

**HEBRON TOWN COUNCIL
HEBRON UTILITY REGULATORY COMMISSION
MINUTES OF JANUARY 23, 2024**

The Hebron Town Council and Regulatory Commission meeting of January 23, 2004, was called to order by President John Spinks, Jr. at 7:00 p.m. In attendance were Council Members, Justin Albright, Mike Wallace, Shane Spagnola, Tammy Grdinich, and John Spinks, Jr.; Town Attorney Brett Galvan; MCO Representative Randy Decker; Town Marshal Josh Noel; and Clerk-Treasurer Jamie Uzelac. Not in attendance were Park Board President Linda Brebner and Building Commissioner Brad Ladwig.

Following the Pledge of Allegiance, the following business was conducted.

Public Comments – President Spinks read the following Public Comment Statement.

The Town Council would like to let everyone know that the agenda for our meetings are available online on the town website the Friday before we meet to allow citizens to come and speak on topics before a decision is made. This meeting is being recorded and will be made available on the website before our next meeting. In order to give everyone an opportunity to speak and to get through today's business, please state your name and address before limiting your comments to 3 minutes. Comments will only be allowed during the "Public Comment" sections of this meeting directly after this statement is read.

Dawn Wilson, 705 Aspen Street – Plow damage to mailbox. Ms. Wilson stated that she spoke with Randy Decker who stated that this damage was not caused by plowing. After reviewing Ms. Wilson's photo, Councilman Wallace stated that the truck and plow did not come into contact with the post and mailbox. Randy Decker stated there were seven boxes damaged during the last storm, he noted that the boxes are over the curb (boxes are to be 6/8 inches off the curb). He stated that he and Bob went to the property and the pole was still standing, but they could value the mailbox as it was not there. He stated it was his belief that wet snow or ice hit the box causing the box to come off the post. Following a lengthy discussion, and recommendation from Council Liaison Wallace, and on motion of Councilman Wallace, seconded by Councilman Shane Spagnolo, and duly carried 5-0, the Council will purchase a new mailbox for the homeowner at the cost not to exceed \$50.00, the homeowner required to move the box as per the Post Office requirements. Attorney Brett Galvan advised the Council to address this type of issue on a case-by-case basis.

Agenda Amendment – On motion of Councilman Wallace, seconded by Councilman Albright, and duly carried 5-0, the agenda was amended to include the topic of Public Works new hires.

Public Hearings – None

Utility Adjustments – None

Old Business – None

Approval of Minutes

On motion of Councilman Albright, seconded by Councilwoman Grdinich, and duly carried 5-0, the December 19, 2023, Council/HURC Minutes, January 1, 2024, Council/HURC Minutes, and January 9, 2024, Workshop Minutes were approved as presented.

Docket

President Spinks read the docket totals for January 23, 2024: Total \$1,379,649.29, Transfers \$398,922.05, and Net \$980,727.24. On motion of Councilman Wallace, seconded by Councilman Albright, and duly carried 5-0, the docket was approved as presented.

Ordinances and Resolutions

Unanimous Consent Vote – On motion of Councilman Wallace, seconded by Councilman Spagnola, and duly carried 5-0, the Council approved consideration of Ordinance 2024-01-23, **An Ordinance of the Town Hebron, Indiana Amending the Municipal Code for the Town of Hebron**, and Ordinance 2023-12-19, **Salary Ordinance**, at this meeting.

Ordinance 2024-01-23 – An Ordinance of the Town of Hebron, Indiana Amending the Municipal Code for the Town of Hebron (Amending Appendix A – Land Use, Article III, Chapter 4, Section 2-3-4-2) – On motion of Councilman Albright, seconded by Councilman Wallace, and duly carried 5-0 Ordinance 2024-01-23 was passed and adopted. A copy of said Ordinance is attached to these minutes.

Ordinance 2023-12-19 - Salary Ordinance – President Spinks stated that the change in the Salary Ordinance is for an increase in Deputy Marshal Patrolman 2 salary from \$1,671.16 to \$1,923.08. Councilman Albright stated that this is for a probationary patrolman, and it is being done in an attempt to help with recruitment efforts. On motion of Councilman Albright, seconded by Councilman Spagnola, and duly carried 5-0, Ordinance 2023-12-19 Amended January 23, 2024, was passed and adopted.

New Business

Fire Contract – On motion of Councilman Albright, seconded by Council President Spinks, and 5-0, the Council approved the Fire Contract which took effect on January 1, 2024. Councilman Albright noted that according to the Accounts Payable Register it appears that \$6,421.22 was distributed to the Fire Department. Clerk-Treasurer Jamie Uzelac stated that it will be taken out of what is given to the Fire Department.

Wessler Contract for On Call Drinking and Wastewater Engineering Services – Randy Decker stated that this contract would allow Wessler to bill the Town for projects not covered by a contract. Discussion ensued. On motion of Councilman Wallace, seconded by Councilman Spagnola, and duly carried 5-0, the Council tabled the Wessler Contract for On Call Drinking

and Wastewater Engineering Services. This issue will be added to the agenda for the next workshop.

Wessler Contract for Proposal for Professional Services for Elevated Water Tower – Randy Decker said this is for the PDR for the new 200,000-gallon tank and for refurbishing the 300,000 and 100,000. The deadline for the applicant is April 1, 2024. Mr. Decker stated that Matt Reardon had the numbers he needs. A lengthy discussion was held. Mr. Decker stated that a PDR can be altered. Mr. Decker said that we are going from a 200,000-gallon tank to 250,000 gallon if we do Windy Hill and this has a lot of moving parts. On motion of Councilman Albright, to amend the PDR to reflect the increase to 250,000 gallon and higher heights of the water tower along with all the moving parts, seconded by Councilman Spagnola. President Spinks asked Wessler to submit a revised PDR for signature. On motion of Councilman Albright, seconded Councilman Spagnola, and duly carried 4-0-1 (Councilwoman Grdinich noted that she was abstaining from the vote as she did not have enough knowledge of issue), the Council approved amending the PDR to reflect the increase to 250,000 gallon and higher heights of the water tower along with all moving parts and authorized President Spinks to sign the revised PDR.

New Hire – Public Works - Hiring of Public Works Employees – Councilman Wallace stated that there were three strong applicants for the Street Superintendent position and in that process, Randy Decker had an idea to move one of current employees into the water side which would then free up another position. Councilman Wallace stated that what they are asking is the that the Street Superintendent position stay as it was and the Department would add a position for an Assistant Street Superintendent. Also, asking the Street Superintendent's salary would be \$51,244.00 and the Assistant Street Superintendent's salary would be \$48,235.00 which are covered under Randy's budget.

President Spinks stated the first thing to consider is the moving of the employee currently in the position of Assist Street Superintendent. On motion of Councilman Wallace, seconded by Councilman Albright, and duly carried 5-0, the employee currently in the Assist Street Superintendent will be moved to water. On motion of Councilman Wallace, seconded by Councilman Albright, Mike Lentz was hired as Street Superintendent, Nick Overton was hired as Assist Street Superintendent, and Chester Hanson was hired as Lab Tech and PT Plow Driver.

Community Crossing Grant – Randy Decker stated that the grant is due next week, and bidding would be in March, no paving in Snake Flats this year, and we can lump Sigler to Church into the project. We can apply for \$396,000.00 which includes the paving in the alley way. On motion of Councilman Wallace, seconded by Albright, and duly carried 5-0, this was approved.

Hiring of Susan Alyea – On motion of Councilman Wallace, seconded by Councilman Albright, and duly carried 5-0, the Council hired Susan Alyea at the hourly rate of \$28.00, not to exceed \$7,000 a year, and that the Town Council will receive monthly invoices. President Spinks stated that Mrs. Alyea is an asset to the Town.

Reach Alert – Clerk-Treasurer Uzelac stated that this is the same company who supplies Red Code, and this system is for non-emergency information. On motion of Councilman Albright, seconded by Councilman Spagnola, and duly carried 5-0, this matter was tabled and will be discussed at a workshop.

Write Off Utility Account – Clerk-Treasurer Uzelac informed the Council that the homeowner passed away and notice was served on his son. The house sold before a lien was placed upon the property. Councilman Albright stated that a lien could be placed on the property, or a claim could be filed in the estate. Attorney Galvan said the estate claim period is 90 days and any claim could be barred, and the debt follows the deceased. The amount due is \$231.46. On motion of Councilman Albright, seconded by Councilwoman Grdinich and duly carried 5-0, this matter was tabled until next month.

DEPARTMENT REPORTS

Public Works – The Public Works report is attached to these minutes and made a part hereof.

HRC – No report.

Police Department – The Police Department report is attached to these minutes and made a part hereof. Councilman Albright asked is there was any rollover in Personal Days or Sick Days. Marshal Noel stated that there were no carryovers.

Parks Department – No report.

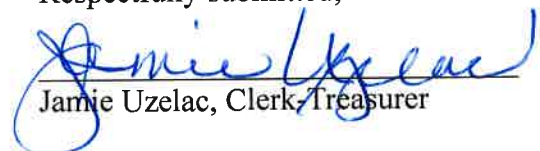
Building Department – No report.

Attorney Report – No report.

Announcements – President Spinks reported that Park Ridge has twenty-four homes started, nine completed, seven sold, and two ready to be moved into. Going very well. President Spinks wished the High School Basketball Team good luck at PCC, thanked Public Works for the repair on the main break, and thanked the Community for sending the Council and Clerk-Treasurer to school.

There being nothing more before the Council, on motion of Councilwoman Grdinich, seconded by Councilman Albright, and duly carried 5-0, the meeting was adjourned.

Respectfully submitted,


Jamie Uzelac, Clerk/Treasurer

Approved:

John Spinks, Jr., President



ORDINANCE NO. 2024-1-23

An Ordinance of the Town Council of the Town of Hebron, Indiana Amending the Municipal Code For the Town of Hebron

Whereas, the order of business of the Town Council (“Council”) of the Town of Hebron (“Town”) has been established by ordinance and codified in the Municipal Code for the Town of Hebron, Indiana; and

Whereas, the current Council is desirous of changing the width of the streets within a subdivision;

NOW, THEREFORE, BE IT ORDAINED by the Town Council of the Town of Hebron, Indiana:

Section 1. Appendix A-Land Use. Article III. Chapter 4. Section 2-3-4-2. - Street improvements of the Municipal Code for the Town of Hebron is hereby amended by the addition of the language which is underlined and the deletion of the language which is stricken through, as follows:

Section 2-3-4-2. - Street improvements. Streets and other public ways shall be classified in one of four traffic classes, and the following shall be considered the minimum dimensions unless otherwise noted.

TABLE 1

EXPAND

Traffic Class	Width (Including Right-of-Way)	Width (of Paved Surface)
Alleys, driveways	20 ft.	10—20 ft.
Light residential	60 ft.	24 ft.
Feeder streets, subdivision mains and some light industrial	80 ft.	30 ft.
High volume mains and medium industrial	100 ft.	36 ft.

TABLE 1

EXPAND

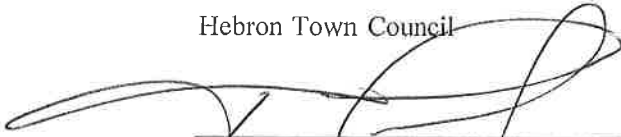
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High volume mains and medium industrial	100 ft.	36 ft.

Section 2. All prior ordinances or parts thereof, inconsistent with any provisions of this Ordinance are hereby repealed, to the extent of each inconsistency only, as of the effective date of this Ordinance.

Section 3. This Ordinance shall be in full force and effect, from and after, the date of its passage and such publication as required by law.

Adopted by the Hebron Town Council this 19 day of December 2023.

Hebron Town Council



John Spinks, Jr., President




~~Todd Adamczyk, Councilman~~



Sharron Spagnola



Tammy Gerlach, Councilman

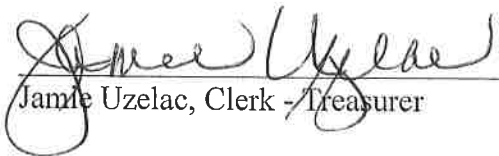


Mike Wallace, Councilman



Justin Albright, Councilman

ATTEST:



Jamie Uzelac, Clerk - Treasurer



**Town of Hebron
Report of Operations
Prepared By: Randy Decker
December 2023**

WATER PLANT

- We continue to get communication failure alarms from the south tower. We have logged several hours in answering these alarms as well as trying to fix the problem. We are working with MB Controls and are now waiting on AT&T sim cards to try.
- We received the South Tower inspection from Dixon Engineering. We have passed this on to Wessler for the upcoming tower projects.

WATER DISTRIBUTION

- Hydrants #150, #65 and #114 are out-of-service. These are Traverse City hydrants which are obsolete. As of now, the plan for funding to replace them will be to wait for grants.
- Abonmarche has completed the Town's map of possible lead lines for the new Lead Service Line Rule. This is required by the EPA. We will need to verify the map as time allows.
- On December 5, 2023, the Army Corps of Engineers (USACE) conducted its walk-through for the Snake Flats water main replacement project. The design is 100% complete and we should be ready to go to bid in late January or early February 2024.

WASTEWATER

- The OCRA collection system project has been completed. We are scheduling the final walk thru soon to close out this project.
- We have a quote from Flyght to replace the South Lift Station pumps, and we are working with Gasvoda to get a second quote.
- There has been an issue with sewage backing up at 5 Ventnor. We had Metz Sewer run the camera up there lateral and found no structural damage. We had Culy grind the channel down and smooth it out and we will see if this helps.
- Manhole inspections of all the dead ends will continue as time allows.
- The part-time lab tech position still needs to be filled.
- We have a quote from Trojan for a complete replacement of Bank A. This Bank exceeded the run hours and will be replaced in the Spring.
- We are compiling a list of potential customers that might have grease traps. Once we have the list completed, we will send out a survey. This is to make sure we are compliant with the Town's FOG Program (Food, Oils and Grease).

STORM WATER

OLD BUSINESS – No old business.

NEW BUSINESS

- The Sigler/Church Street project will be ready to rebid in February 2024.
- Snake Flats Drainage: Wessler was able to give the water line CAD drawing to Abonmarche – This should speed up design.
- Bob and I are working with Chip and Sarah to update the Town’s Drainage Standards.

