

City of Hastings

Capital Improvement Plan

March 2025



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Introduction

Capital Improvement Planning helps coordinate the needs and priorities of the City with sound fiscal management. The CIP includes all planned capital expenditures for the upcoming six-year period (Upcoming fiscal year plus 5). Consideration is given to the City's adopted Master Plan, City Council defined goals & objectives, and various infrastructure plans and reviews when creating the annual CIP. Additionally, the coordination and timing of projects is critical to ensure an efficient and responsible use of public funds for capital improvements.

Some of the many benefits that the CIP provides the residents and stakeholders include:

- Use as a tool to optimize the use of revenue
- Focus attention on community goals, needs, and capabilities
- Guide future growth and development
- Encourage efficiencies
- Help maintain a sound and stable financial program
- Enhance opportunities for the participation in federal and/or state grant programs

A capital improvement for the purpose of this plan is any capital expense of at least \$10,000 in value that has a useful life of three years or longer. This could include property acquisition, facility construction, non-recurring rehabilitation, major equipment purchase, or any planning, feasibility, or design study related to an individual capital improvement project.

The City of Hastings public infrastructure includes drinking water supply and delivery systems, wastewater collection and treatment systems, storm drainage systems, and public streets. These systems are aging and certain parts need to be repaired or replaced to keep up with deterioration over time. In addition to the City's mostly linear (right-of-way related) infrastructure, this plan includes capital planning for at least 6 years of all types of public structures and assets including: public parks and recreation, city-owned buildings and parking lots, public works assets, cemeteries, public safety (police and fire), library, and other related city-owned assets.

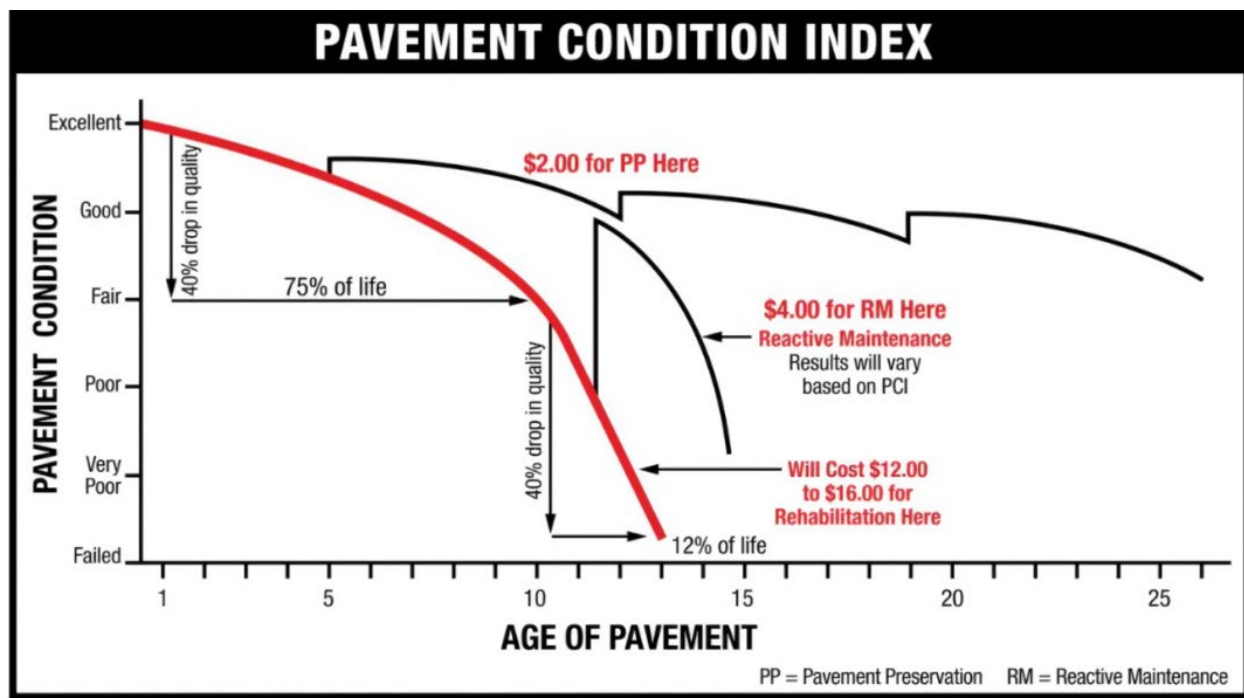
Waiting until something breaks to make emergency repairs is expensive and often leads to unexpected budget impacts. A more proactive approach can minimize life cycle costs using the following steps:

- Evaluate the condition and capacity of assets to determine the needs
- Implement a maintenance program for the small needs
- Implement a Capital Improvement Plan for the big needs
- Develop financial strategies to fund all planned work before needs become emergencies

Planning Framework

The philosophy behind the capital improvement plan is rooted in asset management. Asset management is an ongoing process of maintaining, preserving, upgrading, and operating physical assets cost-effectively, based on a continuous physical inventory and condition assessment and investment to achieve established performance goals. Asset management minimizes the total cost of owning and operating systems while delivering services at a level desired by customers.

An example of asset management can be found by consulting a pavement condition index. The index demonstrates how making preventative maintenance a priority is more cost effective and lengthens the useful life of pavement relative to focusing on the worst condition roads and making expensive repairs.



Proper asset management for pavement would include routine condition assessments of the road system, consideration of the most cost-effective treatments, and consideration of the level of service the road provides residents and taxpayers. It also considers the timing of related infrastructure improvements, such as water and sewer, which may impact pavement quality and cost of a project. Another consideration is the criticality of the infrastructure – what would result if there was a failure?

Asset management principles can be used for any infrastructure system.

Project considerations without asset management	Project considerations based on asset management
• What system element is in the worst condition? • What do I think is the most important project? • What do we have funds to do? • How can we “fix” the most problems at one time?	• Where can we get the most bang for our buck? • How can we sustain the level of service our residents expect? • How can we use data to make informed decisions?

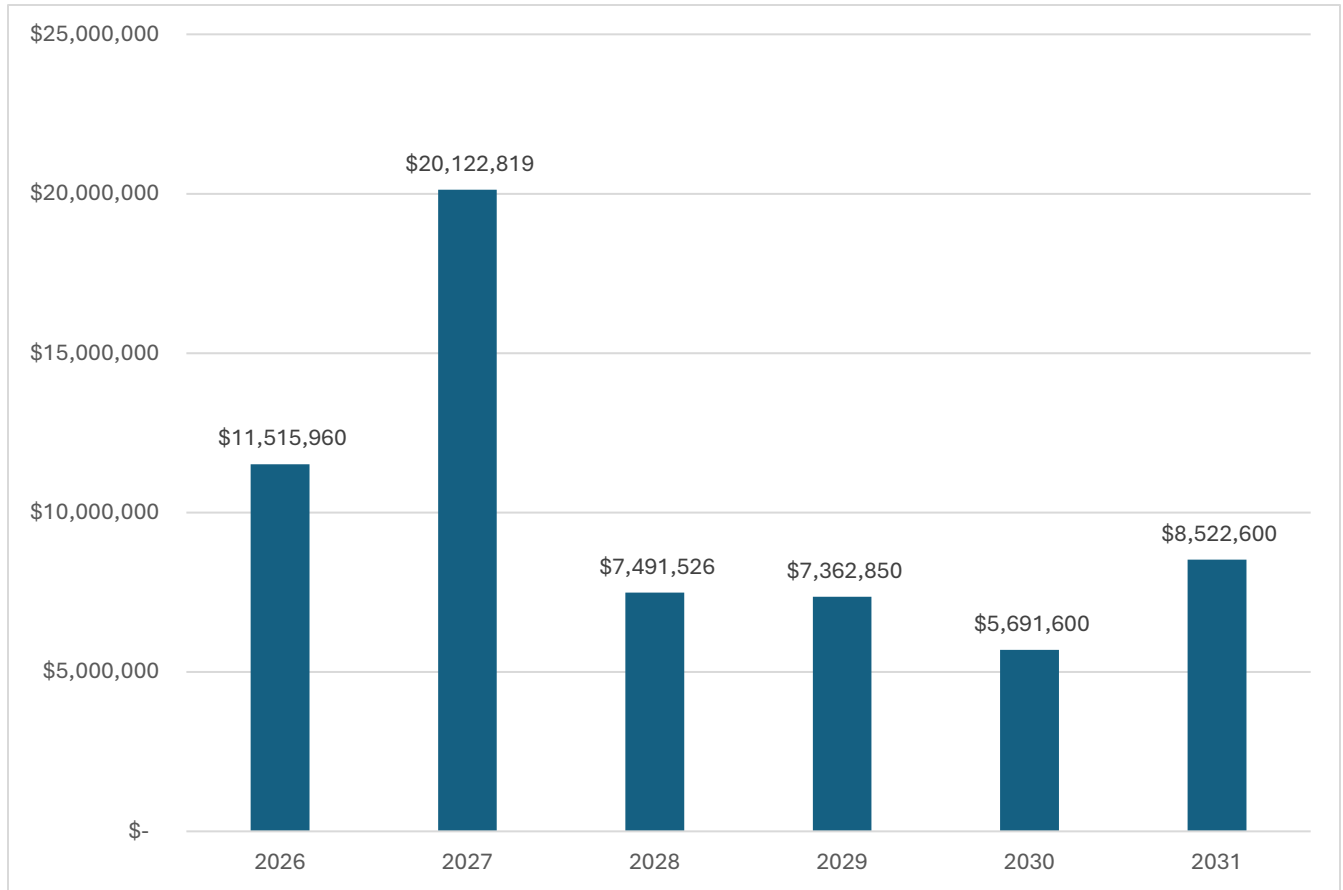
		2026	2027	2028	2029	2030	2031	Total
General Services								
CH-1	Elevator Modernization	180,000						180,000
CH-2	City Hall Improvements		30,000	20,000	20,000	20,000	25,000	115,000
CH-3	Replace Phone System		45,000					45,000
DPS-1	Screening of Compost Facility	20,000	25,000		25,000		25,000	95,000
Total General Services		200,000	100,000	20,000	45,000	20,000	50,000	435,000
Parks & Recreation								
P-2	Fish Hatchery Softball Field				95,000			95,000
P-3	Fish Hatchery Walking Path Reconstruction		45,000					45,000
P-4	Tangle Town Renovation	885,000						885,000
P-5	Tyden Park Pavillion Restoration		20,000					20,000
P-6	Tyden Park Riverwalk Trail			65,000				65,000
P-7	Tyden Park Drive and Parking		125,000					125,000
P-8	Riverwalk Trail Signage Improvements		20,000					20,000
P-9	Non-motorized Trail / McNair St						100,000	100,000
P-11	River Access Improvements					25,000		25,000
P-12	Hammond Hills Green Restroom Construction		95,000					95,000
P-13	Hammond Hills Parking Lot Expansion			100,000				100,000
P-14	Pickleball at Bob King Park	65,000						65,000
Total Parks & Recreation		950,000	305,000	165,000	95,000	25,000	100,000	1,640,000
Library								
L-1	Battery Backup Replacement	50,000						50,000
L-2	Library Roof Replacement			245,000				245,000
Total Library		50,000	0	245,000	0	0	0	295,000

		2026	2027	2028	2029	2030	2031	Total
Water/Sewer Department								
W-1	Water Plant SCADA Upgrades	14,000						14,000
W-2	Water Reliability Study				25,000			25,000
W-3	Elevated Storage Tank Inspections		40,000					40,000
W-4	Water Plant High Service Pumps - Pull & Inspect		35,000		35,000			70,000
W-5	Well #1 - Pull and Inspect Pump	35,000						35,000
W-6	Water Asset Management Plan Update	15,000				15,000		30,000
W-7	Generator Enclosure	50,000						50,000
W-8	Filter Tank Painting	30,000						30,000
W-9	Iron Filter Media Inspection and Replacement					300,000		300,000
W-11	Construct new elevated storage tank					3,000,000		3,000,000
SS-1	Final Clarifier #2 - rotating mechanism replacement	350,000						350,000
SS-2	Final Clarifier #1 - rotating mechanism replacement			400,000				400,000
SS-3	Scum Collector/Separator					250,000		250,000
SS-4	New LDO Probes		20,500					20,500
SS-5	WWTP SCADA Upgrades	30,000						30,000
SS-6	Utility Cart	13,500						13,500
SS-7	WWTP Cold Storage Building Upgrade			12,000				12,000
SS-12	Air Scrubber Media Replacement	15,000		15,000		15,000		45,000
SS-13	North Primary Clarifier Mechanism Replacement				400,000			400,000
SS-17	Additional Blower			200,000				200,000
SS-18	Railroad St Lift Station Replacement					524,000		524,000
WS-33	North and Broadway Water and Sewer Improvements		6,666,805					6,666,805
WS-19	Green/Market St. Sanitary Sewer Replacement (Broadway to Fish Hatchery Park/State St to Green St)	7,302,060						7,302,060
SS-20	Sanitary Sewer Televising Program		50,000	50,000	50,000	50,000		200,000
W-21	Marshall St. Water Main Replacement & LSLR Project (Jefferson to West End)				1,785,070			1,785,070
W-22	Clinton St. (east)/Dibble Water Main Replacement/Transmission Improvements (Hanover/M37 to State St)		4,790,991					4,790,991
W-23	Clinton St. (west) Water Main & LSL Replacement Project (Michigan to West End), and S Benton St. Sanitary & Storm Sewer Replacement (Clinton to Walnut)			2,681,239				2,681,239
W-24	Hanover Improvements		549,975					549,975
SS-24	Apple Street Sanitary Trunk Sewer Replacement		4,609,744					4,609,744
W-25	Lead Service Line Replacements	350,000	350,000	88,750	177,500	357,000	400,000	1,723,250
SS-26	Mill Street Sanitary Replacement (Michigan to Jefferson)		175,000					175,000
SS-27	E. Madison Sanitary Replacement					450,000		450,000
SS-28	Smoke Testing for Sanitary Sewer I&I			65,000				65,000
SS-30	Sanitary Sewer Spot Repairs		50,000	50,000				100,000
SS-31	Sanitary sewer root treatment					25,000		25,000
Total Water/Sewer		8,204,560	17,338,015	3,561,989	2,472,570	4,986,000	400,000	36,963,134

