

*FY2026 Boone Capital  
Improvements Program (CIP)*

---



**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: 3/03/2025**

# *CIP Program Overview*

---

## **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**

---

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**

---

*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**

---

### **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.*

2026 through 2030  
**Capital Improvement Plan - Projects by Dept - Active**  
 Boone, Iowa  
**Projects By Department**

Department	Project #	Priority	2026	2027	2028	2029	2030	Total
<b>Airport</b>								
Remove Underground Fuel Tanks	25AIR-001	2	40,000					40,000
<b>Airport Total</b>			<b>40,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40,000</b>
<b>Economic Development</b>								
Demolitions - Nuisance Abatement	13BPD-001	3	65,000	65,000	65,000	65,000	65,000	325,000
<b>Economic Development Total</b>			<b>65,000</b>	<b>65,000</b>	<b>65,000</b>	<b>65,000</b>	<b>65,000</b>	<b>325,000</b>
<b>Fire</b>								
Fire Rescue 67 Replacement	24BFD-001	3	85,000					85,000
Joint Fire & Police Training Grounds	24BFD-002	3	105,000					105,000
<b>Fire Total</b>			<b>190,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>190,000</b>
<b>Parks and Recreation</b>								
McHose Park Tennis Court Resurfacing	22PRK-004	5	50,000					50,000
Remove Stumps In City ROW	26PRK-001	3	75,000	75,000	75,000			225,000
Sand Filter System	13PRK-007	3	122,000					122,000
<b>Parks and Recreation Total</b>			<b>247,000</b>	<b>75,000</b>	<b>75,000</b>	<b>0</b>	<b>0</b>	<b>397,000</b>
<b>Police</b>								
Police Department Alarm System	25BPD-001	3	50,000					50,000
<b>Police Total</b>			<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>
<b>Public Works</b>								
Dump Truck with Snow Plow	22PW-0001	3		250,200				250,200
Handicap Ramp Replacement Program	04STR-017	2	10,000	10,000	10,000	10,000	10,000	50,000
Safety Trench Box	26PW-0001	2	15,000					15,000
<b>Public Works Total</b>			<b>25,000</b>	<b>260,200</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>315,200</b>
<b>Storm Water</b>								
Sewer I/I Investigation	20WWF-001	1	125,000	125,000	125,000	125,000		500,000
<b>Storm Water Total</b>			<b>125,000</b>	<b>125,000</b>	<b>125,000</b>	<b>125,000</b>	<b>0</b>	<b>500,000</b>
<b>Streets</b>								
Daisy Access Road-Hancock Ext	26-001	2	3,860,325					3,860,325
Southeast Boone 1st/Cedar St Paving Prj	26STR-0001	3	50,000	1,070,000				1,120,000
Street Maintenance Program (Fund 331)	14STR-001	2	100,000	120,000	120,000	120,000	120,000	580,000
<b>Streets Total</b>			<b>4,010,325</b>	<b>1,190,000</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>5,560,325</b>
<b>Waste Water</b>								
Aerated Digester Replacement	26WWF-003	2	3,049,500	2,741,500				5,791,000
Aerated Tank Demolition	26WWF-005	2	17,000	309,000				326,000
Backup Power Improvement	26WWF-007	2	400,000					400,000
Biosolids Thickening	26WWF-004	2	1,200,000	1,013,180				2,213,180
Clarifier Overhaul	15WWF-001	7	100,000					100,000

Department	Project #	Priority	2026	2027	2028	2029	2030	Total
Clarifiers-Drive Unit Replacement	26WWF-008	4	70,000					70,000
Fan Press	26WWF-006	2	1,990,500	1,830,500				3,821,000
HVAC Unit Replacement	25WWF-001	3	100,000	100,000	100,000			300,000
RAS Pumping Expansion	26WWF-001	2	101,400					101,400
Sanitary Sewer Management Program (CMOM)	08SWR-001	1	175,000	175,000	175,000	175,000	175,000	875,000
Snedden Drive Lift Station	10WWF-007	2	1,130,000	422,800				1,552,800
VLR Basin Addition-Verticel	14WWF-010	1	2,679,000	2,415,000				5,094,000
WAS Pump Improvements	26WWF-002	2	38,400					38,400
<b>Waste Water Total</b>			<b>11,050,800</b>	<b>9,006,980</b>	<b>275,000</b>	<b>175,000</b>	<b>175,000</b>	<b>20,682,780</b>

**Water**

1 MG Elevated Storage Tank	26WTR-005	2	300,000	3,840,600				4,140,600
Clearwell Modification	26WTR-003	2	98,868					98,868
Exterior Lighting LED Update	26WTR-001	3	25,000					25,000
Greene St. Storage Tank Valve Replacement	26WTR-006	5	3,200	68,080				71,280
Ground Storage Reservoir	13WTR-002	7	533,639	544,722				1,078,361
High Service Pump Replacement	26WTR-004	3	75,000	670,000	232,250			977,250
Lime Residual Disposal Pond	19WTR-003	2	350,000		350,000		350,000	1,050,000
Lime Softening Treatment Modification	26WTR-007	2	45,000	675,720				720,720
Water Meter Van	20WTR-005	5	60,000					60,000
Water Plant Well (New)	20WTR-004	2	175,000	1,295,720	1,575,000	787,560		3,833,280
<b>Water Total</b>			<b>1,665,707</b>	<b>7,094,842</b>	<b>2,157,250</b>	<b>787,560</b>	<b>350,000</b>	<b>12,055,359</b>
<b>GRAND TOTAL</b>			<b>17,468,832</b>	<b>17,817,022</b>	<b>2,827,250</b>	<b>1,282,560</b>	<b>720,000</b>	<b>40,115,664</b>

# Capital Improvement Plan- Summary

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

2026 through 2030  
**Capital Improvement Plan - Project by Funding Source - Active**  
 Boone, Iowa  
**Projects By Funding Source Summary**

Source	Project #	Priority	2026	2027	2028	2029	2030	Total
<b>General Fund</b>								
Demolitions - Nuisance Abatement	13BPD-001	3	40,000	40,000	40,000	40,000	40,000	200,000
<b>General Fund Total</b>			<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>200,000</b>
<b>Grant</b>								
1 MG Elevated Storage Tank	26WTR-005	2		2,070,300				2,070,300
Remove Underground Fuel Tanks	25AIR-001	2	15,000					15,000
<b>Grant Total</b>			<b>15,000</b>	<b>2,070,300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,085,300</b>
<b>Grant (RISE)</b>								
Daisy Access Road-Hancock Ext	26-001	2	3,025,530					3,025,530
<b>Grant (RISE) Total</b>			<b>3,025,530</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,025,530</b>
<b>Grant (STP)</b>								
Southeast Boone 1st/Cedar St Paving Prj	26STR-0001	3		775,000				775,000
<b>Grant (STP) Total</b>			<b>0</b>	<b>775,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>775,000</b>
<b>Local Option Sales Tax (LOST)</b>								
Demolitions - Nuisance Abatement	13BPD-001	3	25,000	25,000	25,000	25,000	25,000	125,000
Fire Rescue 67 Replacement	24BFD-001	3	55,000					55,000
Joint Fire & Police Training Grounds	24BFD-002	3	35,000					35,000
McHose Park Tennis Court Resurfacing	22PRK-004	5	25,000					25,000
Remove Stumps In City ROW	26PRK-001	3	40,000	40,000	40,000			120,000
Remove Underground Fuel Tanks	25AIR-001	2	25,000					25,000
Southeast Boone 1st/Cedar St Paving Prj	26STR-0001	3	120,000					120,000
Street Maintenance Program (Fund 331)	14STR-001	2	50,000	120,000	120,000	120,000	120,000	530,000
<b>Local Option Sales Tax (LOST) Total</b>			<b>375,000</b>	<b>185,000</b>	<b>185,000</b>	<b>145,000</b>	<b>145,000</b>	<b>1,035,000</b>
<b>Other</b>								
McHose Park Tennis Court Resurfacing	22PRK-004	5	25,000					25,000
<b>Other Total</b>			<b>25,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25,000</b>

Source	Project #	Priority	2026	2027	2028	2029	2030	Total
<b>Road Use Tax (RUT)</b>								
Dump Truck with Snow Plow	22PW-0001	3	41,700	41,700				83,400
Handicap Ramp Replacement Program	04STR-017	2	10,000	10,000	10,000	10,000	10,000	50,000
Southeast Boone 1st/Cedar St Paving Prj	26STR-0001	3	225,000					225,000
<b>Road Use Tax (RUT) Total</b>			<b>276,700</b>	<b>51,700</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>358,400</b>

### Sanitary Sewer Receipts

Backup Power Improvement	26WWF-007	2	400,000					400,000
Clarifier Overhaul	15WWF-001	7	100,000					100,000
Clarifiers-Drive Unit Replacement	26WWF-008	4	70,000					70,000
Dump Truck with Snow Plow	22PW-0001	3	41,700	41,700				83,400
HVAC Unit Replacement	25WWF-001	3	100,000	100,000	100,000			300,000
Safety Trench Box	26PW-0001	2	7,000					7,000
Sanitary Sewer Management Program (CMOM)	08SWR-001	1	175,000	175,000	175,000	175,000	175,000	875,000
Water Meter Van	20WTR-005	5	30,000					30,000
<b>Sanitary Sewer Receipts Total</b>			<b>923,700</b>	<b>316,700</b>	<b>275,000</b>	<b>175,000</b>	<b>175,000</b>	<b>1,865,400</b>

