

Notice of Public Meeting
Wednesday, August 10, 2022
9:00 a.m.

**HIGHWAY
 &
 FACILITIES
 COMMITTEE**

Door County Government Center
 County Board/Chambers Room (C102), 1st floor
 421 Nebraska Street, Sturgeon Bay, WI

Oversight for: Door County Highway & Cherryland Airport, Facilities & Parks, Historical Museum

1. **Call Meeting to Order**
2. **Establish a Quorum ~ Roll Call**
3. **Adopt Agenda / Properly Noticed**
4. **Approve Minutes** of the July 13, 2022 Highway & Facilities Committee Meeting
5. **Correspondence**
 - ◆ Speed Limit on CTH G
 - ◆ Jennifer Leiberg – Gordon Road Intersection
 - ◆ Hugh Zettel – Gordon Road Intersection (2 correspondences)
 - ◆ Dan Woelfel – Gordon Road Intersection
 - ◆ Snowmobile Grant Award
6. **Public Comment**
7. **New Business (Review / Action)**
 - ◆ **Highway & Solid Waste Division**
 1. Resolution No. 2022-XX Authorization for City Sturgeon Bay as Lead Agency CTH S/S Duluth Ave. Renovation
 2. Highway 42/57 and Gordon Road/CTH BB Intersection
 - ◆ **Museum Division**
 1. 2023 Draft Museum Division Budget - Review/Approve
 2. Review Space Planning of Archives Facility and Site Development Alternatives
 3. Resolution No. 2022-XX Authorization to Proceed with Phase II Door County Archives and Historical Museum Facility
 - ◆ **Parks Division**
 1. Resolution No. 2022 – ___ Revision of Horseshoe Bay Cave Management Plan – Chapter 7: Cave Safety Strategy
 2. Cana Island Project Update
 3. 2023 Parks Division Fee Schedule – Review/Approve
 4. 2022-2023 Storage Fee Schedule
 5. Addition of PIN 0100029262543D (449 Mill Road) to Ahnapee State Trail County Park or Forestville Dam County Park
 6. Invitation to Bid – George K. Pinney Breakwall Repairs
 - ◆ **Facilities Division**
 1. 2023 Draft Facilities & Parks Department Budget - Review/Approve
 2. Facilities & Parks Maintenance Garage Project – Solar Power Research Estimates - Review/Approve/Deny
8. **Sustainability Matters to be Considered**
9. **Legislative Matters to be Considered**
10. **Matters to be Placed on a Future Agenda or Referred to a Committee, Official, or Employee**
11. **Next Meeting Date(s)**
 - Wednesday, September 14, 2022 – 9:00 a.m.
12. **Adjourn**

This meeting will be conducted by teleconference or video conference. Members of the public may join the meeting remotely or in-person.

To attend the meeting via computer:

Please click the link below to join:

<https://us02web.zoom.us/j/81808712206?pwd=ZWg1VzV1c25lRDB4dHVkdjZG1zZz09>

Webinar/Meeting ID: 818 0871 2206
 Passcode: 681191

Or by Phone:

Dial:1-312-626-6799

Deviation from Order Shown May Occur

MINUTES
Wednesday, July 13, 2022

**HIGHWAY
&
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COMMITTEE**

*Door County Government Center
County Board/Chambers Room (C102), 1st floor
421 Nebraska Street, Sturgeon Bay, WI*

Oversight for: Door County Highway & Cherryland Airport, Facilities & Parks, Historical Museum

Call Meeting to Order

The Wednesday, July 13, 2022 meeting was called to order by Chairman Roy Englebert at 9:00 a.m. at the Door County Government Center.

“These minutes have not been reviewed by the oversight committee and are subject to approval at the next regular committee meeting.”

Establish a Quorum

Members present: Roy Englebert, Dan Austad, Alexis Heim Peter, Ken Fisher, Elizabeth Gauger, Walter Kalms, and Todd Thayse.

Others present: Administrator Ken Pabich, Corporation Counsel Sean Donohue, Highway Commissioner Thad Ash, Airport Manager Craig Ross, Facilities & Parks Director Wayne Spritka, Parks Manager Burke Pinney, Finance Director Steve Wipperfurth, Museum Manager Steven Rice, Library Director Dominic Frandrup, Kelly Kueper – Integrity Engineering, and County Clerk Jill Lau.

Public, Staff, and Diana Dorschner and Dawn O’Kroley, Dorschner Associates, Inc., attended virtually.

Adopt Agenda / Properly Noticed

Motion by Austad, seconded by Heim Peter to approve the agenda. Motion carried by voice vote.

Approve Minutes of the June 8, 2022 Highway & Facilities Committee Meeting

Motion by Fisher, seconded by Kalms to approve the minutes of the June 8, 2022 Highway & Facilities Committee Meeting. Motion carried by voice vote.

Correspondence

- Airport Division Report – FYI
- Highway Commissioner Report – FYI
- Thank You Card – 4-H Archery Camp
- Supervisor Fisher reported Maxwellton Braes is working with the DOT to reduce the speed limit to 45 mph on Highway 57 by the golf course

Public Comment

No public comments.

New Business (Review / Action)

Airport Division

Recent Airplane Crash Report

Craig Ross, Airport Manager, reported on the recent plane crash at the airport.

Museum Division

Museum and Archives Facility – Pre-Design Site Review and Phase I (schematic design and design development) Review, Approve

Diana Dorschner and Dawn O’Kroley, Dorschner Associates, Inc., presented a PowerPoint which included the following: Elements in the basis of design; Square footage requirements; Room data; Adjacency of rooms; Analysis of previously completed studies; Guiding principles; Options; and Cost estimates. There may be an option to divide the property for another use while still accomplishing enough room for the Museum and Archives. The next step is to narrow down the concepts. Option 1 estimated cost is \$8M (this incorporates the partial renovation of the Younkens building; Option 2 estimated cost is \$5M and could include selling a portion of the Younkens property; Option 3 estimated cost is \$5M plus the cost to deconstruct the Younkens building and rebuild the back wall of the property. The Committee’s consensus was to eliminate Option 1 and have a possible combination of Option 2 and Option 3, leaving open space. This will move to the full County Board for further review and possible recommendation back to the Committee.

Motion by Austad, seconded by Heim Peter to bring the project forward to the County Board as a presentation and then bring the project back to the Highway & Facilities Committee for final action at the August meeting. Motion carried by voice vote.

Resolution No. 2022-XX Authorization to Proceed with Phase II Door County Archives and Historical Museum Facility

No action taken.

Facility & Parks Maintenance Garage – Phase I (schematic design and design development) Review, Approve

Resolution No. 2022-XX Approval of Design Development Documents Door County Facilities and Parks Maintenance Garage Facility Project – Review, Approve

Kelly Kueper, Integrity Engineering, provided a detailed handout with drawings. Kelly reviewed the needs identified including drive-thru bays, lifts, drains, an office and breakroom. The best path forward would be to add a 2,400 sqft addition and renovate the existing building. The addition and renovation include approximately 1,000 sqft of storage space. A goal will be to aesthetically bring in the colors and materials of the Community Center. Energy efficiency and sustainability will be a focus. The project may provide an opportunity for further sustainable practices by adding solar panels to the building. The cost estimates, based on the design presented, is \$546,000. The addition of solar could be included as an alternate bid to the project. Spritka can also look for incentives available for 2023.

Motion by Heim Peter, seconded by Gauger to approve Phase I and move on to County Board for Phase II approval with the modification to consider solar panels. Administrator Pabich explained some funding has been set aside and other funding has or will be included in the CIP. Motion carried by voice vote.

The Committee recessed at 10:25 a.m. and reconvened at 10:34 a.m.

Highway & Solid Waste Division

Accept and Award of Hot Mix Asphalt Purchase – CTH MM

Accept and Award of Milling – CTH MM

Information included in the meeting packet was reviewed. Highway Commissioner Ash explained the Local Road Improvement Program (LRIP). The County was awarded approximately \$136,000. Ash explained milling is reusing the asphalt; with pulverizing the asphalt remains in place and is reworked.

Motion by Kalms, seconded by Thayse to accept the bids. Motion carried by voice vote.

Motion by Thayse, seconded by Kalms to award the bids to Northeast Asphalt for asphalt purchase and milling. Motion carried by voice vote.

Resolution No. 2022-XX Approval of Funds for Landfill Compliance

Highway Commissioner Ash explained he was notified by the DNR that the landfill has been non-compliant for several years and had been receiving warnings to perform upgrades and repairs. Ash provided a cost estimate of \$25,825 to complete the upgrades and repairs. Funding would come from the Landfill Reserve Account.

Motion by Heim Peter, seconded by Thayse to approve the resolution and pass on to the Finance Committee and County Board. Motion carried by voice vote.

Declaration of Surplus Equipment – 2018 CAT Rubber Tire Roller

Ash explained the roller was acquired in 2018 with the thought that the roller would be used on hot mix asphalt. In using a rubber tire roller on hot asphalt another roller is required which makes the process very pricey. The roller didn't work for the Department as it was initially thought. The roller has not been used by the Department in the last few years. The Department has been renting out the roller to another county. The roller is useful for chip sealing however the department is no longer performing that process and does not plan to begin.

Motion by Austad, seconded by Fisher to declare the 2018 CAT rubber tire roller surplus equipment. The roller may be sold outright or possibly be used as a trade-in when purchasing new equipment. Motion carried by voice vote.

Review of 2021 Unaudited Highway Department Annual Financial Report

The report was included in the meeting packet and was reviewed by Finance Director Wipperfurth.

Motion by Fisher, seconded by Gauger to accept the report as presented. Motion carried by voice vote.

Budget and Operations Report through June 2022

The report was included in the meeting packet and was reviewed.

Parks Division**Canal Island Phase IV- Field Activity Report – Project update**

Facilities & Parks Director Wayne Spritka reviewed the report included in the meeting packet. The project has been fairly smooth; not a lot of problems.

John Miles County Park, Acceptance of Donation – In Memoriam, Lois Schubert-Brown

The Door County Facilities & Parks Department received a generous donation in the amount of \$1,100 to assist in grounds maintenance at John Miles County Park. The donation was specific and used to update aged plantings around the Junior Fair Building, Log Shed, Secretary Office and Cattle barn. With the timeline of the donation and importance to complete and establish plantings before the fair the department completed many of the plantings. The donation would essentially reimburse the account for the work completed.

Motion by Heim Peter, seconded by Thayse to accept the donation. Motion carried by voice vote.

George K. Pinney - County Park 2022 Breakwater Inspection Report - Review/Approve Recommended Actions

Parks Manager Burke Pinney reviewed the Field Inspection Report provided by AECOM staff who made a site visit on April 12, 2022. Cooler-than-average spring temperatures resulted in ice coverage of approximately half of the inner harbor. Several site photographs were collected. AECOM staff made another site visit on May 11, 2022, and performed the breakwater inspection which included collection of survey points. Historic survey point control was found, and new survey control was set. Recommendations included: It appears the armor stones are generally maintaining the integrity of this structure. Void spaces and areas observed during the field inspection should be filled. AECOM recommends a follow-up breakwater survey and inspection to occur in 5 years, or sooner if any physical change in the breakwater becomes apparent during staff site visits.

Motion by Fisher, seconded by Austad to accept the report and authorize Staff to put out a Request for Proposals for recommended repairs. Motion carried by voice vote.

Facilities Division**Invitation to Bid - Government Center Elevator Modernization – Accept/Review/Award**

Two bids were submitted – Otis Elevator Company - \$331,533 and Frank O. Zeise Construction Co, Inc. - \$399,000.

Motion by Austad, seconded by Kalms to accept the bids. Motion carried by voice vote.

Supervisor Heim Peter was excused at 11:12 a.m.

Spritka explained one Bid is considered complete and compliant with the directions of the “Invitation to Bid”. That bid is from Zeise Construction. The second bid from Otis Elevator does not include the full requirements to complete the work as specified within the Invitation to Bid document. Based on the many exclusions from the Otis elevator proposal Spritka recommends to the Highway & Facilities Committee that Zeise Construction be awarded the contract for the elevator modernization project.

Motion by Kalms, seconded by Fisher to award the bid to Frank O. Zeise Construction Co. Inc. Motion carried by voice vote.

Resolution No. 2022-XX 65.90(5) Wis Stats. Transfer Funds -Government Center Elevator Modernization Project

This project is an approved Capital Improvement project in the 2022-2026 CIP Plan. The project was funded at a value of \$325,000.00. Spritka recommends that another \$100,000 be added to the project budget totaling \$425,000 to account for any contingency. The recommendation if approved requires Finance Committee review

and County Board approval by resolution.

Motion by Austad, seconded by Kalms to approve the resolution to transfer up to \$100,000 from the Unassigned Fund Balance and move this on to the Finance Committee. Motion carried by voice vote.

Sustainability Matters to be Considered

2023-27 CIP Project- Review/Approve

Justice Center HVAC recommissioning; retro-commissioning of AC-3, 4, 6, and 7; recommendation based on the 2022 DC Facility Assessment Energy Audit. Estimated cost is \$140,000.

Motion by Gauger, seconded by Fisher to approve adding the JC HVAC recommissioning project in to the 2023-27 CIP. Motion carried by voice vote.

Beyond Pesticides Project - Frank Murphy County Park – Soil Report

Parks Manager Burke Pinney reviewed the report included in the meeting packet. The report will be submitted to Beyond Pesticides. This was a shared project with the Village of Egg Harbor. The County is looking to take a holistic approach to groundskeeping at the park.

Legislative Matters to be Considered

No legislative matters were presented.

Matters to be Placed on a Future Agenda or Referred to a Committee, Official, or Employee

Nothing as of this meeting.

Next Meeting Date(s)

- Wednesday, August 10, 2022 – 9:00 a.m.

Adjourn

Motion by Fisher, seconded by Austad to adjourn. Time: 11:27 a.m. Motion carried.

Respectfully submitted, Jill M. Lau, County Clerk

ASH, THAD

From: Enright Sr, Michael <Michael.Enright@dentaquest.com>
Sent: Monday, August 1, 2022 12:48 PM
To: ASH, THAD
Subject: Hwy G

Good afternoon Thad,

Thank you for your time last week, very helpful.

We live on Brichstone Lane, which is off of Hwy G. As we discussed, the cars, trucks and motorcycles travel at extremely high levels of speed on Hwy G with no regard to bikers, walkers or the wildlife. The lower part of Hwy G has 35/45 MPH speed limit signs. After talking with all of the neighbors on Birchstion Lane we are requesting the same speed limits on the upper part of Hwy G. In the two years we have lived here we have seen an increase in speed for all types of vehicles. Please let me know if there is additional information you need. All of the residents on Birchstone Lane appreciate your consideration.

Thank you again,
Mike

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ASH, THAD

From: PABICH, KEN
Sent: Thursday, July 21, 2022 7:58 AM
To: 'Jennifer Leiberg'
Cc: ASH, THAD
Subject: RE: Gordon Road

Hi Jennifer

Thanks for reaching out.

The County would concur that the intersection needs improvements. We have had discussions with WI DOT on the intersection since it is a State Highway. At this time there are no formal plans to modify the intersection; however, we are continuing to have discussions with them and we are also looking for different grants or programs that could help.

We do have a Highway Safety Commission that meets on a quarterly basis and I am sure that it will be discussed at the next meeting. Agendas are published on our website.

<https://www.co.door.wi.gov/AgendaCenter>

Thanks Ken

KEN PABICH | COUNTY ADMINISTRATOR

Door County Administrator's Office | 421 Nebraska Street | Sturgeon Bay, WI 54235
920-746-2552 | Website: www.co.door.wi.gov | Email: kpabich@co.door.wi.us

From: Jennifer Leiberg <jensdcd@gmail.com>
Sent: Wednesday, July 20, 2022 4:26 PM
To: County Board <CountyBoard@co.door.wi.us>
Subject: Gordon Road

Hello,
Today there was another accident at the intersection of Gordon road and hwy 42. There is always much discussion on social media news sites when these accidents occur. Many assumptions about that intersection and what can or should be done. It's obviously a major safety issue in our county. Could the public be updated on if there is a current plan to making this intersection more safe? If information has already been shared, could you please direct me to it.
Thank you for your time,
Jennifer Leiberg

ASH, THAD

From: PABICH, KEN
Sent: Thursday, July 21, 2022 10:11 AM
To: ASH, THAD
Subject: FW: Gordon Rd / Hwy 42-57 Intersection

KEN PABICH | COUNTY ADMINISTRATOR

Door County Administrator's Office | 421 Nebraska Street | Sturgeon Bay, WI 54235
 920-746-2552 | Website: www.co.door.wi.gov | Email: kpabich@co.door.wi.us

From: Zettel, Hugh <District14@co.door.wi.us>
Sent: Thursday, July 21, 2022 10:09 AM
To: Englebert, Roy <District3@co.door.wi.us>
Cc: Vogel, Dale <District13@co.door.wi.us>; Heim Peter, Alexis <District10@co.door.wi.us>; Dan Woelfel (danwoelfel@townofsevastopol.com) <danwoelfel@townofsevastopol.com>; PABICH, KEN <kpabich@co.door.wi.us>
Subject: Gordon Rd / Hwy 42-57 Intersection

Good morning Roy,

This past Monday, the Sevastopol Town Board recommended approval of rezoning a parcel on Gordon Road to support the proposed expansion of the Door Community Child Development Center. There was widespread support by the board, including public support for the rezone, which included our fellow colleague Supervisor Heim Peter. One of the concerns discussed at the rezoning request was the traffic along Gordon Road, and notably the Gordon Rd / Hwy 42-57 intersection. It was noted by Town Chairman Dan Woelfel that one of the measures the County Highway Dept. is taking is to eliminate left-turns from Gordon Rd onto Hwy 42-57, which would be an important safety improvement. The proposed step would be to secure a grant to get this done sometime in future, and of course pending the approval of a grant. Also noteworthy is that this corridor is going to be repaved next year, so it would be prudent to get these changes made in coordination with the state's repaving plans.

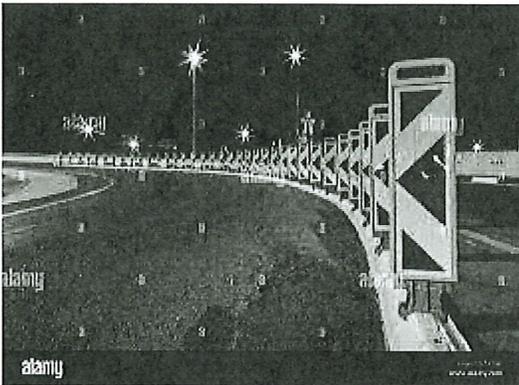
I would like to propose that we investigate an interim step to eliminate the left-turn access from Gordon Rd. by deploying reflective tube barriers that we typically see on roads/interstates where change of driving patterns are required (picture attached). I am assuming this could be accomplished quickly and with minimal funding impact until the funding for a permanent island barrier is secured. I have shared this idea with Chairman Woelfel and with Supervisor Vogel, who both support trying to improve the safety of this intersection sooner, rather than later. I have not discussed this specific proposal with Supervisor Heim Peter, but we did speak briefly at the rezoning meeting about the safety issues relating to Gordon Rd traffic, and she is supportive of looking at options to improve safety measures, not only for the future considerations for the day care parents, but for all that use this corridor.

This request takes on additional urgency with yet another accident on the Gordon Rd / Hwy 42-57 intersection yesterday afternoon. My understanding is that this is now the fourth accident this year at this intersection.

I strongly implore the Highway and Facilities Committee to explore some short term actions to improve the safety of this intersection.

Regards,
Hugh Zettel

District 14 Supervisor



Please

ASH, THAD

From: Zettel, Hugh
Sent: Friday, July 29, 2022 8:56 PM
To: Englebert, Roy
Cc: ASH, THAD; McCarty, Pat; Heim Peter, Alexis; Vogel, Dale; Dan Woelfel (danwoelfel@townofsevastopol.com)
Subject: August 4th Highway Safety Commission & Gordon Rd Safety
Attachments: Improving Safety at Gordon Road (CTY-BB) & HWY42-57-04AUG2022.pdf; 2022-07-27 Gordon Rd-BB and St Hwy 42-57.pdf

Dear Chairperson Engelbert,

This is a follow-up email to our conversation regarding traffic safety at the Gordon Rd, Hwy 42/57 intersection, following the latest accident at that intersection on July 20th. Per your recommendation, I would like to discuss potential solutions at the upcoming Highway Safety Commission meeting on August 4th. Looking at the agenda it appears that Gordon Rd (CH-BB) is on the agenda.

The attached overview includes the accident record from 2015 through 2022YTD. The July 27th PDF contains accident reports provided to me by Chief Deputy McCarty, and are incremental to the accident report data covering a narrower period of time as part of the Gordon Road discussion from the May 5th Highway Safety Commission meeting. The meeting packet with the additional accident reports can be found here: <https://www.co.door.wi.gov/AgendaCenter/ViewFile/Agenda/05052022-1200> Please note that three of the four accidents at this intersection occurred after the May 5th meeting.

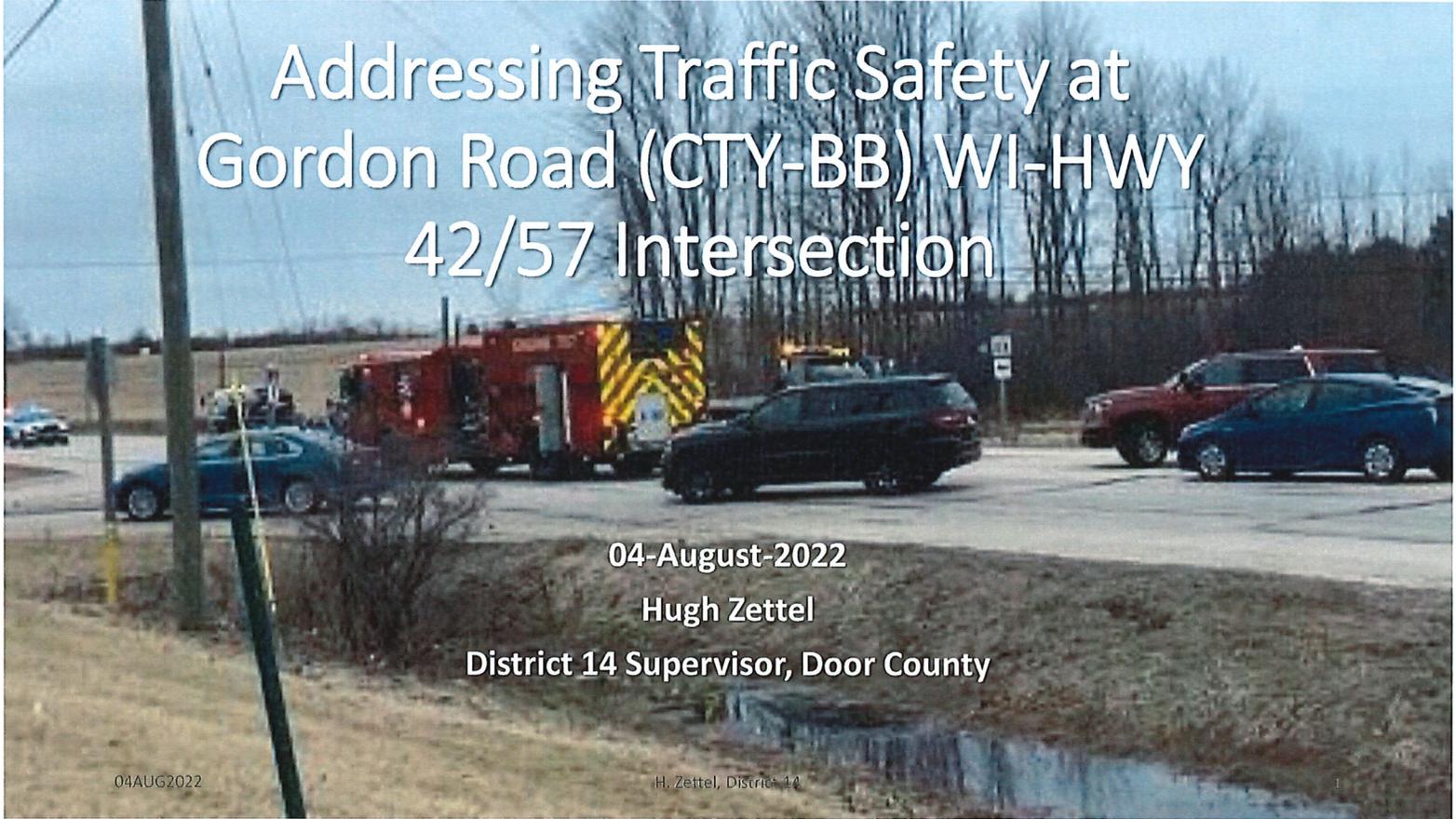
At next week's meeting I'd like to focus on a near-term solution to eliminate the left-turn from Gordon Rd using reflective tube barriers typically used in road construction to reroute traffic patterns. I understand there is a grant request for a permanent solution to eliminate the left-turn from Gordon Rd, and I hope we can consider an interim solution that addresses the majority of the accident scenarios that occur - left turns from Gordon Rd.

I am copying Town of Sevastopol Chairman Dan Woelfel, Supervisors Vogel and Heim Peter, whom I have also had discussions with as it relates safety at this intersection and a potential Day Care Center that will be located on Gordon Rd, Chief Deputy McCarty, who provided me the accident report information, and Thad Ash, Highway Commissioner.

Please distribute the materials as necessary to other committee members and meeting attendees as you see fit.

Thanks again for providing background information on this issue and inviting me to attend the upcoming meeting to discuss solutions.

Best regards,
Hugh



Addressing Traffic Safety at Gordon Road (CTY-BB) WI-HWY 42/57 Intersection

04-August-2022

Hugh Zettel

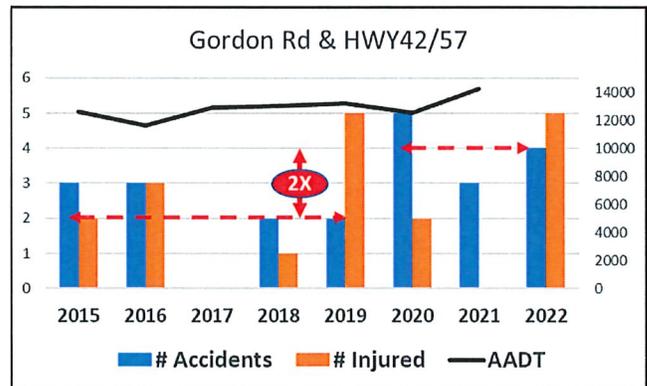
District 14 Supervisor, Door County

04AUG2022

H. Zettel, District 14

22 Accidents & One Fatality 2015-2022YTD*

Gordon Rd (CTY-BB) & WI HWY 42/57

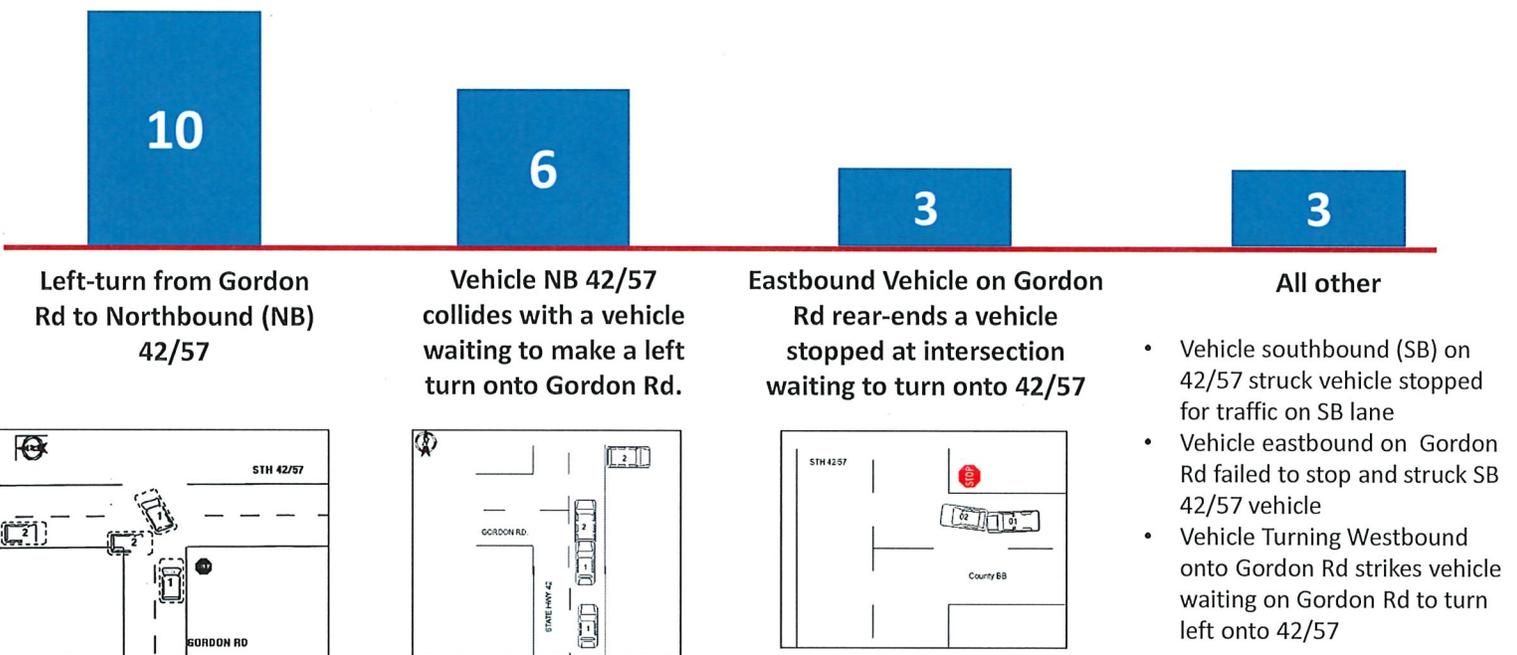


Continuous AADT values @ BayView Bridge, WIDOT Traffic Counts

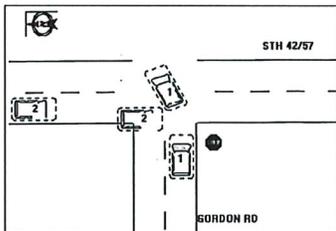
- Average # Accidents have doubled last three years
 - 2 per year, 2015-2019
 - 4 per year, 2020 – 2022YTD
- # Accidents not correlated with Hwy 42/57 traffic rates
- Accidents occurred every month except, DEC, MAR; most accidents occurred in July (6), then May (5)

* The last three accidents in 2022 occurred after the May 5, 2022, Highway Safety Committee meeting, where Gordon Rd was discussed.