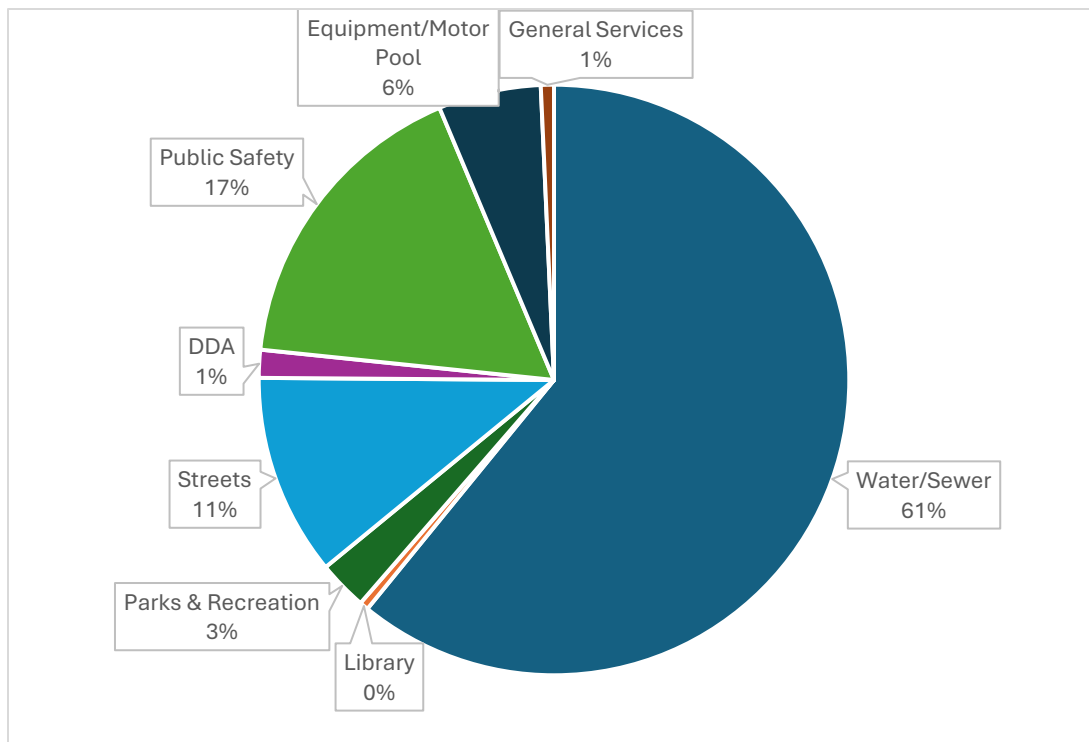
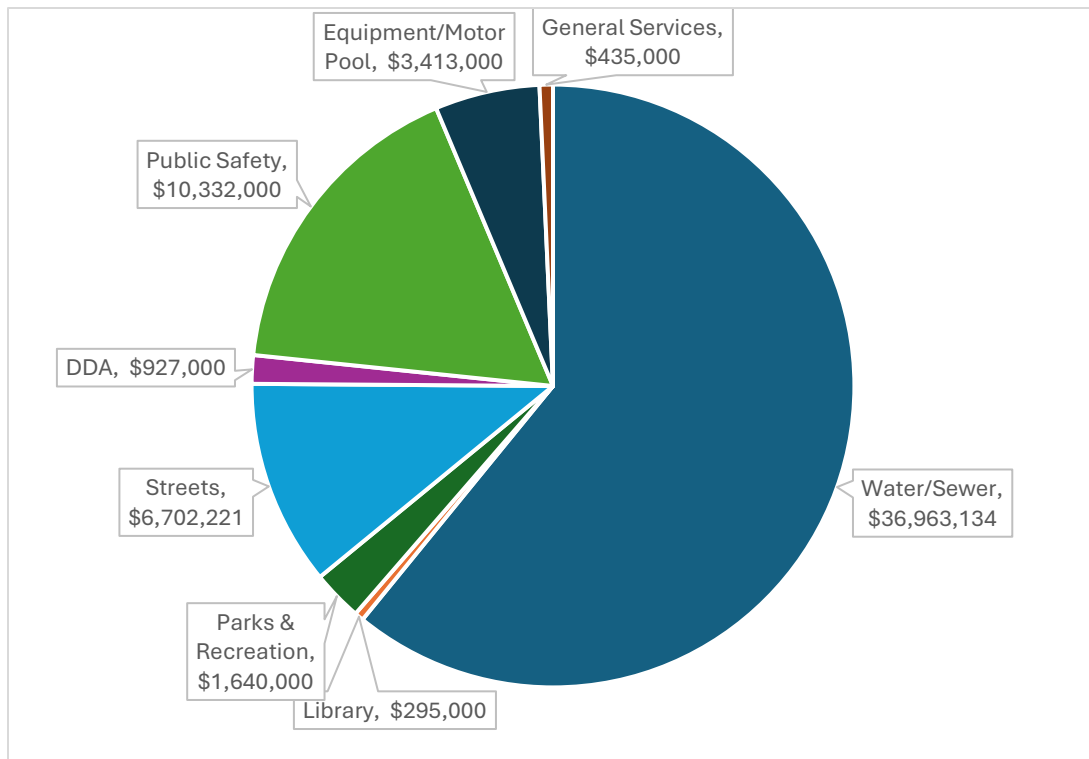
		2026	2027	2028	2029	2030	2031	Total
Streets								
MS-2	Michigan Ave Bridge Maintenance	100,000						100,000
MS-3	Boltwood Storm Sewer Replacement		30,000					30,000
MS-4	State St Storm Sewer Replacement			345,000				345,000
MS-5	Chipsealing		150,000	150,000	150,000	150,000	150,000	750,000
MS-6	E. State Rd Mill and resurface		600,000					600,000
MS-7	E. Grand Street storm sewer replacement				210,000			210,000
MS-8	E. Grand Street mill & resurface				600,000			600,000
MS-9	concrete repairs - sidewalk, curb & gutter, etc	50,000	50,000	50,000	50,000	50,000		250,000
MS-11	Woodlawn Sidewalk Install Broadway to Bob King Park		55,000					55,000
	Clinton St. (west) (Michigan to West End), and S Benton Storm							
MS-13	Sewer Replacement (Clinton to Walnut)			1,649,137				1,649,137
MS-15	Hanover Improvements		373,404					373,404
LS-1	Road Gravel	10,000						10,000
LS-2	concrete repairs - sidewalk, curb & gutter, drive approaches	30,000	30,000	30,000	30,000	30,000		150,000
LS-3	Marshall St. (Jefferson to West End)				1,096,873			1,096,873
S-1	Storm Sewer Televising Program	71,000	73,000	73,000	75,000	75,000	77,000	444,000
S-2	Storm Sewer Spot Repairs				38,807			38,807
Total Streets		261,000	1,361,404	2,297,137	2,250,680	305,000	227,000	6,702,221
TIF Funds								
DDA-1	Downtown street light replacements			425,000				425,000
DDA-2	Downtown sidewalk improvements				200,000	200,000		400,000
DDA-3	Parking Lot 1 Improvements		35,000					35,000
DDA-4	Low Voltage Underground Wiring - Thornapple Plaza	67,000						67,000
Total TIF		67,000	35,000	425,000	200,000	200,000		927,000

		2026	2027	2028	2029	2030	2031	Total
Emergency Services								
PD-1	Patrol Vehicle Replacement (#41)				60,000			60,000
PD-2	Patrol Vehicle Replacement (#43)				60,000			60,000
PD-3	Patrol Vehicle Replacement (#42)		55,000					55,000
PD-4	Patrol Vehicle Replacement (#47)		55,000					55,000
PD-5	Duty Weapon Replacement	11,000						11,000
PD-6	Radar Trailer Replacement	15,000						15,000
PD-7	Radio Encryption			78,000				78,000
PD-8	Police Department Workspace Update	200,000						200,000
PD-9	Taser Replacement	10,000						10,000
F-1	Replacement Nozzels	3,800	3,800	3,800				11,400
F-2	Chain Saws & Ventilation Saw	16,000						16,000
F-3	LifePack	28,000						28,000
F-4	Attack Hose	4,000	4,000	4,000	4,000			16,000
F-5	Turnout Gear (4 sets annually)	15,600	15,600	15,600	15,600	15,600	15,600	93,600
F-6	800 Radios	10,000	10,000	10,000	10,000			40,000
F-7	CPR chest compressor			26,000				26,000
F-8	Chief Vehicle Replacement		70,000					70,000
F-9	Aerial Replacement (836)				1,900,000			1,900,000
F-10	Fire Station Restroom Facility and Safety Upgrades	35,000						35,000
F-11	Fire Station Roof Replacement	22,000						22,000
F-12	Office Flooring	10,000						10,000
F-13	Extrication Tool	20,000						20,000
ES-1	Fire Station Construction						7,500,000	7,500,000
Total Emergency		400,400	213,400	137,400	2,049,600	15,600	7,515,600	10,332,000
Equipment/Motor Pool								
MP-1	Superintendent Vehicle (#20)		70,000			70,000		140,000
MP-2	Superintendent Vehicle (#30)		70,000			70,000		140,000
MP-3	Dust control attachment for swap loader truck				40,000			40,000
MP-4	3-sided storage bldg				75,000			75,000
MP-5	Front End Loader (#220)	285,000						285,000
MP-7	Dump Truck Replacement (#130)	210,000						210,000
MP-10	John Park Mower Replacement (#300)		55,000					55,000
MP-11	C-7500 2000 GMC Replacement (#120)	160,000						160,000
MP-12	Salt Storage Building	250,000						250,000
MP-13	International Sweeper 2018 (#270)	395,000						395,000
MP-14	Cat Skid Steer 2014 (#430)				135,000			135,000
MP-15	Box Replacement for Dump 550	28,000						28,000
MP-16	Dump 550 Replacement						230,000	230,000
MP-17	Vactor Truck Replacement (#240)		575,000					575,000
MP-19	Front End Loader (#250)			325,000				325,000
MP-20	Excavator Replacement (#180)			315,000				315,000
MP-21	2007 Chevy Replacement (#590)	55,000						55,000
Total Equipment/Motor Pool		1,383,000	770,000	640,000	250,000	140,000	230,000	3,413,000
GRAND TOTAL 2026 - 2031								60,707,355

Planned Spending by Year



Project Cost by Category
Fiscal Year 2026-2031
\$60,707,355



General Services

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: City Hall Elevator Modernization

Project ID #: _____ CIP ID #: CH-1

Department: _____ Anticipated Start Date: 07/2026

Date Prepared: 02/19/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Upgrading City Hall's elevator by replacing existing equipment and replacing with new:
Soft starter, Power Unit, Controller, Special Emergency Service, Applied Car Operating Panel,
Handsoff Phone, Hoist Operating Devices, and other misc. items.

Project Need: Provide a brief explanation of why the project is necessary.

There are changes to the building code that will come into effect in a few years which need to be applied to our elevator. The proposed upgrades would be to meet these upcoming requirements as well as update the overall elevator function. The original elevator manufacturer is no longer in production.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 180,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

Otis quote dated 01/25/24

Otis Service and Repair Order

1/25/2024

CUSTOMER NAME

Hastings City Hall
201 East State Street
Hastings, MI 49058

OTIS ELEVATOR COMPANY

77 E. MICHIGAN, SUITE 10
BATTLE CREEK, MI 49017

OTIS CONTACT

Kelli Shafley
Phone:
Email: Kelli.Shafley1@otis.com

PROJECT LOCATION

HASTINGS CITY HALL
201 EAST STATE STREET
HASTINGS, MI 49058

PROPOSAL NUMBER

QTE-001820777

We propose to furnish the necessary material and labor on the following units:

Unit	Customer Designation
D54276	ELEVATOR 1

SCOPE OF WORK**Otis' HYDRO ACCEL ELEVATOR MODERNIZATION - BUDGET PRICING**

We propose to furnish labor and material to provide a hydraulic microprocessor-based control system. It is specifically designed to meet the particular needs of modernizing hydraulic elevators. The system is integrated by communications over serial links and discrete wiring.

DUTY

The present capacity will be retained.

TRAVEL

The present travel will be retained.

STOPS AND OPENINGS

Present stops and openings will be retained.

POWER SUPPLY (RETAINED)

The present power supply will be retained and the new equipment will be arranged for this power supply.

SOFT STARTER (NEW)

A new solid-state starter will be provided. It will be of the same power requirement and starting configuration as presently exists.

POWER UNIT (NEW)

The existing power unit will be replaced with a new power unit. The new power unit consists of a positive displacement pump, motor, integral 4-coil control valve, oil tank and muffler.

The pump and motor are submerged and are mounted to the tank with rubber isolators to reduce vibration and noise. A muffler is provided to dissipate pulsations and noise from the flow of hydraulic fluid. The valve consists of up, up leveling, down and down leveling controls along with manual lowering and a pressure relief valve.

AUTOMATIC SELF-LEVELING (WITH NEW HOISTWAY LEVELING DEVICE)

The elevator shall be provided with automatic self-leveling that shall bring the elevator car level with the floor landings, no more than $\pm 1/2$ " assuming proper loading. The automatic self-leveling shall correct for over travel or under travel.

CONTROLLER

A microprocessor-based control system shall be provided to perform all the functions of safe elevator motion and elevator door control. This shall include all the hardware required to connect, transfer and interrupt power, and protect the motor against overloading. The system shall also perform group operational control.

Each controller cabinet containing memory equipment shall be properly shielded from line pollution. The microcomputer system shall be designed to accept reprogramming with minimum system downtime.

OPERATION - ONE CAR

Operation shall be automatic by means of the car and landing buttons. Stops registered by momentary actuation of the car or landing buttons shall be made in the order in which the landings are reached in each direction of travel after the buttons have been actuated. All stops shall be subject to the respective car or landing button being actuated sufficiently in advance of the arrival of the car at that landing to enable the stop to be made. The direction of travel for an idle car shall be established by the first car or landing button actuated.

"UP" landing, calls shall be answered while the car is traveling in the up direction and "DOWN" landing, calls shall be answered while the car is traveling down. The car shall reverse after the uppermost or lowermost car or landing call has been answered, then proceed to answer car calls and landing calls registered in the opposite direction of travel.

If the car without registered calls arrives at a floor where both up and down hall calls are registered, it shall initially respond to the hall call in the direction that the car was traveling. If no car call or hall call is registered for further travel in that direction, the car shall close its doors and immediately reopen them in response to the hall call in the opposite directions. Direction lanterns, if furnished, shall indicate the change of direction when the doors reopen.

An independent service switch shall be provided in the car operating panel which, when actuated, shall cancel previously registered car calls, disconnect the elevator from the hall buttons and allow operation from the car buttons only.

SPECIAL EMERGENCY SERVICE -FIRE SERVICE

Special Emergency Service operation shall be provided in compliance with the revision of the ASME/ANSI A17.1 Code. Special Emergency Service Phase I to return the elevator (s) non-stop to a designated floor shall be initiated by an elevator smoke detector system or a keyswitch provided in a lobby fixture. If required, the smoke detector system is to be furnished by others. The elevator contractor shall provide input connections on the elevator controller to receive signals from the smoke detector system. A keyswitch in the car shall be provided for in-car control of each elevator when on Phase II of Special Emergency Service. If an elevator is on independent service when the elevators are recalled on Phase I operation, a buzzer shall sound in the car and a jewel shall be illuminated, subject to applicable codes.

INSPECTION OPERATION

For inspection purposes, an enabling keyswitch shall be provided in the car operating panel to permit operation of the elevator from on top of the car and to make car and hall buttons inoperative

On top of the car an operating fixture shall be provided containing continuous pressure "UP" and "DOWN" buttons, an emergency stop button, and an inspection-initiating switch. This switch makes the fixture operable and, at the same time, makes the door operator and car and hall buttons inoperable

OTIS REM® MAINTENANCE

We will provide a microprocessor system that continuously monitors the Unit(s) on a 24-hour per day, year-round basis. The system will notify our OTISLINE® dispatching center that a Unit is inoperative by sending a message via telephone line. Upon the receipt of such message, we will either notify your on-site representative or initiate the dispatch of our personnel for emergency minor adjustment callback service during regular working hours of our regular working days for the mechanics that perform the service.

We will collect data on the equipment condition, including hydraulic tank oil level, door operation, leveling and whether the operation of a Unit has been interrupted. That information will be used to tailor the Otis Maintenance Management System™ preventive maintenance program for the Unit(s).

You will furnish us at your expense, one (1) outside telephone line to the elevator machine room that allows data calls to and from a toll-free number at our OTISLINE dispatching center. The telephone line may be a separate line dedicated to the REM® maintenance equipment or may be an existing line that is shared between another telephone and the REM maintenance equipment.

All of the REM maintenance monitoring equipment installed by us remains our property and if the Contract is terminated for any reason, we will be given access to your premises to remove the monitoring equipment at our expense.

ACCESSALERT HOISTWAY SAFETY DEVICE

Included in this scope of work we will furnish and install all of the necessary components, circuitry and wiring for a new AccessAlert system, which will operate on the elevator car top and pit. AccessAlert will be installed so the elevator can be controlled in a safe manner when an authorized person accesses the elevator hoistway.

APPLIED CAR OPERATING PANEL (NEW)

An applied car-operating panel shall be furnished. The panel shall contain a bank of illuminated buttons marked to correspond with the landings served, an emergency call button, emergency stop button or switch, door open and door close buttons, and a light switch. The emergency call button shall be connected to a bell that serves as an emergency signal. A fan switch, if optional fan is provided, shall also be located in the car-operating panel. All car operating panel lamps shall be the low-voltage long life lamps.

OTIS HANDSOFF® PHONE (NEW)

We propose to furnish and install the Otis HANDSOFF® phone. The HANDSOFF phone is a telephone that enables communication between persons in the elevator and a 24-hour answering service.

