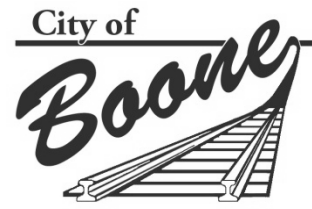


*FY2024 Boone Capital  
Improvements Program (CIP)*

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**Document Contents -**

- *CIP Program Overview*
- [Projects By Department](#)
- [Projects By Funding Source](#)
- [All Projects – Project Descriptions](#)

**Prepared by:  
Boone City Staff  
CIP Committee**

**Public Hearing by the Boone City Council: 2/20/2023**

# *CIP Program Overview*

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## **Capital Improvement Program (CIP)**

The CIP serves a number of important functions for the City of Boone. Some of the most basic functions include the CIP as a formal mechanism for decision making, a link to the long-range goals of the community, a financial management tool, and a reporting tool for communicating financial goals to citizens.

An important aspect of developing the capital improvement program is balancing Boone's needs with our ability to pay for those needs. The process focuses attention on the financial capability of Boone City Government over the long term. Consistency of projects with community goals provides a way to select among competing projects for the limited financial resources available to our City Government.

Below is a detailed outline of the policies that structure the Boone CIP.

## **Capital Expenditure Defined**

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The City of Boone defines a "capital expenditure" as –

1. The project is of a nonrecurring nature
2. Minimum cost of \$12,000
3. Estimated service life of at least 10 years

*Examples:*

1. *The CIP is not intended to include such items as painting and sealing a parking lot; however, it would include the repaving of parking lots.*
2. *The CIP includes the installation of a new roofing surface, but would not include spot patching of a roof.*
3. *The CIP is intended to exclude such items as light poles or playground equipment whose individual replacement costs would be less than \$12,000 but when aggregated would cost more than \$12,000. The exception to that \$12,000 would be when the total of all replacement items is sizeable (i.e., \$40,000 or more). If such items are part of a larger project (e.g. rebuilding a park which includes a playground), then all such items which individually do not qualify as capital, would be considered as capital when presented as a single project.*
4. *Major renovations of existing facilities that cost more than \$12,000 may be submitted for consideration as a capital project. Maintenance of existing facilities, however, should not be included in capital requests. Requests for the funding of maintenance projects should be included in the appropriate operating budget.*

The CIP of Boone shall cover a **FIVE** year time period. The CIP will be reviewed once a year and another year will be added to the program.

## **Priority Classification**

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*The City of Boone will utilize the following to prioritize projects included in the CIP.*

### **CIP Rating Procedure**

- Mandates (legislative/legal/contractual requirements)
- The basics (provide required services, health, safety, general welfare)
- Achieve goals (community growth, new attractions, etc.)

#### **1. Service Level Priority Classification**

- a. Critical - Protects life, health or safety
- b. Maintenance - Allows continuation of existing service at same level, or finishes partially complete project.
- c. Enhancement - Improves services or facilities when obsolete or inadequate.
- d. New Service - Expands scope of existing public service or introduces an entirely new service.

#### **2. Policy Priority Classification**

- a. Legal Requirement - Legislative/legal or contractual obligation.
- b. Safety / Correction - Protects life, health or safety.
- c. Infrastructure - Public domain fixed assets such as roads, bridges, drainage systems, and similar assets that are immovable and of value only to the government unit.
- d. Other - Other than listed above

3. Expected Useful Life - How long until replacement necessary?

4. Effect on operating and maintenance costs - Salaries, repairs, etc.

5. Effect on Revenue Sources - How does this affect City revenues?

6. Grant Reimbursement - Is it available? What match percentage?

## **Budget Policies**

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### **Capital Improvement Budget Policies-**

1. The city will determine the least costly financing method for all new projects.
2. The city will identify the estimated costs and potential funding sources for each capital project proposal before it is submitted to council for approval.

### **Debt Policies-**

1. The city will confine long-term borrowing to capital improvements that cannot be financed from current revenues.
2. When the city finances capital projects by issuing bonds, it will pay back the bonds within a period not to exceed the expected useful life of the project.

3. The city will try to keep the average maturity of GO Bonds at or below 10 years.
4. On all debt-financed projects, the city will make a down payment of at least 5 percent of total project cost from current revenues. The city will maintain a goal of increasing this percentage.
5. Total debt service for general obligation debt will not exceed state allowed total annual locally generated operating revenue.
6. Total general-obligation debt will not exceed 5 percent of the assessed property valuation.
7. Where possible, the city will use special assessment, revenue, or other self-supporting bonds instead of general obligation bonds.
8. The city will maintain good communications with bond rating agencies about its financial condition. The city will follow a policy of full disclosure on every financial report and bond prospectus.

***Revenue Policies-***

1. The city will try to maintain a diversified and stable revenue system to shelter it from short-run fluctuations in any one revenue source.
2. The city will estimate its annual revenues by an objective, analytical process.
3. The city will project revenues for the next **five years** and will update this projection annually. Each existing and potential revenue source will be reexamined annually.
4. The city will establish user charges and fees at a level related to the cost of providing the services.
5. The city will periodically recalculate the full costs of activities supported by fees and adjust accordingly (considering such factors as inflation).
6. The city will try to set fees for other user activities, such as recreational services, at a level to support a majority of the direct and indirect cost of the activity.

# Capital Improvement Plan- Summary

*The following report summarizes all active projects by department based on the year the project is expected to have funds spent.*

City of Boone, Iowa

*Boone CIP*

FY '24 thru FY '28

**PROJECTS BY DEPARTMENT**

Department	Project #	Priority	FY '24	FY '25	FY '26	FY '27	FY '28	Total
<b>Airport</b>								
Fuel Farm Replacement	24AIR-001	1	86,000	777,333				863,333
<b>Airport Total</b>			<b>86,000</b>	<b>777,333</b>				<b>863,333</b>
<b>Cemetery</b>								
New Pole Building for Equipment	19CEM-002	4	100,000					100,000
<b>Cemetery Total</b>			<b>100,000</b>					<b>100,000</b>
<b>Economic Development</b>								
South Marion & West Park Paving	04STR-010	6	1,806,965					1,806,965
Overpass/200th St Paving	20STR-001	2	49,000	49,000				98,000
<b>Economic Development Total</b>			<b>1,855,965</b>	<b>49,000</b>				<b>1,904,965</b>
<b>Fire</b>								
Fire Department Station Addition	22BFD-001	3	652,000					652,000
Fire Department Tanker Apparatus	22BFD-002	1	215,140					215,140
<b>Fire Total</b>			<b>867,140</b>					<b>867,140</b>
<b>Library</b>								
Direct Digital Control System Upgrade	20LIB-001	4	231,000					231,000
<b>Library Total</b>			<b>231,000</b>					<b>231,000</b>
<b>Parks and Recreation</b>								
Sand Filter System	13PRK-007	3	50,000					50,000
McHose Park Tennis Court Resurfacing	22PRK-004	5	50,000					50,000
New Building Doors/Handrails	24PRK-002	3	25,000					25,000
<b>Parks and Recreation Total</b>			<b>125,000</b>					<b>125,000</b>
<b>Public Works</b>								
Emulsion Street Patch Trailer	24PW-002	4	125,000					125,000
Handicap Ramp Replacement Program	04STR-017	2	10,000	10,000	10,000	10,000	10,000	50,000
Sanitary Sewer Management Program (CMOM)	08SWR-001	1	175,000					175,000
<b>Public Works Total</b>			<b>310,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>350,000</b>
<b>Storm Water</b>								
Sewer I/I Investigation	20WWF-001	1	115,000	125,000				240,000
<b>Storm Water Total</b>			<b>115,000</b>	<b>125,000</b>				<b>240,000</b>
<b>Streets</b>								