### Sewer Revenue Bond

RAS Pumping Expansion	26WWF-001	2	93,900					93,900
<b>Sewer Revenue Bond Total</b>			<b>93,900</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>93,900</b>

### State Revolving Fund (SRF)

Aerated Digester Replacement	26WWF-003	2	5,591,000					5,591,000
Biosolids Thickening	26WWF-004	2	2,063,180					2,063,180
Clearwell Modification	26WTR-003	2	98,868					98,868
Fan Press	26WWF-006	2	3,671,000					3,671,000
Ground Storage Reservoir	13WTR-002	7	1,128,361					1,128,361
High Service Pump Replacement	26WTR-004	3	1,002,250					1,002,250
Lime Softening Treatment Modification	26WTR-007	2	65,520					65,520
Snedden Drive Lift Station	10WWF-007	2	1,552,800					1,552,800
VLR Basin Addition-Verticel	14WWF-010	1	5,094,000					5,094,000
WAS Pump Improvements	26WWF-002	2	38,400					38,400
<b>State Revolving Fund (SRF) Total</b>			<b>20,305,379</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,305,379</b>

### Storm Sewer Receipts

Safety Trench Box	26PW-0001	2	1,000					1,000
Sewer I/I Investigation	20WWF-001	1	125,000	125,000	125,000	125,000		500,000
<b>Storm Sewer Receipts Total</b>			<b>126,000</b>	<b>125,000</b>	<b>125,000</b>	<b>125,000</b>	<b>0</b>	<b>501,000</b>

Source	Project #	Priority	2026	2027	2028	2029	2030	Total
<b>Water Receipts</b>								
Dump Truck with Snow Plow	22PW-0001	3	41,700	41,700				83,400
Exterior Lighting LED Update	26WTR-001	3	25,000					25,000
Greene St. Storage Tank Valve Replacement	26WTR-006	5		64,800				64,800
Lime Residual Disposal Pond	19WTR-003	2	175,000	175,000	175,000	175,000	175,000	875,000
Safety Trench Box	26PW-0001	2	7,000					7,000
Water Meter Van	20WTR-005	5	30,000					30,000
<b>Water Receipts Total</b>			<b>278,700</b>	<b>281,500</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>1,085,200</b>
<b>Water Revenue Bond</b>								
1 MG Elevated Storage Tank	26WTR-005	2		2,070,300				2,070,300
Lime Softening Treatment Modification	26WTR-007	2		655,200				655,200
Water Plant Well (New)	20WTR-004	2	3,833,280					3,833,280
<b>Water Revenue Bond Total</b>			<b>3,833,280</b>	<b>2,725,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,558,780</b>
<b>GRAND TOTAL</b>			<b>29,318,189</b>	<b>6,570,700</b>	<b>810,000</b>	<b>670,000</b>	<b>545,000</b>	<b>37,913,889</b>

# 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.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

**Project #** 24AIR-001  
**Project Name** Fuel Farm Replacement

**Total Project Cost** \$863,333      **Department** Airport  
**Type** Equipment      **Category** Equipment: Miscellaneous  
**Priority** 1 Mandatory      **Status** Active  
**Useful Life** 25 years

### 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.

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	777,333	0	0	0	0	0	0	<b>777,333</b>
Planning/Design	86,000	0	0	0	0	0	0	<b>86,000</b>
<b>Total</b>	<b>863,333</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>863,333</b>

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Grant	777,000	0	0	0	0	0	0	<b>777,000</b>
Local Option Sales Tax (LOST)	86,333	0	0	0	0	0	0	<b>86,333</b>
<b>Total</b>	<b>863,333</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>863,333</b>

### Budget Impact

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

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

**Project #** 25AIR-001  
**Project Name** Remove Underground Fuel Tanks

<b>Total Project Cost</b>	\$40,000	<b>Department</b>	Airport
<b>Type</b>	Improvement	<b>Category</b>	Special Projects
<b>Priority</b>	2 Critical	<b>Status</b>	Active
<b>Useful Life</b>	50 years	<b>Estimated Cost</b>	40000

### Description

Remove underground storage tanks at the airport.

### Justification

After replacing Jet A and Av-gas Tanks and cabinets, DNR will require the removal of the underground fuel tanks.

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	0	40,000	0	0	0	0	0	40,000
<b>Total</b>	<b>0</b>	<b>40,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40,000</b>

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Local Option Sales Tax (LOST)	0	25,000	0	0	0	0	0	25,000
Grant	0	15,000	0	0	0	0	0	15,000
<b>Total</b>	<b>0</b>	<b>40,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40,000</b>

# City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

**Project #** 13BPD-001  
**Project Name** Demolitions - Nuisance Abatement

<b>Total Project Cost</b>	\$995,000	<b>Department</b>	Economic Development
<b>Type</b>	Improvement	<b>Category</b>	Special Projects
<b>Priority</b>	3 Very Important	<b>Status</b>	Active
<b>Useful Life</b>	50 years		

**Description**

Money for Demolitions in the City of Boone

**Justification**

To continue the cities aggressive demolition program on properties that are structurally unsound and/or a nuisance to the neighborhoods and downtown Boone. 11/2019: City owns 15 acres in this area from the Conyers.

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	605,000	65,000	65,000	65,000	65,000	65,000	65,000	995,000
<b>Total</b>	<b>605,000</b>	<b>65,000</b>	<b>65,000</b>	<b>65,000</b>	<b>65,000</b>	<b>65,000</b>	<b>65,000</b>	<b>995,000</b>

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
General Fund	300,000	40,000	40,000	40,000	40,000	40,000	40,000	540,000
Local Option Sales Tax (LOST)	205,000	25,000	25,000	25,000	25,000	25,000	25,000	355,000
Bond (Levy)	50,000	0	0	0	0	0	0	50,000
Cash	50,000	0	0	0	0	0	0	50,000
<b>Total</b>	<b>605,000</b>	<b>65,000</b>	<b>65,000</b>	<b>65,000</b>	<b>65,000</b>	<b>65,000</b>	<b>65,000</b>	<b>995,000</b>

**Budget Impact**

Administration Comments 11/4/16: If City finds themselves with an opportunity or need for additional funding before going out for the next bond staff recommends funding the projects with general fund and/or LOST.

Staff Comments 10/26/18: The Garfield School demolition will require a large portion of the funds that we currently have in the Demolition Fund. To continue the program at the pace we have been at the past several years we will need to use General fund and LOST.

Staff Comments 11/2020: There is a potential for a large project and would like to continue to grow the funds in this account to accomidate this large project if it comes to the City.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

**Project #** 24BFD-001  
**Project Name** Fire Rescue 67 Replacement

<b>Total Project Cost</b>	\$85,000	<b>Contact</b>	Fire Chief
<b>Department</b>	Fire	<b>Type</b>	Equipment
<b>Category</b>	Equipment: Miscellaneous	<b>Priority</b>	3 Very Important
<b>Status</b>	Active	<b>Useful Life</b>	20 years

### Description

Purchase a ¾ ton pickup with a utility type box

### Justification

Rescue 67 is a medium duty vehicle that was built in 2000 and originally was designed to respond to medical calls. This vehicle has documented over 80 times it has been taken to the repair shop for issues that stemmed from the manufacture of the box or the Ford Chassis. The vehicle has always had a balance issue with the chassis. The vehicle stayed as a medical response vehicle until 2010 when staffing changes and response plans changed. Current day the vehicle is used as a technical rescue vehicle housing our ropes, confined space and grain bin rescue equipment. Justification for the purchase and replacement is that this vehicle is maintenance heavy. The new vehicle is a modern pickup truck that if needed can be worked on at a local repair shop, but shouldn't be a problem. The proposed vehicle will also play a bigger role in our modern day response plans at a fraction of the replacement cost of the current rescue type. The vehicle has more maneuverability and we can take it off road where the current vehicle doesn't have the capability. Overall goal is to reduce the maintenance liability of our current fleet while trying to maintain a modern fleet. Current Vehicle will be sold and revenue to possibly be used for the purchase of new vehicle.

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Equip/Vehicles/Furnishings	0	85,000	0	0	0	0	0	85,000
<b>Total</b>	<b>0</b>	<b>85,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>85,000</b>

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Local Option Sales Tax (LOST)	30,000	55,000	0	0	0	0	0	85,000
<b>Total</b>	<b>30,000</b>	<b>55,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>85,000</b>

### Budget Impact

Would like to request \$30,000.00 of LOST in Fiscal Year 2024 to be put aside for the purchase of the Rescue Truck and then another \$55,000.00 in Fiscal Year 2025 with the purchase of the truck being in Fiscal Year 2025. We would then sell our current truck and any funds received from the sell of the truck would go back into the LOST Fund to help offset the cost of the new truck.

10-2025 Staff Notes: Funding was not set aside in FY2024, so this purchased was delayed a year. \$30,000 was set aside int FY2025 and if funding is available in FY2026 truck will be purchased.