The HANDSOFF phone will be mounted in a telephone box or surface mounted in the elevator cab. It will automatically dial a preprogrammed number and will inform the answering service of the elevator location via prerecorded digital voice communication. After disclosing the elevator location, the phone will allow two-way voice communication. The HANDSOFF phone contains two light-emitting diodes -- one that indicates the call is in progress and another that indicates the call has been acknowledged. After receiving acknowledgment of the call from the answering service, a deaf/mute person can signal the answering service by reactivating the call button. The phone can be easily programmed and allows incoming calls to be received. The telephone will be furnished and installed in accordance with the ASME A17.1 Safety Code for Elevators and Escalators and is registered with the FCC.

CAR POSITION INDICATOR

A digital position indicator shall be provided and installed in car operation panel.

AUDIBLE SIGNAL (INDICATES PASSING OR STOPPING AT A LANDING) (NEW)

An audible signal shall sound in the car to tell passengers that the car is either stopping or passing a landing served by the elevator.

"IN-CAR" DIRECTION LANTERNS (NEW)

New direction lantern(s) shall be mounted in or near the car entrance jamb(s), visible from the corridor, which when the car stops and the doors are opening, shall indicate the direction in which the car will travel. A chime shall also be furnished on the car that will sound once for the "UP" direction and twice for the "DOWN" direction as the doors are opening.

EMERGENCY CAR LIGHTING (NEW)

An emergency power unit employing a 12-volt sealed rechargeable battery and a totally static circuit shall be provided. The power unit shall illuminate the elevator car and provide current to the alarm bell in the event of normal power failure. The equipment shall comply with the requirements of the latest revision of the ASME/ANSI A17.1 Code.

HALL BUTTONS (NEW)

New hall buttons shall be installed at each landing, an up and a down button at each intermediate landing and a single button at each terminal landing.

When a call is registered by momentary pressure on a landing button, that button shall become illuminated and remain illuminated until the call is answered. Hall button lamps shall be low-voltage, long life lamps.

HOISTWAY OPERATING DEVICES (NEW)

Normal terminal stopping devices shall be provided to slow down and stop the car automatically at the terminal landings and to automatically cut off the power and apply the brake, should the car travel beyond the terminal landings.

CAR GUIDES (RETAINED)

The existing car guides shall be retained. They shall be thoroughly inspected. Any worn parts will be replaced by the original manufacture parts or equal.

CAR FRAME (RETAINED)

The existing car frame shall be retained.

PLATFORM (RETAINED)

The current platform will be retained.

DOOR OPERATOR (NEW)

A new door operator shall be installed.

Doors on the car and at the hoistway entrances shall be power operated by means of the new door operator mounted on top of the car. The door operator is a closed-loop system designed to provide consistent door performance despite changes in temperature or wind and despite the presence of minor debris in the door track. The system continuously monitors door speed and position and adjusts them to match the predefined profile.

Door operation shall be automatic at each landing, with door opening initiated as the car arrives at the landing. Closing will take place after an adjustable time interval expires. An electric car door contact shall prevent the elevator from operating unless the car door is in the closed position.

Door close shall be arranged to start after a minimal time, consistent with ADA requirements. Doors shall be arranged to remain open for an adjustable time period sufficient to meet ADA requirements.

Elevator cars' door-open time intervals, when the car is at a landing, shall be adjustable independently for the cars' responses to car and hall calls.

INTERLOCKS (RETAINED)

The present interlocks will be retained. A thorough examination will be made of the interlocks. All replacement components will be the original manufacture replacement parts or equal.

OPTIGUARD ENTRANCE-PROTECTION DEVICE (NEW)

A solid-state, infrared passenger protection device shall be installed on the car door. This system uses 154 infrared emitters and detectors to create an invisible "net" across the elevator entrance.

The OPTIGUARD system continuously scans for interrupted beams. If any beam in the curtain is interrupted; the OPTIGUARD system will reopen the elevator door instantly.

OPTIGUARD helps reduce potential injury to passengers as they enter and exit the elevator.

The OPTIGUARD systems infrared beams will also detect approaching objects which reduces potential for damage to elevator doors caused by mail carts, stretchers or other moving equipment.

If these beams strike an object in the middle of the entryway, light reflects off the object into special photo-diode receivers mounted on the opposite side of the entrance, which scan into the entryway. If the receivers detect enough light, a reversal signal is generated to open the doors.

If any curtain beam is interrupted, a door-reversal signal will cause the elevator doors to reopen without touching the passenger. After a car stop is made, the door shall remain open for a predetermined interval before closing. If, while the door is closing, the matrix of invisible light beams is interrupted by a passenger entering or leaving the car, the door shall stop and reopen, after which the door shall again start closing.

CAR DOOR HANGER (RETAINED)

The present car door hanger will be retained and inspected for proper alignment. Any adjustment required will be accomplished.

HOISTWAY ENTRANCES (RETAINED)

The present hoistway entrances will be retained.

HOISTWAY DOOR HANGER (RETAINED)

The present hoistway door hanger will be retained and inspected for proper alignment. Any adjustment will be required.

PIT SWITCH (NEW)

An emergency stop switch shall be located in the pit accessible from the pit access door.

SPRING BUFFERS (RETAINED)

The existing spring buffers shall be retained.

WIRING

All new wiring and electrical interconnections shall comply with governing codes. Insulated wiring shall have flame-retardant and moisture-proof outer covering and shall be run in conduit, flexible tubing or electrical wire ways. Traveling cables shall be flexible and suitably suspended to relieve strain on individual conductors.

ENGINEERING DESIGN

All new material furnished will be specifically designed to operate with original elevator equipment being retained, to maximum performance and eliminate any divided responsibility.

SUPERSEDED MATERIAL

All material removed or unused, not required in the modification will become the property of Otis and we reserve the right to remove and retain it.

PERMITS AND INSPECTIONS

The elevator contractor shall furnish all licenses and permits and shall arrange for and make all required inspections and tests.

CODE

The elevator equipment shall be furnished and installed in accordance with the ASME/ANSI A17.1 Safety Code for Elevators and Escalators, An American National Standard, including the latest Supplement, and the Americans with Disabilities Act.

CODE (LOCAL)

The elevator equipment shall comply with all applicable local codes.

WORK BY OTHERS

The following items must be performed by others at no costs to us, and you agree to:

Provide suitable ventilation and cooling equipment, if required, to maintain the machine room ambient temperature between 32oF and 113oF. The relative humidity should not exceed 95 percent non-condensing.

Provide electrical power for light, tools, hoists, etc. during installation as well as electrical current for starting, testing and adjusting the elevator.

Provide a smoke detector system, located as required with wiring from the sensing devices to each elevator controller.

Do any required cutting, including cutouts to accommodate hall signal fixtures, patching and painting of walls, floors or partitions.

Provide a dedicated (non-PBX) touch-tone business telephone line terminated in the machine room.

Provide a fused disconnect switch or circuit breaker for each elevator per the applicable National Electrical Code with feeder or branch wiring to controller. Size to suit elevator contractor.

Provide a 120-volt AC, 20 amp, single-phase power supply with fused SPST disconnect switch for each elevator with feeder wiring to each controller for car lights.

Provide a separate 120-volt AC, 15 amp, single-phase power supply with fused SPST disconnect switch with duplex outlets in the machine room and lobby or other applicable location, for power to each elevator video display panel and controller when display system is provided.

Provide a 120-volt AC, 15 amp, single-phase power supply with fused SPST disconnect switch with duplex outlets in the machine room or other locations as required for information display terminal and controller of information display when provided. Also, provide one (1) pair of shielded/twisted conductors between the terminal and the machine room.

Provide a safe and dry on-site storage area for elevator material.

Any modification or installation of lights and/or electrical outlets in the machine room and/or pit to be performed by others.

LIMITATIONS

Under no circumstances shall Otis be liable for indirect, consequential, or special damages resulting from the installation or use of this product.

We will include all engineering, wiring, print, software, and control changes.

Material provided shall be installed in accordance with the ASME A17.1 Safety Code for Elevators and Escalators.

The customer will be responsible for paying local inspection fees if applicable.

A representative will contact you to schedule the work. All work will be performed during regular working days and hours of the Elevator Trade unless otherwise specified above.

PRICE

\$155,768.48

One hundred fifty-five thousand seven hundred sixty-eight and 48/100 dollars

This price is based on a one hundred percent (100%) downpayment in the amount of \$155,768.48

Payment terms:

- The base proposal price is contingent upon receiving a downpayment of one hundred percent (100%) of the base contract amount.
- The downpayment amount is due in full prior to Otis ordering material and/or mobilizing.
- If you choose the alternative downpayment amount listed below, the corresponding adjustment shall be applied to the base contract amount.

Downpayment Percent	Price Adjustment Percentage	Authorization (Initial)
25%	+ 10%	
75%	+ 5%	

In the event 100% of the contract price is not paid up front, we must be paid the remaining balance no later than the completion of work. Final invoice will be submitted once work is scheduled.

This proposal, including the provisions printed on the pages following, shall be a binding contract between you, or the party identified below for whom you are authorized to contract (collectively referred to herein as "you"), and us when accepted by you through execution of this proposal by you and approved by our authorized representative; or by your authorizing us to perform work for the project and our commencing such work.

SUGGESTED BY: DAVID J WALLACE

TITLE: Mechanic

Accepted in Duplicate

Hastings City Hall

Otis Elevator Company

Date: _____

Date: _____

Signed: _____

Signed: _____

Print Name: _____

Print Name: Adam Drake

Title: _____

Title: Director & GM - Michigan

Email: _____

Email: _____

Company Name: Hastings City Hall

☐ Principal, Owner or Authorized Representative of
Principal or Owner

☐ Agent _____
(Name of Principal or Owner)

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: City Hall Improvements

Project ID #: _____ CIP ID #: CH-2

Department: General Anticipated Start Date: 07/2026

Date Prepared: 12/27/2023

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of carpet in hallway and council chambers. Paint hallways, stairwells, and elevator.

Project Need: Provide a brief explanation of why the project is necessary.

General disrepair.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 30,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

none

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Replace Phone System

Project ID #: _____ CIP ID #: CH-3

Department: _____ Anticipated Start Date: 07/2027

Date Prepared: 03/06/2023

Project Description: Provide a brief physical description of the project. Please be specific.

Replace phones and software for telephonic system for the City.

Project Need: Provide a brief explanation of why the project is necessary.

Our existing phone system is old and limited in its capabilities. Last year, we updated the software to a more modern system and moved to VOIP rather than a direct copper line connection. This improvement allowed our phones to continue to function when Internet Explorer went offline but did not provide service improvement.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 45,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Compost Screening

Project ID #: _____ CIP ID #: DPS-1

Department: DPS Anticipated Start Date: 07/2024

Date Prepared: 01/16/2023

Project Description: Provide a brief physical description of the project. Please be specific.

Screening of composted natural material into black dirt.

Project Need: Provide a brief explanation of why the project is necessary.

We need to screen and partially remove topsoil each year as a condition of our EGLE permit. We are behind in our material screening. Topsoil is approximately \$20-\$30 per yard and is more cost effective to screen the product than it is to purchase.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 20,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

Parks and Recreation

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Fish Hatchery Softball Field

Project ID #: _____ CIP ID #: P-2

Department: DPS - Parks Anticipated Start Date: 07/2028

Date Prepared: 02/22/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Update the outfield fencing and backstop. Raise the right and center fields 8-12 inches so that they no longer hold water.

Project Need: Provide a brief explanation of why the project is necessary.

Fencing is dated and the fields are holding water. The softball field was constructed in the mid-1980s.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Yes, 5 Year Park and Rec Master Plan

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 95,000.00

Potential Funding Sources:

General Fund
Recreation Passport Grant

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):



1227 W. Dickman RD. Battle Creek, MI 49037
PHONE: (269) 965-3991 FAX: (269)965-8627

February 3, 2023

City of Hastings
201 E. State St.
Hastings, MI 49058

Attn: Rob Neil
rneil@hastingsmi.org
269.838.8395

Re: Fish Hatchery Park Ballfield

Please consider this a formal quote to provide the materials, labor, and supervision necessary to complete the fence and backstop replacement at Fish Hatchery Park. Please find the items included in this quote, below:

Item	Description	Cost
Chain Link Fences and Gates	- To remove and replace approx. 980 LF of 6' tall, aluminized chain link fence with (2) 12' wide double swing gates. New fence includes new yellow safety top cap. Terminal posts to be 2-1/2" SS40 pipe. Line posts to be 2" SS40 Pipe. Top rail to be 1-5/8" SS20 pipe. Fence fabric to be 9GA. Bottom tension wire to be 7GA steel wire. - To remove (1) backstop. - To install (1) 20'x30'x20' backstop with a finished height of 20' above grade. Backstop to be 20' vertical, with no overhang.	\$85,020.00

- To install an additional 10' tall #36 net to the top of the backstop for a finished height of 30', Add: \$4,895.00
- Turf restoration by others

Thank you for considering D-K Fence Company for your project. If you have any questions regarding this or future projects, please do not hesitate to contact me.

Regards,

Brent Hartwell
Estimator



FENCING THE "Wright" WAY



City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Fish Hatchery Park Walking Path Reconstruction

Project ID #: _____ CIP ID #: P-3

Department: DPS - Parks Anticipated Start Date: 07/2026

Date Prepared: 02/03/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Repave the existing walking path throughout the park.

Project Need: Provide a brief explanation of why the project is necessary.

The walking path is significantly deteriorated in many areas. An upgraded path would improve safety and park accessibility.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Yes, 5 Year Park and Recreation Master Plan

Does the project share space or overlap with other CIP projects? Please describe.

Yes, potential future exercise path

Project Cost: \$ 45,000.00

Potential Funding Sources:

General Fund
Potential Grant Funds

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: TangleTown Reconstruction

Project ID #: _____ CIP ID #: P-4

Department: DPS - Parks Anticipated Start Date: 10/2025

Date Prepared: 02/14/2025

Project Description: Provide a brief physical description of the project. Please be specific.

TangleTown is located within Bob King Park. This project includes the demolition and reconstruction of the play structure.

Project Need: Provide a brief explanation of why the project is necessary.

Tangle Town is well loved, but is of wood construction and was built in 1997. Most similar structure last approximately 20-25 years. The structure has become more difficult to maintain and is the subject of increasing complaints.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Yes, 5 Year Park & Rec Master Plan

Does the project share space or overlap with other CIP projects? Please describe.

Yes, other improvements to Bob King Park.

Project Cost: \$ 750,000.00

Potential Funding Sources:

Public Spaces Community Places
General Fund (\$250,000)
Community Donations

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Tyden Park Pavillion Restoration

Project ID #: _____ CIP ID #: P-5

Department: DPS - Parks Anticipated Start Date: 07/2026

Date Prepared: 02/13/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Painting and restroom improvements, stain cedar beams

Project Need: Provide a brief explanation of why the project is necessary.

Minor improvements need to be made to the facility including painting, restroom improvements, and some exterior work.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Yes, 5 Year Master Park & Rec Plan

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 20,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Tyden Park Riverwalk Trail

Project ID #: _____ CIP ID #: P-6

Department: DPS - Parks Anticipated Start Date: 07/2027

Date Prepared: 02/13/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Mill and repave trail around Tyden Park.

Project Need: Provide a brief explanation of why the project is necessary.

The trail has many cracks and raised areas due to tree roots. Paving this trail would improve safety and user access.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Yes, 5 Year Park and Rec Master Plan

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 65,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Tyden Park Parking Lot and Access Drive

Project ID #: _____ CIP ID #: P-7

Department: DPS - Parks Anticipated Start Date: 07/2026

Date Prepared: 02/13/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Driveway and parking lot at Tyden Park needs to be milled and resurfaced. Parking area may also be somewhat expanded to eliminate vehicles from parking on the lawn.

Project Need: Provide a brief explanation of why the project is necessary.

