

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="10/21/2013"/>	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"/>
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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"/>
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d. Address:

* Street1:	<input type="text" value="530 W. Allegan"/>
Street2:	<input type="text"/>
* City:	<input type="text" value="Lansing"/>
County:	<input type="text"/>
* State:	<input type="text" value="MI: Michigan"/>
Province:	<input type="text"/>
* Country:	<input type="text" value="USA: UNITED STATES"/>
* Zip / Postal Code:	<input type="text" value="48933-1521"/>

e. Organizational Unit:

Department Name: <input type="text" value="Natural Resources"/>	Division Name: <input type="text" value="Parks and Recreation"/>
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f. Name and contact information of person to be contacted on matters involving this application:

Prefix: <input type="text"/>	* First Name: <input type="text" value="Bill"/>
Middle Name: <input type="text"/>	
* Last Name: <input type="text" value="Boik"/>	
Suffix: <input type="text"/>	

Title:

Organizational Affiliation:

* Telephone Number: <input type="text" value="517-335-4828"/>	Fax Number: <input type="text"/>
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* Email:

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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.):

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

Harbor Shores Transient Marina (St. Joseph, MI)

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

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16. Congressional Districts Of:

* a. Applicant

* b. Program/Project

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

17. Proposed Project:

* a. Start Date:

* b. End Date:

18. Estimated Funding (\$):

* a. Federal	<input type="text" value="699,500.00"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="701,578.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="1,401,078.00"/>

*** 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:

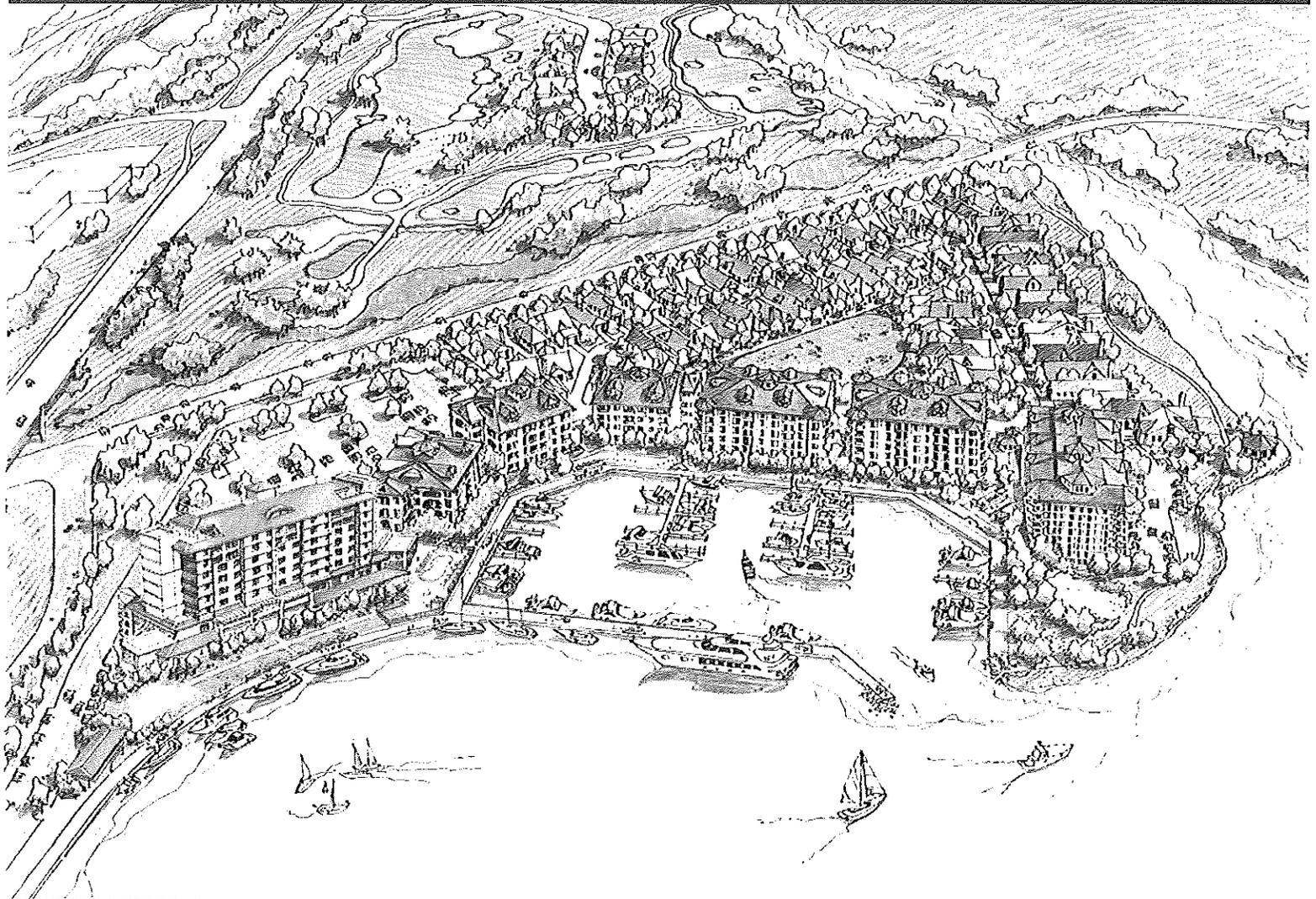
* Signature of Authorized Representative: * Date Signed:

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*** 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.

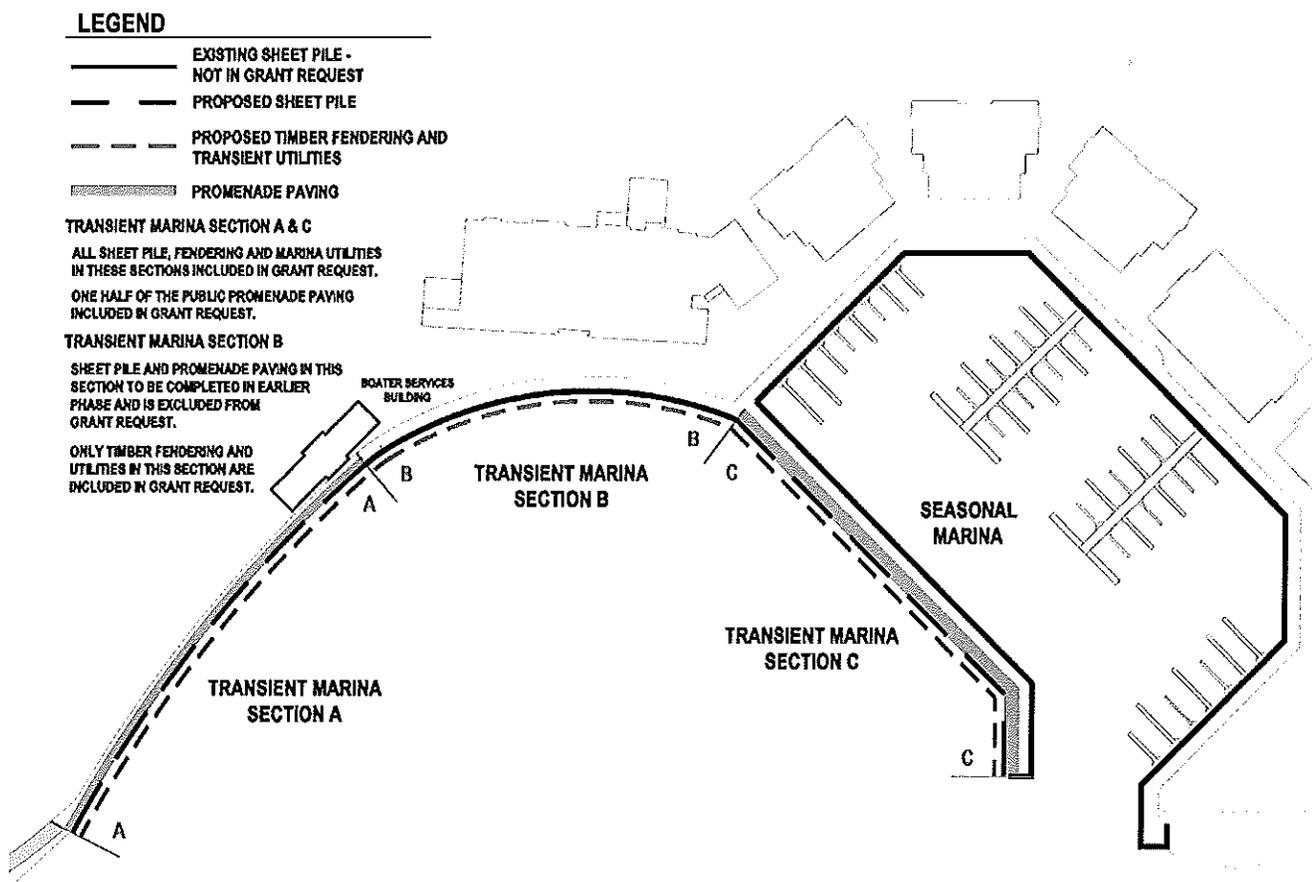


Application for Boating Infrastructure Grant Program, Tier 2

Harbor Shores Transient Marina
October, 2013

Project Statement

The proposed Harbor Shores Transient Marina will serve as the waterfront boating gateway to the Harbor Shores project in Saint Joseph and Benton Harbor, Michigan. The work to be funded by this grant request will include approximately 700lf of sheet pile and pedestrian promenade, the transient portion of the boater services building, and approximately 1,000lf of transient marina fendering and utilities. The proposed transient marina project will complement the work already completed or now under way, including 300lf of sheet pile and promenade site infrastructure.



The Harbor Shores project, supported largely by Whirlpool Corporation through the local Economic Development Corporation Cornerstone Alliance, has transformed more than 530 acres of blighted, contaminated industrial waterfront into the Harbor Shores community along the shores of the Saint Joseph River and Lake Michigan. Over 3,000,000 square feet of industrial buildings have been removed to allow recreational