STREETS

- The 2023 Park Post Inspection is attached.
- Interviews will take place on January 11th for the Street Sup. position.
- The Vac-truck was dropped off for repair and should be done soon.
- The part-time plow driver list has been finalized.
- All Christmas lights have been put up.
- I am working with Matt Kiser on the 2024 CCMG application.
- Limb pickup has been completed for the month.
- The Work Order Monthly Report is attached.

SUBDIVISION

- The Meyers pump for the temporary fix of Monroe Lift Station has been ordered.
- The lift station start-up is complete. We are just waiting for the O&M manuals.
- We have completed 18 tap inspections for Park Ridge.
- The Culy contract has been signed for the offsite manhole repairs. The Developer will pay \$11,484 of the contract and the Town will pay the remaining balance.

OTHER PROJECTS

- Project Ribeye - Agreement is complete and we need to update the Sewer Use Ordinance.
- Taco Bell is complete, inspected, and added to the GIS.
- Water Towers - The goal is to be ready to apply for SRF funding in April 2024.

COMPLETED WORK ORDERS

Water/Sewer – 55	Locates – 61
Drainage – 6	Code Enforcement – 0
Streets – 5	Parks – 0

COMP TIME

Dustin Lindsay – 37.5
Jami Norris – 34.25
Kevin Pierce – 11.5
Coit Dolhover – 8.5

Town of Hebron - Operational Summary

Wastewater Treatment Plant - Influent

2023	Flow			BOD		TSS		Ammonia		
	Total Gallons	Max. Daily	Min. Daily	Monthly Avg.	mg/l	#'s	mg/l	#'s	mg/l	#'s
January	9,991,300	760,000	240,000	323,300	219	551.34	249	650.57	30.4	
February	14,361,200	1,990,000	250,000	512,900	240	1172.7	226	916.46	18.1	
March	18,860,090	1,200,000	370,000	608,390	224	930.68	165	708.3	10.81	
April	12,900,000	1,420,000	240,000	430,000	252	829.44	301	916.71	31.13	
May	7,580,120	360,000	200,000	244,520	242	486.02	296	594.66	32.60	
June	6,321,000	320,000	190,000	210,700	382	660.9	462	798.5	30.83	
July	8,261,500	750,000	200,000	266,500	327	683.86	291	594.31	37	
August	8,750,060	970,000	200,000	282,260	257	514.01	323	633.1	29.29	
September	6,350,100	300,000	180,000	211,670	367	666.51	496	890.23	38.33	
October	11,439,000	970,000	200,000	369,000	313	712.1	402	866.86	32.21	
November	7,530,000	330,000	210,000	251,000	309	642.26	220	455.32	59.31	
December										

Wastewater Treatment Plant - Effluent

2022	Total Gallons	Flow			BOD		TSS		Ammonia	
		Max. Daily	Min. Daily	Monthly Avg.	Monthly Avg.	% Removed	Monthly Avg.	% Removed	Monthly Avg.	% Removed
January	9,170,000	720,000	220,000	295,800	8.3	96.2	12.4	95	.207	99.3
February	13,060,000	1,740,000	230,000	466,400	8.3	96.5	14.1	93.8	.208	98.9
March	18,390,000	1,130,000	350,000	593,230	7.5	96.6	8.1	95.1	.215	98
April	13,270,000	1,370,000	220,000	442,233	3.9	98.4	11.8	96.1	.2	99.4
May	7,170,000	340,000	180,000	231,290	4.8	98.0	9.1	97.1	.2	99.4
June	5,990,000	290,000	160,000	199,700	5.1	98.7	9.8	97.9	.2	99.4
July	8,000,000	720,000	190,000	258,100	4.9	98.5	8.6	97	.2	99.5
August	8,190,000	770,000	196,000	264,190	6.7	97.4	11.4	96.5	.2	99.3
September	5,950,000	290,000	160,000	198,300	6	98.4	7.6	98.5	.2	99.5
October	11,170,000	920,000	257,000	360,300	6.3	98	11.3	97.2	.25	99.2
November	6,960,000	320,000	200,000	232,000	5.3	98.3	8.4	96.2	.315	99.5
December										

Water Treatment Plant

Month Ending	Total Monthly Flow	Maximum Daily Flow	Minimum Daily Flow	Average Daily Flow	Chlorine Usage (pounds.)
01/31/2023	6,135,880	243,640	174,130	204,529	84.8
02/28/2023	5,565,760	247,450	192,390	206,139	79.1
03/31/2023	6,207,370	240,820	191,320	206,912	84.8
04/30/2023	6,649,870	302,370	197,150	229,306	85.7
05/31/2023	7,523,660	329,010	199,590	250,789	103.4
06/30/2023	7,556,070	338,040	209,250	260,554	98.8
07/31/2023	7,281,190	283,770	200,020	242,706	95.5
08/31/2023	7,658,280	299,700	213,720	255,276	102.9
09/30/2023	7,327,560	314,030	211,320	252,674	97.1
10/31/2023	7,342,850	264,400	207,970	244,762	96.3
11/30/2023	6,684,180	306,160	159,670	230,489	85.9
12/31/2023	5,686,920	203,170	158,170	189,564	74.2

Dixon Engineering, Inc.

Maintenance Inspection
100,000 Gallon Spheroid
(South)

Hebron, Indiana

Inspection Performed: October 9, 2023
Reviewed by: Joseph T. Hoban, P.E.: November 22, 2023

Dixon Engineering Inc.
1104 Third Ave. Lake Odessa, MI 48849

Phone (800) 327-1578
Fax (616) 374-7116
<http://www.dixonengineering.net>
dixon@dixonengineering.net

CONCLUSIONS:

1. The exterior coating is a urethane system. The coating is in good condition overall. Coating deterioration includes spot failures to the substrate with rust undercutting, topcoat delamination, and erosion. There are a few coating failures throughout.
2. The wet interior coating is an epoxy system. The coating is in good to fair condition overall. Below the high-water level coating deterioration includes spot failures to the substrate and rust bleedthrough on the sidewall. Above the high-water level coating is deteriorating at the lap seams and rigging couplings.

RECOMMENDATIONS (GENERAL):

Annually inspect the roof vent, hatches, and any other health or security items on the structure. The work could be performed by in-house personnel or contracted as part of a regular maintenance program.

Schedule regular cleanings and inspections of the tank by an independent third party once every five years as recommended by AWWA.

RECOMMENDATIONS (IMMEDIATE WORK TO MEET IDEM REQUIREMENTS):

IDEM may allow some of the required changes to be delayed until the next paint project. These items are listed as immediate work since they are currently out of compliance.

1. Modify the overflow pipe discharge so it points downward and so the air gap is 12 to 24 inches to bring it into compliance with current IDEM requirements. Note that the requirement is for a downward discharge, we have interpreted that to mean vertical. Reinstall a flap gate at the discharge. The estimated cost is \$5,000.
2. Replace the wet interior roof hatch with a 30 inch hatch that has a curb that is 4 inches tall and has a 2 inch lip, and install a gasket on the curb to meet current IDEM requirements. The estimated cost is \$4,000.
3. Install a vandal guard on the exterior ladder to meet current IDEM requirements. The estimated cost is \$3,000.
4. Current IDEM requirements state that the ladder start 12 feet above the ground. If a vandal guard is installed it may be possible that a waiver may be granted for this non-compliance item.
5. Replace the threaded sample tap on the piping with a smooth ended sample tap to meet current IDEM requirements. The work can be performed by in-house personnel.

RECOMMENDATIONS (WITH THE NEXT PAINT PROJECT):

Complete the recommended work in one to two years. The repairs and upgrades should be completed during the next major tank rehabilitation project when coating repairs are made.

1. High pressure water clean and overcoat the exterior with a urethane system. The estimated cost is \$80,000.
2. Recoat the foundations to help prevent deterioration. The cost would be incidental to exterior painting.
3. Backfill soil around the overflow pipe discharge and leg foundation. The work can be performed by in-house personnel.
4. Drill drainage holes in the balcony walkway. The cost would be incidental to exterior painting.
5. Install an opening in the balcony railing for access at the leg ladder. The estimated cost is \$5,000.
6. Rewire the aviation lights. Obtain a quote from a local electrician.
7. Install a fall prevention device on the wet interior ladder. The estimated cost is \$3,000.
8. Adjust the fall prevention device on the exterior leg ladder. The cost would be incidental to the next painting project.
9. Replace the sidewall/roof ladder with a vertical ladder and a step-off platform. The estimated cost is \$15,000.

A DISCUSSION ON RESCUE AND RETRIEVAL OPERATIONS FROM ELEVATED STORAGE TANKS

Working on elevated water storage tanks is inherently dangerous. OSHA regulations give guidelines for climbing on elevated structures. Contractors and Engineers/Consultants are responsible for their own employees, but even with safety training and proper equipment, accidents can occur. Most rescue squads are local or neighboring fire departments, with some departments having more experience than others. Water storage tanks are designed to store water and are not suited for rescue or retrieval convenience. We recommend that you meet with your local rescue personnel and draft a rescue plan. A copy of the plan should be kept at the tank and with the rescue crew.

OSHA does not require 30 inch manways or hatches, but for rescue purposes 30 inch openings would allow enough room for a rescue basket with an injured person on it to pass through. Smaller openings may not be sufficient for retrieval.

Rescue personnel would gain access to the injured person using the existing ladders while attached to fall prevention devices. If possible, the basket would be lowered through the riser and out the opening in the bottom. If needed, the rescue crew would work from the roof inside a handrail. A tripod would be used to attach a winch to the basket. If the basket cannot fit through the riser, then it would need to be raised to the roof.

From the roof it is possible to lower the basket over the side to ground level, but that would require a large winch and increased loading on the attachment point. On a rainy, windy, or snowy day, the objective would be to get rescue personnel off the roof as soon as possible, so lowering through the dry interior is preferred. A helicopter rescue would need to be performed if it is not possible to lower the rescue basket down the dry interior.

Upgrades intended to make a rescue easier are included in this report. Dixon recommends 30 inch manways or hatches where possible and fall prevention devices on all ladders.

COST SUMMARY:

Exterior overcoat	\$80,000
Balcony opening	5,000
Overflow pipe discharge modification	5,000
30 inch wet interior roof hatch	4,000
Fall prevention device	3,000
Roof platform	15,000
Vandal guard	<u>3,000</u>
Sub Total	\$115,000
Engineering and Contingencies	<u>\$23,000</u>
Total	\$138,000

Note: Safety improvements fall prevention devices are optional and can be delayed. The best price for safety improvements would be obtained by including them with the next painting project.

INSPECTION:

On October 9, 2023, Dixon Engineering Inc. performed a maintenance inspection on the 100,000 gallon double ellipse (South) elevated water storage tank owned by the Town of Hebron, Indiana. Purposes of the inspection were to evaluate the interior and exterior coating's performance and life expectancy, assess the condition of metal surfaces and appurtenances, review safety and health aspects, and make budgetary recommendations for continued maintenance of the tank. The inspection was performed from existing ladders and platforms with no special rigging and no disassembly of any items was conducted by the inspector. All recommendations with budgeting estimates for repairs are incorporated in this report.

The inspection was performed by Josh Grover, Engineering Technician. The inspector was assisted by Lane Tremblay, ROV Operator and Jake Kramer Engineering Technician.

The wet interior inspection was completed with a remotely operated vehicle (ROV). Video of the inspection and still photos are included with this report. No cleaning was performed in the wet interior during the ROV inspection.

GENERAL INFORMATION:

The tank was built in 1974 with an estimated height to low-water level of 100 feet.

CONDITIONS AND RECOMMENDATIONS:

EXTERIOR COATING CONDITIONS:

Information on file with DIXON indicates that the exterior was last painted in 2006. The exterior was abrasive blast cleaned to a SSPC-SP6 commercial condition. The coating applied was a urethane system. The coating is in good to fair condition overall.

The coating is beginning to chalk and fade and there is loss of gloss. Surfaces have faded due to exposure to ultraviolet light which is a normal occurrence for an exterior coating system.

The riser and leg coating are in fair condition with a few failures. Primary methods of deterioration are spot failures to the substrate with rust undercutting and erosion.

The bowl coating is in good condition with a few failures. Primary methods of deterioration are spot failures to the substrate with rust undercutting and erosion. The bowl is covered with light mildew growth.

The coating on the top of the balcony and sidewall are in good condition with a few areas of erosion. There is lettering stating "HEBRON" on the sidewall in one location. There is a hawk logo on the sidewall in one location.

The roof coating is in fair condition with a few failures. Primary methods of deterioration are spot failures to the substrate with rust undercutting, delaminated topcoat, and erosion.

Good adhesion was noted on the ASTM X-cut test areas. If overcoating is not performed within the next three years, additional adhesion testing should be performed.

EXTERIOR COATING RECOMMENDATIONS:

Budget for overcoating in one to two years. The typical overcoat frequency for modern urethane systems is fifteen years. There is always a risk in overcoating the exterior, but we have had several successful projects when performed in the time noted. The risk of poor adhesion of the overcoat system gets higher as the existing system gets older. If not overcoated in the time noted, it is possible total abrasive blast cleaning with containment may be required which will cost over twice that of overcoating. Current adhesion showed the existing coating would support an additional coating system.

The recommended procedure is to high pressure water clean (5,000-10,000 psi) the exterior to remove any poorly adhered coating and any contaminants. Coating failures to the substrate would be spot power tool cleaned to a bare metal (SSPC-SP11) condition. All sharp edges would be feathered into the surrounding coating.

The coating system would consist of a spot prime coat on the bare metal, a full coat of epoxy, and followed by two full coats of urethane. The urethane system offers excellent abrasion resistance with high gloss and sheen retention. The life expectancy of this system is fifteen years. The tank would be removed from service during the coating project. This is necessary to reduce condensation on the tank's surface. Urethane coatings have a minimum temperature requirement for application and are sensitive to moisture during the curing process. If moisture is present during the curing process, the appearance will become cloudy with little or no gloss. The estimated cost is \$80,000.

WET INTERIOR COATING CONDITIONS:

Information on file with DIXON indicated the wet interior was last painted in 2006. The wet interior was abrasive blast cleaned to a SSPC-SP10 near-white condition. The coating applied was an epoxy system.

