether the project is dependent on one or more other CIP projects and, if so, a description of the related project(s).</i>
Cost Estimate:	<i>The estimated cost of the project.</i>
Basis of Cost Estimate:	<i>Identification of how the cost estimate was derived.</i>
Funding Source:	<i>Identification of the proposed funding for the project. Possible funding sources include, but are not limited to:</i>
	<ul style="list-style-type: none"><li>• <i>General Fund Reserves</i></li><li>• <i>General Fund Financing</i></li><li>• <i>Motor Fuel Tax</i></li><li>• <i>Flood Control Cash</i></li><li>• <i>Capital Projects Fund Reserves</i></li><li>• <i>Capital Projects Fund Financing</i></li><li>• <i>Water Enterprise Cash</i></li><li>• <i>Water Enterprise Financing</i></li><li>• <i>Sewer Enterprise Reserves</i></li><li>• <i>Sewer Enterprise Financing</i></li><li>• <i>Grants</i></li><li>• <i>Donations</i></li></ul>

## ATTACHMENT A. INDIVIDUAL PROJECT DESCRIPTIONS (FY 2017-2021)

### PUBLIC WORKS

Project Title:	<b>5-Year Street Improvement Program (See Appendix A)</b>
Department:	Public Works/Engineering
Date Submitted:	January 2016
Project Priority:	High
Project Description:	Includes all street improvement work planned for the five-year plan period. Projects to completed with the non-home rule sales tax revenues are listed in the 5-Year Street Improvement Plan and detailed in Appendix C.
CIP Evaluation Criteria:	Deteriorated Facility, Systematic Replacement, Equity Provision, Coordination, Operating Efficiency
Comprehensive Plan:	P. 108 "Budget for road improvements through the CIP process."
Multi-Year:	No
Coordination:	Yes. Projects are scheduled to coincide with underground utility work as much as possible.
Cost Estimate:	\$1,053,254
Basis of Cost Estimate:	Estimates based on measured quantities and prices from recent projects
Funding Source:	Capital Projects Fund (Sales Tax Fund)

Project Title:	<b>Downtown sidewalk and crosswalk replacement</b>
Department:	Public Works
Date Submitted:	December 2008
Project Priority:	High
Project Description:	Replace deteriorated concrete sidewalks and crosswalks in the downtown. The replacement plan will be based on the study and recommendations by MSA Professional Services.
CIP Evaluation Criteria:	Deteriorated Facility, Public Safety, Systematic Replacement
Comprehensive Plan:	No direct reference
Multi-year:	Yes
Coordination:	No
Cost Estimate:	\$375,000
Basis of Cost Estimate:	Engineer's estimate
Funding Source:	General Fund

Project Title:	<b>Gateway Park restrooms</b>
Department:	Public Works
Date Submitted:	January 2015
Project Priority:	High
Project Description:	The construction of public restrooms at Gateway Park will complete the installation of all major infrastructure. The foundation and plumbing for the restrooms was installed in 2014. A \$50,000 grant was awarded for the construction of the restroom building, but was rescinded during the state budget impasse. It is assumed that the restrooms will be funded from sources outside the city budget.
CIP Evaluation Criteria:	Expanded/New Facility, Resource Conservation
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	No
Cost Estimate:	\$65,000
Basis of Cost Estimate:	Engineer's estimate and bids
Funding Source:	Grant funded

Project Title:	<b>Paint Highway 20 bridge steps/levee catwalk</b>
Department:	Public Works
Date Submitted:	January 2010
Project Priority:	Medium
Project Description:	The steel stairway from the Highway 20 Bridge to the Depot Parking lot requires painting to avoid deterioration. For cost-efficiency, the stairway painting is paired with the needed painting of the metal flood control catwalk just north of the H.H. Kohlsaas Pedestrian Bridge.
CIP Evaluation Criteria:	Deteriorated Facility
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	No
Cost Estimate:	\$10,000
Basis of Cost Estimate:	Preliminary estimate
Funding Source:	General Fund

CAPITAL IMPROVEMENT PLAN (FY 2017-2021)  
 Individual Project Descriptions

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Project Title:	<b>Replace walkway on Meeker St pedestrian bridge</b>
Department:	Public Works
Date Submitted:	January 2016
Project Priority:	Medium
Project Description:	Replace deteriorated elevated concrete walkway that spans about 20 feet on the west end of the bridge.
CIP Evaluation Criteria:	Deteriorated Facility
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	No
Cost Estimate:	\$22,500
Basis of Cost Estimate:	Engineer's estimate
Funding Source:	General Fund

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Project Title:	<b>Dodge Street storm sewer replacement</b>
Department:	Public Works
Date Submitted:	January 2012
Project Priority:	Medium
Project Description:	Replace deteriorated storm sewer located beneath Dodge Street between Gear Street and South Street.
CIP Evaluation Criteria:	Deteriorated Facility, Systematic Replacement
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	No
Cost Estimate:	\$25,000
Basis of Cost Estimate:	Engineer's estimate
Funding Source:	General Fund

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Project Title:	<b>Gear Street sidewalk</b>
Department:	Public Works
Date Submitted:	January 2016
Project Priority:	Medium
Project Description:	Install new sidewalk from West Street to the north to existing sidewalk at US Highway 20. This sidewalk will be coordinated with the Gear Street street construction project. The sidewalk has been designed with the street project and is ready for bid.
CIP Evaluation Criteria:	New, Expanded Facility, Health Safety
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	Yes. Coordinate with street project.
Cost Estimate:	\$82,000
Basis of Cost Estimate:	Engineer's estimate
Funding Source:	General Fund

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Project Title:	<b>Sidewalk from US 20 to Cobblestone</b>
Department:	Public Works
Date Submitted:	January 2015
Project Priority:	Medium
Project Description:	Construction of five feet wide sidewalk from the intersection of U.S. Highway 20 and Oldenburg Lane to the beginning of Cobblestone Boulevard. The proposed sidewalk will link the bike path along U.S. Highway 20 to the Cobblestone Crossing Subdivision.
CIP Evaluation Criteria:	New, Expanded Facility, Health Safety
Comprehensive Plan:	No direct reference
Multi-year:	Could be completed in phases
Coordination:	To be coordinated with the completion of the sidewalk along Cobblestone Boulevard
Cost Estimate:	\$47,000
Basis of Cost Estimate:	Engineer's estimate
Funding Source:	General Fund

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Project Title:	<b>Paint Grant Park pedestrian bridge</b>
Department:	Public Works
Date Submitted:	January 2015
Project Priority:	Medium
Project Description:	Paint the protective metal work on the sides of the bridge to prevent deterioration.
CIP Evaluation Criteria:	Deteriorated Facility
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	No
Cost Estimate:	\$25,000
Basis of Cost Estimate:	Preliminary estimate
Funding Source:	General Fund

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CAPITAL IMPROVEMENT PLAN (FY 2017-2021)  
 Individual Project Descriptions

Project Title:	<b>Dewey Avenue bridge replacement</b>
Department:	Public Works
Date Submitted:	January 2015
Project Priority:	Medium
Project Description:	Replace the bridge over Hughlett's Creek on Dewey Avenue. The bridge has been inspected and found to be in poor condition. The project will be coordinated by the County Engineer and paid for with a combination of federal, county and city funds.
CIP Evaluation Criteria:	Deteriorated Facility, Systematic Replacement, Health Safety
Comprehensive Plan:	No direct reference
Multi-year:	Yes, design, funding, and construction
Coordination:	No
Cost Estimate:	\$73,500
Basis of Cost Estimate:	Preliminary estimate
Funding Source:	Motor Fuel Tax
Project Title:	<b>Additional parking at Recreation Park</b>
Department:	Public Works
Date Submitted:	January 2011
Project Priority:	Medium
Project Description:	Add diagonal or perpendicular parking on the east side of the entry road to the pool. Parking could start in front of the Public Works building and extend to the area across from the playground.
CIP Evaluation Criteria:	New, Expanded Facility
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	No
Cost Estimate:	\$25,000
Basis of Cost Estimate:	Preliminary estimate
Funding Source:	General Fund
Project Title:	<b>Annual Sidewalk/Steps Replacement Program</b>
Department:	Public Works
Date Submitted:	January 1999
Project Priority:	Medium
Project Description:	Systematic replacement of deteriorated sidewalks and public stairways throughout the community. The replacement schedule should be based on the results of the comprehensive inventory, condition assessment and prioritization.
CIP Evaluation Criteria:	Deteriorated Facility, Public Safety, Equitable Provision of Facilities, New Facilities
Comprehensive Plan:	P. 112 "Investigate the rehabilitation of sidewalks under the CIP process. This could include a discussion of possible financing mechanisms such as cost sharing or use of the assessment process."
Multi-year:	Yes
Coordination:	Yes. Initiate program after study/inventory is complete.
Cost Estimate:	\$50,000
Basis of Cost Estimate:	Completed inventory of one ward.
Funding Source:	General Fund
Project Title:	<b>Replace Green Street steps (Main to Bench)</b>
Department:	Public Works
Date Submitted:	February 2008
Project Priority:	Medium
Project Description:	Replace deteriorated concrete steps between Main Street and Bench Street on Green Street. These steps were repaired in May 2008 in order to extend the useful life and delay replacement.
CIP Evaluation Criteria:	Deteriorated facility, Public Safety, Systematic Replacement
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	No
Cost Estimate:	\$28,000
Basis of Cost Estimate:	Preliminary contractor estimate
Funding Source:	General Fund