Left Turns from Gordon Rd the Leading Accident Cause



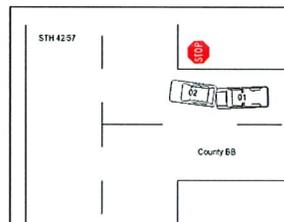
Left-turn from Gordon Rd to Northbound (NB) 42/57



Vehicle NB 42/57 collides with a vehicle waiting to make a left turn onto Gordon Rd.



Eastbound Vehicle on Gordon Rd rear-ends a vehicle stopped at intersection waiting to turn onto 42/57



All other

- Vehicle southbound (SB) on 42/57 struck vehicle stopped for traffic on SB lane
- Vehicle eastbound on Gordon Rd failed to stop and struck SB 42/57 vehicle
- Vehicle Turning Westbound onto Gordon Rd strikes vehicle waiting on Gordon Rd to turn left onto 42/57

Recommendations / Questions

Recommendation: Eliminating the left turn from Gordon Rd. onto HWY 42/57 could lead to a significant safety improvement.

- What interim measures can the County take to eliminate the left turn from Gordon Rd? Example: use of reflective barriers to force right-turn-only on eastbound Gordon Rd? The state has used these barriers extensively for short or long-term traffic diversions during construction projects.



1. What would be the timeline for a permanent no-left-turn barrier? What are the dependencies to confirm the project plan completion date?
2. Several comments have made that the reason the state isn't considering a redesign is that there haven't been any fatalities. There was one fatality in 2015. How many more fatalities and/or accidents does the WI-DOT require before it will act to address the safety concerns?
3. What are the risks of having to redo portions of the state's 2023 planned repaving work if a permanent solution isn't completed before or in coordination with the state's 2023 project?
 - Will the state make improvements to reduce risks within their current 2023 repaving project scope?

Appendix: Traffic Accident Summary*

Date	Time	Record #	Impact Conditions	Total Vehicle	Total Injur	Total Kill
11/18/2014	5:27PM	14-001717	Southbound vehicle on 42/57 crosses centerline and collides with northbound vehicle on 42/57 just north of Gordon Rd	2	3	0
02/14/2015	5:46PM	15-001232	Northbound vehicle collides with vehicle waiting to make left turn from 42/57 onto Gordon Rd.	2	1	0
06/05/2015	8:55AM	15-004684	Vehicle Turning Left from Gordon Rd collides w/ southbound 42/57 vehicle; non-contact vehicle in right turn shoulder on southbound 42/57 at Gordon Rd	2	1	1
09/08/2015	10:16AM	15-009172	Vehicle Turning Left from Gordon Rd collides w/ southbound 42/57 vehicle	2	0	0
07/10/2016	12:49PM	16-006432	Vehicle Turning Left from Gordon Rd collides w/ southbound 42/57 vehicle; non-contact vehicle in right turn shoulder on southbound 42/57 at Gordon Rd	2	0	0
07/12/2016	1:15PM	16-006524	Northbound vehicle collides with vehicle waiting to make left turn from 42/57 onto Gordon Rd.	2	2	0
11/23/2016	11:41AM	16-012140	Vehicle Turning Left from Gordon Rd collides w/ southbound 42/57 vehicle; non-contact vehicle in right turn shoulder on southbound 42/57 at Gordon Rd	2	1	0
05/25/2018	2:15PM	18-004666	Vehicle Turning Left from Gordon Rd collides w/ northbound 42/57 vehicle	2	1	0
06/08/2018	4:55PM	18-005239	Vehicle Turning Left from Gordon Rd collides w/ southbound 42/57 vehicle	2	0	0
07/03/2019	4:00PM	19-006436	Vehicle hits rear of vehicle stopped on Gordon Rd waiting to turn	2	0	0
10/25/2019	3:29PM	19-011751	Vehicle Turning Left from Gordon Rd collides w/ southbound 42/57 vehicle	2	5	0
05/12/2020	4:25PM	20-003672	Vehicle Turning Westbound onto Gordon Rd strikes vehicle waiting on Gordon Rd to turn left onto 42/57	2	0	0
08/18/2020	8:52PM	20-008465	Vehicle on Gordon Rd failed to stop and struck Southbound 42/57 vehicle.	2	0	0
08/23/2020	1:48PM	20-008715	Vehicle Turning Left from Gordon Rd collides w/ southbound 42/57 vehicle	2	0	0
08/24/2020	1:23PM	20-008758	Vehicle heading southbound on 42/57 struck vehicle stopped for traffic on southbound 42/57	2	2	0
10/08/2020	5:17PM	20-010722	Northbound vehicle collides with vehicle waiting to make left turn from 42/57 onto Gordon Rd.	2	0	0
05/07/2021	5:47PM	21-003526	Vehicle Turning Left from Gordon Rd collides w/ southbound 42/57 vehicle	2	0	0
07/22/2021	3:52PM	21-007238	Vehicle hits rear of vehicle stopped on Gordon Rd waiting to turn	2	0	0
07/24/2021	11:08AM	21-007340	Vehicle hits rear of vehicle stopped on Gordon Rd waiting to turn	2	0	0
04/07/2022	4:38PM	22-002560	Northbound vehicle collides with vehicle waiting to make left turn from 42/57 onto Gordon Rd.	2	1	0
05/11/2022	2:32PM	22-003509	Northbound vehicle collides with vehicle waiting to make left turn from 42/57 onto Gordon Rd.	3	2	0
05/27/2022	9:11AM	22-004062	Northbound vehicle collides with vehicle waiting to make left turn from 42/57 onto Gordon Rd.	2	1	0
07/20/2022	3:42PM	22-006881	Vehicle Turning Left from Gordon Rd collides w/ southbound 42/57 vehicle	2	1	0

* Data summary from traffic accident reports provided by the Sheriff's Department

04AUG2022

H. Zettel, District 14

5

ASH, THAD

From: Town Of Sevastopol Chairman <danwoelfel@townofsevastopol.com>
Sent: Sunday, July 31, 2022 10:12 AM
To: Englebert, Roy
Cc: ASH, THAD; McCarty, Pat; Heim Peter, Alexis; Vogel, Dale; Zettel, Hugh
Subject: RE: August 4th Highway Safety Commission & Gordon Rd Safety

Roy,

The town of Sevastopol wholeheartedly supports the efforts of Hugh Zettel to address this safety concern. We have had conversations with the DOT and there are no pending or future plans to address this intersection. As we all know the DOT looks to supporting statistics and then after several accidents or deaths they react. This is an opportunity to proactively address a need before it becomes a bigger problem. Hopefully, the county receives grant funding for their recently submitted application to address this intersection with a long-term solution.

Dan Woelfel
 Chair

From: Zettel, Hugh <District14@co.door.wi.us>
Sent: Friday, July 29, 2022 8:56 PM
To: Englebert, Roy <District3@co.door.wi.us>
Cc: ASH, THAD <tash@co.door.wi.us>; McCarty, Pat <pmccarty@co.door.wi.us>; Heim Peter, Alexis <District10@co.door.wi.us>; Vogel, Dale <District13@co.door.wi.us>; Town Of Sevastopol Chairman <danwoelfel@townofsevastopol.com>
Subject: August 4th Highway Safety Commission & Gordon Rd Safety

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Chairperson Engelbert,

This is a follow-up email to our conversation regarding traffic safety at the Gordon Rd, Hwy 42/57 intersection, following the latest accident at that intersection on July 20th. Per your recommendation, I would like to discuss potential solutions at the upcoming Highway Safety Commission meeting on August 4th. Looking at the agenda it appears that Gordon Rd (CH-BB) is on the agenda.

The attached overview includes the accident record from 2015 through 2022YTD. The July 27th PDF contains accident reports provided to me by Chief Deputy McCarty, and are incremental to the accident report data covering a narrower period of time as part of the Gordon Road discussion from the May 5th Highway Safety Commission meeting. The meeting packet with the additional accident reports can be found

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster St
Box 7921
Madison, WI 53707-7921

Tony Evers, Governor
Preston D. Cole, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711



July 12, 2022

► **REQUIRES IMMEDIATE ACTION** ◀
Snowmobile Trail Aids
Grant# S-5722
Grant Amount: \$72,210.00

Burke Pinney, Parks Manager
Door County
421 Nebraska Street
Sturgeon Bay, WI 54234

Dear Mr. Pinney:

Congratulations! On behalf of the Governor, we are pleased to forward to you a grant agreement for financial assistance for the following project: *Door County Snowmobile Trail Maintenance 2022-23*

Please review the agreement and return a copy signed by the authorized official **within 30 days of this letter's date** to Jeremy Holtz at the Community Financial Assistance, 2984 Shawano Ave, Green Bay, WI 54313. Please read the items checked below. They apply to your project and grant award.

Grant Award Time Period: 07/01/2022 through 06/30/2023. All project activities must occur within this time period to be eligible for reimbursement.

Important Change Regarding Payment: Grant payments will be sent via ACH transfer (electronic bank transfer). When the ACH transfer occurs, your county treasurer will receive an email from the State of Wisconsin with payment details, including a "memo" with details on the project to help them process the payment appropriately.

You are entitled to a project advance of: \$35,775.00.

This advance payment is made available to you to cover costs you may incur in the initial stages of your project. The advance payment is equal to 50% of the state cost sharing assistance. Due to the timing of our fiscal year, advance payment funds will not be available until August. *If you wish to request the advance payment, check the box provided on the last page of the project agreement.*

Changes to the approved project scope may not be made without prior approval from the Department.

Please note: To simplify record keeping on chargebacks for equipment referenced in county machinery agreements, we will use rates approved by the Snowmobile Recreation and Off-Road Vehicle Councils based on Department of Transportation established rates. As soon as the equipment and labor rates for the current season are approved by the Councils they will be updated on the web at <https://dnr.wi.gov/Aid/SnowmobileTrails.html> under the **Resources** tab after September 1, 2022.

Reporting Work: All grooming and non-grooming maintenance work for which reimbursement is claimed, must be reported through the automated snowmobile reporting system (SNARS) at <https://wi.groomertrackingsystems.com/>. All club and county work must be reported in SNARS prior to August 1, 2023. Google Chrome works best for accessing SNARS.

Reimbursement claim forms and/or financial administration information can be found by going to: <http://dnr.wi.gov/Aid/SnowmobileTrails.html>. Please submit reimbursement claim forms for your project to

Jeremy. Feel free to contact Jeremy at (920)883-7428, if you have any questions about your grant award or the reimbursement procedures. We are pleased to have the opportunity to participate with you on this project.

Sincerely,

A handwritten signature in black ink that reads "Jillian Steffes for". The signature is written in a cursive style.

Jim Ritchie, Director
Bureau of Community Financial Assistance

Enclosure(s)

C: Jeremy Holtz – NER



Resolution No. 2022-____
CTH S / SOUTH DULUTH AVENUE PROJECT
& WIS DOT STP FUNDING

TO THE DOOR COUNTY BOARD OF SUPERVISORS:

ROLL CALL Board Members	Aye	Nay	Exc.
AUSTAD			
BEARDSLEY			
BULTMAN			
CHOMEAU			
D. ENGLEBERT			
R. ENGLEBERT			
ENIGL			
FISHER			
GAUGER			
GUNNLAUGSSON			
HEIM PETER			
KALMS			
LIENAU			
MILLER			
MORKIN			
NORTON			
ROBILLARD			
RUSNAK			
THAYSE			
VOGEL			
ZETTEL			

1 **WHEREAS**, The City of Sturgeon Bay (“City”) and County of
2 Door (“County”) are working cooperatively to make improvements to
3 CTH S / South Duluth Avenue (“Project”); and
4

5 **WHEREAS**, City will take the lead on, and has applied to the
6 Wisconsin Department of Transportation (WisDOT) for Surface
7 Transportation Program (“STP”) funds for, this Project.
8

9 **NOW, THEREFORE, BE IT RESOLVED**, That the Door County
10 Board of Supervisors fully supports: a) this Project; b) the City taking
11 the lead on this Project; and c) the City’s application to WisDOT for
12 STP funds for this Project.
13

14 **BE IT FURTHER RESOLVED**, That the County’s end of this
15 Project shall be overseen by the Door County Highway
16 Commissioner.
17

BOARD ACTION

Vote Required: Majority Vote of a Quorum

Motion to Approve Adopted

1st _____ Defeated

2nd _____

Yes: _____ No: _____ Exc: _____

SUBMITTED BY:
Highway & Facilities Committee

Roy Englebert, Chairperson

Alexis Heim Peter

Daniel Austad

Walter Kalms

Ken Fisher

Todd Thayse

Elizabeth Gauger

Reviewed by:
_____, Corp. Counsel

Reviewed by:
_____, Administrator

FISCAL IMPACT: The County would be responsible for 10% of the cost for this project; this would be included in the CIP process in future years. STW

Certification:

I, Jill M. Lau, Clerk of Door County, hereby certify that the above is a true and correct copy of a resolution that was adopted on the 23rd day of August, 2022 by the Door County Board of Supervisors.

Jill M. Lau
County Clerk, Door County

Memorandum of Agreement

Regarding

Sidewalk Installation Along S. Duluth Ave (County Highway S)

Between

City of Sturgeon Bay, County of Door, and 911 Green Bay Road Partners, LLC

AGREEMENT made by and between the City of Sturgeon Bay, hereinafter referred to as "City", County of Door, hereinafter referred to as "County", and 911 Green Bay Road Partners, LLC, hereinafter referred to as "Developer"

RECITALS

- A. WHEREAS, Developer is owner of a parcel of land located at 911 Green Bay Road, Sturgeon Bay, WI, and described in Exhibit A, hereinafter referred to as "Property";
- B. AND WHEREAS, Developer intends to demolish most of the existing buildings and redevelop the Property;
- C. AND WHEREAS, the City and County desire to have a public sidewalk installed along the Duluth Avenue frontage of the Property;
- D. AND WHEREAS, additional land along the Duluth Avenue right-of-way needs to be acquired from the Property in order to install and maintain the sidewalk;
- E. AND WHEREAS, there are coordination advantages and cost savings if the Developer installs the sidewalk in conjunction with the redevelopment of the Property;
- F. AND WHEREAS, the Developer desires to have the City finance the construction costs for installation of the sidewalk in exchange for an easement for the sidewalk;
- G. AND WHEREAS, the Developer, the City, and the County desire to set terms and conditions for the sidewalk easement and installation;
- H. AND WHEREAS, there is public benefit in the acquisition of an easement and the installation of public sidewalk along S. Duluth Ave.

TERMS

NOW, THEREFORE, in consideration of the foregoing recitals and the mutual covenants and promises of the parties as hereinafter set forth and other good and valuable consideration, receipt of which is hereby acknowledged by each of the parties hereto, the parties agree as follows:

1. Easement for Public Sidewalk. Developer agrees to create and record an easement as shown on the attached CSM (Exhibit A) along the entire east edge of the subject property to allow installation, use, and maintenance of a public sidewalk. The easement shall be granted to the County at no cost to them other than their surveying, drafting, and

recording costs. The easement shall be recorded prior to the issuance of an occupancy permit for the proposed new building on the Property.

2. Construction of Public Sidewalk. If Developer constructs the proposed new building on the Property, the Developer shall also construct the public sidewalk along the entire eastern side of the Property. The sidewalk shall be located within the recorded easement and adjacent street right-of-way and shall be constructed in accordance with the site plan and construction specifications identified in Exhibit B. The County Highway Department and City Engineer have the right to inspect the work, but only as part of the normal construction inspection process. Completion of the public sidewalk shall occur prior to occupancy of the proposed new building.
3. Financing of Public Sidewalk. In lieu of municipal installation of, and special assessment for, the public sidewalk, the City agrees to assist Developer with financing the cost of construction of the public sidewalk.
 - a. City will provide a loan to the Developer equal to the actual cost of the sidewalk installation upon completion.
 - b. The loan will then be repaid in twelve (12) annual installments. Installation payments are due January 31st of each year.
 - c. Installment payments are to bear interest at a floating rate to be determined on the first business day of the new calendar year for the ensuing year and will be the prime rate as posted by the official City depository on that day. The rate so established shall be applied to the unpaid balance of the loan for that year.
 - d. Installments not paid when due shall bear interest on the amount past due at the rate of one percent (1%) per month or a fractional part thereof plus one-half of one percent (0.5%) per month or fraction thereof penalty.
 - e. Developer agrees that any unpaid installment may be applied as a lien on the Property and charged against the Property on the property tax roll, but only if Developer/Land Owner are past due more than six (6) months.
 - f. There shall no prepayment penalties for Developer/Land Owner if Developer/Land Owner chooses to pay off in full, or in part, prior to the maturation date.
 - g. If financing becomes fully paid off, City agrees to provide Developer/Land Owner confirmation and lien waiver debt has been satisfied.
4. Maintenance, Repair or Reconstruction. The sidewalk shall be maintained, kept in repair, and reconstructed or removed at the expense of the City per Sec. 66.0907, Wis. Stats.
5. Waiver of special assessment. County and City agree there will not be any assessment(s) charged to the Property for any future extensions of the sidewalk through the Wisconsin DOT right-of-way to the north or along County Highway S to the south.

WHEREFORE, the parties have hereunto set their hands as of this 9th day of June, 2022.

CITY OF STURGEON BAY, WISCONSIN

By: David J. Ward
David J. Ward, Mayor

Attest: Stephanie L. Reinhardt
Stephanie L. Reinhardt, City Clerk

STATE OF WISCONSIN)
)ss.
DOOR COUNTY)

Personally appeared before me this 9th day of June, 2022, the above-named David J. Ward the Mayor of the City of Sturgeon Bay, Wisconsin, to me known to be the mayor of that city and the person who executed the foregoing agreement on behalf of the City and by its authority.

Name: Alicia Muth
Notary Public, State of Wisconsin
My Commission expires: 3-9-26

STATE OF WISCONSIN)
)ss.
DOOR COUNTY)

Personally appeared before me this 9th day of June, 2022, the above-named Stephanie L. Reinhardt, the Clerk of the City of Sturgeon Bay, Wisconsin, to me known to be the clerk of that city and the person who executed the foregoing agreement on behalf of the City and by its authority.

Name: Alicia Muth
Notary Public, State of Wisconsin
My Commission expires: 3-9-26

WHEREFORE, the parties have hereunto set their hands as of this 10 day of June, 2022.

COUNTY OF DOOR, WISCONSIN

By: [Signature]
Ken Pabich, County Administrator

STATE OF WISCONSIN)
)ss.
DOOR COUNTY)

Personally appeared before me this 10th day of June, 2022, the above-named Ken Pabich, the County Administrator of the County of Door, Wisconsin, to me known to be the county administrator of that county and the person who executed the foregoing agreement on behalf of the County and by its authority.

Name: [Signature]
Notary Public, State of Wisconsin
My Commission expires: December 20, 2023

WHEREFORE, the parties have hereunto set their hands as of this 21st day of JUNE, 2022.

911 GREEN BAY ROAD PARTNERS, LLC
By: [Signature]
Gregory Woulfe, Manager

STATE OF Florida)
)ss.
Broward COUNTY)

Personally appeared before me this 21 day of June, 2022, the above-named Gregory Woulfe, managing member of 911 Green Bay Road Partners, LLC, a Florida limited liability company, to me known to be the manager of that LLC and the person who executed the foregoing agreement on behalf of that LLC by its authority.

Name: [Signature]
Notary Public, State of Florida
My Commission expires: 8.5.2023

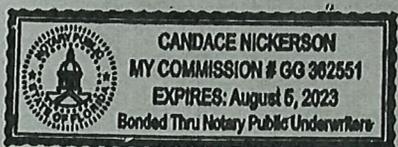
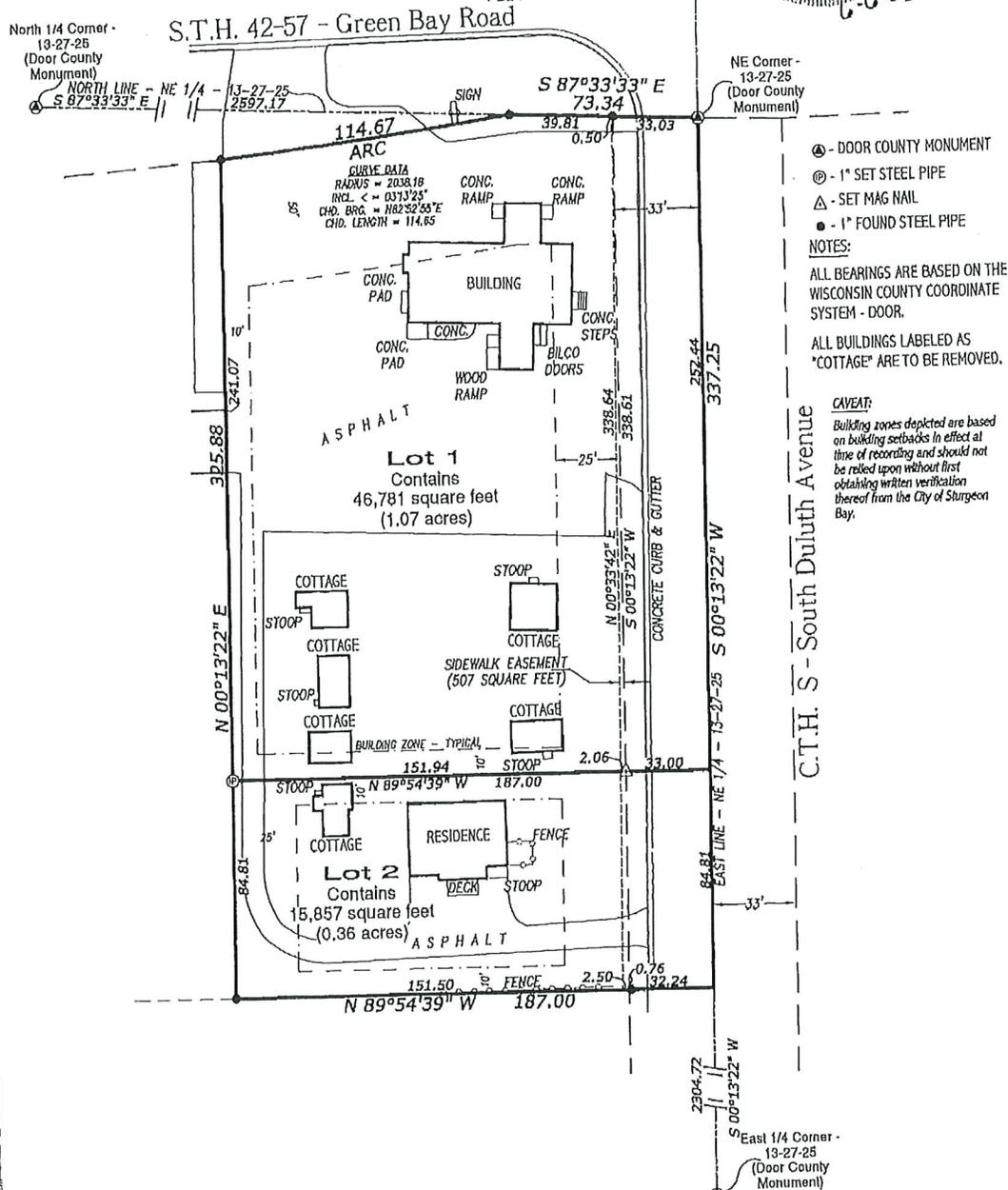


EXHIBIT A CERTIFIED SURVEY MAP

LOCATED IN:
THE NE 1/4 OF THE NE 1/4 OF SECTION 13,
TOWNSHIP 27 NORTH, RANGE 25 EAST,
CITY OF STURGEON BAY,
DOOR COUNTY,
WISCONSIN



DOC #: 853958
MAP #: 3575
RECORDED ON:
06/07/2022 01:00:19 PM
CAREY PETERSILKA
REGISTER OF DEEDS
DOOR COUNTY, WI
FEE AMOUNT PAID: 30.00
**The above recording information
verifies that this document has
been electronically recorded and
returned to the submitter.**



CERTIFIED SURVEY MAP

LOCATED IN:
THE NE 1/4 OF THE NE 1/4 OF SECTION 13,
TOWNSHIP 27 NORTH, RANGE 25 EAST,
CITY OF STURGEON BAY,
DOOR COUNTY,
WISCONSIN

SURVEYOR'S CERTIFICATE

I, Michael G. McCarty, Professional Land Surveyor for Baudhuhn Surveying & Engineering, that under the direction of 911 Green Bay Road Partners, LLC, do hereby certify that we have surveyed and mapped the following described parcel:

A parcel of land located in the NE 1/4 of the NE 1/4 of Section 13, Township 27 North, Range 25 East, City of Sturgeon Bay, Door County, Wisconsin. Bounded and described as follows:

Commencing at the NE Corner of said Section 13-27-25, said corner being on the centerline of C.T.H. S (South Duluth Avenue) and the point of beginning of lands to be described; thence S, 00°13'22" W., 337.25 feet along the east line of the NE 1/4 of said Section 13-27-25 (centerline of C.T.H. S (South Duluth Avenue)); thence N, 89°54'39" W., 187.00 feet; thence N, 00°13'22" E., 325.88 feet to the southerly right of way line of S.T.H. 42-57 (Green Bay Road); thence 114.67 feet along the arc of a 2038.18 foot radius curve to the left along said right of way line whose chord bears N, 82°52'55" E., 114.65 feet (incl. < = 03°13'25") to the north line of the NE 1/4 of said Section 13-27-25; thence S, 87°33'33" E., 73.34 feet along said north line to the point of beginning.

Said parcel contains 62,638 square feet (1.43 acres) and is subject to the following described easement:

An easement for the installation and maintenance of a sidewalk located in the NE 1/4 of the NE 1/4 of Section 13, Township 27 North, Range 25 East, City of Sturgeon Bay, Door County, Wisconsin. More particularly described as follows:

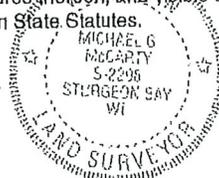
Commencing at the NE Corner of said Section 13-27-25, said corner being on the centerline of C.T.H. S (South Duluth Avenue); thence N, 87°33'33" W., 33.03 feet along the north line of the NE 1/4 of said Section 13-27-25 to the westerly right of way line of C.T.H. S (South Duluth Avenue), said point being the point of said easement; thence S, 00°13'22" W., 338.61 feet along said westerly right of way line; thence N, 89°54'39" W., 2.50 feet; thence N, 00°33'42" E., 338.64 feet to the aforementioned north line of the NE 1/4 of said Section 13-27-25; thence S, 87°33'33" E., 0.50 feet along said north line to the point of beginning.

