

Morin, Julie

Dec 13 (3
days ago)

to me

Here's the info on the pump out.

----- Forwarded message -----

From: **Byelich, Jordan (DNR)**

Date: Friday, December 13, 2013

Subject: East Tawas

To: "Morin, Julie" <julie_morin@fws.gov>

The harbor includes pump out facilities in the area of the fuel dock.

I assume #2 is about that fact that it is a 6 page doc. for ranking criteria which it appears is what I have as well.

Let me know if any other questions or need anything further.

Thanks.

Jordan J. Byelich

Waterways Development Program Manager

Michigan DNR, Parks and Recreation Division

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Lansing, MI 48933

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SUPPORT THE RECREATION PASSPORT! www.michigan.gov/recreationpassport.

Application for Federal Assistance SF-424

Version 02

* 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	* 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify) <input type="text"/>
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* 3. Date Received: <input type="text" value="10/24/2013"/>	4. Applicant Identifier: <input type="text"/>
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5a. Federal Entity Identifier: <input type="text"/>	* 5b. Federal Award Identifier: <input type="text"/>
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State Use Only:

6. Date Received by State: <input type="text"/>	7. State Application Identifier: <input type="text"/>
---	---

8. APPLICANT INFORMATION:

* a. Legal Name:

* b. Employer/Taxpayer Identification Number (EIN/TIN): <input type="text" value="38-6000134"/>	* c. Organizational DUNS: <input type="text" value="805339991"/>
--	---

d. Address:

* Street1:
Street2:
* City:
County:
* State:
Province:
* Country:
* Zip / Postal Code:

e. Organizational Unit:

Department Name: <input type="text" value="Natural Resources"/>	Division Name: <input type="text" value="Parks and Recreation"/>
--	---

f. Name and contact information of person to be contacted on matters involving this application:

Prefix: * First Name:
Middle Name:
* Last Name:
Suffix:

Title:

Organizational Affiliation:

* Telephone Number: Fax Number:

* Email:

Application for Federal Assistance SF-424

Version 02

9. Type of Applicant 1: Select Applicant Type:

A: State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

Fish and Wildlife Service

11. Catalog of Federal Domestic Assistance Number:

15.622

CFDA Title:

Sportfishing and Boating Safety Act

*** 12. Funding Opportunity Number:**

F13AS00254

* Title:

Boating Infrastructure Grant Program - Tier 2

13. Competition Identification Number:

F13AS00254

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

East Tawas, Iosco, Michigan

*** 15. Descriptive Title of Applicant's Project:**

East Tawas State Harbor Dock Renovation

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424

Version 02

16. Congressional Districts Of:

* a. Applicant

* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:

* a. Start Date:

* b. End Date:

18. Estimated Funding (\$):

* a. Federal	<input type="text" value="1,300,000.00"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="900,000.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="50,000.00"/>
* g. TOTAL	<input type="text" value="2,250,000.00"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- a. This application was made available to the State under the Executive Order 12372 Process for review on .
- b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)**

- Yes No

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title:

* Telephone Number: Fax Number:

* Email:

* Signature of Authorized Representative: * Date Signed:

Application for Federal Assistance SF-424

Version 02

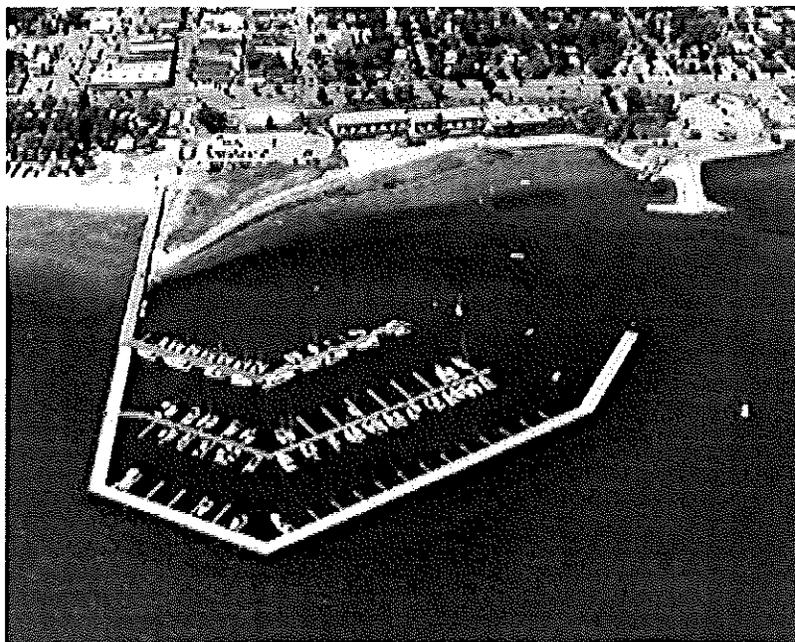
*** Applicant Federal Debt Delinquency Explanation**

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.

Boating Infrastructure Grant Program Tier 2



DOCK RENOVATION EAST TAWAS STATE HARBOR EAST TAWAS, MICHIGAN



Department of Natural Resources
Parks and Recreation Division

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1.0 PURPOSE

The purpose of the project is to increase transient boating in the State of Michigan and offer a safe and convenient stop for transient boaters traveling between Detroit/Port Huron and Mackinaw City.

2.0 LOCATION

East Tawas State Harbor
8795 Lake Street
East Tawas, MI 48467

This project is located in East Tawas, Iosco County, Michigan (refer to location map in the drawings/maps/site photographs section of this application).

Town/Range: T22N, R8E, Section 29
Coordinates: Lat. 44°16'35"N Long. 83°29'05"W

Body of water: Lake Huron

Refer to the location map located in the Drawings/Maps/Site Photographs section of this application package.

3.0 BACKGROUND

The State of Michigan has a mission to protect and preserve the state's natural resources for the enjoyment of present and future generations. Michigan's largest natural resource, the water surrounding it, includes four of the five Great Lakes and approximately 3,200 miles of shoreline, the largest amount of any state in the U.S. In addition, Michigan has over 11,000 inland lakes and over 36,000 miles of rivers and streams. This makes Michigan responsible for protecting the largest quantity of fresh water in the world.

The State of Michigan owns and manages 57,000 acres of designated public water access sites and boating access sites. This acreage includes approximately 1,046 State-developed and operated boating access sites, and 19 harbors on the Great Lakes, including East Tawas State Harbor. Harbors are located approximately every 30 miles along Michigan's Great Lakes shoreline, providing refuge for boaters during dangerous weather/water conditions. The proximity of these public harbor facilities also provides convenient access to the Great Lakes for watercraft large and small as well as needed transient services such as fuel and pumpout.

New and improved access facilities are necessary to help meet the growing demand for recreational facilities generated by increasing boat ownership. In 1965, Michigan had 398,915 registered boaters. In 1980, Michigan had 595,097 registered boaters. Presently, Michigan ranks among the top three states (#3) in the nation in watercraft registrations with nearly 1,000,000 registered boats. It is estimated that there are an additional 300,000-400,000 boaters using boat launch facilities that are unregistered mainly due to the lack of legislative mandate at this time to require registration of canoes and kayaks, which is another growing industry. This high interest supports a large economic base through boater utilization of local fishing, bait shops, sporting goods stores, restaurants, gas stations and other local businesses.

Of the approximately 940,000 recreational boaters on the Great Lakes, \$2.36 billion is spent per year on boating trips, with \$1.44 billion spent on boats and boating equipment/supplies creating 60,000 jobs with \$1.77 billion in personal income which increases the quality of life and appreciation for the environment (Great Lakes Recreation Boating Main Report December, 2008) This high interest in recreational boating dictates a need for continued renovation and reconstruction at existing sites to address wear-and-tear, ice and flood damage, and changing use conditions.

The East Tawas State Harbor is located in Iosco County (T22N, R8E, Section 29) on Lake Huron in East Tawas, Michigan. Lake Huron is part of the Great Lakes system, and is the second largest of the Great Lakes with a surface area of 23,000 square miles with an average depth of 195 feet and a maximum natural depth of 750 feet.

According to a 2010 Census (U.S. Census Bureau), Iosco County has 25,887 residents. Iosco County together with Alcona and Arenac and Huron Counties have 16,867 total watercraft registrations with a total of 939,757 registrations in the State of Michigan. (Michigan Department of State Watercraft Registration Statistics September 3, 2013) In addition, these four counties have eight harbors with Au Gres State Harbor being the closest to East Tawas to the south. Together, these harbors have a total of 305 transient slips that work together to support Lake Huron boaters and the region's economy. East Tawas State Harbor is an important economic driver to the City of East Tawas. Without the East Tawas State Harbor, many local businesses would not be able to survive.

East Tawas is a particularly good location for a facility of this type due to its proximity to cruising routes, open waters for local boating, and its relationship to the City of East Tawas. The facility is located in the primary business district of East Tawas. This close relationship with downtown means that slips are located within a five to ten minute walk of shops, restaurants and other attractions, which is another primary draw for transient boaters. Regionally, East Tawas is located within a three hour drive of significant populations in Detroit, Lansing, Flint, Saginaw, and Midland with tourism being a primary component for the City's economy.