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

**Project #** 24BFD-002  
**Project Name** Joint Fire & Police Training Grounds

<b>Total Project Cost</b>	\$105,000	<b>Contact</b>	Fire Chief
<b>Department</b>	Fire	<b>Type</b>	Maintenance
<b>Category</b>	Special Projects	<b>Priority</b>	3 Very Important
<b>Status</b>	Active	<b>Useful Life</b>	30 years
<b>Estimated Cost</b>	400000		

### Description

This project entails the following: -Purchase Land (Included would be also laying down aggregate for a base to place the training props on) The purchase of the land is dependent upon the available acres. The minimum acres would be 5. -Purchase Conex Boxes for the creation of the training props 5 total

### Justification

With today's climate of hiring, both the Fire and Police Departments are having to hire candidates that may not have all of the training needed. Sending candidates to initial schooling is great but getting ongoing training is challenging with limited space at both facilities. This concept of this project is a private/public partnership which will seek private funding and grants along with budgeted dollars to accomplish this goal. The grounds would have training props to conduct live fire training, search and rescue in smoke conditions, movable walls and doors and a roof prop for ventilation. For law enforcement the training props can be used for building search techniques both above ground and below ground, barricaded subjects, air soft firearms and active assailant. The idea around using Conex boxes is that they are configurable compared to building a fixed building and replacement cost are very inexpensive. The larger scope of this project is once the land is purchased the size and scope can be scale-able depending on funds available.

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Other	0	105,000	0	0	0	0	0	105,000
<b>Total</b>	<b>0</b>	<b>105,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>105,000</b>

  

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Local Option Sales Tax (LOST)	70,000	35,000	0	0	0	0	0	105,000
<b>Total</b>	<b>70,000</b>	<b>35,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>105,000</b>

2026 thru 2030

# City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

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

<b>Total Project Cost</b>	\$50,000	<b>Department</b>	Parks and Recreation
<b>Type</b>	Maintenance	<b>Category</b>	Park Improvements
<b>Priority</b>	5	<b>Status</b>	Active
<b>Useful Life</b>	10 years		

### 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.

10-2024: Fall of 2023 tennis courts were cleaned, initially it was budgeted to resurface the courts but was advised that they just need cleaned. When cleaning the courts the surface was damaged (the damage was patched) and it was determined that they would need resurfaced. Staff has spoken to the Boone Community School District and they have stated that they are not required to pay half the cost to resurface.

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	0	50,000	0	0	0	0	0	50,000
<b>Total</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Local Option Sales Tax (LOST)	0	25,000	0	0	0	0	0	25,000
Other	0	25,000	0	0	0	0	0	25,000
<b>Total</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>

### Budget Impact

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.

11-2024 CIP Committee Comments: Make active pending funding and renegotiating the 28E Agreement with the Schools requiring them to pay 50%.

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

Project # 22PRK-002  
 Project Name Pool Painting

Total Project Cost	\$70,000	Department	Parks and Recreation
Type	Maintenance	Category	Park Improvements
Priority	3 Very Important	Status	Active
Useful Life	10 years		

### Description

The pool has to have an anti-slip surface, to prevent slips and fall. The anti-slip surface lasts about 5 - 7 years, and the last time we painted it was in May 2019.

### Justification

11-10-2021 Staff Comments: The anti-slip surface is starting to wear and will need to be repainted within the next couple of years.

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	70,000	0	0	0	0	0	0	70,000
<b>Total</b>	<b>70,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70,000</b>

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Local Option Sales Tax (LOST)	70,000	0	0	0	0	0	0	70,000
<b>Total</b>	<b>70,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70,000</b>

### Budget Impact

10-2023 Staff Comments: With the heavy use the pool has seen, the paint is now starting to peel off the bottom creating a dangerous shadow that looks like a body. Pool was last painted in 2012, and staff has been spot painting damaged areas.

10-2024 Staff Comments: Currently sandblasting and prepping to paint.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

---

**Project #** 26PRK-001  
**Project Name** Remove Stumps In City ROW

---

<b>Total Project Cost</b>	\$225,000	<b>Contact</b>	Parks Director
<b>Department</b>	Parks and Recreation	<b>Type</b>	Improvement
<b>Category</b>	Special Projects	<b>Priority</b>	3 Very Important
<b>Status</b>	Active	<b>Useful Life</b>	25 years

---

### Description

Through a process of dividing the community into quadrants and taking bids to contract the work out, we would remove/grind stumps that are in the city Right of Way.

---

### Justification

There are almost 600 stumps throughout Boone in the Right of Way. Parks director receives many complaints from citizens that we have removed the tree but left the stump. They are unsightly and the public would like them removed.

---

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	0	75,000	75,000	75,000	0	0	0	225,000
<b>Total</b>	<b>0</b>	<b>75,000</b>	<b>75,000</b>	<b>75,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>225,000</b>

---

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Local Option Sales Tax (LOST)	0	40,000	40,000	40,000	0	0	0	120,000
<b>Total</b>	<b>0</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120,000</b>

---

### Budget Impact

11-2024 CIP Committee Notes: pending funding

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

Project # 13PRK-007  
Project Name Sand Filter System

Total Project Cost \$122,000 Department Parks and Recreation  
Type Maintenance Category Equipment: Miscellaneous  
Priority 3 Very Important Status Active  
Useful Life 20 years

### 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	Prior	2026	2027	2028	2029	2030	Future	Total
Equip/Vehicles/Furnishings	0	122,000	0	0	0	0	0	122,000
<b>Total</b>	<b>0</b>	<b>122,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>122,000</b>

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
General Fund	99,000	0	0	0	0	0	0	99,000
Local Option Sales Tax (LOST)	23,000	0	0	0	0	0	0	23,000
<b>Total</b>	<b>122,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>122,000</b>

### Budget Impact

10/27/14 Park Commission Update: Commission suggested spanning over several years and using LOST.

Staff Comments 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.

10-2024 Staff Notes: The \$50,000 that was reallocated to the play structure has been used to purchase the play structure at Franklin Park. Remaining funds will remain designated to the sand filters.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

---

Project # 25BPD-001  
Project Name Police Department Alarm System

---

Total Project Cost \$50,000 Department Police  
Type Equipment Category Equipment: Miscellaneous  
Priority 3 Very Important Status Active  
Useful Life 10 years

---

### Description

Update/Replace the current Police Department alarm system, update/replace electronic entrance to current doors, add electronic entrance options to 3 additional doors, and any hard drive/servers that are necessary. Integrate current camera system, replace 3 interior cameras, and add 4 additional interior cameras.

10-2024 Staff Update: Work has not been started at this time. Still waiting on one additional quote before moving forward to start any work.

---

### Justification

The Boone Police Department current alarm system is over 15 years old, with some aspects are no longer serviceable. In order for our building to remain secure, we need to do some upgrades/replacement to the system.

---

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Equip/Vehicles/Furnishings	0	50,000	0	0	0	0	0	50,000
<b>Total</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>

  

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Local Option Sales Tax (LOST)	50,000	0	0	0	0	0	0	50,000
<b>Total</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

Project # 22PW-0001  
Project Name Dump Truck with Snow Plow

Total Project Cost \$250,200 Department Public Works  
Type Equipment Category Equipment: PW Equip  
Priority 3 Very Important Status Active  
Useful Life 10 years

### Description

Replace Dump truck with a snow plow. Would like to replace current plow with an under belly scraper.

### Justification

Older trucks are becoming costly to maintain. 10-2023 Staff Notes: Two Year wait to get a new truck.

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Equip/Vehicles/Furnishings	0	0	250,200	0	0	0	0	250,200
<b>Total</b>	<b>0</b>	<b>0</b>	<b>250,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,200</b>

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
Road Use Tax (RUT)	0	41,700	41,700	0	0	0	0	83,400
Sanitary Sewer Receipts	0	41,700	41,700	0	0	0	0	83,400
Water Receipts	0	41,700	41,700	0	0	0	0	83,400
<b>Total</b>	<b>0</b>	<b>125,100</b>	<b>125,100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,200</b>

### Budget Impact

11-2023 CIP Committee Notes: Due to the wait-time on these truck the CIP Committee recommended making this project active, and have Waylon reach out to the vendor to determine delivery date, amount and contract for Council's approval to move forward with the purchase. We will then set-aside funds for the next 2-3 years from RUT, Sewer, and Water receipts till the truck is delivered.

10-2024 Staff Notes: Seeing larger increases in the cost of these vehicles. Would like to get one ordered with a July 2026 delivery.

FY2026 Budget Notes - RUT/Water/Sewer funds of \$41,700 each was transferred to Fund 362. FY2027 funding should be transferred and then truck purchase made out of Fund 362.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

---

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

---

<b>Total Project Cost</b>	\$240,000	<b>Department</b>	Public Works
<b>Type</b>	Improvement	<b>Category</b>	Special Projects
<b>Priority</b>	2 Critical	<b>Status</b>	Active
<b>Useful Life</b>	40 years		

---

### 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 re-construction 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.