Said easement contains 507 square feet.

I further certify that the attached map is a true representation of said property and correctly shows the exterior boundaries and correct measurements thereof, and also shows structures thereon, and visible encroachments, if any. Also, I have fully complied with Chapter 236.64 of the Wisconsin State Statutes.

Dated: 6-6-22

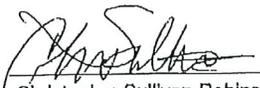

Michael G. McCarty S-2298



PLANNING COMMISSION CERTIFICATE

This certified survey map has been submitted and approved in accordance with Chapter 21 of the Sturgeon Bay Municipal Code.

Dated: 6-6-22


Christopher Sullivan-Robinson
Planner / Zoning Administrator

RP

ASH, THAD

From: ASH, THAD
Sent: Tuesday, July 19, 2022 5:32 AM
To: PABICH, KEN; DONOHUE, SEAN
Subject: CTH S/ S Duluth Ave

Ken and Sean, Below is an email from the state in regards to our joint venture with the City on the improvements to CTH S from Hwy 42/57 to Justice Center. We have applied for a grant and the grant people are requesting a resolution for one party to take the lead agency. We had done it on the Duluth improvements on the north side of the Highway. I am not sure of the wording so wondering if you could help with the language? This should go to committee's and board next month.

From: Dums, Alex T - DOT <Alex.Dums@dot.wi.gov>
Sent: Friday, July 15, 2022 10:40 AM
To: Olejniczak, Marty <MOlejniczak@sturgeonbaywi.org>; DOT DTSD NE STP Urban <DOTDTSDNESTPUrban@dot.wi.gov>
Cc: Thad Majkowski <thad.majkowski@cedarcorp.com>; Erich Masiarchin <erich.masiarchin@cedarcorp.com>
Subject: RE: Sturgeon Bay - S Duluth Ave/County Road S BIL Application

Hi Marty,

Attached are DOT comments regarding application for S Duluth Ave/CTH S. Please submit updated application/estimate by COB Friday 7/22/22. We will be loading project applications into our Local Entitlement System for rating/ranking later this month so hopefully project award notifications are not too far off after that sometime in August.

Additionally a resolution would be required from Door County to allow the City of Sturgeon Bay to act as the lead agency on CTH S. Please let me know if you have any questions.

Thanks,

Alex Dums, P.E.
 Local Program Manager
 Wisconsin Department of Transportation
 Northeast Region
 Phone: (920) 492-5707
 E-Mail: alex.dums@dot.wi.gov
wisconsin.dot.gov

Thad Ash
 Highway Commissioner
 Door County Highway Department
 1001 S. Duluth Ave.
 Sturgeon Bay, WI 54235
 920-746-2504 Office
 920-493-2574 Cell
 920-743-7060 Fax
tash@co.door.wi.us

Account	Account Description	2022 Adopted Budget	2022 Amended Budget	2022 Actual Amount	2022 Projected Amount	2023 Co Admin/Fi Dir Recomm
Fund 100	General Fund					
	REVENUE					
	Department 35 - Museum					
	Misc Revenues					
	Other Revenues					
	General Government					
48518	Museum Program Donations	.00	.00	2,314.14	7,426.16	.00
	<i>General Government Totals</i>	\$0.00	\$0.00	\$2,314.14	\$7,426.16	\$0.00
	<i>Other Revenues Totals</i>	\$0.00	\$0.00	\$2,314.14	\$7,426.16	\$0.00
	<i>Misc Revenues Totals</i>	\$0.00	\$0.00	\$2,314.14	\$7,426.16	\$0.00
	Other Financing Sources					
	Transfer fr Fund Balance					
	General Government					
49201	Transfer Fr Fund Balance	15,000.00	15,000.00	.00	.00	35,000.00
	<i>General Government Totals</i>	\$15,000.00	\$15,000.00	\$0.00	\$0.00	\$35,000.00
	<i>Transfer fr Fund Balance Totals</i>	\$15,000.00	\$15,000.00	\$0.00	\$0.00	\$35,000.00
	<i>Other Financing Sources Totals</i>	\$15,000.00	\$15,000.00	\$0.00	\$0.00	\$35,000.00
	Department 35 - Museum Totals	\$15,000.00	\$15,000.00	\$2,314.14	\$7,426.16	\$35,000.00
	REVENUE TOTALS	\$15,000.00	\$15,000.00	\$2,314.14	\$7,426.16	\$35,000.00
	EXPENSE					
	Department 35 - Museum					
	Sub-Department 5111 - Museum					
	Salary & Wages					
	Salary & Wages					
51101	Salary & Wages	51,160.00	51,160.00	20,030.95	38,148.28	52,057.00
51101.300P	S&W Vac/PTO Vacation	.00	.00	2,276.54	4,056.85	.00
R						
51101.320P	S&W Holiday Holiday	.00	.00	297.80	747.24	.00
R						
51101.390P	S&W Personal Personal	.00	.00	199.68	299.93	.00
R						
51102	Salary & Wages Part Time	59,784.00	59,784.00	10,882.12	23,885.90	58,772.00
	<i>Salary & Wages Totals</i>	\$110,944.00	\$110,944.00	\$33,687.09	\$67,138.20	\$110,829.00
	<i>Salary & Wages Totals</i>	\$110,944.00	\$110,944.00	\$33,687.09	\$67,138.20	\$110,829.00
	Fringe Benefits					
	Fringe Benefits					
51201	Social Security	8,487.00	8,487.00	2,433.45	4,923.70	8,478.00
51202	Retirement	3,325.00	3,325.00	1,798.84	3,421.57	3,540.00
51203	Dental Insurance	1,278.00	1,278.00	639.12	1,119.99	1,278.00
51204	Health Insurance	24,480.00	24,480.00	12,240.00	21,449.38	24,480.00

Account	Account Description	2022 Adopted Budget	2022 Amended Budget	2022 Actual Amount	2022 Projected Amount	2023 Co Admin/Fi Dir Recomm
Fund 100	General Fund					
	EXPENSE					
	Department 35 - Museum					
	Sub-Department 5111 - Museum					
	<i>Fringe Benefits</i>					
	<i>Fringe Benefits</i>					
51205	Life Insurance	5.00	5.00	1.56	3.09	5.00
51206	Workers Compensation	211.00	211.00	64.00	127.52	212.00
	<i>Fringe Benefits Totals</i>	\$37,786.00	\$37,786.00	\$17,176.97	\$31,045.25	\$37,993.00
	<i>Fringe Benefits Totals</i>	\$37,786.00	\$37,786.00	\$17,176.97	\$31,045.25	\$37,993.00
	<i>Purchased Services</i>					
	<i>Professional Services</i>					
52120	Consulting Services	500.00	500.00	.00	.00	.00
	<i>Professional Services Totals</i>	\$500.00	\$500.00	\$0.00	\$0.00	\$0.00
	<i>Fuel, Utilities, Telephone</i>					
52206	Telephone	2,100.00	2,100.00	292.04	633.15	2,100.00
	<i>Fuel, Utilities, Telephone Totals</i>	\$2,100.00	\$2,100.00	\$292.04	\$633.15	\$2,100.00
	<i>Repair & Maintenance</i>					
52302	Service Contracts	350.00	350.00	.00	.00	.00
52302.0003	SC-Software-Museum Museum	2,160.00	2,160.00	1,877.30	2,819.81	3,448.00
5						
52314	Museum Exhibits	5,000.00	4,600.00	530.44	796.75	5,000.00
	<i>Repair & Maintenance Totals</i>	\$7,510.00	\$7,110.00	\$2,407.74	\$3,616.56	\$8,448.00
	<i>Other Purchased Services</i>					
52403.0423	Advertising/Market Plan Advertising/Market Plan	2,300.00	2,300.00	1,850.20	2,809.15	2,300.00
9						
	<i>Other Purchased Services Totals</i>	\$2,300.00	\$2,300.00	\$1,850.20	\$2,809.15	\$2,300.00
	<i>Purchased Services Totals</i>	\$12,410.00	\$12,010.00	\$4,549.98	\$7,058.86	\$12,848.00
	<i>Materials & Supplies</i>					
	<i>Materials & Supplies</i>					
53102	Postage	500.00	500.00	.00	.00	500.00
53106	Office Supplies	750.00	750.00	205.93	1,152.77	750.00
53109	Publication&Subscription	2,300.00	2,300.00	1,145.00	1,719.86	2,300.00
53110	Operating Supplies	2,000.00	2,000.00	455.39	794.26	2,000.00
	<i>General Government</i>					
53189	Museum/Archive Programs	2,000.00	2,000.00	.00	300.41	2,000.00
	<i>General Government Totals</i>	\$2,000.00	\$2,000.00	\$0.00	\$300.41	\$2,000.00
	<i>Materials & Supplies Totals</i>	\$7,550.00	\$7,550.00	\$1,806.32	\$3,967.30	\$7,550.00
	<i>Materials & Supplies Totals</i>	\$7,550.00	\$7,550.00	\$1,806.32	\$3,967.30	\$7,550.00

Account	Account Description	2022 Adopted Budget	2022 Amended Budget	2022 Actual Amount	2022 Projected Amount	2023 Co Admin/Fi Dir Recomm
Fund 100 - General Fund						
EXPENSE						
Department 35 - Museum						
Sub-Department 5111 - Museum						
Travel & Training						
Employee Travel & Training						
54101	Conference Fees & Training	250.00	250.00	.00	.00	250.00
54102	Training Mile,Meals,Lodge	100.00	100.00	.00	.00	100.00
	<i>Employee Travel & Training Totals</i>	\$350.00	\$350.00	\$0.00	\$0.00	\$350.00
	<i>Travel & Training Totals</i>	\$350.00	\$350.00	\$0.00	\$0.00	\$350.00
<i>Interdepartment Charges</i>						
<i>Interdepartment Charges</i>						
55106	Printing	750.00	1,150.00	977.68	1,468.53	800.00
55107	Leased Copying	250.00	250.00	.00	.00	250.00
	<i>Interdepartment Charges Totals</i>	\$1,000.00	\$1,400.00	\$977.68	\$1,468.53	\$1,050.00
	<i>Interdepartment Charges Totals</i>	\$1,000.00	\$1,400.00	\$977.68	\$1,468.53	\$1,050.00
<i>Outlay</i>						
<i>Outlay</i>						
69901	Capital Outlay	7,560.00	7,560.00	.00	.00	35,000.00
	<i>Outlay Totals</i>	\$7,560.00	\$7,560.00	\$0.00	\$0.00	\$35,000.00
	<i>Outlay Totals</i>	\$7,560.00	\$7,560.00	\$0.00	\$0.00	\$35,000.00
	Sub-Department 5111 - Museum Totals	\$177,600.00	\$177,600.00	\$58,198.04	\$110,678.14	\$205,620.00
	Department 35 - Museum Totals	\$177,600.00	\$177,600.00	\$58,198.04	\$110,678.14	\$205,620.00
	EXPENSE TOTALS	\$177,600.00	\$177,600.00	\$58,198.04	\$110,678.14	\$205,620.00
Fund 100 - General Fund Totals						
	REVENUE TOTALS	\$15,000.00	\$15,000.00	\$2,314.14	\$7,426.16	\$35,000.00
	EXPENSE TOTALS	\$177,600.00	\$177,600.00	\$58,198.04	\$110,678.14	\$205,620.00
	Fund 100 - General Fund Totals	(\$162,600.00)	(\$162,600.00)	(\$55,883.90)	(\$103,251.98)	(\$170,620.00)
Net Grand Totals						
	REVENUE GRAND TOTALS	\$15,000.00	\$15,000.00	\$2,314.14	\$7,426.16	\$35,000.00
	EXPENSE GRAND TOTALS	\$177,600.00	\$177,600.00	\$58,198.04	\$110,678.14	\$205,620.00
	Net Grand Totals	(\$162,600.00)	(\$162,600.00)	(\$55,883.90)	(\$103,251.98)	(\$170,620.00)

Door County Archives Storage Breakdown		Current Plan	
	Current Collection (Linear Feet)	25% Growth	50% Growth
Archives 1 - Library	120	150	180
Archives 2 - Library	54	67.5	81
Archives 3 - Government Center	38	47.5	57
Museum Archives	20	25	30
Total	232 lft	290 lft	348 lft
Square Footage	959 sqft	1200 sqft	1438 sqft

Additional Collections			
	Estimated Quantity	25% Growth	50% Growth
Maritime Museum Archives	150 lft	187.5 lft	225 lft
Square Footage	620 sqft	775 sqft	930 sqft
Municipal Collections w/o DCMM	120 lft	150 lft	180 lft
Square Footage	495 sqft	620 sqft	743 sqft

**All linear footage and square footage figures with the exception of the current plan totals are estimates, and should be treated as examples only



DOOR COUNTY

Resolution No. 2022-____

**AUTHORIZATION TO PROCEED WITH PHASE II -
DOOR COUNTY ARCHIVES AND HISTORICAL MUSEUM FACILITY
CONSTRUCTION PROJECT**

TO THE DOOR COUNTY BOARD OF SUPERVISORS:

ROLL CALL Board Members	Aye	Nay	Exc.
AUSTAD			
BEARDSLEY			
BULTMAN			
CHOMEAU			
D. ENGLEBERT			
R. ENGLEBERT			
ENIGL			
FISHER			
GAUGER			
GUNNLAUGSSON			
HEIM PETER			
KALMS			
LIENAU			
MILLER			
MORKIN			
NORTON			
ROBILLARD			
RUSNAK			
THAYSE			
VOGEL			
ZETTEL			

BOARD ACTION

Vote Required: Majority Vote of a Quorum

Motion to Approve Adopted

1st _____ Defeated

2nd _____

Yes: _____ No: _____ Exc: _____

Reviewed by: _____, Corp. Counsel

Reviewed by: _____, Administrator

FISCAL IMPACT: The fiscal impact is a decrease of \$371,800 to the Museum Expansion Project Reserve which leaves a balance in this line item of \$2,181.61.
STW

Certification:

I, Jill M. Lau, Clerk of Door County, hereby certify that the above is a true and correct copy of a resolution that was adopted on the 26th day of July, 2022 by the Door County Board of Supervisors.

Jill M. Lau
County Clerk, Door County

1 **WHEREAS**, Door County’s Historic Museum and Archives Facility
2 Construction Project (“Project”) has been the subject of various resolutions,
3 including Resolution No. 2010-91 (adopted 10-25-2010), Resolution No.
4 2015-55 (adopted 06-23-2015) Resolution No. 2016-13 (adopted 02-23-
5 2016), Resolution No. 2016-21 (adopted 03-22-2016), and Resolution No.
6 2022-46 (adopted 04-26-2022); *and*

7
8 **WHEREAS**, Phase I of this project, as authorized by Resolution No.
9 2022-46, has been completed; *and*

10
11 **WHEREAS**, This Project serves a public purpose, and it is deemed
12 appropriate to timely move forward with Phase II (design and construction
13 documents and competitive bidding) and Phase III (construction); *and*

14
15 **WHEREAS**, The Highway and Facilities Committee has reviewed the
16 Phase I objectives and recommends advancing to Phase II of the Project.
17 That the sum of 6.76% or \$371,800 of the estimated construction cost of
18 five million five hundred thousand dollars (\$5,500,000) has been
19 appropriated and is currently available for this Project; *and*

20
21 **NOW, THEREFORE, BE IT RESOLVED**, by the Door County Board
22 of Supervisors, that Phase II of this Project is hereby authorized to proceed.

23
24 **BE IT FURTHER RESOLVED**, that Dorschner Associates Inc. is
25 retained as Door County’s design professional for this Project.

26
27 **BE IT FURTHER RESOLVED**, that upon completion of Phase II there
28 will be an interim report to, and authorizing resolution from, the County
29 Board of Supervisors before Phase III moves forward.

30
31 **BE IT FURTHER RESOLVED**, that the County Administrator or their
32 designees, subject to the general oversight of the Facilities and Parks
33 Committee. is responsible for oversight and execution of this Project.

SUBMITTED BY:
Highway & Facilities Committee

Roy Englebert, Chairperson

Alexis Heim Peter

Daniel Austad

Walter Kalms

Ken Fisher

Todd Thayse

Elizabeth Gauger

Resolution No. 2022-____

REVISION OF HORSESHOE BAY CAVE MANAGEMENT PLAN



TO THE DOOR COUNTY BOARD OF SUPERVISORS:

ROLL CALL Board Members	Aye	Nay	Exc.
AUSTAD			
BEARDSLEY			
BULTMAN			
CHOMEAU			
D. ENGLEBERT			
R. ENGLEBERT			
ENIGL			
FISHER			
GAUGER			
GUNNLAUGSSON			
HEIM PETER			
KALMS			
LIENAU			
MILLER			
MORKIN			
NORTON			
ROBILLARD			
RUSNAK			
THAYSE			
VOGEL			
ZETTEL			

1 **WHEREAS**, The *Horseshoe Bay Cave Management Plan* was
2 approved by adoption of Resolution No. 2014-59 on June 24, 2014;
3 *and*
4
5 **WHEREAS**, A rewrite of *Ch. 7: Cave Safety Strategy* of the
6 *Horseshoe Bay Cave Management Plan* was deemed appropriate
7 and undertaken by staff with assistance from interested parties; *and*
8
9 **WHEREAS**, The Highway & Facilities Committee, at its August
10 10, 2022 meeting, considered and recommends approval of the
11 proffered rewrite of *Ch. 7: Cave Safety Strategy* of the *Horseshoe*
12 *Bay Cave Management Plan* (attached hereto as *Exhibit A*, and
13 incorporated by reference herein as if fully set forth).
14
15 **NOW, THEREFORE, BE IT RESOLVED**, That the Door County
16 Board of Supervisors hereby approves the proffered rewrite of *Ch. 7:*
17 *Cave Safety Strategy* of the *Horseshoe Bay Cave Management*
18 *Plan*.
19
20 **BE IT FURTHER RESOLVED**, That, except as specifically
21 revised by this resolution, the *Horseshoe Bay Cave Management*
22 *Plan* shall continue in full force and effect.

BOARD ACTION
Vote Required: Majority Vote of a Quorum

Motion to Approve Adopted

1st _____ Defeated

2nd _____

Yes: _____ No: _____ Exc: _____

Reviewed by:
_____, Corp. Counsel

Reviewed by:
_____, Administrator

FISCAL IMPACT: There is no
fiscal implication with the adoption
of this resolution. STW

Certification:
I, Jill M. Lau, Clerk of Door County, hereby certify
that the above is a true and correct copy of a
resolution that was adopted on the 23rd day
of August, 2022 by the Door County Board of
Supervisors.

Jill M. Lau
County Clerk, Door County

SUBMITTED BY:
Highway & Facilities Committee

Roy Englebert, Chairperson

Daniel Austad

Ken Fisher

Elizabeth Gauger

Alexis Heim Peter

Walter Kalms

Todd Thayse

CHAPTER 7: CAVE SAFETY STRATEGY

Contents

Introduction	2
Risk & reducing risk.....	2
Safety planning	3
Emergency resources.....	3
General Safety Strategy	5
Preparing for a safe trip	5
Visitor preparation & screening.....	6
Top-Cover Procedure	7
Top-cover roles & responsibilities	7
Roles and responsibilities	7
Incident Command System (ICS).....	7
Communications Liaison (Public Information Officer—PIO)	8
Alerting emergency contacts of trip participants	8
Defining the problem: initiating search/rescue	8
.....	9
In-cave response to a known event (caver medical emergency or injury).....	9
Overdue party response	9
Responding to break-ins, mental health concerns, and suspected criminal activity	10
Search phase	10
Entrance control	10
Emergency/rescue response.....	11
ICS Underground Teams	11
Reporting for trips and incidents	12
Clothing & Equipment.....	12
Clothing.....	12
Equipment.....	13
General guidance for trip participants.....	14
Conservation & safety during search & rescue.....	14

Safety Strategies & Guidance by Zone.....	16
Management Zone 1.....	17
Management Zone 2.....	18
Low-air space in the Duck-Under.....	20
Management Zone 3.....	22
Management Zone 4.....	23
Safely navigating the Crevice.....	24
Safely navigating low-air space.....	24

Introduction

Safety (risk management) is a primary consideration in the management of HSB Cave. That being stated, it must be recognized that the County cannot make HSB Cave completely safe at all times for all users.

The purpose of this Cave Safety Plan is to establish procedures, processes and protocols that can be followed to assure minimal risk to persons entering HSB Cave. This Plan consists of risk assessment, pre-planning, cave safety guidelines, and service and rescue. It is intended to be goal-directed versus prescriptive.

Having adequate training and reliable equipment are the main points of all versions of safe caving guidelines. Safe use of equipment can be achieved only by sharing information, teaching and demonstrations. Chances of being injured are reduced by awareness of dangers and by knowledge of equipment and techniques.

Risk & reducing risk

Statistically, caving accidents are mostly attributed to poor judgment, little or no caving experience and falls. The National Speleological Society compiles annual NSS American Caving Accidents reports. According to these reports, the most common causes of caving accidents include: falling, being struck by falling objects and hypothermia.

To reduce the risk of falling, avoid jumping and uncontrolled sliding down slopes, wear proper footwear, check and discard any faulty or worn vertical equipment and obtain proper training. When caving, always maintain three points of contact when moving over uneven ground. This means having three points on your body supported on immovable objects to stabilize your body while moving through difficult areas.

Injury caused by falling objects are best avoided by always wearing a helmet. It is best to stay clear of the base of drops and climbs when someone is climbing. When moving in vertical areas, secure all items of equipment so that they will not drop on cavers below. Always yell "ROCK!" for all falling objects, even if it's a water bottle. Saying "WATER!" takes too much time and might be confusing for those below.

Hypothermia is one of the most important considerations in Horseshoe Bay Cave due to its unavoidable wet, cold conditions. Hypothermia is less of a concern when moving through the cave due to keeping warm through activity but is of great concern should someone become incapacitated and need to wait for rescue. The first signs of hypothermia are fatigue, drowsiness, exhaustion, unwillingness to go on, feeling cold, poor coordination and stumbling. Additionally, cold-season trips into Horseshoe Bay Cave should include plans for sheltering from the elements while changing outside the cave, but before entering a warm vehicle. This can include placing cars in a way to block wind, having warm water thermoses on hand, plenty of towels, and a tarp to stand on (rather than on snow).

Not all caving problems involve injuries. People become lost in caves, become stuck or are unable to climb up a ledge or continue crawling to get out of the cave. Exhaustion and a lack of light (or light failure) are other hazards to consider. Personal medical emergencies could arise, such as heart attack, seizure, or stroke. Entrapment by flooding is a possible occurrence in Horseshoe Bay Cave and trip leaders need to constantly check the weather forecast prior to the trip and alter plans if necessary.

Safety planning

When planning a cave trip into Horseshoe Bay Cave, several topics should be included in pre-trip planning. Proper preparation will help ensure a safe trip and will help to mitigate hazard risks.

Emergency resources

If an emergency should occur, the County Parks Manager holds a current list of both local community contacts and groups that could be called upon to provide incident response and a list of potential volunteers with specific HSB Cave or cave rescue experience.

Community resources

In addition to standard fire and rescue groups there are several community resources available that could become useful depending on the emergency. These include,

- Local marinas, dredgers, and ship builders who may have resources in the event of a large-scale lengthy rescue (i.e. water pumping systems, confined space evacuation equipment)
- WI DNR Bat Program staff can provide guidance and possibly in-person assistance because they are familiar with the cave and regularly use the cave for bat monitoring and research trips
- National Cave Rescue Commission offers rescue training, equipment guidance, rescue guidance, possible pre-rigging assistance. However, they do not perform rescues. Website: <http://ncrc.info/>
- Complete rescue guidance is provided in the book [*On Call: A Complete Reference for Cave Rescue*](#), 2001 Edition, published by the National Speleological Society and available on their [website](#)

An emergency card with initial response instructions and phone numbers for an incident at HSB Cave are to be kept with the cave key. This card should be taken inside the cave and remain with the key near

the cave entrance during each trip if top-cover is not available on-site (such as during public tours with a staffed registration station).

Safety & rescue training

All Trustees entering HSB Cave should participate in cave safety orientations provided by Door County Parks. Even if only public interpretive tours are planned in Zones 1 and 2, no part of the cave is completely hazard free. The loss of a light source in Zone 2 could be just as disorienting and worrisome as in Zone 3. Similarly, a personal medical emergency of any kind, in any zone, would require a plan for evacuation.

Door County Parks will provide opportunities to develop and support Trustees. This may include workshops concerning mock rescues and technique instruction to enhance caving skills such as crevicing and negotiating low air spaces.

An important resource is the National Cave Rescue Commission (NCRC), which offers an introductory level two to three-day program which consists of classroom and field work in all phases of horizontal cave rescue including: underground environment, extrication techniques, communication systems, medical management, and organization and management of cave rescue. The basic orientation course material is appropriate for HSB Cave trip leaders (e.g., Trustees), emergency services personnel, and rescue management personnel. An all-day mock rescue is usually included.

The NCRC offers annual cave rescue seminars in other states which are available to cave volunteers and emergency personnel. Cave rescue is constantly evolving, and a wide variety of techniques are presented at each year's seminar. The seminar emphasizes rescuer preparedness and safety, cave travel skills, understanding the cave environment, patient care and stabilization, evacuation techniques applicable to cave passage, single rope techniques for personal movement, rope rescue techniques, medical considerations, underground communications, and incident management.

Additionally, Wilderness First Aid (WFA) courses are offered periodically by the Red Cross, NOLS, and Wilderness Medical Associates International. WFA is typically a 16-hour course that offers a hands-on introduction to responding to medical emergencies in isolated locations. WFA training would be useful training for Trustees leading trips into Zone 4.

Rescue cache

Door County intends to supply and maintain two cave rescue caches. A simple cache will be located in a water-proof barrel inside the cave at the junction between Zones 3 and 4 above the Crevice/Dining Room area. This should only be opened in case of emergency. The rescue cache should be brought out of the cave and checked or updated at least once every ten years. A more complete rescue cache will be located in the HSB gear trailer or Building 10 and includes larger items like a rescue Sked and extra wetsuits for rescue volunteers.

Internal cave cache

1. Aluminum folding ladder is to be staged at the Dining Room to be used at the crevice.
2. A water-proof barrel is to be staged in the Dining Room. Its contents may include:

- For hypothermia
 - Thermal sleeping pad
 - Thermal underwear & fleece
 - Hat
 - PVC “dry” cave suit
 - Candle (also a light source such as glow-sticks)
 - Space blanket
 - Three plastic ponchos
- For injuries
 - First aid kit
 - SAM splints for long bones and fingers
- For rescue
 - 6 ft Etrier (foot loops)
 - Adjustable chock-blocks (for leverage in Crevice)

External cave cache

May be in gear trailer or in Building 10

1. First aid kit
2. Sked (stretcher/drag sheet) & OSS (Oregon Spine Splint)
3. Towels for padding patient in Sked
4. Face shield for patient in Sked
5. 2 lengths of 50 ft static climbing rope
6. Carabiners
7. Climbing pulley
8. Tubular stitched webbing loops
9. Military field phones and 1000 ft of wire

Other Wisconsin rescue resources

- DNR Sked & OSS (located at the DNR Science Operations Center in Madison, contact WI Bat Program staff)
- WSS Sked & OSS (located at Ledge View Nature Center in Chilton)
- Military field phones and 1000 ft of wire: a set is also available from caver Joe Senulis in Madison

General Safety Strategy

Preparing for a safe trip

Safety begins well before the day of the cave trip. Individuals interested in caving are often comfortable with some level of risk. To prepare for a cave trip, a person must consider risks, try to anticipate problems, and think about unknowns. Never go into the cave without at least taking a few minutes to think about the things that can go wrong on a trip. Additionally, there are a few other preparations that should take place prior to entering the cave:

✓ Weather check

Several days in advance of each trip, the trip leader (Trustee or Parks Manager) should check the weather forecast for rain for the date of the scheduled trip. Continue to check the forecast right up until the trip takes place. Trips in Zone 1 and 2 up to the Duck Under can usually continue during inclement weather. Otherwise, trip plans should be changed if anything more than light rain is forecast, additionally extreme winter warm-ups (winter whiplash) should be considered due to flooding potential in HSB Cave. Trips beyond the Duck Under should be canceled or rescheduled if heavy rain or thunderstorms are forecast for the timing of the trip. Water during flooding has never been observed higher than half the height of the passageway between the Rocky Mountain Room and Entrance. Door County Parks may cancel any and all cave trips due to an inclement weather forecast.