The drive and parking lot have large cracks and holes. The existing pavement is only 1.5 - 2 inches thick.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Yes, 5 Year Park and Rec Master Plan

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 125,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Riverwalk Trail Sign Improvements

Project ID #: _____ CIP ID #: P-8

Department: _____ Anticipated Start Date: 07/2028

Date Prepared: 02/21/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replace dilapidated signs and banners along Riverwalk Trail and make them more cohesive with other trails in the county.

Project Need: Provide a brief explanation of why the project is necessary.

Existing signs are deteriorated and could be more thoughtfully located to help users.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Barry County Trails Master Plan

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 20,000.00

Potential Funding Sources:

General Fund
Local Grants

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Non-Motorized Trail Along Undeveloped McNair Street Right of Way

Project ID #: _____ CIP ID #: P-9

Department: Public Services Anticipated Start Date: 07/2030

Date Prepared: 02/17/2023

Project Description: Provide a brief physical description of the project. Please be specific.

Place an approximately 1,300 feet, 8 foot wide paved trail along an existing street ROW which has no street. The path would be adjacent to an existing farm field that will not be developed. The path would start at Green Street (Across from Pennock Hospital) and go south to Clinton Street. There would also be connector trails off of Walnut Street, and Madison Street. A four foot tall chain link fence would also be needed along the property lines on along the ROW lines. 

Project Need: Provide a brief explanation of why the project is necessary.

This trail will help connect Fish Hatchery Park with Sweezy Pond with non-motorized traffic. This will also connect Cook Additions to Fish Hatchery Park, M-37/43, and Downtown. Would help expose trail users to wide open space inside the city limits and not by a busy road.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Yes, 5-Year Park and Recreation Plan

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 100,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: River Access Points Improvements

Project ID #: _____ CIP ID #: P11

Department: Parks Anticipated Start Date: 07/2029

Date Prepared: 02/22/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Improve water access at Bliss Park and Tyden Park to make it easier for users to enter/exit the river for recreation purposes.

Project Need: Provide a brief explanation of why the project is necessary.

Many visitors use the water access points

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 25,000.00

Potential Funding Sources:

General Fund
Potential grants

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

none

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: "Green" toilets at Hammond Hills

Project ID #: _____ CIP ID #: P-12

Department: DPS - Parks Anticipated Start Date: 07/2026

Date Prepared: 01/17/2023

Project Description: Provide a brief physical description of the project. Please be specific.

Addition of "green" toilets or pit toilets at Hammond Hills Park.

Project Need: Provide a brief explanation of why the project is necessary.

Currently only a porta-john is used at Hammond Hills. This park is not located in an area where other public restrooms are accessible.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 95,000.00

Potential Funding Sources:

General Fund
MDNR Rec Passport Grant

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Hammond Hill Parking Lot Expansion

Project ID #: _____ CIP ID #: P-14

Department: Parks Anticipated Start Date: 07/2027

Date Prepared: 02/21/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Expansion of parking lot at Hammond Hill to accommodate numerous events and tournaments.

Project Need: Provide a brief explanation of why the project is necessary.

The existing lot is inadequate for the disc golf tournaments. Lot will need to be expanded to bid for larger tournaments and championships. The lot is also used by hikers and mountain bikers.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Master Park and Recreation Plan

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 100,000.00

Potential Funding Sources:

General Fund
Donations

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Pickleball/Resurface courts at Bob King Park

Project ID #: _____ CIP ID #: _____

Department: Parks Anticipated Start Date: 07/2025

Date Prepared: 02/22/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Repainting and repairing the existing tennis courts for use as pickle-ball courts.

Project Need: Provide a brief explanation of why the project is necessary.

Existing court needs some maintenance. There is a high demand for pickleball in the community.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Yes,

Does the project share space or overlap with other CIP projects? Please describe.

yes - other projects are in Bob King park. This project could be done together or independently.

Project Cost: \$ 65,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

Library

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Battery Backup Replacement

Project ID #: _____ CIP ID #: L-1

Department: Library Anticipated Start Date: 07/2025

Date Prepared: 02/10/2025

Project Description: Provide a brief physical description of the project. Please be specific.

The Library's battery backup has had issues over the last few years. At this time all batteries are at end of life, the main system board has failed, the front panel display does not work, and the entire unit is out of warranty. An inspection by EES, an electrical contractor, has determined that the best solution is a new system. Testing the current for its performance level was determined to have risks not knowing if it can function in the event of a power loss. The current proposed system is an

Project Need: Provide a brief explanation of why the project is necessary.

The battery backup is critical in the event of a full power loss for emergency lighting and critical internal systems.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 49,520.00

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

Potential Funding Sources:

The majority of the funds would be taken from the Library's fund balance. We will look for grants, but external donations are not necessarily viable.

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Complete Roof Replacement

Project ID #: _____ CIP ID #: L-2

Department: Library Anticipated Start Date: 07/2027

Date Prepared: 02/03/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Retrofit the entire roofing system with a restoration process using EPDM rubber. This process applies a multi-layer synthetic rubber over the existing roof via a liquid process that is then heated to seal and harden. The system can then be cleaned and touched up as needed, vs. another full replacement at the next ~20 year mark. Replacing the entire roof might be cheaper in the short-term, but will likely lead to higher costs over time. +

Project Need: Provide a brief explanation of why the project is necessary.

The roofs were inspected in 2023 and repairs were made that are estimated to last approximately 4 years. Small repairs were made to the main roof. The consultant from Tremco will complete free annual inspections going forward as we determine the timing for the new roof. The original roofing company has also contacted us to do inspections, so multiple perspectives will be compared as we evaluate options. +

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 245,000.00

Potential Funding Sources:

The majority of the funds would be taken from the Library's fund balance. We would seek grants and possibly donations.

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

Utilities

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Water Plant SCDA Upgrade

Project ID #: _____ CIP ID #: W-1

Department: Water Plant Anticipated Start Date: 07/2025

Date Prepared: 02/13/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Improve the flow logic controls of the high service pumps. we currently are running on old logic prior to VFD installation.
To Install a stand alone HMI computer system and runtime at the facility.

Project Need: Provide a brief explanation of why the project is necessary.

New logic would allow for flow control and pressure control at the plant based on demand. during high consumption we could increase capacity allowing 4 pumps to run simultaneously. currently we are only able to run 2 pumps without manually adjusting the VFD frequencies.
Standalone HMI computer will allow us to go Internet free and have full access to all SCADA functionality. In times of an Internet outage we have zero connectivity with the cloud. In the event

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 13,273.24

Potential Funding Sources:

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

Quotation from Integrated Controls.

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Water System Reliability Study

Project ID #: _____ CIP ID #: WS-2

Department: Water Anticipated Start Date: 07/2028

Date Prepared: 01/18/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Update to Water Reliability Study as required.

Project Need: Provide a brief explanation of why the project is necessary.

Required by EGLE every 5 years.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 25,000.00

Potential Funding Sources:

Water/Sewer Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Elevated Storage Tank Inspections

Project ID #: _____ CIP ID #: W-3

Department: Water Anticipated Start Date: 07/2026

Date Prepared: 01/18/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Routine inspection of elevated storage tanks.

Project Need: Provide a brief explanation of why the project is necessary.

Inspections are required by EGLE every five years.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

Yes, other regular equipment service and maintenance timelines.

Project Cost: \$ 40,000.00

Potential Funding Sources:

Water/Sewer Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Water Plant High Service Pumps - Routine Maintenance

Project ID #: _____ CIP ID #: W-4

Department: Water Anticipated Start Date: 07/2026

Date Prepared: 02/18/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Routine pull and inspect - different pump every other year. This will cover the cost to pull and inspect the pump. The well company will then provide a quote on any necessary repairs that are needed.

Project Need: Provide a brief explanation of why the project is necessary.

We have scheduled routine maintenance on each of our pumps based on historical data. This is the most cost effective way maintain the well and the pump.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Reliability study and asset management plan

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 35,000.00

Potential Funding Sources:

Water/Sewer Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Routine inspection - Well #1 Pump

Project ID #: _____ CIP ID #: W-5

Department: Water Anticipated Start Date: 07/2025

Date Prepared: 01/30/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Well 1 pump - routine pull and inspect. This will cover the cost to pull and inspect the well. The well company will then provide a quote on any necessary repairs that are needed (if any).

Project Need: Provide a brief explanation of why the project is necessary.

We have scheduled routine maintenance on each of our pumps based on historical data. This is the most cost effective way maintain the well and the pump.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Reliability study and asset management plan

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 35,000.00

Potential Funding Sources:

Water/Sewer Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Water Asset Management Plan (WAMP)

Project ID #: _____ CIP ID #: W-6

Department: DPS Anticipated Start Date: 09/2025

Date Prepared: 02/16/2024

Project Description: Provide a brief physical description of the project. Please be specific.

The WAMP is a plan that identifies the desired level of service at the lowest life cycle cost for rehabilitation, repairing, or replacing the assets associated with the waterworks system.

Project Need: Provide a brief explanation of why the project is necessary.

Required by the Water Asset Management Council, established by legislation in 2018. An asset management plan survey is required every three years.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

Water reliability study.

Project Cost: \$ 15,000.00

Potential Funding Sources:

Water and Sewer Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Water Plant Generator Enclosure

Project ID #: _____ CIP ID #: W-7

Department: Public Services Anticipated Start Date: 07/2025

Date Prepared: 03/04/2024

Project Description: Provide a brief physical description of the project. Please be specific.

To place wall or barrier partially or fully around the water treatment plant's generator. The wall will have to be 12' high either mason block, poured concrete, precast concrete, or plastic sound panels. Poured concrete foundation with steel reinforcement will also be required.

Project Need: Provide a brief explanation of why the project is necessary.

The generator causes sound and exhaust complaints from a neighboring property owner. This project will allow us to be a better neighbor while using the generator.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 50,000.00

Potential Funding Sources:

Water and Sewer Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Water Plant Pressure Filter Tank Painting

Project ID #: _____ CIP ID #: W-8

Department: Water Anticipated Start Date: 07/2025

Date Prepared: 02/01/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Clean and paint the exterior surface of both pressure filters at the water plant.

Project Need: Provide a brief explanation of why the project is necessary.

Both pressure tanks are showing rust and paint flaking. Refinishing the tanks will prolong the life of the tanks. This will also maintain a clean, sanitary look for the water plant.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

no

Does the project share space or overlap with other CIP projects? Please describe.

no

Project Cost: \$ 30,000.00

Potential Funding Sources:

Water/Sewer Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Iron Filter Media Replacement and Inspection

Project ID #: _____ CIP ID #: W-9

Department: Water Anticipated Start Date: 07/2029

Date Prepared: 01/18/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Removal of sand and gravel from inside the filters. Inspect inside of filter and repair any deficiencies. Install new media and return to service.

Project Need: Provide a brief explanation of why the project is necessary.

The filters and the media is 30 years old and the filters have never been inspected internally. The media is tested every 5 years and remains in good condition.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 300,000.00

Potential Funding Sources:

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: New 200,000 Gallon Elevated Water Storage Tank - North Pressure District

Project ID #: _____ CIP ID #: WS-11

Department: DPS Anticipated Start Date: 07/2029

Date Prepared: 03/02/2023

Project Description: Provide a brief physical description of the project. Please be specific.

Construction of new elevated storage tank in the north pressure district. The City would need to secure a 1 acre parcel of land, engineering, design, and construction of an approximately 200,000 gallon spheroidal elevated storage tank.

Project Need: Provide a brief explanation of why the project is necessary.

Our booster station is unable to meet all parameters set by the ten state standards. Although this is not a permit requirement at this time, it may be in the future. Potential development in this area could be delayed if the tank is not included in near future plans.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

In progress.

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 3,000,000.00

Potential Funding Sources:

Water & Sewer Fund
Federal & State Loans

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Replacement of Final Clarifier 2 Rotating Mechanism

Project ID #: _____ CIP ID #: SS-1

Department: WWTF Anticipated Start Date: 07/2024

Date Prepared: 02/21/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Removal of the entire final clarifier 2 mechanical drive, support structure and appurtenances.
Replace with new units.

Project Need: Provide a brief explanation of why the project is necessary.

This item is over fifty years old, has recently had a structural failure along with severe deterioration over the years of the bridge decking and the submerged portion of the mechanical structure. The manufacturer of the unit is unknown and due to it's age as well, availability of major replacement components is seriously in doubt. This unit also lacks the features of present day units to protect it from certain types of mechanical malfunctions and subsequent damage. 

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 350,000.00

Potential Funding Sources:

Water/Sewer Fund

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Replacement of Final Clarifier 1 Rotating Mechanism

Project ID #: _____ CIP ID #: SS-2

Department: WWTF Anticipated Start Date: 07/2027

Date Prepared: 02/22/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Removal of the entire final clarifier 1 mechanical drive, support structure and appurtenances.
Replace with new units.

Project Need: Provide a brief explanation of why the project is necessary.

This item is of the same vintage, design and construction as final clarifier 2 which had a structural failure. The manufacturer is unknown and shows substantial deterioration of the bridge decking in the same manner as final clarifier 2. There is a high potential for critical failure due to age and lacks the features of present day units to protect it from certain types of mechanical malfunctions and subsequent damage as well.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 400,000.00

Potential Funding Sources:

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: WWTF Scum Collector/Separator

Project ID #: _____ CIP ID #: SS-3

Department: WWTF Anticipated Start Date: 07/2029

Date Prepared: 02/14/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Installation of a scum collector/separator to remove scum from the facility treatment process.

Project Need: Provide a brief explanation of why the project is necessary.

Currently the scum skimmed from the primary and final clarifier's is collected in scum wells/pits and pumped to the gravity thickener where it is then skimmed into a shared scum well/pit at the final clarifier's and pumped to the gravity thickener. This circuitous (merry-go-round) process is continuous with the hope the scum eventually breaks down, which is an extremely slow and incomplete process. It needs to be completely removed from the treatment process stream. +

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 250,000.00

Potential Funding Sources:

Water/Sewer Fund

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

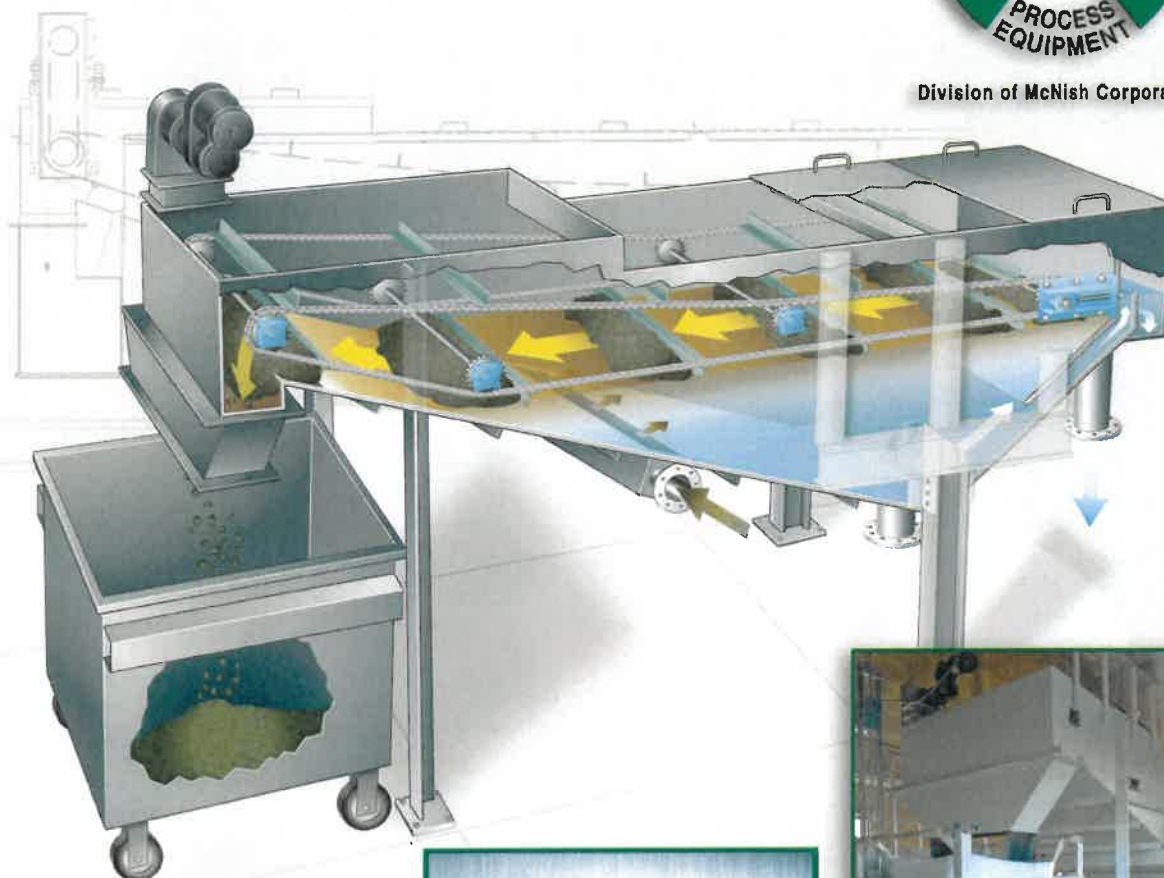
List of Attachments (quotes, photos, etc.):

Walker process unit for illustration purpose only.