Department	Project #	Priority	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Street Maintenance Program (Fund 331)	14STR-001	2	296,000	120,000	120,000	120,000	120,000	776,000
<b>Streets Total</b>			<b>296,000</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>776,000</b>
<b>Waste Water</b>								
Automatic/Mechanical Fine Screen	10WWF-006	1	519,500					519,500
Roof Replacement at WWF	14WWF-001	4	410,000					410,000
Clarifier Overhaul	15WWF-001	7	100,000					100,000
Vortex Grit Upgrades, Grit Washer, Pumps, Blowers	24WWF-002	3	583,000					583,000
Removal of Drain Line/Lift Station @ Plant	24WWF-004	3	800,000					800,000
Drainage District 137 Repairs	24WWF-005	1			150,000			150,000
<b>Waste Water Total</b>			<b>2,412,500</b>		<b>150,000</b>			<b>2,562,500</b>
<b>Water</b>								
Lime Slakers	24WTR-002	10	400,000					400,000
Ground Storage Reservoir	13WTR-002	7			1,174,960			1,174,960
High Service Pump	14WTR-003	4	75,000					75,000
Water Plant Roof Replacement	14WTR-005	6	410,000					410,000
Lime Residual Disposal Pond	19WTR-003	2	350,000		350,000			700,000
<b>Water Total</b>			<b>1,235,000</b>		<b>1,524,960</b>			<b>2,759,960</b>
<b>GRAND TOTAL</b>			<b>7,633,605</b>	<b>1,081,333</b>	<b>1,804,960</b>	<b>130,000</b>	<b>130,000</b>	<b>10,779,898</b>

**Report criteria:**

- All Actual Cost data
- All Categories
- All Contacts
- All Departments
- All Estimated Cost data
- All Priority Levels
- All Projects
- All Source Types
- Status: Active
- Type: E or I or M or Z

# Capital Improvement Plan- Summary

*This report summarizes all funding sources per fiscal year for the active projects.*



City of Boone, Iowa

*Boone CIP*

FY '24 thru FY '28

**PROJECTS BY FUNDING SOURCE**

Source	Project #	Priority	FY '24	FY '25	FY '26	FY '27	FY '28	Total
<b>Bond (Levy)</b>								
Vortex Grit Upgrades, Grit Washer, Pumps, Blowers	24WWF-002	3	583,000					583,000
Removal of Drain Line/Lift Station @ Plant	24WWF-004	3	800,000					800,000
<b>Bond (Levy) Total</b>			<b>1,383,000</b>					<b>1,383,000</b>
<b>County</b>								
Drainage District 137 Repairs	24WWF-005	1			45,000			45,000
<b>County Total</b>					<b>45,000</b>			<b>45,000</b>
<b>Grant</b>								
Fire Department Tanker Apparatus	22BFD-002	1	208,571					208,571
Fuel Farm Replacement	24AIR-001	1		777,000				777,000
<b>Grant Total</b>			<b>208,571</b>	<b>777,000</b>				<b>985,571</b>
<b>Local Option Sales Tax (LOST)</b>								
Street Maintenance Program (Fund 331)	14STR-001	2	296,000	120,000	120,000	120,000	120,000	776,000
New Pole Building for Equipment	19CEM-002	4	50,000					50,000
Fire Department Station Addition	22BFD-001	3	48,000					48,000
McHose Park Tennis Court Resurfacing	22PRK-004	5	25,000					25,000
Fuel Farm Replacement	24AIR-001	1	86,333					86,333
Locker Room Remodel	24BPD-001	2	30,000					30,000
New Building Doors/Handrails	24PRK-002	3	25,000					25,000
<b>Local Option Sales Tax (LOST) Total</b>			<b>560,333</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>1,040,333</b>
<b>Other</b>								
South Marion & West Park Paving	04STR-010	6	40,409					40,409
McHose Park Tennis Court Resurfacing	22PRK-004	5	25,000					25,000
<b>Other Total</b>			<b>65,409</b>					<b>65,409</b>
<b>Road Use Tax (RUT)</b>								
Handicap Ramp Replacement Program	04STR-017	2	10,000	10,000	10,000	10,000	10,000	50,000
Overpass/200th St Paving	20STR-001	2	49,000	49,000				98,000
Emulsion Street Patch Trailer	24PW-002	4	125,000					125,000
<b>Road Use Tax (RUT) Total</b>			<b>184,000</b>	<b>59,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>273,000</b>
<b>Sanitary Sewer Receipts</b>								
Sanitary Sewer Management Program (CMOM)	08SWR-001	1	175,000					175,000

Source	Project #	Priority	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Drainage District 137 Repairs	24WWF-005	1	50,000	55,000				105,000
<b>Sanitary Sewer Receipts Total</b>			<b>225,000</b>	<b>55,000</b>				<b>280,000</b>
<b>Sewer Revenue Bond</b>								
Automatic/Mechanical Fine Screen	10WWF-006	1	402,000					402,000
Roof Replacement at WWF	14WWF-001	4	410,000					410,000
<b>Sewer Revenue Bond Total</b>			<b>812,000</b>					<b>812,000</b>
<b>Storm Sewer Receipts</b>								
Sewer I/I Investigation	20WWF-001	1	115,000	125,000				240,000
<b>Storm Sewer Receipts Total</b>			<b>115,000</b>	<b>125,000</b>				<b>240,000</b>
<b>Water Receipts</b>								
High Service Pump	14WTR-003	4	75,000					75,000
Water Plant Roof Replacement	14WTR-005	6	410,000					410,000
Lime Residual Disposal Pond	19WTR-003	2	175,000	175,000	175,000			525,000
<b>Water Receipts Total</b>			<b>660,000</b>	<b>175,000</b>	<b>175,000</b>			<b>1,010,000</b>
<b>Water Revenue Bond</b>								
Ground Storage Reservoir	13WTR-002	7			1,174,960			1,174,960
Lime Slakers	24WTR-002	10	400,000					400,000
<b>Water Revenue Bond Total</b>			<b>400,000</b>		<b>1,174,960</b>			<b>1,574,960</b>
<b>GRAND TOTAL</b>			<b>4,613,313</b>	<b>1,311,000</b>	<b>1,524,960</b>	<b>130,000</b>	<b>130,000</b>	<b>7,709,273</b>

**Report criteria:**

- All Actual Cost data
- All Categories
- All Contacts
- All Departments
- All Estimated Cost data
- All Priority Levels
- All Projects
- All Source Types
- Status: Active
- Type: E or I or M or Z

# Capital Improvement Plan-

## Active Projects

*Descriptions*

*Funding*

*Recommendations*

The following report includes the details for all projects identified as “Active.” This report describes the projects, indicates when the projects will take place, the funding sources and years those funds will be set aside for such projects.