development, including housing, hotel, and marina components. The heart of the project is the Harbor Shores Golf Course, a public Jack Nicklaus Signature course that is home to the 2012, 2014, 2016, and 2018 Senior PGA Championship golf tournaments.

If funded, the development of the transient marina will meet the needs identified by area boaters and yacht clubs for increased tourism by transient boaters. Additionally, the new transient slips will provide a venue for large regional sailing regattas that are currently very difficult to accommodate in St. Joseph due to the lack of transient slips available in existing private marinas and the safety of those currently available. Finally, the location of the proposed transient marina is convenient to Lake Michigan, while in a sheltered location that provides protection from high waves and surge conditions.

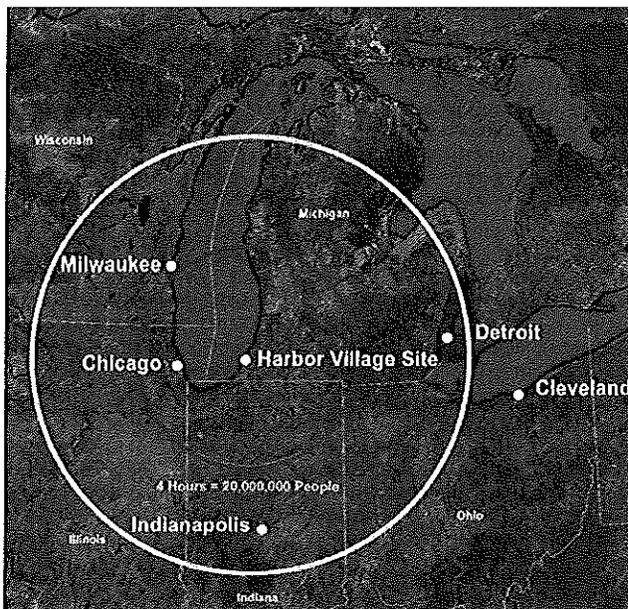
The Mission of Harbor Shores is:

- To continue the economic, environmental and social/cultural transformation that is already underway in the community.
- To be an economic enabler for community revitalization.
- To operate as a non-profit entity whereby funds raised by the Harbor Shores Community Redevelopment, Inc. will be reinvested in all of our communities.