✓ Gear check

Prior to each trip underground, check all equipment to make sure that it is working properly. If last minute repairs or adjustments need to be made to the equipment, they should be completed before heading underground. A safe cave trip starts with mindful preparation. Taking the time to “do it right” will, among other things, keep individuals safe and healthy and reduces the likelihood of a rescue.

✓ Light check

An individual’s primary light source needs to be mounted to the helmet. Consider mounting a second light just in case the primary light fails. This is particularly useful if a trip the involves navigating the vertical Crevice. The general rule for lights is never go underground without at least three sources of light and sufficient extra batteries. Sources of light should be able to last at least twice as long as the planned trip. The objective of these light sources is to see well enough to get out of the cave after a primary light source has failed.

✓ Contact Top-cover

The Top-cover is a person responsible for making sure a cave trip returns to the surface. Remember to let the designated Top-cover know the trip is departing along with the plan for the trip and designated time out.

Visitor preparation & screening

Most safety preparation occurs before even entering the cave. Visitors should be prepared with both information and the appropriate clothing and equipment before every trip.

Everyone going on the trip should be physically and mentally ready for the challenges that will be associated with the trip. They should also have the skills required for the kind of cave. For example, does someone have a limiting medical condition? Is someone claustrophobic or prone to panic attacks? The bottom line is, if you think that you or someone else on the trip is not up to challenges that you will be encountering, it is far better to bring it up before a serious problem arises inside the cave.

Trustees and Door County Parks will let visitors know what the cave is like, in measurable terms, such as: “you need to be able to army crawl the length of a football field and back” (i.e. go to the Big Room), or

“you need to be able to crawl on your hands and knees for about 400 feet”. Remind people that the cave will be very dark, feel relatively cool, and that they will be getting wet in cold puddles.

Recommend that group members inform the trip leader if know if they are prone to claustrophobia or have other concerns before entering the cave. Suggest they can pull the trip leader aside privately to disclose this if they wish. Remind visitors that they can easily leave the cave (from public tours) if they feel they need to.

When caving it is important to remain clear headed. Drugs, including alcohol, that affect alertness, judgment, or ability to think clearly make an individual a threat to group safety.

Top-Cover Procedure

Designating a person to hold the role of “top-cover” is a standard cave safety procedure. Essentially it involves appointing a specific responsible individual to keep watch of the time, hold information about your cave trip plans, and know who to contact, and when, should an emergency arise.

Top-cover roles & responsibilities

1. Knowledge that a party is entering the cave
 - a. Note approximate time of entry (simply keep the text/phone call time stamp)
2. Know the precise time when a party is due out of the cave
 - a. Check your phone messages close to the “out” time to ascertain if the group has made it out
3. Keeping track of the time and being available by phone so you know if a party is overdue
4. Know who the trip leader (Trustee) is and know where to find a list of other trip participants (usually this will be with the County Parks office)
5. If a group is overdue, first try contacting the group leader or secondary contacts in the group (in case someone forgets to report that the group is already out)
6. Know who to call if a party is overdue (the County Parks Manager is backup if the primary Top-cover cannot be reached.)

Roles and responsibilities

Incident Command System (ICS)

The Door County Sheriff’s office is responsible for county-level search and rescue and will serve as **Incident Commander** for all search and rescue operations.

Underground Coordinator

In collaboration with Door County Parks the Door County Sheriff should designate, under ICS) a qualified Underground Coordinator familiar with HSB Cave to manage all underground activities.

Communications Liaison (Public Information Officer—PIO)

Door County will designate a spokesperson to communicate with the media and family members. No information about the patient or rescue should be given out except via this channel.

Alerting emergency contacts of trip participants

Contact with family members of missing or injured cave trip participants should only occur via a designated family liaison

Defining the problem: initiating search/rescue

Cave emergencies generally begin one of two ways: with a call to local emergency response (911) from a caver with a known emergency, or from parents or friends who are concerned when their cavers have not returned from a trip. Based on cave emergency documentation, three types of missions tend to follow the call-out: a search for the overdue party, an evacuation of a caver with an injury or medical emergency, or a search based on a mental health concern (suicidal individual) or criminal activity.

In-cave response to a known event (caver medical emergency or injury)

Remain calm if unexpected or emergency circumstances occur. Good communication between group members is critical at these times.

1. **Protect yourself first then your patient.** Don't become a victim yourself.
2. **Obtain safe access** to the injured person. Check for unsafe conditions before entering an accident site and correct all dangerous conditions.
3. **Determine extent of injuries and stabilize** the patient if you have the skill. Continue to treat for hypothermia prevention.
4. **Determine if the person can walk or crawl out.** If he or she can be assisted to climb and/or crawl out that may be the best course of action. If there is any chance of spinal injury, do not move the patient to prevent further injury.
5. If the injury is serious, use your own judgment. Begin to **take notes** about your patient. Record his or her pulse, respiration, and skin temperature with times on all data.
6. **Treat for shock and hypothermia prevention.** Keep the injured caver warm (and yourself, use buddy heat if possible).
7. **Inventory all equipment** in the group to determine what is available to help the patient survive, to aid others and determine what may be needed from the outside. Get the information to the surface.
8. **Send two people** to contact the County Parks Manager or local authorities or wait for Top-cover to initiate a search and rescue if that is most appropriate.
9. When two people leave for help they should leave as much food, water and dry clothing or wetsuits as possible for the people that remain with the patient. They should carry a copy of all notes concerning patient condition and location. Include information about your needs as well as what you have on site to treat the patient with. Make sure the help party knows how to access phone numbers and vehicle keys and use/unlock the cave gate.

Overdue party response

1. Attempt contact with the group leader or secondary contacts in the group (in case someone forgets to report that the group is already out)
2. If no phone response, immediately contact the County Parks Manager. The County Parks Manager then becomes the **Incident Commander** unless the **search response** is upgraded to **rescue response**.
3. Designate a person to drive to the cave and check the entrance area to see if the group is out.
4. If the party remains overdue initiate a **Search phase (see below)**
5. Put non-local Cave First Responders on alert status.
 - a. A person may be designated to make the alert contacts.

- b. Take clear notes about the scenario of the overdue group in the cave and also what is heard back from Cave First Responders (not available, etc.)
6. Designate a person on-site at the cave to serve as **entrance control** and begin keeping record (time/name/description) of people and gear entering and exiting the cave.

Responding to break-ins, mental health concerns, and suspected criminal activity

Anyone responding to a break-in or similar situation should use caution upon entering the cave and should involve law enforcement in the process of any search. It is unlikely that someone breaking into HSB Cave would venture beyond Zone 2, when crawling through cold water will rapidly deter most people unprepared with wet-suits and waterproof light sources. Therefore a search of Zone 1 and 2 will likely suffice in clearing the cave before re-securing the entrance gate.

Numerous caves in Wisconsin have been cited as location where individuals with mental health emergencies may be hiding and have been searched for this reason. Drug paraphernalia have frequently been found in caves and mines in Wisconsin. And, unfortunately, at least two different caves in Wisconsin have been the locations of suicide by gun. The welfare of individuals who break-in should not be taken lightly and law-enforcement should be tasked with searches where criminal activity or mental health emergencies are suspected.

Search phase

Goal: Gather information about why the caving party is overdue.

1. If there are enough **authorized responders/rescuers** available quickly initiate a hasty search using one or two people to the end of Zone 2 (Wall Room) without requiring wetsuits.
2. Other **authorized responders/rescuers** to search can spend this time getting geared up in wetsuits. A group minimum of two will be required for each hasty search team (i.e. Big Room search team and remainder of Zone 4 search team, if necessary).
3. Search the Big Room first
If a trip was planning to go farther than the Big Room, designate a search team to go to the Big Room first and then report back to a second search team who will either relay information back to the surface OR take over a search of Zone 4). This information can be communicated between teams at the top of the Crevice/Dining Room and can then be relayed back to the surface by whichever team is exiting the cave.

Entrance control

Goal: Prevent confusion about how many people are inside the cave and prevent unauthorized individuals from entering.

- Begin a timeline in list form noting the time the incident/overdue party occurred and who is involved (inside the cave).

- Do not allow anyone other than **authorized responders/rescuers** inside the cave.
- Record the name of everyone entering and exiting the cave.
- Record the pieces of equipment entering and exiting the cave beyond what a caver is wearing or carrying for their personal use (i.e. Sked, rope, pulleys, dry suit, etc.)
- Do not communicate any information to anyone other than **authorized responders/rescuers**. Direct any questions from the public or media to the **Communications Liaison** (PIO) designated by the **Incident Commander**

Emergency/rescue response

Goal: Aid, assist, stabilize, and/or evacuate a caving party.

- Depending on the situation an emergency may be already known (ex. medical emergency or injury from fall and trip participants call in from cave entrance) or an emergency may be discovered as a result of the hasty search (ex. flooding blocks a passage or the team all lost their light sources).
- Once more information is known, a full rescue call-out may likely be initiated by Door County Parks. At this time the Door County Sheriff will become the Incident Commander and the Incident Command System will be fully in place but should include the available cave rescue and cave rescue/responder resources already staged in this document.
- The Parks Manager or Incident Commander should designate an **Underground Coordinator** familiar with HSB Cave to be in charge of all in-cave operations.
- First and Second Responders should have already been placed on alert and should be called up at this time if not before (depending on their availability and proximity to HSB Cave).

ICS Underground Teams

It may be useful for the Incident Commander or Underground Coordinator to designate a number of teams to cover the various aspects of a cave rescue. These can include:

- **Entrance Control** to restrict cave access and keep logs of who and what went into the cave and came out of the cave.
- **Cave Equipment Team** to assist various personnel with clothing and gear necessary for their specific role inside the cave. This could include distributing, collecting, and cleaning gear and may involve help with gear transport inside the cave.
- **Initial Response Teams/Cave Search Teams** equipped with some medical and stabilization equipment to initially assist with helping the patient.
- **Medical Teams** that could consist of medics, doctors, or other specialists depending on patient needs.
- **Wire & Phone Teams** to install wire and haul telephones inside the cave and set up direct communication with the surface.
- **Stretcher Teams** of six to 15 people whose function is to carry the patient and stretcher out of the cave. The minimum number of people required is six but due to the constricted linear nature of HSB Cave group minimums of 10 to 12 would be better.

- **Evacuation Teams** that are responsible for preparing the cave in advance of stretcher movements and may assist with stretcher movements in difficult areas. This team will help determine and instruct any necessary rigging.
- **Rigging Teams** may specifically work to haul rigging gear and set up rigging. The team is usually composed of three to four highly trained vertical cavers. They can also assist the Stretcher Team in operating the system. It may be useful to tap the field phone line at any vertical points.
- **Documentation Teams** organize and record certain logs for personnel, equipment, patient movements and updates, etc.
- **Demobilization Teams** are activated to help terminate the operation and preserve records. They may be sent into the cave to coordinate equipment retrieval and clean-up.

Reporting for trips and incidents

It is desirable to have Trustees or other trip participants fill out a Trip Report after every trip beyond Zone 2, and particularly for trips that go into Zone 4 beyond the Dining Room. Trip Report forms can be found in the Appendices of the HSB Cave Management Plan.

Any incidents must be reported immediately to the County Parks Manager and the Trustee or other trip leader should fill out and submit an Incident Report within 48 hours following the incident. Incident Report forms can be found in the Appendices of the HSB Cave Management Plan.

Clothing & Equipment

Clothing

What is worn in a cave can make a big difference in ability to move safely and effectively. It can make an even bigger difference if someone becomes injured or disabled in the cave and needs to be rescued. What to wear in HSB Cave depends upon the Zone traveled to, time of year, and type of trip.

In Wisconsin the average cave temperature is close to 50° F year-round, and HSB Cave is this temperature throughout. HSB Cave is very wet and muddy. Getting soaked through is usually unavoidable beginning with the Duck Under in Zone 2. In winter months, and particularly in early spring near-freezing temperature meltwater enters the cave.

Door County Parks supplies, cleans, and maintains most necessary cave gear for all types of cave trips, including helmets, lights, coveralls or wetsuits, knee pads, some elbow pads, gloves, boots, and cave packs. Some additional equipment is also provided for certain types of trips, including teaching aids (maps, photos, models) and cave survey instruments.

Plan to layer clothing (and wetsuit pieces) to suit the planned activity level and type of trip (carry extra layers for trips where there will be a lot of sitting still like photography and survey, and make sure they are in a waterproof bag or are wetsuit pieces). Wear a swim suit underneath wetsuits. Cavers may wish

to use synthetic materials, such as polypropylene or nylon base layers under wetsuits as well. For trips in Zone 1 and 2 of HSB Cave, cotton coveralls with layers of either fleece or polypropylene undergarments should suffice. The same can potentially be worn for short trips in Zone 3, depending on type of trip and season.

Dress to have an acceptable range of motion when wearing this clothing. For trips that involved long periods of inactivity (more than ten minutes, such as during cave survey) consider bringing along (but not always wearing) extra wetsuit pieces, including hoods. Strenuous activity means getting too warm too quickly and thicker wetsuits are more restrictive when crawling.

Wear neoprene gloves and neoprene socks for trips past Zone 2. People with long hair should tie it back, preferably in a bun. It is best if the hair fits under the helmet. Boots need to have a firm sole and tread.

Equipment

Knee pads are required in HSB Cave and come in a variety of styles. Pads that cover both the knees and shins are particularly helpful. Elbow pads are extremely helpful for trips beyond Zone 2.

Helmets are required in the cave. Your helmet should be UIAA-approved and have a 4-point chin strap. It should also fit comfortably and have good structural integrity.

An individual's primary light source needs to be mounted to the helmet. Consider mounting a second light in case the primary light fails. This is particularly useful for trips navigating the vertical Crevice.

A cave pack is required for trips beyond Zone 2. Carry personal food, water, extra clothing, spare batteries, contact lenses cases and/or eye drops (there are lots of splatters of muddy water when crawling). Do not place items in pockets. Leave car keys locked or hidden just inside the cave entrance or elsewhere. Plan for worst-case scenario regarding water, assume all items will be submerged during the trip and keep valuables out of the cave. Protect items adequately. Fragile items like cameras or survey instruments should be put inside a rugged container.

A first aid kit is to be staged in HSB Cave, but will be located inside the rescue cache near the Dining Room/Crevice, so consider carrying one additional small first aid kit per group if traveling beyond Zone 3. Other personal emergency items can include a large plastic garbage bag or space blanket and small candle with matches which can fit inside the top of a helmet.

Bring a complete change of clothes to ride home in and arrange a means to carry personal dirty clothes home. A large plastic bag or storage tote works well. This is especially important for vehicles that will travel to more than one cave, due to the propensity of White-nose syndrome fungal spores to cling to clothing and gear. Clothing, equipment, and gear that has been used in HSB Cave needs to either be dedicated to that cave or appropriately decontaminated (according to the latest WDNR and USFWS protocols) before being used underground elsewhere.

General guidance for trip participants

- The slowest caver sets the pace. Don't break up the party. Experienced cavers have become lost in even seemingly easy, straight passages. Caving is a team effort.
- Caving is extremely tiring. Know your limitations, rest frequently and watch for fatigue in others.
- Avoid Hypothermia. Dress well and monitor each other for the first signs of hypothermia, which is shivering. To combat hypothermia, keep active, well fed, well hydrated and don't become exhausted.
- Don't take risks. Caves can be the most remote places you'll ever go. Even an injury that is minor at home, could put your life at risk in a cave. Rescuing a person from a cave is a very technical and difficult operation.
- Leave bats undisturbed. From October 1 through May 15 waking a bat only once could lead to its death (hence cave entry is prohibited during this period, and work involving voices and loud noise should not occur in close proximity to the cave entrance during this period). Although mostly harmless, bats are wild animals, never try to touch one or pick one up. Bat carcasses, if in good condition, can be bagged and carried out of the cave (outside the cave keep the carcass refrigerated and later fill out a Sick/Dead Bat Report on the WDNR Bat Program web pages).
- Carry out trash. Take anything you bring into a cave out with you: it leaves an unsightly mess for the next person. If you are the next person and find some trash pack it out with you. All responsible cavers do.
- Do not touch formations. Even very small cave formations take thousands of years to develop. In a cave, any footprint, change or damage is essentially permanent. Touching cave formations puts dirt on them which can become embedded in the formation marring its beauty forever. Some of the most beautiful cave formations occur on the floors of caves so be careful where you step. Please leave all formations undisturbed.
- Avoid touching the walls and ceiling, particularly in Zone 1 and 2 where spotty clay vermiculations and microbial colonies cover the walls. Finger and handprints remove these habitats and mar the cave (mud from your hand may NEVER get washed away by natural water).
- Bring a freezer bag to remove your waste. Such waste pollutes the cave environment, and water, can harm fragile species that are known to inhabit caves. It is also true that the place you leave your solid waste is likely to be the place you discover that you want to explore during the next trip. In most caves, it is required to bring a bottle to pack out liquid waste. In HSC Cave extended trips into Zone 4 (survey, etc. are allowed to leave urine in the cave as it is generally too difficult to remove a wetsuit).
- Remain calm if unexpected or emergency circumstances occur. Good communication between group members is critical at these times.

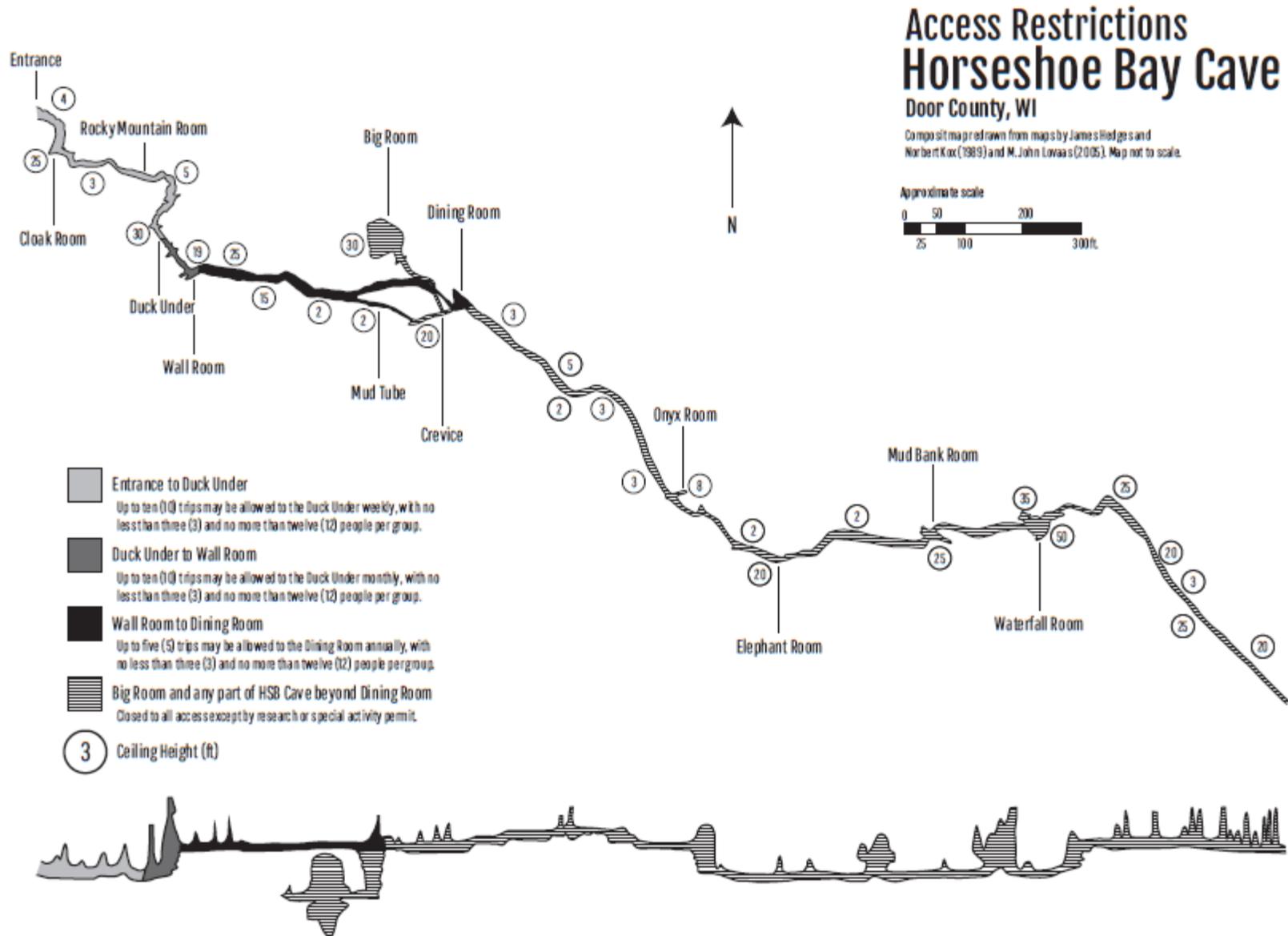
Conservation & safety during search & rescue

Caves contain potential dangers to cavers, park employees and other visitors. A large scale search or rescue will require the assistance of outside resources, organized and managed by the County, but the

County alone will be responsible for an initial response, based upon the procedures described in the Cave Safety Plan (Chapter 4).

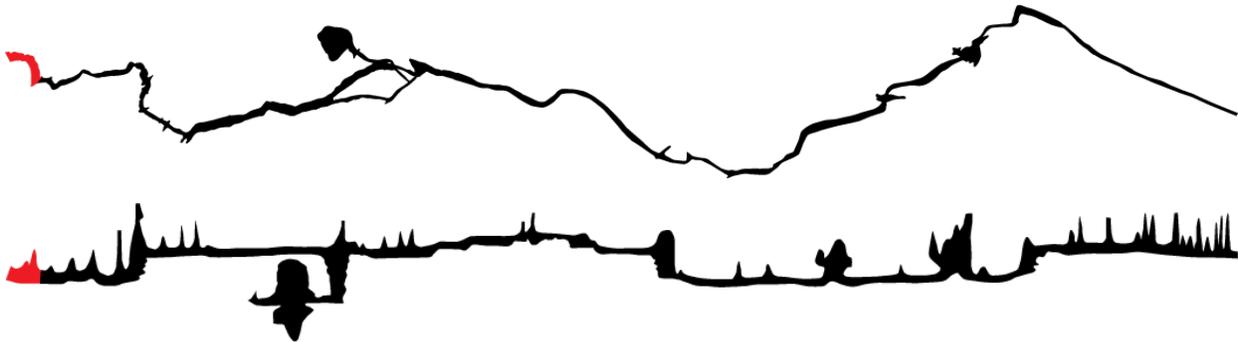
The cave resources of HSB Cave are unique and significant. Cave rescue operations can easily have a detrimental effect on these resources and rescuers must consider the cave in their operations. In situations where the safety of the victim can be maintained, options which help to protect the cave must be exercised. Examples of options which may be available include alternate passages, alternate routes in the same passage, rigging areas to avoid a high volume of rescuer traffic, padding or covering cave formations, careful placement of litter bearers, use of "spotters" to assist rescuers in avoiding speleothems, speleogens and other features, and having rescuers follow the normal trails and routes used by cavers on recreational or research trips into a respective cave, etc.

Rescue operations when bats are present (October 1- May 15) shall endeavor to minimize disturbance to hibernating bats. (For example, rescuers may not wait in the cloak room or discuss operations in/near the Cloak Room if staging and discussions can take place outside the cave or in areas with fewer hibernating bats.)



Management Zone 1

(Detailed zone maps & photos can be found in the appendices)



Passages / Rooms – Up to and including the Cloak Room

Zone 1 Access Restrictions

Open to use with the fewest number of restrictions. This zone contains few vulnerable or fragile resources or is an area where many of the most vulnerable or fragile resources have already been disturbed or damaged and presents minimal safety/rescue concerns.

Up to ten (10) trips may be allowed to the Cloak Room weekly, with no less than three (3) and no more than twelve (12) people per group.

Safety Strategies & Guidance for Zone 1

Individuals entering Access Zone 1 will need a personal or shared light source (daylight is visible from the Cloak Room) and are required to wear a helmet.

Knee pads and gloves may be preferred by some visitors due to the need to hands and knees crawl. Street clothes or cotton cave suits are acceptable for Zone 1, as are street shoes or rubber boots. A sweatshirt and long pants may be preferred by many.

Group leaders may wish to carry a pack with extra light sources, teaching aids, or sampling equipment. Group members are not required to carry a pack.

Trustees and other group leaders should use normal top-cover procedure when using this part of the cave. However, multiple tours or groups being guided to the Cloak Room per day can be thought of as one “day-long” cave trip for purposes of top-cover (ex. Several group tours will begin entering the cave at 9am and the final groups will be finished and everyone out by 3pm, at which time the top-cover can be notified that all are out).

A list of group member names and emergency contact details are not necessary for group participants in Zones 1 and 2 who will remain so close the cave entrance (ex. school field trip and public tour days).

Caution visitors before every cave trip that they will be crawling on hands and knees in dark conditions. Let visitors know that they may leave the cave at any time if they feel unwell or for any other reason. Visitors may leave the group from the Cloak Room without an escort given that daylight is visible throughout this zone.

Management Zone 2

(Detailed zone maps & photos can be found in the appendices)



Passages / Rooms – Up to and including the Wall Room

Zone 2 Access Restrictions

Open to use with the same restrictions as Zone 1 up to the Duck Under. Open to use with greater restrictions than Zone 1 from the Duck Under to the Wall Room. The resources are more fragile or vulnerable than in Zone 1, and present some safety/rescue concerns. Consequently, each visit may result in additional resource impacts and safety/rescue issues.

Up to ten (10) trips may be allowed to the Duck Under weekly, with no less than three (3) and no more than twelve (12) people per group. Up to ten (10) trips may be allowed to the Wall Room monthly, with no less than 3 and no more than 12 people per group. Trips to Management Zone 2 cannot, without the prior approval of the Parks Director or his/her designee, be conducted concurrent with Management Zone 1 trips.

Safety Strategies & Guidance for Zone 2

Individuals entering Access Zone 2 are required to have a personal light source (daylight is visible from the Cloak Room but Zone 2 is in total darkness) and are required to wear a helmet. Backup light sources are desirable and may be held by the group leader and given out if there is a need.

Knee pads and gloves may be preferred by many visitors due to the need to hands and knees crawl for a few hundred feet in this section. Street clothes or cotton cave suits are acceptable for Zone 2, as are street shoes or rubber boots, but the passage is usually wet and getting soaked is usually unavoidable beyond the Rocky Mountain Room. A sweatshirt and long pants may be preferred by most. Trustees or others working for more than 30 minutes in Zone 2 may find wearing a wetsuit, waterproof rain pants, or multiple layers preferable.

Group leaders may wish to carry a pack with extra light sources, teaching aids, or sampling equipment. Group members are not required to carry a pack.

Trustees and other group leaders should use normal top-cover procedure when using this part of the cave. However, multiple tours or groups being guided to the Wall Room per day can be thought of as one “day-long” cave trip for purposes of top-cover (ex. public tours will begin entering the cave at 9am

and the final tour will be finished with everyone out by 3pm, at which time the top-cover can be notified that all are out).

A list of group member names and emergency contact details are not necessary for group participants in Zones 1 and 2 who will remain so close the cave entrance (ex. school field trip and public tour days).

Caution visitors before every cave trip that they will be crawling on hands and knees in dark conditions and that crawling in 48 degree Fahrenheit water will be unavoidable. Let visitors know that they may leave the cave at any time if they feel unwell or for any other reason. Visitors who leave the group from points beyond the Cloak Room should be escorted to at least the Cloak Room (from which point daylight is visible).

For visitors in the Wall Room, only one person on the ladder at a time. Visitors to Zone 2 may ascend the ladder to view the “upper” passage and see the natural bedrock floor of the cave, along with the size and shape of most of the cave that lies beyond.

Low-air space in the Duck-Under

Water levels throughout the cave vary by season and by year. Deciding whether to proceed through the Duck-Under will be determined by type of group and their level of skill or desire. Occasionally the Duck-Under is entirely flooded (sumped) and is therefore a reason to abort a trip. NEVER attempt to swim through a completely flooded passage. Group members should never feel pressured to enter low-air space.

The Duck-Under provides a suitable place to practice low-air space techniques that are almost always necessary for navigating the approach to the Elephant Room and Mississippi River sections much farther back in the cave. This is for several reasons: Using it as a practice location for low-air space can be accomplished with less gear and travel effort as it is within a short distance to the entrance. The length of low-air space encountered is short, usually just a few feet. Both the short nature of the Duck-Under and nearby high ceiling spaces allows the group leader to position themselves in a way where they can spot people coming through and grab anyone in trouble to pull them to safety. Similarly, there is sufficient space for a small group to gather and observe technique at either end of the space.