The roof coating is in good condition with just a few failures. Primary methods of deterioration are spot failures to the substrate with rust undercutting and rust bleedthrough. There are minor coating failures on the roof panels but most of deterioration is along the lap seams and at the roof rigging couplings. The roof contains lap seams that have started to corrode and there is rust streaking. The presence of corrosion in the lap seams is not a concern but should be monitored during future inspections for additional corrosion growth.

The sidewall coating is in fair condition with a few failures. Primary methods of deterioration are spot failures to the substrate and rust bleedthrough. Most of the coating failures are at the spider rod connections. There is no significant coating damage at the high-water level which would be the area most affected by ice movement.

The bowl was covered with sediment that limited the amount of surface visible with the ROV.

The riser was not inspected because the ROV cannot fit past the grate.

The surfaces below the normal operating water level are covered with mineral staining which does not affect the integrity of the coating system.

There was pitting prior to the application of the previous coating system on the sidewall.

WET INTERIOR COATING RECOMMENDATIONS:

The existing coating system has not deteriorated to the point where replacement is warranted. Reinspect in five years to update conditions and recommendations.

CATHODIC PROTECTION CONDITIONS:

There is no cathodic protection system in the wet interior.

PIT PIPING CONDITIONS:

There is a pit adjacent to the tank that contains piping and valves. The pit has a metal hatch that is in good condition. The piping is in good condition. The coating on the piping is in fair condition with general surface corrosion.

FOUNDATION AND ANCHOR BOLT CONDITIONS:

The exposed concrete foundations are in good condition with no significant deterioration. The exposed foundations are coated. The coating is in fair condition with some erosion.

There are anchor bolts evenly spaced around the riser and anchor bolts on each leg. The anchor bolts are in good condition with no deterioration.

FOUNDATION AND ANCHOR BOLT RECOMMENDATIONS:

Recoat the exposed concrete with an epoxy coating system to help prevent deterioration. The cost would be incidental to exterior painting.

GROUT CONDITIONS:

The grout between the steel baseplates and the concrete foundations is in good condition with none damaged or missing.

BALCONY CONDITIONS:

The exterior balcony is a walkway with a railing that surrounds the sidewall. The balcony is in good condition overall. The balcony is 24 inches wide with a 38 inch high handrail. The handrail consists of crossbucks and a kick plate at the balcony floor. The balcony and railing do not conform to current OSHA requirements. The railing height is undersized.

The balcony does not contain enough drainage holes and there is evidence of water ponding on the walkway.

There is not an opening in the balcony railing for leg ladder access. Personnel are required to climb from the ladder over the railing to access the balcony walkway.

BALCONY RECOMMENDATIONS:

Disclaimer:

OSHA currently requires railings to be 42 inches tall. Unless we feel balconies are unsafe, it is our opinion that if the balconies were built to code at the time of construction including the railing height and style, they do not require replacement. Codes can change regularly making compliance expensive and impractical. However, it is our responsibility to inform you of this possible deficiency.

Drill holes in the balcony to drain water and prevent water from ponding on the top of the balcony. The cost would be incidental to exterior painting.

Install an opening at the balcony railing at the leg ladder connection and install a swing gate. The opening allows the climber to transition from the ladder to the balcony without climbing over the railing. The estimated cost is \$5,000.

ROOF HANDRAIL, PAINTER'S RAILING, AND ROOF RIGGING CONDITIONS:

There is a handrail on the roof surrounding the roof hatches and the vent. The handrail is in good condition. The handrail is being used for antenna mounting. There is a painter's railing that surrounds the roof handrail. The painter's railing is in good condition.

There are roof rigging couplings for fall prevention lines and staging lines during wet interior coating work.

LIGHTING/ELECTRIC COMPONENT CONDITIONS:

The tank has a double aviation light on the roof that appears to be in good condition. There is a photocell on a leg that will switch the lights on when it is dark outside. It could not be determined if the lights are operational. The photocell wires have been cut.

LIGHTING/ELECTRIC COMPONENT RECOMMENDATIONS:

Rewire the aviation lights. Obtain a quote from a local electrician.

ANTENNA CONDITIONS:

There are nine roof antennas and miscellaneous antenna equipment attached to the handrail. There are five antennas and miscellaneous antenna equipment attached to balcony railing. The antenna cable routing is in good condition and does not interfere with climbing or tank operations.

SWAY ROD/BOWL SAFETY CONDITIONS:

There are sway rods and struts that connect between the legs. The rods are intended to keep the legs in alignment and are equipped with turnbuckles for adjusting tension. The sway rods and struts are in good condition. Because of the inaccessibility of the upper sway rods the tension could not be determined at every bay. However, based on the accessible bay at ground level it appears that the rods are in proper tension as designed.

There are riser tie rods that extend from each leg to the riser. The rods are bolted to welded lugs on the riser. The rods help keep the legs and riser in alignment. The riser tie rods are in good condition.

There are enough rigging couplings under the bowl for fall prevention line attachments during exterior coating.

OVERFLOW PIPE CONDITIONS:

The overflow pipe exits the upper sidewall, extends along the sidewall, through the balcony, and down along a leg to ground level. The overflow pipe discharge is at an angle. The end of the pipe is equipped with a screened flap gate that is in good condition. The pipe discharges to the ground. There is soil erosion around the leg foundation at the discharge. The air gap does not meet the required 12 to 24 inches.

OVERFLOW PIPE RECOMMENDATIONS:

Modify the overflow pipe discharge so it points downward and so the air gap is 12 to 24 inches to bring it into compliance with current IDEM requirements. Note that the requirement is for a downward discharge, we have interpreted that to mean vertical. Reinstall the flap gate at the discharge. The estimated cost is \$5,000.

HATCH AND MANWAY CONDITIONS:

There is a 24 inch square roof hatch to the wet interior that is in good condition. The hinged cover is in good condition. There is no handhold next to the hatch to aid the climber while entering and exiting the opening. The hatch was not secured. The hatch neck curb height does not meet the minimum height requirement of 4 inches. The hatch cover lip meets the minimum height requirement of 2 inches. There was no gasket on the hatch. Dixon attempted to install a gasket, but the cover would not close with the gasket installed.

There is a 36 inch diameter manway in the riser to the wet interior that is in good condition. The manway gasket showed no signs of leakage and the bolts are in good condition.

HATCH AND MANWAY RECOMMENDATIONS:

Replace the wet interior roof hatch with a 30 inch hatch that has a curb that is 4 inches tall, has a 2 inch lip, and install a gasket on the curb to meet current IDEM requirements. The estimated cost is \$4,000.

VENT CONDITIONS:

The roof vent is a pressure vacuum design that is in good condition. The pressure vacuum plate was found to be properly aligned. There is a large external screen intended to keep birds out and a smaller mesh screen on the interior intended to keep insects out. The screens are in good condition. There is a rain shield over the outer screen.

LADDER CONDITIONS:

The exterior leg ladder starts approximately 10 feet above the ground and extends up to the balcony. The ladder does not meet OSHA size requirements. The leg ladder is a rail-type fall prevention device. The top 20 feet of the fall prevention device is installed upside down. There is no vandal guard on the leg ladder.

There is a fixed sidewall/roof ladder that follows the curve of the roof to the center near the vent. The ladder is in good condition. The ladder does not meet OSHA size requirements. The ladder is equipped with a rail-type fall prevention device that is in good condition.

There is a wet interior ladder from the roof to the bowl that appears to be in good condition. The ladder does not meet OSHA size requirements. The ladder is not equipped with a fall prevention device that was not used during the ROV inspection.

LADDER RECOMMENDATIONS:

Disclaimer:

Unless DIXON feels ladders are unsafe, it is our opinion that if they were built to code at the time of construction, they do not require replacement. The code changed three times in the late 80's and early 90's and it seems excessive to replace ladders each time. However, it is our responsibility to inform you of this possible deficiency.

Adjust the fall prevention device on the exterior leg ladder. The cost would be incidental to the next painting project.

Replace the roof/sidewall ladder with a vertical sidewall ladder that runs up to a step-off platform. The platform would have a handrail that would extend around the roof hatch.

The step-off platform and railing will provide a safer working area at the roof hatch. The estimated cost is \$15,000.

Install a fall prevention device on the wet interior ladder. The estimated cost is \$3,000.

Install a vandal guard on the exterior ladder to meet current IDEM requirements. The estimated cost is \$3,000.

Current IDEM requirements state that the ladder start 12 feet above the ground. If a vandal guard is installed it may be possible that a waiver may be granted for this non-compliance item.

FILL/DRAW PIPE CONDITIONS:

The fill/draw pipe stubs in the bottom of the riser and could not be inspected with the ROV.

There is a sample tap on the piping located in the pit. The tap has a threaded end and faces downward.

There is a threaded coupling on the piping for future attachment of a chemical feed line.

FILL/DRAW PIPE RECOMMENDATIONS:

Replace the threaded sample tap on the fill/draw pipe with a smooth ended sample tap to meet current IDEM requirements. The work can be performed by in-house personnel.

WET INTERIOR SAFETY CONDITIONS:

There is a grate over the riser opening that is in good condition. There is a hinged section on the grate for access. The hinged section appears to be in good condition.

WET INTERIOR METAL CONDITIONS:

The steel structure is in good condition overall. No pitting was observed at the coating failures on the sidewall.

There are spider rods at the high-water level that extend from the sidewall to an angle bull ring in the center. The ring and spider rods are in good condition.

DIXON ENGINEERING, INC.
STEEL TANK FIELD INSPECTION REPORT
LEGGED TANK

DATE: October 9, 2023

OWNER: Town of Hebron
 CLIENT CODE: 14-64-03-02
 TANK NAME: south Tank
 LOCATION: Address: 134 N. Main Street
 City: Hebron
 State: Indiana
 TANK SIZE: Capacity: 100,000 gallons
 Tank diameter: 30 feet (measured)
 Bottom (LWL): 100 feet (count rungs)
 Sidewall height from the balcony to top of wall: 8 feet
 CONSTRUCTION: Welded
 Type: Double ellipse
 YEAR CONSTRUCTED: 1974
 MANUFACTURER: Unknown
 USE: Potable water and fire protection
 Coating information below is from: Dixon specifications/project

COATING HISTORY	<u>EXTERIOR</u>	<u>WET INTERIOR</u>
YEAR COATED	<u>2006</u>	<u>2006</u>
CONTRACTOR	<u>Horizon Brothers</u>	<u>Horizon Brothers</u>
SYSTEM	<u>Urethane</u>	<u>Epoxy</u>
SURFACE PREPARATION	<u>SSPC-SP6</u>	<u>SSPC-SP10</u>
MANUFACTURER	<u>Tnemec</u>	<u>Tnemec</u>
HEAVY METAL COATING SAMPLES	<u>No</u>	<u>No</u>
HEAVY METAL BEARING	<u>No</u>	<u>No</u>

PERSONNEL: Lead inspector Josh Grover, ROV operator Lane Tremblay
 Crew member Jake Kramer
 METHOD OF INSPECTION: ROV

SITE CONDITIONS

Fenced: **Yes**
Site large enough for contractor's equipment: **Yes**
Control building: **No**
Antenna control site: **Yes**
 Number: **1**
 Type: **Platform**
 Location: **Adjacent to the tank**
 Would antenna sites interfere with containment: **Yes**
Power lines within 50 feet: **Yes (estimated distance 40 feet)**
 Are power lines attached to the structure: **Yes**
 Would power lines interfere with containment: **Yes**
Site drainage: **Away from the tank**
Indications of underground leakage: **No**
Vegetation, tree, etc. encroachment: **No**
Site comments: **Some of the trees are getting close to the tank (within 5-10 feet)**

EXPOSED PIPING

Location: **Adjacent to the tank (in the pit)**
Condition of structure: **Good**
 Structure is: **Dry**
 Sump pump present: **Yes**
 Drain line present: **No**
Cover condition: **Good**
 Locked: **No**
Pipe coating condition: **Fair**
Describe coating: **Spot coating failures to substrate, rust bleedthrough**
Condition of metal: **Good**

FOUNDATION

Riser:

Foundation exposed: **Yes**
Exposed height: **2-4 inches**
Exposed foundation condition: **Good**
Damage or deterioration: **No**
Foundation coated: **Yes**
 Coating condition: **Fair**
Type of baseplate gap filler: **Grout**
 Condition: **Good**
 Amount missing: **0 feet**

FOUNDATION

Undermining of foundation: **No**

Riser foundation comments: **There is coating delamination on the foundation**

Legs:

Foundations exposed: **Yes**

Exposed height: **0-11 inches**

Exposed foundation condition: **Good**

Damage or deterioration: **No**

Foundation coated: **Yes**

Coating condition: **Fair to poor**

Type of baseplate gap filler: **Grout**

Condition: **Good**

Amount missing: **0 feet**

Undermining of foundation: **No**

Leg foundation comments: **There is coating delamination on the foundation**

EXTERIOR COATING

Adhesion Testing:

Location	Result (0A-5A)	Heat Used
Leg	<u>5A</u>	<u>No</u>
Leg	<u>5A</u>	<u>No</u>
Riser	<u>4A</u>	<u>No</u>
Sidewall	<u>4A</u>	<u>No</u>
Roof	<u>3A</u>	<u>No</u>
Roof	<u>3A</u>	<u>No</u>

Legs:

Number: **4**

Type: **Tubular**

Dimensions: **20 inches**

Topcoat condition: **Fair**

Previous system condition: **Fair**

Describe coating: **Erosion, spot coating failures to substrate, rust undercutting**

Dry film thickness: **13-21 mils**

Metal condition: **Good**

EXTERIOR COATING

Leg comments: **There are approximately twenty spot coating failures that are ½ inch diameter or less, spot coating failures on lower legs, baseplate, and anchor bolts**

Riser:

Type: **Wet**

Diameter: **48 inches**

Topcoat condition: **Fair**

Previous system condition: **Fair**

Describe coating: **Erosion, spot coating failures to substrate, rust undercutting**

Mildew growth: **Yes**

Dry film thickness: **15-20 mils**

Metal condition: **Good**

Bottom shell steel thickness: **0.291 inch**

Riser comments: **There approximately fifteen spot coating failures that are 2-3 inch diameter and the rest are ¼-½ inch diameter**

Bowl:

Topcoat condition: **Good**

Previous system condition: **Good**

Describe coating: **Erosion, spot coating failures to substrate, rust undercutting**

Mildew growth: **Yes, light**

Metal condition: **Good**

Bowl comments: **There are approximately ten small spot coating failures**

Sidewall:

Lettering: **Yes**

Number: **1**

Lettering content: **HEBRON**

Logo: **Yes**

Number: **1**

Describe logo: **Hawk**

Topcoat condition: **Good**

Previous system condition: **Good**

Describe coating: **Erosion**

Dry film thickness: **7-16 mils**

Metal condition: **Good**

EXTERIOR COATING

Roof:

Topcoat condition: Fair

Previous system condition: Good

Describe coating: Erosion, delaminating, spot coating failures to substrate, rust undercutting

Dry film thickness: 10-17 mils

Metal condition: Good

Roof comments: There are large coating failures at the handrail kick plates that are 4-6 inch diameter. There are approximately twenty spot coating failures that are ¼ inch diameter and approximately forty areas of delamination that are ¼ inch diameter

EXTERIOR APPURTENANCES

Riser Manway:

Size: 36 inches

Cover attachment: Davit arm

Metal condition: Good

Anchor Bolts:

Number of bolts per leg: 2

Diameter: 1 ¼ inches

Metal condition: Good

Number of riser bolts: 8

Diameter: 1 inch

Metal condition: Good

Overflow Pipe:

Diameter: 4 inches

Metal condition: Good

Discharge orientation: Angle

Screen condition: Good

Percent of screen open: 100

Mesh size: 24

Flap gate: Yes, screened

Condition: Good

Air gap: Yes

Lowest part of discharge to the ground distance: 36 inches

Height to elbow: 44 inches

Overflow discharges to: Ground

Condition: Good

EXTERIOR APPURTENANCES

Overflow comments: **The ground has eroded at the overflow discharge area**

Sample Tap:

Location: **In the pit**

Pipe diameter greater than ¼ inch: **Yes**

12 inches or more above the floor: **Yes**

Down turned: **Yes**

Smooth end: **No – it's threaded**

In heated room: **No**

Condition: **Good**

Sample tap comments: **Unknown if the tap is used**

Threaded Coupling (for chemical feed on the piping):

Location: **In the pit**

Condition: **Good**

Leg Ladder:

Height to start of ladder: **10 feet**

Toe clearance: **7 inches or greater**

Width of rungs: **Less than 16 inches**

Thickness of rungs: **5/8 inch**

Shape of rungs: **Diamond**

Metal condition: **Good**

Fall prevention device: **Yes**

Type: **Rail**

Function properly: **Yes**

Cage: **No**

Vandal guard: **No**

Step off platform: **No**

Ladder comments: **There is remnants of an old vandal guard. The hinged section is still mounted. The top 20 feet of the fall prevention device is installed upside down (not safe)**

Struts and Rods:

Number of bays: **3**

Sway rod metal condition: **Good**

Loose rods: **No**

Number of loose rods: **0**

Strut metal condition: **Good**

EXTERIOR APPURTENANCES

Riser tie rod metal condition: **Good**

Connection to riser: **Welded lugs**

Bowl Rigging Couplings:

Number: **8**

Balcony:

Balcony width: **24 inches**

Railing height: **38 inches**

Midrail style: **Cross bucks**

Kickplate height: **3 inches**

Vertical post type: **Angle**

Size: **2 x 2 inches**

Top rail type: **Angle**

Size: **2 x 2 inches**

Cross bucks type: **Plate**

Size: **1/4 x 1 1/2 inches**

Opening for ladder access: **No**

Coating condition: **Good**

Describe coating: **Erosion**

Metal condition: **Good**

Evidence of water ponding: **Yes**

Antennas:

Roof number: **9**

Attached to: **Handrail**

Balcony number: **5**

Attached to: **Railing**

Cable runs: **Along the balcony railing**

Leg number: **0**

Antenna or cable interference: **No**

Sidewall Ladder:

Design: **Fixed**

Metal condition: **Good**

Toe clearance: **7 inches or greater**

Width of rungs: **Less than 16 inches**

Thickness of rungs: **5/8 inch**

Shape of rungs: **Round**

Fall prevention device: **Yes**

EXTERIOR APPURTENANCES

Type: **Rail**

Function properly: **Yes**

Cage: **No**

Step-off Platform:

N/A

Roof Ladder:

Continuation of the sidewall ladder

Roof Handrail:

Diameter: **16 feet**

Height: **42 inches**

Midrail height: **24 inches**

Kick plate height: **4 inches**

Vertical post type: **Angle**

Size: **2 ½ x 2 ½ inches**

Top rail type: **Angle**

Size: **2 ½ x 2 ½ inches**

Midrail type: **Angle**

Size: **2 ½ x 2 ½ inches**

Metal condition: **Good**

Painter's Railing:

Diameter: **18 feet**

Butt welds at supports: **Yes**

Metal condition: **Good**

Roof Rigging Points:

Number: **5**

Couplings covered: **Yes**

Covered with: **Plugs**

Metal condition: **Good**

Wet Interior Roof Hatch:

Neck size: **24 inches**

Distance from center of the tank (to outer edge): **8 feet 6 inches**

Shape: **Square**

Handhold at opening: **No**

Curb height: **3 inches**

EXTERIOR APPURTENANCES

Cover overlap: **2 inches**

Gasket on cover/neck curb: **No (Dixon attempted to install a gasket but the cover wouldn't close with gasket installed)**

Hatch security: **None**

Metal condition: **Good**

Bolted Ventilation Hatch:

N/A

Roof Vent:

Number: **1**

Distance from center of the tank (to outer edge): **0 feet**

Type: **Pressure vacuum**

Neck diameter: **16 inches**

Flange opening diameter: **30 inches**

Vertical expanded metal condition: **Good**

Interior screen condition: **Good**

Mesh size: **24**

Rain shield: **Yes**

Pressure plate condition: **Good**

Plate free to move: **Yes**

Plate screened: **No**

Height of the lowest opening above the roof: **19 inches**

Metal condition: **Good**

Aviation Lights:

Design: **Double red**

Location: **Handrail**

Functioning: **Unknown**

Globe condition: **Good**

Photoelectric cell: **Yes**

Location: **Leg**

Aviation light comments: **The cables to the photo cell are cut**

Antennas:

Roof number: **9**

Attached to: **Handrail**

Balcony number: **5**

Antenna or cables interference: **No**

Antenna comments: **Cables routed along balcony railing**

EXTERIOR APPURTENANCES

Electric Conduit:

Electrical conduit condition: **Good**

Exposed wiring: **Yes**

Location: **Leg**

Electrical comments: **There are two abandoned conduits**

WET INTERIOR COATING

Roof:

Topcoat condition: **Good**

Primer coating condition: **Good**

Describe coating: **Spot coating failures to substrate, rust undercutting, rust bleedthrough**

Metal condition: **Good**

Lap seams: **Open**

Condition of lap seams: **Good**

Roof comments: **There are a few coating failures on the couplings and seams**

Sidewall:

Topcoat condition: **Fair**

Primer coating condition: **Fair**

Describe coating: **Spot coating failures to substrate, rust bleedthrough**

Mineral deposits: **Light**

Metal condition: **Good**

Active pitting: **No**

Previous pitting: **Yes**

Sidewall comments: **Most of the coating failures are at the spider rod connections**

Tank Bottom:

Completely covered in sediment, not completely inspected with the ROV

Type: **Bowl**

WET INTERIOR APPURTENANCES

Ladder:

Location: **Roof to bowl**

Toe clearance: **7 inches or greater**

Width of rungs: **Less than 16 inches**

Thickness of rungs: **5/8 inch**

WET INTERIOR APPURTENANCES

Shape of rungs: **Round**
Shape of side rails: **Flat**
Connection at roof: **Bolted**
Condition: **Good**
Metal condition: **Good**
Fall prevention device: **No**

Cathodic Protection:

N/A
Clips: **Yes**
Pressure fitting: **No**
Location of clips: **Sidewalls**

Roof Stiffeners:

N/A

Sidewall Stiffeners:

N/A

Overflow Pipe Inlet:

Type: **Funnel**
Metal condition: **Good**

Spider Rods:

Coating condition: **Good**
Metal condition: **Good**
Spider comments: **The rods and bull ring are below the current water level with several coating failures**

Fill/Draw Pipe (could not inspect with ROV)

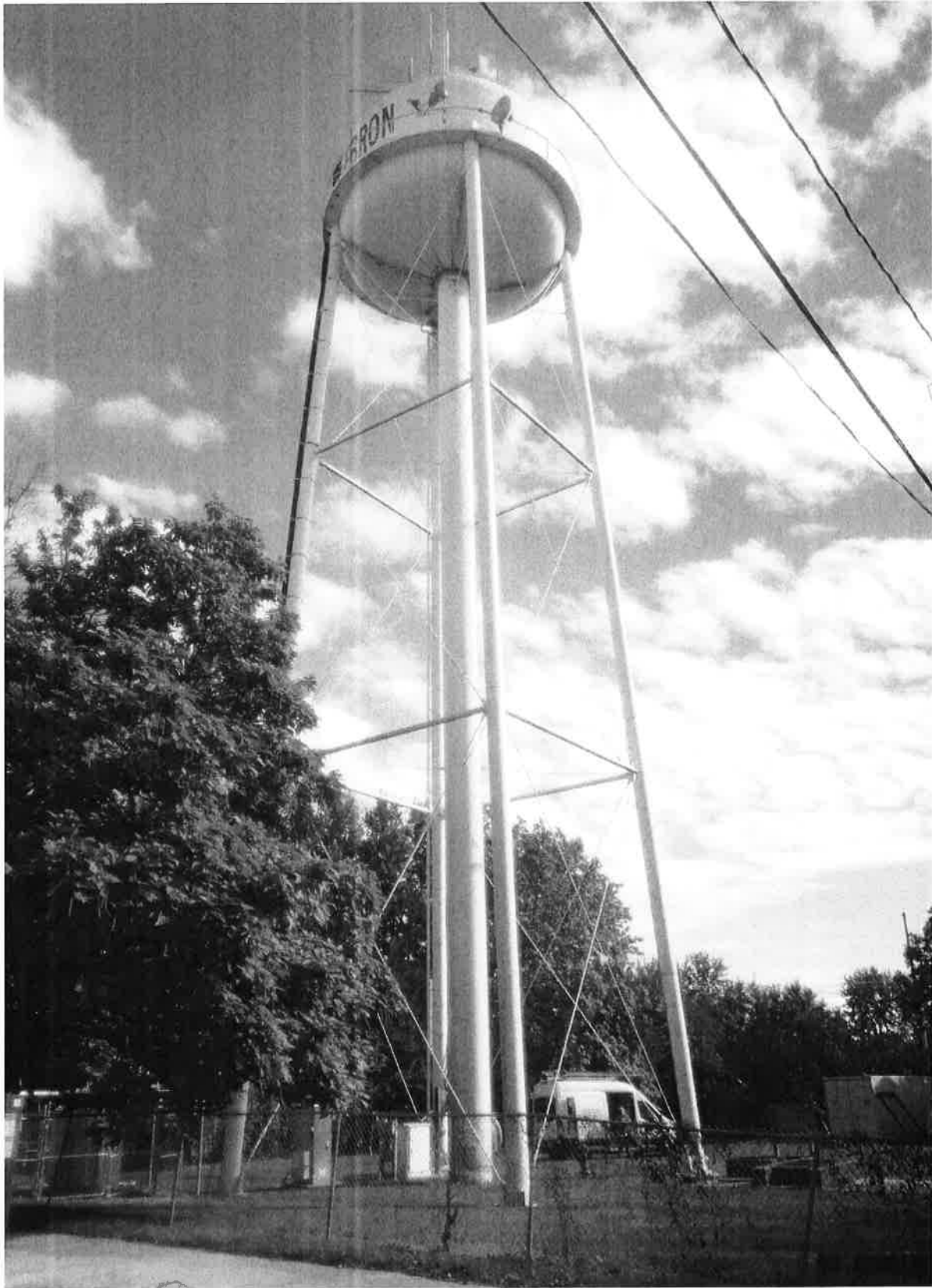
Mixer:

N/A

Riser Safety:

Riser grate: **Yes**
Access opening size: **24 x 24 inches**
Opening covered: **Yes**
Metal condition: **Good**

Field Inspection Report is prepared from the contractor's viewpoint. It contains information the contractor needs to prepare his bid for any repair or recoating. The engineer uses it to prepare the engineering report. Cost estimates are more accurate if the contractor's problems can be anticipated. While prepared from the contractor's viewpoint, the only intended beneficiary is the owner. These reports are completed with diligence, but the accuracy is not guaranteed. The contractor is still advised to visit the site.



100,000 gallon double ellipse (South) elevated water storage tank owned by the Town of Hebron, Indiana.

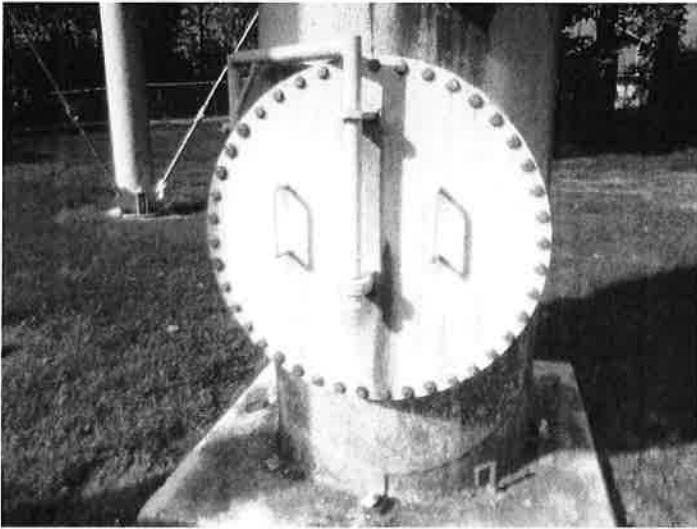


1) The concrete riser foundation is in good condition with no significant deterioration.

2) The grout between the steel baseplate and the concrete foundation on the riser is intact.