Project Title:	<b>Public Works Rolling Stock Plan (See Appendix D)</b>
Department:	Public Works
Date Submitted:	January 2011
Project Priority:	High
Project Description:	Systematic replacement of public works vehicles and equipment.
CIP Evaluation Criteria:	Deteriorated Facility, Systematic Replacement, Operating Efficiency
Comprehensive Plan:	No direct reference
Multi-year:	Yes
Coordination:	No
Cost Estimate:	\$529,130
Basis of Cost Estimate:	Current cost of vehicles plus inflation factor
Funding Source:	General Fund, Water Fund, Sewer Fund, Flood Control

**ENGINEERING**

Project Title:	<b>Solar Installation at City Hall</b>
Department:	Engineering
Date Submitted:	January 2015
Project Priority:	High
Project Description:	Installation of solar panels on the rooftop of City Hall to provide power for the facility. The project should be based on a cost-benefit analysis with the exploration of the possibility of grant funding. The roof of City Hall was replaced in 2013 in preparation for the installation of solar panels.
CIP Evaluation Criteria:	Resource Conservation, Operating Efficiency, New Facility
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	No
Cost Estimate:	\$82,000
Basis of Cost Estimate:	Engineer's estimate
Funding Source:	General Fund, 60% grant funding

**FLOOD CONTROL**

Project Title:	<b>Flood Control Rolling Stock Plan</b>
Department:	Flood Control
Date Submitted:	January 2015
Project Priority:	High
Project Description:	50% share of cost of trading-in the Public Works end loader every other year.
CIP Evaluation Criteria:	Systematic Replacement, Deteriorated Facility, Operating Efficiency
Comprehensive Plan:	No direct reference
Multi-year:	Yes
Coordination:	No
Cost Estimate:	\$34,500
Basis of Cost Estimate:	Contract cost
Funding Source:	Flood Control Fund

Project Title:	<b>Flood control system storm sewer inspection</b>
Department:	Flood Control
Date Submitted:	January 2016
Project Priority:	High
Project Description:	Inspection of the flood control storm water pipes and manholes in the downtown. The integrity of the system is crucial for preventing flooding in the downtown.
CIP Evaluation Criteria:	Deteriorated Facility
Comprehensive Plan:	No direct reference
Multi-year:	Yes
Coordination:	No
Cost Estimate:	\$15,000
Basis of Cost Estimate:	Preliminary engineer's estimate
Funding Source:	Flood Control Fund, General Fund

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Project Title:	<b>Flood control system storm sewer repair</b>
Department:	Flood Control
Date Submitted:	January 2016
Project Priority:	High
Project Description:	Repair and/or lining of deteriorated pipes and manholes as determined by the flood control system storm sewer inspection.
CIP Evaluation Criteria:	Systematic Replacement, Deteriorated Facility, Operating Efficiency
Comprehensive Plan:	No direct reference
Multi-year:	Yes
Coordination:	No
Cost Estimate:	\$200,000
Basis of Cost Estimate:	Contract cost
Funding Source:	Flood Control Fund

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**WATER**

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Project Title:	<b>Well #6 pump upgrade</b>
Department:	Water
Date Submitted:	January 2016
Project Priority:	High
Project Description:	Lower pump in well to improve draw and water quality.
CIP Evaluation Criteria:	Deteriorated Facility, Health Safety
Comprehensive Plan:	No direct reference.
Multi-year:	No.
Coordination:	No.
Cost Estimate:	\$25,000
Basis of Cost Estimate:	Preliminary estimate
Funding Source:	Water Fund

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Project Title:	<b>Paint and upgrade water tower at Well #5 (Franklin Street)</b>
Department:	Water
Date Submitted:	November 2006
Project Priority:	Medium
Project Description:	In 2006, the water tower on Franklin Street was professionally inspected inside and out. Detailed recommendations were made for repairing, upgrading and painting the tower. Completing the work in the short term will be less expensive than if the facility continues to degrade, but funding availability will dictate timing.
CIP Evaluation Criteria:	Deteriorated Facility, Health Safety
Comprehensive Plan:	No direct reference.
Multi-year:	No.
Coordination:	No.
Cost Estimate:	\$150,000
Basis of Cost Estimate:	Preliminary estimate from consulting engineer
Funding Source:	Water Fund

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Project Title:	<b>East Side Water System DSI-Park Ave water main</b>
Department:	Water
Date Submitted:	January 2016
Project Priority:	Low
Project Description:	Replace 2,225 feet of 6" and 4" water main with 10" water main in order to resolve a low pressure issue at the north end of Park Avenue on the east side of the river. The project is more fully described on page 5-1 of the 2015 Water System Study Report prepared by IIW Engineers and Surveyors.
CIP Evaluation Criteria:	New Facility, Health Safety
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	Yes
Cost Estimate:	\$375,000
Basis of Cost Estimate:	2015 estimate from consulting engineer
Funding Source:	Water Fund

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CAPITAL IMPROVEMENT PLAN (FY 2017-2021)  
 Individual Project Descriptions

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Project Title: **East Side Water System DS2-Highway 20 water main**  
 Department: Water  
 Date Submitted: January 2016  
 Project Priority: Low  
 Project Description: Replace 350 feet of 4" water main with 6" water main under US Highway 20 between Third Street and Fourth Street. This improvement is designed to resolve a low pressure issue in the area of the improvement. The project is more fully described on page 5-1 of the 2015 Water System Study Report prepared by IIW Engineers and Surveyors.  
 CIP Evaluation Criteria: New Facility, Health Safety  
 Comprehensive Plan: No direct reference  
 Multi-year: No  
 Coordination: Yes  
 Cost Estimate: \$85,000  
 Basis of Cost Estimate: 2015 estimate from consulting engineer  
 Funding Source: Water Fund

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Project Title: **East Side Water System DS3-south pressure reduction station**  
 Department: Water  
 Date Submitted: January 2016  
 Project Priority: Low  
 Project Description: Install 900 feet of 6" water main and a 6" pressure reduction station between Bouthillier Street and US Highway 20 in the Fourth Street right-of-way. The improvement is to address a fire flow deficiency in the area of the improvement. The project is more fully described on page 5-1 of the 2015 Water System Study Report prepared by IIW Engineers and Surveyors.  
 CIP Evaluation Criteria: New Facility, Health Safety  
 Comprehensive Plan: No direct reference  
 Multi-year: No  
 Coordination: Yes  
 Cost Estimate: \$200,000  
 Basis of Cost Estimate: 2015 estimate from consulting engineer  
 Funding Source: Water Fund

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Project Title: **East Side Water System WS1-new well and pump house**  
 Department: Water  
 Date Submitted: October 2004  
 Project Priority: Low  
 Project Description: Construct a new well and pump house on the east side of the Galena River adjacent to the Horseshoe Mound reservoir to provide a reliable source of water and water pressure for the east side. The project is more fully described on page 5-2 of the 2015 Water System Study Report prepared by IIW Engineers and Surveyors.  
 CIP Evaluation Criteria: New Facility, Health Safety  
 Comprehensive Plan: No direct reference  
 Multi-year: No  
 Coordination: Yes  
 Cost Estimate: \$1,635,000  
 Basis of Cost Estimate: 2015 estimate from consulting engineer  
 Funding Source: Water Fund

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Project Title: **Water and Sewer Rolling Stock Plan (See Appendix G)**  
 Department: Water and Sewer  
 Date Submitted: January 2015  
 Project Priority: Medium  
 Project Description: Systematic replacement of water and sewer vehicles and rolling equipment.  
 CIP Evaluation Criteria: Deteriorated Facilities, Systematic Replacement, Operating Efficiency  
 Comprehensive Plan: No direct reference  
 Multi-year: Yes  
 Coordination: Yes. Coordinate with Public Works Rolling Stock Plan  
 Cost Estimate: \$93,000  
 Basis of Cost Estimate: Current cost plus inflation factor  
 Funding Source: Water and Sewer Funds

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**SEWER**

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Project Title:	<b>Inflow and infiltration study</b>
Department:	Sewer
Date Submitted:	January 2010
Project Priority:	High
Project Description:	Professional study to determine points of inflow and infiltration of water into the sewer system. Reducing inflow and infiltration can reduce operational costs, including electrical costs.
CIP Evaluation Criteria:	Operating Efficiency, Resource Conservation
Comprehensive Plan:	No direct reference
Multi-year:	Yes, implement recommendations in future year(s)
Coordination:	No
Cost Estimate:	\$20,000
Basis of Cost Estimate:	Estimate
Funding Source:	Sewer Fund

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Project Title:	<b>Bouthillier Street lift station/Park Avenue sewer main</b>
Department:	Sewer
Date Submitted:	January 2011
Project Priority:	High
Project Description:	Installation of a gravity sewer on Park Avenue, Johnson Street and along the railroad tracks to Jackson Street. The gravity sewer will allow approximately 12 properties to be removed from a temporary sewer that avoids a combined sewer/storm sewer.
CIP Evaluation Criteria:	Operating Efficiency, Resource Conservation, Health Safety, New Facility
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	No
Cost Estimate:	\$240,000
Basis of Cost Estimate:	Consulting engineer's estimate
Funding Source:	Sewer Fund

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Project Title:	<b>West end diversion sewer</b>
Department:	Sewer
Date Submitted:	January 2011
Project Priority:	High
Project Description:	Installation of a new sewer main near US 20 and Bartell Drive to divert the sewer flow from the west end to the Hughlett's sewer main. This diversion will remove considerable flow from the sewer main on Franklin Street in the area of the schools where sewer backups have repeatedly occurred during heavy rains. Easement acquisition will be necessary to install the diversion sewer.
CIP Evaluation Criteria:	Public Health and Safety, Operating Efficiency, New/Expanded Facility
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	No
Cost Estimate:	\$90,000
Basis of Cost Estimate:	Estimate
Funding Source:	Sewer Fund