---

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	180,000	10,000	10,000	10,000	10,000	10,000	10,000	240,000
<b>Total</b>	<b>180,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>240,000</b>

---

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Road Use Tax (RUT)	180,000	10,000	10,000	10,000	10,000	10,000	10,000	240,000
<b>Total</b>	<b>180,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>240,000</b>

---

### Budget Impact

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.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

---

Project # 22STR-001  
Project Name Pickup with Snowplow

---

Total Project Cost \$65,000 Department Public Works  
Type Equipment Category Vehicles  
Priority 5 Status Active  
Useful Life 10 years

---

### Description

4x4 pickup truck for street maintenance and snow removal.

---

### Justification

Existing fleet is aging and becoming a maintenance issue. This truck will replace the 2006 Chevy. 10-2023 Staff Notes: 2006 Chevy currently has 91,556 miles

---

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Equip/Vehicles/Furnishings	65,000	0	0	0	0	0	0	65,000
<b>Total</b>	<b>65,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>65,000</b>

---

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
Road Use Tax (RUT)	30,000	0	0	0	0	0	0	30,000
Sanitary Sewer Receipts	17,500	0	0	0	0	0	0	17,500
Water Receipts	17,500	0	0	0	0	0	0	17,500
<b>Total</b>	<b>65,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>65,000</b>

---

### Budget Impact

10-2025 Staff Notes: In process of being completed.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

---

**Project #** 26PW-0001  
**Project Name** Safety Trench Box

---

<b>Total Project Cost</b>	\$15,000	<b>Contact</b>	Public Works Director
<b>Department</b>	Public Works	<b>Type</b>	Equipment
<b>Category</b>	Equipment: Miscellaneous	<b>Priority</b>	2 Critical
<b>Status</b>	Active	<b>Useful Life</b>	30 years

---

### Description

8 X 10 Aluminum or inflatable trench shoring box.

---

### Justification

Shoring box and safety equipment is mandatory, we currently have hydraulic shoring that is very cumbersome and difficult to use correctly. We currently rent the equipment at about 10 percent of the cost to purchase. By purchasing we are ensuring that our employees have the required safety equipment to do their jobs.

---

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Equip/Vehicles/Furnishings	0	15,000	0	0	0	0	0	15,000
<b>Total</b>	<b>0</b>	<b>15,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,000</b>

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Sanitary Sewer Receipts	0	7,000	0	0	0	0	0	7,000
Water Receipts	0	7,000	0	0	0	0	0	7,000
Storm Sewer Receipts	0	1,000	0	0	0	0	0	1,000
<b>Total</b>	<b>0</b>	<b>15,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,000</b>

# City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

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

<b>Total Project Cost</b>	\$1,075,000	<b>Department</b>	Storm Water
<b>Type</b>	Improvement	<b>Category</b>	Storm Sewer/Drainage
<b>Priority</b>	1 Mandatory	<b>Status</b>	Active
<b>Useful Life</b>	20 years	<b>Estimated Cost</b>	450000

### 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.

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Study (engineering, etc.)	575,000	125,000	125,000	125,000	125,000	0	0	1,075,000
<b>Total</b>	<b>575,000</b>	<b>125,000</b>	<b>125,000</b>	<b>125,000</b>	<b>125,000</b>	<b>0</b>	<b>0</b>	<b>1,075,000</b>

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Storm Sewer Receipts	325,000	125,000	125,000	125,000	125,000	0	0	825,000
Sanitary Sewer Receipts	250,000	0	0	0	0	0	0	250,000
<b>Total</b>	<b>575,000</b>	<b>125,000</b>	<b>125,000</b>	<b>125,000</b>	<b>125,000</b>	<b>0</b>	<b>0</b>	<b>1,075,000</b>

### Budget Impact

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.

10-2023 Staff Notes: Phase 6 - Consulting with engineers for best results Account: 740-865-6498

10-2024 Staff Notes: Phase 7

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

Project # 26-001  
Project Name Daisy Access Road-Hancock Ext

Total Project Cost \$4,424,005      Contact Administrator  
Department Streets      Type Improvement  
Category Street Construction      Priority 2 Critical  
Status Active      Useful Life 40 years

### Description

Construct a roadway east off of Snedden, extending Hancock Drive. This extension is anticipated to include approximately 1700 feet of roadway, water, sewer, and storm water infrastructure.

### Justification

This roadway is needed to provide Daisy Brand access to their facility.

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Construction/Maintenance	0	3,645,125	0	0	0	0	0	3,645,125
Construction Engineering	0	215,200	0	0	0	0	0	215,200
Land Acquisition	133,380	0	0	0	0	0	0	133,380
Planning/Design	430,300	0	0	0	0	0	0	430,300
<b>Total</b>	<b>563,680</b>	<b>3,860,325</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,424,005</b>

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
Grant (RISE)	0	3,025,530	0	0	0	0	0	3,025,530
Tax Increment Financing (TIF)	1,398,475	0	0	0	0	0	0	1,398,475
<b>Total</b>	<b>1,398,475</b>	<b>3,025,530</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,424,005</b>

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

**Project #** 26STR-0001  
**Project Name** Southeast Boone 1st/Cedar St Paving Prj

**Total Project Cost** \$1,120,000      **Contact** Public Works Director  
**Department** Streets      **Type** Improvement  
**Category** Street Paving      **Priority** 3 Very Important  
**Status** Active      **Useful Life** 20 years

### Description

Mill and overlay project along 1st Street from Story Street to Delaware St \$335K + engineering

S. Cedar Street from 1st to Cedar Pointe Entrance \$159,144 + Engineering

SE Linn from S. Cedar to Linden LN \$85,000 + Engineering

S. Clinton Street from 1st to Aldrich Ave will need to use RUT .10 fund to pay for this portion of the project.

### Justification

1st Street has been deteriorating for some time and is in need of resurfacing along with Cedar Street and SE Linn. It will be beneficial to do all three projects at the same time. Plans would be to use CIRPTA funding, but would require funds for engineering.

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	0	0	1,000,000	0	0	0	0	1,000,000
Construction Engineering	0	0	70,000	0	0	0	0	70,000
Planning/Design	0	50,000	0	0	0	0	0	50,000
<b>Total</b>	<b>0</b>	<b>50,000</b>	<b>1,070,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,120,000</b>

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Grant (STP)	0	0	775,000	0	0	0	0	775,000
Road Use Tax (RUT)	0	225,000	0	0	0	0	0	225,000
Local Option Sales Tax (LOST)	0	120,000	0	0	0	0	0	120,000
<b>Total</b>	<b>0</b>	<b>345,000</b>	<b>775,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,120,000</b>

### Budget Impact

10-2025 Staff Notes: Will transfer LOST \$120,000 from FY 2026 budget to SE 1st/Cedar St Boone Mill and Overlay Prj. Account to cover engineering. Transfer 200,000 from FY2026 RUT .10 to cover the cost of S Clinton St,

2026 thru 2030

# City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

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

Total Project Cost \$1,335,000 Department Streets  
 Type Maintenance Category Street Reconstruction  
 Priority 2 Critical Status Active  
 Useful Life 20 years

### Description

Patching and joint sealing of problem areas throughout the community.

### Justification

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.

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Construction/Maintenance	635,000	100,000	120,000	120,000	120,000	120,000	120,000	1,335,000
<b>Total</b>	<b>635,000</b>	<b>100,000</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>1,335,000</b>

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
Local Option Sales Tax (LOST)	619,622	50,000	120,000	120,000	120,000	120,000	120,000	1,269,622
Bond (Levy)	250,000	0	0	0	0	0	0	250,000
<b>Total</b>	<b>869,622</b>	<b>50,000</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>1,519,622</b>

### Budget Impact

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.

10-2024 Staff Notes: Funds being dedicated to 1st Street repaving project. FY2025 - funds were dedicated to try a curb program, if successful this will be moved to the Street Operational budget to continue the program.

12-3-2024 Council requested \$100,000 of the 331 Cash be used to do a small intersection project in FY2026. An additional \$50,000 from LOST will be transferred into the 331 Fund in FY2026 to help cover some of the cost.

# City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

**Project #** 26WWF-003  
**Project Name** Aerated Digester Replacement

<b>Total Project Cost</b>	\$5,991,000	<b>Contact</b>	Clerk
<b>Department</b>	Waste Water	<b>Type</b>	Improvement
<b>Category</b>	Wastewater	<b>Priority</b>	2 Critical
<b>Status</b>	Active	<b>Useful Life</b>	25 years

## Description

This project was part of the 2024 Wastewater Treatment Facility Plan report, under the Biosolids Treatment Improvements.

There are several options for how to construct 2.3 million gallons of aerobic digester. The two options we are interested in is the glass lined bolted steel tanks and the concrete tanks. Based on the report the steel aerobic digester is estimated at \$5,234,000 and the concrete aerobic digester is estimated at \$8,459,000.

We have used the cost estimates for the .40MG (72.5' diameter) bolted steel aerobic digester for this CIP project, but will further investigate the concrete option in the planning and design phase. The cost estimate also includes additional blowers and aeration equipment, tank cover, pumps and piping.

## Justification

The existing aerobic digesters are in good condition and contain 150,000 gallons each of usable space, this will provide 0.9 days of sludge retention time each for the design projections assuming no thickening before the digesters is provided. The required IDNR sludge retention time is 15 days, therefore more digester capacity is needed. The future flows to the digesters are estimated to be 175,000 gallons per day without thickening at approximately .75% solids.