This proposed renovation project is part of a larger, more extensive harbor renovation.

4.0 NEED

With the exception of the boater services building, the docks and infrastructure at East Tawas State Harbor are in poor condition and are at the end of their useful design life. Several transient slips are non-operational due to low water levels and/or failing infrastructure. They are no longer compliant with current Americans with Disabilities Act (ADA) standards and Michigan Department of Natural Resources (DNR) design guidelines. The following items are a list of inadequacies that deter the transient boater from using East Tawas State Harbor and are documented in the 2013 Condition Assessment and Concept Improvements Plan:

1. Piles are rotting and connections are failing. (see photo)
2. Cross-bracing has failed (see photo)
3. Crib structures have failed (see photo)
4. Floating Docks do not comply with current ADA and DNR Standards and a loss of floatation has caused safety hazards by leaning to one side. (see photo)

5. Electrical services do not currently provide enough power for today's transient boater. (Current DNR standards recommend a combination of 30 amp and 50 amp service. (see photo)
6. Utility connections do not meet current code. (see photo)
7. WiFi does not reach slips.

Overall, transient occupancy in the marinas surveyed across the region was around 75%, with two marinas approaching 100% occupancy in 2012. In comparison, occupancy at East Tawas State Harbor was 25% in 2012, with only 20 boats on a typical day (25% of the 80 slips available). (Condition Assessment and Concept Improvements Plan 2013)

An assessment of factors affecting occupancy indicate that the primary reasons occupancy was lower at East Tawas than surrounding marinas is based mostly on the relatively poor and dated condition of the facilities, the lack of modern utilities and the proximity of the existing docks to the comfort station located on the land. More importantly, the key elements that draw transient boaters are proximity to cruising routes and the quality of adjacent landside amenities and attractions. These are factors of geography that East Tawas possesses. East Tawas is recognized as an excellent location in the region by transient boaters. It is estimated that East Tawas could increase their transient occupancy rate by a maximum of 75% when improvements have been completed. (Condition Assessment and Concept Improvements Plan 2013)

5.0 OBJECTIVE

The main objective of the East Tawas State Harbor Dock Renovation project is to provide for improved safety and access for transient boaters through the removal, replacement and expansion of existing site components. These improvements will stimulate the local economy through increased transient boater usage and complement the City's efforts to attracting visitors.

The following is a list of proposed scope items for this project:

5.1 Removals:

- Remove existing dock and finger piers
- Remove existing landside amenities and utilities

5.2 Improvements:

- Floating main dock and finger pier structures anchored by steel pipe piles with 52 slips 26 feet long and larger.
- Gangways
- Landside walkway paving
- Sheet pile shoreline improvements for floating dock connections to shore
- Dock and Landside utilities including shared utility pedestals, potable water service and dark sky lighting
- Dockside boater gathering area for picnicking and family gatherings
- Ice suppression system (a necessary component in Michigan for floating docks to keep ice from compromising the floating dock structure)

5.3 Other Related Project Activities:

- Professional design and engineering services (12%)
- Administration/Site Inspection costs (7%)

6.0 EXPECTED RESULTS OR BENEFITS

Results and/or benefits of the proposed East Tawas State Harbor Dock Renovation will:

- Offer a transient boater stop as a point of refuge between Detroit and Mackinaw City.
- Increase transient occupancy rate in East Tawas by a maximum of 75%.
- Improve access to and from boats by providing floating finger piers and a main dock in close proximity to the dock attendant building and parking lot facility.
- Improve pedestrian circulation through the implementation of ADA improvements.
- Improve dock lighting, water service and ice suppression.
- Increase electrical service capacity.
- Act as a catalyst to the local economy by increasing visitors to the region who will intern spend money on travel, lodging, meals, attractions and fuel.
- Improve overall aesthetics as a result of removing and/or replacing deteriorating docks and other site components with new and improved elements.
- Bring the State, the City, local businesses and organizations closer together through valued partnerships that benefit the transient boater.
- Accommodate larger vessels 26 feet long and larger

The region is primed and ready to welcome back transient boaters. The City of East Tawas has improved their downtown business district and local businesses are looking forward to an increased transient boater presence in the region.

7.0 APPROACH

The proposed project is anticipated to be completed in one phase between September 1, 2014 and September 30, 2017 with design and bidding costs incurred prior to this period. There may be a need to temporarily close areas of the site during certain portions of its construction.

7.1 Design/Construction

Construction for the East Tawas State Harbor Dock Renovation will be done in accordance with the engineered construction plans. In addition, it will be contracted in accordance with all applicable State and Federal regulations governing civil works projects and the competitive bid process. Design and development will be approved by the Michigan Department of Natural Resources (DNR), Parks and Recreation Division (PRD). Final design and approval of all plans and specifications will be done by the DNR (qualified engineer) with the U.S. Fish and Wildlife Service providing review of the engineered documents prior to bidding. In addition, the DNR and the Michigan Department of Technology, Management and Budget (DTMB) will provide on-site construction observation, a report of final inspections, and certificate of substantial completion.

The professional design services include a feasibility study, preliminary site visits, property survey, soil borings, preliminary and final engineering documents, specifications, submittal for

necessary permits, design meetings and attendance at construction progress, inspection and closeout meetings.

All aspects of construction soil erosion and sedimentation control (SESC) will be kept at a minimum through the use of turbidity curtains, silt fence, riprap, and slope restoration methods such as seed, mulch and fertilizer.

Quality control is a key component of any project; therefore, a mandatory pre-bid meeting followed by a mandatory walk-through inspection will be held at the project site. This is to insure that all contractors bidding the project and all other concerned parties are fully aware of the type of work and the expected performance.

The awarded contractor shall comply with all State of Michigan rules, codes, ordinances and the latest edition of regulations relating to buildings, employment, and the preservation of public health and safety. In addition, the awarded contractor will comply with the State of Michigan; DTMB, Office of Facilities, Design and Construction Division, Soil Erosion and Sedimentation Control plan and its associated requirements.

7.2 ADA Accessibility

Facilities will be designed and constructed to be accessible to individuals with disabilities as required by Section 504 of the Rehabilitation Acts of 1973 and the Americans with Disabilities Act of 1992 including the 2010 Americans with Disabilities Standards, US Department of Justice.

7.3 Key Project Personnel

Mary Nardo	DNR PRD Development Unit Manager	Program Oversight
Jordan Byelich	DNR PRD Waterways Development Program Manager	Program Consultation
John Terpstra	DNR PRD Regional Field Planner	Project Manager
Chuck Allen	DNR PRD Field Unit Supervisor	Facility Supervisor
Chris Bahjet	Department of Technology, Management and Budget (DTMB) Project Director	Contract Supervision
Eric Sink	DNR Federal Aid Coordinator	Application Materials
Matt Lincoln	DNR PRD Grants Coordinator	Application Materials

7.4 Permits

A joint U.S. Army Corps of Engineers/Michigan Department of Environmental Quality (DEQ) application will be needed which will produce 2 permits for the project. Any other required permits, including ones from the Iosco County Drain Commissioner or any other forms of local government, will also be obtained.

7.5 Cost Estimate

Description	Total Cost
Removals	\$150,000
Dock and Gangway Construction	\$897,500
Utilities and Ice Suppression	\$507,000
Landside walkway paving	\$27,500
Sheet pile shoreline improvements	\$270,000
SUBTOTAL	\$1,852,000
Engineering (12% of total)	\$220,000
Administration/Inspection (7% of total)	\$128,000
TOTAL COST	\$2,200,000
Federal Grant (60%)	\$1,300,000
State Match (40%)	\$900,000
Program Income	\$50,000
TOTAL COST	\$2,250,000

7.6 Proposed Schedule

Grant Proposal Submitted	October 2013
Final Engineering Completed	April, 2014
Funding Award	May, 2014
Grant Application Submitted	June, 2014
Permits in Place	September, 2014
Construction Bid	October, 2014
Award Construction Contract	January, 2015
Project Start	January, 2015
Project Completion	August, 2015
Final Report Submitted	December, 2015

7.7 Useful Life of Facility

The useful life for the capital improvements is typically 25 years, based on facility replacement needs at other state harbors, due to anticipated general wear and tear, organic corrosion, inevitable ice damage, and possibly changing standards.

8.0 COMPLIANCE

Current technological guidelines and code requirements for the various structures and facilities will be utilized for the design and implementation of improvements to the harbor. Physical and geological features of the site were analyzed to arrive at the recommendations of the preliminary study report. Recommended guidelines were furnished by the DNR, along with those from the Michigan Department of Public Health, ADA, Michigan Construction Code, and U.S. Army Corps of Engineers.

This project will achieve compliance with the following applicable requirements.

- National Environmental Protection Act (NEPA)
- Section 7 Endangered Species Act
- National Historic Preservation Act
- U.S. Army Corps of Engineers Permit
- DEQ Permit
- Americans with Disabilities Act
- National Electric Code
- National Water Code
- Harbor Development Standards Guidance

We anticipate a categorical exclusion to an environmental assessment or an environmental impact statement. A categorical exclusion is based upon no significant impact to the environment, because of the nature of the project to renovate and replace existing structures, and the construction of new facilities within the same general location. The project will take place all within the existing footprint of the harbor. There will be no impacts to known rare species or high quality native plant communities on site. The proposed activities will have minimal impact on the area's aquatic resources.