Boone CIP

FY '24 thru FY '28

Department Airport  
 Contact Airport Commission  
 Type Equipment  
 Useful Life 25  
 Category Equipment: Miscellaneous  
 Priority 1 Mandatory  
 Status Active

City of Boone, Iowa

Project # 24AIR-001  
 Project Name Fuel Farm Replacement

Estimated Cost  
 Actual Cost

Total Project Cost: \$863,333

**Description**  
 Remove existing underground Jet A and Avgas Tanks and Cabinets and replace with above ground fuel farm facilities.

**Justification**  
 The existing underground fuel tanks are estimated to be over 30 years old. The life expectancy of fiberglass tanks is 25 years. When the existing tanks begin to leak, the expense of their removal and subsequent clean up will increase the expense of building a new fuel farm facility. Losing fueling capability will essentially cripple the airport's ability to maintain useful viability for aircraft operations as a full service airport and negatively impact revenue.

Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Planning/Design	86,000					86,000
Construction/Maintenance		777,333				777,333
<b>Total</b>	<b>86,000</b>	<b>777,333</b>				<b>863,333</b>

Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Grant		777,000				777,000
Local Option Sales Tax (LOST)	86,333					86,333
<b>Total</b>	<b>86,333</b>	<b>777,000</b>				<b>863,333</b>

**Budget Impact/Other**  
 Pending FAA Grant.  
 11-14-2022 Airport Minutes:  
 Carl Byers advised that due to the timing of the FAA Grant and approval, design will not start until the Spring of calendar year 2024 with construction not occurring until after July 2024 or FY2025

Boone CIP

FY '24 thru FY '28

Department Cemetery  
 Contact Public Works Director  
 Type Unassigned  
 Useful Life 30 years  
 Category Buildings  
 Priority 4  
 Status Active

City of Boone, Iowa

Project # 19CEM-002  
 Project Name New Pole Building for Equipment

Estimated Cost  
 Actual Cost

Total Project Cost: \$100,000

**Description**  
 New 30 x 40 steel building to store supplies and equipment.

**Justification**  
 Existing building is 90 years old and needs a new roof, can see through holes.  
 CIP 11/21/2019:  
 Rouse stated that they have moved some equipment to new park building, allowing to delay the project to a future date and change priority to a 4.

Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Construction/Maintenance	100,000					100,000
<b>Total</b>	<b>100,000</b>					<b>100,000</b>

Prior	Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
50,000	Local Option Sales Tax (LOST)	50,000					50,000
<b>Total</b>	<b>Total</b>	<b>50,000</b>					<b>50,000</b>

**Budget Impact/Other**  
 11/2021 CIP Committee Notes:  
 Pending Funding

Boone CIP

FY '24 thru FY '28

Department Economic Development

City of Boone, Iowa

Contact Administrator

Project # 04STR-010  
 Project Name South Marion & West Park Paving

Type Improvement

Useful Life 50 years

Category Street Paving

Estimated Cost 1980065

Priority 6 Important

Actual Cost

Status Active

Total Project Cost: \$1,980,065

**Description**  
 Pave Marion St. from edge of pavement south to West Park Ave. Also pave West Park Ave from edge of pavement, to Marion St. Functional concept is complete (original numbers are a 2008 cost estimate, updated 2013).

**Justification**  
 South Marion and West Park Ave are minor arterial streets within the federal road designation system. A gravel arterial is a concern.

Prior	Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
173,100	Construction/Maintenance	1,678,865					1,678,865
	Construction Engineering	128,100					128,100
<b>Total</b>	<b>Total</b>	<b>1,806,965</b>					<b>1,806,965</b>

Prior	Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
2,030,000	Other	40,409					40,409
<b>Total</b>	<b>Total</b>	<b>40,409</b>					<b>40,409</b>

**Budget Impact/Other**  
 Funding assumes 80% of all project costs come from STP. 20% local match from RUT.  
 Reduce maintenance cost due to lack of storm sewer and granular surfacing. Also, this will promote further development in the area.  
 Administrator Recommendation 12/2009:  
 Remove this project and make development driven or maintain pending status until development driven.  
 CIP Committee Action 1/7/2010:  
 Committee concurs with Administrator recommendation.  
 Administrator Recommendation 11/9/2010:  
 Funding for the project qualifies under the Surface Transportation Program (STP). This funding will be available in FY2013 along with some portion from bonds.  
 CIP Committee 11/16/2010:  
 Recommend project become active. Future development in the area shall not have driveway access to these new roads. Instead, developer shall create internal roads for access.  
 Administrator Recommendation 10/20/2011:  
 Remain pending, this project should be development driven.  
 CIP Committee 11/18/2011:  
 Project should remain pending. Development driven. This project should be somewhat related to the west Boone water tower.

Administrator Recommendation 11/5/2012:

Remain pending. Note: engineering is proposed to be funded with STP funds. This requires a consultant selection process.

CIP Committee 11/29/2012:

Project should be active. This project will help encourage residential development within the area. Note: engineering is proposed to be funded with STP funds.

Administrator Recommendation 10/16/2014:

This project is a viable option for residential development. This project will help promote growth for the community. If this project is approved, it takes the place of the economic development proposal (14ED-002). I recommend this project remain active. The TIF funding portion is the LMI funds from TIF. This project could be classified as developer driven.

CIP Comments: 11/10/16:

Leave pending, move the project forward a year, development should remain developer driven.

Staff Notes: 10/31/22:

\$180,000 was transferred from the 331 fund to 376 fund in FY 2022

\$40,409 can be transferred from 368 Fund to 376 (cash balance from the Ind. Rd Prj)

376-210-6406 Engineering

376-210-6762 Construction

Boone CIP

FY '24 thru FY '28

Department Economic Development

City of Boone, Iowa

Contact City Engineer

Project #	20STR-001
Project Name	Overpass/200th St Paving

Type Improvement

Useful Life 20 years

Category Street Construction

Priority 2 Critical

Status Active

Estimated Cost

Actual Cost

Total Project Cost: \$280,000

**Description**  
 Joint project with Boone County to pave 200th Street East from Quartz Ave to meet up with the overpass project constructed by DOT at Hwy 17.

**Justification**  
 The construction of a overpass will promote economic development on Industrial Park Road, ease heavy truck traffic within the City of Boone, and reduce the number of RR crossings being blocked by UPRR within the City of Boone.  
 The partnership with the DOT and Boone County makes this project very doable and will greatly benefit the City and their residents.  
 11/2018 CIP Committee Notes:  
 We will know in June 2019 if the target start date gets moved up.

Prior	Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
182,000	Construction/Maintenance	49,000	49,000				98,000
<b>Total</b>	<b>Total</b>	<b>49,000</b>	<b>49,000</b>				<b>98,000</b>

Prior	Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
182,000	Road Use Tax (RUT)	49,000	49,000				98,000
<b>Total</b>	<b>Total</b>	<b>49,000</b>	<b>49,000</b>				<b>98,000</b>

**Budget Impact/Other**  
 The City entered into a 28E agreement with Boone County on February 5, 2018 to pay them after the project is complete \$200,000.00 each year for 3 years at the same time the County is required to make their payment to the DOT. This is based on the project costing 3.2 million dollars. If the project comes in less than the amount the City shall pay will be adjusted accordingly at 40% of the amount due to the DOT with a maximum of \$600,000.00 total over the 3 years.  
 Other= Fareway fund  
 11/2019:  
 Will know in February 2020 if it will be moved up.  
 City has federal appropriations of approximately \$1 million that potentially could cover city's obligation of \$600,000 that was committed to Boone County.  
 10/19/2020 Staff Notes:  
 DOT plans on letting project in January 2021 with an anticipation start date of Spring 2021 and a completion date of FY 2024. County/City received a grant and City share of grant is 40% taking the initial \$600,000 of City share down to \$320,000. Fareway will be covering \$100,000 of the \$320,000.00 and the remaining \$220,000.00 will come from RUT .10 Tax.  
 10/31/2022 Staff Notes: Final City cost is \$280,000. \$100,000 coming from Fareway (received 6/22/22) and the remaining \$180,000 coming from RUT .10 tax. The payments will be divided as follows: FY2022 \$182,000 FY2023 \$49,000 and FY 2024 \$49,000.