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Project Title:	<b>Hughlett Creek sewer main replacement</b>
Department:	Sewer Fund
Date Submitted:	October 2004
Project Priority:	Low
Project Description:	Replace under sized and deteriorated sewer main in the Hughlett Creek valley below Dewey Avenue.
CIP Evaluation Criteria:	Systematic Replacement, Expanded Facility
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	No
Cost Estimate:	\$75,000
Basis of Cost Estimate:	Similar projects
Funding Source:	Sewer Fund

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Project Title:	<b>Madison and Fifth Street sewer main extension</b>
Department:	Sewer
Date Submitted:	October 2004
Project Priority:	Low
Project Description:	Install sanitary sewer main in the area of Madison Street and Fifth Street to convert eight homes from septic to public sewer. This is the largest cluster of septic within the city limits.
CIP Evaluation Criteria:	New Facility, Equitable Provision of Services, Health Safety
Comprehensive Plan:	P. 113 "Where feasible, connect all residences not currently served with sanitary sewer and water to the City's system to protect the
Multi-year:	No
Coordination:	No
Cost Estimate:	\$220,000
Basis of Cost Estimate:	Similar projects
Funding Source:	Sewer Fund

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**PUBLIC SAFETY**

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Project Title:	<b>Police Rolling Stock Plan</b>
Department:	Police
Date Submitted:	January 2015
Project Priority:	High
Project Description:	Systematic plan to replace squad cars in the Police Department. Replacement plan should be based on operating cost per mile, disruption to operations resulting from repairs and safety of the vehicles.
CIP Evaluation Criteria:	Deteriorated Facility, Systematic Replacement, Operating Efficiency
Comprehensive Plan:	P. 115 "Identify grant funding and other outside sources that will aid in purchasing capital equipment and the construction of new
Multi-year:	No
Coordination:	No
Cost Estimate:	\$175,057
Basis of Cost Estimate:	Estimate based on current costs of new vehicles plus inflation factor
Funding Source:	General Fund

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**FIRE DEPARTMENT**

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Project Title:	<b>Paint exterior of building and replace windows</b>
Department:	Fire
Date Submitted:	January 2010
Project Priority:	Low
Project Description:	Paint exterior of Fire Station and install storm windows.
CIP Evaluation Criteria:	Deteriorated Facility
Comprehensive Plan:	No direct reference.
Multi-year:	No
Coordination:	No
Cost Estimate:	\$50,000
Basis of Cost Estimate:	Estimate
Funding Source:	Fire Fund

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Project Title:	<b>Training center classroom building</b>
Department:	Fire
Date Submitted:	January 2015
Project Priority:	High
Project Description:	Begin construction of new multi-purpose classroom building with vehicle bay.
CIP Evaluation Criteria:	Operating Efficiency, New Facility, Health Safety
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	No
Cost Estimate:	\$300,000
Basis of Cost Estimate:	Estimate
Funding Source:	Fire Fund, not-for-profit Volunteer Fire Department expected to contribute \$100,000 toward total cost

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Project Title:	<b>Concrete Fire Department driveways</b>
Department:	Fire
Date Submitted:	January 2010
Project Priority:	Medium
Project Description:	Replace blacktop driveways in front of garage bays with concrete.
CIP Evaluation Criteria:	Deteriorated Facility, Systematic Replacement
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	No
Cost Estimate:	\$45,000
Basis of Cost Estimate:	Preliminary estimate from contractor
Funding Source:	Fire Fund

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Project Title:	<b>Replace bunker gear</b>
Department:	Fire
Date Submitted:	January 2015
Project Priority:	High
Project Description:	Replace outer protective clothing for all fire fighters.
CIP Evaluation Criteria:	Deteriorated Facility, Systematic Replacement, Health Safety
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	No
Cost Estimate:	\$150,000
Basis of Cost Estimate:	Estimate
Funding Source:	Fire Fund

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Project Title:	<b>Replace SCBA gear</b>
Department:	Fire
Date Submitted:	January 2015
Project Priority:	Medium
Project Description:	Replace self contained breathing apparatus (SCBA)
CIP Evaluation Criteria:	Deteriorated Facility, Systematic Replacement, Health Safety
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	No
Cost Estimate:	\$50,000
Basis of Cost Estimate:	Estimate
Funding Source:	Fire Fund

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Project Title:	<b>Fire Department Rolling Stock Plan</b>
Department:	Fire
Date Submitted:	January 2016
Project Priority:	Medium
Project Description:	Systematic replacement of fire vehicles. (See Fire Department Rolling Stock Plan)
CIP Evaluation Criteria:	Deteriorated Facility, Systematic Replacement
Comprehensive Plan:	P. 115 "Develop a long term capital equipment and staffing plan for the Police and Fire Departments, based on population, tourism and growth projections."
Multi-year:	No
Coordination:	No
Cost Estimate:	\$1,500,000
Basis of Cost Estimate:	Review of current costs plus inflation
Funding Source:	Fire Fund, borrowing

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**PARKS AND RECREATION**

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Project Title:	<b>Grant Park sidewalk replacement</b>
Department:	Parks
Date Submitted:	February 2008
Project Priority:	High
Project Description:	Continuation of program to replace all deteriorated sidewalks Grant Park. This should be the final year of replacement.
CIP Evaluation Criteria:	Health Safety, Deteriorated Facility, Systematic Replacement
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	No
Cost Estimate:	\$10,000
Basis of Cost Estimate:	Contractor estimate
Funding Source:	Park Fund

CAPITAL IMPROVEMENT PLAN (FY 2017-2021)  
Individual Project Descriptions

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Project Title:	<b>Construction of Galena River Trail: Phase 3 to Aiken</b>
Department:	Parks
Date Submitted:	November 2006
Project Priority:	High
Project Description:	Construction of the final phase of the Galena River Trail. Includes trail building and fencing to separate the trail from the live railroad. All property has been acquired and design is complete. Two grants secured for design and construction.
CIP Evaluation Criteria:	Expanded Facility, Resource Conservation
Comprehensive Plan:	P. 121 "Develop a bike route plan that connects the City's bike routes to external routes, such as the Grand Illinois Trail, and surrounding parks and natural areas."
Multi-year:	Yes
Coordination:	No
Cost Estimate:	\$1,300,000
Basis of Cost Estimate:	Engineer's estimate
Funding Source:	IDOT Grant Funds

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Project Title:	<b>Canoe and kayak launch</b>
Department:	Parks
Date Submitted:	January 2015
Project Priority:	High
Project Description:	Construction of a canoe, kayak launch and park south of the U.S. Highway 20 bridge and east of the Gazette parking lot. The project is expected to be completely grant funded.
CIP Evaluation Criteria:	Expanded Facility, Resource Conservation
Comprehensive Plan:	No direct reference
Multi-year:	No
Coordination:	Water main replacement to occur in the parking lot before start of the project
Cost Estimate:	\$110,000
Basis of Cost Estimate:	Engineer's estimate
Funding Source:	DNR grant funds, community funds

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Project Title:	<b>Depot improvements for Amtrak</b>
Department:	Parks
Date Submitted:	January 2010
Project Priority:	Low
Project Description:	Construct new platform and associated facilities for Amtrak passenger train service. Date of train service is unknown.
CIP Evaluation Criteria:	Deteriorated Facility, Expanded Facility
Comprehensive Plan:	No direct reference.
Multi-year:	No
Coordination:	No
Cost Estimate:	\$300,000
Basis of Cost Estimate:	Preliminary estimate based on similar platform projects
Funding Source:	General Fund, Grant Funds

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Project Title:	<b>Grant Park fountain and monument</b>
Department:	Parks
Date Submitted:	January 2013
Project Priority:	Medium
Project Description:	Replace all concrete sidewalk around Soldier's Monument and rehab fountain--both in Grant Park. Projects to be in partnership with the Galena Foundation.
CIP Evaluation Criteria:	Systematic Replacement, Health Safety, Deteriorated Facility
Comprehensive Plan:	P. 119 "Develop a comprehensive maintenance program for the parks. This program should be part of the regular Capital
Multi-year:	No
Coordination:	No
Cost Estimate:	\$25,000
Basis of Cost Estimate:	Cost of similar projects
Funding Source:	Park Fund and grants from the Galena Foundation.