Upon grant award, a review will be conducted under the authority of Section 106 of the National Historic Preservation Act of 1966.

People with disabilities will be able to use the harbor after completed renovations, based on compliance with Section 504 of the Rehabilitation Act and the ADA.

All work on this project will be performed in accordance with the U.S. Army Corps of Engineers, DEQ, and ADA requirements. The State of Michigan, DTMB Office of Facilities, Design and Construction Division has promulgated standard procedures and specifications for SESC. SESC measures will be monitored and enforced by the Office of Facilities, Design and Construction Division through the review of the awarded contractor's implementation plans and on-site inspections. The awarded contractor will comply with the current State of Michigan rules, codes, ordinances and the latest edition of regulations relating to buildings, employment, and the preservation of public health and safety.

9.0 CLOSING

Due to its location and access to Lake Huron and the City of East Tawas, the proposed improvements to East Tawas State Harbor will once again provide needed refuge and amenities for the transient boater.

Residents and visitors alike already enjoy the wonderful benefits that this region has to offer. Once the harbor improvements are complete, these benefits will once again be fully accessible to the transient boater. East Tawas looks forward to a bright future where the region's economy thrives through the impacts of the transient boater.

10.0 WORKS CITED

Great Lakes Recreational Boating Main Report, December, 2008

Michigan Department of State Watercraft Registration Statistics, September 3, 2013

East Tawas State Harbor Condition Assessment and Concept Improvements Plan, 2013



Ranking Criteria

Ranking Criteria

1. *Provide for public/private and public/public partnership efforts to develop, renovate and maintain BIG facilities.*

Partner	Value Provided to the Transient Boater
<ul style="list-style-type: none"> • Heritage Coast Sailing & Rowing 	<p>Prepare and distribute an annual Transient Boater Survey to capture information from transient boaters in East Tawas. This would be used for future planning efforts and to better understand the transient boater demographic. Estimated yearly value: \$500</p>
<ul style="list-style-type: none"> • Tawas Area Chamber of Commerce 	<p>Promotions, advertisements, annual publications, website promoting specific transient boater amenities and benefits associated with local businesses. Estimated seasonal value: \$3,000</p>
<ul style="list-style-type: none"> • East Tawas Business Association 	<p>Provide a “welcome bag” to transient boaters with coupons, discounts and merchandise from local businesses. Estimated yearly value: \$2,500</p>
<ul style="list-style-type: none"> • Klenow’s Market 	<p>Provide three carts at the State Harbor for use by the transient boater to shop. The market is located 2 blocks from the Harbor. Will also provide staff and vehicle miles to deliver groceries to the dock. Estimated yearly value: \$1,500</p>
<ul style="list-style-type: none"> • Brew Krew 	<p>Additional staff time and vehicle miles for delivery of specialty foods, beers and wines to the State Harbor. Shop is located 2 blocks from the Harbor. Estimated yearly value: \$1,000</p>

Refer to the attached Letters of Commitment for supporting documentation.

Points Expected: 15 points

2. *Use Innovative techniques to increase the availability of BIG facilities for transient nontrailerable recreation vessels (includes education/information).*
- This project will include a boater gathering area as part of the floating docks for use by transient boaters for picnicking, family gatherings and other events.
 - Dark sky lighting will be used on all utility pedestals which will be friendly to the skies and environmentally efficient.
 - The Michigan DNR also provides the transient boater access to it’s unique Michigan Recreational Boating Information System (MRBIS). This online database provides the transient boater information not only on all public transient harbors on the Great Lakes, but also provides information on fishing sites, boating access sites and wildlife in Michigan. This system will be updated to include the transient improvements made at East Tawas State Harbor.
 - Once the East Tawas State Harbor renovation is complete, visitors can utilize Michigan DNR’s unique electronic reservation system, which is currently being

enhanced with additional features to reserve a slip at East Tawas via computer or phone. Michigan is one of only a few states that have implemented such a system for transient boaters and is tied to a statewide network of transient stops. The Michigan DNR is also in the process of adding the state harbor's electronic reservation system to their popular smart phone ap. which will provide additional convenience to the transient boater.

- The DNR will update their *Michigan Harbors Guide*, which is a guide specifically designed for the transient boater and includes all public harbors within the State of Michigan to include the improvements made at East Tawas State Harbor. The Michigan Harbors Guide is published online and as a guidebook and contains information on each harbor and its amenities, making it easier for the transient boater to plan their trip. The renovations at East Tawas State Harbor will become a welcome component to this document, encouraging transient boaters to stop in East Tawas.
- The project will utilize local labor and materials as well as recycled and/or reclaimed materials for construction whenever possible.
- The State through the local chamber of commerce will promote the project in the form of advertisements, annual publications and websites which will specifically target the transient boater user. Facebook, Twitter and other social media will also be a part of this promotional effort.
- A community kiosk will be added to inform transient boaters of current events occurring in East Tawas.

Points Expected: 15 points

3. *Include private, local, or State funds above the required non-Federal match. If so, identify the percentage of non-Federal match.*

The percent non-Federal match for this proposed grant is 40%. This funding will come from the Michigan DNR Waterways Fund. We are requesting that this Federal grant cover 60%.

Federal Grant	(60%)	\$1,300,000
State Match	(40%)	\$900,000
<u>Program Income</u>		<u>\$50,000</u>
TOTAL COST		\$2,250,000

Points Expected: 10 points

4. *Be cost efficient. Projects are cost efficient when the BIG facility or access site features add a high value of economic return and/or public use compared with the proposed funding*

- The proposed project is part of an existing facility that includes restrooms, fuel dock and utilities. These amenities currently accommodate the transient boater.

Points Expected: 5 points

- The proposed project will enhance the existing facility by providing new transient infrastructure and by increasing the transient capacity by bringing nonoperational slips to operational condition.

Points Expected: 5 points

- This project proposes to renovate the existing docks for a total of 52 transient slips 26 feet and larger. The federal cost per slip is \$25,962.

Points Expected: 3 points

Total Points Expected: 9

5. *Provide a significant link to prominent destination way points such as those near metropolitan population centers, cultural or natural areas, or that provide safe harbors from storms.*

The proposed project will renovate and expand transient facilities and will include boat slips. The following table provides details of prominent destination waypoints near East Tawas State Harbor. Also refer to the Destination Waypoints and the Cultural/Natural Resources maps located in the Drawings/Maps/Photographs Section of this application package.

Location	Significance	Distance from Project
Caseville	Safe Harbor	25 miles
Rifle River	Recreation Area	32 miles
Harrisville	Safe Harbor	32 miles
Tawas Point	State Park	2 miles
Lexington	Safe Harbor	96 miles
Saginaw	Population Center	64 miles
Flint	Population Center	80 miles
Port Huron	Population Center, International Entry	115 miles
Bay City	Population Center, State Park	50 miles
Port Crescent	State Park	25 miles
Sleeper	State Park	24 miles
Sanilac Petroglyphs	State Historic Park	50 miles
Au Gres	Safe Harbor	19 miles
Harrisville	Safe Harbor and State Park	28 miles

Presque Isle	Safe Harbor	81 miles
Rockport	State Park	66 miles
Negwegon	State Park	47 miles
Hoelt	State Park	93 miles

Points Expected: 10 points

6. *Provide access to recreational, historic, cultural, natural or scenic opportunities of national, regional, or local significance.*

Local Significance:

- *Downtown East Tawas* provides fine dining, a farmer’s market and shops all within walking distance of East Tawas State Harbor.
- *Downtown Tawas City* provides fine dining, beaches, parks and shops within 2 miles of East Tawas State Harbor
- *Iosco County Historical Museum* provides is located ¼ mile from East Tawas State Harbor and provides displays and artifacts from the region’s past.
- *East Tawas Boating Access Site* provides boat launching facilities within 1,000 feet of the State Docks
- *Gateway Park* offers a boat launch and fishing opportunities located 2 miles from the Harbor.

Regional/State Significance:

- *Sanilac Petroglyphs State Historic Park* is located 50 miles south of East Tawas State Harbor. This is an area to view and learn about ancient petroglyphs.
- *Thumb Area Bottomland Preserve* offers 19 significant shipwrecks for scuba divers located in a 276 square mile area approximately 20 miles offshore from East Tawas State Harbor.
- *Frankenmuth* is located 80 miles south of East Tawas State Harbor and is a popular German-themed tourist destination and is often called “Little Bavaria”.
- *Tawas Point State Park* is located within 2 miles of East Tawas State Harbor and offers a lighthouse, swimming beach, kite-boarding, camping, kayaking, biking, hiking and fishing.
- *Rifle River Recreation Area* is located 32 miles from East Tawas State Harbor and attracts visitors from all over the country as an excellent canoe/kayak and tubing river.
- *Harrisville State Park* is located 28 miles from East Tawas State Harbor and offers hiking, bike rentals, swimming, camping and cabins.