Boone CIP

FY '24 thru FY '28

Department Fire  
Contact Fire Chief

City of Boone, Iowa

Project #	22BFD-001
Project Name	Fire Department Station Addition

Type Improvement  
Useful Life 50 years  
Category Buildings  
Priority 3 Very Important  
Status Active

Estimated Cost  
Actual Cost

Total Project Cost: \$698,000

**Description**  
61' x 28' Addition to the Northside of the current fire station this is approximately 1708 square foot. The buidling would be a steel frame addition with brick facing. The building bump out 4' west of the current station and would be even with the back of the station. The addition would also sit about 4' higher above the current addition and have a sloped roof (flat roofs are problematic). Please see attached building drawings.

**Justification**  
The current fire station is a blend of 1938 and 1979 both of which bring unique and rich history along with challenges with ever growing equipment. As an example with the purchase of our newest fire apparatus where we had to remove a wall because the vehicles are too long to fit in the current area. Noted below are some reasons for the addition:  
  
-Currently unable to raise the cab of any of the trucks to where the safety bar is able to be used during maintenance or repairs.  
  
-As we continue to replace fire apparatus the size of the vehicles are not getting smaller as we are incorporating those vehicles to do more jobs and be more efficient.  
  
-Currently the south apparatus bays have a weight capacity which we are currently exceeding even with improvements made a few years ago.  
  
-With the addition of the ambulance we are out of space and having to park vehicles where they are not designed to be. (See attached pictures)  
  
-We currently struggle to find space during inclement weather/winter weather to complete our training. This space would allow us to bring props into the area on trailers and complete our training.  
  
10/2021 Staff Comments:  
The City was awarded a AFG Grant for the purchase of tanker truck. The current floor in the south appartus bay will not hold the weight of new trucks. This project was approved by the State Auditors office for the use of American Rescue Funds.

Prior	Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
46,000	Construction/Maintenance	626,747					626,747
	Construction Engineering	25,253					25,253
<b>Total</b>	<b>Total</b>	<b>652,000</b>					<b>652,000</b>

Prior	Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
650,000	Local Option Sales Tax (LOST)	48,000					48,000
<b>Total</b>	<b>Total</b>	<b>48,000</b>					<b>48,000</b>

**Budget Impact/Other**  
10/2021 Staff Comments:  
Due to the grant funding available for the purchase of a new tanker truck and the ability to use American Rescue Plan Fund for the building expansion.

Boone CIP

FY '24 thru FY '28

Department Fire  
 Contact Fire Chief  
 Type Equipment  
 Useful Life 30 years  
 Category Equipment: Miscellaneous  
 Priority 1 Mandatory  
 Status Active

City of Boone, Iowa

Project # 22BFD-002  
 Project Name Fire Department Tanker Apparatus

Estimated Cost 339489  
 Actual Cost

Total Project Cost: \$339,489

**Description**  
 To obtain a new tanker for shuttling water to and from fire scenes that have limited or no water resources. The truck will hold 2100 gallons of water.

**Justification**  
 The current truck is a 1999 model and doesn't have the ability to dump water in a fast and safe way.

Prior	Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
124,349	Equip/Vehicles/Furnishings	215,140					215,140
<b>Total</b>	<b>Total</b>	<b>215,140</b>					<b>215,140</b>

Prior	Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
130,918	Grant	208,571					208,571
<b>Total</b>	<b>Total</b>	<b>208,571</b>					<b>208,571</b>

**Budget Impact/Other**  
 10/2021 Staff Comments:  
 The City received an AFG grant to pay for 95% of the cost of the tanker.

Boone CIP

FY '24 thru FY '28

Department Library  
Contact Library Director

City of Boone, Iowa

Project #	20LIB-001
Project Name	Direct Digital Control System Upgrade

Type Improvement  
Useful Life 10 years  
Category Buildings  
Priority 4  
Status Active

Estimated Cost  
Actual Cost

Total Project Cost: \$365,000

Description

Upgrade existing pneumatic control system to a direct digital control system (DDC).  
  
10-2022 Staff Update:  
After an engineer was hired to review the DDC system in June of 2022, it became apparent that we would need to replace the VAV boxes (25 boxes located in ceilings) and upgrade the controls.

Justification

Pneumatic systems are becoming more antiquated with increasing maintenance costs and less service techs being trained to service the systems. Solid-state sensors and controllers used in DDC systems have considerable energy-efficiency advantages over conventional pneumatic systems. Substantial advantages are realized in calibration and maintenance, but the critical value lies in the accuracy and reliability of the DDC systems. These features can yield operational energy savings of 15% and greater when compared to the conventional pneumatic system.  
  
10-2022 Staff Update:  
The VAV boxes were put in with the early 1990s remodel and renovations, some have been replaced over the years as they have gone bad. The only way of knowing when one has gone bad is when the temperature is not being regulated properly (thermostat and room temperature do not coincide). This is causing patrons to wear their coats while they visit and staff unable to work comfortably in their work attire. Currently there are several VAV box motors that are not working, we are holding off replacing these because they will need to be replaced when they purchase new VAV box with digital controls.  
  
The purpose of the DDC system typically is to increase user comfort and decrease operational costs. Integration of these systems also may benefit the user or occupants through additional security, safety and peak operational efficiency. The integration of digital controls allows for remote monitoring, decreased operational costs and faster response times. With the dated pneumatic system, we will eventually need to have it done. The issues will only continue getting worse and can't be fixed, so it will need to be replaced.

Prior	Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
134,000	Equip/Vehicles/Furnishings	231,000					231,000
<b>Total</b>	<b>Total</b>	<b>231,000</b>					<b>231,000</b>

Prior  
365,000  
Total

Budget Impact/Other

11/2018 CIP Committee Notes:  
Fund Driven  
  
1/2019 Staff Notes:  
Due to funds being available \$10,000.00 of FY2020 LOST funds will be put a side for this project.  
  
1/2020 Staff Notes:  
An additional \$10,000 from FY2021 LOST will be put aside for this project.  
  
10/19/20 Staff Notes:  
FY 2021 LOST \$10,000.00 Library Board choose to put towards the Greene Street Parking renovations.  
  
10/25/2022 Staff Notes:  
Staff hired an engineer in FY2022 and paid \$15,500 to review the system.



Boone CIP

FY '24 thru FY '28

Department Parks and Recreation

City of Boone, Iowa

Contact Parks Director

Project # 13PRK-007  
 Project Name Sand Filter System

Type Maintenance

Useful Life 20 years

Category Equipment: Miscellaneous

Priority 3 Very Important

Status Active

Estimated Cost

Actual Cost

Total Project Cost: \$50,000

**Description**  
 Sand filter system for pool.

**Justification**  
 Current system is 22 years old and showing significant deterioration. Park staff will monitor and make spot repairs but new system will be needed in future.

Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Equip/Vehicles/Furnishings	50,000					50,000
<b>Total</b>	<b>50,000</b>					<b>50,000</b>

Prior

122,000

Total

**Budget Impact/Other**  
 10/27/14 Park Commission Update:  
 Commission suggested spanning over several years and using LOST.  
 Staff Commetns 11/9/2015:  
 Council gave \$15,000. This will be saved for the project. We will be requesting another \$30,000 this next year.  
 11/24/15 Park Commission Comments:  
 The increase for the request is due to necessary improvements for the slide.  
 CIP Committee 12/15/15:  
 JR will accommodate for \$50,000 over the timeframe of FY16/FY17. Funds will come from various budgets.  
 11/18/19 Staff Comments: Due to the age of the system, staff recommends making this project active, and saving over the next couple years to have the system replaced. (possible funding source is backfill funds that go into the General Fund)  
 10/12/21 Staff Comments: City has invested \$95,000 into a CD for this project. We also have the backfill for FY2022 budgeted to be added to this CD for this project.  
 11/10/21: Staff Comments: Staff received an updated quote for sand filters of \$100,000.00, staff is requesting the remaining \$50,000 in FY2022 backfill dollars be used towards a play structure with the understanding that the Park Dept. needs to seek grant dollars.

Boone CIP

FY '24 *thru* FY '28

Department Parks and Recreation

City of Boone, Iowa

Contact Parks Director

Project # 22PRK-004  
 Project Name McHose Park Tennis Court Resurfacing

Type Maintenance

Useful Life 10 years

Category Park Improvements

Priority 5

Status Active

Estimated Cost

Actual Cost

Total Project Cost: \$50,000

**Description**  
 Six McHose Park Tennis Courts resurfacing and painting of lines.

**Justification**  
 Existing surface and lines are fading and needs replaced. Expansion joints are showing. Last done in 2018.

Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Construction/Maintenance	50,000					50,000
<b>Total</b>	<b>50,000</b>					<b>50,000</b>

Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Local Option Sales Tax (LOST)	25,000					25,000
Other	25,000					25,000
<b>Total</b>	<b>50,000</b>					<b>50,000</b>

**Budget Impact/Other**  
 11-2021 Staff Comments:  
 Will ask the Boone School District to pay half of the cost, which they have in the past.  
  
 11-2022 CIP Committee Comments:  
 Project will depend on Boone School District covering half the cost.

Boone CIP

FY '24 thru FY '28

Department Parks and Recreation

City of Boone, Iowa

Contact Parks Director

Project # 24PRK-002  
 Project Name New Building Doors/Handrails

Type Maintenance

Useful Life 10 years

Category Park Improvements

Priority 3 Very Important

Status Active

Estimated Cost

Actual Cost

Total Project Cost: \$25,000

**Description**  
 Replace old rusted out steel doors, quantity 2 double doors. Replace rusted out handrail along the pool deck.

**Justification**  
 Handrail are rusted out at the base as well as the doors, this is a safety issue.

Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Construction/Maintenance	25,000					25,000
<b>Total</b>	<b>25,000</b>					<b>25,000</b>

Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Local Option Sales Tax (LOST)	25,000					25,000
<b>Total</b>	<b>25,000</b>					<b>25,000</b>

**Budget Impact/Other**



Boone CIP

FY '24 thru FY '28

Department Police  
 Contact Police Chief  
 Type Improvement  
 Useful Life 25  
 Category Buildings  
 Priority 2 Critical  
 Status Active

City of Boone, Iowa

Project # 24BPD-001  
 Project Name Locker Room Remodel

Estimated Cost  
 Actual Cost

Total Project Cost: \$30,000

Description

We do not have a female locker room. With the addition of a female officer to our department and likelihood for more, we need to make accomidations. We need to split our current locker room into two smaller locker rooms, one male and one female. We have the space to do so. We will need to build two walls and purchase the following: door, shower stall, sink, toilet, and flooring.

Justification

In order to make our current female officer, and future female officers feel welcome and equal at our department, we need to have facilities for them.

Prior

30,000

Total

Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Local Option Sales Tax (LOST)	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

Budget Impact/Other

11-2022 CIP Committee Notes:  
 Skare stated that he would like to re-evalutate the cost of the project.

Project #	04STR-017
Project Name	Handicap Ramp Replacement Program

Type	Improvement
Useful Life	40 years
Category	Special Projects
Priority	2 Critical
Status	Active

Estimated Cost  
Actual Cost

Total Project Cost: \$210,000

**Description**  
The project provides for a city-wide program to construct handicap ramps. This project addresses a health or safety need, and maintains service level.

**Justification**  
This project addresses a health or safety need, and maintains service level.

TRANSITION PLAN FOR INSTALLATION OF CURB CUTS  
City of Boone, Iowa - September 2003

Priority 1: Curb cuts will be installed within six months at all locations requested by disabled residents if investigation confirms any existing curb cut and/or ramp is not ADA compliant. The cost of the curb cuts completed under this priority will be funded using the annually allocated amount budgeted for the construction of curb cuts.

Priority 2: Curb cuts will continue to be included on all newly constructed and reconstructed streets as a part of the street project. The cost of the curb cuts completed under this priority will be funded using the monies budgeted for the construction or reconstruction project.

Priority 3: Curb cuts will be included on all rehabilitated and resurfaced streets as a part of the street project. Based on our current street improvement program, many curb cuts will be completed under this priority during the next seven years. The cost of curb cuts completed under this priority will be funded using the monies budgeted for the rehabilitation and resurfacing of streets.

Priority 4: Curb cuts as necessary will be installed during construction of any public sidewalk project completed under the City's existing sidewalk improvement program. This program provides for an allocation for the upgrade of public sidewalks that are assessed to the property owner for payment. The cost of curb cuts completed under this priority will be funded using the annually allocated amount budgeted for the construction of curb cuts if not already depleted under a higher priority.

Priority 5: Any portion of the annual allocation for curb cuts not expended under priorities 1 through 4 will be used to construct curb cuts at various locations throughout the City. Under priority 5 the City will solicit via the local newspaper and e-mail from the web site, for recommended locations from the public. The final determination of curb cut locations will be at the discretion of the Director of Public Works.

Priority 6: Existing curb cuts and ramps that met ADA requirements until July 1, 2001 will be reconstructed using a dimpled surface when streets abutting these ramps are totally reconstructed. The cost of work under this priority will be funded using the monies budgeted for the street reconstruction project.

CIP 11/2019:  
Will need to use on 11th Street

10/19/2020: Staff Notes:  
Per SUDAS standards any major reconstruction of street or new streets require the City to repave or install ADA compliant curbs.

Prior	Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
160,000	Construction/Maintenance	10,000	10,000	10,000	10,000	10,000	50,000
<b>Total</b>	<b>Total</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>50,000</b>

Prior	Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
160,000	Road Use Tax (RUT)	10,000	10,000	10,000	10,000	10,000	50,000

Total	Total	10,000	10,000	10,000	10,000	10,000	50,000
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**Budget Impact/Other**

Committee recommends approval FY2010

Administrator Recommendation 11/5/2010:  
Continue funding per DOT agreement. Agreement Attached to this database.