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Project Title: **Replace Grant Park basketball court**  
 Department: Parks  
 Date Submitted: November 2006  
 Project Priority: Low  
 Project Description: Replace deteriorated concrete court in Grant Park.  
 CIP Evaluation Criteria: Systematic Replacement, Health Safety, Deteriorated Facility  
 Comprehensive Plan: P. 119 "Develop a comprehensive maintenance program for the parks. This program should be part of the regular Capital Improvement Plan."  
 Multi-year: No  
 Coordination: No  
 Cost Estimate: \$32,000  
 Basis of Cost Estimate: Cost of similar projects  
 Funding Source: Park Fund

Project Title: **Swimming pool maintenance and improvements**  
 Department: Pool  
 Date Submitted: January 2016  
 Project Priority: High, Medium, Low  
 Project Description: Numerous maintenance and improvement projects implemented over a multi-year period. The projects are more fully described in Appendix H, "Swimming Pool Maintenance and Improvement Plan."  
 CIP Evaluation Criteria: Systematic Replacement, Health Safety, Deteriorated Facility, Expanded Facility  
 Comprehensive Plan: P. 119 "Develop a comprehensive maintenance program for the parks. This program should be part of the regular Capital Improvement Plan."  
 Multi-year: Yes  
 Coordination: No  
 Cost Estimate: \$303,140  
 Basis of Cost Estimate: Quotes and estimates  
 Funding Source: Pool Fund

**TURNER HALL**

Project Title: **Turner Hall maintenance and improvements**  
 Department: Turner Hall  
 Date Submitted: January 2016  
 Project Priority: Medium  
 Project Description: Numerous maintenance and improvement projects implemented over a multi-year period. The projects are more fully described in Appendix I, "Turner Hall Maintenance and Improvement Plan."  
 CIP Evaluation Criteria: Resource Conservation, Operating Efficiency, Deteriorated Facility, Systematic Replacement, Expanded Facility  
 Comprehensive Plan: P. 121 "Continue to better utilize Turner Hall."  
 Multi-year: Yes, two year project  
 Coordination: No  
 Cost Estimate: \$607,500  
 Basis of Cost Estimate: Estimates  
 Funding Source: Turner Hall Fund, General Fund, grants

## ATTACHMENT B. EVALUATION OF PROJECTS USING CRITERIA (FY 2017-2021)

Dept.	Project Description	Criterion							
		Health/Safety Risk	Systematic Replacement	Deteriorated Facility	Equitable Provision	Operating Efficiency	Coordination	New/Expanded Facility	Resource Conservation
<b>Public Works</b>									
DPW	5-Year Street Improvement Program (See Appendix A)		X	X	X	X	X		
DPW	Downtown sidewalk and crosswalk replacement	X	X	X					
DPW	Gateway Park restrooms							X	X
DPW	Paint Highway 20 bridge steps/levee catwalk			X					
DPW	Replace walkway on Meeker St pedestrian bridge			X					
DPW	Dodge Street storm sewer replacement		X	X					
DPW	Gear Street Sidewalk	X						X	
DPW	Sidewalk from US 20 to Cobblestone	X						X	
DPW	Paint Grant Park pedestrian bridge			X					
DPW	Dewey Avenue bridge replacement	X	X	X					
DPW	Additional parking at Recreation Park							X	
DPW	Annual Sidewalk/Steps Replacement Program	X		X		X		X	
DPW	Replace Green Street steps (Main to Bench)	X	X	X					
DPW	Public Works Rolling Stock Plan		X	X		X			
<b>Engineering</b>									
ENG	Solar Installation at City Hall					X		X	X
<b>Flood Control</b>									
FLD	Flood Control Rolling Stock Plan		X	X		X			
FLD	Flood control system storm sewer inspection			X					
FLD	Flood control system storm sewer repair		X	X		X			
<b>Water</b>									
WAT	Well #6 pump upgrade	X		X					
WAT	Paint and upgrade water tower at Well #5 (Franklin Street)	X		X					
WAT	East Side Water System DSI-Park Ave water main	X						X	
WAT	East Side Water System DS2-Highway 20 water main	X						X	
WAT	East Side Water System DS3-south pressure reduction station	X						X	
WAT	East Side Water System WS1-new well and pump house	X						X	
WAT	Water Rolling Stock Plan		X	X		X			

	Project Description	Health/Safety Risk	Systematic Replacement	Deteriorated Facility	Equitable Provision	Operating Efficiency	Coordination	New/Expanded Facility	Resource Conservation
<b>Sewer</b>									
SEW	Inflow and infiltration study					X			X
SEW	Bouthillier Street lift station/Park Avenue sewer main					X			X
SEW	West end diversion sewer	X				X		X	X
SEW	Hughlett Creek sewer main replacement	X				X		X	
SEW	Madison and Fifth Street sewer main extension		X					X	
SEW	Sewer Rolling Stock Plan	X			X			X	
<b>Public Safety</b>									
POL	Police Rolling Stock Plan		X	X		X			
<b>Fire</b>									
FD	Paint exterior of building and replace windows			X					
FD	Training center classroom building	X				X		X	
FD	Concrete Fire Department driveways		X	X					
FD	Replace bunker gear	X	X	X					
FD	Replace SCBA gear	X	X	X					
FD	Fire Department Rolling Stock Plan		X	X					
<b>Culture and Recreation</b>									
PAR	Grant Park sidewalk replacement	X	X	X					
PAR	Construction of Galena River Trail: Phase 3 to Aiken							X	X
PAR	Canoe and kayak launch							X	X
PAR	Grant Park fountain and monument	X	X	X					
PAR	Depot improvements for Amtrak								
PAR	Replace Grant Park basketball court	X	X	X					
SP	Swimming pool maintenance and improvements	X	X	X				X	
TH	Turner Hall maintenance and improvements		X	X		X		X	X

# ATTACHMENT C. RECOMMENDED CAPITAL IMPROVEMENT PLAN (FY 2017-2021)

Dept.	Project Description	Estimated Cost	Grant Funding?	Priority			FY 16/17 Cost	FY 17/18 Cost	FY 18/19 Cost	FY 19/20 Cost	FY 20/21 Cost	Total CIP Cost
				High	Medium	Low						
<b>Public Works</b>												
DPW	5-Year Street Improvement Program (See Appendix A)	\$ 1,053,254		X			\$ 309,843	\$ 122,495	\$ 132,303	\$ 189,588	\$ 299,025	\$ 1,053,254
DPW	Downtown sidewalk and crosswalk replacement	\$ 375,000		X			\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 375,000
DPW	Gateway Park restrooms	\$ 65,000	X	X			\$ 65,000					\$ 65,000
DPW	Paint Highway 20 bridge steps/levee catwalk	\$ 10,000		X			\$ 10,000					\$ 10,000
DPW	Replace walkway on Meeker St pedestrian bridge	\$ 22,500		X			\$ 22,500					\$ 22,500
DPW	Dodge Street storm sewer replacement	\$ 25,000		X				\$ 25,000				\$ 25,000
DPW	Gear Street sidewalk	\$ 115,000			X			\$ 115,000				\$ 115,000
DPW	Sidewalk from US 20 to Cobblestone	\$ 47,000			X		\$ 47,000					\$ 47,000
DPW	Paint Grant Park pedestrian bridge	\$ 25,000			X			\$ 25,000				\$ 25,000
DPW	Dewey Avenue bridge replacement	\$ 73,500	X		X			\$ 73,500				\$ 73,500
DPW	Additional parking at Recreation Park	\$ 25,000			X				\$ 25,000			\$ 25,000
DPW	Annual Sidewalk/Steps Replacement Program	\$ 50,000			X		\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000
DPW	Replace Green Street steps (Main to Bench)	\$ 28,000				X			\$ 28,000			\$ 28,000
DPW	Public Works Rolling Stock Plan	\$ 529,130			X		\$ 108,000	\$ 109,500	\$ 101,630	\$ 84,500	\$ 125,500	\$ 529,130
		\$ 2,443,384					\$ 647,343	\$ 555,495	\$ 371,933	\$ 359,088	\$ 509,525	\$ 2,443,384
<b>Engineering</b>												
ENG	Solar Installation at City Hall	\$ 82,000	X	X			\$ 82,000					\$ 82,000
		\$ 82,000					\$ 82,000	\$ -	\$ -	\$ -	\$ -	\$ 82,000
<b>Flood Control</b>												
FLD	Flood Control Rolling Stock Plan	\$ 34,500		X			\$ 11,500	\$ -	\$ 13,630	\$ -	\$ 12,000	\$ 37,130
FLD	Flood control system storm sewer inspection	\$ 15,000		X			\$ 15,000					\$ 15,000
FLD	Flood control system storm sewer repair	\$ 200,000		X				\$ 200,000				\$ 200,000
							\$ 26,500	\$ 200,000	\$ 13,630	\$ -	\$ 12,000	\$ 252,130
<b>Water</b>												
WAT	Well #6 pump upgrade	\$ 25,000		X			\$ 25,000					\$ 25,000
WAT	Paint and upgrade water tower at Well #5 (Franklin Street)	\$ 150,000			X			\$ 150,000				\$ 150,000
WAT	East Side Water System DSI-Park Ave water main	\$ 375,000			X			\$ 375,000				
WAT	East Side Water System DS2-Highway 20 water main	\$ 85,000			X				\$ 85,000			
WAT	East Side Water System DS3-south pressure reduction station	\$ 200,000			X					\$ 200,000		
WAT	East Side Water System WS1-new well and pump house	\$ 1,635,000			X						\$ 1,635,000	\$ 1,635,000
WAT	Water Rolling Stock Plan	\$ 46,500			X		\$ 9,000	\$ 17,500	\$ -	\$ 20,000	\$ -	\$ 46,500
		\$ 2,491,500					\$ 34,000	\$ 542,500	\$ 85,000	\$ 220,000	\$ 1,635,000	\$ 2,516,500
<b>Sewer</b>												
SEW	Inflow and infiltration study	\$ 20,000		X			\$ 10,000		\$ 10,000			\$ 20,000
SEW	Bouthillier Street lift station/Park Avenue sewer main	\$ 240,000		X			\$ 240,000					\$ 240,000
SEW	West end diversion sewer	\$ 90,000		X				\$ 90,000				\$ 90,000
SEW	Hughlett Creek sewer main replacement	\$ 75,000				X						\$ -
SEW	Madison and Fifth Street sewer main extension	\$ 220,000				X						\$ -
SEW	Sewer Rolling Stock Plan	\$ 46,500			X		\$ 9,000	\$ 17,500	\$ -	\$ 20,000	\$ -	\$ 46,500
		\$ 691,500					\$ 259,000	\$ 107,500	\$ 10,000	\$ 20,000	\$ -	\$ 396,500