Scum Separator



Division of McNish Corporation



**AVAILABLE IN ALL
STAINLESS-STEEL
CONSTRUCTION**



Dewater Clarifier Skimmings with a Walker Process Scum Separator

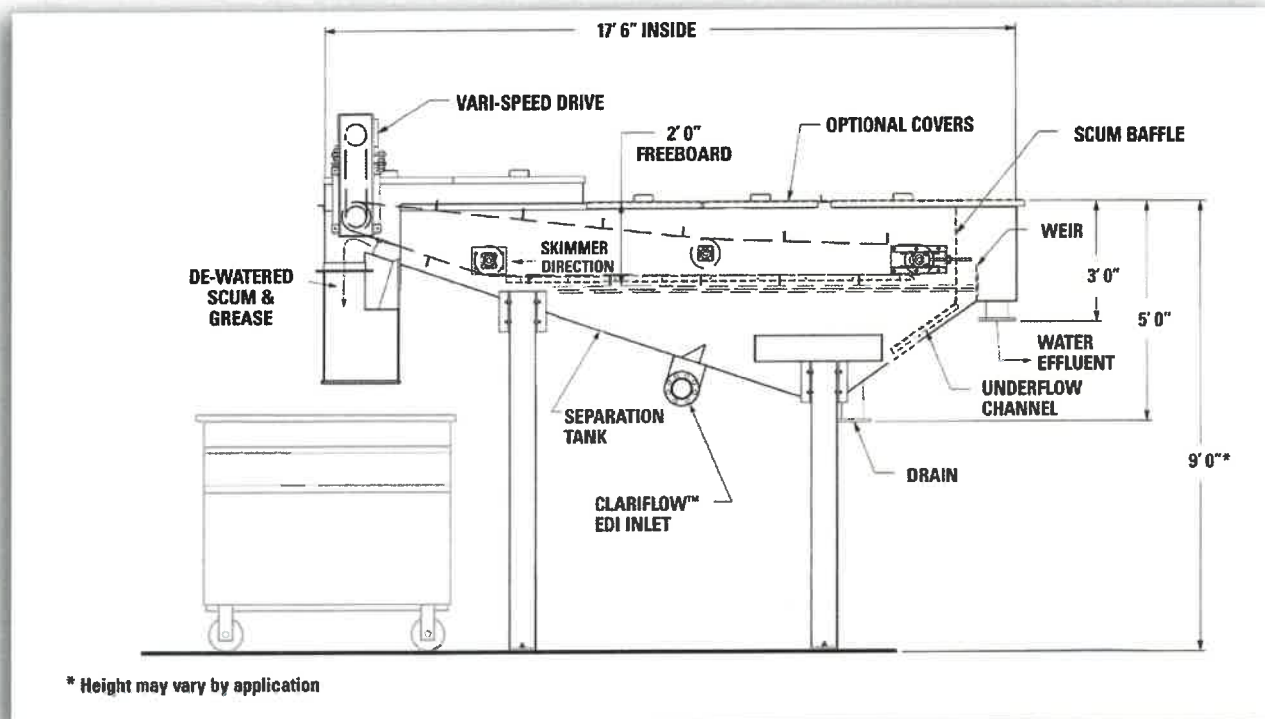
Clarifier skimmings need to be removed from wastewater processing and often are disposed of as solid waste. That disposal cost can be minimized by de-watering the solids to allow easier collection, handling and clean disposal.

The **Walker Process Scum Separator** provides an economical means to de-water clarifier skimmings to the maximum practical degree with the flexibility to collect the solids in standard portable bins, flexible bulk bags or other containers of your choice.

The Separation Tank is designed to provide optimal residence time for separation of the floatable material from the carrying water but not allow sufficient time for settleable solids to accumulate.

Scum Separator:

- Effectively separates clarifier skimmings into floatable material and carrying water.
- Eliminates re-introduction of skimmings to downstream treatment steps.
- Enhance Anaerobic Digester operation by eliminating flow to the Digester:
 - Skimmings from clarifiers
 - Fats, oils, grease and other floatable material.



Design for Effective Performance

Walker Process Equipment Scum Separators are designed to dewater skimmings from clarifiers.

The system consists of a flotation (separation) tank with an enhanced Energy Dissipating Inlet, non-corrosive chain and flight skimming system with variable speed operation, optional tank cover for odor control, appropriate detention time to allow floatables to surface but short enough to discourage settling of any settleable material.

Enhanced Energy Dissipating Inlet that prevents splashing and re-mixing of floating material

Small Footprint and volume allows easier indoor installation.

Variable speed skimmer to provide process control.

Flow Capacity from 100 to 300 gpm per tank.

Separation Tank

Specifically designed for separation of floatable material from carrying water
4'-0", 5'-0" or 6'-0" wide by 17'-6" long by 5'-0" deep.
Fabricated with 1/4" thick carbon steel or stainless steel plate.

Skimming Mechanism

Flights - Type 304 stainless steel
Shafting - 1 7/16" cold rolled steel
Bearings - Ball bearings, flanged, self-aligning, sealed and grease-lubricated.
Chain - Polymeric (Plastic)
Sprockets - Polymeric (Plastic)
Drive - 1/3 HP
Speed - Variable 2 - 9 fpm

Corrosion Protection

Units constructed with carbon steel are completely shop finish painted.

Cover

Optional removable panels

- Aluminum
- Stainless steel
- Fiberglass

Shop Assembly

All Scum Separators are fabricated and completely shop assembled and tested in the Walker Process Equipment plant in Aurora, IL

Walker Process has continuously provided and improved Scum Separators and Grease Concentration Systems since 1966.

For high FOG skimmings see the Walker Process Scum and Grease Concentration System.

Walker Process Equipment

Division of McNish Corporation

840 N. Russell Ave. • Aurora, IL 60506 • 1-800-992-5537

www.walker-process.com

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Additional LDO Probe for the Mixed Liquor Aeration Basins

Project ID #: _____ CIP ID #: SS-4

Department: WWTF Anticipated Start Date: 07/2026

Date Prepared: 02/12/2025

Project Description: Provide a brief physical description of the project. Please be specific.

There are currently two luminescent dissolved oxygen (LDO) probes for the six aeration basins that work in conjunction with the SCADA. Four of the aeration basins are currently in use and very soon to be reduced to three. Installation of one additional probe will provide improved process control.

Project Need: Provide a brief explanation of why the project is necessary.

It is very cumbersome to determine the overall secondary treatment viability and control by relying on only two of the mixed liquor aeration basins. If one probe is out of service for any length time, there is only one left to continuously monitor the dissolved oxygen levels which is critical to the treatment process.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

Negative.

Project Cost: \$ 20,500.00

Potential Funding Sources:

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

Estimate from Grand River Controls Engineering. They were the only respondents out of three vendors requested to quote this matter.

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: WWTP SCADA upgrade

Project ID #: _____ CIP ID #: SS-5

Department: WWTP Anticipated Start Date: 07/2025

Date Prepared: 02/13/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Wastewater standalone runtime and HMI interface upgrade.
Plant logic upgrade to import the headworks screen and UV system.

Project Need: Provide a brief explanation of why the project is necessary.

Standalone HMI computer will allow us to go Internet free and have full access to all SCADA functionality. In times of an Internet outage we have zero connectivity with the cloud. In the event of a cyberattack or catastrophic failure of Internet or power outage we would maintain full system control and data acquisition.
Plant logic upgrade will allow us to monitor and control the Head-works and UV systems and allow

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No

Does the project share space or overlap with other CIP projects? Please describe.

NO

Project Cost: \$ 28,599.09

Potential Funding Sources:

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

See included quote from Integrated Controls Inc.

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Maintenance utility Cart

Project ID #: _____ CIP ID #: SS-6

Department: WWTP Anticipated Start Date: 03/2001

Date Prepared: 02/03/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Purchase a Utility Cart for the Wastewater plant. In this CIP I have included 3 different Quotes of Utility Cart, two from Ladd,s and one from Power Plus Carts. The I20U is the best options for the type of task we are looking to perform. This cart is a 2024 model in stock, if we are unable get this approved before it is gone a 2025 model will be a 1500-to-2000-dollar increase.

Project Need: Provide a brief explanation of why the project is necessary.

At Wastewater our buildings and equipment are spread out over a large footprint, and in areas where we can' t get into with a truck or the skid steer. We have a need to move back flow/water meter, large hoses, trash pumps, heavy valves, and endless trips back and forth to workshop to get tools and supplies. This Utility Cart will reduce heavy lifting and increase our overall efficiency.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No but will help with implementation of approved CIP like the Alum supply line and in door heater project.

Does the project share space or overlap with other CIP projects? Please describe.

no

Project Cost: _____

Potential Funding Sources:

Please check one of the following for cost basis:

Equipmend Fund

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

3 Quotes attached



Power Plus Carts & Accessories

I20U

Estimate #000013

Estimate date

January 29, 2025

Estimate expiration date

February 28, 2025

Customer

City of Hastings Waste Water Department

Robert Blocher

rblocher@hastingsmi.gov

616-821-1774

Message

We look forward to working with you.

I20U

\$11,000.00

I20U- White Icon Electric golf cart with electric utility dump box

Attaching pictures and information on cart with email.

Subtotal

\$11,000.00

Tax

\$0.00

Total

\$11,000.00

Power Plus Carts & Accessories

5330 W Saginaw Hwy, Lansing, MI 48917

517-763-1728

powerplusmgt@gmail.com



City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Cold Storage Barn Upgrade

Project ID #: _____ CIP ID #: SS-7

Department: Waste Water Plant Anticipated Start Date: 07/2027

Date Prepared: 02/04/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Update the cold storage barn at the waste water treatment plant to include insulation of the structure and electric fans with heaters to maintain a temperature of 50-55 degrees in the winter months. Using existing metal barn sheeting to close in the ceiling and pump in loose fill insulation to approximate R-30 Value. Contracted spraying of closed cell spray foam insulation of R-14 value. Installation of 2-3 low speed circulation fans , and 2 x 30,000 BTU electric heaters. Replace

Project Need: Provide a brief explanation of why the project is necessary.

Due to the nature of the atmosphere at the WWTP electrical components and metals corrode at an accelerated rate and damage computer boards and other electrical equipment being stored inside the garage and truck bays in the main building. These upgrades will facilitate us being able to keep the two newer work trucks inside the building along with the skid steer. This will ensure longer life and better usage of the vehicles, including the skid steer which can remain heated for

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 12,000.00

Potential Funding Sources:

Sewer Funds

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Air Makeup Media Replacement - Press Room

Project ID #: _____ CIP ID #: WS-12

Department: Wastewater Anticipated Start Date: 07/2025

Date Prepared: 02/16/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Charcoal media replacement for the air scrubber in the press room.

Project Need: Provide a brief explanation of why the project is necessary.

The charcoal in this unit is old and broken down. The unit was unused for many years and is now repaired and functional. We believe we will get 2 years out of this media. We received a verbal price from the manufacturer on the cost of the charcoal media. We will do the removal and installation ourselves.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 15,000.00

Potential Funding Sources:

Water/Sewer Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: North Primary Clarifier Mechanism

Project ID #: _____ CIP ID #: SS-13

Department: Wastewater Anticipated Start Date: 07/2028

Date Prepared: 02/16/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Replace the outdated mechanism on the north primary tank. The skimmer scrapper and stilling well.

Project Need: Provide a brief explanation of why the project is necessary.

This would update our North Primary tank with a new mechanism that would tie into our SCADA and create more efficiency in settling.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 400,000.00

Potential Funding Sources:

Water/Sewer Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark “guesstimate”

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Addition of a Positive Displacement Aeration Blower

Project ID #: _____

CIP ID #: SS-17

Department: WWTF

Anticipated Start Date: 07/2027

Date Prepared: 02/12/2025

Project Description: Provide a brief physical description of the project. Please be specific.

This would be a third aeration blower of positive displacement style to supplement the two existing turbine style blowers and replace the existing Hoffman (1970's vintage) centrifugal style blower.

Project Need: Provide a brief explanation of why the project is necessary.

The facility has been operating at 35% of it's design capacity which makes it very difficult to utilize all six aeration basins from a process control standpoint. Four basins are now in use and will very soon be reduced to three if the condition persists. The two turbine style blowers were sized for the 2 MGD capacity and have a minimum speed of 80%, which is still too much air currently.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 200,000.00

Potential Funding Sources:

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☒ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Railroad Lift Station Improvement

Project ID #: _____ CIP ID #: SS-18

Department: Public Services Anticipated Start Date: 07/2029

Date Prepared: 02/16/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Lift station replacement and improvement including pump replacement, control equipment, refurbishing equipment.

Project Need: Provide a brief explanation of why the project is necessary.

Lift station was built in the 1960's. Over 20 years past replacement life.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Yes.

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 524,000.00

Potential Funding Sources:

CWSRF
Water and Sewer Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: North and Broadway Water and Sanitary Sewer Improvements

Project ID #: _____ CIP ID #: WS-33

Department: DPS Anticipated Start Date: 07/2026

Date Prepared: 03/06/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Approximately 782 feet of North St (From Broadway to Jefferson St.) of road reconstruction which involves storm sewer, sanitary sewer, and water main replacement, HMA resurfacing, Sidewalk, Driveway and ADA improvements. On Braodway, approximately 2,696 feet (from Woodlawn Ave to North City Limits) of road reconstruction which involves sanitary sewer, and lead service line replacement, HMA resurfacing, Driveway and ADA sidewalk improvements. +

Project Need: Provide a brief explanation of why the project is necessary.

Infrastructure deterioration identified in city plans

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Previous CIP and state funding applications

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 6,666,805.00

Potential Funding Sources:

Water/Sewer Fund
USDA Loan

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Green and Market Street Improvements

Project ID #: _____ CIP ID #: WS-19

Department: DPS Anticipated Start Date: 04/2025

Date Prepared: 03/06/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Reconstruction of Green and Market Streets, replacement and increased capacity of sanitary sewer main, approximately 90 lead service line replacements.

Project Need: Provide a brief explanation of why the project is necessary.

Sewer main has numerous defects and high consequence of failure; capacity is deficient. Adjacent properties have lead service lines that require replacement under EGLE rules. Road surface is deteriorated.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Yes, previous CIP plans. Design engineering already authorized by City Council.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 7,302,060.00

Potential Funding Sources:

Water and Sewer Fund
Loan

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Sanitary Sewer Televising Program

Project ID #: _____ CIP ID #: WS-20

Department: Sewer Anticipated Start Date: 07/2027

Date Prepared: 02/16/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Televising additional sanitary sewer lines throughout the collection system.

Project Need: Provide a brief explanation of why the project is necessary.

46% sanitary sewer has been televised to date, SAW BRE methodology did not prioritize many failing ROF 4/5 pipe issues, recommend additional review of CCTV results and additional televising on 5 yr or 10 year cycle is recommended by our engineers.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Prior CIP

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 300,000.00

Potential Funding Sources:

Water & Sewer Fund
Cost to be spread out over a six year period.