For several years, the partners in Harbor Shores have been helping the Benton Harbor/Saint Joseph area on a path to revitalization. With a focus on diversity with inclusion and a true grassroots initiative involving over 3,500 citizens, a wide array of projects have been completed. Whether it is the Harbor Village project, HOPE VI, Harbor Habitat for Humanity's Jimmy Carter Work Project, or programs like Bridges to Digital Excellence, the Boys and Girls Club and others, lives are being changed. However, much work remains to be done in order to create a world-class community, and that is how Harbor Shores fits into this long-range community transformation effort. Many of the community organizations responsible for these programs, projects and activities have partnered together to initiate Harbor Shores, a development that builds upon many past projects while creating additional opportunities in which area residents can engage. The very foundation of Harbor Shores is a Community Benefits Plan that defines, directs and memorializes a commitment to bring change for all residents through literacy, workforce development, home ownership, or business assistance.

Harbor Shores is a 530-acre, mixed-use development that spans parts of Benton Harbor, Saint Joseph, and Benton Charter Township. Harbor Shores is a unique opportunity to revitalize the Benton Harbor and Saint Joseph communities and transform the area from a quaint twin city area along Lake Michigan's waterfront to take its place among the most sought-after vacation destinations in the Midwest. Well situated in Michigan's Great Southwest along the shores of Lake Michigan, the Saint Joseph River, and the Paw Paw River, Harbor Shores has a prime location, ideal for second homes and family drive-to vacation destinations. The site is located within a 250-mile radius of a populace of over 20 million; air service to South Bend, Chicago, and Grand Rapids; and the metropolitan markets of Chicago, Detroit, Milwaukee and Indianapolis.



Population within project area

The Harbor Shores partners, including principal involvement with Whirlpool Corporation, have invested over \$200 million to date in clean-up, acquisition, and developing the Harbor Shores property. This includes constructing Whirlpool's new \$85 million corporate center as well as investing \$28 million in the nearby Tech Center. The Riverview Campus corporate center, located 200 yards from the project site, will house 1100 employees on completion. The Tech Center, located 100 yards from the project site, will employ 230 scientists and employees.

Recreational developments will maximize Harbor Shores' location near Lake Michigan by improving upon public amenities, such as Jean Klock Park. The project area is surrounded by the Paw Paw and Saint Joseph Rivers, increasing opportunity for fishing and boating. In 2008, Money Magazine named Saint Joseph one of the best places to retire in the country, listed as one of six "terrific towns by the water." Silver Beach in Saint Joseph has been voted one of the top ten beaches to visit by Parents Magazine. In 2005, Benton Harbor was ranked the 18th best city in the nation to live and golf by Golf Digest. The ranking was out of 330 cities and based on four factors: access to golf, quality of the courses, value, and weather conditions. A Jack Nicklaus Signature Design golf course will continue to foster the area's reputation as a top location for golf and help build awareness of the area as a more recognized golf and resort destination.

STATEMENT OF PROJECT NEED

The Saint Joseph River Harbor is home to approximately 1,400 slips, only ten of which are dedicated transient guest slips. These slips, located at West Basin Municipal Marina, are well used, but unfortunately the location of West Basin Marina is not very convenient to either downtown Saint Joseph or Benton Harbor, or other amenities and attractions in the community. The proposed Harbor Shores Transient Marina is a quarter-mile walk to downtown Saint Joseph, downtown Benton Harbor, the Harbor Shores Golf Course, and all the regional attractions available there. Additionally, it is directly connected to the Inn at Harbor Shores, which is a destination hotel with spa and boater services available. While the only dining opportunity near West Basin Municipal Marina is a private yacht club generally unavailable to the transient boaters, the proposed Harbor Shores facility will be only steps away from two of the community's best restaurants and the only public restaurants in the harbor directly accessible by boat. Finally, while reaching Harbor Shores Golf Club – the region's most popular attraction – from West Basin Marina requires a shuttle service, boaters visiting the Harbor Shores Transient Marina will be able to pick up their golf cart at the Inn at Harbor Village and directly access the golf course from their transient slip.