CIP Committee 11/16/2010:  
Remain active

110-210-6499

11/2018 Staff Notes:  
Majority of ADA Sidewalk replacements are done at the time of street resurfacing or replacing and are included in project cost. The funds designated here are for existing street sidewalk/ADA ramp installs.

Administrator Recommendation 10/20/2011:  
Remain active.

CIP Committee 11/18/2011:  
Project should remain active.

Administrator Recommendation 10/26/2012:  
Remain active.

CIP Committee 11/29/2012:  
Project should remain active.

Boone CIP

FY '24 thru FY '28

Department Public Works

City of Boone, Iowa

Contact Public Works Director

Project #	08SWR-001
Project Name	Sanitary Sewer Management Program (CMOM)

Type Maintenance

Useful Life 40 years

Category Storm Sewer/Drainage

Priority 1 Mandatory

Status Active

Estimated Cost

Actual Cost

Total Project Cost: \$1,657,187

Description

This Program is intended to provide a management guide for the oversight, management, and maintenance of sanitary sewer infrastructure. The program is ongoing with periodic review of the program to determine effectiveness.

This CIP item is associated with and funds the Property Protection Program. As the PPP subsides, more dollars can be directed to sanitary sewer management.

CIP 11/2019:  
Includes funding for lining of Sanitary Sewer.

Justification

The City of Boone is constantly facing maintenance issues related to the sanitary sewer collection system. This program will provide a means for the City to review problem areas and provide funding to repair and maintain our sanitary sewer system in a manner that will prevent emergencies in the future. Furthermore, it is intended that this program will reduce any negative impacts on Boone Citizens by preventing back-ups and other ill effects from an aging sanitary sewer system.

CIP 11/2019:  
Currently have a list of 24 locations.

Prior	Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
1,482,187	Construction/Maintenance	175,000					175,000
<b>Total</b>	<b>Total</b>	<b>175,000</b>					<b>175,000</b>

Prior	Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
1,482,187	Sanitary Sewer Receipts	175,000					175,000
<b>Total</b>	<b>Total</b>	<b>175,000</b>					<b>175,000</b>

Budget Impact/Other

Update 11/9/2010:  
CMOM is anticipated in April of 2011. Current funds have been directed to the PPP, which is being managed by the Building Official. A next key step is the purchase of flow monitor equipment. It is our goal to purchase this equipment with monies dedicated for FY2011.

Administrartor Recommendation 11/9/2010:  
Sewer management is a crucial component of infrastructure in Boone. I recommend this program remain active.

CIP Committee 11/16/2010:  
Remain active

Administrator Recommendation 10/20/2011:  
Remain active.

CIP Committee 11/18/2011:  
Project should remain active.

Administrator Recommendation 10/26/2012:  
Remain active.

CIP Committee 11/29/2012:  
Project should remain active. Numbers should be reviewed and updated. Most funds come from Storm Sewer Receipts.

11/2018 CIP Committee Notes:

Recommended continuing the project.

11/2019 Staff Notes: \$95,000 lining, and \$100,000 INI Study , \$30,000 PPP

Account: 610-817-6497 Lining and INI Study  
740-865-6499 PPP

1/2021 Staff Notes:

610-817-6497 I/I Inspections \$120,000 and \$175,000 for Lining/Sewer Repairs  
740-865-6499 PPP \$30,000

10/2021 Staff Notes:

610-817-6497 I/I Inspections \$125,000 (moved to a separate project under Storm)  
\$50,000 for Lining/Sewer Repairs  
740-865-6499 PPP \$5,000

Boone CIP

FY '24 thru FY '28

Department Public Works

City of Boone, Iowa

Contact Public Works Director

Project # 24PW-002  
 Project Name Emmulsion Street Patch Trailer

Type Equipment

Useful Life 15 years

Category Equipment: PW Equip

Priority 4

Status Active

Estimated Cost

Actual Cost

Total Project Cost: \$125,000

**Description**  
 Emmulsion Street Patch Machine makes hot mix patches with binder and aggregate.

**Justification**  
 Currently the street patching is being contracted out, by the City owning this machine City Staff will be able to do the patching themselves. In addition, the quality of patching we are currently getting is not of the same quality we would be able to achieve with our own machine. This machine would extend the longevity of fastly decaying streets.

Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Equip/Vehicles/Furnishings	125,000					125,000
<b>Total</b>	<b>125,000</b>					<b>125,000</b>

Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Road Use Tax (RUT)	125,000					125,000
<b>Total</b>	<b>125,000</b>					<b>125,000</b>

**Budget Impact/Other**

Boone CIP

FY '24 thru FY '28

Department Storm Water

City of Boone, Iowa

Contact City Engineer

Project #	20WWF-001
Project Name	Sewer I/I Investigation

Type Improvement

Useful Life 20 years

Category Storm Sewer/Drainage

Priority 1 Mandatory

Status Active

Estimated Cost 450000

Actual Cost

Total Project Cost: \$590,000

Description

Inflow and Infiltration (I/I) is the invasion of storm water into the sanitary sewer system from broken, cracked, or misaligned mains or leaking manholes. Other sources of I/I include private (residential and business) services that are cracked or broken with leaking joints and storm water connections from sump pumps.

This project will include basement inspections for sump pump connections into the Sanitary Sewer \, this inspection will be done on an area-by-area basis. Ordinance 2247 passed on September 17, 2018 requires all sump pumps to be disconnected from the sanitary sewer and authorized the City to perform a study to locate these connections.

Justification

Inflow and Infiltration in the sanitary sewer causes backups in basements and a substantial increase in energy needs and rapidly advances the need for repairs and maintenance due to increase burden on the system. I/I also reduces the sewer capacity, which shortens the life of the current treatment facility because of treating additional unnecessary storm water. This repairs, maintenance, and additional treatments significantly increases the cost and financial burden on the citizens and businesses of Boone.

Prior	Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
350,000	Study (engineering, etc.)	115,000	125,000				240,000
<b>Total</b>	<b>Total</b>	<b>115,000</b>	<b>125,000</b>				<b>240,000</b>

Prior	Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
350,000	Storm Sewer Receipts	115,000	125,000				240,000
<b>Total</b>	<b>Total</b>	<b>115,000</b>	<b>125,000</b>				<b>240,000</b>

Budget Impact/Other

FY2019 We will be using a combination of Wastewater and Storm Water receipts to cover the cost of this project.

FY2020 - 2022 staff proposes to use Sanitary Sewer Receipts that have typically been used for CMOM.

FY2020 Actual Expense \$82,727.78  
 FY2021 Actual Bid \$111,049.00  
 FY2022 Actual Bid \$117,992.00

11/2021 CIP Committee Comments:  
 Continue program and have Public Works determine the next area

11-2022 CIP Committee Comments:  
 This will be for Phase 5, anticipating that area to be around the hospital.

Account: 740-865-6498

Boone CIP

FY '24 thru FY '28

Department Streets

City of Boone, Iowa

Contact City Engineer

Project #	14STR-001
Project Name	Street Maintenance Program (Fund 331)

Type Maintenance

Useful Life 20 years

Category Street Reconstruction

Priority 2 Critical

Status Active

Estimated Cost

Actual Cost

Total Project Cost: \$1,386,000

<b>Description</b>
Patching and joint sealing of problem areas throughout the community.