Dept.	Project Description	Estimated Cost		Priority			FY 16/17 Cost	FY 17/18 Cost	FY 18/19 Cost	FY 19/20 Cost	FY 20/21 Cost	Total CIP Cost
				High	Medium	Low						
<b>Public Safety</b>												
POL	Police Rolling Stock Plan	\$ 175,057		X			\$ 32,960	\$ 33,949	\$ 34,968	\$ 36,049	\$ 37,131	\$ 175,057
		<b>\$ 175,057</b>					<b>\$ 32,960</b>	<b>\$ 33,949</b>	<b>\$ 34,968</b>	<b>\$ 36,049</b>	<b>\$ 37,131</b>	<b>\$ 175,057</b>
<b>Fire</b>												
FD	Paint exterior of building and replace windows	\$ 50,000		X			\$ 50,000					\$ 50,000
FD	Training center classroom building	\$ 300,000		X			\$ 300,000					\$ 300,000
FD	Concrete Fire Department driveways	\$ 45,000		X			\$ 45,000					\$ 45,000
FD	Replace bunker gear	\$ 150,000			X			\$ 150,000				\$ 150,000
FD	Replace SCBA gear	\$ 50,000				X			\$ 50,000			\$ 50,000
FD	Fire Department Rolling Stock Plan	\$ 1,500,000				X			\$ 1,500,000			\$ 1,500,000
		<b>\$ 2,095,000</b>					<b>\$ 395,000</b>	<b>\$ 150,000</b>	<b>\$ 1,500,000</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ 2,095,000</b>
<b>Culture and Recreation</b>												
PAR	Grant Park sidewalk replacement	\$ 10,000		X			\$ 10,000					\$ 10,000
PAR	Construction of Galena River Trail: Phase 3 to Aiken	\$ 1,300,000	X	X			\$ 1,300,000					\$ 1,300,000
PAR	Canoe and kayak launch	\$ 110,000	X	X			\$ 110,000					\$ 110,000
PAR	Grant Park fountain and monument	\$ 25,000	X		X			\$ 25,000				\$ 25,000
PAR	Depot improvements for Amtrak	\$ 300,000				X						\$ -
PAR	Replace Grant Park basketball court	\$ 32,000				X		\$ 32,000				\$ 32,000
SP	Swimming pool maintenance and improvements	\$ 303,140		X	X	X	\$ 100,500	\$ 14,000	\$ 81,640	\$ 11,000	\$ 96,000	\$ 303,140
		<b>\$ 2,080,140</b>					<b>\$ 1,520,500</b>	<b>\$ 71,000</b>	<b>\$ 81,640</b>	<b>\$ 11,000</b>	<b>\$ 96,000</b>	<b>\$ 1,780,140</b>
TH	Turner Hall maintenance and improvements	\$ 607,500	X	X	X	X	\$ 82,500	\$ 12,500	\$ 12,500	\$ -	\$ 500,000	\$ 607,500
		<b>\$ 607,500</b>					<b>\$ 82,500</b>	<b>\$ 12,500</b>	<b>\$ 12,500</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ 607,500</b>
<b>TOTAL</b>		<b>\$ 10,666,081</b>					<b>\$ 3,053,303</b>	<b>\$ 1,472,944</b>	<b>\$ 2,096,041</b>	<b>\$ 696,137</b>	<b>\$ 2,777,656</b>	<b>\$ 10,096,081</b>

**APPENDIX A: 5-YEAR STREET IMPROVEMENT PROGRAM (FY 2017-2021)**

Street	Location	FY 16/17 Cost	FY 17/18 Cost	FY 18/19 Cost	FY 19/20 Cost	FY 20/21 Cost
<b>FY 16/17</b>						
<b>Sales Tax Projects-Blacktop Overlay</b>						
Claude Street and Field Street	Meeker Street bridge to Public Works building	\$ 154,110				
Hill Street	West Street to Ridge Street	\$ 93,178				
Hill Street	Dodge Street to West Street	\$ 25,371				
Alexander Street	Driscoll Street to end	\$ 18,192				
Bench Street	Gear Street south to South Street	\$ 7,964				
	<b>Sales Tax Projects Total</b>	<b>\$ 298,815</b>				
<b>Alley Resurfacing</b>						
NA						
	<b>Alley Total</b>	<b>\$ -</b>				
<b>Sealcoat</b>						
S. Bench Street	Gear Street to the end	\$ 8,058				
	<b>Sealcoat Total</b>	<b>\$ 8,058</b>				
	<b>TOTAL FY 16/17</b>	<b>\$ 306,873</b>				
<b>FY 17/18</b>						
<b>Sales Tax Projects-Blacktop Overlay</b>						
West Street	Franklin Street to High Street		\$ 60,567			
Elk Street	High Street to Dodge Street to West Street		\$ 19,371			
	<b>Sales Tax Projects Total</b>		<b>\$ 79,938</b>			
<b>Alley Resurfacing</b>						
NA						
	<b>Alley Total</b>		<b>\$ -</b>			
<b>Sealcoat</b>						
School Section	West, Donegan, Dodge, Muir, Bridge and Bluff Streets		\$ 35,980			
	<b>Sealcoat Total</b>		<b>\$ 35,980</b>			
	<b>TOTAL FY 17/18</b>		<b>\$ 115,918</b>			
<b>FY 18/19</b>						
<b>Sales Tax Projects-Blacktop Overlay</b>						
Hickory Street	US 20 north to Ridge Street			\$ 112,291		
Hill Street	High Street east to Prospect Street			\$ 14,008		
	<b>Sales Tax Projects Total</b>			<b>\$ 126,299</b>		
<b>Alley Resurfacing</b>						
Alley	Between Prospect Street and High Street, south of Hill			\$ 6,004		
	<b>Alley Total</b>			<b>\$ 6,004</b>		
<b>Sealcoat</b>						
NA						
	<b>Sealcoat Total</b>			<b>\$ -</b>		
	<b>TOTAL FY 18/19</b>			<b>\$ 132,303</b>		
<b>FY 19/20</b>						
<b>Sales Tax Projects-Blacktop Overlay</b>						
High Street	US 20 to South				\$ 61,928	
Technical Drive	Chetlain Lane north to Industrial Drive				\$ 76,766	
Fourth Street	US 20 to Lafayette				\$ 8,111	
Jefferson, Madison, and Third Street	East of Park Avenue, Third Street between Jefferson Street and Adams				\$ 44,687	
	<b>Sales Tax Projects Total</b>				<b>\$ 191,492</b>	
<b>Alley Resurfacing</b>						
Alley	Between Madison Street and Jefferson Street				\$ 7,886	
	<b>Alley Total</b>				<b>\$ 7,886</b>	
<b>Sealcoat</b>						
NA						
	<b>Sealcoat Total</b>				<b>\$ -</b>	
	<b>TOTAL FY 19/20</b>				<b>\$ 199,378</b>	
<b>FY 20/21</b>						
<b>Sales Tax Projects-Blacktop Overlay</b>						
Industrial Drive	US 20 to Technical Drive					\$ 56,345
Adams Street and Third Street	Adams Street from Park Ave to end and Third from Adams north to end					\$ 42,326
Dodge Street	US 20 to Mars Avenue					\$ 119,997
	<b>Sales Tax Projects Total</b>					<b>\$ 218,668</b>
<b>Alley Resurfacing</b>						
Behind Galena Green	South of Green Street					\$ 17,552
	<b>Alley Total</b>					<b>\$ 17,552</b>
<b>Sealcoat</b>						
Mississippi Street	Bench Street to Dodge Street					\$ 6,042
South Dodge Street	Gear Street to Mississippi					\$ 2,679
Council Hill Road	Hughlett Creek to Buckhill					\$ 11,946
Boggess Street	Fifth Street to US20					\$ 10,200
Electronics Recycling Lot	Meeker Street					\$ 6,150
School Section	West, Donegan, Dodge, Muir, Bridge and Bluff Streets					\$ 38,550
	<b>Sealcoat Total</b>					<b>\$ 75,567</b>
	<b>TOTAL FY 20/21</b>					<b>\$ 311,787</b>
<b>TOTAL CIP COST</b>						<b>\$ 1,066,259</b>