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	0	2,649,500	2,649,500	0	0	0	0	<b>5,299,000</b>
Construction Engineering	0	200,000	92,000	0	0	0	0	<b>292,000</b>
Planning/Design	200,000	200,000	0	0	0	0	0	<b>400,000</b>
<b>Total</b>	<b>200,000</b>	<b>3,049,500</b>	<b>2,741,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,991,000</b>

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
State Revolving Fund (SRF)	400,000	5,591,000	0	0	0	0	0	<b>5,991,000</b>
<b>Total</b>	<b>400,000</b>	<b>5,591,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,991,000</b>

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

Project # 26WWF-005  
Project Name Aerated Tank Demolition

Total Project Cost \$356,000 Contact Clerk  
Department Waste Water Type Improvement  
Category Wastewater Priority 2 Critical  
Status Active Useful Life 100 years

### Description

Demolish the two existing aerated tanks once they are out of commission, to provide an area to build a small building to house the Suspended Air Flootation (SAF) Unit.

### Justification

The two existing aerated holding tanks are in poor condition and were built in the early 1900's. These tanks only have a capacity of 98,700 gallons each, providing only 1.9 days of sludge retention time in the projected design conditions (IDNR requires 15 days). In addition to the issues of the existing tanks there is a shortage of space at the Wastewater Treatment Facility site. By demolishing the tanks it reduces future operation and maintenance costs.

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	0	0	309,000	0	0	0	0	<b>309,000</b>
Construction Engineering	0	17,000	0	0	0	0	0	<b>17,000</b>
Planning/Design	30,000	0	0	0	0	0	0	<b>30,000</b>
<b>Total</b>	<b>30,000</b>	<b>17,000</b>	<b>309,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>356,000</b>

  

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Sanitary Sewer Receipts	356,000	0	0	0	0	0	0	<b>356,000</b>
<b>Total</b>	<b>356,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>356,000</b>

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

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

<b>Total Project Cost</b>	\$519,500	<b>Department</b>	Waste Water
<b>Type</b>	Improvement	<b>Category</b>	Wastewater
<b>Priority</b>	1 Mandatory	<b>Status</b>	Active
<b>Useful Life</b>	20 years		

### 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	Prior	2026	2027	2028	2029	2030	Future	Total
Construction Engineering	83,375	0	0	0	0	0	0	83,375
Construction/Maintenance	416,875	0	0	0	0	0	0	416,875
Other	19,250	0	0	0	0	0	0	19,250
<b>Total</b>	<b>519,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>519,500</b>

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
Sewer Revenue Bond	519,500	0	0	0	0	0	0	519,500
<b>Total</b>	<b>519,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>519,500</b>

### Budget Impact

CIP Committee 2008: This project is a fund-ability 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.

10-2023 Staff Notes: Currently in the planning and design. Will be funded with SRF Bond.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

---

Project # 26WWF-007  
Project Name Backup Power Improvement

---

Total Project Cost	\$400,000	Contact	Clerk
Department	Waste Water	Type	Improvement
Category	Wastewater	Priority	2 Critical
Status	Active	Useful Life	25 years

---

### Description

Install a second generator located near the VLR blower building.

---

### Justification

Current backup is being provided by a Caterpillar 450 KW diesel generator located in the screen and grit building and was installed in 1994. With the proposed expansion and upgrades to the Wastewater Treatment Facility the additional electrical load will require additional backup power capacity.

---

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Equip/Vehicles/Furnishings	0	400,000	0	0	0	0	0	400,000
<b>Total</b>	<b>0</b>	<b>400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>400,000</b>

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Sanitary Sewer Receipts	0	400,000	0	0	0	0	0	400,000
<b>Total</b>	<b>0</b>	<b>400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>400,000</b>

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

Project # 26WWF-004  
 Project Name Biosolids Thickening

Total Project Cost	\$2,263,180	Contact	Clerk
Department	Waste Water	Type	Improvement
Category	Wastewater	Priority	2 Critical
Status	Active	Useful Life	25 years

### Description

This project is part of the 2024 Wastewater Facility Plan Report, under the Biosolids Treatment Improvement. The biosolids thickening process can be done either through a Suspended Air Floatation (SAF) unit or a Gravity Belt. The processes being proposed in this CIP is based on utilizing the SAF unit.

The Suspended Air Floatation (SAF) Unit, would require the demolition of the existing aerated holding tanks and the construction of a small building in place of the tanks.

### Justification

To obtain the required 15 days of SRT from the aerobic digester without increasing the size of the tank, we can provide thickening between the WAS from the final clarifier and the aerobic digesters.

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Construction/Maintenance	0	1,000,000	967,180	0	0	0	0	1,967,180
Planning/Design	50,000	150,000	0	0	0	0	0	200,000
Construction Engineering	0	50,000	46,000	0	0	0	0	96,000
<b>Total</b>	<b>50,000</b>	<b>1,200,000</b>	<b>1,013,180</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,263,180</b>

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
State Revolving Fund (SRF)	200,000	2,063,180	0	0	0	0	0	2,263,180
<b>Total</b>	<b>200,000</b>	<b>2,063,180</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,263,180</b>

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

Project # 15WWF-001  
Project Name Clarifier Overhaul

Total Project Cost \$200,000 Department Waste Water  
Type Maintenance Category Wastewater  
Priority 7 Status Active  
Useful Life 20 years Estimated Cost 100000.00

### Description

Inspection, painting, and repairs of the clarifiers. Both clarifiers need structural inspection of the sludge scrapers and sludge removal manifold. Possible mill work 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	Prior	2026	2027	2028	2029	2030	Future	Total
Construction/Maintenance	100,000	100,000	0	0	0	0	0	200,000
<b>Total</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
Sanitary Sewer Receipts	100,000	100,000	0	0	0	0	0	200,000
<b>Total</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>

### Budget Impact

11/2018 Staff Notes: Inspected in 2018.

11-2019 Staff Notes: Just complete repairs in Fiscal Year 2019

10/2022 Staff Notes: If funding is available will get done in FY 2023

10-2024 Staff notes: One of the two clarifiers were completed. Will request the second one to be completed in FY 2026.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

---

Project # 26WWF-008  
Project Name Clarifiers-Drive Unit Replacement

---

Total Project Cost	\$70,000	Contact	Administrator
Department	Waste Water	Type	Maintenance
Category	Wastewater	Priority	4
Status	Active	Useful Life	20 years
Estimated Cost	100000.00		

---

### Description

Replace the drive unit in the clarifiers.

---

### Justification

Replacing the drive unit in the clarifiers was included in the "miscellaneous equipment replacement" section of the Wastewater Treatment Facility Plan Report.

---

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	0	70,000	0	0	0	0	0	70,000
<b>Total</b>	<b>0</b>	<b>70,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70,000</b>

---

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Sanitary Sewer Receipts	0	70,000	0	0	0	0	0	70,000
<b>Total</b>	<b>0</b>	<b>70,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70,000</b>

---

### Budget Impact

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

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

**Project #** 26WWF-006  
**Project Name** Fan Press

<b>Total Project Cost</b>	\$3,971,000	<b>Contact</b>	Clerk
<b>Department</b>	Waste Water	<b>Type</b>	Improvement
<b>Category</b>	Wastewater	<b>Priority</b>	2 Critical
<b>Status</b>	Active	<b>Useful Life</b>	25 years

### Description

Replace the existing belt filter press with a Fournier Fan Press, will allow us to treat three times the amount of sludge within a seven hour operating window and fit in the existing space.

### Justification

The current belt filter press will not have adequate capacity once the Daisy Brand Phase II becomes operational, an alternative to the fan press would be an additional belt filter press; however do to the space available this would require a building addition. The existing belt filter press also requires consistent supervision.

The fan press presents technology that could replace the current belt filter press to accommodate the increase in sludge production of the industrial load projections, while staying within the existing operating hours of the plant and utilizing the existing building space without the need for a building expansion.

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	0	1,726,500	1,726,500	0	0	0	0	<b>3,453,000</b>
Construction Engineering	0	114,000	104,000	0	0	0	0	<b>218,000</b>
Planning/Design	150,000	150,000	0	0	0	0	0	<b>300,000</b>
<b>Total</b>	<b>150,000</b>	<b>1,990,500</b>	<b>1,830,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,971,000</b>

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
State Revolving Fund (SRF)	300,000	3,671,000	0	0	0	0	0	<b>3,971,000</b>
<b>Total</b>	<b>300,000</b>	<b>3,671,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,971,000</b>

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

Project # 25WWF-001  
Project Name HVAC Unit Replacement

Total Project Cost \$400,000 Department Waste Water  
Type Equipment Category Wastewater  
Priority 3 Very Important Status Active  
Useful Life 20 years

### Description

Replace four HVAC units - 3 on top of Screen and Grit Buildings and 1 unit top of the press building.

### Justification

10-2023 US Water Notes: The automatic with in the screen and grit for HVAC 2 and 3 don't work. Had to replace a bearing unit in 3. Had to clean the coils and replace a motor in Unit 2 last year. These units are required by code, and are costly in maintaining them due to the age.