If the Duck-Under is easily passable (i.e. can be navigated by simply turning the head sideways to breathe as one crawls through or water is even lower) then the public can be offered the opportunity to venture through. If, however, it would be necessary to float on your back and breathe with only your face out of the water then the general public and students are not allowed through.

For small groups planning to travel to Zone 3 or beyond the low-air space can be carefully and slowly navigated if and only if a group leader experienced with low-air space is present. A caver with low-air space experience should lead first and can then position themselves in the Cathedral Room to coach novices through. Only one person in low-air space at a time.

Technique

If possible, observe experienced cavers navigating the space before attempting it yourself. Before anyone disturbs the surface of the water too much, observe the low-air space ahead. Make a mental note of your anticipated route of travel and select this based on taking full advantage of the areas with the most air space. Sometimes this means moving from small ceiling dome to small ceiling dome, or following a crevice in the ceiling.

Depending on the length of the section it may be possible to float a pack through ahead of time, or after a person has gone through, or alongside during travel. Packs should not be attached to your body should they become snagged on the cave.

Entering low-air space

Approach the low-air space in the water and turn on your back when you still have enough space to do so without it being necessary. Before entering low-air space allow yourself to relax in the water while on your back. The water will be very cold, may enter the back of your wetsuit at the neck, and will feel cold on your head. Allow your chest to rise and back of your head to become buoyant and feel water rise along your face and chin before proceeding into the low-air space section. If you are being coached, practice a call and response with the coach to make sure you can hear despite the wetsuit hood and water over your ears.

Duck Under (cont.)

Traveling through low air space

Then, using just your fingertips, gently pull yourself along the ceiling, moving very slowly forward (head first). In HSB Cave there is enough water in the traditional low-air space sections to float much of your body as you proceed forward, making navigating much easier than when army crawling. Move so slowly that you don't create waves or a wake. You may feel your helmet pushing against the ceiling and the sensation that your head is being pushed further into the water. Remain calm and tip your chin up as necessary. Listen carefully for instructions from a coach. Remember, you can always push or pull yourself back to where you came from, where you know there's plenty of head room.

Other notes

In low-air space good communication is key. One caver can often see higher parts of the passage not visible to someone navigating on their back who can't turn their head. Providing directions like "more space slightly to your left" is helpful. Keep in mind that it may be difficult for them to hear you given the hood and submersion of ears in water. All group members should be still and silent when someone is navigating low air. Some people need to be talked through each movement and that's perfectly ok. Provide positive encouragement without pressuring the novice. Never rush in low-air space. Safety first.

Management Zone 3

(Detailed zone maps & photos can be found in the appendices)



Passages / Rooms – Up to and including the Dining Room

Zone 3 Access Restrictions

Open to use with greater restrictions than Zone 2. The resources are more fragile or vulnerable, and the safety/rescue concerns are greater, than in Zone 2. Consequently, each visit may result in additional resource impacts and safety/rescue issues.

Up to five (5) trips may be allowed to the Dining Room annually, with no less than 3 and no more than 6 people per group. Trips to Management Zone 3, without the prior approval of the Parks Director or his/her designee, cannot be conducted concurrent with Management Zone 1 or 2 trips.

Safety Strategies & Guidance for Zone 3

Individuals entering Access Zone 3 are required to have three personal light sources on their person and are required to wear a helmet. Additional backup light sources are desirable and may be held by the group leader and given out if there is a need.

Knee pads and gloves are necessary due to the need to hands and knees crawl and army crawl through mud and water for hundreds of feet in this section. Forearms must be covered and elbow or forearm pads are desirable. Wetsuits or PVC-dry suits are required for this section as getting soaking wet is usually unavoidable beyond the Rocky Mountain Room.

Each person is required to carry a pack in this section. Each pack should contain extra light sources (and extra batteries), a water bottle, a small snack (granola bar or similar). Any relevant medication or other personal items (inhaler, eye drops for contact wearers, items for eyeglass cleaning). Keep in mind that even a small and lightweight pack becomes wet inside and out, heavy, and is cumbersome as it will mostly need to be pushed along through mud ahead of you as you army crawl. Research equipment can be divided between packs. Even “dry” bags frequently become wet inside in Horseshoe Bay Cave (use Ziploc bags inside of a dry bag, or “dry” boxes within the bag).

Trustees and other group leaders should use normal top-cover procedure when using this part of the cave.

A list of group member names and emergency contact details are necessary for group participants traveling into Zone 3.

Caution visitors before every cave trip that they will be crawling on hands and knees and army crawling for hundreds of feet. Crawling in 48 degree Fahrenheit water will be unavoidable. Let visitors know that they may leave the cave at any time if they feel unwell or for any other reason. Visitors who leave the group from points beyond the Wall Room need to be escorted to at least the Cloak Room (from which point daylight is visible).

Encourage group members to (privately) disclose any relevant health issues or other concerns with the group leader prior to entering the cave (ex. asthma, claustrophobia, seizure disorder, panic attacks, etc.).

Safe caving techniques for Zone 3

High aerobic capacity is not a normal requirement of caving which tends to require relatively short bursts of energy but that may be used frequently over a long period of time. There tend to be many rest periods on most caving trips as the need to wait while others in the group negotiate obstacles or adjust gear, etc. throughout the trip. One should still pay attention to their physical exertion however, particularly when traveling through Zone 4. Remember, reaching the “end” of the cave means getting half-way through a trip and will require travelling the same distance in order to return to the surface. Conserving energy when possible is important, particularly when it comes to upper body and arm strength, as most of the cave involves modified hands and knees or army crawling.

Use toes and knees to help propel the body forward when possible. Float when water allows. In some places it may be efficient to roll rather than crawl, to duck-walk with hands clasped behind the back, or even lay on ones back or side and push or pull oneself along a slippery mud bank rather than slither through it.

Zone 3 does not include the vertical Crevice and does not typically have low-air space.

Management Zone 4

(Detailed zone maps & photos can be found in the appendices)



Passages / Rooms – Includes the Big Room (4a) and any part of HSB Cave beyond the Dining Room (4b).

Zone 4 Access Restrictions

Closed to all access except by research or special activity permit. This closure is to protect fragile or vulnerable resources and because of safety hazards. Generally, access to Zone 4 should add to the knowledge base regarding and/or otherwise give net benefit to HSB Cave. Special permit requests will be carefully screened on a case-by-case basis.

One trip every year will be reserved for photo-monitoring (following the creation of photo-monitoring stations), trail delineation and sign and flagging maintenance and any needed clean-up of the cave.

Safety Strategies & Guidance for Zone 4

Individuals entering Access Zone 4 are required to have three personal light sources on their person and are required to wear a helmet. Additional backup light sources are desirable and may be held by the group leader and given out if there is a need.

Knee pads and gloves are necessary due to the need to hands and knees crawl and army crawl through mud and water for hundreds of feet in this section. Forearms must be covered and elbow or forearm pads are desirable. Wetsuits or PVC-dry suits are required for this section as getting soaking wet is usually unavoidable beyond the Rocky Mountain Room. A wetsuit hood is highly recommended for groups traveling to the Elephant Room and beyond due to the likelihood of encountering low air space. Carry the hood in a pack until it is needed. Neoprene gloves and socks should be worn for these trips as well. Boots covering at least the ankle and with heavy tread are necessary for use in the Crevice (if that is part of the intended route of travel) and desirable for the remaining parts of the cave.

Each person is required to carry a pack in this section. Each pack should contain extra light sources (and extra batteries), a water bottle, a small snack (granola bar or similar). Any relevant medication or other personal items (inhaler, eye drops for contact wearers, items for eyeglass cleaning). Keep in mind that even a small and lightweight pack becomes wet inside and out, heavy, and is cumbersome as it will mostly need to be pushed along through mud ahead of you as you army crawl. Research equipment can be divided between packs. Even “dry” bags frequently become wet inside in Horseshoe Bay Cave (use Ziploc bags inside of a dry bag, or “dry” boxes within the bag).

Trustees and other group leaders should use normal top-cover procedure when using this part of the cave. Special care should be paid to the route of intended travel for the group, the anticipated destination point, and goals for the trip when communicating with the designated top-cover.

A list of group member names and emergency contact details are necessary for group participants traveling into Zone 4.

Caution visitors before every cave trip that they will be crawling on hands and knees and army crawling for hundreds of feet. Crawling in 48 degree Fahrenheit water will be unavoidable. Let visitors know that they may leave the cave at any time if they feel unwell or for any other reason. Visitors who leave the group from points beyond the Wall Room need to be escorted to at least the Cloak Room (from which point daylight is visible).

Encourage group members to (privately) disclose any relevant health issues or other concerns with the group leader prior to entering the cave (ex. asthma, claustrophobia, seizure disorder, panic attacks, etc.).

Safe caving techniques for Zone 4

High aerobic capacity is not a normal requirement of caving which tends to require relatively short bursts of energy but that may be used frequently over a long period of time. There tend to be many rest periods on most caving trips as the need to wait while others in the group negotiate obstacles or adjust gear, etc. throughout the trip. One should still pay attention to their physical exertion however, particularly when traveling through Zone 4. Remember, reaching the “end” of the cave means getting half-way through a trip and will require travelling the same distance in order to return to the surface. Conserving energy when possible is important, particularly when it comes to upper body and arm strength, as most of the cave involves modified hands and knees or army crawling.

Use toes and knees to help propel the body forward when possible. Float when water allows. In some places it may be efficient to roll rather than crawl, to duck-walk with hands clasped behind the back, or even lay on ones back or side and push or pull oneself along a slippery mud bank rather than slither through it.

See sub-sections below for detailed information about navigating the vertical Crevice and low-air spaces.

Safely navigating the Crevice

Descending

Entering the Crevice from the Dining Room is advisable; avoid using the Mud Tube for entry as the Crevice is much wider at that end with greater risk of fall. The first person descending can leave their pack with waiting group members and have it handed to them once they are in a safe (i.e. wide) position.

The goal for descending is not to travel downward too quickly or in an uncontrolled manner both to avoid becoming wedged (as the Crevice narrows in a sloping way below the point of entry) or taking a fall (the Crevice widens as you travel farther “out” into it).

Enter the Crevice face first with the front part of the body facing in the direction of travel (going into the cave). Once the right leg and right arm are in the Crevice keep the torso level high and level with the point of entry if possible. Travel horizontally out into the Crevice while using three points of contact at all times. Once the space becomes sufficiently wide enough to turn the body and face out into the open Crevice one can reach back and have someone hand their pack to them. From that point one can safely begin to chimney downward while facing out and continuing to use three points of contact. Many lower or toss their pack to the ground to keep their hands free. Once safely reaching the bottom move out of the zone of fall before the next caver descends (this could be farther out in the Crevice or inside the Passage to the Big Room).

Ascending

Leave the Crevice by way of the Mud Tube (to your right as you exit the Passage to the Big Room). The wide space at this end of the Crevice allows easy movement of arms and legs as you climb up.

A skilled caver should ascend first while novices watch from a safe place below, out of the fall zone. Another skilled caver should ascend last. Only one person should be off the ground at a time unless a second experienced caver can find a safe way to spot a novice’s climb and is well anchored with four points of contact each time the novice moves. Good communication is key. Many people choose to climb up to the height of the chock-stone (wedged mid-Crevice) from the Big Room end of the Crevice and then navigate the Crevice horizontally above it, rather than beginning the ascent below the chock-stone.

A keyhole shaped (narrow at the bottom) awaits climbers at the top of the Crevice on this side and is the entrance to the Mud Tube. Climb higher than the keyhole if possible and enter it headfirst at a downward angle to keep the torso and thighs in the widest part of the opening. Avoid getting torso or thighs wedged in the lower (narrow) part of the keyhole.

Avoid the fixed rope and never use it to support all body weight. It has already been in the Crevice for many years at the time of this publication.

Crevice- other notes (cont.)

If skilled cavers are providing guidance and assistance to novices in the Crevice please remember that sometimes less is more. Only offer assistance if needed and use verbal guidance to help the novice locate hand and footholds. Some people need to be talked through each movement and that's perfectly ok. Provide positive encouragement without pressuring the novice. There is no rush to ascend. Safety first.



Figure 1. The chock-stone is visible from the floor of the Crevice, above the caver's head. Figure 2. Chimneying up to go over the top of the chock-stone before moving horizontally toward the keyhole at the top of the Crevice (leading to the Mud Tube).

Safely navigating low-air space

Water levels throughout the cave vary by season and by year. Deciding whether to proceed through the Duck-Under will be determined by type of group and their level of skill or desire. Occasionally the Duck-Under is entirely flooded (sumped) and is therefore a reason to abort a trip. NEVER attempt to swim through a completely flooded passage. Group members should never feel pressured to enter low-air space.

For small groups planning to travel to Zone 3 or beyond the low-air space can be carefully and slowly navigated if and only if a group leader experienced with low-air space is present. A caver with low-air space experience should lead first through that section and can then position themselves to coach novices through. Only one person in low-air space at a time.

Technique

If possible, observe experienced cavers navigating the space before attempting it yourself. Before anyone disturbs the surface of the water too much, observe the low-air space ahead. Make a mental note of your anticipated route of travel and select this based on taking full advantage of the areas with the most air space. Sometimes this means moving from small ceiling dome to small ceiling dome, or following a crevice in the ceiling.

Depending on the length of the section it may be possible to float a pack through ahead of time, or after a person has gone through, or alongside during travel. Packs should not be attached to your body should they become snagged on the cave.

Entering low-air space

Approach the low-air space in the water and turn on your back when you still have enough space to do so without it being necessary. Before entering low-air space allow yourself to relax in the water while on your back. The water will be very cold, may enter the back of your wetsuit at the neck, and will feel cold on your head. Allow your chest to rise and back of your head to become buoyant and feel water rise up along your face and chin before proceeding into the low-air space section. If you are being coached practice a call and response with the coach to make sure you can hear despite the wetsuit hood and water over your ears.

Traveling through low air space

Then, using just your fingertips, gently pull yourself along the ceiling, moving very slowly forward (head first). In Horseshoe Bay Cave there is enough water in the traditional low-air space sections to float much of your body as you proceed forward, making navigating much easier than when army crawling. Move so slowly that you don't create waves or a wake. You may feel your helmet pushing against the ceiling and the sensation that your head is being pushed further into the water. Remain calm and tip your chin up as necessary. Listen carefully for instructions from a coach. Remember, you can always push or pull yourself back to where you came from, where you know there's plenty of head room.

Other notes

In low-air space good communication is key. One caver can often see higher parts of the passage not visible to someone navigating on their back who can't turn their head. Providing directions like "more space slightly to your left" is helpful. Keep in mind that it may be difficult for them to hear you given the hood and submersion of ears in water. All group members should be still and silent when someone is navigating low air. Some people need to be talked through each movement and that's perfectly ok. Provide positive encouragement without pressuring the novice. Never rush in low-air space. Safety first.



Figure 3. Exiting low-air space to a point where the head can be turned sideways. Note the headlamp of the trailing caver visible in low-air space beyond. Crevices in the ceiling like those present in the photo can offer points of respite when navigating a low-air section.

Cana Island Light Station Phase IV Contingency Log

Updated Date: 8/3/2022

Starting Contingency Amount \$33,745.00

<u>PURPOSE OF USE</u>	<u>Dollar Amount</u>	<u>Balance Remaining</u>
1 Remove AC from mechanical system	(\$2,769.00)	\$36,514.00
2 New floor in 105 Keeper's & 203 Bedroom	\$2,389.75	\$34,124.25
3 Demo existing Kitchen stair	\$0.00	\$34,124.25
4 Low voltage cabling	\$1,105.82	\$33,018.43
5 Brick replacement above allowance Light Tower	\$7,150.00	\$25,868.43
6 Relocate crawlspace conduit	\$743.91	\$25,124.52
7 Remove Light Tower plaster	(\$40,520.00)	\$65,644.52
8 Brick replacement above allowance Kitchen & Pantry	\$13,548.00	\$52,096.52
9 x5 Light Tower light fixture replacement	\$5,554.47	\$46,542.05
10 Sump pump discharge	\$8,814.34	\$37,727.71
11 Chimney repairs	\$3,576.30	\$34,151.41
12 Whitewash building exterior	\$10,035.55	\$24,115.86
13 Unused Allowances	(\$32,735.00)	\$56,850.86
14 Revise Electrical to Furnace (material only)	\$789.11	\$56,061.75
15 Revise Kitchen stair and railing	\$2,000.00	* \$54,061.75
16		----
17		----
18		----
19		----
20		----
21		----
22		----
23		----
24		----
25		----
26		----
27		----
28		----
29		----
30		----
Amount Used	(\$20,316.75)	

* Projected Cost



County of Door
FACILITIES & PARKS DEPARTMENT
 421 Nebraska St
 Sturgeon Bay, WI 54235



(920) 746-9959

dcparks@co.door.wi.us

<http://map.co.door.wi.us/parks>

DOOR COUNTY FACILITIES & PARKS 2023 FEE SCHEDULE

All Reservations are taken on a first-come or first-served basis and are NONREFUNDABLE. All rates subject to change.

No event will be allowed unless a lease or reservation agreement has been signed and placed on file with the Door County Facilities & Parks Department.

A Certificate of Insurance in the amount of \$1,000,000.00 is required, with the County as the additional insured for all public and private events.

The Lessee must clean up areas used upon completion of the event. Those leasing the grounds and/or buildings for animal events must remove all refuse from stalls or pens and remove same from John Miles Park grounds.

Additional charges may be assessed for specific services required but not outlined below. Multiple days & weekly rates also available.

PARKS RESERVATION RATES	ALL RATES INCLUDE 5.5% SALES TAX
Park Grounds fee	\$50/day
Events require a refundable Security Clean up deposit	\$100
John Miles Park Pavilion (with electricity) – 35ft by 55ft (without Food Service Area)-includes restrooms Forestville Dam Pavilion (with electricity) – 20ft by 35ft George K. Pinney Park Pavilion (with electricity) – 40ft Hexagon	\$65/day
John Miles Park Pavilion with Food Service Area – 35ft by 70ft Food Service Area is (refrigerator, sink, electrical outlets, no stove or freezer)-includes restrooms	\$90/day
Frank Murphy Park Pavilion (with electricity) -30ft by 65ft	\$90/day
Cave Point Park Gazebo (no electricity available)	\$90/day
BOAT LAUNCH FEES	Includes 5.5% sales tax
Daily Launch	\$7.00/day
Annual Permit	\$50.00
2 nd Launch Permit – 50% of original fee	\$25.00
Replacement Permit	\$25.00
Commercial Annual Permit	\$80.00

JOHN MILES PARK RENTAL FEES <i>Restrooms included with all building and grounds rentals</i>	COMMERCIAL EVENTS (With Admission, Vending or Fundraising) Includes 5.5% sales tax	PRIVATE RENTALS (Without Admission, Vending or Fundraising) Includes 5.5% sales tax
Junior Fair Building	\$375/day	\$225/day
Junior Fair Food Service Area	\$125/day	\$75/day
Merchants, Horticulture, and Poultry Rabbit Buildings	\$267/day	\$200/day
Cattle Barn	\$400/day	\$300/day
Horse-Swine-Sheep Barn	\$534/day	\$400/day
Horse Arena	\$133/day	\$100/day
Racetrack - Grandstand	\$1200/day	\$500/day
Grounds Fee	\$500/day	\$250/day
Set up and Clean up Days	\$150/day	\$150/day
Events require a refundable Security Damage Deposit	\$500	\$500
Clean Up Fee – Grandstand area	\$1,000	\$1,000
Clean Up Fee – all other buildings	\$500	\$500
OTHER FEES	DAILY RATES – Includes 5.5% sales tax	
Folding Metal Chairs or Contour Plastic Chairs	50¢ per chair	
Folding Tables	\$5.00 per table	
WINTER STORAGE RATES	RATES - Includes 5.5% sales tax	
All Buildings	\$10.00 linear foot for season	
Motor Cycle, ATV, Lawnmower	\$65.00 per season	
Single Trailer Personal Watercraft	\$75.00 per season	
Double Trailer Personal Watercraft	\$100.00 per season	
Government Unit Storage	Negotiable by Committee and/or Director	
Storage rates October through April (7 months)		
EVENT CAMPING FACILITIES**	DAILY UNIT CHARGE – Includes 5.5% sales tax	
**Tent Camping (Non-Electric)	\$20/day	
**Camper (Electric)	\$30/day	
**Showers	\$75/day	
**Individual (if not purchased as a group)	\$2/day	
**Internet	\$225/day	
**Clubs or events only - minimum size group -- <u>50 units</u> . Includes meeting and restroom facilities in Junior Fair Building, dump station, 20 AMP electrical service, and very limited water service.		



Winter Storage 2022-2023

John Miles County Park

916 N 14th Avenue, Sturgeon Bay (920) 746-9959

<http://map.co.door.wi.us/parks>

Enter on North 15th Place

Off of Alabama Street

Behind the Nightingale Restaurant

Storage at John Miles County Park (fairgrounds) is handled on a first-come, first-served basis; fees are collected when items are brought in. All boats motors must have 6" floor clearance to be accepted. Fee is by length of unit and trailer, i.e.; motor to hitch or bumper to bumper. Boat trailers must remain with boat.

FALL 2022 Drop off Dates:

Friday, October 21st, (7:30 AM - 3:00 PM) and Saturday, October 22nd, (8:00 AM - NOON)

Thursday, November 10th - Friday, November 11th, (7:30 AM - 3:00 PM) and

Saturday, November 12th, (8:00 AM - NOON)

Winter Storage Fees (price includes all applicable taxes)

Car, Truck, Boat, Tent Camper, Travel Trailer, & Motor Home

\$10/linear foot/season

Motorcycle, ATV, & Lawnmower

\$65/season

Single Trailer Personal Watercraft

\$75/season

Double Trailer Personal Watercraft

\$100/season

DRAFT

CASH OR CHECK ONLY!

SORRY – NO CHARGE CARDS

Please make checks payable to Door County Parks

SPRING 2022 Removal Dates:

Thursday April 16th – Friday, 17th, (7:30 AM – 3:00 PM) and Saturday, April 18th, (8:00 AM - NOON)

Thursday, April 30th – Friday April 31st, (7:30 AM – 3:00 PM)

There is no access to your stored item from the time it is put into storage until spring removal.

After October 23rd, Drop off appointments can be made by calling (920) 495-7134 for the following days, Monday thru Friday, 7:30 a.m. to 3:00 p.m.

Door County shall not be responsible for any damage or injury that may happen to the renter or his property from any cause whatsoever.

For protection of your property while in storage, we suggest you contact your insurance agent.



**County of Door
FACILITIES & PARKS DEPARTMENT**

421 Nebraska St
Sturgeon Bay, WI 54235



(920) 746-9959

dcparks@co.door.wi.us

To: Door County Highway and Facilities Committee

From: Burke Pinney
Door County Parks Manager

SUBJECT: PIN 0100029262543D

DATE: August 4, 2022

- Door County acquired ownership of this parcel on July 15, 2022, through a Sec. 75.521, Wis. Stats. foreclosure of tax liens by action in rem. The County may retain this parcel for (among others) the purpose of adding it to an existing park.
- Being directly adjacent to Forestville Dam County Park, The Facilities and Parks Department would like to incorporate this parcel into the existing park.
- Per Treasurer Ryan Schley: "The attached is the detailed report of the amount of taxes, interest and penalty that were owing at the time we took this parcel. The cost that we charge to redeem a parcel would be an additional \$250, which covers the court costs and costs of the research work and ads in the paper. The only other thing to take into consideration, is that this property would generate a tax bill for 2022 that will be coming out later this year (December). Next year, it would become tax exempt due to County ownership. Wayne had already asked about this fact to make sure that he budgeted to pay that bill when it comes out. I don't have an exact amount but would assume that it would be right around that \$300 mark again."
- There is a moderately sized storage building located on the parcel that could either be kept by the county, sold and moved, or torn down. A report of the buildings condition will be given at the August 10th committee meeting as the interior condition has not yet been determined.



DOOR COUNTY WISCONSIN

Door County Web Portal - Tax Balance Report

Property: 0100029262543D

Search powered by



Report/Print engine
List & Label @ Version 19:
Copyright combit@ GmbH
1991-2013

Tax Year	Prop Type	Parcel Number	Municipality	Property Address	Billing Address
2021 <input type="checkbox"/> ⚡	Real Estate	0100029262543D	010 - TOWN OF FORESTVILLE	449 MILL RD	
Tax Year Legend: ⚡ = owes prior year taxes ☒ = not assessed Ⓢ = not taxed Delinquent Current					

Payment Information

Payoff Date: Sunday, July 31, 2022

Total Due: \$ 1158.89

Payment total will change unless payment is received by Treasurer's Office on or before payoff date.
Total Amount Due Based on Data Received as of Monday, July 18, 2022.

Tax Balance Summary

Tax Year	Certificate Number	General Property Tax Due	Specials	Woodland	Interest Charge	Penalty Charge	Other Charges	Amount Due
2018	203	25.52	0.00	0.00	10.72	5.36	0.00	41.60
2019	427	292.88	0.00	0.00	87.86	43.93	0.00	424.67
2020	167	274.31	0.00	0.00	49.38	24.69	0.00	348.38
2021	0	315.82	0.00	0.00	18.95	9.47	0.00	344.24

Interest/Penalty Date 07/18/2022

Tax Parcel Report

Courtesy of the Door County Land Information Office



... from the GIS Map of ...
(//map.co.door.wi.us/map)
Door County, Wisconsin
... for all seasons!



May 2019 Orthophoto as default backdrop



Door County can not and does not make any representation regarding the accuracy or completeness, nor the error-free nature, of information depicted on this map. This information is provided to users "as is". The user of this information assumes any and all risks associated with this information. Door County makes no warranty or representation, either express or implied, as to the accuracy, completeness, or fitness for a particular purpose of this information. The Web Map is only a compilation of information and is NOT to be considered a legally recorded map or a legal land survey to be relied upon.

Data Current through July 8th 2022

Parcel Number: 0100029262543D - TOWN OF FORESTVILLE

PDF Map#: 29

PLSS Section-Town-Range: SW of SE 29-26-25

Property Address: 449 MILL RD

Owner Name: ANDREW G FOSTER

Co-Owner:

Mailing Address:

W8556 650TH AVE
RIVER FALLS, WI 54022

Legal Description (See recorded documents for a complete legal description):

COM 1307.04'S & 64'S16"E CNTR SEC 29:S34"E173.25' S 55"W252.50' N5"E239.25' N60 *E99' BG.

School District: Southern Door

Valuations: 2022

Taxes: 2021

Acres: 0.73

Real Estate Tax: \$315.82

Land Value: \$16000

Special Tax: \$0.00

Improved Value: \$9300

Forest Tax: \$0.00

Forest Value: \$0

Est Fair-Market Value: \$27600

* Valuations are subject to change until Final Board of Review. Contact Local Assessor for questions regarding assessed valuations.

INVITATION TO BID**BREAKWATER REPAIR PROJECT – GEORGE K. PINNEY COUNTY PARK**

Door County is seeking to contract with a qualified individual or entity to make repairs to the George K. Pinney County Park Breakwater. Specifications, instructions, and contract may be obtained online at <http://www.co.door.wi.gov> or from Door County Facilities and Parks Department, 920.746.7130, or dcparks@co.door.wi.us. Bids must conform to the requirements of the specifications, instructions and contract. Bids must be submitted to and received by the County Administrator's Office, Government Center, 421 Nebraska Street, Sturgeon Bay, Wisconsin, 54235 not later than 12:00 p.m. on September 29, 2022; and will be publicly opened at the Government Center, Facilities and Parks Office on September 29, 2022 at 1:00 p.m.

SPECIFICATIONS

**George K. Pinney County Park – Breakwater Repair
4879 Bay Shore Drive, Sturgeon Bay, WI 54235**

Project Narrative

This is a commercial marine construction project that involves, among other things, the strategic placement of armor stone and chinking stone within and/or onto the breakwater structure.

AECOM Technical Services, Inc. (“AECOM”) completed an inspection of the breakwater and issued a report dated June 23, 2022. This report (which is attached hereto and incorporated herein by reference as if fully set forth) describes the current condition of the breakwater and desired outcomes.

Shoulder stone is planned to be self-performed by the County.