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Marshall Street Water Main Replacement (including LSLRs and road improvements)

Project ID #: _____ CIP ID #: W-21 and LS-3

Department: DPS Anticipated Start Date: 07/2028

Date Prepared: 02/16/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Replace 2,500 ft water main and approximately 40 lead service lines. Full street to be reconstructed with 4inch HMA, minimal storm repairs.

Project Need: Provide a brief explanation of why the project is necessary.

History of water main breaks, aging service, lead service lines. Significant road deterioration.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Previous CIP

Does the project share space or overlap with other CIP projects? Please describe.

Yes, as described above

Project Cost: \$ 2,881,943.00

Potential Funding Sources:

Water & Sewer Fund
DWSRF or USDA Loan
Local Streets Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Clinton St. (east)/Dibble Water Main Replacement/Transmission Improvements (Hanover/M37 to State St)

Project ID #: _____ CIP ID #: W-22

Department: DPS Anticipated Start Date: 07/2026

Date Prepared: 02/16/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Transmission loop per WRS/City, Replace ex. 8" cast 1940's (breaks) with 12" on Clinton, New 12" extension on Dibble (1,200 ft total), reliability, fire flow, approximately 15 lead service lines need replacing. Sanitary sewer - ROF 5 spot repairs or pipe replacement 1940's VC

Project Need: Provide a brief explanation of why the project is necessary.

Improve service and replace aging infrastructure

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Previous CIP

Does the project share space or overlap with other CIP projects? Please describe.

As described above

Project Cost: \$ 4,790,991.00

Potential Funding Sources:

Water/Sewer Fund
DWSRF Loan
USDA Loan

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Clinton St (west) Water Main & LSLR(Michigan to West End) and S Benton Sanitary & Storm Replacement (Clinton to Walnut)

Project ID #: _____ CIP ID #: W-23 and MS-13

Department: DPS Anticipated Start Date: 07/2027

Date Prepared: 02/16/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Replace 4,000 ft main 8"/12" (breaks), and approximately 65 lead service line replacements. Full street reconstruct with 4" HMA/C&G, minimal storm, no sanitary.

Project Need: Provide a brief explanation of why the project is necessary.

Aging infrastructure, numerous water main breaks, deteriorated pavement condition. Lead service lines to be replaced.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Yes, prior CIP

Does the project share space or overlap with other CIP projects? Please describe.

Yes, with projects WS-22 and MS-9

Project Cost: \$ 4,431,000.00

Potential Funding Sources:

Water/Sewer Funds
DW/CWSRF
USDA Loan

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: South Hanover Street(M-37) Lead Service Replacement

Project ID #: _____ CIP ID #: W-24 and MS-15

Department: Public Services Anticipated Start Date: 07/2026

Date Prepared: 02/16/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Replace lead service lines along South Hanover Street from Barfield Drive to Clinton Street.
Includes road improvements.

Project Need: Provide a brief explanation of why the project is necessary.

Required by State of Michigan (EGLE).

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Yes.

Does the project share space or overlap with other CIP projects? Please describe.

Green and Market Street, Clinton & Marshall Street, E. Clinton Street, S. Hanover St., Apple Street, and N. Broadway Avenue.

Project Cost: \$ 923,380.00

Potential Funding Sources:

DWSRF
Water and Sewer Fund
Future Grants for Lead Line Replacements

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

M&B 2024 DWSRF Estimate.

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Apple Street Sanitary Truck Sewer Replacement

Project ID #: _____ CIP ID #: SS-24

Department: Sewer Anticipated Start Date: 07/2026

Date Prepared: 02/16/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Replace 1950 feet of 15 inch sewer and upsize 850 feet of sewer to 24 inches.

Project Need: Provide a brief explanation of why the project is necessary.

Will improve capacity. Line has multiple fractures and I/I concerns.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Included in Previous CIPs. Applied in 2022 for MEDC funding.

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 4,609,744.00

Potential Funding Sources:

Water/Sewer Funds
Loan

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Lead Line Replacement Program

Project ID #: _____ CIP ID #: W-25

Department: Public Services Anticipated Start Date: 07/2024

Date Prepared: 02/16/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of approximately 90 lead services a year starting north of the Thornapple River, west of Michigan Avenue, and South of State Road. The cost includes plumbing contractor and materials.

Project Need: Provide a brief explanation of why the project is necessary.

Required by State of Michigan (EGLE).

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Yes.

Does the project share space or overlap with other CIP projects? Please describe.

Green and Market Street, Clinton & Marshall Street, E. Clinton Street, S. Hanover St., Apple Street, and N. Broadway Avenue (lead services already included in cost of these projects).

Project Cost: \$ 15,068,000.00

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

Potential Funding Sources:

DWSRF
Water and Sewer Fund
Future Grants for Lead Line Replacements

List of Attachments (quotes, photos, etc.):

Plumbing Contractor = \$2,500 per service
Total(90 each) per year = \$225,000
Material Costs per year = \$125,000.00

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Mill Street Sanitary Replacement (Michigan to Jefferson)

Project ID #: _____ CIP ID #: SS-26

Department: Sewer Anticipated Start Date: 07/2026

Date Prepared: 02/16/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Probable replacement of 150 ft of sewer main. Large sag was found in the line and a camera couldn't get through. Flow was not blocked in 2018. Additional investigation is needed to fully determine the project scope. Road repairs.

Project Need: Provide a brief explanation of why the project is necessary.

Damage found in the line.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Previous CIP

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 175,000.00

Potential Funding Sources:

Water/Sewer Funds
Local Streets Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: E. Madison Sanitary Replacement

Project ID #: _____ CIP ID #: SS-27

Department: Sewer Anticipated Start Date: 07/2029

Date Prepared: 03/09/2023

Project Description: Provide a brief physical description of the project. Please be specific.

Replace 730 ft of sanitary sewer line

Project Need: Provide a brief explanation of why the project is necessary.

Aging infrastructure

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Prior CIP

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 450,000.00

Potential Funding Sources:

Water/Sewer Funds

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Smoke Testing for Sanitary Sewer

Project ID #: _____

CIP ID #: WS-28

Department: Sewer

Anticipated Start Date: 07/2027

Date Prepared: 02/16/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Smoke testing to detect areas of inflow and infiltration (I&I) into the sewer system.

Project Need: Provide a brief explanation of why the project is necessary.

2018 televising/flow study found I&I issues. Smoke testing the high I&I districts will identify sources of I&I.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Previous CIP

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 65,000.00

Potential Funding Sources:

Water/Sewer Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Sanitary Sewer Spot Repairs

Project ID #: _____ CIP ID #: SS-30

Department: Sewer Anticipated Start Date: 07/2027

Date Prepared: 03/09/2023

Project Description: Provide a brief physical description of the project. Please be specific.

Repair various portions of sewer main throughout the collection system.

Project Need: Provide a brief explanation of why the project is necessary.

Repair of defects found during camera investigations.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Prior CIPs

Does the project share space or overlap with other CIP projects? Please describe.

Unknown.

Project Cost: \$ 100,000.00

Potential Funding Sources:

Water/Sewer Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Sanitary line root treatment

Project ID #: _____ CIP ID #: SS-31

Department: DPS Anticipated Start Date: 07/2029

Date Prepared: 02/18/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Sanitary sewer root control treatment

Project Need: Provide a brief explanation of why the project is necessary.

Apply treatment to slow and reduce roots in sewer mains at various locations.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: <u>\$ 25,000.00</u>	Potential Funding Sources:
Please check one of the following for cost basis:	<u>Water/Sewer Fund</u>
☐ Cost of comparable facility/equipment	
☐ Cost estimate from engineer/architect	
☐ Rule of thumb indicator/unit cost	
☐ Preliminary estimate	
☒ Ballpark "guesstimate"	List of Attachments (quotes, photos, etc.):

Streets

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Michigan Ave Bridge Maintenance

Project ID #: _____ CIP ID #: MS-2

Department: DPS Anticipated Start Date: 02/2025

Date Prepared: 03/07/2023

Project Description: Provide a brief physical description of the project. Please be specific.

Sandblasting and repainting of the Michigan Ave bridge

Project Need: Provide a brief explanation of why the project is necessary.

The bridge was constructed and painted in 2011. Paint is starting to flake off and is starting to create small pits that may start to deteriorate the surface if not maintained.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 100,000.00

Potential Funding Sources:

Major Streets Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Boltwood Storm Sewer Replacement (South of Mill St)

Project ID #: _____ CIP ID #: MS-3

Department: DPS Anticipated Start Date: 07/2026

Date Prepared: 02/15/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Replace storm sewer on Boltwood, south of Mill Street.

Project Need: Provide a brief explanation of why the project is necessary.

Known hole in bottom of storm pipe

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 30,000.00

Potential Funding Sources:

Major Streets Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: State Street Storm Replacement (Boltwood to Michigan)

Project ID #: _____ CIP ID #: MS-4

Department: DPS Anticipated Start Date: 07/2027

Date Prepared: 02/17/2023

Project Description: Provide a brief physical description of the project. Please be specific.

Replace existing storm sewer under State Street from Michigan Avenue to Boltwood. Repave section of road over trench and mill and pave 2" over rest of street.

Project Need: Provide a brief explanation of why the project is necessary.

Deterioration of the storm sewer in this area has led to street deformation.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 345,000.00

Potential Funding Sources:

Major Street Fund
Potential DDA Funds

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"



List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Chip Sealing

Project ID #: _____ CIP ID #: MS-5

Department: DPS Anticipated Start Date: 08/2025

Date Prepared: 01/22/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Chip sealing of various streets

Project Need: Provide a brief explanation of why the project is necessary.

This would start to preserve the roads that are currently 5 or above according to the PASER rating.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 225,000.00

Potential Funding Sources:

Major and local street fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: E. State Road Improvement - From 1st St. to East City Limits

Project ID #: _____ CIP ID #: MS-

Department: DPS Anticipated Start Date: 04/2027

Date Prepared: 02/19/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Mill and pave aprox. 3 inches of HMA pavement, along with replace curb & gutter, sidewalk ramps, and drive approaches as needed. Also, restripe pavement markings.

Project Need: Provide a brief explanation of why the project is necessary.

Street is deteriorated.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 600,000.00

Potential Funding Sources:

Small Urban Grant (\$375,000)
Major Street Funds(\$225,000 20% Min.)

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: E. Grand Storm Replacement (Michigan to Hanover)

Project ID #: _____ CIP ID #: MS-7

Department: DPS Anticipated Start Date: 07/2028

Date Prepared: 03/07/2023

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of storm sewer under E. Grand between Michigan and Hanover.

Project Need: Provide a brief explanation of why the project is necessary.

Storm sewer deterioration

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No

Does the project share space or overlap with other CIP projects? Please describe.

Yes - E. Grand resurface project

Project Cost: \$ 210,000.00

Potential Funding Sources:

Major Street Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: E. Grand Street Improvement - From Hanover St. to E. State St.

Project ID #: _____ CIP ID #: MS-8

Department: DPS Anticipated Start Date: 04/2029

Date Prepared: 02/19/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Mill and pave aprox. 3 inches of HMA pavement, along with replace curb & gutter, sidewalk ramps, and drive approaches as needed. Also, restripe pavement markings.

Project Need: Provide a brief explanation of why the project is necessary.

Street is deteriorated.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

Yes, E. Grand Storm Sewer Replacement

Project Cost: \$ 600,000.00

Potential Funding Sources:

Small Urban Grant (\$375,000)
Major Street Funds(\$225,000, 20%
minimum match)

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Major Street Contracted Miscellaneous Sidewalk, Curb & Gutter, and Drive Approach

Project ID #: _____ CIP ID #: MS-9

Department: DPS Anticipated Start Date: 07/2024

Date Prepared: 02/19/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Bid proposals a concrete flatwork contractor to place new sidewalk, curb & gutter, and drive approach in prioritized locations through out the city. This will be for sections deemed to large for DPS to handle. DPS will remove existing concrete and prepare for rough grading. Planned annual expense.

Project Need: Provide a brief explanation of why the project is necessary.

There are many locations in the city of dangerous or insufficient sidewalk, curb & gutter, and drive approach. This must begin to be repaired to an acceptable level. I will develop a map (GIS) that we will prioritize and use to bid each year.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 50,000.00

Potential Funding Sources:

Major Street Funds

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Woodlawn Avenue Sidewalk (From Broadway Avenue to Bob King Park Entrance)

Project ID #: _____ CIP ID #: MS-11

Department: DPS Anticipated Start Date: 07/2026

Date Prepared: 02/19/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Place 5' wide 4" thick concrete sidewalk from Broadway Avenue(M-43) to Bob King Park Entrance on the South side of Woodlawn Avenue. 675'

Project Need: Provide a brief explanation of why the project is necessary.

This will connect popular Bob King Park to pedestrians that are coming from Broadway Avenue.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 55,000.00

Potential Funding Sources:

Major Street Funds

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Clinton St (west) Water Main & LSLR(Michigan to West End) and S Benton Sanitary & Storm Replacement (Clinton to Walnut)

Project ID #: _____ CIP ID #: W-23 and MS-13

Department: DPS Anticipated Start Date: 07/2027

Date Prepared: 02/16/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Replace 4,000 ft main 8"/12" (breaks), and approximately 65 lead service line replacements. Full street reconstruct with 4" HMA/C&G, minimal storm, no sanitary.

Project Need: Provide a brief explanation of why the project is necessary.

Aging infrastructure, numerous water main breaks, deteriorated pavement condition. Lead service lines to be replaced.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Yes, prior CIP

Does the project share space or overlap with other CIP projects? Please describe.

Yes, with projects WS-22 and MS-9

Project Cost: \$ 4,431,000.00

Potential Funding Sources:

Water/Sewer Funds
DW/CWSRF
USDA Loan

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: South Hanover Street(M-37) Lead Service Replacement

Project ID #: _____ CIP ID #: W-24 and MS-15

Department: Public Services Anticipated Start Date: 07/2026

Date Prepared: 02/16/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Replace lead service lines along South Hanover Street from Barfield Drive to Clinton Street.
Includes road improvements.

Project Need: Provide a brief explanation of why the project is necessary.

Required by State of Michigan (EGLE).

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Yes.

Does the project share space or overlap with other CIP projects? Please describe.

Green and Market Street, Clinton & Marshall Street, E. Clinton Street, S. Hanover St., Apple Street, and N. Broadway Avenue.

Project Cost: \$ 923,380.00

Potential Funding Sources:

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

DWSRF
Water and Sewer Fund
Future Grants for Lead Line Replacements

List of Attachments (quotes, photos, etc.):

M&B 2024 DWSRF Estimate.

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Purchase of 22A Road Gravel

Project ID #: _____ CIP ID #: LS-1

Department: DPS Anticipated Start Date: 07/2025

Date Prepared: 01/22/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Purchase of road gravel specifically for dirt roads.

Project Need: Provide a brief explanation of why the project is necessary.

This would allow us to maintain our gravel roads better and would also allow our dust control to potentially last longer. It also has more of a clay base than the crushed concrete we currently use. This would be an annual cost

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 10,000.00

Potential Funding Sources:

Local Streets Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Local Street Contracted Miscellaneous Sidewalk, Curb & Gutter, and Drive Approach

Project ID #: _____ CIP ID #: L-2

Department: Public Services Anticipated Start Date: 07/2025

Date Prepared: 01/22/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Bid proposals a concrete flatwork contractor to place new sidewalk, curb & gutter, and drive approach in prioritized locations through out the city. This will be for sections deemed to large for DPS to handle. DPS will remove existing concrete and prepare for rough grading.

Project Need: Provide a brief explanation of why the project is necessary.

There are many locations in the city of dangerous or insufficient sidewalk, curb & gutter, and drive approach. This must begin to be repaired to an acceptable level. I will develop a map (GIS) that we will prioritize and use to bid each year.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 30,000.00

Potential Funding Sources:

Local Street Funds

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

\$30,0000 per year.

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Marshall Street Water Main Replacement (including LSLRs and road improvements)

Project ID #: _____ CIP ID #: W-21 and LS-3

Department: DPS Anticipated Start Date: 07/2028

Date Prepared: 02/16/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Replace 2,500 ft water main and approximately 40 lead service lines. Full street to be reconstructed with 4inch HMA, minimal storm repairs.