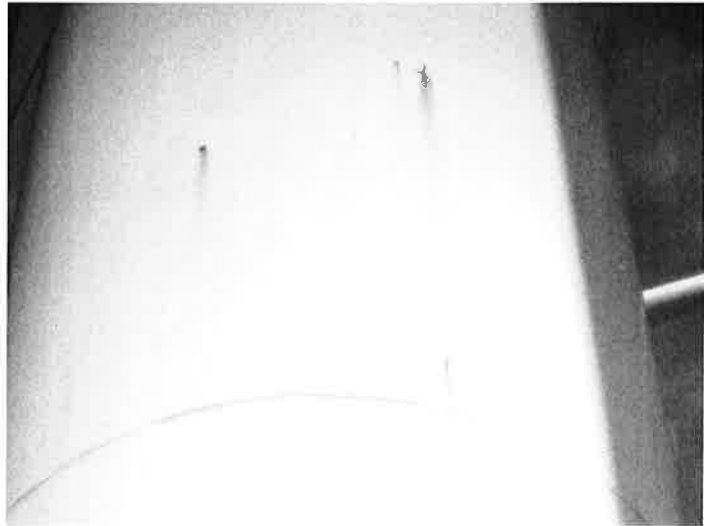


3) The riser anchor bolts are in good condition.

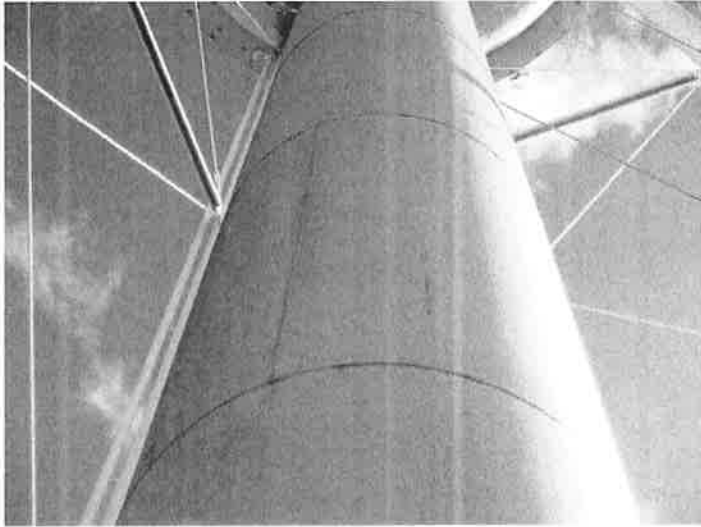


4) The riser manway is in good condition.

5) There are a few coating failures on the riser.

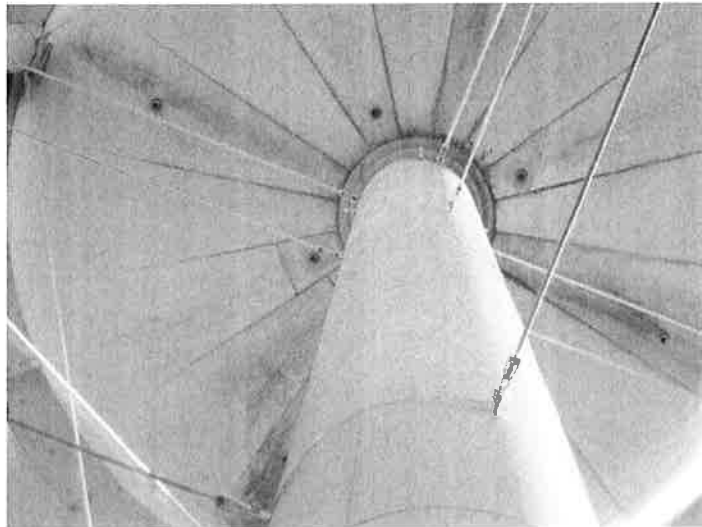


6) Same.



7) The riser coating is in fair condition overall.

8) The riser tie rods are in good condition.

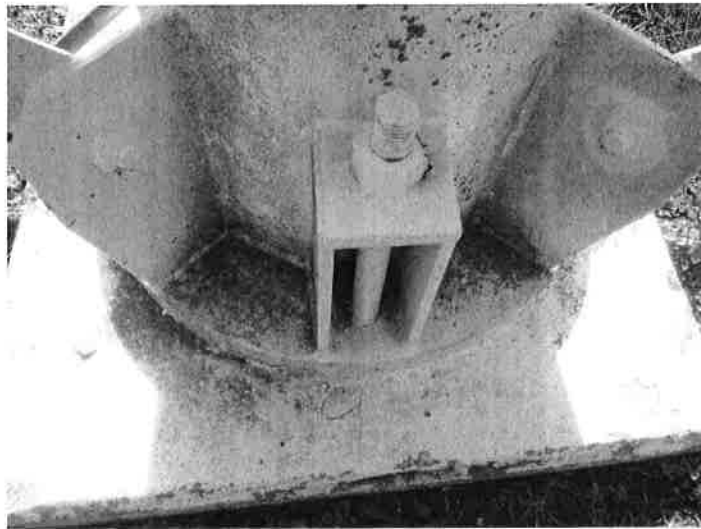


9) The concrete leg foundations are in good condition with no significant deterioration.

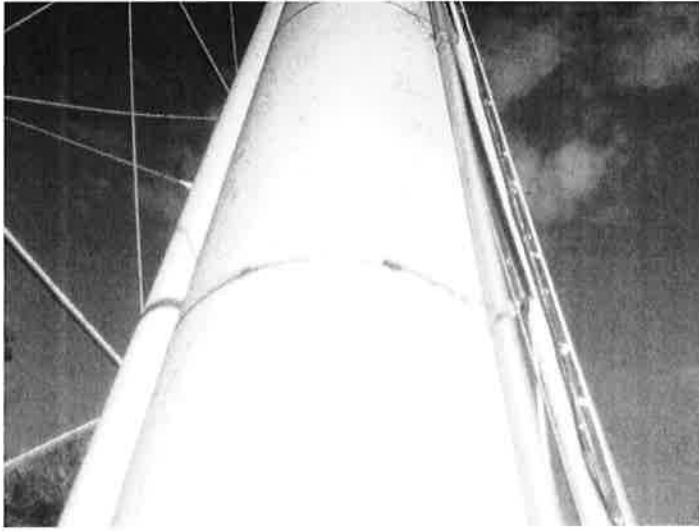


10) The grout between the steel leg baseplates and concrete foundations is intact.

11) The leg anchor bolts are in good condition.

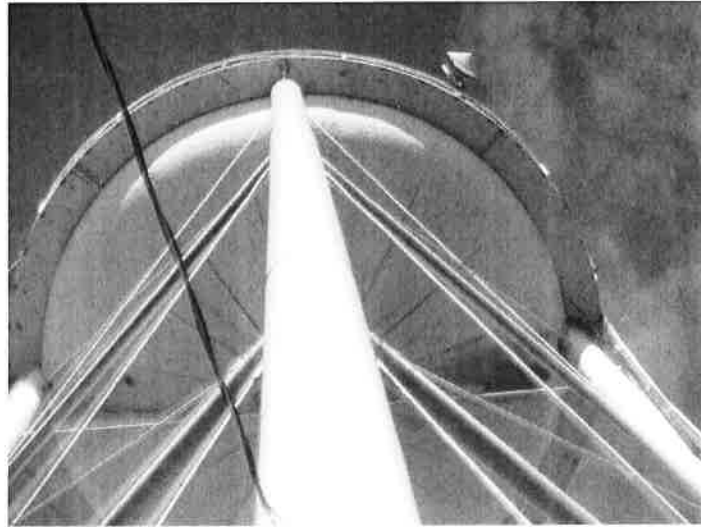


12) There are a few coating failures on the legs.

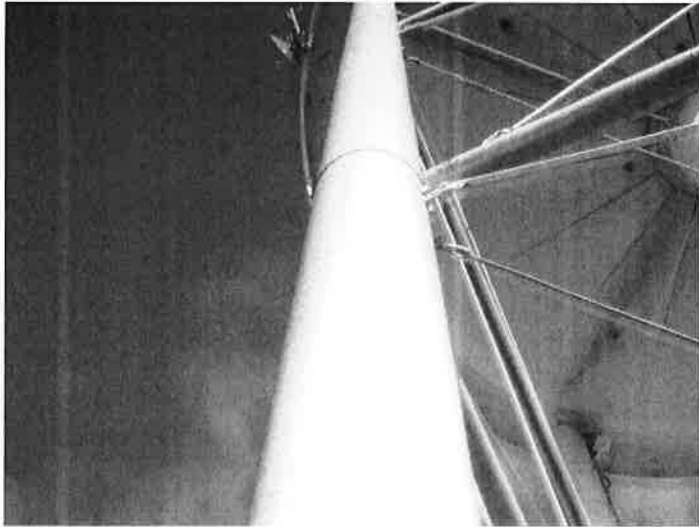


13) Same.

14) The leg coating is in fair condition overall.

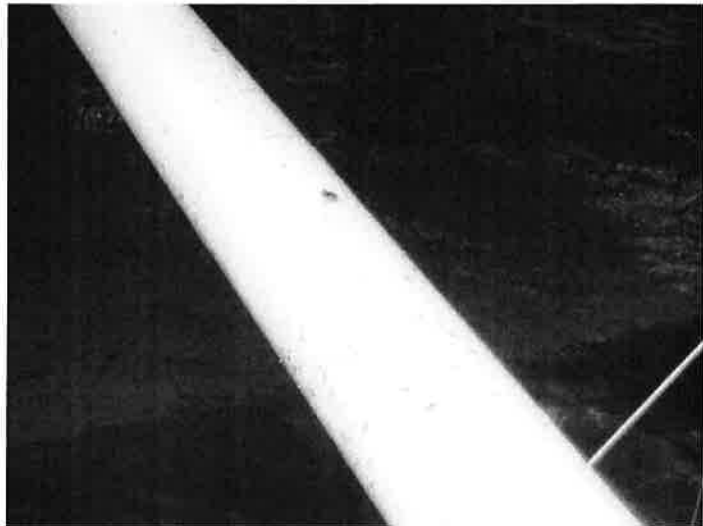


15) Same.



16) Same.

17) There are a few coating failures on the struts.

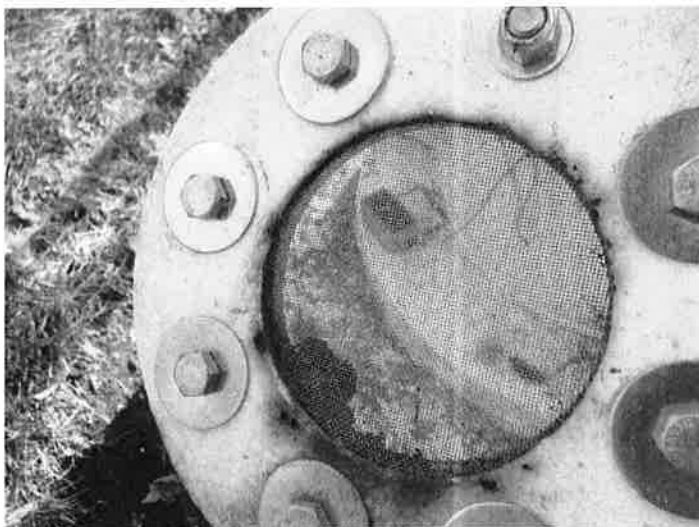


18) The sway rods are in good condition.



19) The overflow pipe discharges to the ground.

20) There is soil erosion around the leg foundation at the overflow pipe discharge.

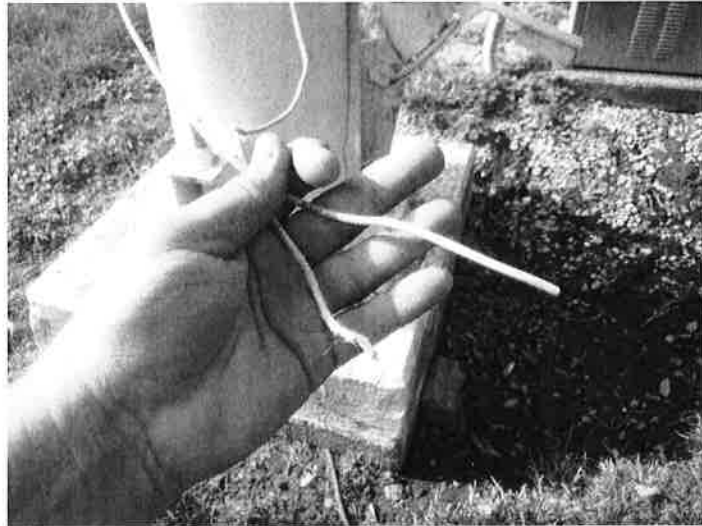


21) The screened flap gate at the overflow pipe discharge is intact.



22) The photoelectric cell for the aviation light is mounted on a leg.

23) The wires for the photoelectric cell have been cut.

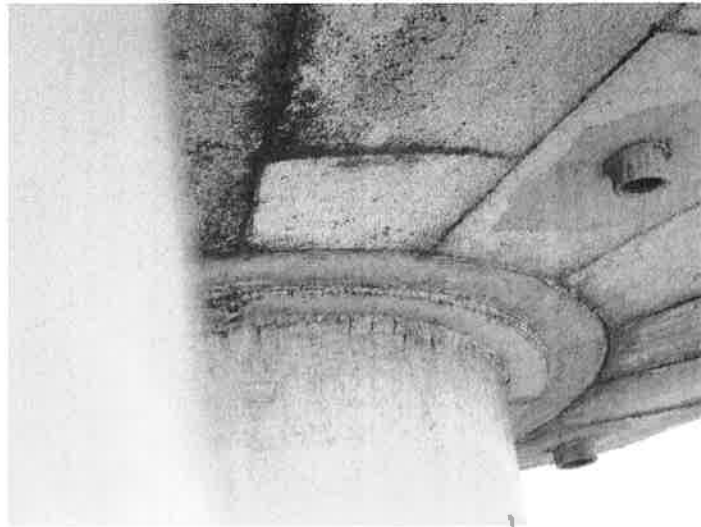


24) There is no vandal guard on the leg ladder.