National Significance:

- *Port Austin Reef Lighthouse* is located 25 miles north of East Tawas, listed on the National Registry of Historic Places and is still warns boaters of the reef below. It is often photographed by boaters and associated with the Thumb Area Bottomland Preserve. The light is also one of few solar powered lights in the country.

- *Tawas Point Lighthouse* is located 2 miles from East Tawas State Harbor. In 1850, congress appropriated \$5,000 to build the original lighthouse and it was commissioned in 1853. In 1876, the lighthouse was rebuilt and is now open to the public as a museum. Volunteer keepers can stay overnight in the lighthouse for up to 2 weeks. The lighthouse is part of Tawas Point State Park.
- *Sturgeon Point Lighthouse* is located 40 miles north of East Tawas State Harbor and was commissioned by the United States Lighthouse board in 1869 after congress approved the construction of 70 lighthouses on the Great Lakes in the 1850's. The lighthouse is currently open to the public and is part of Sturgeon Point State Park.
- *Huron National Forest* is located 7 miles from East Tawas State Harbor and offers ORV trails, hiking trails, hunting, fishing and boating opportunities.
- *Thunder Bay National Marine Sanctuary and Maritime Museum* is located 63 miles north of East Tawas State Harbor and offers a museum filled with great lakes shipwreck exhibits. The underwater sanctuary is located off the coast in Lake Huron and contains dozens of shipwrecks.
- *Lumberman's Monument* is located within the Huron National Forest 17 miles from East Tawas on the scenic Au Sable River and features a visitor center and outdoor exhibits where visitors can learn about the country's logging area.
- *Shiawassee National Wildlife Refuge* is located 75 miles southwest of East Tawas State Harbor and offers opportunities to view several threatened and endangered waterfowl. The Refuge also offers hunting, hiking, fishing and boating opportunities.

Also refer to the Cultural/Natural Resources and Destination Waypoints maps located in the Drawings/Maps/Photographs Section of this application package.

Points Expected: 15 points

7. *Provide positive economic impacts to a community.*

The expected economic impact to the East Tawas community is significant. The East Tawas State Harbor renovations will enhance the region's economic competitiveness through increased transient boating activity.

Once the project is complete, it is projected that the East Tawas State Harbor will have an increased transient occupancy rate by a maximum of 75% due to increased accessibility and convenience. The harbor will be heavily advertised and marketed as transient-friendly by our partners and in the *Michigan Harbors Guide*. This, along with word-of-mouth is expected to act as a catalyst for other development projects in the City of East Tawas. The harbor will continue to serve as a major economic driver for the City and region.

In broad terms, East Tawas State Harbor will increase the quality of life in the region and strengthen the business climate. This project is another reason why the region continues to be an attractive place to visit, live and work. Amenities offered

by East Tawas State Harbor are becoming increasingly important to the retired generation with time for recreational boating as well as the younger generation looking for quality of life amenities and variety when selecting a place to settle.

It is expected that the average transient boater will spend \$140 in East Tawas. This is based on the types of goods for sale within the greater East Tawas region and an average transient boater stay of two nights. With an average annual transient capacity of 12,240 there is potential for \$1.72 million spent annually in this region.

Points Expected: 5 points

8. *Include multi-State efforts that result in coordinating location of tie-up and other facilities.*

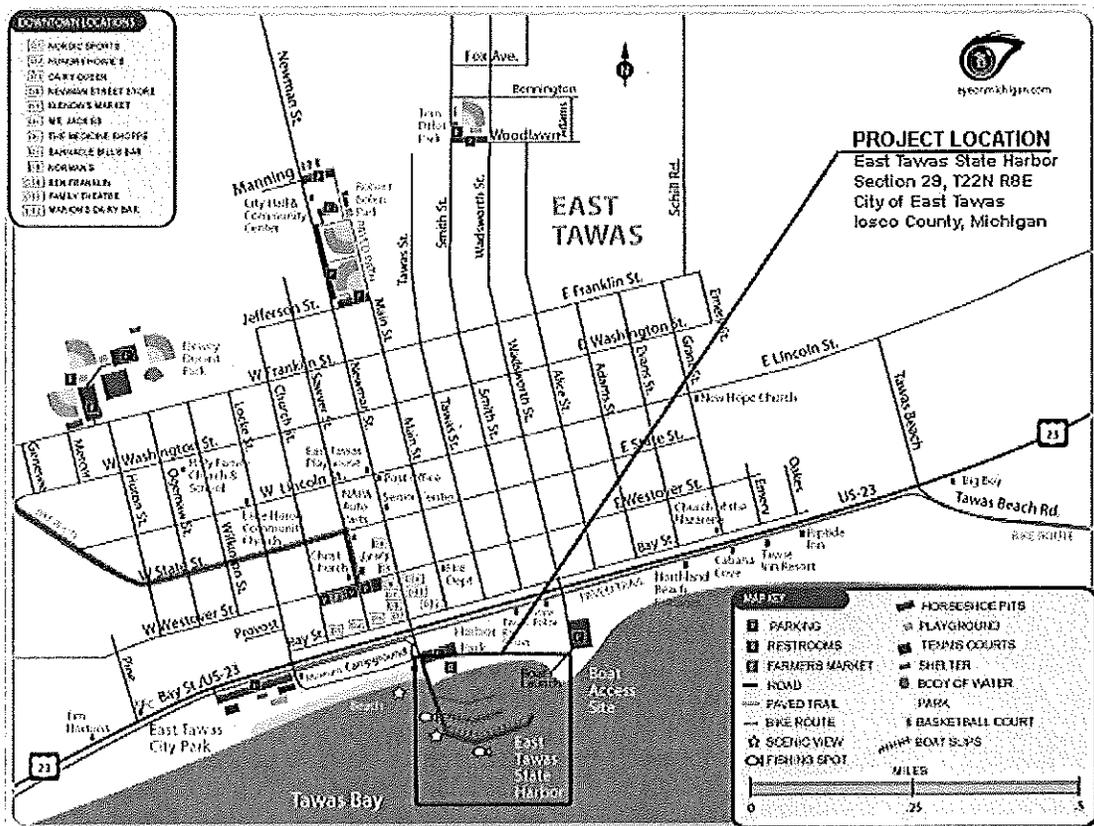
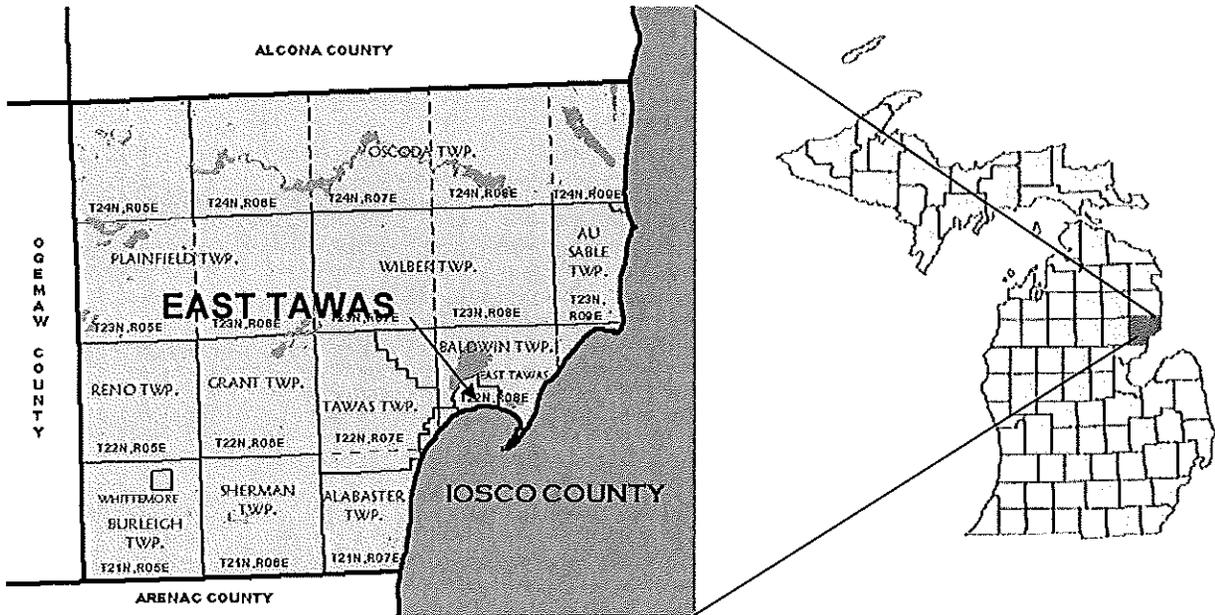
This project will be a destination along the Lake Huron Circle Tour.
www.great-lakes.net/tourism/circlefour/huron/

Refer to the attached Memorandum of Understanding Among the States in the United States Fish and Wildlife Service's Region 3. This document is found in the Supporting Documents section of this application package.