Project Need: Provide a brief explanation of why the project is necessary.

History of water main breaks, aging service, lead service lines. Significant road deterioration.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Previous CIP

Does the project share space or overlap with other CIP projects? Please describe.

Yes, as described above

Project Cost: \$ 2,881,943.00

Potential Funding Sources:

Water & Sewer Fund
DWSRF or USDA Loan
Local Streets Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Storm Sewer Televising Program

Project ID #: _____ CIP ID #: S-1

Department: DPS Anticipated Start Date: 07/2024

Date Prepared: 02/15/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Continued storm sewer CCTV and review of results

Project Need: Provide a brief explanation of why the project is necessary.

Only 12% of storm sewer has been televised to date, SAW BRE methodology did not prioritize many failing pipe issues.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 366,000.00

Potential Funding Sources:

Major and Local Streets Funds

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Storm Spot Repairs

Project ID #: _____ CIP ID #: S-2

Department: DPS Anticipated Start Date: 07/2028

Date Prepared: 03/10/2023

Project Description: Provide a brief physical description of the project. Please be specific.

Spot repair deficiencies found in system during review of CCTV results.

Project Need: Provide a brief explanation of why the project is necessary.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Prior CIP

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 38,807.00

Potential Funding Sources:

Major and Local Streets

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

TIF Funds

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Downtown Streetlight Replacement

Project ID #: _____ CIP ID #: DDA-1

Department: DDA Anticipated Start Date: 07/2028

Date Prepared: 02/07/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replace remaining streetlights in core downtown area, exclusive of parking lots. Cost includes installation estimate.

Project Need: Provide a brief explanation of why the project is necessary.

Lights are aging and rusting. New lights would match the lights on State Street and unify the downtown theme.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Yes. 2024 CIP

Does the project share space or overlap with other CIP projects? Please describe.

Yes. Downtown Sidewalk Rehab/Replacement

Project Cost: \$ 425,000.00

Potential Funding Sources:

DDA Fund

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

Approximately 56 14' poles at \$5,127
Approximately 14 20' poles at \$9,725

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Downtown Sidewalk Improvements

Project ID #: _____ CIP ID #: DDA-2

Department: DDA Anticipated Start Date: 07/2028

Date Prepared: 02/07/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replace portions of sidewalk where needed on S. Jefferson, Church, and elsewhere in core downtown.

Project Need: Provide a brief explanation of why the project is necessary.

The recently completed streetscape project included new sidewalks on State Street from Broadway to Boltwood. Jefferson and Church Street sidewalks in the core downtown are deteriorating and in need of rehabilitation or replacement.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Prior CIP.

Does the project share space or overlap with other CIP projects? Please describe.

Yes. Downtown street light replacement in the same Jefferson/Church street area.

Project Cost: \$ 200,000.00

Potential Funding Sources:

DDA Fund

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Parking Lot #1 Sidewalk Boulevard Reconstruction

Project ID #: _____ CIP ID #: DDA-3

Department: DDA Anticipated Start Date: 07/2026

Date Prepared: 02/07/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Reconstruct Parking Lot #1 Sidewalk Boulevard.

Project Need: Provide a brief explanation of why the project is necessary.

Concrete of current sidewalk boulevard is heaving and cracking due to tree roots. Curbing is crumbling due to age. Trees have exceeded their useful life with tree roots heaving the sidewalk creating hazardous walking conditions.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 32,600.00

Potential Funding Sources:

DDA Fund

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

Approximately 1,160 sq.ft concrete at \$15/sq ft. Approximately 280 linear feet of curb at \$40 lin/ ft. 2 tree grate at \$1,200 ea. 2 street trees at \$800 ea.

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Thornapple Plaze Low Voltage System to Underground

Project ID #: _____ CIP ID #: DDA-4

Department: DDA Anticipated Start Date: 07/2025

Date Prepared: 02/17/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Consumers Energy will relocate existing above ground wires to underground. The high voltage wires will remain above ground.

Project Need: Provide a brief explanation of why the project is necessary.

This will improve the aesthetic appeal of the plaza area and allow for future above ground improvements such as shade sails.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Other Consumers Energy projects and local development projects.

Project Cost: \$ 66,185.00

Potential Funding Sources:

DDA Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

- a. Cost to remove overhead: \$8,472
- b. Cost to install underground: \$ 53,625
- c. Cost to refeed transformer at State St and S Hanover St: \$4,088



Emergency Services

City of Hastings – Capital Improvement Plan
Project Application Form



Project Title: Replacement of Patrol Cars #41 and #43

Project ID #: _____ CIP ID #: PD-1 and PD-2

Department: Police Anticipated Start Date: 07/2028

Date Prepared: 01/21/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Purchase of two new Ford SUV AWD Police Interceptors to replace patrol vehicles number 47 and 43. Includes transfer of all emergency equipment.

Project Need: Provide a brief explanation of why the project is necessary.

To maintain a safe and reliable fleet of patrol vehicles while keeping the cost of maintenance to a minimum.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 120,000.00

Potential Funding Sources:

Please check one of the following for cost basis:

General Fund
Sale of retired vehicles

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Replacement of Patrol Cars #42 and #47

Project ID #: _____ CIP ID #: PD-3 and PD-4

Department: Police Anticipated Start Date: 07/2026

Date Prepared: 01/21/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Purchase of two new Ford SUV AWD Police Interceptors to replace patrol vehicle number 42 and 41. Includes transfer of all emergency equipment

Project Need: Provide a brief explanation of why the project is necessary.

To maintain a safe and reliable fleet of patrol vehicles while keeping the cost of maintenance to a minimum.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 110,000.00

Potential Funding Sources:

General Fund

Sale of retired vehicles

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Replacement of Duty Sidearm

Project ID #: _____ CIP ID #: PD-5

Department: Police Anticipated Start Date: 07/2025

Date Prepared: 01/21/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of all 20 Glock .40 caliber duty sidearms. The new Generation 5 weapons will also require us to purchase all new holsters.

Project Need: Provide a brief explanation of why the project is necessary.

Duty weapons are the primary defense against active aggression towards officers and the public. The duty weapons we carry are exposed to all types of conditions from rain, snow, dirt and debris, and firing hundreds if not thousands of rounds of ammunition over their lifespan. The general rule of thumb is replacement of the sidearms every 7-10 years. The sidearms currently being carried by officers have been in service since 2014. The guns are approaching their end of law enforcement

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 15,000.00

Potential Funding Sources:

General fund
proceeds from trade in of current guns

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Radar trailer

Project ID #: _____ CIP ID #: PD-6

Department: Police Anticipated Start Date: 07/2025

Date Prepared: 01/21/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Purchase of new radar speed monitoring trailer

Project Need: Provide a brief explanation of why the project is necessary.

The current radar trailer is over twenty years old and repair costs are beginning to exceed the value of the unit. The unit is currently out of service requiring it to be serviced. New units have several different modes of use and could be used in different situations other than just monitoring speed.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No

Does the project share space or overlap with other CIP projects? Please describe.

unknown

Project Cost: \$ 15,000.00

Potential Funding Sources:

General fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Full Encryption of all 700/800 MHz Radios

Project ID #: _____ CIP ID #: PD-7

Department: Police Anticipated Start Date: 07/2027

Date Prepared: 02/04/2025

Project Description: Provide a brief physical description of the project. Please be specific.

The FBI is requiring 911/LEIN talk groups on all radios be encrypted to at least Advanced Encryption Standard (AES). AES is a cryptographic algorithm that encrypts and decrypts data using a symmetric key. It's used to protect sensitive data in storage and during transmission. This will require the replacement of old portable and mobile radios not equipped with necessary software. +

Project Need: Provide a brief explanation of why the project is necessary.

The encryption is necessary to protect the privacy of those whose information would be broadcast, and also for safety of the officers while responding to calls.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 78,000.00

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

Potential Funding Sources:

Continuing to explore funding sources to see if the Federal Government will offer a source.

General Fund.

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Police Department Workspace Update

Project ID #: _____ CIP ID #: PD-8

Department: Police Anticipated Start Date: 07/2025

Date Prepared: 02/21/2025

Project Description: Provide a brief physical description of the project. Please be specific.

This project is being requested to promote a suitable working environment for staff and the citizens we serve. The front reception area is original to the the police department when it was moved in 1997-98. We have added equipment over the past 25 years causing work stations to be crowded and outdated. The structure of the front desk area is inadequate for present operational needs. New work station desks are needed in the patrol room and sergeant's office. The desk were used +

Project Need: Provide a brief explanation of why the project is necessary.

PD has outgrown the space originally provided.
Work stations are inadequate and not suitable for staff ergonomics.
Heating/cooling system can not keep up with demands due to leakage of outside air through old windows.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Prior CIPs.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 200,000.00

Potential Funding Sources:

General fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Taser replacement

Project ID #: _____ CIP ID #: PD-9

Department: _____ Anticipated Start Date: 07/2025

Date Prepared: 01/21/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of four Tasers and purchase of one additional Taser (5 total).

Project Need: Provide a brief explanation of why the project is necessary.

Department Tasers are 10 years old and beyond the recommended service life which is 5-7 years. The Taser is a very important tool officers rely on to do their job, especially when it comes to less than lethal use of force.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 10,000.00

Potential Funding Sources:

General fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Nozzle and Hose replacement

Project ID #: _____ CIP ID #: F-1

Department: Fire Anticipated Start Date: 07/2027

Date Prepared: 01/09/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Replace 4, 1.5 inch firefighting nozzles.

Replace 2 nozzles FY26, then replace remaining in FY 26

Project Need: Provide a brief explanation of why the project is necessary.

Properly functioning nozzles are a must when fighting fires to provide adequate water supply in any circumstance. The current nozzles are old and do not have the modern pistol grips needed to aid in fire fighting. The department's purchased 3 nozzles in FY 25

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 5,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Chain Saw Replacement & Ventilation Saw Purchase

Project ID #: _____ CIP ID #: F-2

Department: Fire Anticipated Start Date: 07/2025

Date Prepared: 09/02/2024

Project Description: Provide a brief physical description of the project. Please be specific.

1 new K12 roof ventilation saw (\$2,500)
Replacement of six chainsaws 1 chainsaw \$865 2024/25, then \$3,162 annually

Project Need: Provide a brief explanation of why the project is necessary.

The department does not own a K12 ventilation saw that is required by NFPA. The chain saws we have are very old (purchased in the early 2000s) and they do not have compression release making them hard to start quickly. The new saws will start more reliably when needed in an emergency.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 16,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Life pack

Project ID #: _____ CIP ID #: F-3

Department: Fire Anticipated Start Date: 04/2026

Date Prepared: 01/20/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Add a Lifepack 2300 to our medical response equipment. With one device we will be able to monitor many vital signs at once giving up a quicker response to life threatening events.

Project Need: Provide a brief explanation of why the project is necessary.

This life pack will significantly improve our EMS operation. We currently use many pieces of equipment to monitor a patient and their vital signs. Moving to a Lifepack will enable us to do most vitals with one piece of equipment. This equipment is compatible with all the ALS ambulances in the county.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 28,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Attack Hose

Project ID #: 15 CIP ID #: F-4

Department: Fire Anticipated Start Date: 07/2025

Date Prepared: 01/15/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement fighter fighting hose to keep up with expiring and failing hose per NFPA 1501.

Project Need: Provide a brief explanation of why the project is necessary.

A large amount of our hose is in excess of 15/20 years old. Planning to upgrade the hose is critical. The goal will be to replace 1000 ft annually.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 16,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Turnout Gear/PPE Replacements

Project ID #: _____ CIP ID #: F-5

Department: Fire Anticipated Start Date: 07/2025

Date Prepared: 01/11/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replace five sets of turn out gear annually (15,600/yr) this cost includes new boots and helmets to stay current with the 10 year expiration period

Project Need: Provide a brief explanation of why the project is necessary.

Turn out gear must be replaced every ten years. We need to continue replacing about four sets each year to replace aging gear and to accomodate new department members. Cost estimate is based on last year's purchase plus ten percent increase.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 68,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: 800 Radios (mobile & portable)

Project ID #: _____ CIP ID #: F-6

Department: Fire Anticipated Start Date: 07/2025

Date Prepared: 01/09/2024

Project Description: Provide a brief physical description of the project. Please be specific.

7 Mobile Truck 800 Mhz radio to be spread out over 3 years (\$3,500/each, plus install and programming cost).

6 Portable 800 MHz radios to be purchased in 24/25 (\$2,500/each, plus programming).

Project Need: Provide a brief explanation of why the project is necessary.

Only one truck-mounted mobile radio has been purchased since 2017. All current radios are on the end of life list with the state by the end of December 2024.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 49,300.00

Potential Funding Sources:

General Fund
Grant Funds if Available

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: CPR Chest Compressor

Project ID #: _____ CIP ID #: F7

Department: Fire Anticipated Start Date: 08/2027

Date Prepared: 02/16/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of the CPR Chest Compressor by 2027.

Project Need: Provide a brief explanation of why the project is necessary.

The current chest compressor was purchased in 2022 with a recommend life span of 5-6 years. By 2027, it will be time to replace with a newer model (estimated cost is based on today's pricing plus 6%).

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 26,000.00

Potential Funding Sources:

General Fund
Grants

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Chief Vehicle replacement

Project ID #: _____ CIP ID #: F-8

Department: Fire Anticipated Start Date: 07/2026

Date Prepared: 01/24/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Replacment of Chief vehicle due to high miles and changes in department needs.

Project Need: Provide a brief explanation of why the project is necessary.

The city has historically provided the Fire Chiefs truck. The vehicle is used daily so has a higher miles that most department vehicles. the current truck will be 6 years old at time of replacement. current truck will be sold to off set the cost.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 70,000.00

Potential Funding Sources:

General Fund owned by the city

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Aerial Replacement (836)

Project ID #: _____ CIP ID #: F-9

Department: Fire Anticipated Start Date: 09/2028

Date Prepared: 01/24/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of 1999 Aerial/Platform (City Owned). This is a timely and extensive project starting with design and implantation. The current lead time on an aerial is in excess of 18 months from start of the build.

Project Need: Provide a brief explanation of why the project is necessary.

The current aerial was purchased in 1999 and will be 30 years old at time of replacement. NFPA recommends replacement at 25 years. We have spent significant money on the current aerial and as it continues to age, the maintenance and repair costs will continue to escalate. The current truck is also lacking updated technology for fire personnel safety and speed to deployment.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 1,900,000.00

Potential Funding Sources:

BIRCH truck fund
General Fund

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☒ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Restroom Facility and Safety Upgrades

Project ID #: _____ CIP ID #: F-10

Department: Fire Anticipated Start Date: 08/2025

Date Prepared: 01/15/2025

Project Description: Provide a brief physical description of the project. Please be specific.

The project is to upgrade two exiting bathrooms and a shower room . Removing exiting stalls to open up the floor plan to create and ADA space in two individual unisex bathrooms . The second phase it to replace an unusable shower that will create a 3rd bathroom and clean and healthy shower room for decontamination

Project Need: Provide a brief explanation of why the project is necessary.

The current bathrooms are dark ,unhygienic very old and dirty with damaged flooring with possible hazardous asbestos and lead paint on the walls. The final outcome will be 2 ADA unisex bathroom and a unisex shower/bathroom. this will give the full time and paid on call staff clean and usable bathroom facilities

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 35,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Roof replacment

Project ID #: _____ CIP ID #: F-11

Department: Fire Anticipated Start Date: 09/2025

Date Prepared: 01/15/2025

Project Description: Provide a brief physical description of the project. Please be specific.

The project is to replace the roof above the office area of the station. Remove the existing flat roof and replace with new membrane roof material.

Project Need: Provide a brief explanation of why the project is necessary.

The roof over the office area continues to leak damaging the wall and ceiling tiles. Water is dripping in the light fixtures, creating the possibility of future mold growth.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 22,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Roof replacement

Project ID #: _____ CIP ID #: F-12

Department: Fire Anticipated Start Date: 10/2025

Date Prepared: 01/15/2025

Project Description: Provide a brief physical description of the project. Please be specific.