Specifications

These specifications are goal oriented versus prescriptive in nature. A contractor must base its bid solely on: 1) the contractor’s own on-site inspection / investigation of the surface; and 2) the contractor’s professional assessment of the expertise, work, labor and materials necessary to complete the project. The contractor is solely responsible for determining what expertise, work, labor and materials are necessary to complete the project.

General specifications for this project include, but are not limited to, the following:

- ⇒ The supply and application of armor stone.
- ⇒ The supply and application of chinking stone.
- ⇒ Assist with identifying, submitting applications for, and obtaining any and all required state and federal permits to complete the work as an agent of the owner.

Engineering report may be obtained from the Facilities and Parks Department by emailing dcparks@co.door.wi.us .

INSTRUCTIONS

BREAKWATER REPAIR PROJECT – GEORGE K. PINNEY COUNTY PARK

1. BIDS:

Bids, *in triplicate*, must be sealed in an opaque envelope labeled “*Breakwater Repair Project – George K. Pinney County Park,*” and be received by the Facilities and Parks Office on or before 12:00pm on September 29, 2022.

Bids must set forth the scope of work to be completed and the qualifications of the individual or entity submitting the bid [hereinafter “bidder”]. Any deviation from the Specifications or these Instructions must be noted clearly and concisely. Legibility, clarity and completeness are essential.

Bids must be dated and signed by the bidder or by a duly authorized representative of the bidder. Bids must remain firm for a period of thirty (45) days beyond the date of bid opening.

Issuance of the Invitation to Bid does not confer any rights to any prospective bidder and does not obligate Door County to enter in to a Public Works Contract. Any costs associated with the preparation of a response to the Invitation to Bid shall be the sole responsibility of the bidder.

Door County will use discretion with regards to disclosure of proprietary information contained in any bid, but cannot guarantee that information will not be made public. As a governmental entity, Door County is subject to Wisconsin’s Public Record Law. Any confidential or proprietary information should be clearly marked as such.

Once submitted, the bids and any supplementary documents become the property of Door County.

2. BID BOND:

Each bid must be accompanied by a certified check, cashier's check or a bid bond equal to at least 5% of the bid, payable to Door County as a guarantee that if the bid is accepted the bidder will execute a Public Works Contract and file a performance bond and insurance as required within thirty (30) days after award of the contract by Door County. If an intended awardee so executes the agreement and files bonds and insurance as required, the check or bid bond will be returned. In case the intended awardee fails to execute the contract and file bonds and insurance as required by the contract documents, the amount of the check or bid bond submitted with the proposal shall be forfeited as liquidated damages.

3. QUALIFICATIONS OF BIDDER:

Bidder shall be licensed, certified, accredited, and have all necessary qualifications to perform the work contemplated. Door County may investigate as it deems necessary to determine the ability of the bidder to perform the work. Door County reserves the right to reject any bid if the bidder fails to satisfy Door County that the individual or entity is qualified to perform the work contemplated.

Door County may, in its sole discretion, require bidders to submit sworn statements as to financial ability, equipment, and experience in the work prescribed and other matters that Door County may require for the protection and welfare of the public in the performance of a public contract. Bidders offering bids are strongly encouraged to incorporate such information into their bids.

4. CONSIDERATION/AWARD OF CONTRACT:

Door County reserves the right to reject or accept any or all bids, or parts thereof, and/or waive technical defects and informalities.

Door County will consider all elements when determining the qualifications and responsibility of the bidder. The award of this contract shall be to the lowest qualified and responsible bidder offering a compliant bid. A qualified and responsible bidder is one who is not only financially able, but who is possessed of the judgment, skill, ability, capacity, and integrity requisite and necessary to perform a public contract according to its terms.

Door County may supplement or change specifications during this process. Notice of supplementation or change shall be given through the issuance of an addendum. Any such addendum will be forwarded to all persons who have requested a bid packet or submitted a bid, and have provided contact information.

Door County or its designee may choose to conduct interviews of qualified and responsible bidders. Further, qualified and responsible bidders may be required to make presentations to Door County or its designee.

Door County reserves the right to negotiate deductive changes in the lowest qualified bid.

5. CONTRACT:

The successful bidder shall execute a Public Works Contract, substantially similar to the *draft* Public Works Contract included with the Instructions and Specifications, within thirty (30) days after notice of the award of the contract is given. The Invitation to Bid, Instructions, Specifications, and bid in their entirety form the primary basis of the contract.

Door County reserves the right to supplement the contract after bid consideration and award. County will *consider* supplemental contractual language submitted by the selected bidder.

6. LAWS AND REGULATIONS:

The successful individual or entity must be cognizant of and shall scrupulously adhere to all applicable federal, state, and municipal laws, orders, ordinances, regulations and rules. This includes, but is not limited to, non-discrimination laws, equal employment obligations, affirmative action mandates, labor standards, and the Americans with Disabilities Act.

Proposals, bids, any award of contract, and work hereunder are at a minimum subject Sections 59.52, 66.0901, 779.14, and 779.15, Wisconsin Statutes. Persons and entities submitting bid proposals must be aware of and comply with all applicable statutory requirements.

This project constitutes a “public work” within meaning of the prevailing wage rate statute.

7. LATE BIDS:

Bids that are not timely received will not be considered. Late bids will be returned, unopened, to the bidder.

8. INDIVIDUAL’S OR ENTITY’S CERTIFICATE

Each individual or entity shall incorporate and make a part of their bid a sworn statement by the individual or entity that the individual or entity has: examined and carefully checked the Invitation to Bid, Instructions, Specifications, and Draft Public Works Contract; conducted a due diligence investigation; and offered a fully compliant bid.

DOOR COUNTY PUBLIC WORKS CONTRACT
Breakwall Repairs at George K. Pinney County Park

In consideration of the mutual promises set forth below, the County of Door, a body corporate, (“Owner”) and [REDACTED] (“Contractor”) makes this contract as of the [REDACTED] day of [REDACTED] 2022, and agree as follows:

ARTICLE 1 - WORK

- 1.1 Contractor shall, at its sole cost and expense, provide, perform, and complete all of the following, all of which is herein referred to as the “work”:
- A. Provide, perform, and complete all labor, services, equipment, and materials necessary to accomplish the project at the work site as set forth in the Invitation to Bid, Instructions, Specifications, *and* Contractor’s [REDACTED] bid, all of which are attached hereto and incorporated herein by reference as if set forth in full.
 - B. Procure and furnish all permits, licenses, and other governmental approvals and authorizations necessary in connection with the project.
 - C. Procure and furnish all bonds and all certificates and policies of insurance specified in this contract.
 - D. Do all other things required of Contractor by this contract.
- 1.2 If ambiguities or conflicts exist between the provisions of this Contract and any document incorporated by reference herein, an attempt should be made to reconcile the provisions to give effect to both if reasonably practicable. If not, then the provisions of this Contract control.

ARTICLE 2 - STANDARDS OF PERFORMANCE

- 2.1 Contractor shall provide, perform, and complete all work in a proper and workmanlike manner, consistent with the highest professional standards applicable to such work, with the greatest economy, efficiency, and expedition consistent therewith.

ARTICLE 3 - ABILITY TO PERFORM

- 3.1 Contractor warrants and represents that it is sufficiently experienced and competent to provide, perform, and complete the work in full compliance with, and as required by or pursuant to this Contract.
- 3.2 Contractor warrants and represents that it is entitled to conduct business in Wisconsin, is financially solvent, and has the resources necessary to provide, perform, and complete the work in full compliance with, and as required by or pursuant to this contract.

ARTICLE 4 - TIME

- 4.1 Contractor represents and warrants that it is ready, willing, able, and prepared to begin the work on the commencement date and that the contract time is sufficient time to permit completion of the work in full compliance with, and as required by, this contract all with due regard to all natural and man-made conditions that may affect the work or the work site and all difficulties, hindrances, and delays that may be incident to the work.
- 4.2 Contractor shall commence the work not later than , 2022.
- 4.3 Contractor shall diligently and continuously prosecute the work at such a rate as will allow until the work is fully completed.
- 4.4 Time is of the essence as to commencement date, rate of progress, and completion date.

ARTICLE 5 - FINANCIAL ASSURANCES

- 5.1 Contemporaneous with Contractor's execution of this contract, Contractor shall provide a public works bond as provided in Section 779.14, Wisconsin Statutes. Contractor shall, at all times while providing, performing, or completing the work, maintain and keep in force, at Contractor's expense, any and all bonds required hereunder.
- 5.2 Contemporaneous with Contractor's execution of this contract, Contractor shall provide certificates and policies of insurance evidencing the minimum insurance coverage and limits set forth in this contract. Such policies shall be in a form, and from companies, acceptable to Owner. Such insurance shall provide that no change, modification in, or cancellation of any insurance shall become effective until the expiration of thirty (30) days after written notice thereof shall have been given by the insurance company to the Owner. Contractor shall, at all times while providing, performing, or completing the work maintain and keep in force, at Contractor's expense, the minimum insurance coverage and limits set forth in this contract. Owner shall be an additional named insured (insured for the additional named insured's conduct to the same extent as if the additional named insured was the policy holder) and an additional insured (insured for the additional insured's liability that arises from the conduct of the policy holder and is not insured for liability that arises from the conduct of the additional insured).
- 5.3 Contractor shall be responsible for the payment of all claims for labor performed and materials furnished, used or consumed in making the public improvement or performing the public work in accordance with Section 779.14, Wisconsin Statutes.
- 5.4 Insurance Coverage:

- A. Workers Compensation and Employer's liability with limits in compliance with the applicable provisions of the laws of the State of Wisconsin.
- B. Comprehensive Motor Vehicle Liability with limits for vehicles owned, non-owned, or rented not less than: one hundred thousand dollars [\$100,000.00] bodily injury per person and three hundred thousand dollars [\$300,000.00] bodily injury per occurrence; and fifty thousand dollars [\$50,000.00] property damage per occurrence. All employees shall be included as insured.
- C. Comprehensive General Liability with coverage written on an "occurrence" basis and with limits no less than one million dollars [\$1,000,000.00] and compulsory coverages including bodily injury liability and property damage liability. Such coverage shall include blanket contractual liability (i.e., must expressly cover this project and the indemnity provisions of this Contract).

ARTICLE 6 - PAYMENT

- 6.1 Owner shall pay to Contractor, in accordance with and subject to the terms and conditions set forth in this Contract, and Contractor shall accept in full satisfaction for providing, performing, and completing the work, the amount(s) set forth in attached Contractor's Bid, subject to any additions, deductions, or withholdings provided for in this contract. The contract price shall be paid in one lump sum payment.
- 6.2 Owner may make direct payment to subcontractors or suppliers or pay the Contractor with checks that are made payable to the Contractor and to one or more subcontractors or suppliers.
- 6.3 When the work has been completed and is ready in all respects for acceptance by Owner, Contractor shall notify Owner and request a final inspection. Contractor's notice of completion shall be given sufficiently in advance of the completion date to allow for scheduling of the final inspection and for completion or correction before the completion date of any items identified by such inspection as being defective, damaged, flawed, unsuitable, non-conforming, incomplete, or otherwise not in full compliance with or as required by or pursuant to, this contract.
- 6.4 The work shall be finally accepted when, and only when, the whole and all parts thereof shall have been completed to the satisfaction of Owner in full compliance with, and as required by or pursuant to, this contract.
- 6.5 As soon as practicable after final acceptance, Contractor shall submit to Owner a pay request in a form acceptable to Owner. Owner shall pay to Contractor the contract price, after deducting therefrom all charges against Contractor as provided for in this contract. Final payment shall be made not later than sixty (60) days after Owner approves the final pay request.

6.6 The acceptance by Contractor of final payment shall operate as a full and complete release of Owner of and from any and all lawsuits, claims, demands, damages, liability, losses, and expenses of, by, or to Contractor for anything done, furnished for, arising out of, relating to, or in connection with the work or for or on account of any act or neglect of Owner arising out of, relating to, or in connection with the work.

ARTICLE 7 - DEDUCTIONS

7.1 Owner shall have the right to deduct and withhold from any progress or final payment that may be or become due under this contract such amount as may reasonably appear necessary to compensate Owner for any actual or prospective loss due to:

- A. work that is defective, damaged, flawed, unsuitable, non-conforming, or incomplete;
- B. damage for which Contractor is liable under this contract;
- C. state or local sales, use, or excise tax from which Owner is exempt;
- D. liens or claims of lien regardless of merit;
- E. claims of subcontractors, suppliers, or other persons regardless of merit;
- F. delay in the progress or completion of work;
- G. inability of Contractor to complete the work;
- H. failure of Contractor to properly complete or document any pay request;
- I. the cost to Owner (including attorneys' fees, disbursements, and costs) of correcting any of the aforesaid matters or exercising any one or more of Owner's remedies set forth in this contract.

ARTICLE 8 - LIENS

8.1 Nothing in this contract shall be construed as vesting in Contractor any right of property in any equipment, materials, supplies, and other items provided under this contract after they have been installed in, incorporated into, attached to, or affixed to, the work or the work site. All such equipment, materials, supplies, and other items shall, upon being so installed, incorporated, attached or affixed, become the property of Owner. Such shall not release Contractor from its duty to insure and protect the work in accordance with the requirements of this contract.

8.2 Contractor shall, from time to time and prior to final payment, furnish to Owner such waivers, receipts, releases, certificates, affidavits and other evidence as may be necessary to establish, to the reasonable satisfaction of Owner, that no lien against the work or the public funds held by Owner exists in favor of any person whatsoever for or by reason of any equipment, material, supplies, or other item furnished, labor performed, or other thing done in connection with the work or this contract and that no right to file any lien exists in favor of any person whatsoever.

8.3 If at any time any notice of any lien is filed, then Contractor shall, promptly and without charge, discharge, remove, or otherwise dispose of such lien.

8.4 This article is for the protection of Owner only. This article shall not operate to relieve Contractor's surety or sureties from any of their obligations under this contract. This article shall not be deemed to vest any right, interest, or entitlement in any subcontractor or supplier.

ARTICLE 9 - SUBCONTRACTORS AND SUPPLIERS

9.1 Contractor shall perform the work with its own personnel and under the management, supervision, and control of its own organization unless otherwise approved by Owner in writing.

9.2 All subcontractors, suppliers, and subcontract used by Contractor shall be acceptable to, and approved in advance by, Owner. All subcontractors or suppliers used by Contractor must agree to be bound by the terms, provisions and conditions of this contract so far as they are applicable to the work undertaken by the subcontractor or supplier. Owner's approval of any subcontractor or supplier shall not relieve Contractor of full responsibility and liability for the provision, performance, and completion of the work in full compliance with, and as required by or pursuant to, this contract.

9.3 Contractor agrees, to the extent practicable, to maintain a list of all subcontractors, suppliers, and service providers performing, furnishing, or procuring labor, services, materials, plans, or specifications under the contract.

9.4 If any subcontractor or supplier fails to perform the part of the work undertaken by it in a manner satisfactory to Owner, Contractor shall immediately upon notice from Owner terminate such subcontractor or supplier. Contractor shall have no claim for damages, for compensation in excess of the contract price, or for a delay or extension of the contract time as a result of any such termination.

9.5 Contractor shall pay all claims for labor, services, or materials, by subcontractors and/or suppliers that pertain to the public improvement or public work.

9.6 Nothing in this contract shall be construed to create any contractual relationship between Owner and any subcontractor or supplier.

ARTICLE 10 - SUSPENSION OR TERMINATION OF WORK

10.1 Owner may terminate or suspend the work in whole or in part at any time, solely for the Owner's convenience, by written notice to Contractor. Such notice shall state the extent and effective date of such termination or suspension. On such effective date Contractor shall, as and to the extent directed, stop work under this contract, cease all placement of further

orders or subcontracts, terminate, or suspend work under existing orders and subcontracts, cancel any outstanding orders or subcontracts that may be canceled, and take any action necessary to protect any property in its possession in which Owner has or may acquire any interest.

- 10.2 In the event of any termination or suspension by Owner under this Article, Owner shall pay Contractor for all work done in compliance with, and as required by or pursuant to, this Contract up to the effective date of termination or suspension.

ARTICLE 11 - INDEMNIFICATION

- 11.1 Contractor agrees that it shall protect, indemnify, and hold harmless the Owner and its respective officers, officials, employees, and agents from and against all actions, claims, costs, damages, demands, expenses, judgments, liabilities, losses, suits, and attorney's fees resulting from the negligence or fault of the Contractor or the Contractor's officers, officials, employees and agents arising out of, resulting from or in any manner connected with the performance or nonperformance of this contract.
- 11.2 Owner agrees that it shall protect, indemnify, and hold harmless the Contractor and its respective officers, officials, employees, and agents from and against all actions, claims, costs, damages, demands, expenses, judgments, liabilities, losses, suits, and attorney's fees resulting from the negligence or fault of the Owner or the Owner's officers, officials, employees, and agents arising out of, resulting from or in any manner connected with the performance or nonperformance of this contract.
- 11.3 Nothing herein may be interpreted to constitute a waiver of any immunity, limitations on damages, notice requirements, or statutes of limitation afforded the Owner.

ARTICLE 12 - LABOR STANDARDS

- 12.1 The Contractor shall comply with the applicable state and/or federal labor standards and shall cause appropriate provisions to be inserted in subcontracts to insure compliance therewith. This includes, but is not limited to, compliance with prevailing wage rates and hours of labor. Owner reserves the right to terminate this contract if Contractor, any subcontractor, or supplier breaches any of the applicable labor standards.

ARTICLE 13 - NON-DISCRIMINATION

- 13.1 During the term of this contract the Contractor shall not discriminate against any person based on race, color, national origin, gender, age, disability, sexual orientation, religion, or marital status.

ARTICLE 14 - AFFIRMATIVE ACTION

14.1 During the term of this contract Contractor shall comply with all applicable affirmative action mandates.

ARTICLE 15 - EQUAL EMPLOYMENT

15.1 During the term of this contract Contractor shall comply with all applicable equal employment obligations.

ARTICLE 16 - PUBLIC RECORD REQUESTS

16.1 Contractor shall maintain records in connection with this contract in a manner sufficient to meet the requirements of the Wisconsin’s Open Record Law (“WORL”) set forth in Section 19.31 - 19.39 Wis. Stats. Contractor shall assist Owner in complying with Public Record(s) Request(s) pursuant to Section 19.36(3) Wis. Stats.

ARTICLE 17 - SAFETY OF WORK SITE

17.1 Contractor shall be solely and completely responsible for providing and maintaining safe conditions at the work site. Contractor shall take all safety precautions as shall be necessary to comply with all applicable laws and to prevent injury to persons and damage to property.

ARTICLE 18 – CONTACT INFORMATION

18.1 Owner’s contact information is: Wayne Spritka; Facilities & Parks Director; Door County Government Center, 421 Nebraska Street, Sturgeon Bay, Wisconsin; Ph. 920.746.2211; wspritka@co.door.wi.us.

18.2 Contractors Information: _____, _____,
_____, _____ -Contractor’s Representative.

ARTICLE 19 - DISPUTES AND REMEDIES

19.1 To avoid and settle without litigation Owner and Contractor agree to engage in good faith negotiations regarding any disputes that may arise.

19.2 If the dispute resolution procedure set forth in Article 19.1 fails to resolve any dispute to the satisfaction of Owner or Contractor, either party shall be entitled to pursue such remedies as it may have in law or equity.

ARTICLE 20 - GOVERNING LAWS/VENUE

- 20.1 This contract and the rights and obligation of Owner and Contractor under this contract shall be interpreted according to the laws of the State of Wisconsin.
- 20.2 Venue, as to any dispute that may arise under this contract, shall be in the Circuit Court, County of Door, State of Wisconsin. If federal jurisdiction, then the U.S. District Court, Eastern District of Wisconsin, Green Bay, Wisconsin.

ARTICLE 21 - RELATIONSHIP OF PARTIES

- 21.1 Contractor shall act as an independent contractor in providing and performing the work under this contract.
- 21.2 Nothing in, or done pursuant to, this contract shall be construed to create the relationship of principal and agent, partners, or a joint venture between Owner and Contractor.

ARTICLE 22 - ASSIGNMENT

- 22.1 Contractor shall not assign this contract in whole or in part.
- 22.2 Contractor shall not assign any of its rights or obligations under this contract.
- 22.3 Contractor shall not assign any payment due or to become due under this contract.

ARTICLE 23 - BINDING EFFECT

- 23.1 Owner and Contractor represent and warrant that it has carefully reviewed and fully understands this contract, including its attachments.
- 23.2 This contract shall be binding upon and shall inure to the benefit of Owner and Contractor and upon their respective heirs, executors, administrators, personal representatives, and permitted successors and assigns.

ARTICLE 24 - SEVERABILITY

- 24.1 The provisions of this contract shall be interpreted, when possible, to sustain their legality and enforceability as a whole.
- 24.2 In the event any provision of this contract shall be held invalid, illegal, or unenforceable by a court of competent jurisdiction, in whole or in part, neither the validity of the remaining part of such provision, nor the validity of any other provision of this contract shall be in any way affected thereby.

ARTICLE 25 - AMENDMENTS

25.1 No modification, addition, deletion, revision, alteration or other change to this contract shall be effective unless, and until such is reduced to writing and executed by Owner and Contractor.

Accepted and Agreed this _____ Day of October, 2022.

_____, Duly Authorized Signatory for _____. ("Contractor")

Accepted and Agreed this _____ Day of October, 2022.

Wayne Spritka
Facilities and Parks Director

Accepted and Agreed this _____ Day of October, 2022.

Ken Pabich
County Administrator

Approved as to Form this _____ Day of October, 2022.

Sean Donohue
Corporation Counsel



AECOM
2985 South Ridge Road, Suite B
Green Bay, WI 54304
aecom.com

June 23, 2022

Mr. Burke Pinney, Manager
Door County Park Department
421 Nebraska Street
Sturgeon Bay, WI 54235

**Subject: George K. Pinney County Park 2022 Breakwater Inspection, Door County, WI
AECOM Project No. 60681405**

Dear Mr. Pinney:

AECOM Technical Services, Inc. (AECOM) has completed the breakwater inspection in accordance with the Design Engineering Service Agreement authorized on March 15, 2022. The following summarizes the results of our work.

Project Background

Major improvements to the George K. Pinney County Park (historically named as the Olde Stone Quarry County Park) were made in 2005 and 2006. Improvements included excavation of a deep harbor, construction of a six-lane boat launch ramp, expanded parking and land-side amenities including a restroom and pavilion structure. Concerns were expressed by Door County staff in 2016 regarding the potential loss of stone from the outer breakwater. An inspection was performed by AECOM in November 2016. The 2016 inspection included topographic survey of the concrete sidewalk on the outer breakwater to evaluate the potential for settlement. A report was issued to Door County on January 17, 2017 which included results of the site inspection, including seven (7) recommendations, including performance of breakwater inspections every 10 years.

In late 2021, Door County Parks Department (Parks) staff requested an inspection of the outer breakwater. Authorization to conduct this inspection was made on March 15, 2022.

Field Inspection

AECOM staff made a site visit on April 12, 2022. Cooler-than-average spring temperatures resulted in ice coverage of approximately half of the inner harbor. Several site photographs were collected.

AECOM staff made another site visit on May 11, 2022, and performed the breakwater inspection which included collection of survey points. Historic survey point control was found, and new survey control was set. One of the historic control points was found in Bayshore Drive but was disturbed and no longer usable. The control points used for this 2022 survey include the following:

Table 1. Survey Control Points

Point Number	Northing	Easting	Elevation	Description
10000	401203.402	2640836.833	11.15	Mag nail in the asphalt, off the Southeast corner of the boat wash station
10001	401320.631	2640449.611	11.04	NGS Monument (Disk in concrete walkway) PID DQ5014
10017	401101.198	2640609.302	6.00	1" Rebar East of steel cap, Southeast corner of walkout pier
10024	400872.606	2640690.028	9.52	Northern corner of the North-most mooring bollard

aecom.com

https://aecom.sharepoint.com/sites/60681405PinneyParkBreakwater/Shared Documents/General/500_Deliverables/502_Deliverable_2022/Pinney Breakwater Inspection 2022_rev2.docx

In similar manner to the 2016 field work, spot elevations were collected along the crest of the outer breakwater at each sidewalk joint. Joints were numbered between 1 and 40 starting at 1 the landward end and extending to 40 near the base of the solar-powered navigational beacon structure.



Figure 1. Site Photograph from May 11, 2022

Following the survey, a visual assessment of the rubble-mound breakwater was performed, including collection of site photographs. Multiple locations, both on the outside and inside edges of the breakwater crest and outer layer exhibited varying degrees of void space. Locations of void spaces were referenced with respect to the nearest joint.

Aerial Photography

On May 17, 2022, GEI Consultants, Inc. collected site photographs with an unmanned aerial system. This photography was examined and compared against earlier site photographs. Some differences were observed in the arrangement of armor stone, but these differences were minor. Copies of aerial digital photography are available upon request, but not included herein due to the file size of this data set.



Results of Field Work

Table 2 provides comparison of elevation at selected point locations along the concrete sidewalk in 2006, 2016, and 2022. The survey results reveal progressive downward settlement at most locations on the sidewalk. Vertical change between 2006 and 2016 is calculated, as well as between 2016 and 2022. The most pronounced vertical settlement is at Joint 27 and at the lakeward end of the sidewalk near the navigational light, both exhibiting six one-hundredths of a foot (approximately $\frac{3}{4}$ of an inch) of settlement between 2016 and 2022.

Joint zero, which is where the sidewalk on the breakwater abuts the steel sheet pile cap, exhibited a higher elevation in 2022 as compared to 2016. Reasons for this increase were not apparent but could be due to survey rod point differences where the survey rod point may have been in the joint (below sidewalk) in 2016.

Table 2. Survey Data Comparison, 2006, 2016 and 2022

JOINT NUMBER	SIDE OF BREAKWATER INSIDE/OUTSIDE	ELEVATION (FEET)			VERTICAL CHANGE (FEET) 2006 TO 2016	VERTICAL CHANGE (FEET) 2016 TO 2022
		7/19/2006	11/14/2016	5/11/2022		
landward end of sidewalk	INSIDE		10.84	10.95		0.11
	OUTSIDE		10.90	10.98		0.08
4	INSIDE		11.01	10.97		-0.04
	OUTSIDE	11.02	10.98	10.98	-0.04	0.00
9	INSIDE		11.03	11.03		0.00
	OUTSIDE	11.17	11.11	11.10	-0.06	-0.01
13	INSIDE	11.14	11.08	11.08	-0.06	0.00
	OUTSIDE	11.19	11.14	11.13	-0.05	-0.01
17	INSIDE		11.02	11.01		-0.01
	OUTSIDE	11.15	11.10	11.07	-0.05	-0.03
21	INSIDE		10.96	10.96		0.00
	OUTSIDE	11.11	11.03	11.03	-0.08	0.00
25	INSIDE	11.03	10.93	10.91	-0.10	-0.02
	OUTSIDE		10.99	10.99		0.00
27	INSIDE	11.06	10.93	10.92	-0.13	-0.01
	OUTSIDE		11.04	10.98		-0.06
34	INSIDE	11.03	10.90	10.89	-0.13	-0.01
	OUTSIDE		11.11	11.09		-0.02
38	INSIDE		11.03	11.01		-0.02
	OUTSIDE		11.07	11.06		-0.01
lakeward end of sidewalk	INSIDE	11.11	10.95	10.89	-0.17	-0.06
	OUTSIDE	11.12	10.97	10.94	-0.15	-0.03

Potential Contributing Factors

Water levels on Lake Michigan were relatively steady between 2000 and the end of 2013. They were slightly below their historic averages of +1 foot (12 inches) in the winter months and +2 feet (24 inches) in the summer months. Starting at the beginning of 2014, a dramatic rise in water levels occurred, peaking at historic records in mid-2020, then receding toward the long-term averages since mid-2020. The following chart (Figure 2), from NOAA, depicts the seasonal variations and the longer-term increases and decreases. Historically record-setting high-water elevations combined with heavy wave action can damage rubblemound breakwaters. These natural influences are likely to have contributed to some shifting of both armor layer and core stones, and also have the potential to displace the smaller stone diameters used along either side of the concrete sidewalk.