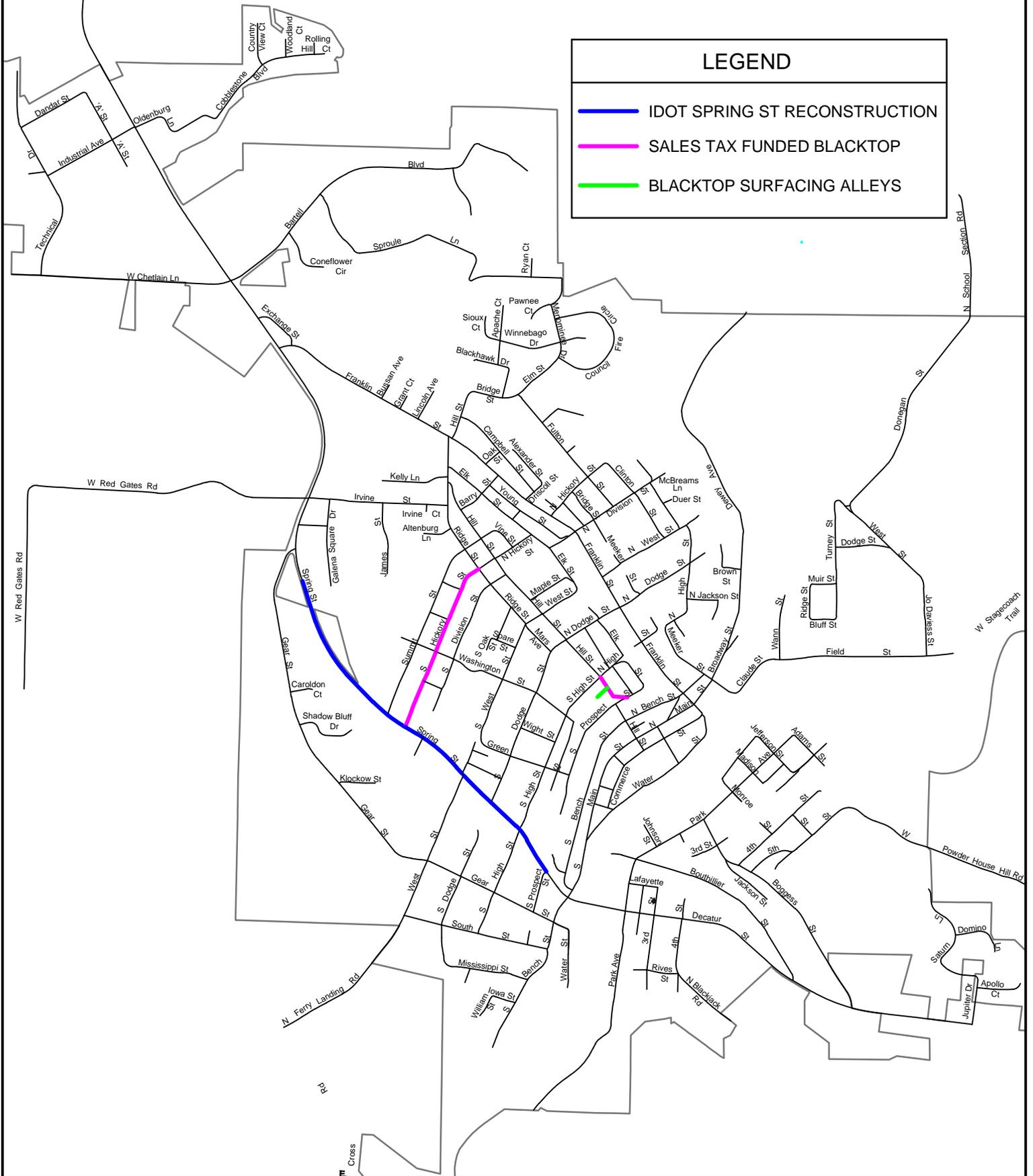


# APPENDIX A1

## CITY OF GALENA - 5 YR. STREET IMPROVEMENT PROGRAM FY 2018-2019

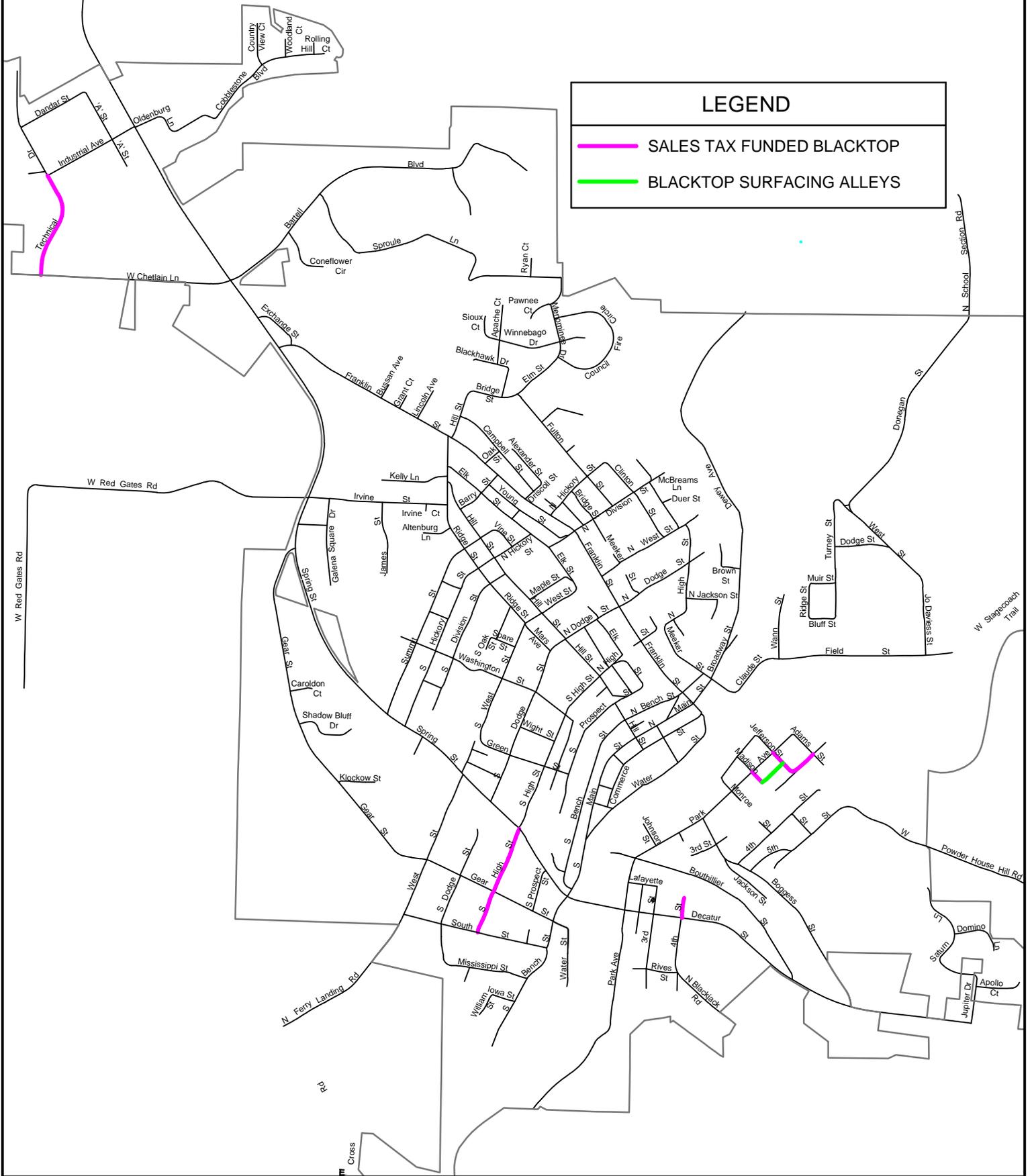
### LEGEND

- IDOT SPRING ST RECONSTRUCTION
- SALES TAX FUNDED BLACKTOP
- BLACKTOP SURFACING ALLEYS



# APPENDIX A1

## CITY OF GALENA - 5 YR. STREET IMPROVEMENT PROGRAM FY 2019-2020





## APPENDIX A2: 5-YEAR ALLEY IMPROVEMENT PLAN

Based on Condition Assessment Conducted February 7, 2012

Map Location	Alley Location Description	Surface Material	(PASER) Condition	Resurfacing Material	Square Feet	Estimated Surfacing Cost	Priority	Construction Year
A	Between Prospect and High (from Green to Washington)	Asphalt	2	Complete Asphalt Reconstruct	-11,000	\$ 32,700	1	Complete
B	Between Prospect and High (south of Green Street)	Asphalt	6	Patch Edges & 1-2" Asphalt Overlay	13,000	\$ 17,000	10	2020-21
C	Between Prospect and High (south of Hill Street)	Asphalt	5	Patch & 1-2" Asph. O.L. or Patch & Crack Seal?	3,900	\$ 6,750	9	2018-19
D	Between Elk and Hill (from Prospect to High)	Asphalt	1	Complete Asphalt Reconstruct	-8,700	\$ 26,000	3	Complete
E	North of Franklin (between Driscoll and Hickory)	Asphalt	2	Complete Asphalt Reconstruct	-5,400	\$ 7,300	6	Complete
F	Between Elk and Hill (from Dodge to High)	Asphalt	1	Complete Asphalt Reconstruct	-10,300	\$ 30,650	2	Complete
G	Between Franklin and Bridge (from Division to Hickory)	Asphalt	1	Complete Asphalt Reconstruct	-7,300	\$ 7,300	5	Complete
H	Between Main and Bench (north of Hill Street)	Gravel	1	Complete Asphalt Reconstruct	-4,300	\$ 12,800	4	Complete
I	Between Park and Third (South of US 20)	Asphalt	1	Complete Asphalt Reconstruct	-3,400	NA	Private	
J	Between Park and Third (from Lafayette to US 20)	Asphalt	4	Patch Edges & 1-2" Asphalt Overlay	-6,600	\$ 11,400	8	Complete
K	Between Park and Third (from Jefferson to Madison)	Asphalt	3	Patch Edges & 1-2" Asphalt Overlay	10,200	\$ 17,700	7	2019-20
<b>TOTAL</b>						<b>\$ 169,600</b>		

NOTE: Cost estimates are based on at least 30-50% of work being completed at same time. Otherwise, mobilization costs for single work items will increase cost.