<b>Justification</b>
Road maintenance can greatly extend the life of pavement. Federal STP cannot be used for maintenance. This means that this project must be funded through RUT, LOST or bonds. Essentially this means that if local dollars are not dedicated for this program, the maintenance will not occur.

Prior	Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
610,000	Construction/Maintenance	296,000	120,000	120,000	120,000	120,000	776,000
<b>Total</b>	<b>Total</b>	<b>296,000</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>776,000</b>

Prior	Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
610,000	Local Option Sales Tax (LOST)	296,000	120,000	120,000	120,000	120,000	776,000
<b>Total</b>	<b>Total</b>	<b>296,000</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>776,000</b>

<b>Budget Impact/Other</b>
Council Action 1/13/2014 approved amount for \$250,000 from FY2016 Bond issue.
Staff Comments 11/9/15: Funds being used for various improvements across the community. Some of these funds are also being used for overages for other street projects.
Administration Comments 11/4/16: FY2016 and 2017 went to the Crawford St Prj from 14th to 17th Street FY 2018 is going towards Quartz Ave Project FY2018 Quartz Avenue FY2019 McHose Park Road Overlay FY2020 11th Street (Division St to Linn St) FY2021 11th Street (Division St to Linn St) FY2022 S. Marshall Street (Creek Ave to Hancock) - 367 FY2023 Union Street/S. Linn (331 Fund)
10/31/2022 Staff Notes: Fund 331 Street Maintenance Fund balance is getting very low, would like to transfer the LOST and the RUT .10 tax to the 331 fund to allow for the larger street patching projects to continue.



Boone CIP

FY '24 thru FY '28

Department Waste Water

City of Boone, Iowa

Contact City Engineer

Project #	10WWF-006
Project Name	Automatic/Mechanical Fine Screen

Type Improvement

Useful Life 20 years

Category Wastewater

Priority 1 Mandatory

Status Active

Estimated Cost

Actual Cost

Total Project Cost: \$519,500

Description

This project includes the addition of a second automatic fine screen at the Water Pollution Control Facility. The facility currently has one fine screen and two manual bar screens. The project will include removal of one of the manual bar screens and installing a new automatic fine screen in its place. This would be in use during high flows and would create redundancy if failure of one screen during low flow.

Also a rag cleaner should be included.

10/2022 Staff Update:

Part of the Headworks and RAS Pump Improvements Project that was part of the 2022 Wastewater Study. Prefer a Step Screen.

Justification

The existing automatic fine screen has capacity for approximately 5 mgd flow to the plant. Once the 5 mgd threshold is reached, the influent flow over 5 mgd is directed to the manual bar screens. The bar screens must be manually cleaned by operators which requires constant attention when there are elevated flows to the treatment plant. This results in excess overtime for operators. A second automatic fine screen will raise this threshold to 10 - 15 mgd which is more manageable.

Project will prevent basement flooding at the WWF. This will help reduce damage and reduce overtime callouts of staff.

2017-11 On Intergrated Plan with DNR for 2024

Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Construction/Maintenance	416,875					416,875
Other	19,250					19,250
Construction Engineering	83,375					83,375
<b>Total</b>	<b>519,500</b>					<b>519,500</b>

Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Sewer Revenue Bond	402,000					402,000
<b>Total</b>	<b>402,000</b>					<b>402,000</b>

Budget Impact/Other

CIP Committee 2008:  
This project is a fundability item. This project can be delayed until funds are in place.

Administrator Recommendation 12/2009:  
Remain pending.

Administrator Recommendation 12/2009:  
Remain pending.

CIP Committee 11/16/2010:  
Remain pending to monitor impact of I&I and flow analysis.

Administrator Recommendation 10/20/2011:  
Remain pending.

CIP Committee 11/18/2011:  
Project should remain pending.

CIP Committee 11/29/2012:  
Project should remain pending.

Staff Notes 11/2019:  
Did repairs that may allow us to delay this project; however, it is on the integrated plan for 2024.

Boone CIP

FY '24 *thru* FY '28

Department Waste Water

City of Boone, Iowa

Contact City Engineer

Project #	14WWF-001
Project Name	Roof Replacement at WWF

Type Maintenance

Useful Life 20 years

Category Wastewater

Priority 4

Status Active

Estimated Cost

Actual Cost

Total Project Cost: \$410,000

Description
Flat roofs on buildings have a 20-year life. It has been 20-years. Two large buildings, one medium size and two small. Total of five buildings.

Justification
Currently no issues, but the roofs are 20 + years old.
October 2022 US Water Update: No issues, can be pushed back.

Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Construction/Maintenance	410,000					410,000
<b>Total</b>	<b>410,000</b>					<b>410,000</b>

Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Sewer Revenue Bond	410,000					410,000
<b>Total</b>	<b>410,000</b>					<b>410,000</b>

Budget Impact/Other

Boone CIP

FY '24 thru FY '28

Department Waste Water

City of Boone, Iowa

Contact City Engineer

Project # 15WWF-001  
 Project Name Clarifier Overhaul

Type Maintenance

Useful Life 20 years

Category Wastewater

Priority 7

Status Active

Estimated Cost 100000.00

Actual Cost

Total Project Cost: \$100,000

Description

Inspection, painting, and repairs of the Clarifiers. Both clarifiers need structural inspection of the sludge scrapers and sludge removal manifold. Possible millwork and painting. Painting of cement channel with algae control.

Justification

Clarifiers are an integral part of our treatment process.  
 10/2021 Staff Notes:  
 Having issues with the brushes.

Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Construction/Maintenance	100,000					100,000
<b>Total</b>	<b>100,000</b>					<b>100,000</b>

Prior

100,000

Total

Budget Impact/Other

11/2018 Staff Notes:  
 Inspected in 2018.  
 Staff Notes 11/2019:  
 Just complete repairs in Fiscal Year 2019  
 10/2022 Staff Notes:  
 If funding is available will get done in FY 2023

Boone CIP

FY '24 *thru* FY '28

City of Boone, Iowa

Department Waste Water

Contact Administrator

Type Maintenance

Useful Life 25

Category Wastewater

Priority 3 Very Important

Status Active

Project # 24WWF-002  
 Project Name Vortex Grit Upgrades, Grit Washer, Pumps, Blowers

Estimated Cost

Actual Cost

Total Project Cost: \$583,000

Description

Part of the Headworks Improvements Project recommended in the 2022 Wastewater Plant Study.

Justification

Existing equipment for screening and grit removal is undersized for current and future conditions.

Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Planning/Design	50,000					50,000
Construction/Maintenance	437,500					437,500
Other	58,000					58,000
Construction Engineering	37,500					37,500
<b>Total</b>	<b>583,000</b>					<b>583,000</b>

Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Bond (Levy)	583,000					583,000
<b>Total</b>	<b>583,000</b>					<b>583,000</b>

Budget Impact/Other

Boone CIP

FY '24 thru FY '28

Department Waste Water

City of Boone, Iowa

Contact Administrator

Project # 24WWF-004  
 Project Name Removal of Drain Line/Lift Station @ Plant

Type Improvement

Useful Life 50 years

Category Wastewater

Priority 3 Very Important

Status Active

Estimated Cost

Actual Cost

Total Project Cost: \$800,000

**Description**  
 Removal of the existing drain line (press water, decant from digester, and domestic waste) that leads to the RAS building.