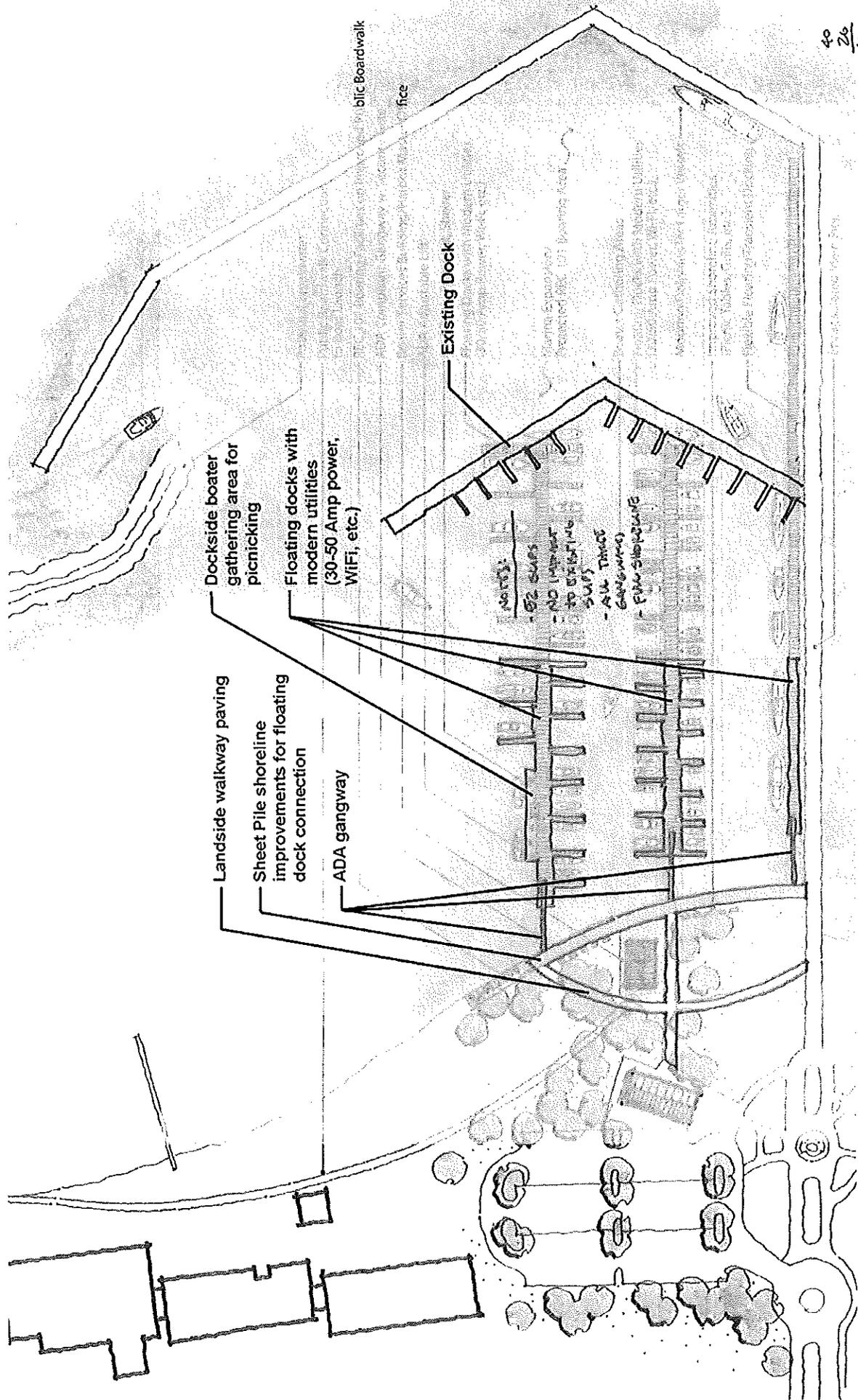
Points Expected: 5 points



Drawings/Maps/Site Photographs



Location Map



NOTES:
 - 52 SLIPS
 - NO IMPROVEMENTS TO EXISTING SLIPS
 - ALL TRUCK GARAGES
 - PUMP STATION

40
 20
 60

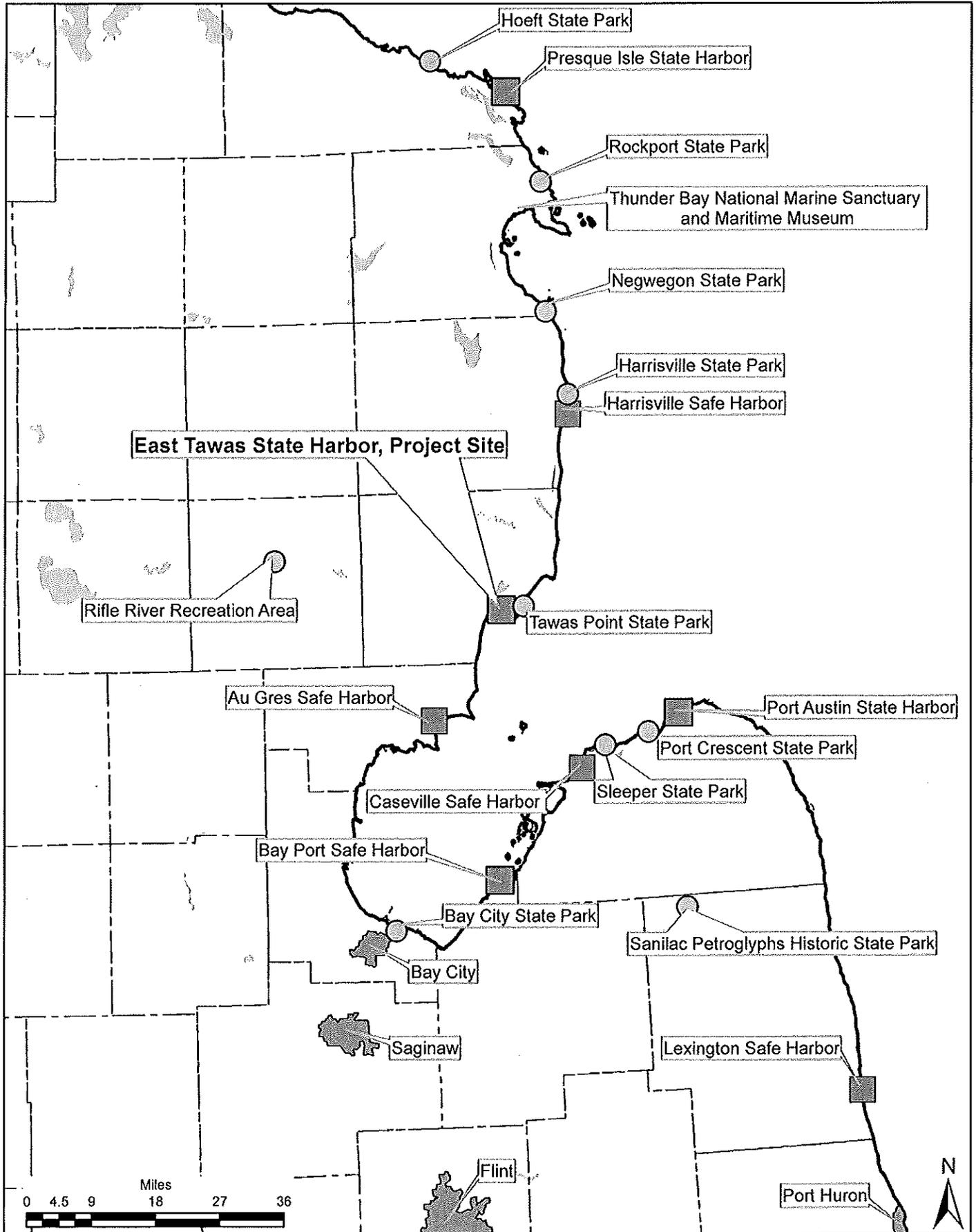
CONCEPTUAL SITE PLAN

9-22-13



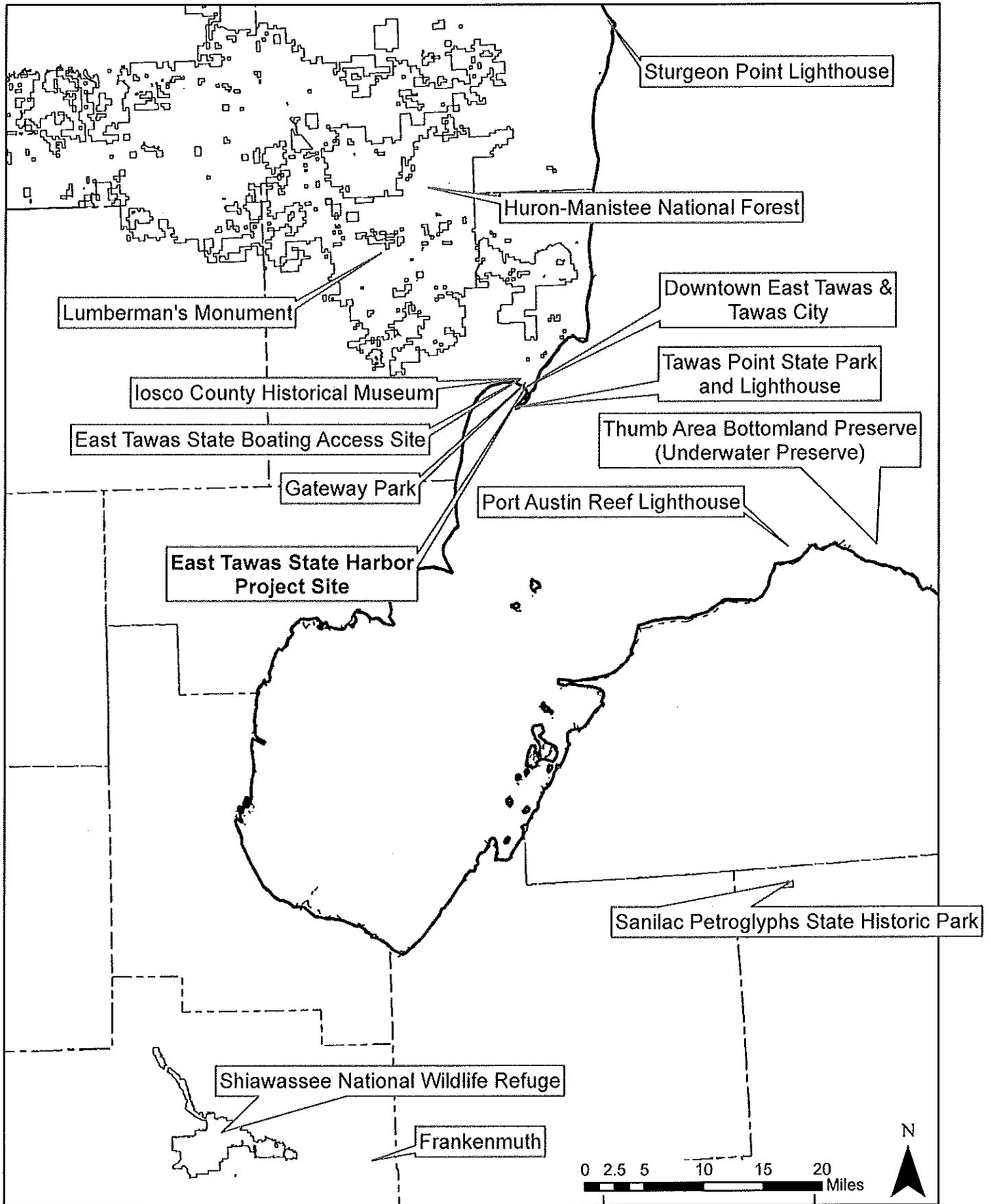
Destination Waypoints Map

(Ranking Criteria #5 and #6)



Cultural/Natural Resources Map

(Ranking Criteria #5 and #6)

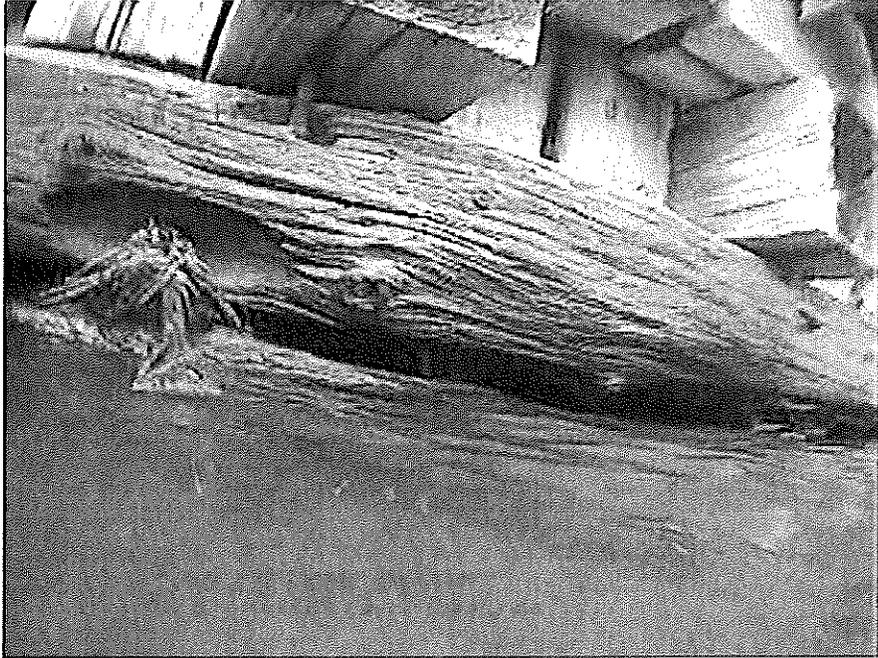




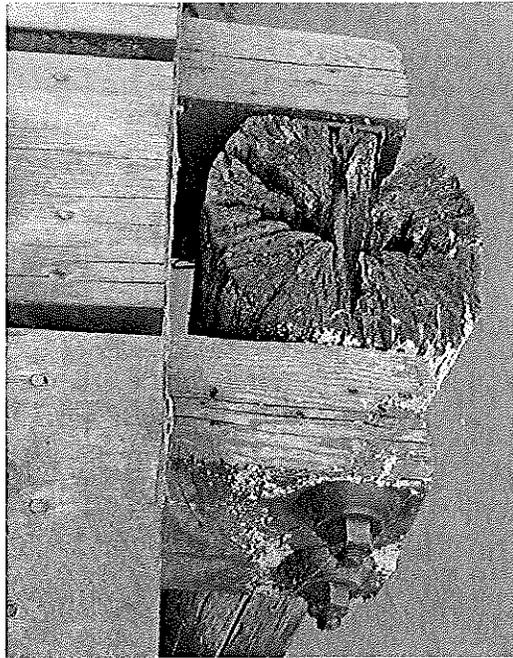
Existing Finger Pier



Existing Floating Pier



Loose connections at crib structure



Timber pile rotting



Split cross-bracing



Existing Utility Pedestal



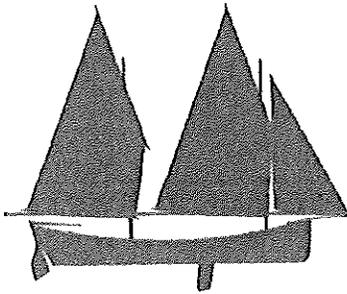
Utility Connections do not meet current code



Existing Slip



Letters of Commitment



*Promoting Community Boat Building, Sailing & Rowing
on the Heritage Coast of Michigan*

HERITAGE COAST
SAILING & ROWING

Mr. Matt Lincoln
Parks and Recreation Division
MDNR
P.O. Box 30257
Lansing, MI 48909

RE: East Tawas State Harbor Dock Renovation

Dear Mr. Lincoln,

Heritage Coast Sailing and Rowing supports the Boating Infrastructure Grant Program Tier 2 proposal to improve East Tawas State Harbor for transient boaters.

The proposed improvements to remove the existing docks and replace them with floating piers will improve access and safety. This improvement, along with improved water depth, electric service and water service will attract transient boaters to our community and benefit the local economy.

Once the grant has been awarded and upon completion of the proposed improvements, Heritage Coast Sailing and Rowing has agreed to prepare and distribute an annual Transient Boater Survey to capture information from transient boaters in East Tawas. This would be used for future planning efforts and to better understand the transient boater demographic to further enhance the transient boater's experience at East Tawas State Harbor. This service is valued at \$500.