**APPENDIX B: NON-HOME RULE SALES TAX (1/2%) STREET & INFRASTRUCTURE PROGRAM**  
**Completed Projects**

<i>Completed Projects</i>											
	FY 2008-09	FY 2009-10	FY 2009-10	FY 2010-11	FY 2010-11	FY2011-12	FY2012-13	FY 2013-14	FY 2014-15	FY 2015-16	
<b>Improvement</b>	<b>Bouthillier Street</b>	<b>Dewey Avenue</b>	<b>Jackson Street</b>	<b>Pre-ERP &amp; ERP</b>	<b>Main Street, Meeker Street</b>	<b>Main Street, Gear Street, Flood Pumps</b>	<b>Downtown Flood Pumps</b>	<b>Downtown Flood Pumps</b>	<b>Park Avenue</b>	<b>Kelly Lane, Alleys, Bench Street Repairs</b>	<b>Total</b>
Street (Rating) Condition	3-4 (Poor-Fair)	3-4 (Poor-Fair)	2-3 (Very Poor - Poor)	2-3 (Very Poor - Poor)	4 (Fair)	2-3 (Very Poor - Poor)	4 (Fair)	4 (Fair)	2-3 (Very Poor - Poor)	2-3 (Very Poor - Poor)	
Street Construction	X	X	X	X	X	X			X	X	
Curb & Gutter	X	X	X	X	X	X			X	X	
Sidewalk				X	X	X			X	X	
Water	X		X		X	X			X		
Sanitary Sewer	X		X		X	X			X		
Storm Sewer					X	X	X	X	X		
Engineering					X	X	X	X	X		
<b>Construction Sub-Total</b>											
Contingency (5%)											
<b>CONSTRUCTION TOTAL</b>	<b>\$ 500,500</b>	<b>\$ 398,068</b>	<b>\$ 292,476</b>	<b>\$ 502,521</b>	<b>\$ 751,941</b>	<b>\$ 152,800</b>	<b>\$ 27,150</b>	<b>\$ 746,476</b>	<b>\$ 84,956</b>	<b>\$ 107,000</b>	<b>\$ 3,563,887</b>
Interest Expense	\$ 130,258	\$ 96,996	\$ 77,065	\$ 51,784	\$ 133,674	\$ -	\$ -	\$ 34,270	\$ -		\$ 524,048
<b>TOTAL PROJECT COST</b>	<b>\$ 630,758</b>	<b>\$ 495,064</b>	<b>\$ 369,541</b>	<b>\$ 554,305</b>	<b>\$ 885,615</b>	<b>\$ 152,800</b>	<b>\$ 27,150</b>	<b>\$ 780,746</b>	<b>\$ 84,956</b>	<b>\$ 107,000</b>	<b>\$ 4,087,935</b>

Notes:

1. Street Condition: Based on PASER rating system: 1 - Failed, 2 - Very Poor, 3 - Poor, 4 - Fair, 5 - Fair, 6 - Good, 7 - Good, 8 - Very Good, 9 - Excellent and 10 - Excellent
2. Street Surface: all streets to be blacktop unless otherwise noted
3. The IDOT has indicated that the Gear Street resurfacing will be included in the US 20 project. The surfacing cost is excluded from the Gear Street project cost.
4. Interest expense assumes borrowing at 4.85% interest for 10 years.
5. ERP = Emergency Street Repair Program grant from the Illinois Department of Transportation

## APPENDIX C: NON-HOME RULE SALES TAX (1/2%) STREET & INFRASTRUCTURE PROGRAM

### Recommended Projects and Estimated Project Costs

<i>Recommended Projects</i>							Total Since Inception of Sales Tax Fund in 2008
Improvement	FY 2016-17 Field Street, Hill St, Alexander St, Fourth St, Bench St	FY 2017-18 Elk St, West St	FY 2018-19 Hickory St, Hill St	FY 2019-20 High St, Technical Dr, Jefferson St, Madison St, Third St, Fourth St	FY 2020-21 Industrial Dr, Dodge St, Adams St	Five-Year CIP Total	
Street (Rating) Condition	2-3 (Very Poor - Poor)	3-4 (Poor-Fair)	3-4 (Poor-Fair)	3-4 (Poor-Fair)	3-4 (Poor-Fair)		
Street Construction	\$ 260,842	\$ 98,530	\$ 112,458	\$ 169,471	\$ 269,703	\$ 911,004	
Curb & Gutter						\$ -	
Sidewalk						\$ -	
Water						\$ -	
Sanitary Sewer						\$ -	
Storm Sewer						\$ -	
Engineering	\$ -					\$ -	
<b>Construction Sub-Total</b>	<b>\$ 260,842.05</b>	<b>\$ 98,530</b>	<b>\$ 112,458</b>	<b>\$ 169,471</b>	<b>\$ 269,703</b>	<b>\$ 911,004</b>	
Contingency (15%)	\$ 46,031	\$ 17,388	\$ 19,845	\$ 29,907	\$ 42,084	\$ 155,255	
<b>CONSTRUCTION TOTAL</b>	<b>\$ 306,873</b>	<b>\$ 115,918</b>	<b>\$ 132,303</b>	<b>\$ 199,378</b>	<b>\$ 311,787</b>	<b>\$ 1,066,259</b>	<b>\$ 4,630,146</b>
Interest Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 524,048
<b>TOTAL PROJECT COST</b>	<b>\$ 306,873</b>	<b>\$ 115,918</b>	<b>\$ 132,303</b>	<b>\$ 199,378</b>	<b>\$ 311,787</b>	<b>\$ 1,066,259</b>	<b>\$ 5,154,194</b>

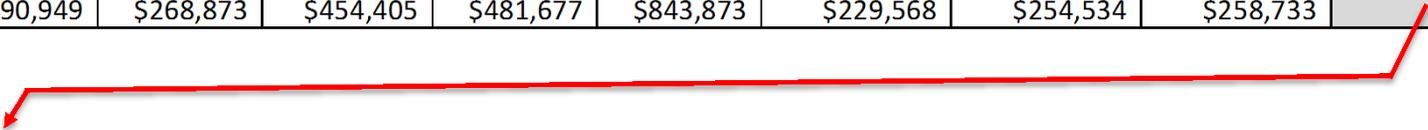
Notes:

1. Street Condition: Based on PASER rating system: 1 - Failed, 2 - Very Poor, 3 - Poor, 4 - Fair, 5 - Fair, 6 - Good, 7 - Good, 8 - Very Good, 9 - Excellent and 10 - Excellent
2. Street Surface: all streets to be blacktop unless otherwise noted
3. The IDOT has indicated that the Gear Street resurfacing will be included in the US 20 project. The surfacing cost is excluded from the Gear Street project cost.
4. Interest expense assumes borrowing at 4.85% interest for 10 years.
5. ERP = Emergency Street Repair Program grant from the Illinois Department of Transportation

## APPENDIX C1: STREET IMPROVEMENT SALES TAX FUND PROJECTED YEAR-END FUND BALANCE

### Fiscal Year

Year-End Fund Balance	2008-09*	2009-10*	2010-11*	2011-12*	2012-13*	2013-14*	2014-15*	2015-16	Continued Below
Fund Balance	\$190,949	\$268,873	\$454,405	\$481,677	\$843,873	\$229,568	\$254,534	\$258,733	



Year-End Fund Balance	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
Fund Balance	\$60,389	\$51,386	\$58,494	\$75,911	\$67,198	\$411,638	\$756,858	\$1,132,858	\$1,508,858

Notes:

\* Actual audited fund balance. All other years are projected based on proposed CIP expenditures.

**APPENDIX D. PUBLIC WORKS DEPARTMENT ROLLING STOCK AND EQUIPMENT PLAN (FY 2017-2021)**

Current Stock		Replacement Stock									
Year	Rolling Stock	Replace With	Priority	Total Cost	FY 16/17 Cost	FY 17/18 Cost	FY 18/19 Cost	FY 19/20 Cost	FY 20/21 Cost	Total CIP Cost	
1961	Air Compressor										
1991	Brush Chipper										
2003	New Holland Utility Tractor*	Same	High	\$ 7,600	\$ 7,600	\$ 7,600	\$ 7,600	\$ 8,000	\$ 8,000	\$ 38,800	
2005	John Deere 410 Backhoe	Same		\$ -						\$ -	
2006	3/4 Ton Dodge Ram (Parks)	Same (used)		\$ -						\$ -	
2007	Sterling 10 Ton Dump w/ Plow	Same	Low	\$ 85,000			\$ 85,000			\$ 85,000	
2007	3/4 Ton Chevy Pickup w/ Plow	Same (used)	Medium	\$ 30,000	\$ 30,000					\$ 30,000	
2008	Tymco Street Sweeper	Same	Low	\$ 120,000					\$ 120,000		
2010	Articulating Boom Mower	Same	High	\$ 18,000	\$ 18,000						
2010	Case 621 End loader w/ Backhoe	Same	High	\$ 23,250	\$ 11,500		\$ 11,750			\$ 23,250	
2011	International 10 Ton Dump w/ Plow/Spreader			\$ -							
2011	Chevy 1 Ton Truck w/ Plow/Spreader	Same	Medium	\$ 80,000		\$ 80,000				\$ 80,000	
2011	748 John Deere Mower	Same	Medium	\$ 22,000		\$ 11,000		\$ 11,000		\$ 22,000	
2011	2850A John Deere Z-Turn Mower	Same	High	\$ 10,000	\$ 10,000					\$ 10,000	
2012	Ford 1 Ton Truck w/ Plow/Spreader/Dump	Same	Low	\$ 70,000				\$ 70,000		\$ 70,000	
2012	John Deere 320 Skid Loader (leased)	Same	Medium	\$ 17,500	\$ 3,000	\$ 3,500	\$ 3,500	\$ 3,500	\$ 4,000	\$ 17,500	
2014	Chevy 1 Ton with Plow/Spreader/Dump	Same		\$ -						\$ -	
2014	Case Mini Excavator	New		\$ -						\$ -	
2015	Ford 1 Ton Truck w/ Plow/Spreader/Dump	Same		\$ -						\$ -	
2015	285 John Deere Z-Turn Mower	Same	Medium	\$ 22,500			\$ 11,000		\$ 11,500	\$ 22,500	
	Brush grappel bucket		High	\$ 3,000	\$ 3,000						
	Bat wing mower attachment for tractor		High	\$ 16,000	\$ 16,000					\$ 16,000	
<b>TOTAL</b>					<b>\$ 524,850</b>	<b>\$ 99,100</b>	<b>\$ 102,100</b>	<b>\$ 118,850</b>	<b>\$ 92,500</b>	<b>\$ 143,500</b>	<b>\$ 556,050</b>

Priority	Description
High	A project that is so imperative that every effort should be made, including the development of a new funding source, to complete the project as soon as possible
Medium	A project that should be completed when sufficient funds are available from established funding mechanisms.
Low	A project that would be desirable but would not address any health, safety, or other critical needs.