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Equip/Vehicles/Furnishings	100,000	100,000	100,000	100,000	0	0	0	400,000
<b>Total</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>400,000</b>

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
Sanitary Sewer Receipts	100,000	100,000	100,000	100,000	0	0	0	400,000
<b>Total</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>400,000</b>

### Budget Impact

10-2024 Staff notes: 1 of the 4 will be completed in November 2024. Will need to budget for 2 of 4 units in FY2026.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

---

**Project #** 23WWF-001  
**Project Name** Nutrient Reduction Plan

---

**Total Project Cost** \$369,000      **Department** Waste Water  
**Type** Improvement      **Category** Wastewater  
**Priority** 1 Mandatory      **Status** Active  
**Useful Life** 25 years

---

### Justification

Mandated by the DNR to have completed by August 2026.

---

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Planning/Design	369,000	0	0	0	0	0	0	<b>369,000</b>
<b>Total</b>	<b>369,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>369,000</b>

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Sanitary Sewer Receipts	369,000	0	0	0	0	0	0	<b>369,000</b>
<b>Total</b>	<b>369,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>369,000</b>

---

### Budget Impact

10-2024 Staff Notes: With all the improvements being done at the Wastewater facility we will not be able to complete by the August 2026 deadline and SEH will need to write DNR with a schedule for implementation.

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

Project # 26WWF-001  
 Project Name RAS Pumping Expansion

Total Project Cost	\$108,900	Contact	Clerk
Department	Waste Water	Type	Improvement
Category	Wastewater	Priority	2 Critical
Status	Active	Useful Life	25 years
Estimated Cost	108,900.00		

### Description

This project is included in the 2024 Wastewater Facility Plan report, under the Biosolids Treatment Improvements. The RAS pumps were replaced in 2024; however, one additional pump and piping will be required to accommodate the proposed increased return flow to the VLR. This expansion will include one additional RAS pump, new parallel force main to VLR tanks, and replace existing flow meter.

### Justification

Due to the anticipated growth and needs due to the operations of the anticipated Daisy Brand facility, we will need to complete the expansion of the RAS pump prior to the end of 2027.

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Construction/Maintenance	0	93,900	0	0	0	0	0	93,900
Planning/Design	7,500	7,500	0	0	0	0	0	15,000
<b>Total</b>	<b>7,500</b>	<b>101,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>108,900</b>

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
Sewer Revenue Bond	0	93,900	0	0	0	0	0	93,900
State Revolving Fund (SRF)	15,000	0	0	0	0	0	0	15,000
<b>Total</b>	<b>15,000</b>	<b>93,900</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>108,900</b>

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

---

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

---

<b>Total Project Cost</b>	\$800,000	<b>Department</b>	Waste Water
<b>Type</b>	Improvement	<b>Category</b>	Wastewater
<b>Priority</b>	3 Very Important	<b>Status</b>	Active
<b>Useful Life</b>	50 years		

---

### 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.

---

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	800,000	0	0	0	0	0	0	800,000
<b>Total</b>	<b>800,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>800,000</b>

---

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Sewer Revenue Bond	800,000	0	0	0	0	0	0	800,000
<b>Total</b>	<b>800,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>800,000</b>

---

### Budget Impact

10-2024 Staff Notes: Currently in planning and design.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

---

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

---

Total Project Cost	\$410,000	Department	Waste Water
Type	Maintenance	Category	Wastewater
Priority	4	Status	Active
Useful Life	20 years		

---

### 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	Prior	2026	2027	2028	2029	2030	Future	Total
Construction/Maintenance	410,000	0	0	0	0	0	0	410,000
<b>Total</b>	<b>410,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>410,000</b>

---

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
Sewer Revenue Bond	410,000	0	0	0	0	0	0	410,000
<b>Total</b>	<b>410,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>410,000</b>

---

### Budget Impact

10-2024 Staff Notes: Currently being completed.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

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

**Total Project Cost** \$2,882,187      **Contact** Public Works Director  
**Department** Waste Water      **Type** Maintenance  
**Category** Storm Sewer/Drainage      **Priority** 1 Mandatory  
**Status** Active      **Useful Life** 40 years

### 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.

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	1,442,187	0	0	175,000	175,000	175,000	175,000	<b>2,142,187</b>
Construction Engineering	175,000	175,000	175,000	0	0	0	0	<b>525,000</b>
Planning/Design	15,000	0	0	0	0	0	0	<b>15,000</b>
Study (engineering, etc.)	200,000	0	0	0	0	0	0	<b>200,000</b>
<b>Total</b>	<b>1,832,187</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>2,882,187</b>

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Sanitary Sewer Receipts	1,652,187	175,000	175,000	175,000	175,000	175,000	175,000	<b>2,702,187</b>
Storm Sewer Receipts	180,000	0	0	0	0	0	0	<b>180,000</b>
<b>Total</b>	<b>1,832,187</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>2,882,187</b>

### Budget Impact

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. Administrator 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

10/2023 Staff Notes: Current costs is \$33 to \$36 per foot, verses \$200 per foot to replace.

10-2024 CIP Notes: If funding is available increase to \$200,000 for FY2026.

# City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

**Project #** 10WWF-007  
**Project Name** Snedden Drive Lift Station

<b>Total Project Cost</b>	\$1,612,800	<b>Contact</b>	Clerk
<b>Department</b>	Waste Water	<b>Type</b>	Improvement
<b>Category</b>	Wastewater	<b>Priority</b>	2 Critical
<b>Status</b>	Active	<b>Useful Life</b>	20 years

**Description**

Complete replacement of the existing lift station including; a wetwell manhole, submersible pumps with VFD's, odor control modules, a valve vault with a flow meter, an emergency generator, ductile iron piping, PVC force main, an air release valve manhole at the high point of the force main, associated appurtenances, and surface restoration.

**Justification**

This lift station may require replacement or upgrading in the near future if the R.L. Fisher Business Park fully develops or if a large water user in the business park exceeds the capacity of the lift station.

2017-11 On Integrated Plan for 2024.

2019-11 Will take priority after UV Project.

2023-10 Staff Notes: Development driven, no development can be done with out replacing current lift station. - US Water says there is very little flow.

2024-10 Staff Notes: This project will need to be completed no later than the end of 2027, for the Daisy Brand facility and future growth in the southeast area of Boone.

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	0	1,000,000	393,800	0	0	0	0	<b>1,393,800</b>
Construction Engineering	0	100,000	29,000	0	0	0	0	<b>129,000</b>
Planning/Design	60,000	20,000	0	0	0	0	0	<b>80,000</b>
Other	0	10,000	0	0	0	0	0	<b>10,000</b>
<b>Total</b>	<b>60,000</b>	<b>1,130,000</b>	<b>422,800</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,612,800</b>

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
State Revolving Fund (SRF)	60,000	1,552,800	0	0	0	0	0	<b>1,612,800</b>
<b>Total</b>	<b>60,000</b>	<b>1,552,800</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,612,800</b>

---

## Budget Impact

CIP Committee: This lift station will be a development driven project and will only be required if development leads to the lift station being undersized. The lift station is adequately sized at this time. The lift station should be evaluated each time a business connects to the lift station.

Administrator Recommendation 12/2009: Remain pending.

Administrator Recommendation 11/2015: Remain pending, development driven.

CIP Committee 11/16/2010: Development driven. Remain pending.

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

Administrator Recommendation 10/26/2012: Remain pending.

CIP Committee 11/29/2012: Project should remain pending. This is development driven

11/2018 CIP Committee Notes: R.L. Fisher Industrial Park is developing is full until the street is expanded. Current development should not increase capacity to much.

11/2019 CIP Committee Notes: Will need if school is built to accommodate for a residential development in the area.

10/22/2024 Staff Notes: With the Daisy Project this project will need to be completed prior to the completion of the Daisy Project.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

---

Project # 22WWF-001  
Project Name Utility Distribution Truck

---

Total Project Cost	\$75,000	Department	Waste Water
Type	Equipment	Category	Vehicles
Priority	3 Very Important	Status	Active
Useful Life	10 years		

---

### Description

3/4 Ton Pickup. Carries all parts for water and sanitary sewer main distribution parts. (Carries emergency essentials).

---

### Justification

Existing truck is a 2012 and is rusting out and has maintenance issues. 10-2023 Staff Notes: Current truck has had multiple motor repairs and the box has rust holes through the sides. Current truck has 93,976 miles. A replacement truck is estimated to cost \$50,000.00 plus \$15,000.00 for up-fitting for body.

---

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Equip/Vehicles/Furnishings	75,000	0	0	0	0	0	0	75,000
<b>Total</b>	<b>75,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75,000</b>

---

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
Sanitary Sewer Receipts	45,000	0	0	0	0	0	0	45,000
Water Receipts	30,000	0	0	0	0	0	0	30,000
<b>Total</b>	<b>75,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75,000</b>

---

### Budget Impact

11-2023 CIP Committee Notes: Should be made active pending funding.

10-2025 Staff Notes: In process of being completed.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

Project # 14WWF-010  
 Project Name VLR Basin Addition-Verticel

Total Project Cost	\$5,344,000	Contact	Clerk
Department	Waste Water	Type	Improvement
Category	Wastewater	Priority	1 Mandatory
Status	Active	Useful Life	20 years
Estimated Cost	5572000		

### Description

As an alternative to additional VLR Tanks, the 2024 Wastewater Treatment Facility Plan report (referred to as the Biological Treatment Improvements) proposes to install an aeration basins after the first four VLR tanks. This configuration is Branded by Evoqua as VertiCel. This improvement would include Blower and valve upgrades, VLR hydraulic gate replacement, instrumentation and control upgrades, and associated process piping modifications.