We eagerly await the opening of the new facility and look forward to the Tawas Area's bright future.

Please contact me if you have any other questions regarding this agreement.

Sincerely,

David Wentworth
President



402 East Lake Street
P.O. Box 608
Tawas City, MI 48764
Phone: (989) 362-8643
Toll Free: 800-55-TAWAS
Fax: (989) 362-7880
www.tawas.com

October 10, 2013

Mr. Matt Lincoln
Parks and Recreation Division
MDNR
P.O. Box 30257
Lansing, MI 48909

RE: East Tawas State Harbor Dock Renovation

Dear Mr. Lincoln,

Tawas Area Chamber of Commerce supports the Boating Infrastructure Grant Program Tier 2 proposal to improve East Tawas State Harbor for transient boaters.

The proposed improvements to remove the existing docks and replace them with floating piers will improve access and safety. This improvement, along with improved water depth, electric service and water service will attract transient boaters to our community and benefit the local economy.

Once the grant has been awarded and upon completion of the proposed improvements, Tawas Area Chamber of Commerce has agreed to provide promotions, advertisements, annual publications, website promoting specific transient boater amenities and benefits associated with local businesses to further enhance the transient boater's experience at East Tawas State Harbor. This service is valued at \$3,000.

We eagerly await the opening of the new facility and look forward to the Tawas Area's bright future.

Please contact me if you have any other questions regarding this agreement.

Sincerely,

John Brummeler, Board President
(313) 220-9977
jbrummeler@yahoo.com

RECEIVED

OCT 14 2013

PARKS AND RECREATION



East Tawas
Business Association

P.O. Box 229, East Tawas, MI 48730

Oct. 14, 2013

Mr. Matt Lincoln
Parks and Recreation Division
MDNR
PO Box 30257
Lansing, MI 48909

Re: East Tawas State Harbor Dock Renovation

Dear Mr. Lincoln,

The East Tawas Business Association supports the Boating Infrastructure Grant Program Tier 2 proposal to improve East Tawas State Harbor for transient boaters.