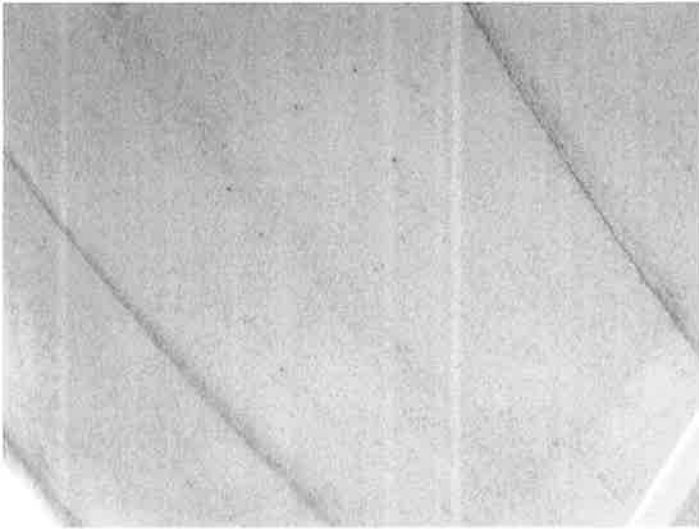


25) The leg ladder is in good condition. The ladder is equipped with a fall prevention device. The top 20 feet of the fall prevention device is install upside down.

26) There are a few coating failures on the bowl.



27) The bowl coating is in good condition overall.

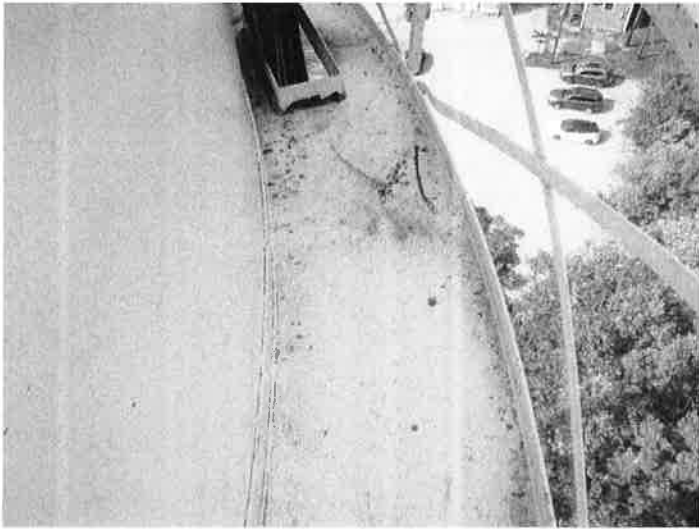


28) Same.

29) There is no opening in the balcony railing at the top of the leg ladder.

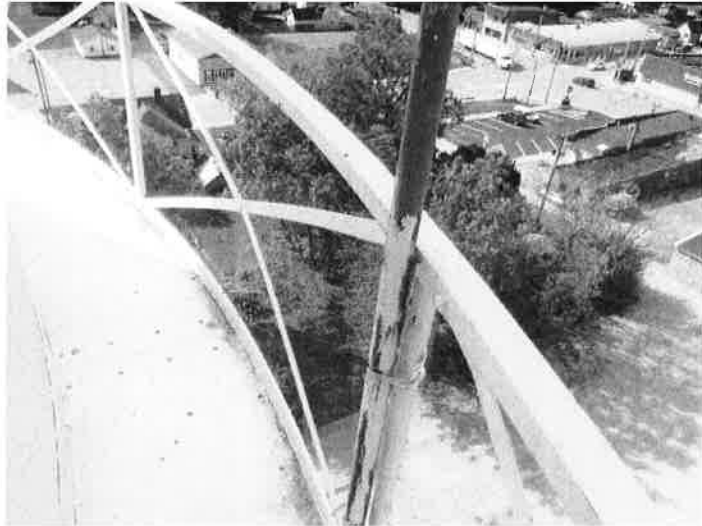


30) There is evidence of water ponding on the balcony.



31) The balcony coating is in good condition overall with areas of minor erosion.

32) Same.



33) Same.

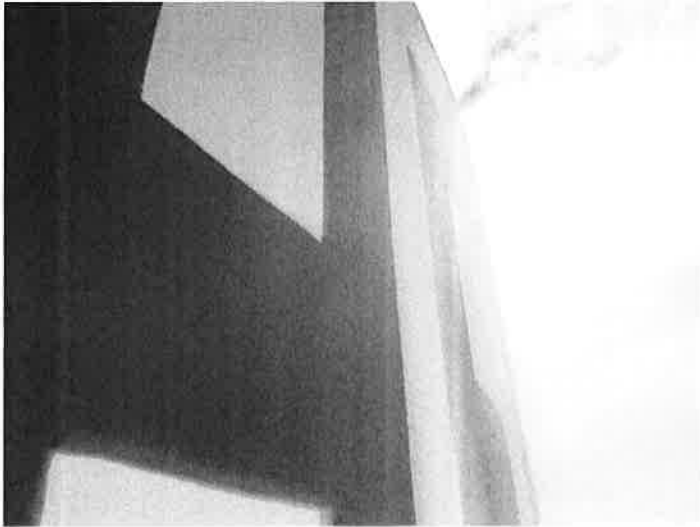


34) The sidewall coating is in good condition overall with a few areas of minor erosion.

35) Same.



36) Same.



37) Same.

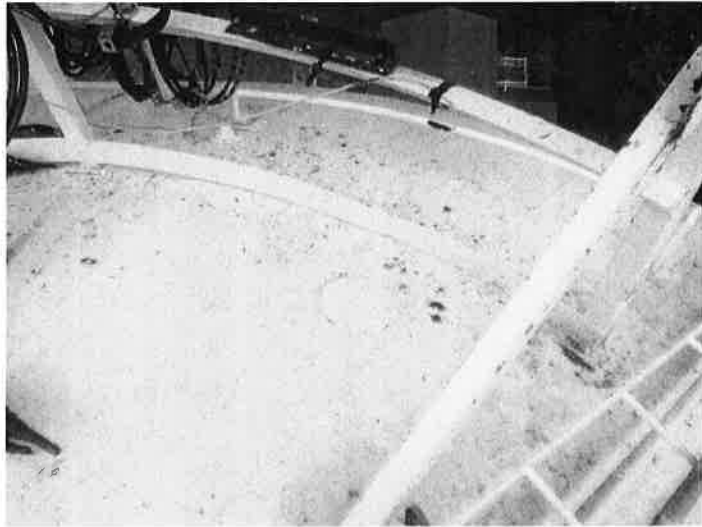
38) The sidewall/roof ladder is in good condition. The ladder is equipped with a fall prevention device.



39) There are a few coating failures on the roof.



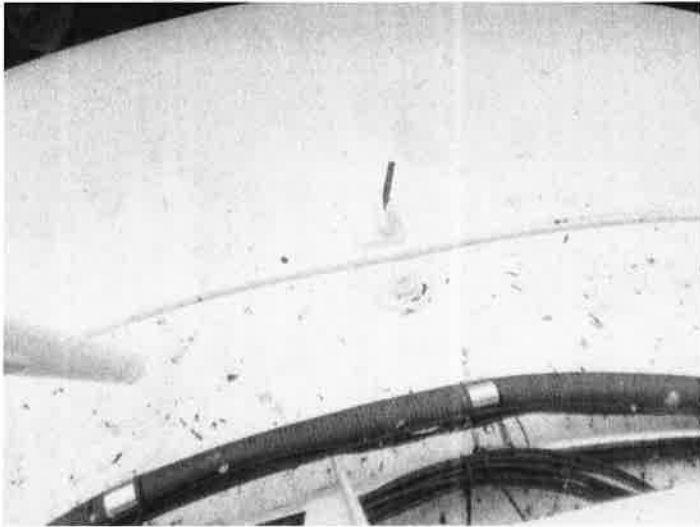
40) Same.



41) Same.

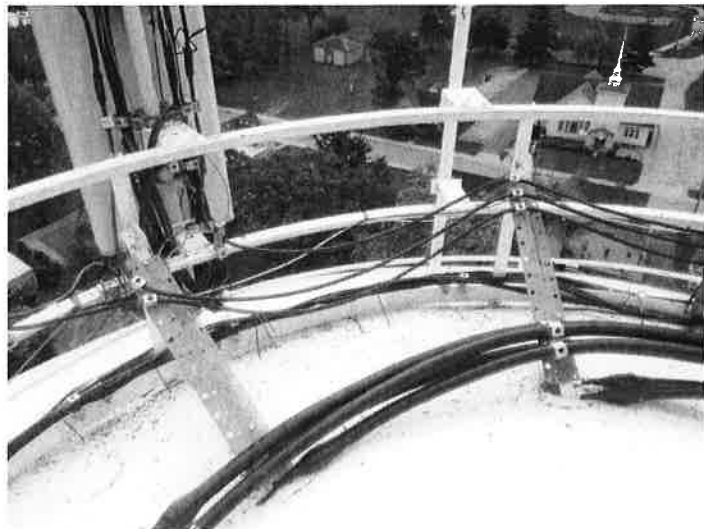


42) The roof coating is in fair condition overall.

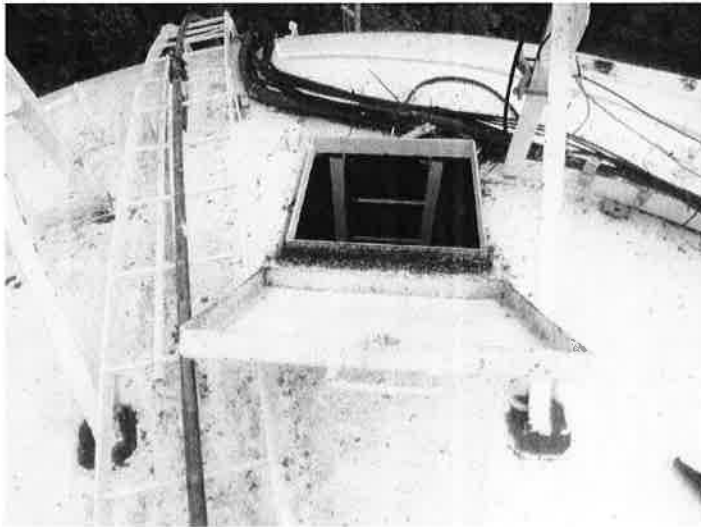


43) The painter's railing on the roof is in good condition.

44) The roof handrail is in good condition.

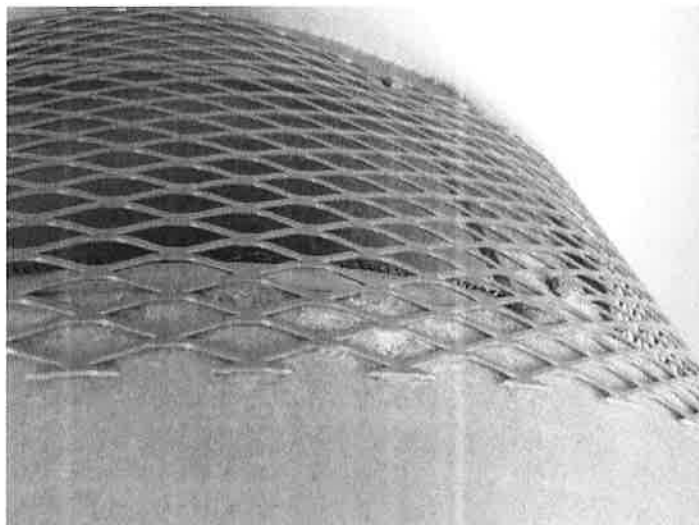


45) The roof rigging couplings are properly capped.

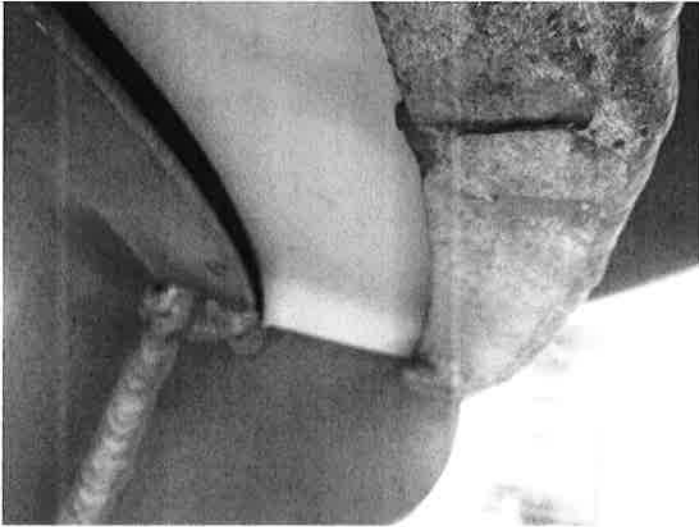


46) There is no gasket on the wet interior roof hatch. Dixon attempted to install a gasket, but the cover would not close with the gasket installed.

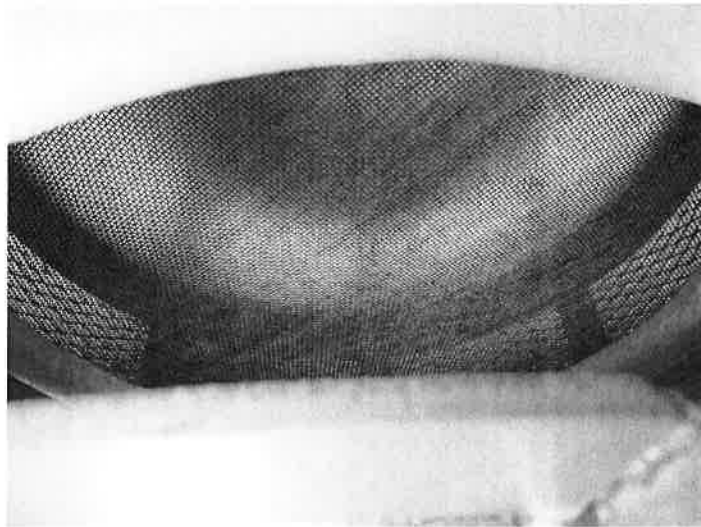
47) The roof vent is in good condition.



48) The external roof vent screen is intact.