**Justification**  
 Put an inplant lift station in and pump the water to the head works, VLR, or splitter box. Having the line located where its at, makes it difficult to operate the plant efficiently. You cannot decant and waste at the same time with one clarifier on. With having to run two (2) clarifiers all year around it's not cost effective.

Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Construction/Maintenance	800,000					800,000
<b>Total</b>	<b>800,000</b>					<b>800,000</b>

Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Bond (Levy)	800,000					800,000
<b>Total</b>	<b>800,000</b>					<b>800,000</b>

**Budget Impact/Other**

Boone CIP

FY '24 *thru* FY '28

Department Waste Water

City of Boone, Iowa

Contact Public Works Director

Project # 24WWF-005  
 Project Name Drainage District 137 Repairs

Type Improvement

Useful Life 30 years

Category Wastewater

Priority 1 Mandatory

Status Active

Estimated Cost 150000.00

Actual Cost

Total Project Cost: \$150,000

Description

The City's sewer line located at approximately thirty-five (35) feet south of Mamie Eisenhower Avenue's culvert needs altered to prevent the obstruction of the drainage flow of the Main Open Ditch of Drainage District 137

Justification

The Boone County Board of Supervisors, in the capacity as Trustees of Drainage District 137 and the City of Boone entered into a Settlement Agreement on August 10, 2022 regarding allegations pertaining to the City's sewer line causing an obstruction in their drainage flow. Per the Agreement the City will alter the placement of the sewer line.

Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Construction/Maintenance			150,000			150,000
<b>Total</b>			<b>150,000</b>			<b>150,000</b>

Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
County			45,000			45,000
Sanitary Sewer Receipts	50,000	55,000				105,000
<b>Total</b>	<b>50,000</b>	<b>55,000</b>	<b>45,000</b>			<b>150,000</b>

Budget Impact/Other

Per the Settlement Agreement with the Boone County Supervisors/Trustees of the Drainage District, the County Agrees to pay 1/2 of the costs or \$45,000.00, whichever is less.

Boone CIP

FY '24 thru FY '28

Department Water

City of Boone, Iowa

Contact City Engineer

Project # 13WTR-002  
 Project Name Ground Storage Reservoir

Type Improvement

Useful Life 20 years

Category Water

Priority 7

Status Active

Estimated Cost 1174960

Actual Cost

Total Project Cost: \$1,174,960

**Description**

One million gallon reservoir located at the Water Treatment Plant high service pumping grounds.  
 Split tank for cleaning & maintenance.

**Justification**

A two million gallon reservoir was built in the 1950's. Significant repairs are necessary in the foreseeable future.  
 Roof will need to be replaced by 2019 - \$135,000  
 Staff Notes 11/2019:  
 Had divers come in to inspect and floor and walls are fine, roof has some concerns and could use some repairs. If there is a problem we will need to shut down plant; by splitting the tank it allows for duplicity. Duplicity would fix the issue of having to shut down the plant. Roof is a necessity.

Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Planning/Design			209,000			209,000
Construction/Maintenance			965,960			965,960
<b>Total</b>			<b>1,174,960</b>			<b>1,174,960</b>

Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Water Revenue Bond			1,174,960			1,174,960
<b>Total</b>			<b>1,174,960</b>			<b>1,174,960</b>

**Budget Impact/Other**



Boone CIP

FY '24 thru FY '28

Department Water

City of Boone, Iowa

Contact City Engineer

Project # 14WTR-003  
 Project Name High Service Pump

Type Maintenance

Useful Life 20 years

Category Equipment: Miscellaneous

Priority 4

Status Active

Estimated Cost

Actual Cost

Total Project Cost: \$75,000

**Description**  
 High service pump - 250 HP - 1150 gpm. One of the three pumps which pump treated water to the City.

**Justification**  
 These pumps have a 20 year life. The existing pump is 18 years old. 11-2017

Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Equip/Vehicles/Furnishings	75,000					75,000
<b>Total</b>	<b>75,000</b>					<b>75,000</b>

Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Water Receipts	75,000					75,000
<b>Total</b>	<b>75,000</b>					<b>75,000</b>

**Budget Impact/Other**

Boone CIP

FY '24 thru FY '28

Department Water  
 Contact City Engineer  
 Type Maintenance  
 Useful Life 20 years  
 Category Buildings  
 Priority 6 Important  
 Status Active

City of Boone, Iowa

Project # 14WTR-005  
 Project Name Water Plant Roof Replacement

Estimated Cost  
 Actual Cost

Total Project Cost: \$410,000

**Description**  
 Flat roofs with rubber membrains. Two buildings and two tanks. Total of four roofs.

**Justification**  
 The roof is 18 years old with a 20-year rated lifespan. 11-2017  
 Staff 11/2019:  
 Just did a minor repair to aerator, roof is not leaking.

Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Construction/Maintenance	410,000					410,000
<b>Total</b>	<b>410,000</b>					<b>410,000</b>

Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Water Receipts	410,000					410,000
<b>Total</b>	<b>410,000</b>					<b>410,000</b>

**Budget Impact/Other**

Boone CIP

FY '24 thru FY '28

Department Water  
 Contact Utilities Superintendent  
 Type Maintenance  
 Useful Life 4 years  
 Category Water  
 Priority 2 Critical  
 Status Active

City of Boone, Iowa

Project # 19WTR-003  
 Project Name Lime Residual Disposal Pond

Estimated Cost  
 Actual Cost

Total Project Cost: \$950,000

**Description**  
 Removal of lime from ponds at the Water Treatment Plant. Removal of lime needs done every even year alternating between the North and South pond.

**Justification**  
 South pond is 100% full as of 11-2017. North pond was emptied in fall 2017.  
 Staff Notes 11/2019:  
 North pond is scheduled to be done in the Spring of 2020

Prior	Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
250,000	Construction/Maintenance	350,000		350,000			700,000
<b>Total</b>	<b>Total</b>	<b>350,000</b>		<b>350,000</b>			<b>700,000</b>

Prior	Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
425,000	Water Receipts	175,000	175,000	175,000			525,000
<b>Total</b>	<b>Total</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>			<b>525,000</b>

**Budget Impact/Other**  
 11/2019 Staff Notes: Need to budget the removal of lime every other year rotating between ponds. FY2016 North Pond was complete. Staff also commented that Van-Wall is not wanting to rent out their equipment for this project, in the future we may need to purchase our own equipment.  
 1/2021 Staff Notes: Will transfer \$125,000 each year to fund 370 in order to cover one pond every other year.  
 370-750-6780

Boone CIP

FY '24 *thru* FY '28

Department Water  
 Contact Administrator

City of Boone, Iowa

Project # 24WTR-002  
 Project Name Lime Slakers

Type Maintenance  
 Useful Life 10 years  
 Category Water  
 Priority 10 Future Consideration  
 Status Active

Estimated Cost  
 Actual Cost

Total Project Cost: \$400,000

**Description**  
 Replace the Lime Slakers (part of the lime water softening process).

**Justification**  
 The current slakers are original to the plant and get heavy use. Though we are able to maintain them age is catching up with them and at this point they require constant repair.

Expenditures	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Construction/Maintenance	400,000					400,000
<b>Total</b>	<b>400,000</b>					<b>400,000</b>

Funding Sources	FY '24	FY '25	FY '26	FY '27	FY '28	Total
Water Revenue Bond	400,000					400,000
<b>Total</b>	<b>400,000</b>					<b>400,000</b>

**Budget Impact/Other**