The proposed improvements to remove the existing docks and replace them with floating piers will improve access and safety. This improvement, along with improved water depth, electric service and water service will attract transient boaters to our community and benefit the local economy.

Once the grant has been awarded and upon completion of the proposed improvements, East Tawas Business Association has agreed to provide "Welcome Bags" to transient boaters with coupons, discounts and merchandise from local businesses to further enhance the transient boater's experience at East Tawas State Harbor. This service is valued at \$2,500.

We eagerly await the opening of the new facility and look forward to the Tawas Area's bright future.

Please contact me if you have any questions regarding this agreement.

Sincerely,

John Brummeler
President, East Tawas Business Association
jbrummeler@yahoo.com

RECEIVED

OCT 17 2013

PARKS & RECREATION



SINCE 1900

KLENOW'S MARKET
MEAT IS OUR SPECIALTY

Home Smoked Sausage and Bacon

STEVE KLENOW, Owner
201 Newman St., East Tawas, MI 48730
Phone: (989) 362-2341
Fax: (989) 362-2331

October 7, 2013

Mr. Matt Lincoln
Parks and Recreation Division
MDNR
P.O. Box 30257
Lansing, MI 48909

RE: East Tawas State Harbor Dock Renovation

Dear Mr. Lincoln,

Klenow's Market supports the Boating Infrastructure Grant Program Tier 2 proposal to improve East Tawas State Harbor for transient boaters.

The proposed improvements to remove the existing docks and replace them with floating piers will improve access and safety. This improvement, along with improved water depth, electric service and water service will attract transient boaters to our community and benefit the local economy.

Once the grant has been awarded and upon completion of the proposed improvements, Klenow's Market has agreed to provide three carts at the State Dock for use by the transient boater to shop and will deliver groceries to the dock. The grocery store is located two city blocks from the East Tawas State Dock. We hope this will further enhance the transient boater's experience at East Tawas State Harbor. This service is valued at \$1,500.

We eagerly await the opening of the new facility and look forward to the Tawas Area's bright future.

Please contact me if you have any other questions regarding this agreement.

Sincerely,

Steve Klenow, Owner
989-362-2341
klenows@sbcglobe.net

BREW KREW



211 Newman Street, East Tawas, MI 48730

989.362.8730 ph

989.362.0692 fax

office@brewkrew.com

Mr. Matt Lincoln
Parks and Recreation Division
MDNR
P.O. Box 30257
Lansing, MI 48909

RE: East Tawas State Harbor Dock Renovation

Dear Mr. Lincoln,

The Brew Krew supports the Boating Infrastructure Grant Program Tier 2 proposal to improve East Tawas State Harbor for transient boaters.

The proposed improvements to remove the existing docks and replace them with floating piers will improve access and safety. This improvement, along with improved water depth, electric service and water service will attract transient boaters to our community and benefit the local economy.

Once the grant has been awarded and upon completion of the proposed improvements, The Brew Krew has agreed to deliver specialty foods, beers and wines to the dock. The gourmet shop is located two city blocks from the East Tawas State Harbor. We hope this will further enhance the transient boater's experience at East Tawas State Harbor. This service is valued at \$1,000.

We eagerly await the opening of the new facility and look forward to the Tawas Area's bright future.

Please contact me if you have any other questions regarding this arrangement.

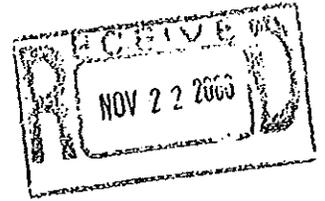
Sincerely,

A handwritten signature in cursive script that reads "Diane Brewer". The signature is written in black ink and is positioned above the printed name.

Diane Brewer



Supporting Documents



Memorandum of Understanding Among the States in the United State Fish and Wildlife Service's Region 3

Whereas, the States of Iowa, Illinois, Missouri and Minnesota support a vast array of recreational boating facilities on their respective waterways, coastal areas and Mississippi River;

Whereas, the Boating Infrastructure Grant (BIG) Program, provides an opportunity to promote public waterways with transient docking, and services available for vessels greater than or equal to 26 feet;

Whereas, communication amongst states can help to facilitate developing a process for the implementation of the BIG Program that includes the promotion of public/private partnerships and entrepreneurial opportunities.

Whereas, discussions to promote administration of the Program within individual states such as those sponsored by the State Organization for Boating Access (SOBA) have proven fruitful;

Whereas, a more formal commitment amongst states may serve to advance Program administration and enable the transient boater to enjoy each of the state's transient boating facilities, waterways, living resources, and history; and

Whereas, the states party to this Agreement do not intend to establish among them a new or separate legal entity but seek to collaborate as independent agencies to meet the goals of the BIG Program,

NOW THEREFORE, we, the undersigned representing state entities agree to the following:

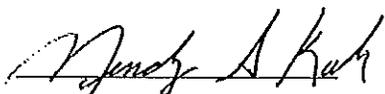
- 1) To cooperate in providing continuity of public access to the shore by increasing and promoting transient slips and related services for vessels greater than or equal to 26 feet;
- 2) To support and administer the BIG Program to improve transient recreational boating opportunities;
- 3) To collaborate on development and use of innovative measures to encourage environmentally friendly marine construction activities and cooperative outreach implementation mechanisms, and to expand interstate agreements between signatory states; and
- 4) To exchange information that assists in the betterment of the overall BIG Program administrative process and project development.

- Addendum To -

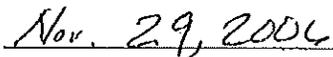
**Memorandum of Understanding
Among the States in the
United States Fish and Wildlife Service's Region 3**

THIS AGREEMENT ADDENDUM, made this 29th day of November, 2006, acknowledges the State of Michigan, Department of Natural Resources, as an active representative along with the states of Iowa, Illinois, Missouri, and Minnesota in the Boating Infrastructure Grant (BIG) Program.

THE STATE OF MICHIGAN,
Department of Natural Resources



Signature



Date

Mindy S. Koch
Resource Management Deputy



East Tawas State Harbor
Condition Assessment and Concept Improvements Plan

Prepared for
Michigan Department of Natural Resources
Lansing, Michigan 48909

January 15, 2013

Prepared by
Edgewater Resources LLC
518 Broad Street, Suite 200
Saint Joseph, Michigan 49085
269 932 4502

EXECUTIVE SUMMARY

The purpose of this study is to assess the physical condition of East Tawas State Harbor, assess the current marina market in the region, identify market trends, and collect stakeholder comments and feedback to guide the preparation of recommendations for the future development of East Tawas State Harbor. The goal of this effort is to guide the future development of the harbor to provide modern boating amenities, improve accessibility, respond to boater preferences on the Great Lakes, integrate the harbor with and partner more closely with the community of East Tawas, and create a financially realistic phasing plan to see the vision through to implementation.

Process

The process for completing this study involved significant outreach and interaction with boaters, residents and leaders of the City of East Tawas, and MDNR staff responsible for the operation of East Tawas State Harbor and other harbors across the region. The process began with parallel efforts to perform a detailed condition assessment of the physical facilities, an in-depth market analysis of thirteen marinas across the region, a boater survey that reached more than 220 boaters, and a stakeholder outreach process that included public meetings with local residents.

The results of the efforts outlined above identified a wide range of issues and opportunities, and helped the team establish a basis of design for the future development recommendations. The information gathered was used to shape a series of five concept alternatives that resolved the issues identified in various ways, and these alternatives were reviewed with MDNR operational staff. Based on that feedback, the best elements of each alternative were refined into three concepts, and those concepts were refined further to a single preferred alternative that served as the basis for cost, phasing, and financial assessments.

Condition Assessment

The process began with a thorough condition assessment including a dive survey and evaluation of all docks, facilities, and infrastructure. The harbor facilities include the original main pier timber crib structures, fixed and floating docks, parking, boater services building, fuel dock with pump out facilities, and electrical and water utilities. The outer breakwater is a more recently constructed steel sheet pile crib structure owned and maintained by the US Army Corps of Engineers and was not evaluated in detail for this study.

In general, with the exception of the boater services building, the docks and infrastructure are aging, non-compliant with current accessibility and MDNR standards, and nearing the end of their useful design life. Specific concerns include:

Timber Main Piers and Fixed Finger Piers

The main pier connecting the beach to the outer breakwater is a stone filled timber crib structure with wood decking, pedestrian lighting, and limited cable railing. The timber crib structure extends to the east where the main pier meets the outer breakwater, and then transitions to an open timber pile structure

leading to the fuel dock. The submerged portions of the timber piles are generally in good shape, but the tops of the piles above the waterline are rotting and many of the connections are failing. In some areas the cross bracing has failed, most notably at the fuel dock. Localized portions of the crib structures have failed, resulting in a loss of stone fill. The fixed finger piers do not comply with current ADA or MDNR standards, and are in fair to poor condition. The single pile piers should be removed, and the double pile piers should be monitored.

At this point, the useful life of these structures has been met, but could be extended through yearly inspection and repairs. However, due to the ongoing yearly costs, we believe the most viable long term solution would be encapsulation with a steel sheet pile system similar to the outer breakwater.