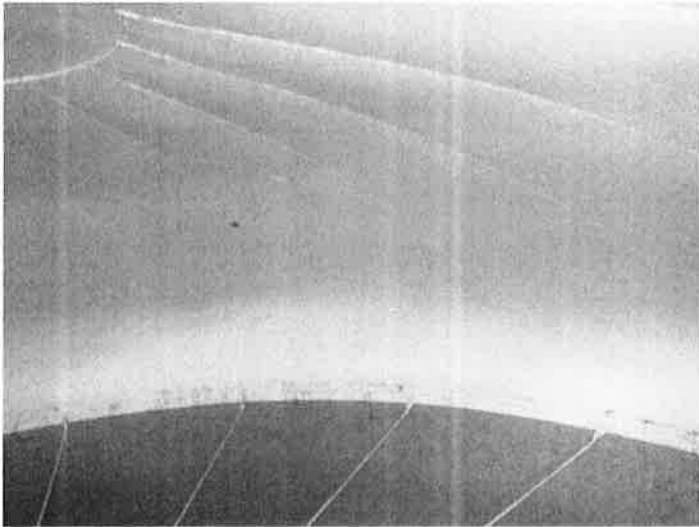
49) The roof vent pressure plate was found to be properly aligned.



50) The interior roof vent screen is in good condition.

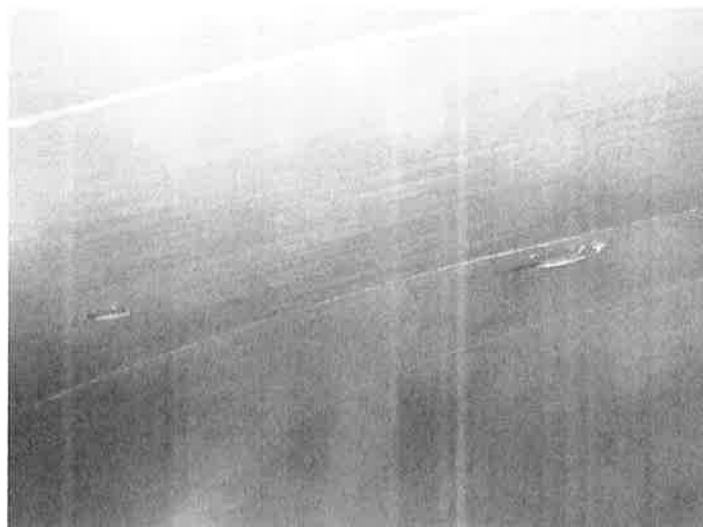
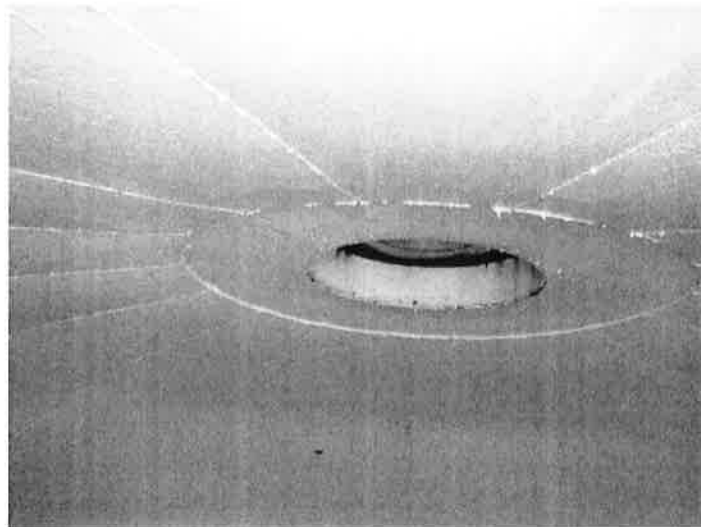


51) The double aviation light appears to be in good condition.

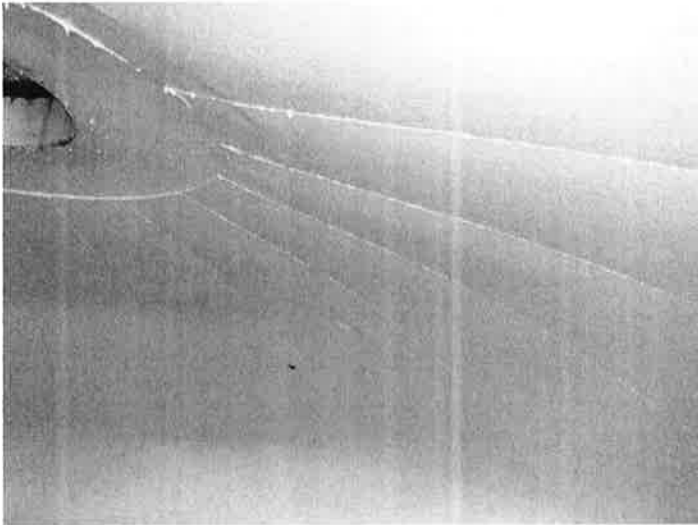


52) There are a few coating failures at the lap seams and rigging couplings on the wet interior roof.

53) The wet interior roof coating is in good condition overall.

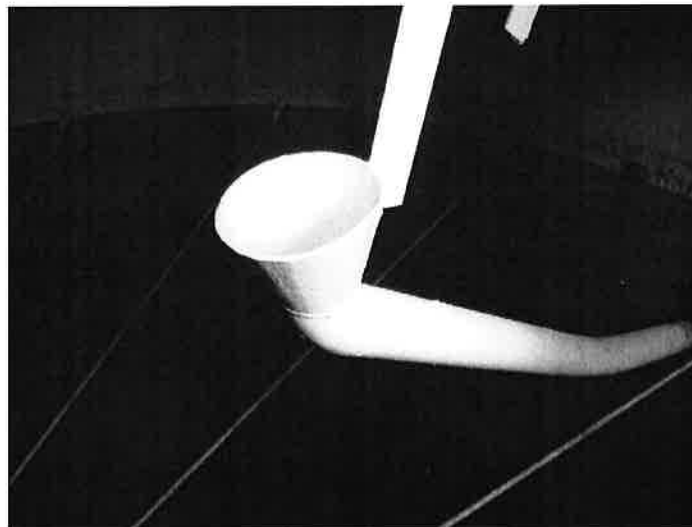


54) Same.



55) Same.

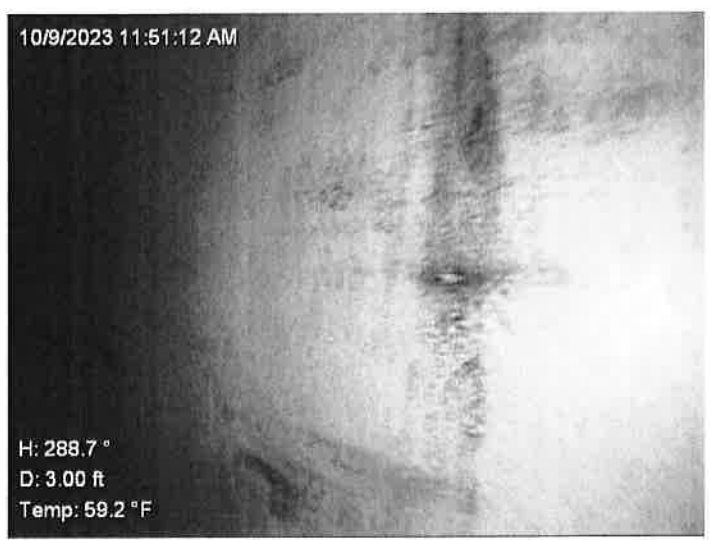
56) The overflow pipe funnel in the wet interior is in good condition.



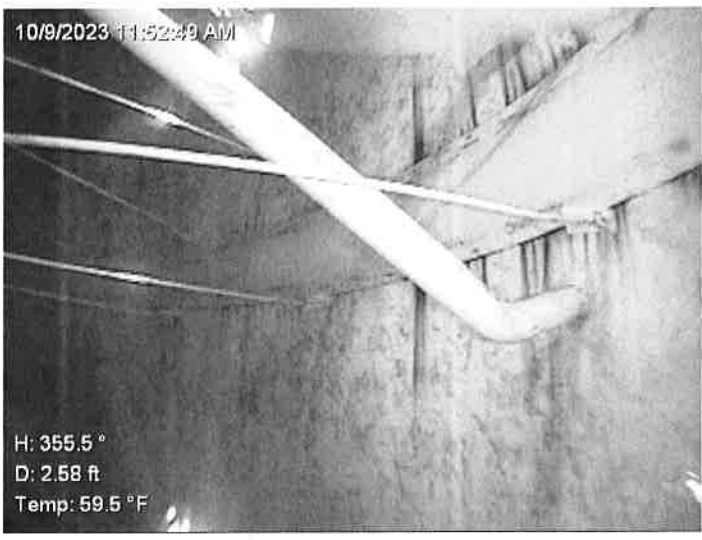
57) There are a few coating failures on the wet interior sidewall.



58) Same.



59) Same.

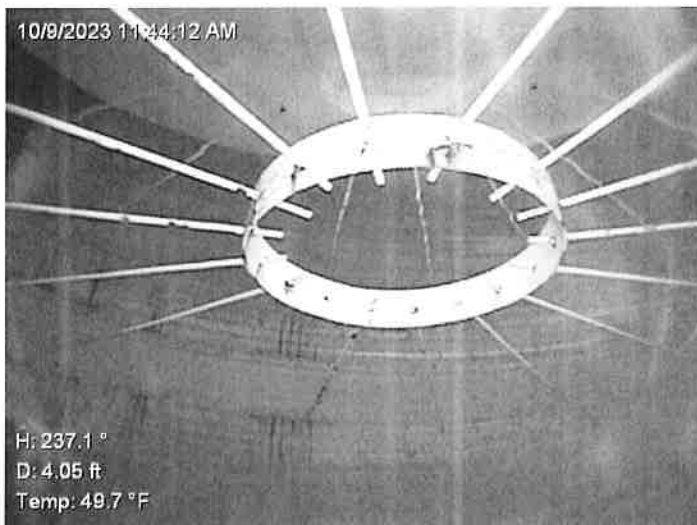


60) Same.



61) The wet interior sidewall coating is in fair condition overall.

62) Same.



63) There are coating failures on the spider rods and bull ring.



64) The wet interior ladder appears to be in good condition. The ladder is not equipped with a fall prevention device.

65) The bowl is covered with sediment that limited the amount of surface visible with the ROV.



66) The grate over the riser in the wet interior is in good condition.



67) The metal hatch over the pit is in good condition.

68) There is general surface corrosion on the pit piping.



69) Same.



Parks Department
Inspection Report
 Document 221213

Park Name: Alyea Memorial Park

Date: 10/31/2023

	Equipment	Notes
1	Slide, Free Standing	Good condition
2	Benches	Good condition
3	Basketball Hoops	Rust on metal parts, backboard cracked rim is bent. (north)
4	See-Saw, Teeter- Totter	Good condition
5	Swing	Rust on metal parts, needs painted
6	Swing, Toddler	Rust on metal parts, needs painted
7	Pavilions	Cracks in concrete
8	Welcome Sign	Good condition
9	Playground Climbers	Chipped paint and rust spots
10	Gazebo	Needs paint, fascia boards need replaced
11	Fence/ Gates	North fence needs repair

Park Name: Buchanan Park

Date: 10/31/2023

	Equipment	Notes
1	Slide, Spiral	Good condition
2	Swing, Toddler	Rust on metal parts
3	Swing	Rust and needs painted
4	Spinner	Good condition
5	See-Saw, Teeter- Totter	Rust on metal parts
6	Merry-Go-Round	Rust and needs painted
7	Playground Climber	Rust on metal parts
8	Benches	Good condition, needs mulch
9	Spinner	Rust and needs painted
10	Welcome Sign	Good condition. Need new park rules sign.
11	Slide, Free Standing	Needs to be painted
12	Bike Racks	Needs mulch

Park Name: Cohen Park

Date: 10/31/2023

	Equipment	Notes
1	Basketball Hoops	Good condition
2	Picnic Table	Bent
3	Playground Climber	Good condition
4	Welcome Sign	Good condition, needs mulch
5	Bike Racks	Bike racks need mulch
6	Slide, Free Standing	Paint is chipped
7	Swing	Rusted and needs painted
8	Gazebo	Good condition painted 2023
9	Merry-Go-Round	Rusted and needs painted
10	Benches	Has broken board, composite bench

Park Name: Community Center Park

Date: 10/31/2023

	Equipment	Notes
1	Pavilions	Needs to be painted. Electrical needs to be repaired or removed. Fascia boards need repair
2	Picnic Table	Good condition
3	Swing, Toddler	Good condition
4	Playground Climber, Toddler	Good condition. Two alligators and one bench
5	Playground Fence	Gate missing cap. Rails are bent.