The floor in the office is over 20 years old. The carpet has many damaged areas that need to be replaced.

Project Need: Provide a brief explanation of why the project is necessary.

This project is to remove the existing carpet and replace with a laminate or carpet tile type flooring for easier cleaning. The existing carpet is glued down which will need to be stripped and the concrete cleaned before the new flooring can be placed.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Same area as roof replacement (F-11).

Project Cost: \$ 10,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Extrication Combination Tool

Project ID #: _____ CIP ID #: F-13

Department: Fire Anticipated Start Date: 08/2025

Date Prepared: 01/20/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Add a battery-operated combination tool which can be used for vehicle extrication and forcible entry into homes.

Project Need: Provide a brief explanation of why the project is necessary.

Engine 832 currently has 20 year old hydraulic extrication tools which are very outdated and hard to use in cold weather or off road situations. Adding the new battery power tool will replace the entire system and provide quicker access to equipment in an emergency situation.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

No

Project Cost: \$ 20,000.00

Potential Funding Sources:

General Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Emergency Services Building Construction

Project ID #: _____ CIP ID #: ES-1

Department: Fire Anticipated Start Date: 07/2031

Date Prepared: 02/17/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of Fire Barn with new fire station.

Project Need: Provide a brief explanation of why the project is necessary.

The existing fire barn is in dire need of replacement. The facility is too small and new apparatus are unable to fit in the facility. A new facility is needed to house modern equipment and provide efficient service.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 7,500,000.00

Potential Funding Sources:

General Fund
USDA Loan
Special Assessment Millage

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

Equipment/Motor Pool

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: DPS Superintendent Vehicle #20

Project ID #: _____ CIP ID #: MP-1

Department: DPS Anticipated Start Date: 07/2025

Date Prepared: 01/28/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Supervisor vehicle for transportation

Project Need: Provide a brief explanation of why the project is necessary.

Vehicle on replacement program (if selected)

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 68,000.00

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

Potential Funding Sources:

Vehicle is on replacement program - sale of existing vehicle planned to pay for new vehicle.

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: DPS Superintendent Vehicle #30

Project ID #: _____ CIP ID #: MP-2

Department: DPS Anticipated Start Date: 07/2025

Date Prepared: 01/28/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Supervisor vehicle for transportation

Project Need: Provide a brief explanation of why the project is necessary.

Vehicle on replacement program (if selected)

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 62,000.00

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

Potential Funding Sources:

Vehicle is on replacement program - sale of existing vehicle planned to pay for new vehicle.

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Dust Control Attachment to Swap Loader Truck

Project ID #: _____ CIP ID #: MP-3

Department: Public Services Anticipated Start Date: 07/2028

Date Prepared: 01/13/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Install CS630 Three-Channel Spreader Controller, new hydraulic components and plumbing, supply and install Monroe skid mounted single lane dust control unit.

Project Need: Provide a brief explanation of why the project is necessary.

Allows for dust control for gravel roads on an as needed basis, instead of depending on contractors to provide dust control at their schedule. This will pay for itself over time by using own staff and equipment instead of contractor. Public using the gravel roads should encounter less dust and improve quality of life.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

No.

Does the project share space or overlap with other CIP projects? Please describe.

No.

Project Cost: \$ 40,000.00

Potential Funding Sources:

Equipment Fund or Streets

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

Truck and Trailer Specialties Quote
11/29/23

Truck & Trailer Specialties

3286 Hanna Lake Ind. Park Dr.

Dutton, MI. 49316

Phone 616-698-8215, Fax 616-698-0972

City of Hastings

Attn: Rob Neil

Phone: 269-838-8395

November 29, 2023

Equipment Quotation DQO004577

Chassis info: 2023 S/A International HV507 SFA, VIN # 3HAEDTAR7PL677645,

Swap Loader Model SL2418

Truck & Trailer Specialties to complete the following:

Install CS630 three-channel spreader controller including the following:

Remove existing CS420 two-channel spreader controller and install new CS630

5.5" organic LED display

On-screen display of storm and season totals

3 frequency inputs (ground speed, conveyor, and liquid)

3 proportional, current compensated PWM outputs (programable dither frequency) for spinner, conveyor, and liquid

2 digital outputs (reverse, air gate, GS12V)

USB key or password-protected calibration value

Operating parameters and event data can be retrieved by a USB memory stick

Automatic nulling and material calibration (with closed loop version only)

Set up for closed loop

Remote pause/blast, with adjustable blast setting

Solenoid and cable failure detection

Firmware upgradable via USB

Install new Hydraulic components/plumbing to include the following:

Utilize existing conveyor valve section for use with dust control including:

Add an electric proportional coil to existing conveyor valve section, both coils/cables to be labeled for function

Both coils on conveyor section to be left unplugged by T&T

City of Hasting to plug in either the dust control coil, OR conveyor coil on the valve at time of use, and to disconnect said coil wiring when attachment is unloaded to prevent accidental circuit activation when not in use

Fabricate and install stainless steel mounting plate at rear side of combo tank for use with housing hydraulic couplers and electrical plugs for use with non-dumping attachments

Plumb Dust control, Conveyor, and Spinner hydraulic circuits to coupler mounting plate, Stainless steel quick couplers to be installed for Dust control pressure and return circuits, Conveyor and spinner lines to be capped off at coupler mounting plate for future use

Install 7-way RV plug for non-dumping attachment body lighting at coupler mounting plate, Wire jib shutoff into 7-way plug to disable the jib function when body lighting is plugged in

Install feedback signal wiring for dust control with plug installed at the coupler mounting plate

Supply and install Monroe skid mounted single lane Dust Control unit including the following:

1,235gallon tank with center baffle system that is rated 1.7 specific gravity

Tank includes 4 galvanized hoops and a 16" manhole dome cover with lanyards

Hold down brackets on the street side to attach hydraulic plumbing and wiring

Galvanized skid assembly with 54" hook height and front and 19" leg kit with rollers at rear

Spray system includes a 2" full port electric ball valve

Truck & Trailer Specialties

3286 Hanna Lake Ind. Park Dr.

Dutton, MI. 49316

Phone 616-698-8215, Fax 616-698-0972

Boom valve shall open and close based on ground speed

Product pump is a 05008009 - 210 GPM Pentair Pump

Plumbing includes an in-line check valve

Dust control unit flow meter is Raven RFM 200

Dust control spray bar is 96 "wide 2" stainless steel pipe with 17 replaceable fan style nozzles

No boom busters are included

Hydraulic circuits plumbed to the rear of body in stainless steel pipe

Hydraulic circuits will be equipped with stainless quick connects and jumper hoses

Wiring for lights and flowmeter will be run down the side to a rear mounted junction box

Wiring for lights and flowmeter in the front of the body will include a 7-way plug

Two (2) stainless steel, two oval hole light boxes at rear, to house one each side:

Top position: SoundOff LED amber/green warning flashers

Bottom position: SoundOff LED stop/turn/taillights

No anti-ice components are included per City of Hastings

Above installed Price: \$36,305.00 ea.

Credit for CS420 trade in.

Deduct \$ 600.00

Lead time: 320 – 365 Days ARO

Payment Terms: Net 30

Pricing good for: 30 days

Thank you for the opportunity to quote.

Submitted by:

Chad Veenstra / Dan Bouwman

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Addition of Building at Compost Site

Project ID #: _____ CIP ID #: MP-4

Department: DPS Anticipated Start Date: 07/2028

Date Prepared: 01/19/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Three sided building with roof for Storage at Compost Facility approx 40x60

Project Need: Provide a brief explanation of why the project is necessary.

Currently the DPS has equipment stored out behind the DPS garage. If we add a building we can store multiple pieces of equipment and water appurtenances to keep them out of the elements as much. We currently have Approx. 80-100K in attachments out in the elements that would last longer if they were stored in a structure with a roof and sides

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 75,000.00

Potential Funding Sources:

Equipment fund/Water fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Replacement of Front End Loader #220

Project ID #: _____ CIP ID #: MP-5

Department: DPS - Motor Pool Anticipated Start Date: 07/2025

Date Prepared: 02/03/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of 2008 Loader.

Project Need: Provide a brief explanation of why the project is necessary.

Front end loader is used for loading material, picking up leaves, snow, and brush. This also includes a 12' snow pushing bucket which is an option but may be switched for a 4 in 1 bucket that is a more useful tool. This loader needs to be upgraded as it is starting to rust around the ROPS (Rollover Protective Structure)

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 285,000.00

Potential Funding Sources:

Equipment Fund
Trade in / Sealed Bid for old equipment

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

Mich Cat

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Replacement of 6-yr dump truck #130

Project ID #: _____ CIP ID #: MP-7

Department: DPS - Motor Pool Anticipated Start Date: 07/2025

Date Prepared: 02/12/2024

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of large dump truck with a side-wing, swap-loader, and underbody blade

Project Need: Provide a brief explanation of why the project is necessary.

This vehicle is aging and is difficult to find parts for when repairs are needed. This truck is used for leaf pickup, snow removal, and material hauling. This truck will be equipped with a sidewing and underbody plow

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 210,000.00

Potential Funding Sources:

Equipment Fund
Trade in / sealed bid (est 3-10K)

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☒ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Replacement of John Park Mower #300

Project ID #: _____ CIP ID #: MP-10

Department: DPS - Motor Pool Anticipated Start Date: 07/2026

Date Prepared: 01/13/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of lawn mower used for roadside mowing.

Project Need: Provide a brief explanation of why the project is necessary.

This mower is a 2010 and has approximately 3,500 hours. It is used for mowing roadside and city property that is not contracted out.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 55,000.00

Potential Funding Sources:

Please check one of the following for cost basis:

Equipment Fund
Trade In / Sealed Bid (est 1-5K)

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Replacement of 2000 GMC C-7500 #120

Project ID #: _____ CIP ID #: MP-11

Department: DPS - Motor Pool Anticipated Start Date: 07/2025

Date Prepared: 02/03/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of 22 year old large dump truck with 55,000 miles.

Project Need: Provide a brief explanation of why the project is necessary.

The large dump truck is necessary for hauling. A truck with additional horsepower and increased capacity would be beneficial. Parts for this truck are very hard to get.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 160,000.00

Potential Funding Sources:

Please check one of the following for cost basis:

Equipment Fund
Trade in / sealed bid (1-5K est)

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Salt Storage building

Project ID #: _____ CIP ID #: MP-12

Department: DPS Anticipated Start Date: 07/2025

Date Prepared: 01/16/2025

Project Description: Provide a brief physical description of the project. Please be specific.

This would be a rectangle building approx 65'x55' with a possible prefab frame and fabric cover or possibly a pole barn style structure.

Project Need: Provide a brief explanation of why the project is necessary.

This building has been deteriorating and is in need of major repairs. A replacement of this building would be more fiscally responsible than reconstructing the current structure. Research has been done and this buildings is at least 50 yrs old.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 250,000.00

Potential Funding Sources:

General Fund
Equipment Fund
Road Funds

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Replacement of 2018 International Street Sweeper #270

Project ID #: _____ CIP ID #: MP-13

Department: DPS - Motor Pool Anticipated Start Date: 07/2025

Date Prepared: 01/13/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of street sweeper with 1900 hours on both engines, approximately 10,000 miles

Project Need: Provide a brief explanation of why the project is necessary.

The street sweeper is used about 3 days/week during the summer. A sweeper's useful life is approximately five years and then it starts to cost more in parts and loses significant trade in value. Street sweepers keep the roads clean and reduce buildup from occurring in the storm sewers.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 395,000.00

Potential Funding Sources:

Equipment Fund
Trade in / sealed bid (est 60 - 85K)

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Replacement of Cat Skid Steer #430

Project ID #: _____ CIP ID #: MP-14

Department: DPS - Motor Pool Anticipated Start Date: 07/2028

Date Prepared: 01/20/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of 2014 cat skid steer

Project Need: Provide a brief explanation of why the project is necessary.

This equipment is used for cleaning parking lots in the winter, tree removal, transferring black dirt, and removing sidewalk. It is replaced approximately every 10 years.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 135,000.00

Potential Funding Sources:

Please check one of the following for cost basis:

Equipment Fund
Trade in / Sealed Bid (4-15K est)

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Box Replacement for 550 Dump Truck

Project ID #: _____ CIP ID #: MP-15

Department: DPS Anticipated Start Date: 07/2025

Date Prepared: 02/01/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Purchase new small dump box for truck #550.

Project Need: Provide a brief explanation of why the project is necessary.

A new box is needed for this truck. The old box is rusted through on the sides. Purchasing a new box for this truck would mean this truck could go an extra 5 years, this truck is a 2015.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

no

Does the project share space or overlap with other CIP projects? Please describe.

no

Project Cost: \$ 28,000.00

Potential Funding Sources:

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Dump Truck 550 Replacement

Project ID #: _____ CIP ID #: MP-16

Department: Motor Pool Anticipated Start Date: 07/2031

Date Prepared: 02/18/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of dump truck 550.

Project Need: Provide a brief explanation of why the project is necessary.

Truck is a 2015 and will need to be replaced.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

no

Does the project share space or overlap with other CIP projects? Please describe.

no

Project Cost: \$ 130,000.00

Potential Funding Sources:

Equipment Fund

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Replacement of Vactor Truck #240

Project ID #: _____ CIP ID #: MP-17

Department: DPS - Motor Pool Anticipated Start Date: 07/2026

Date Prepared: 01/13/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of city vactor truck.

Project Need: Provide a brief explanation of why the project is necessary.

The vactor truck is used for sewers, water main repairs, and to service leaks in catch basins. It is one of the most used pieces of equipment in the garage. Vac truck will be approx 7 years old at time of replacement.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 575,000.00

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

Potential Funding Sources:

Equipment Fund
Trade in
Installment Purchase Contract

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Replacement of Front End Loader #250

Project ID #: _____ CIP ID #: MP-19

Department: DPS - Motor Pool Anticipated Start Date: 07/2027

Date Prepared: 01/28/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of Front End Loader that was purchased in 2015.

Project Need: Provide a brief explanation of why the project is necessary.

Front end loader is used for loading material, picking up leaves, snow, and brush.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 325,000.00

Potential Funding Sources:

Equipment Fund
Trade in / Sealed Bid (est 25 - 45K)

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Replacement of Excavator #180

Project ID #: _____ CIP ID #: MP-20

Department: DPS - Motor Pool Anticipated Start Date: 07/2027

Date Prepared: 01/13/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of Excavator

Project Need: Provide a brief explanation of why the project is necessary.

This vehicle is necessary for curb removal, water main breaks, heavy lifting, hydrant replacement, and other purposes within the city. This machine will be about 20 years old at time of proposed replacement.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 315,000.00

Potential Funding Sources:

Equipment Fund
Trade in / Sealed Bid (est 25-45K)

Please check one of the following for cost basis:

- ☒ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☐ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):

City of Hastings – Capital Improvement Plan Project Application Form



Project Title: Replacement of 2007 Chevy

Project ID #: _____ CIP ID #: MP-21

Department: DPS Anticipated Start Date: 07/2025

Date Prepared: 02/17/2025

Project Description: Provide a brief physical description of the project. Please be specific.

Replacement of truck # 590 2007 Chevy 1500 this recently took the place of the old 100 which was eliminated all together.

Project Need: Provide a brief explanation of why the project is necessary.

This truck is in need of replacement, it has braking issues and is starting to become unsafe. This replacement would be a crew cab and would help with transportation back and forth to classes.

Planning: Is the project included in a prior program, plan, or policy? If so, identify the plan here:

Does the project share space or overlap with other CIP projects? Please describe.

Project Cost: \$ 55,000.00

Potential Funding Sources:

Please check one of the following for cost basis:

- ☐ Cost of comparable facility/equipment
- ☐ Cost estimate from engineer/architect
- ☐ Rule of thumb indicator/unit cost
- ☐ Preliminary estimate
- ☒ Ballpark "guesstimate"

List of Attachments (quotes, photos, etc.):