Floating Docks

The floating docks have reached the end of their useful design life and are functionally obsolete. They do not comply with current ADA or MDNR design standards and exhibit a loss of floatation that is causing some finger piers to lean, creating a potential safety hazard. The dive survey identified issues with the anchorage system and delamination of steel components, and we recommend that significant investment in these docks be limited to safety issues only until they can be replaced.

Utilities

The utilities provided at East Tawas State Harbor are dated and substandard for modern boating demands. In particular, the electrical system is undersized and the Wi-Fi system does not reach the slips. While the fuel system and pump out facilities are in working order, they too are dated and should be inspected yearly.

Landside Facilities

The landside facilities at East Tawas State Harbor are generally in good to very good condition. The boater services building is well designed and maintained, and the combination of good maintenance and durability of the finishes and materials specified has resulted in a facility that still feels brand new after more than five years of use. The parking areas, entry, walkways and landscape are generally in good condition.

Geography

East Tawas is a particularly good location for a facility of this type due to its proximity to cruising routes, open waters for local boating, and its relationship to the City of East Tawas. The facility is located at the end of Newman Street, which is the primary business district of East Tawas. This close relationship with downtown means that slips are located within a five to ten minute walk of shops, restaurants and other attractions, which is another primary draw for transient boaters. Regionally, East Tawas is located within a three hour drive of significant populations in Detroit, Lansing, Flint, Saginaw, and Midland.

Market Analysis

A detailed market analysis including eleven state/municipal marinas and two private marinas was performed to assess the overall condition of the marina market on the Saginaw Bay and across the Lake Huron region ranging from Lexington State Dock in the south to De Tour State Dock to the north. The purpose of the market analysis was to document the current market conditions and identify developing trends in the market that could inform the future development of East Tawas State Harbor.

The market analysis documented current occupancy factors at each marina including seasonal/transient slip breakdown, lease rates, and waiting lists, as well as physical facility factors including quality and availability of amenities, water depths, utilities, and infrastructure. Finally, an assessment of location factors including distance to cruising routes, population centers, and adjacency to landside attractions provided insight into boater preferences.

Overall, occupancy in the marinas surveyed across the region was around 75%, with two marinas approaching 100% occupancy in 2012. In comparison, occupancy at East Tawas State Harbor was 35% in 2012, with only 21 of 60 seasonal slips occupied. Average transient occupancy was 20 boats on a typical day (25% of the 80 slips available), but the marina was filled to capacity during peak holiday periods. The facilities in the region with the lowest occupancy were often impacted by current low water levels, which makes occupancy of some slips impossible. This suggests that some of the softness in the regional occupancy may be caused by slips that are currently unusable, and the occupancy rates of usable slips is somewhat higher than 75%.

An assessment of factors affecting occupancy indicate that the primary reasons occupancy was lower at East Tawas than surrounding marinas is based mostly on the relatively poor and dated condition of the facilities and lack of modern utilities and amenities. On the positive side, the challenges with the current facilities can be relatively easily addressed. More importantly, the key elements that draw transient boaters are proximity to cruising routes and the quality of adjacent landside amenities and attractions. These are factors of geography that cannot be changed, and fortunately East Tawas is recognized as an excellent location in the region by transient boaters.

In summary, the market analysis indicates that there is continuing demand in the market for high quality, modern facilities located in desirable destinations. While occupancy across the region is softer than in other parts of the Great Lakes, there is capacity within the current regional demand for significant improvement in the occupancy rates at East Tawas if the facilities are improved to respond to boater expectations. Additionally, East Tawas has deeper water than nearby facilities, and is likely to see increased demand as available water depths in other marinas are further impacted by near historic low water levels on Lake Huron.

The most desired amenities/elements identified in the marina market analysis included deep water, wide floating docks, clean bathrooms in good repair, friendly staff, clean docks and facilities, and a good location with quality local amenities and attractions.

Boater Survey

In order to solicit feedback directly from the boaters themselves, a ten question online survey was emailed to 438 boaters, and all seasonal boaters at East Tawas received a paper copy. 222 boaters responded to the survey, for a very good response rate of just over 50%. The survey requested information related to the boater's primary boating activities, type and size of the respondents boat, and their home port and where they live.

Boaters were further asked to rank the factors affecting their selection of a marina or cruising destination, which resulted in the following ranking:

1. Location / Geography
2. Quality of Facilities
3. Amenities
4. Cost
5. Quality / Proximity of Adjacent Activities
6. Staff Hospitality
7. Ship Store

Again, these responses reinforce the potential for increased occupancy at East Tawas, as boaters specifically identified location as the top priority and further identified the City of East Tawas as one of the better destinations on Lake Huron and Saginaw Bay. The remaining elements remain mostly within the control of MDNR and staff within budget constraints.

The final open-ended portion of the survey asked the boaters to identify the most important thing that could be improved at East Tawas State Harbor. By far, receiving more than twice as many comments as any other topic, the biggest challenge for boaters at East Tawas is the location of the bathrooms relative to the slips. At more than 800' from the nearest slip, the current location is very inconvenient for the boaters no matter how nice the restrooms are. Next on the list included improvement of the facilities across the board, in particular electrical utilities, Wi-Fi, new floating docks, cleanliness, repairs and upgrades of the worn out facilities.

Following the condition of the facilities, the next major issue identified was the atmosphere of the facility and special rules in place necessitated by the public piers. The layout of the existing facility is oriented around the main public piers, which means all dock areas are essentially completely open to boaters and non-boaters alike. Over the years, the response to behavior problems related to noise and alcohol on the main piers – often by non-boaters – resulted in more strict rules at East Tawas that negatively impact the boating experience. Current staff have done a good job handling this balancing act, but a better solution would be to separate the boating areas from the main public areas. Finally, respondents indicated that more flexibility and leasing options would likely increase demand.

The final part of the survey and stakeholder outreach process was public meetings with leadership from the City of East Tawas, and a public meeting on site. Meetings with City leadership identified strong support for improving the connections between the City and the marina, with a special focus on improving pedestrian connections between the waterfront and downtown. Additionally, support for community amenities geared towards boaters included shuttles and loaner bikes sponsored by local businesses were

suggested. Strong support for continued fishing access from the main piers exists, along with support for more public boating programs and Rec 101 style boating classes geared towards introducing non-boaters to boating, sailing, kayaking, and other similar activities.

The public meeting was well attended by 50-60 members of the public. Approximately 25% were from the general public, and 75% were seasonal or transient boaters. The comments received closely paralleled the responses to the boater survey and many attendees recognized the value of the facility to the City. Furthermore, many attendees recognized the local MDNR staff for their efforts in maintaining the waterfront and for their support of local programs.

Key Strategies Identified

The analysis of the information gathered through the boater survey and marina market analysis was reviewed and discussed with a number of harbormasters from East Tawas and other MDNR Harbors in the region, and the following key strategies were identified to make the most of the opportunities at East Tawas State Harbor. These strategies included:

- Move the docks closer to shore to improve the relationship of the slips to the landside amenities and bathroom facilities
- Separate the slips and boater areas from the main public piers
- Create more amenities out on the docks and near the shoreline where the docks meet the land
- Create boater gathering areas on the docks
- Foster a more collaborative relationship with the City of East Tawas and local businesses
- Pursue a phased implementation based on existing demand and expand in future phases as demand increases.

Future Development Recommendations

The goal of the second phase of this study is to translate the information gathered through the condition assessment, market analysis, and boater survey into conceptual improvement plans that address the issues identified and chart a phased, achievable path forward.

BUDGET INFORMATION - Construction Programs

NOTE: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case, you will be notified.

COST CLASSIFICATION	a. Total Cost	b. Costs Not Allowable for Participation	c. Total Allowable Costs (Columns a-b)
1. Administrative and legal expenses	\$ -	\$ -	\$ -
2. Land, structures, right-of-way, appraisals, etc.	\$ -	\$ -	\$ -
3. Relocation expenses and payments	\$ -	\$ -	\$ -
4. Architectural and engineering fees	\$ 170,000.00	\$ -	\$ 170,000.00
5. Other architectural and engineering fees	\$ 50,000.00	\$ -	\$ 50,000.00
6. Project inspection fees	\$ 128,000.00	\$ -	\$ 128,000.00
7. Site work	\$ 100,000.00	\$ -	\$ 100,000.00
8. Demolition and removal	\$ 150,000.00	\$ -	\$ 150,000.00
9. Construction	\$ 1,602,000.00	\$ -	\$ 1,602,000.00
10. Equipment	\$ -	\$ -	\$ -
11. Miscellaneous	\$ -	\$ -	\$ -
12. SUBTOTAL (sum of lines 1-11)	\$ 2,200,000.00	\$ -	\$ 2,200,000.00
13. Contingencies	\$ -	\$ -	\$ -
14. SUBTOTAL	\$ 2,200,000.00	\$ -	\$ 2,200,000.00
15. Project (program) income	\$ 50,000.00	\$ -	\$ 50,000.00
16. TOTAL PROJECT COSTS	\$ 2,250,000.00	\$ -	\$ 2,250,000.00
FEDERAL FUNDING			
17. Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share.) Enter the resulting Federal share.	Enter eligible costs from line 16c Multiply X <u>58</u> %		\$ 1,305,000.00