Parks Department
Inspection Report
 Document 221213

Park Name: McMillen Park

Date: 10/31/2023

	Equipment	Notes
1	Slide, Spiral	Rusted needs to be restored, graffiti
2	Basketball Hoops	Court has cracks, backboard cracked, need new nets
3	Swing	Rust, concrete base coming out of ground support bars are bent
4	Playground Climber, Toddler	Dinosaur. Good condition
5	See-Saw, Teeter- Totter	Rust on metal parts
6	Pavilions	Needs to be reroofed, new fascia boards, painted
7	Playground Climber	Rust, concrete at base is raising out of ground
8	Benches	Bench needs board replaced
9	Balance Beam	Good condition
10	Welcome Sign	Good condition
11	Playground Climber, Toddler	Pole with steps broken in the ground
12	Slide, Free Standing	Broken bolt, right support bar bent

Park Name: Novreske Memorial Park

Date: 10/31/2023

	Equipment	Notes
1	Slide, Free Standing	Needs Paint
2	Bike Racks	Good condition, needs mulch
3	Benches	Good condition
4	Swing	Small amount of rust
5	Swing, Toddler	Needs to be painted
6	Playground Climber	Good condition
7	Playground Climber, Toddler	Mulch retaining boards needs painted
8	Welcome Sign	Needs to be painted
9	Sun Shade	2 sails. 1 sail is ripped
10	Picnic Table	Good condition
11	Merry-Go-Round	Good condition, new 2023

Park Name: Veterans Memorial Trail

Date: _____

	Equipment	Notes
1	Trash Receptacle	Good condition
2	Bike Racks	Good condition
3	Benches	Benches on the west side has graffiti.
4	Sun Shade	New good condition, stained 2023
5	Benches	Benches on the east side has graffiti.
6	Trash Receptacle	Good condition

Park Name: Wielgus Memorial Park

Date: 10/31/2023

	Equipment	Notes
1	Benches	Needs painted
2	Welcome Sign	Needs to be replaced
3	Bike Racks	2 bike racks, good condition, needs mulch
4	Picnic Table	Good condition, needs mulch
5	Playground Climber	Good condition
6	Spinner	Needs to be painted
7	Merry-Go-Round	Needs to be painted
8	Swing	Rust, needs painted



Parks Department
Inspection Report
 Document 221213

Park Name: Alyea Memorial Park

Date: 10/31/2023

	Equipment	Notes
1	Slide, Free Standing	Good condition
2	Benches	Good condition
3	Basketball Hoops	Rust on metal parts, backboard cracked rim is bent. (north)
4	See-Saw, Teeter- Totter	Good condition
5	Swing	Rust on metal parts, needs painted
6	Swing, Toddler	Rust on metal parts, needs painted
7	Pavilions	Cracks in concrete
8	Welcome Sign	Good condition
9	Playground Climbers	Chipped paint and rust spots
10	Gazebo	Needs paint, fascia boards need replaced
11	Fence/ Gates	North fence needs repair

Park Name: Buchanan Park

Date: 10/31/2023

	Equipment	Notes
1	Slide, Spiral	Good condition
2	Swing, Toddler	Rust on metal parts
3	Swing	Rust and needs painted
4	Spinner	Good condition
5	See-Saw, Teeter- Totter	Rust on metal parts
6	Merry-Go-Round	Rust and needs painted
7	Playground Climber	Rust on metal parts
8	Benches	Good condition, needs mulch
9	Spinner	Rust and needs painted
10	Welcome Sign	Good condition. Need new park rules sign.
11	Slide, Free Standing	Needs to be painted
12	Bike Racks	Needs mulch

Park Name: Cohen Park

Date: 10/31/2023

	Equipment	Notes
1	Basketball Hoops	Good condition
2	Picnic Table	Bent
3	Playground Climber	Good condition
4	Welcome Sign	Good condition, needs mulch
5	Bike Racks	Bike racks need mulch
6	Slide, Free Standing	Paint is chipped
7	Swing	Rusted and needs painted
8	Gazebo	Good condition painted 2023
9	Merry-Go-Round	Rusted and needs painted
10	Benches	Has broken board, composite bench

Park Name: Community Center Park

Date: 10/31/2023

	Equipment	Notes
1	Pavilions	Needs to be painted. Electrical needs to be repaired or removed. Fascia boards need repair
2	Picnic Table	Good condition
3	Swing, Toddler	Good condition
4	Playground Climber, Toddler	Good condition. Two alligators and one bench
5	Playground Fence	Gate missing cap. Rails are bent.



Parks Department
Inspection Report
 Document 221213

Park Name: McMillen Park

Date: 10/31/2023

	Equipment	Notes
1	Slide, Spiral	Rusted needs to be restored, graffiti
2	Basketball Hoops	Court has cracks, backboard cracked, need new nets
3	Swing	Rust, concrete base coming out of ground support bars are bent
4	Playground Climber, Toddler	Dinosaur. Good condition
5	See-Saw, Teeter- Totter	Rust on metal parts
6	Pavilions	Needs to be reroofed, new fascia boards, painted
7	Playground Climber	Rust, concrete at base is raising out of ground
8	Benches	Bench needs board replaced
9	Balance Beam	Good condition
10	Welcome Sign	Good condition
11	Playground Climber, Toddler	Pole with steps broken in the ground
12	Slide, Free Standing	Broken bolt, right support bar bent

Park Name: Novreske Memorial Park

Date: 10/31/2023

	Equipment	Notes
1	Slide, Free Standing	Needs Paint
2	Bike Racks	Good condition, needs mulch
3	Benches	Good condition
4	Swing	Small amount of rust
5	Swing, Toddler	Needs to be painted
6	Playground Climber	Good condition
7	Playground Climber, Toddler	Mulch retaining boards needs painted
8	Welcome Sign	Needs to be painted
9	Sun Shade	2 sails. 1 sail is ripped
10	Picnic Table	Good condition
11	Merry-Go-Round	Good condition, new 2023

Park Name: Veterans Memorial Trail

Date: _____

	Equipment	Notes
1	Trash Receptacle	Good condition
2	Bike Racks	Good condition
3	Benches	Benches on the west side has graffiti.
4	Sun Shade	New good condition, stained 2023
5	Benches	Benches on the east side has graffiti.
6	Trash Receptacle	Good condition

Park Name: Wielgus Memorial Park

Date: 10/31/2023

	Equipment	Notes
1	Benches	Needs painted
2	Welcome Sign	Needs to be replaced
3	Bike Racks	2 bike racks, good condition, needs mulch
4	Picnic Table	Good condition, needs mulch
5	Playground Climber	Good condition
6	Spinner	Needs to be painted
7	Merry-Go-Round	Needs to be painted
8	Swing	Rust, needs painted



Work Order Report Cost Summary

Document 221205

Hebron Public Works Department

Year: 2023

Month	Work Orders	Employee Cost	Equipment Cost	Material Cost	Inventory Cost	Total
January	110	\$10,790.00	\$4,641.62	\$2,222.65	\$790.74	\$18,445.01
February	93	\$7,636.50	\$3,322.69	\$320.00	\$460.00	\$11,739.19
March	133	\$8,687.50	\$4,282.87	\$492.00		\$13,462.37
April	86	\$5,875.00	\$2,998.39			\$8,873.39
May	142	\$11,398.00	\$8,703.74			\$20,101.74
June	123	\$8,929.00	\$4,843.25	\$85.00	\$436.60	\$14,293.85
July	175	\$12,296.00	\$7,615.56	\$4.00	\$700.00	\$20,615.56
August	138	\$14,605.50	\$19,457.91		\$230.00	\$34,293.41
September	133	\$8,450.00	\$4,847.67	\$920.00	\$502.30	\$14,719.97
October	126	\$3,912.50	\$1,169.60		\$179.55	\$5,261.65
November	101	\$7,180.00	\$2,420.67		\$296.80	\$9,897.47
December	120	\$20,600.00	\$3,118.00	\$159.99	\$699.95	\$24,577.94
Total	1480	\$120,360.00	\$67,421.97	\$4,203.64	\$4,295.94	\$196,281.55

Year To Date Summary

Department	Work Orders	Employee Cost	Equipment Cost	Material Cost	Inventory Cost	Total
Parks	42	\$11,530.00	\$8,624.89	\$4.00		\$20,158.89
Public Works	679	\$26,081.25	\$7,655.55			\$33,736.80
Sewer	41	\$3,851.50	\$13,243.71			\$17,095.21
Storm Water	36	\$8,120.00	\$6,646.77			\$14,766.77
Street	110	\$50,275.50	\$21,687.08	\$3,412.00		\$75,374.58
Water	572	\$20,501.75	\$9,563.97	\$787.65	\$4,295.94	\$35,149.31

Work Orders

Work Type	Work Orders	Employee Cost	Equipment Cost	Material Cost	Inventory Cost	Total
Limb Pick-up	8	\$7,530.50	\$5,767.43			\$13,297.93
Leaf Pick-up	5	\$18,350.00	\$2,941.67			\$21,291.67
Snow Removal	8	\$5,237.50	\$3,142.20	\$2,240.00		\$10,619.70
Pot Hole Repair	10	\$6,650.00	\$3,093.65	\$252.00		\$9,995.65
Data Log	81	\$1,268.50	\$421.20			\$1,689.70
Water Main Break	8	\$8,280.50	\$2,708.82	\$362.00	\$1,531.62	\$12,882.94
Utility Locates	626	\$19,575.00	\$5,465.26			\$25,040.26
Collection System Main.	9	\$336.50	\$212.52			\$549.02
Sewer Back-up	9	\$1,175.00	\$740.79			\$1,915.79
Code Enforcement	1	\$1,350.00	\$280.54			\$1,630.54

Mowing

Parks	20	\$7,715.00	\$6,273.00			\$13,988.00
Storm Water	20	\$5,137.50	\$4,477.80			\$9,615.30
Street	19	\$2,602.50	\$2,223.60			\$4,826.10

Bulk Water Use

Work Type	Work Orders	Employee Cost	Equipment Cost	Water Used Gallons	Total
Water Leak	19	\$275.00	\$98.80	49,087	\$373.80
Pool Fill	26	\$250.00	\$93.60	876,532	\$343.60
Bulk Water Sale	2			5,500	



QUOTATION
QO0009546

TROJAN TECHNOLOGIES
3020 GORE ROAD
LONDON, ON N5V 4T7
CANADA
T. 519-457-3400
www.trojantechnologies.com

Sold to
TOWN OF HEBRON
PO BOX 478
Hebron IN 46341-0478
UNITED STATES

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Town of Hebron
101 Utility Drive
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UNITED STATES

Customer Service Contact: tuvcustomerservice@trojantechnologies.com

Payment Terms : 0% / 00 / 30 net
Delivery Terms :
Carrier/LSP :

Internal Sales Rep : Tarak Aboushahada
Customer No. : 100002584
Reference :
Quote Date : 12-22-2023
Quote Expiry Date : 01-21-2024

Project Line Item Description	Quantity	Price Discount %	EA	Unit Net Price Net Amount	Tax Rate Tax Amount	Amount
10 794447-ORD LAMP P, GA64T6HE ANGLE BASE	40.00	434.50/	EA	434.50 17,380.00	0.00% 0.00	17,380.00
20 316136-004 SLEEVE, QTZ UV3+ 28x25x1958	10.00	601.50/	EA	601.50 6,015.00	0.00% 0.00	6,015.00
30 015239 SLEEVE, SNSR UV3+ 25x28x1832	2.00	182.00/	EA	182.00 364.00	0.00% 0.00	364.00
40 917341-100 LAMP DRIVER KIT,SMD W/PLS EC	2.00	1,150.50/	EA	1,150.50 2,301.00	0.00% 0.00	2,301.00
50 900056 ADAPTOR, PRESSURE RELIEF	4.00	5.00/	EA	5.00 20.00	0.00% 0.00	20.00
60 316509 SEAL KIT, END CAP UV3+	3.00	73.00/	EA	73.00 219.00	0.00% 0.00	219.00
70 327125-180PLGTOP CANISTER ASSY,UV3+ LUG PLG TOP	8.00	92.50/	EA	92.50 740.00	0.00% 0.00	740.00
80 327125-180STDMID CANISTER ASSY,UV3+ LUG STD MID	8.00	92.50/	EA	92.50 740.00	0.00% 0.00	740.00
90 327125-020STDMID CANISTER ASSY, UV3+ LUGANGMID	4.00	92.50/	EA	92.50 370.00	0.00% 0.00	370.00
100 327125-020STDCYL CANISTER ASSY, UV3+ LUGANGCYL	24.00	92.50/	EA	92.50 2,220.00	0.00% 0.00	2,220.00
110 327125-180STDMID CANISTER ASSY,UV3+ LUG STD MID	16.00	92.50/	EA	92.50 1,480.00	0.00% 0.00	1,480.00



QUOTATION
QO0009546

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Project Line Item Description	Quantity	Price Discount %	EA	Unit Net Price Net Amount	Tax Rate Tax Amount	Amount
120 327125-180SNRCYL CANISTER ASSY,UV3+ LUG SNR CYL	1.00	86.00/	EA	86.00 86.00	0.00% 0.00	86.00
130 327125-180SNRMID CANISTER ASSY,UV3+ LUG SNR MID	1.00	86.00/	EA	86.00 86.00	0.00% 0.00	86.00
140 316505-096X LAMPHOLDER, AMLG ANG UV3+ 96"X	5.00	103.50/	EA	103.50 517.50	0.00% 0.00	517.50
150 FREIGHT FREIGHT & HANDLING The freight will be calculated at the order stage.	1.00	/	EA	0.00 0.00	0.00% 0.00	0.00
	Goods	32,538.50	Discount	0.00	Tax Amount	Total USD
	Costs	0.00	Subtotal	32,538.50	0.00	32,538.50



QUOTATION
QO0009546

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Hebron Police Department
Monthly Report
Town Board Meeting
January 23rd, 2023

Police Department Stats December 1st – December 31st, 2023

Officer	Traffic Stops	Citations	Arrest Misd.	Arrest Felony	Calls of Service
December -2023	106	53	10	4	101
November -2023	152	72	8	3	109
October -2023	75	28	9	5	125
September-2023	137	54	11	5	114
August -- 2023	133	62	16	4	106
July -- 2023	186	88	21	5	141
June -- 2023	145	44	9	2	120
May -- 2023	182	78	10	7	144
April -- 2023	130	58	9	3	128
March -- 2023	119	57	2	3	106
February -- 2023	146	59	4	1	93
January -- 2023	69	33	3	1	125
Total -- 2023	1,580	686	112	43	1,412
Total -- 2022	1,686	622	102	29	1,765
Total 2021	1,529	609	69	27	1,423

Hebron Police Department Vehicle Report

January 19th, 2023

Vehicle Number	Officer Assigned	Model & Year	VIN: Number	Current Mileage	Mechanical Issues
1	J. Noel	2021 Ford Explorer	1FM5K8AC7MNA06857	27,820	No Issues
2	S. Sejda	2020 Ford F150	1FTEW1P45LKE44373	50,291	No Issues
3	Pool	2016 Ford Explorer	1FM5K8ARGGA04479	119,119	No Issues
6	Pool	2017 Ford Explorer	1FM5K8ARXHGA35946	100,794	No Issues
9	B. Swaney	2023 Ford Explorer	1FM5K8AB5PGA04802	12,799	No Issues
11	C. Hayworth	2022 Ford Explorer	1FM5K8AB4NGA42695	15,205	No Issues
13	A. Wood	2021 Ford Explorer	1FM5K8ABXMGC41250	33,250	No Issues
16	K. Green	2019 Ford Explorer	1FM5K8AR9KGB44034	61,462	No Issues
15	---	2017 Ford Explorer	1FM5K8AR3HGB94095	110,100	No Issues