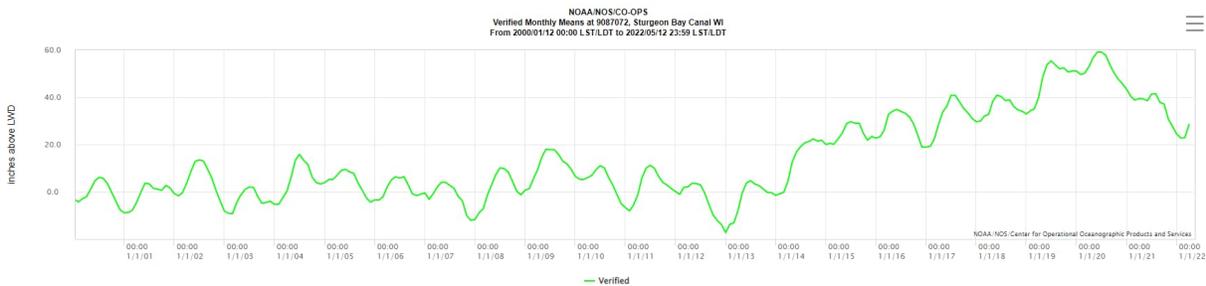


Figure 2. NOAA Lake Michigan Water Levels

Figure 3 depicts an air photo from May 7, 2019, where the water surface elevation was about 45 inches above Low Water Datum (LWD).



Figure 3. Oblique Air Photo of May 7, 2019

Recommendations

It appears the armor stones are generally maintaining the integrity of this structure. Void spaces and areas observed during the field inspection should be filled. The following table provides general guidance on filling at specific areas. We recommend a follow-up breakwater survey and inspection to occur in 5 years, or sooner if any physical change in the breakwater becomes apparent during your staff's site visits.

Table 3. Site Observation and Recommended Treatment

JOINT NUMBER	OUTSIDE (LAKEWARD) EDGE OF BREAKWATER	INSIDE (HARBOR) EDGE OF BREAKWATER
1, 2, 3	add 12" - 18" stones between sidewalk and armor stone	add 12" - 18" stones between sidewalk and A stone (entire length, all joints)
8	add 12" - 18" stones along sidewalk	
10	add several 24" - 36" stones in armor layer, add 12" - 18" along sidewalk	
13, 14, 15	add 12" - 18" stones between sidewalk and armor stone	
15, 16	fill void adjacent sidewalk with 8" - 12" stones	
18, 19, 20, 21, 22	fill void adjacent sidewalk with 8" - 12" stones	
23, 24, 25	add 12" - 18" stones between sidewalk and armor stone	
26	fill void adjacent sidewalk with 8" - 12" stones	
27, 28, 29	add 12" - 18" stones between sidewalk and armor stone	
30, 31, 32, 33	add 12" - 18" stones between sidewalk and armor stone	
34, 35, 36, 37, 38, 39	add 18" -24" stones between sidewalk and armor stone	
40,	add 18" -24" stones between sidewalk and armor stone	
end of breakwater	fill void with 12"-18 stones	

Please give me a call at 920-406-3216 if you have any questions or would like to discuss further.

Yours sincerely,

Peter J. Diemer, PE, CH
 Project Manager
 AECOM
 E: peter.diemer@aecom.com

Attachments: Attachment 1: Aerial Photograph (May 2022)
 Attachment 2: Ground Photograph Comparison (2006, 2016, 2022)

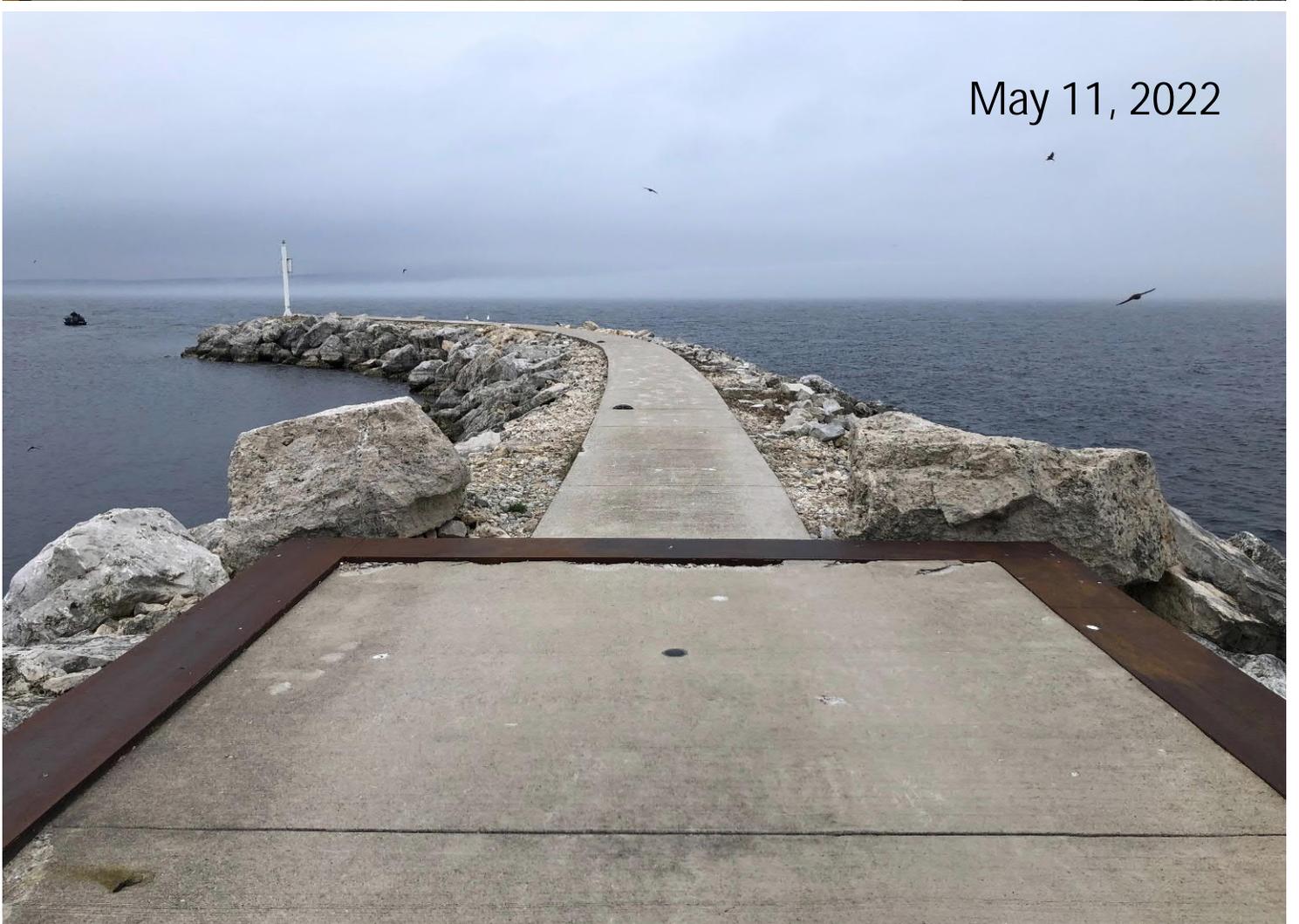


George K. Pinney County Park
Breakwater Survey – Spring 2022

Nov. 14, 2016



May 11, 2022





July 19, 2006



Nov. 14, 2016



May 11, 2022



July 19, 2006



Nov. 14, 2016



May 11, 2022



August 2, 2006



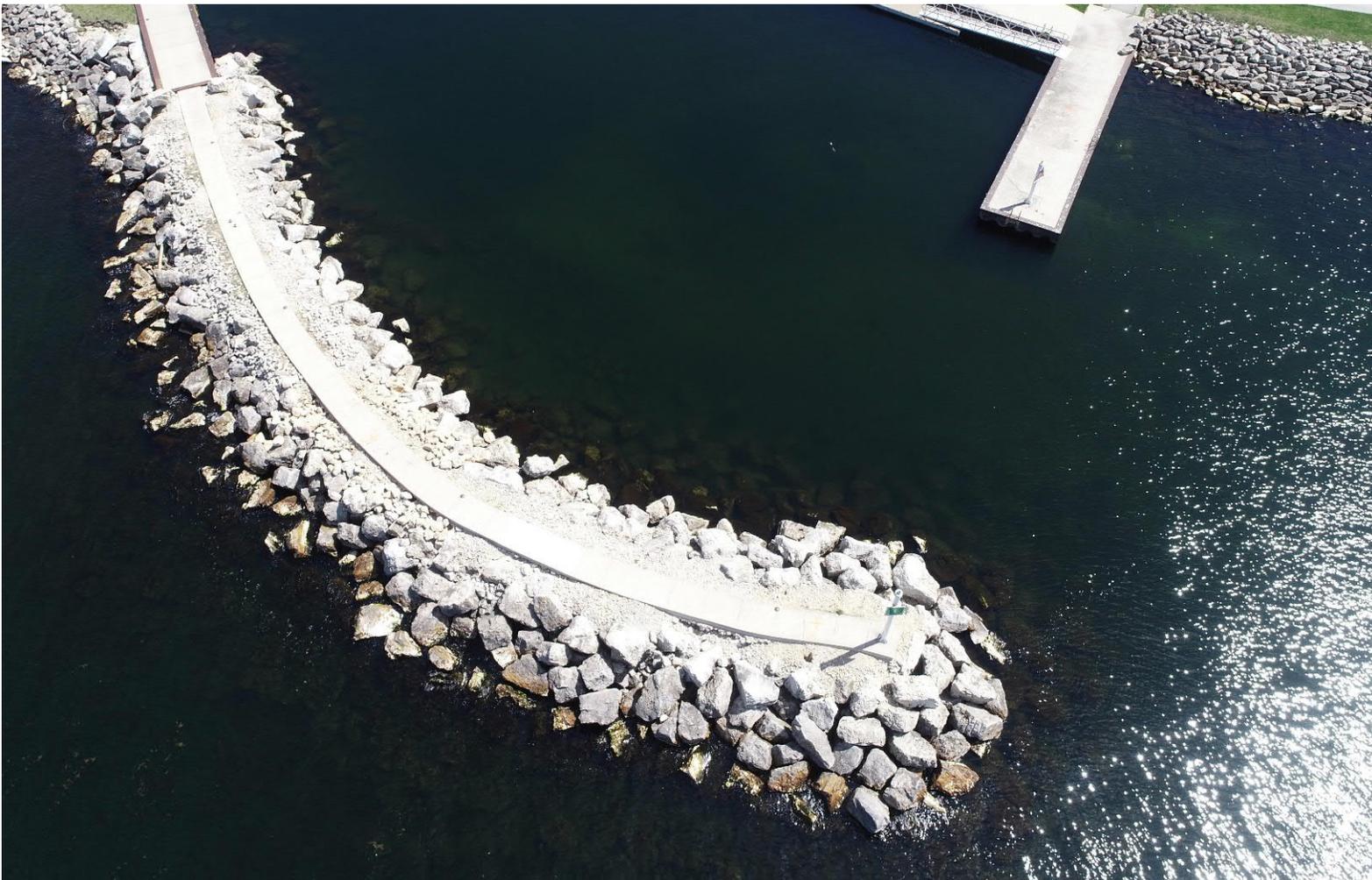
Nov. 4, 2016



May 11, 2022



October 18, 2016



May 11, 2022

October 18, 2016

STATION
178



STATION 178

May 11, 2022



Budget Worksheet Report

Budget Year 2023

Account	Account Description	2022 Adopted Budget	2022 Amended Budget	2022 Actual Amount	2022 Projected Amount	2023 Dept Requested
Fund 100 - General Fund						
REVENUE						
Department 37 - Facilities & Parks						
Intergovernmental Revenues						
Federal Aid						
Education and Recreation						
43433.0202	St Aid Snowmobile 2022	70,350.00	71,550.00	.00	.00	.00
2						
43433.0202	St. Aid Snowmobile 2023	.00	.00	.00	.00	72,210.00
3						
<i>Education and Recreation Totals</i>		\$70,350.00	\$71,550.00	\$0.00	\$0.00	\$72,210.00
<i>Federal Aid Totals</i>		\$70,350.00	\$71,550.00	\$0.00	\$0.00	\$72,210.00
State Aid						
Education and Recreation						
43427.6749	St Aid Pinney Pk Breakwal Pinney Park Breakwall	1,322.00	1,322.00	.00	.00	.00
43727.6734	St Aid Forestville Millpond Forestville Fishing Pier	.00	14,897.50	1,210.50	2,084.12	.00
<i>Education and Recreation Totals</i>		\$1,322.00	\$16,219.50	\$1,210.50	\$2,084.12	\$0.00
<i>State Aid Totals</i>		\$1,322.00	\$16,219.50	\$1,210.50	\$2,084.12	\$0.00
Intergovernmental Revenues						
Education and Recreation						
43427.6725	St Aid Ahnapee Trail Ahnapee Trail	.00	44,897.00	.00	.00	.00
43427.6754	St Aid Pinney Park	.00	158,641.60	79,320.80	136,566.47	.00
43427.6755	St Aid Carmody Park	.00	4,151.00	2,075.50	3,573.38	.00
43427.6756	St Aid Chaudoir's Dock	.00	4,151.00	2,075.50	3,573.38	.00
43433.S557	St Aid Snowmobile Bridge Grant	37,200.00	37,200.00	.00	.00	.00
8						
<i>Education and Recreation Totals</i>		\$37,200.00	\$249,040.60	\$83,471.80	\$143,713.23	\$0.00
<i>Intergovernmental Revenues Totals</i>		\$37,200.00	\$249,040.60	\$83,471.80	\$143,713.23	\$0.00
<i>Intergovernmental Revenues Totals</i>		\$108,872.00	\$336,810.10	\$84,682.30	\$145,797.35	\$72,210.00
Public Charges for Services						
Public Works						
Public Works						
46341	Boat Launching Fees	85,000.00	85,000.00	61,649.00	130,764.56	80,000.00
<i>Public Works Totals</i>		\$85,000.00	\$85,000.00	\$61,649.00	\$130,764.56	\$80,000.00
<i>Public Works Totals</i>		\$85,000.00	\$85,000.00	\$61,649.00	\$130,764.56	\$80,000.00
Culture & Recreation						
Public Works						
46741	J Miles Facility Rentals	23,000.00	23,000.00	6,521.33	11,227.76	23,000.00
46741.0411	Fairgrounds - Clay Fill	5,000.00	5,000.00	1,500.00	5,165.09	5,600.00
8						

Account	Account Description	2022 Adopted Budget	2022 Amended Budget	2022 Actual Amount	2022 Projected Amount	2023 Dept Requested
Fund 100	General Fund					
	REVENUE					
	Department 37 - Facilities & Parks					
	Public Charges for Services					
	Culture & Recreation					
	Public Works					
46742	Park Facility Rental	1,800.00	1,800.00	1,768.25	3,044.39	1,800.00
	Public Works Totals	\$29,800.00	\$29,800.00	\$9,789.58	\$19,437.24	\$30,400.00
	Culture & Recreation Totals	\$29,800.00	\$29,800.00	\$9,789.58	\$19,437.24	\$30,400.00
	General Government					
	General Government					
46744	980 Housing Rental	.00	.00	20,000.00	41,320.75	45,600.00
	General Government Totals	\$0.00	\$0.00	\$20,000.00	\$41,320.75	\$45,600.00
	General Government Totals	\$0.00	\$0.00	\$20,000.00	\$41,320.75	\$45,600.00
	Rents					
	Education and Recreation					
46340.0427 4	Land Rent-Parks Land Rent-Parks	200.00	200.00	1.00	1.72	200.00
	Education and Recreation Totals	\$200.00	\$200.00	\$1.00	\$1.72	\$200.00
	Rents Totals	\$200.00	\$200.00	\$1.00	\$1.72	\$200.00
	Public Charges for Services Totals	\$115,000.00	\$115,000.00	\$91,439.58	\$191,524.27	\$156,200.00
	Interest					
	Culture & Recreation					
	General Government					
48116	Interest Cana Island Rese	500.00	500.00	260.16	447.92	125.00
	General Government Totals	\$500.00	\$500.00	\$260.16	\$447.92	\$125.00
	Culture & Recreation Totals	\$500.00	\$500.00	\$260.16	\$447.92	\$125.00
	Interest Totals	\$500.00	\$500.00	\$260.16	\$447.92	\$125.00
	Misc Revenues					
	Culture & Recreation					
	Education and Recreation					
48207	Cana Isl Rental & Admin.	20,000.00	20,000.00	.00	.00	20,000.00
	Education and Recreation Totals	\$20,000.00	\$20,000.00	\$0.00	\$0.00	\$20,000.00
	Culture & Recreation Totals	\$20,000.00	\$20,000.00	\$0.00	\$0.00	\$20,000.00
	Internal Service Funds					
	Highway Internal Service					
48402	Sale of Salvage & Wst Prd	50.00	50.00	106.05	182.59	.00
48403	Miscellaneous Receipts	.00	.00	417.34	718.53	350.00
	Highway Internal Service Totals	\$50.00	\$50.00	\$523.39	\$901.12	\$350.00
	Internal Service Funds Totals	\$50.00	\$50.00	\$523.39	\$901.12	\$350.00

Budget Worksheet Report

Budget Year 2023

Account	Account Description	2022 Adopted Budget	2022 Amended Budget	2022 Actual Amount	2022 Projected Amount	2023 Dept Requested
Fund 100 - General Fund						
REVENUE						
Department 37 - Facilities & Parks						
Misc Revenues						
Property Sales						
General Government						
48302	Sale of Othr Co Own Prpty	1,000.00	1,000.00	.00	.00	500.00
<i>General Government Totals</i>		\$1,000.00	\$1,000.00	\$0.00	\$0.00	\$500.00
<i>Property Sales Totals</i>		\$1,000.00	\$1,000.00	\$0.00	\$0.00	\$500.00
Other Revenues						
General Government						
48420	Witness Fees/Jury Duty	.00	.00	21.52	37.05	.00
48501	Other Revenues	.00	.00	2,350.00	4,045.99	.00
48527	Park Donations-Projects	2,000.00	2,000.00	23,956.82	41,246.41	2,000.00
<i>General Government Totals</i>		\$2,000.00	\$2,000.00	\$26,328.34	\$45,329.45	\$2,000.00
Education and Recreation						
48527.6736	Parks Donation - Ahnapee Trail Extension	.00	.00	.00	.00	5,000.00
<i>Education and Recreation Totals</i>		\$0.00	\$0.00	\$0.00	\$0.00	\$5,000.00
<i>Other Revenues Totals</i>		\$2,000.00	\$2,000.00	\$26,328.34	\$45,329.45	\$7,000.00
<i>Misc Revenues Totals</i>		\$23,050.00	\$23,050.00	\$26,851.73	\$46,230.57	\$27,850.00
Department 37 - Facilities & Parks Totals		\$247,422.00	\$475,360.10	\$203,233.77	\$384,000.11	\$256,385.00
REVENUE TOTALS		\$247,422.00	\$475,360.10	\$203,233.77	\$384,000.11	\$256,385.00
EXPENSE						
Department 37 - Facilities & Parks						
Sub-Department 1120 - Building Maintenance						
Salary & Wages						
Salary & Wages						
51101	Salary & Wages	610,466.00	610,466.00	249,252.99	497,781.40	649,456.00
51101.300P	S&W Vac/PTO Vacation	.00	.00	22,872.17	45,707.66	.00
R						
51101.311P	PTO/Vac/Sick/EUSL Payout	.00	.00	7,968.24	13,718.90	.00
R						
51101.320P	S&W Holiday Holiday	.00	.00	3,349.56	9,765.82	.00
R						
51101.340P	S&W Jury Jury Duty	.00	.00	139.20	239.66	.00
R						
51101.385P	S&W - COVID 19	.00	.00	303.60	522.71	.00
R						
51101.390P	S&W Personal Personal	.00	.00	1,299.85	2,678.15	.00
R						
51102	Salary & Wages Part Time	20,059.00	20,059.00	8,184.60	16,365.43	20,660.00

Budget Worksheet Report

Budget Year 2023

Account	Account Description	2022 Adopted Budget	2022 Amended Budget	2022 Actual Amount	2022 Projected Amount	2023 Dept Requested																					
Fund 100 - General Fund																											
EXPENSE																											
Department 37 - Facilities & Parks																											
Sub-Department 1120 - Building Maintenance																											
<i>Salary & Wages</i>																											
<i>Salary & Wages</i>																											
51102.299P	PT Vac/PTO PT Vacation R	.00	.00	455.68	1,011.95	.00																					
51102.319P	PT Holiday PT Holiday R	.00	.00	108.26	311.46	.00																					
51102.385P	PT COVID 19 R	.00	.00	194.28	334.49	.00																					
51102.389P	PT Personal PT Personal R	.00	.00	72.64	125.06	.00																					
51104	Overtime	3,500.00	3,500.00	379.08	652.66	3,500.00																					
51117	On Call Compensation	8,251.00	8,251.00	3,624.17	7,338.41	8,251.00																					
<i>Salary & Wages Totals</i>		\$642,276.00	\$642,276.00	\$298,204.32	\$596,553.76	\$681,867.00																					
<i>Salary & Wages Totals</i>		\$642,276.00	\$642,276.00	\$298,204.32	\$596,553.76	\$681,867.00																					
<i>Fringe Benefits</i>																											
<i>Fringe Benefits</i>																											
51201	Social Security	49,134.00	49,134.00	21,851.24	43,666.09	52,163.00																					
51202	Retirement	41,748.00	41,748.00	18,865.48	37,884.52	46,367.00																					
51203	Dental Insurance	11,118.00	11,118.00	5,197.70	10,379.26	11,118.00																					
51204	Health Insurance	188,496.00	188,496.00	77,880.00	154,498.30	173,808.00																					
51205	Life Insurance	357.00	357.00	175.70	351.67	302.00																					
51206	Workers Compensation	24,357.00	24,357.00	10,304.33	20,683.22	25,176.00																					
<i>Fringe Benefits Totals</i>		\$315,210.00	\$315,210.00	\$134,274.45	\$267,463.06	\$308,934.00																					
<i>Fringe Benefits Totals</i>		\$315,210.00	\$315,210.00	\$134,274.45	\$267,463.06	\$308,934.00																					
<i>Purchased Services</i>																											
<i>Fuel, Utilities, Telephone</i>																											
52203	Fuel-Heating	24,000.00	24,000.00	10,513.39	19,691.35	25,200.00																					
<table border="1"> <tr> <td colspan="7">Comments</td> </tr> <tr> <td>Level</td> <td colspan="6">Comment</td> </tr> <tr> <td>Dept Requested</td> <td colspan="6">+5% for 2023</td> </tr> </table>							Comments							Level	Comment						Dept Requested	+5% for 2023					
Comments																											
Level	Comment																										
Dept Requested	+5% for 2023																										
52203.6501	Fuel-Heat-Justice Ctr Justice Center	62,000.00	62,000.00	38,925.85	71,751.89	69,000.00																					
<table border="1"> <tr> <td colspan="7">Comments</td> </tr> <tr> <td>Level</td> <td colspan="6">Comment</td> </tr> <tr> <td>Dept Requested</td> <td colspan="6">+11% for 2023</td> </tr> </table>							Comments							Level	Comment						Dept Requested	+11% for 2023					
Comments																											
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Account	Account Description	2022 Adopted Budget	2022 Amended Budget	2022 Actual Amount	2022 Projected Amount	2023 Dept Requested																					
Fund 100 - General Fund																											
EXPENSE																											
Department 37 - Facilities & Parks																											
Sub-Department 1120 - Building Maintenance																											
<i>Purchased Services</i>																											
<i>Fuel, Utilities, Telephone</i>																											
52203.6504	Fuel-Heat - 56 N 4th Ave	8,000.00	8,000.00	6,070.71	10,755.17	9,000.00																					
52203.6513	Fuel-Heat-Museum Bldgs Museum	4,800.00	4,800.00	2,054.54	3,691.96	7,200.00																					
<table border="1"> <tr><td colspan="7">Comments</td></tr> <tr><td>Level</td><td>Comment</td><td colspan="5"></td></tr> <tr><td>Dept Requested</td><td>+50% for the new facility</td><td colspan="5"></td></tr> </table>							Comments							Level	Comment						Dept Requested	+50% for the new facility					
Comments																											
Level	Comment																										
Dept Requested	+50% for the new facility																										
52205	Utilities	78,000.00	76,500.00	24,421.93	43,482.83	81,900.00																					
52205.6501	Utilities-Justice Center Justice Center	174,000.00	174,000.00	52,712.39	120,825.81	182,700.00																					
52205.6504	Utilities-56 N 4th Ave	9,000.00	9,000.00	3,252.12	7,488.90	10,000.00																					
52205.6513	Utilities-Museum Museum	4,500.00	4,500.00	1,422.22	3,250.88	6,000.00																					
<table border="1"> <tr><td colspan="7">Comments</td></tr> <tr><td>Level</td><td>Comment</td><td colspan="5"></td></tr> <tr><td>Dept Requested</td><td>+40% for the new Facility</td><td colspan="5"></td></tr> </table>							Comments							Level	Comment						Dept Requested	+40% for the new Facility					
Comments																											
Level	Comment																										
Dept Requested	+40% for the new Facility																										
52205.6523	Utilities-980 Housing	.00	.00	209.62	360.90	3,000.00																					
<table border="1"> <tr><td colspan="7">Comments</td></tr> <tr><td>Level</td><td>Comment</td><td colspan="5"></td></tr> <tr><td>Dept Requested</td><td>Hold a budget in case a house is not occupied. Expenses come back to the county.</td><td colspan="5"></td></tr> </table>							Comments							Level	Comment						Dept Requested	Hold a budget in case a house is not occupied. Expenses come back to the county.					
Comments																											
Level	Comment																										
Dept Requested	Hold a budget in case a house is not occupied. Expenses come back to the county.																										
52206	Telephone	6,200.00	6,200.00	2,413.34	4,935.99	6,200.00																					
52302.6501	Serv Contr-JC Justice Center	37,500.00	37,500.00	23,545.42	48,622.58	39,000.00																					
<i>Fuel, Utilities, Telephone Totals</i>		\$408,000.00	\$406,500.00	\$165,541.53	\$334,858.26	\$439,200.00																					
<i>Repair & Maintenance</i>																											
52301	Repair & Maintenance	2,000.00	2,000.00	68.91	13,571.16	2,000.00																					
52301.6513	R&M Museum Bldg Museum	4,000.00	4,000.00	657.55	3,956.70	5,000.00																					
<table border="1"> <tr><td colspan="7">Comments</td></tr> <tr><td>Level</td><td>Comment</td><td colspan="5"></td></tr> <tr><td>Dept Requested</td><td>new facility budget increase</td><td colspan="5"></td></tr> </table>							Comments							Level	Comment						Dept Requested	new facility budget increase					
Comments																											
Level	Comment																										
Dept Requested	new facility budget increase																										
52301.6515	R&M Washington Island	2,500.00	2,500.00	862.97	1,485.77	2,500.00																					
52301.6521	R&M Sr Resource Center Sr Resource Center Bldg	8,500.00	8,500.00	6,061.02	10,605.95	8,500.00																					
52301.6523	R&M 980 Housing	.00	.00	1,824.09	3,376.41	42,600.00																					

Account	Account Description	2022 Adopted Budget	2022 Amended Budget	2022 Actual Amount	2022 Projected Amount	2023 Dept Requested						
Fund 100	General Fund											
	EXPENSE											
	Department 37 - Facilities & Parks											
	Sub-Department 1120 - Building Maintenance											
	<i>Purchased Services</i>											
	<i>Repair & Maintenance</i>											
52302	Service Contracts	39,000.00	39,000.00	19,784.48	35,850.78	32,000.00						
	<table border="1"> <thead> <tr> <th colspan="2">Comments</th> </tr> <tr> <th>Level</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Dept Requested</td> <td>separate spread sheet indicates all active contracts</td> </tr> </tbody> </table>						Comments		Level	Comment	Dept Requested	separate spread sheet indicates all active contracts
Comments												
Level	Comment											
Dept Requested	separate spread sheet indicates all active contracts											
52302.0003 7	SC-Software Facilities & Parks Bldg Maintenance	21,475.00	21,475.00	13,742.35	36,549.38	29,232.00						
	<table border="1"> <thead> <tr> <th colspan="2">Comments</th> </tr> <tr> <th>Level</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Dept Requested</td> <td>One Source (security cameras), Akita Box, Automated Logic</td> </tr> </tbody> </table>						Comments		Level	Comment	Dept Requested	One Source (security cameras), Akita Box, Automated Logic
Comments												
Level	Comment											
Dept Requested	One Source (security cameras), Akita Box, Automated Logic											
52302.6504	Serv Contr - 56 N 4th Ave	3,500.00	3,500.00	1,181.80	2,034.70	3,500.00						
52302.6518	Service Cont.-Emerg. Ser. EMS Central	500.00	500.00	.00	.00	.00						
52302.6521	Service Cont.-Senior Ctr. Sr Resource Center Bldg	18,000.00	18,000.00	8,905.48	16,709.91	13,500.00						
52303	Repair & Maint-Vehicles	2,900.00	2,900.00	339.08	935.09	2,900.00						
52304	Repair & Maint Equipment	10,000.00	10,000.00	5,445.75	9,973.38	10,000.00						
52304.6501	R&M Equip - Justice Ctr Justice Center	20,000.00	20,000.00	12,180.92	21,632.48	20,000.00						
52304.6504	R&M Equip - 56 N 4th Ave	5,500.00	5,500.00	598.19	1,029.90	4,500.00						
52305	Repair & Maint-Grounds	3,000.00	3,000.00	1,562.62	3,066.43	3,000.00						
52305.6501	R&M Grounds Justice Ctr Justice Center	3,500.00	3,500.00	1,192.46	2,053.06	4,000.00						
52306	Repair & Maint-Buildings	30,000.00	30,000.00	21,773.73	37,487.79	15,000.00						
52306.6501	R&M Bldg-JC Justice Center	13,000.00	13,000.00	5,859.94	10,153.59	13,000.00						
52306.6504	R&M Bldg - 56 N 4th Ave	5,000.00	5,000.00	57.97	156.90	4,000.00						
52312	R&M Supplies	10,000.00	10,000.00	6,966.94	12,289.48	10,000.00						
52312.6501	R&M Supply-Justice Ctr Justice Center	12,000.00	12,000.00	3,380.22	6,109.69	12,000.00						
52312.6521	R & M Supply-Senior Ctr. Sr Resource Center Bldg	4,000.00	4,000.00	1,228.73	2,265.19	4,000.00						
	<i>Repair & Maintenance Totals</i>	\$218,375.00	\$218,375.00	\$113,675.20	\$231,293.74	\$241,232.00						