### Justification

Development driven and would be required to meet possible future nutrient reduction regulations.

10/2021 Staff Notes: Waiting on plant study from Short Elliott Hendrickson, anticipated completion of study February 2022.

10-2023 Staff Notes: Part of Nutrient Reduction Plan that is due in Plan is due August 1, 2026

10-2024 Staff Notes: Two additional VLR basins as originally planned in the CIP is estimated to cost \$6,915,000.00 where as the Verticel aeration basin is estimated to cost \$5,344,000.00. Other benefits of the Verticel aeration basin is that it would require a smaller footprint than the additional VLRs and more flexibility. Staff recommends making this project active to meet the needs of the Community and requirements of the Nutrient Reduction Plan that is due by August 1, 2026.

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Construction/Maintenance	0	2,319,000	2,319,000	0	0	0	0	4,638,000
Planning/Design	250,000	250,000	0	0	0	0	0	500,000
Construction Engineering	0	100,000	96,000	0	0	0	0	196,000
Other	0	10,000	0	0	0	0	0	10,000
<b>Total</b>	<b>250,000</b>	<b>2,679,000</b>	<b>2,415,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,344,000</b>

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
State Revolving Fund (SRF)	250,000	5,094,000	0	0	0	0	0	5,344,000
<b>Total</b>	<b>250,000</b>	<b>5,094,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,344,000</b>

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

---

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

---

<b>Total Project Cost</b>	\$583,000	<b>Department</b>	Waste Water
<b>Type</b>	Maintenance	<b>Category</b>	Wastewater
<b>Priority</b>	3 Very Important	<b>Status</b>	Active
<b>Useful Life</b>	25 years		

---

### 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.

---

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction Engineering	37,500	0	0	0	0	0	0	37,500
Construction/Maintenance	437,500	0	0	0	0	0	0	437,500
Other	58,000	0	0	0	0	0	0	58,000
Planning/Design	50,000	0	0	0	0	0	0	50,000
<b>Total</b>	<b>583,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>583,000</b>

---

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Bond (Levy)	583,000	0	0	0	0	0	0	583,000
<b>Total</b>	<b>583,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>583,000</b>

---

### Budget Impact

10-2024 Staff Notes: Currently in planning and design.

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

Project # 26WWF-002  
 Project Name WAS Pump Improvements

Total Project Cost	\$44,400	Contact	Clerk
Department	Waste Water	Type	Improvement
Category	Wastewater	Priority	2 Critical
Status	Active	Useful Life	25 years

### Description

This project was part of the 2024 Wastewater Treatment Facility Plan under the Biosolids Treatment Improvements. The WAS pumps are of sufficient hydraulic size to accommodate the existing and proposed WAS flows with the proposed recommendations. Evaluate the head capacity of the existing WAS pumps to make sure they can pump to the proposed tankage, in addition, the existing motors should be evaluated to determine if they are VFD compatible.

The proposed cost are associated with adding VFD's to the WAS pumps, and replacing the existing flow meters on the WAS piping.

### Justification

These improvements are at the recommendation of Short Elliott Hendrickson, for the Wastewater Treatment Facility improvements.

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Construction/Maintenance	0	38,400	0	0	0	0	0	38,400
Planning/Design	6,000	0	0	0	0	0	0	6,000
<b>Total</b>	<b>6,000</b>	<b>38,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44,400</b>

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
State Revolving Fund (SRF)	6,000	38,400	0	0	0	0	0	44,400
<b>Total</b>	<b>6,000</b>	<b>38,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44,400</b>

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

Project # 26WTR-005  
Project Name 1 MG Elevated Storage Tank

Total Project Cost \$4,140,600 Contact Clerk  
Department Water Type Improvement  
Category Water Priority 2 Critical  
Status Active Useful Life 30 years

### Description

A 1 MG Elevated Storage Tank built near the Daisy Brand site, with a mixer to improve water quality.

### Justification

To meet future average daily consumption of water needs, a water tower will need to be built. Daisy has mentioned some concerns on holding off on this project.

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Construction/Maintenance	0	0	3,705,000	0	0	0	0	3,705,000
Planning/Design	0	300,000	0	0	0	0	0	300,000
Construction Engineering	0	0	135,600	0	0	0	0	135,600
<b>Total</b>	<b>0</b>	<b>300,000</b>	<b>3,840,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,140,600</b>

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
Grant	0	0	2,070,300	0	0	0	0	2,070,300
Water Revenue Bond	0	0	2,070,300	0	0	0	0	2,070,300
<b>Total</b>	<b>0</b>	<b>0</b>	<b>4,140,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,140,600</b>

### Budget Impact

11-2024 Staff notes: Design for the 1 MG Elevate Storage Tank has been included in the Water Treatment System Expansion Project Engineering contract.

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

Project # 26WTR-003  
 Project Name Clearwell Modification

Total Project Cost	\$98,868	Contact	Clerk
Department	Water	Type	Improvement
Category	Water	Priority	2 Critical
Status	Active	Useful Life	20 years

### Description

Part of the 2024 Water System Capacity Evaluation Report.

Reconfigure the clearwell outlet and add a level monitoring system, this should be completed prior to taking down the ground storage reservoir for repairs.

### Justification

With the reconfiguration of the clearwell outlet and the level monitoring system, water levels can be maintained at a lower elevation to assure that an overflow does not occur at the high service pump station.

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	0	84,868	0	0	0	0	0	<b>84,868</b>
Construction Engineering	0	14,000	0	0	0	0	0	<b>14,000</b>
<b>Total</b>	<b>0</b>	<b>98,868</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>98,868</b>

  

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
State Revolving Fund (SRF)	0	98,868	0	0	0	0	0	<b>98,868</b>
<b>Total</b>	<b>0</b>	<b>98,868</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>98,868</b>

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

---

Project # 26WTR-001  
Project Name Exterior Lighting LED Update

---

Total Project Cost	\$25,000	Contact	Administrator
Department	Water	Type	Improvement
Category	Water	Priority	3 Very Important
Status	Active	Useful Life	20 years

---

### Supplemental Attachments

 [LED Lighting At Water Plant \(003\).pdf](#)

---

### Description

Replace existing light poles and fixtures with LEDs, this would include eight 25' light poles and eight light pole heads around the Water Treatment Plant Facility.

---

### Justification

Exterior light fixtures are original with the facility and are showing age, poles are rusting and light fixtures are cracked.

---

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Construction/Maintenance	0	25,000	0	0	0	0	0	25,000
<b>Total</b>	<b>0</b>	<b>25,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25,000</b>

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
Water Receipts	0	25,000	0	0	0	0	0	25,000
<b>Total</b>	<b>0</b>	<b>25,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25,000</b>

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

---

**Project #** 26WTR-006  
**Project Name** Greene St. Storage Tank Valve Replacement

---

**Total Project Cost** \$71,280      **Contact** Clerk  
**Department** Water      **Type** Maintenance  
**Category** Water      **Priority** 5  
**Status** Active      **Useful Life** 30 years

---

### Description

Remove and replace existing altitude valve in the Greene Street elevated storage tank.

---

### Justification

Altitude valve is starting to have issues.

---

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	0	0	64,800	0	0	0	0	<b>64,800</b>
Construction Engineering	0	0	3,280	0	0	0	0	<b>3,280</b>
Planning/Design	0	3,200	0	0	0	0	0	<b>3,200</b>
<b>Total</b>	<b>0</b>	<b>3,200</b>	<b>68,080</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>71,280</b>

---

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Water Receipts	0	0	64,800	0	0	0	0	<b>64,800</b>
State Revolving Fund (SRF)	6,480	0	0	0	0	0	0	<b>6,480</b>
<b>Total</b>	<b>6,480</b>	<b>0</b>	<b>64,800</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>71,280</b>

---

### Budget Impact

11-2024 Staff notes: Planning and design for the replacement of valve is included in the Water Treatment System Expansion Project.

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

Project # 13WTR-002  
 Project Name Ground Storage Reservoir

Total Project Cost	\$1,128,361	Department	Water
Type	Improvement	Category	Water
Priority	7	Status	Active
Useful Life	20 years	Estimated Cost	1174960

### Description

2013 Staff Notes: Install a One million gallon reservoir located at the Water Treatment Plant high service pumping grounds. Split tank for cleaning & maintenance.

10-2024 Staff Notes: Based on the 2024 Water System Capacity Evaluation Report, the current reservoir can be maintained and continue to be used with some repairs. During the preliminary design of the reservoir rehabilitation, an addition of a dividing wall should be reviewed. This wall would allow for half of the tank to be taken down at a time for future maintenance. Repairs needed include patching the walls and roof, an interior beam, regrade existing ground surface around the tank, and patch the slab edge.

### 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

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Construction/Maintenance	0	458,639	524,722	0	0	0	0	983,361
Planning/Design	50,000	50,000	0	0	0	0	0	100,000
Construction Engineering	0	25,000	20,000	0	0	0	0	45,000
<b>Total</b>	<b>50,000</b>	<b>533,639</b>	<b>544,722</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,128,361</b>

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
State Revolving Fund (SRF)	0	1,128,361	0	0	0	0	0	1,128,361
<b>Total</b>	<b>0</b>	<b>1,128,361</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,128,361</b>

### Budget Impact

11-2019 Staff Notes: 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.