\* Replace with John Deere 125 hp tractor @ \$7,600 per year lease. Trade value of current tractor estimated as \$23,000.

## APPENDIX E. FIRE DEPARTMENT ROLLING STOCK PLAN (FY 2017-2021)

Rolling Stock	Priority	Total Cost	FY16/17 Cost	FY17/18 Cost	FY18/19 Cost	FY19/20 Cost	FY20/21 Cost	Total CIP Cost*
Replace Ladder Truck	Medium	\$ 1,500,000			\$ 1,500,000			\$ 1,500,000
<b>TOTAL</b>		<b>\$ 1,500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,500,000</b>

Note:

\* The cost of some vehicle purchases are shared with the Galena Rural Fire District.

\* The proposed ladder truck purchase does not include the revenue from the sale of the current ladder truck. The truck purchase could be delayed based on the performance of the current truck and/or budget.

Priority	Description
High	A project that is so imperative that every effort should be made, including the development of a new funding source, to complete the project as soon as possible.
Medium	A project that should be completed when sufficient funds are available from established funding mechanisms.
Low	A project that would be desirable but would not address any health, safety, or other critical needs.

## APPENDIX F. POLICE DEPARTMENT ROLLING STOCK PLAN (FY 2017-2021)

Rolling Stock	Priority	Total Cost	FY16/17 Cost	FY17/18 Cost	FY18/19 Cost	FY19/20 Cost	FY20/21 Cost	Total CIP Cost
Replace oldest squad with new model	High	\$ 32,960	\$ 32,960					\$ 32,960
Replace oldest squad with new model	High	\$ 33,949		\$ 33,949				\$ 33,949
Replace oldest squad with new model	High	\$ 34,968			\$ 34,968			\$ 34,968
Replace oldest squad with new model	High	\$ 36,049				\$ 36,049		\$ 36,049
Replace oldest squad with new model	High	\$ 37,131					\$ 37,131	\$ 37,131
<b>TOTAL</b>		<b>\$ 175,057</b>	<b>\$ 32,960</b>	<b>\$ 33,949</b>	<b>\$ 34,968</b>	<b>\$ 36,049</b>	<b>\$ 37,131</b>	<b>\$ 175,057</b>

Notes:

1. An inflation factor of 3% per year has been applied.
2. All police vehicle costs are General Fund obligations.
3. Starting in FY 09, an estimated \$4,000 per year from court fines would be dedicated to vehicle purchases.

Priority	Description
High	A project that is so imperative that every effort should be made, including the development of a new funding source, to complete the project as soon as possible.
Medium	A project that should be completed when sufficient funds are available from established funding mechanisms.
Low	A project that would be desirable but would not address any health, safety, or other critical needs.

## APPENDIX G. WATER AND SEWER DEPARTMENT ROLLING STOCK PLAN (FY 2017-2021)

Current Stock		Replacement Stock								
Year	Rolling Stock	Replace With	Priority	Total Cost	FY16/17 Cost	FY17/18 Cost	FY18/19 Cost	FY 19/20 Cost	FY 20/21 Cost	Total CIP Cost*
1984	GMC spreader truck	Same								\$ -
2015	Ford 3/4 ton with utility box	Same								\$ -
2001	Chevy 3/4 ton pickup (red)	Same	High	\$ 18,000	\$ 18,000					\$ 18,000
1996	New Holland LX665 skid steer	Same	Medium	\$ 35,000		\$ 35,000				\$ 35,000
2001	Sniper 747-4000R trailer jet	Same								\$ -
2012	Chevy 3/4 ton w/ utility box/plow	3/4 Ton/plow/box	Medium	\$ 40,000				\$ 40,000		\$ 40,000
										\$ -
	<b>TOTAL</b>			<b>\$ 93,000</b>	<b>\$ 18,000</b>	<b>\$ 35,000</b>	<b>\$ -</b>	<b>\$ 40,000</b>	<b>\$ -</b>	<b>\$ 93,000</b>

Water Cost (1/2 of TOTAL)	\$ 46,500	\$ 9,000	\$ 17,500	\$ -	\$ 20,000	\$ -	\$ 46,500
Sewer Cost (1/2 of TOTAL)	\$ 46,500	\$ 9,000	\$ 17,500	\$ -	\$ 20,000	\$ -	\$ 46,500

## APPENDIX H: SWIMMING POOL MAINTENANCE AND IMPROVEMENT PLAN (FY 2017-2021)

Project #	Year	Priority	Project	Estimated Cost	Project Start
1	FY 16/17	High	New boiler to heat pool	\$15,000	Fall 2016
2	FY 16/17	High	Kiddy pool features: new slide & water arch	\$20,000	Fall 2016
3	FY 16/17	High	Resurface kiddy pool (after new features installed--Fall)	\$25,000	Fall 2016
4	FY 16/17	High	Handicap accessible chair lift	\$5,500	Pre-Season 2016
5	FY 16/17	Medium	Resurface & repair water slide inside and out   10 year warranty & mushroom	\$15,000	Pre-Season 2016
6	FY 16/17	Medium	Security cameras / Rec Park	\$3,500	Pre-Season 2016
7	FY 15/16	Medium	Computerized admissions and concessions	\$1,500	Pre-Season 2016
8	FY 15/16	Low	Install PA / music system	\$12,500	Fall 2016
9	FY 16/17	Low	Private family changing room / handicap accessible	\$2,500	Pre-Season 2016
<b>Total FY 16/17</b>				<b>\$100,500</b>	

Project #	Year	Priority	Project	Estimated Cost	Project Start
1	FY 17/18	Medium	Oversized umbrellas for Kiddy Pool Area	\$8,000	Fall 2017
2	FY 17/18	Medium	Storage shed for chlorine and chemicals	\$5,000	
3	FY 17/18	Low	New pool baskets / storage shelves / self locking storage for valuables	\$1,000	
<b>Total FY 17/18</b>				<b>\$14,000</b>	

Project #	Year	Priority	Project	Estimated Cost	Project Start
1	FY 18/19	High	Resurface Zero Depth area	\$80,640	
2	FY 18/19	Low	Protection and slide fast surface annually	\$1,000	Pre-Season 2018
<b>Total FY 18/19</b>				<b>\$81,640</b>	

Project #	Year	Priority	Project	Estimated Cost	Project Start
1	FY 19/20	High	New water features or other pool enhancement	\$10,000	Fall 2019
2	FY 19/20	Low	Protection and slide fast surface annually	\$1,000	Pre-Season 2018
<b>Total FY 19/20</b>				<b>\$11,000</b>	

Project #	Year	Priority	Project	Estimated Cost	Project Start
1	FY 20/21	High	Resurface Lap Pool	\$85,000	Fall 2020
2	FY 20/21	High	New water features or other pool enhancement	\$10,000	Fall 2020
3	FY 20/21	Low	Protection and slide fast surface annually	\$1,000	Pre-Season 2021
<b>Total FY 20/21</b>				<b>\$96,000</b>	

**TOTAL 5-YEAR PLAN** \$303,140

FUTURE PROJECTS			Project	Estimated Cost
			New large waterslide	\$120,000

## APPENDIX I: TURNER HALL MAINTENANCE AND IMPROVEMENT PLAN (FY 2017-21)

Project #	Year	Priority	Project	Estimated Cost
1	FY 16/17	High	Sprinkler Head Repair	\$15,000
2	FY 16/17	Medium	New Boiler	\$20,000
3	FY 16/17	Medium	Floor Refinishing (year 1)	\$2,500
4	FY 16/17	Medium	Fly Loft	\$45,000
<b>FY 2016-17 TOTAL</b>				<b>\$82,500</b>

Project #	Year	Priority	Project	Estimated Cost
1	FY 17/18	Medium	Floor Refinishing (year 2)	\$2,500
2	FY 17/18	Medium	Energy efficiency projects / upgrades	\$10,000
<b>FY 2017-18 TOTAL</b>				<b>\$12,500</b>

Project #	Year	Priority	Project	Estimated Cost
1	FY 18/19	Medium	Floor Refinishing (year 3)	\$2,500
2	FY 18/19	Medium	Energy efficiency projects / upgrades	\$10,000
<b>FY 2018-19 TOTAL</b>				<b>\$12,500</b>

Project #	Year	Priority	Project	Estimated Cost
1	FY 19/20	Medium	No projects identified	\$0
<b>FY 2018-19 TOTAL</b>				<b>\$0</b>

Project #	Year	Priority	Project	Estimated Cost
1	FY 20/21	Medium	Building addition and remodel with kitchen, bathrooms and storage	\$500,000
<b>FY 2018-19 TOTAL</b>				<b>\$500,000</b>

	<b>TOTAL 5-YEAR PLAN</b>	<b>\$607,500</b>
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