Budget Worksheet Report

Budget Year 2023

Account	Account Description	2022 Adopted Budget	2022 Amended Budget	2022 Actual Amount	2022 Projected Amount	2023 Dept Requested						
Fund 100	General Fund											
EXPENSE												
Department 37 - Facilities & Parks												
Sub-Department 1120 - Building Maintenance												
<i>Purchased Services</i>												
<i>Other Purchased Services</i>												
52431	Recyclables Service	2,500.00	2,500.00	583.44	1,171.93	2,600.00						
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Comments</th> </tr> <tr> <th>Level</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Dept Requested</td> <td>+3% annual</td> </tr> </tbody> </table>							Comments		Level	Comment	Dept Requested	+3% annual
Comments												
Level	Comment											
Dept Requested	+3% annual											
52431.6501	Recyclable-Justice Center Justice Center	1,800.00	1,800.00	898.92	1,805.61	1,850.00						
52431.6525	Recyclables-EMS/SRC/Parks	2,200.00	2,200.00	1,036.20	2,081.36	2,300.00						
52432	Refuse Collection	1,700.00	1,700.00	805.20	1,617.36	1,750.00						
52432.6501	Refuse Col-Justice Center Justice Center	1,700.00	1,700.00	1,386.32	2,623.94	1,750.00						
52432.6525	Refuse Coll.-EMS/SRC/Parks	4,500.00	4,500.00	1,258.00	2,955.45	5,000.00						
52453	Snow Removal Contracted	24,000.00	24,000.00	5,609.82	9,658.42	24,000.00						
52453.0002	Snow Removal-SRC HS Resource Center	15,000.00	15,000.00	5,526.66	9,515.24	15,000.00						
3												
52453.6501	Snow Removal-JC Justice Center	22,000.00	22,000.00	12,000.58	20,661.38	22,000.00						
<i>Other Purchased Services Totals</i>		\$75,400.00	\$75,400.00	\$29,105.14	\$52,090.69	\$76,250.00						
<i>Purchased Services Totals</i>		\$701,775.00	\$700,275.00	\$308,321.87	\$618,242.69	\$756,682.00						
<i>Materials & Supplies</i>												
<i>Materials & Supplies</i>												
53102	Postage	60.00	60.00	7.22	12.43	60.00						
53106	Office Supplies	650.00	650.00	220.06	378.88	650.00						
53133	Janitorial Supplies	23,000.00	23,000.00	19,514.95	38,509.58	20,000.00						
53133.6501	Maintenance-Justice Ctr Justice Center	18,000.00	18,000.00	7,187.92	14,371.57	19,000.00						
53140	Gasoline, Oil & Antifreeze	7,500.00	7,500.00	2,954.31	5,086.43	8,000.00						
53148	Art Display Expense	500.00	500.00	.00	.00	500.00						
<i>Materials & Supplies Totals</i>		\$49,710.00	\$49,710.00	\$29,884.46	\$58,358.89	\$48,210.00						
<i>Materials & Supplies Totals</i>		\$49,710.00	\$49,710.00	\$29,884.46	\$58,358.89	\$48,210.00						
<i>Travel & Training</i>												
<i>Employee Travel & Training</i>												
54101	Conference Fees & Training	6,000.00	6,000.00	.00	.00	6,000.00						
54102	Training Mile,Meals,Lodge	500.00	500.00	.00	.00	500.00						
54102.0421	Taxable Meals Taxable Meals	50.00	50.00	.00	.00	50.00						
1												

Budget Worksheet Report

Budget Year 2023

Account	Account Description	2022 Adopted Budget	2022 Amended Budget	2022 Actual Amount	2022 Projected Amount	2023 Dept Requested						
Fund 100	General Fund											
EXPENSE												
Department 37 - Facilities & Parks												
Sub-Department 1120 - Building Maintenance												
Travel & Training												
Employee Travel & Training												
	Employee Travel & Training Totals	\$6,550.00	\$6,550.00	\$0.00	\$0.00	\$6,550.00						
	Travel & Training Totals	\$6,550.00	\$6,550.00	\$0.00	\$0.00	\$6,550.00						
Interdepartment Charges												
Allocations & Charges												
55301	S& W Allocation	.00	.00	(16,018.54)	(27,579.09)	(35,000.00)						
	Allocations & Charges Totals	\$0.00	\$0.00	(\$16,018.54)	(\$27,579.09)	(\$35,000.00)						
	Interdepartment Charges Totals	\$0.00	\$0.00	(\$16,018.54)	(\$27,579.09)	(\$35,000.00)						
Other Expenses												
Other Expenses												
59153	Operational Travel Exp	.00	.00	.00	.00	500.00						
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Comments</th> </tr> <tr> <th>Level</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Dept Requested</td> <td>Washington Island Ferry Expenses</td> </tr> </tbody> </table>							Comments		Level	Comment	Dept Requested	Washington Island Ferry Expenses
Comments												
Level	Comment											
Dept Requested	Washington Island Ferry Expenses											
	Other Expenses Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$500.00						
	Other Expenses Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$500.00						
Outlay												
Outlay												
69901	Capital Outlay	83,300.00	83,300.00	65,644.60	103,550.84	111,000.00						
	Outlay Totals	\$83,300.00	\$83,300.00	\$65,644.60	\$103,550.84	\$111,000.00						
	Outlay Totals	\$83,300.00	\$83,300.00	\$65,644.60	\$103,550.84	\$111,000.00						
	Sub-Department 1120 - Building Maintenance Totals	\$1,798,821.00	\$1,797,321.00	\$820,311.16	\$1,616,590.15	\$1,878,743.00						
Sub-Department 1129 - Co Fleet Vehicles												
Purchased Services												
Repair & Maintenance												
52303	Repair & Maint-Vehicles	3,300.00	3,300.00	2,439.60	4,277.65	3,500.00						
	Repair & Maintenance Totals	\$3,300.00	\$3,300.00	\$2,439.60	\$4,277.65	\$3,500.00						
	Purchased Services Totals	\$3,300.00	\$3,300.00	\$2,439.60	\$4,277.65	\$3,500.00						

Budget Worksheet Report

Budget Year 2023

Account	Account Description	2022 Adopted Budget	2022 Amended Budget	2022 Actual Amount	2022 Projected Amount	2023 Dept Requested
Fund 100 - General Fund						
EXPENSE						
Department 37 - Facilities & Parks						
Sub-Department 1129 - Co Fleet Vehicles						
<i>Materials & Supplies</i>						
<i>Materials & Supplies</i>						
53140	Gasoline, Oil & Antifreez	200.00	200.00	.00	.00	200.00
	<i>Materials & Supplies Totals</i>	<u>\$200.00</u>	<u>\$200.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$200.00</u>
	<i>Materials & Supplies Totals</i>	<u>\$200.00</u>	<u>\$200.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$200.00</u>
<i>Outlay</i>						
<i>Outlay</i>						
69910	Vehicle Replmt Purchases	95,572.00	95,572.00	67,525.00	116,257.67	.00
69910.3211	Vehicle Replmt Funding Vehicle Replmnt Funding	43,654.00	43,654.00	.00	.00	69,499.00
3						
	<i>Outlay Totals</i>	<u>\$139,226.00</u>	<u>\$139,226.00</u>	<u>\$67,525.00</u>	<u>\$116,257.67</u>	<u>\$69,499.00</u>
	<i>Outlay Totals</i>	<u>\$139,226.00</u>	<u>\$139,226.00</u>	<u>\$67,525.00</u>	<u>\$116,257.67</u>	<u>\$69,499.00</u>
	Sub-Department 1129 - Co Fleet Vehicles Totals	<u>\$142,726.00</u>	<u>\$142,726.00</u>	<u>\$69,964.60</u>	<u>\$120,535.32</u>	<u>\$73,199.00</u>
Sub-Department 1139 - John Miles Park						
<i>Purchased Services</i>						
<i>Fuel, Utilities, Telephone</i>						
52203	Fuel-Heating	5,500.00	7,000.00	5,994.51	10,320.74	8,250.00
	Comments					
	Level					
	Dept Requested	+50% for the new Facility				
52205	Utilities	22,000.00	22,000.00	9,427.04	16,230.52	24,000.00
	<i>Fuel, Utilities, Telephone Totals</i>	<u>\$27,500.00</u>	<u>\$29,000.00</u>	<u>\$15,421.55</u>	<u>\$26,551.26</u>	<u>\$32,250.00</u>
<i>Repair & Maintenance</i>						
52304	Repair & Maint Equipment	5,000.00	5,000.00	1,478.11	3,072.92	5,000.00
52305	Repair & Maint-Grounds	9,000.00	9,000.00	3,101.32	7,656.51	9,000.00
52306	Repair & Maint-Buildings	8,000.00	8,000.00	837.60	13,537.56	8,000.00
52312	R&M Supplies	5,000.00	5,000.00	301.56	1,841.08	5,000.00
	<i>Repair & Maintenance Totals</i>	<u>\$27,000.00</u>	<u>\$27,000.00</u>	<u>\$5,718.59</u>	<u>\$26,108.07</u>	<u>\$27,000.00</u>
	<i>Purchased Services Totals</i>	<u>\$54,500.00</u>	<u>\$56,000.00</u>	<u>\$21,140.14</u>	<u>\$52,659.33</u>	<u>\$59,250.00</u>

Account	Account Description	2022 Adopted Budget	2022 Amended Budget	2022 Actual Amount	2022 Projected Amount	2023 Dept Requested						
Fund 100	General Fund											
EXPENSE												
Department 37 - Facilities & Parks												
Sub-Department 1139 - John Miles Park												
Outlay												
Outlay												
69917	Future JMP Projects	30,000.00	30,000.00	19,583.20	39,621.78	50,000.00						
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Comments</th> </tr> <tr> <th>Level</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td>Dept Requested</td> <td>Survey & Utility connections - New Facility Electrical Camp Pedestals - Soccer Field South End- Fair</td> </tr> </tbody> </table>							Comments		Level	Comment	Dept Requested	Survey & Utility connections - New Facility Electrical Camp Pedestals - Soccer Field South End- Fair
Comments												
Level	Comment											
Dept Requested	Survey & Utility connections - New Facility Electrical Camp Pedestals - Soccer Field South End- Fair											
<i>Outlay Totals</i>		\$30,000.00	\$30,000.00	\$19,583.20	\$39,621.78	\$50,000.00						
<i>Outlay Totals</i>		\$30,000.00	\$30,000.00	\$19,583.20	\$39,621.78	\$50,000.00						
Sub-Department 1139 - John Miles Park Totals		\$84,500.00	\$86,000.00	\$40,723.34	\$92,281.11	\$109,250.00						
Sub-Department 5202 - Parks System												
Salary & Wages												
Salary & Wages												
51101	Salary & Wages	203,231.00	203,231.00	67,954.59	138,432.29	207,956.00						
51101.300P	S&W Vac/PTO Vacation	.00	.00	6,653.33	12,143.98	.00						
R												
51101.320P	S&W Holiday Holiday	.00	.00	1,011.44	2,905.81	.00						
R												
51101.380P	S&W Trng/Meetng Trng/Meetng	.00	.00	1,080.32	1,859.98	.00						
R												
51101.390P	S&W Personal Personal	.00	.00	450.88	776.28	.00						
R												
51102	Salary & Wages Part Time	178,112.00	178,112.00	29,225.13	75,664.59	178,112.00						
51104	Overtime	800.00	800.00	.00	70.81	800.00						
<i>Salary & Wages Totals</i>		\$382,143.00	\$382,143.00	\$106,375.69	\$231,853.74	\$386,868.00						
<i>Salary & Wages Totals</i>		\$382,143.00	\$382,143.00	\$106,375.69	\$231,853.74	\$386,868.00						
Fringe Benefits												
Fringe Benefits												
51201	Social Security	29,234.00	29,234.00	7,937.54	17,325.26	29,595.00						
51202	Retirement	23,841.00	23,841.00	5,014.71	10,152.15	25,262.00						
51203	Dental Insurance	2,939.00	2,939.00	1,150.08	2,310.11	2,939.00						
51204	Health Insurance	56,304.00	56,304.00	23,212.80	46,626.34	56,304.00						
51205	Life Insurance	66.00	66.00	32.76	65.91	95.00						
51206	Workers Compensation	14,107.00	14,107.00	4,074.16	8,879.97	13,877.00						
51207	Unemployment Compensation	15,000.00	15,000.00	7,541.10	12,983.50	10,000.00						

Account	Account Description	2022 Adopted Budget	2022 Amended Budget	2022 Actual Amount	2022 Projected Amount	2023 Dept Requested																					
Fund 100 - General Fund																											
EXPENSE																											
Department 37 - Facilities & Parks																											
Sub-Department 5202 - Parks System																											
<i>Fringe Benefits</i>																											
<i>Fringe Benefits</i>																											
<i>Fringe Benefits Totals</i>		\$141,491.00	\$141,491.00	\$48,963.15	\$98,343.24	\$138,072.00																					
<i>Fringe Benefits Totals</i>		\$141,491.00	\$141,491.00	\$48,963.15	\$98,343.24	\$138,072.00																					
<i>Purchased Services</i>																											
<i>Professional Services</i>																											
52101	Professional Services	10,000.00	9,000.00	1,525.00	2,625.59	10,000.00																					
<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="7">Comments</td> </tr> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"><i>Level</i></td> <td colspan="5"><i>Comment</i></td> </tr> <tr> <td></td> <td>Dept Requested</td> <td colspan="5">Engineer report- Trail Development</td> </tr> </table>							Comments								<i>Level</i>	<i>Comment</i>						Dept Requested	Engineer report- Trail Development				
Comments																											
	<i>Level</i>	<i>Comment</i>																									
	Dept Requested	Engineer report- Trail Development																									
<i>Professional Services Totals</i>		\$10,000.00	\$9,000.00	\$1,525.00	\$2,625.59	\$10,000.00																					
<i>Fuel, Utilities, Telephone</i>																											
52205	Utilities	8,500.00	8,500.00	2,470.79	10,038.24	9,500.00																					
<i>Fuel, Utilities, Telephone Totals</i>		\$8,500.00	\$8,500.00	\$2,470.79	\$10,038.24	\$9,500.00																					
<i>Repair & Maintenance</i>																											
52301	Repair & Maintenance	18,000.00	18,000.00	742.11	5,064.39	17,000.00																					
52302	Service Contracts	24,000.00	24,000.00	3,013.93	5,996.86	20,500.00																					
<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="7">Comments</td> </tr> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"><i>Level</i></td> <td colspan="5"><i>Comment</i></td> </tr> <tr> <td></td> <td>Dept Requested</td> <td colspan="5">Porta Potty rentals, Pumping Park Toilets, Town of Washington (Percey Johnson , Annual Fire Ext.</td> </tr> </table>							Comments								<i>Level</i>	<i>Comment</i>						Dept Requested	Porta Potty rentals, Pumping Park Toilets, Town of Washington (Percey Johnson , Annual Fire Ext.				
Comments																											
	<i>Level</i>	<i>Comment</i>																									
	Dept Requested	Porta Potty rentals, Pumping Park Toilets, Town of Washington (Percey Johnson , Annual Fire Ext.																									
52303	Repair & Maint-Vehicles	8,000.00	8,000.00	1,163.16	2,367.59	8,000.00																					
52304	Repair & Maint Equipment	7,000.00	7,000.00	3,836.07	9,023.21	7,000.00																					
52305	Repair & Maint-Grounds	11,000.00	11,000.00	2,492.07	4,781.59	21,000.00																					
<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="7">Comments</td> </tr> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"><i>Level</i></td> <td colspan="5"><i>Comment</i></td> </tr> <tr> <td></td> <td>Dept Requested</td> <td colspan="5">Phase II- County wide Park sign repair and update Signs for Meridian & Plum Bottom Parks</td> </tr> </table>							Comments								<i>Level</i>	<i>Comment</i>						Dept Requested	Phase II- County wide Park sign repair and update Signs for Meridian & Plum Bottom Parks				
Comments																											
	<i>Level</i>	<i>Comment</i>																									
	Dept Requested	Phase II- County wide Park sign repair and update Signs for Meridian & Plum Bottom Parks																									
52306	Repair & Maint-Buildings	10,000.00	10,000.00	311.27	535.91	10,000.00																					
52315	Boat Launch Expense	85,000.00	85,000.00	21,163.82	55,215.63	80,000.00																					
52322	R&M Horseshoe Bay Cave	3,000.00	4,000.00	3,464.84	6,885.48	3,000.00																					

Account	Account Description	2022 Adopted Budget	2022 Amended Budget	2022 Actual Amount	2022 Projected Amount	2023 Dept Requested
Fund 100 - General Fund						
EXPENSE						
Department 37 - Facilities & Parks						
Sub-Department 5202 - Parks System						
Purchased Services						
Repair & Maintenance						
52325	R&M Ahnapee Trail	5,000.00	5,000.00	.00	.00	5,000.00
	<i>Repair & Maintenance Totals</i>	<u>\$171,000.00</u>	<u>\$172,000.00</u>	<u>\$36,187.27</u>	<u>\$89,870.66</u>	<u>\$171,500.00</u>
<i>Other Purchased Services</i>						
52402	Membership Dues	750.00	750.00	237.00	408.04	750.00
52411	Laboratory	100.00	100.00	.00	.00	100.00
52430.0202	Snowmobile 2022 - 2022 Grant Year 2	70,350.00	71,550.00	870.70	1,499.08	.00
52430.0202	Snowmobile 2023 - 2023 Grant Year 3	.00	.00	.00	.00	72,210.00
52430.S557	Snowmobile Bridges 8	37,200.00	37,200.00	.00	.00	.00
52453	Snow Removal Contracted	1,200.00	1,200.00	.00	.00	.00
52459	Cana Island Expenses	20,000.00	20,000.00	5,974.16	13,559.06	20,000.00
	<i>Other Purchased Services Totals</i>	<u>\$129,600.00</u>	<u>\$130,800.00</u>	<u>\$7,081.86</u>	<u>\$15,466.18</u>	<u>\$93,060.00</u>
	<i>Purchased Services Totals</i>	<u>\$319,100.00</u>	<u>\$320,300.00</u>	<u>\$47,264.92</u>	<u>\$118,000.67</u>	<u>\$284,060.00</u>
<i>Materials & Supplies</i>						
<i>Materials & Supplies</i>						
53102	Postage	1,000.00	1,000.00	321.70	576.18	1,000.00
53106	Office Supplies	1,400.00	1,400.00	19.90	34.26	1,400.00
53110	Operating Supplies	4,000.00	4,000.00	1,238.06	2,514.88	4,000.00
53129	Clay	1,800.00	1,800.00	.00	.00	5,000.00
53133	Janitorial Supplies	10,000.00	10,000.00	3,565.58	8,332.07	10,000.00
53136	Non-CIP Less than \$5000	.00	.00	5,588.82	9,622.26	.00
53140	Gasoline, Oil & Antifreeze	21,000.00	21,000.00	17,551.73	30,218.78	27,000.00
53185	Memorial Expenses	.00	.00	4,012.53	10,560.09	.00
	<i>Materials & Supplies Totals</i>	<u>\$39,200.00</u>	<u>\$39,200.00</u>	<u>\$32,298.32</u>	<u>\$61,858.52</u>	<u>\$48,400.00</u>
	<i>Materials & Supplies Totals</i>	<u>\$39,200.00</u>	<u>\$39,200.00</u>	<u>\$32,298.32</u>	<u>\$61,858.52</u>	<u>\$48,400.00</u>
<i>Travel & Training</i>						
<i>Employee Travel & Training</i>						
54101	Conference Fees & Training	1,000.00	949.00	175.00	301.30	1,000.00
54102	Training Mile,Meals,Lodge	300.00	351.00	351.00	604.32	300.00

Budget Worksheet Report

Budget Year 2023

Account	Account Description	2022 Adopted Budget	2022 Amended Budget	2022 Actual Amount	2022 Projected Amount	2023 Dept Requested
Fund 100 - General Fund						
EXPENSE						
Department 37 - Facilities & Parks						
Sub-Department 5202 - Parks System						
Travel & Training						
Employee Travel & Training						
	<i>Employee Travel & Training Totals</i>	\$1,300.00	\$1,300.00	\$526.00	\$905.62	\$1,300.00
	<i>Travel & Training Totals</i>	\$1,300.00	\$1,300.00	\$526.00	\$905.62	\$1,300.00
<i>Interdepartment Charges</i>						
<i>Interdepartment Charges</i>						
55107	Leased Copying	2,500.00	2,500.00	772.39	1,703.67	2,500.00
55110	Snow Removal HWY	8,000.00	8,000.00	716.28	1,233.22	5,000.00
	<i>Interdepartment Charges Totals</i>	\$10,500.00	\$10,500.00	\$1,488.67	\$2,936.89	\$7,500.00
	<i>Interdepartment Charges Totals</i>	\$10,500.00	\$10,500.00	\$1,488.67	\$2,936.89	\$7,500.00
<i>Other Expenses</i>						
<i>Other Expenses</i>						
59111	Equipment Rental	2,500.00	2,500.00	.00	.00	2,000.00
	<i>Other Expenses Totals</i>	\$2,500.00	\$2,500.00	\$0.00	\$0.00	\$2,000.00
	<i>Other Expenses Totals</i>	\$2,500.00	\$2,500.00	\$0.00	\$0.00	\$2,000.00
<i>Outlay</i>						
<i>Outlay</i>						
69901	Capital Outlay	124,720.00	124,720.00	20,426.24	48,945.54	109,900.00
69906.6725	Const-Ahnapee Trail Ahnapee Trail	.00	44,897.00	11,032.03	18,993.83	5,000.00
	<i>Comments</i>					
	<i>Level</i>					
	<i>Dept Requested</i>					
	<i>Comment</i>					
69906.6749	Const-Pinney Pk Breakwall Pinney Park Breakwall	.00	.00	.00	10,330.19	.00
69910	Vehicle Replmt Purchases	.00	.00	16,195.00	27,882.90	.00
69910.3211	Vehicle Replmt Funding Vehicle Replmnt Funding 3	51,220.00	51,220.00	.00	.00	59,199.00
<i>Public Safety</i>						
69906.6734	Const-Forestville Millpond Forestville Fishing Pier	.00	14,897.50	.00	.00	.00
69906.6754	Const-Pinney Park	.00	158,641.60	8,338.50	14,356.38	.00
69906.6755	Const-Carmody Park	.00	4,151.00	8,302.33	14,294.11	.00
69906.6756	Const-Chaudoir's Dock	.00	4,151.00	8,302.34	14,294.12	.00

Budget Worksheet Report

Budget Year 2023

Account	Account Description	2022 Adopted Budget	2022 Amended Budget	2022 Actual Amount	2022 Projected Amount	2023 Dept Requested
Fund 100 - General Fund						
EXPENSE						
Department 37 - Facilities & Parks						
Sub-Department 5202 - Parks System						
Outlay						
Outlay						
Public Safety						
	Public Safety Totals	\$0.00	\$181,841.10	\$24,943.17	\$42,944.61	\$0.00
	Outlay Totals	\$175,940.00	\$402,678.10	\$72,596.44	\$149,097.07	\$174,099.00
	Outlay Totals	\$175,940.00	\$402,678.10	\$72,596.44	\$149,097.07	\$174,099.00
	Sub-Department 5202 - Parks System Totals	\$1,072,174.00	\$1,300,112.10	\$309,513.19	\$662,995.75	\$1,042,299.00
Sub-Department 5209 - County Fair						
Purchased Services						
Fuel, Utilities, Telephone						
52205	Utilities	5,800.00	5,800.00	.00	.00	6,500.00
	Fuel, Utilities, Telephone Totals	\$5,800.00	\$5,800.00	\$0.00	\$0.00	\$6,500.00
	Purchased Services Totals	\$5,800.00	\$5,800.00	\$0.00	\$0.00	\$6,500.00
Materials & Supplies						
Materials & Supplies						
53184	Fair PK Road Oiling	2,200.00	2,200.00	.00	.00	2,200.00
	Materials & Supplies Totals	\$2,200.00	\$2,200.00	\$0.00	\$0.00	\$2,200.00
	Materials & Supplies Totals	\$2,200.00	\$2,200.00	\$0.00	\$0.00	\$2,200.00
Other Expenses						
Other Expenses						
58171	Fair Support	88,000.00	88,000.00	23.28	40.08	88,000.00
	Other Expenses Totals	\$88,000.00	\$88,000.00	\$23.28	\$40.08	\$88,000.00
	Other Expenses Totals	\$88,000.00	\$88,000.00	\$23.28	\$40.08	\$88,000.00
	Sub-Department 5209 - County Fair Totals	\$96,000.00	\$96,000.00	\$23.28	\$40.08	\$96,700.00
	Department 37 - Facilities & Parks Totals	\$3,194,221.00	\$3,422,159.10	\$1,240,535.57	\$2,492,442.41	\$3,200,191.00
	EXPENSE TOTALS	\$3,194,221.00	\$3,422,159.10	\$1,240,535.57	\$2,492,442.41	\$3,200,191.00
Fund 100 - General Fund Totals						
	REVENUE TOTALS	\$247,422.00	\$475,360.10	\$203,233.77	\$384,000.11	\$256,385.00
	EXPENSE TOTALS	\$3,194,221.00	\$3,422,159.10	\$1,240,535.57	\$2,492,442.41	\$3,200,191.00
	Fund 100 - General Fund Totals	(\$2,946,799.00)	(\$2,946,799.00)	(\$1,037,301.80)	(\$2,108,442.30)	(\$2,943,806.00)
	Net Grand Totals					

Budget Worksheet Report

Budget Year 2023

REVENUE GRAND TOTALS	\$247,422.00	\$475,360.10	\$203,233.77	\$384,000.11	\$256,385.00
EXPENSE GRAND TOTALS	\$3,194,221.00	\$3,422,159.10	\$1,240,535.57	\$2,492,442.41	\$3,200,191.00
Net Grand Totals	(\$2,946,799.00)	(\$2,946,799.00)	(\$1,037,301.80)	(\$2,108,442.30)	(\$2,943,806.00)

John Miles Park Maintenance Garage Solar Panel Research Option

Variable Solar Cost Projections

	<u>Panel Est Cost</u>	<u>Design Cost</u>	<u>Payback Yrs</u>	<u>\$ saved/yr</u>	<u>kwh/yr generated</u>	<u>2022 Grant Est</u>	<u>2023 Grant ?</u>	<u>Est. Budget increase</u>
Entire Roof	\$ 120,000.00	\$ 24,000.00	18.5-22.2yrs	\$5,395.00	77,966	\$15K-\$20K	not published	\$ 144,000.00
Western Roof	\$ 45,000.00	\$ 9,000.00	18.5-22.2	\$2,027.00	16,898	?	not published	\$ 54,000.00
Eastern Roof	\$ 75,000.00	\$ 15,000.00	18.5-22.2	\$3,368.00	28,068	?	not published	\$ 90,000.00

savings assumption based on cost of electricity at \$0.12 per kilowatt hour (Kwh)