10-2024 Staff Notes: An evaluation of the ground reservoir was completed in October 2022. At that time various repairs were identified to improve the structural integrity and functionality of the reservoir.

# City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

**Project #** 26WTR-004  
**Project Name** High Service Pump Replacement

<b>Total Project Cost</b>	\$1,002,250	<b>Contact</b>	Clerk
<b>Department</b>	Water	<b>Type</b>	Improvement
<b>Category</b>	Water	<b>Priority</b>	3 Very Important
<b>Status</b>	Active	<b>Useful Life</b>	20 years

**Description**

Replace all three high service pumps with 2,500 gpm at 450 ft of total dynamic head (TDH), a fourth pump could be installed in the current pump chamber if necessary in the future. Water modeling will be included in the preliminary design to confirm the TDH. The new high service pump installation will include VFDs. In addition, a level monitoring system should be added to each pump.

**Justification**

10-2024 Staff Notes: Based on the 2024 Water Capacity Evaluation Report, the existing high service pumps are undersized for the system pressure. Current pump station is capable of producing 4.03 MGD with both pumps online, it is anticipated that we will need to produce 4.901 MGD in 2028.

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	0	0	650,000	221,250	0	0	0	<b>871,250</b>
Planning/Design	25,000	75,000	0	0	0	0	0	<b>100,000</b>
Construction Engineering	0	0	20,000	11,000	0	0	0	<b>31,000</b>
<b>Total</b>	<b>25,000</b>	<b>75,000</b>	<b>670,000</b>	<b>232,250</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,002,250</b>

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
State Revolving Fund (SRF)	0	1,002,250	0	0	0	0	0	<b>1,002,250</b>
<b>Total</b>	<b>0</b>	<b>1,002,250</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,002,250</b>

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

---

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

---

Total Project Cost	\$1,650,000	Department	Water
Type	Maintenance	Category	Water
Priority	2 Critical	Status	Active
Useful Life	4 years		

---

### 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

---

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Construction/Maintenance	600,000	350,000	0	350,000	0	350,000	0	1,650,000
<b>Total</b>	<b>600,000</b>	<b>350,000</b>	<b>0</b>	<b>350,000</b>	<b>0</b>	<b>350,000</b>	<b>0</b>	<b>1,650,000</b>

---

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
Water Receipts	775,000	175,000	175,000	175,000	175,000	175,000	0	1,650,000
<b>Total</b>	<b>775,000</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>175,000</b>	<b>0</b>	<b>1,650,000</b>

---

### Budget Impact

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

10-2025 Staff Notes: South pond will be completed this fall, staff feels we can extend this out by another year. Currently setting aside \$175,000 each year.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

Project # 24WTR-002  
Project Name Lime Slakers

Total Project Cost \$762,500 Department Water  
Type Maintenance Category Water  
Priority 10 Future Consideration Status Active  
Useful Life 10 years

### 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.

10-2024 Staff Notes: waiting to start construction.

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Construction Engineering	23,000	0	0	0	0	0	0	23,000
Construction/Maintenance	659,500	0	0	0	0	0	0	659,500
Planning/Design	80,000	0	0	0	0	0	0	80,000
<b>Total</b>	<b>762,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>762,500</b>

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
State Revolving Fund (SRF)	762,500	0	0	0	0	0	0	762,500
<b>Total</b>	<b>762,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>762,500</b>

### Budget Impact

10-2025 Staff Notes: Project has begun.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

Project # 26WTR-007  
Project Name Lime Softening Treatment Modification

Total Project Cost \$720,720 Contact Clerk  
Department Water Type Improvement  
Category Water Priority 2 Critical  
Status Active Useful Life 20 years

### Description

Modification to the current lime softening Treatment system to accommodate for a Jordan Aquifer Well.

### Justification

Currently the City has only Alluvial Aquifer wells, if we add a Jordan Aquifer well there is a difference in water quality and temperature, this will need to be addressed by mixing the water from the two types of wells before it enters the lime softening clarifiers.

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Construction/Maintenance	0	0	655,200	0	0	0	0	655,200
Planning/Design	0	45,000	0	0	0	0	0	45,000
Construction Engineering	0	0	20,520	0	0	0	0	20,520
<b>Total</b>	<b>0</b>	<b>45,000</b>	<b>675,720</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>720,720</b>

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
Water Revenue Bond	0	0	655,200	0	0	0	0	655,200
State Revolving Fund (SRF)	0	65,520	0	0	0	0	0	65,520
<b>Total</b>	<b>0</b>	<b>65,520</b>	<b>655,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>720,720</b>

### Budget Impact

11-2024 Staff notes: Planning & Design is included in the Water Treatment System Expansion Project SEH Contract.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

---

Project # 20WTR-005  
Project Name Water Meter Van

---

Total Project Cost	\$60,000	Department	Water
Type	Equipment	Category	Vehicles
Priority	5	Status	Active
Useful Life	10 years		

---

### Description

This van is used to replace water meters throughout the City's distribution system. Both water and sewer revenue are received from these meters.

---

### Justification

Existing water meter van is a 2017 with 67,000 miles. Average 17,000 miles per year. By the year 2025 the van will have 120,000 miles. This will be a maintenance issue.

---

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Equip/Vehicles/Furnishings	0	60,000	0	0	0	0	0	60,000
<b>Total</b>	<b>0</b>	<b>60,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60,000</b>

---

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
Sanitary Sewer Receipts	0	30,000	0	0	0	0	0	30,000
Water Receipts	0	30,000	0	0	0	0	0	30,000
<b>Total</b>	<b>0</b>	<b>60,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60,000</b>

---

### Budget Impact

10-2024 Staff Notes: Staff feels this is important to move forward.

2026 thru 2030

## City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

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

Total Project Cost	\$657,944	Department	Water
Type	Maintenance	Category	Buildings
Priority	6 Important	Status	Active
Useful Life	20 years	Estimated Cost	657,944

### Description

Flat roofs with rubber membrane. Two buildings and two tanks. Total of four roofs.

### Justification

The roof is 18 years old with a 20-year rated lifespan.

Expenditures	Prior	2026	2027	2028	2029	2030	Future	Total
Construction Engineering	10,000	0	0	0	0	0	0	10,000
Construction/Maintenance	637,944	0	0	0	0	0	0	637,944
Planning/Design	10,000	0	0	0	0	0	0	10,000
<b>Total</b>	<b>657,944</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>657,944</b>

Funding Sources	Prior	2026	2027	2028	2029	2030	Future	Total
State Revolving Fund (SRF)	657,944	0	0	0	0	0	0	657,944
<b>Total</b>	<b>657,944</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>657,944</b>

### Budget Impact

11/2019: Just did a minor repair to aerator, roof is not leaking.

10-2024 Staff Notes: Being completed.

# City of Boone Capital Improvement Plan Details - Active

Boone, Iowa

**Project #** 20WTR-004  
**Project Name** Water Plant Well (New)

<b>Total Project Cost</b>	\$3,833,280	<b>Department</b>	Water
<b>Type</b>	Improvement	<b>Category</b>	Water
<b>Priority</b>	2 Critical	<b>Status</b>	Active
<b>Useful Life</b>	50 years		

### Description

A new well needs to be added to the water plant well field to provide additional water source. Two types of wells were reviewed in the 2024 Water System Capacity Evaluation Report a Jordan Aquifer (deep well) and the Alluvial Aquifer (shallow well, similar to the other 14 wells the City has).

SEH proposed in the 2024 Water System Capacity Evaluation report that we move forward with two Jordan Aquifer Well and Lime Softening Treatment Modification.

### Justification

Development driven.

10-2024 Staff Notes: Due to increased levels of nitrates in the source water the operators currently only run seven of the fourteen wells; with a combined raw water capacity of 2.91 MGD. The total capacity of the well field is 6.29 MGD, even with all wells in operation, the firm capacity does not meet the MD demand of 6.170 MGD in 2044. With only utilizing seven of the wells, the raw capacity will be reached in 2028 with a MD demand of 4.901 MGD. To meet the MD demand in 2028 we will need two Jordan Aquifer Wells or four additional Alluvial Aquifer Wells.

<b>Expenditures</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Construction/Maintenance	0	0	1,220,720	1,500,000	656,000	0	0	<b>3,376,720</b>
Construction Engineering	0	0	75,000	75,000	131,560	0	0	<b>281,560</b>
Planning/Design	0	125,000	0	0	0	0	0	<b>125,000</b>
Other	0	50,000	0	0	0	0	0	<b>50,000</b>
<b>Total</b>	<b>0</b>	<b>175,000</b>	<b>1,295,720</b>	<b>1,575,000</b>	<b>787,560</b>	<b>0</b>	<b>0</b>	<b>3,833,280</b>

<b>Funding Sources</b>	<b>Prior</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>Future</b>	<b>Total</b>
Water Revenue Bond	0	3,833,280	0	0	0	0	0	<b>3,833,280</b>
<b>Total</b>	<b>0</b>	<b>3,833,280</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,833,280</b>