The only other facility providing transient mooring opportunities is known as the Arboretum Wall, along the south wall of the Saint Joseph River. This temporary transient area is not actively monitored, and provides no supervision, amenities, utilities, or boater facilities, and is usable only during calm weather conditions. In fact, in 2010, severe weather conditions rendered the Arboretum Wall unusable during the annual Tri-State Regatta event, requiring the cancellation of the Saint Joseph activities. This cancellation could have been avoided if another transient facility such as the proposed Harbor Shores facility had been available, and the hundreds of boats and sailors would have arrived safely in port to enjoy the weekend, with no loss of associated economic impacts to the community.

Of the 1,383 slips in the harbor, only 144 of them are located closer to Lake Michigan than our proposed location. The remainder of the slips are located upstream of the Federal Navigation channel either in the Morrison Channel or upstream of the Bicentennial Bridge. Both of these locations are notorious for having significant issues

at low water, and no permanent solution for maintaining navigable depths has ever been established. Transient boaters are much more sensitive to navigability issues because they are less familiar with local waters and shoals at their destinations, making guests uncomfortable and reducing demand. The boater services building will provide facilities and educational resources that are highly valued by transient boaters, both from a comfort and safety perspective, as well as enhancing the value of the marina and surrounding community to attract more boaters and increase demand for the facility.

OBJECTIVES TO BE ACCOMPLISHED

The specific objectives of this project include:

- A. Create 33 transient slips for vessels 26' and longer:
 - a. Engineer and construct sheet pile wall and timber fendering.
 - b. Provide dockside utilities for transient boaters including Wi-Fi, electricity, water, and pump-out services.
 - c. Create transient boater access to nearby restaurants, public bicycle/walking trails, and other recreational opportunities.
- B. Create an access point for transient boaters to the City of St. Joseph and its nationally, regionally, and locally significant attractions.
- C. Provide a Boater Services Building with transient boater education and information resources, including boater check-in/payment, showers, restrooms, and laundry.

EXPECTED RESULTS AND BENEFITS

The creation of a new marina at the Harbor Shores site will create new opportunities for transient boaters, respond to demand for transient docking near high quality recreation and dining opportunities, expand recreational opportunities, and generate sustained economic growth for the area. Specific results and benefits anticipated include:

- A. Creation of a new state of the art docking facility accommodating 33 transient recreational non-trailerable boats over 26' in length that will be serviced by the staff of the adjacent Harbor Village Seasonal Marina and the Inn at Harbor Village, providing a level of service unavailable at any other transient harbor south of Bay Harbor.
- B. The marina and surrounding promenade will be a critical segment of the public trail, completing the connection between the St. Joseph River waterfront and the City of St. Joseph, the City of Benton Harbor and the Harbor Shores development. Transient boaters will be able to directly access many of the region's best natural and cultural attractions by bicycle or on foot on a promenade located immediately adjacent to their transient slip.
- C. Stimulate a stronger economy in the City and the region: the transient slips will pave the way for a direct economic benefit of \$600,000 and over \$1 million including indirect (secondary) effects based upon revenues generated by transient boaters.
- D. The development of the marina and transient slips will create the opportunity to meet the needs identified by area boaters and yacht clubs for boater oriented regional events such as regattas. The new marina and transient slips will provide a venue for

large regional sailing regattas that are currently very difficult to accommodate in St. Joseph due to the lack of transient slips available in existing private marinas and the safety of those currently available.

APPROACH

Specific Procedures

In the effort to improve transient boating opportunities on the St. Joseph River and Lake Michigan and create a transient marina accommodating boaters on cruising routes and near significant destinations, the City of St. Joseph is submitting this application for financial assistance from the Tier 2 Boating Infrastructure Grant program. Preliminary design work, investigations, permit applications and reports have all been completed to date. Several permits have been approved at the time of the proposal submittal with construction slated to begin in early 2014. In order to complete the project the following steps are complete or underway:

Economic Impact Analysis

The project team has completed extensive engineering and economic analyses of the Harbor Shores Transient Marina project, including completion of a May 2012 Marina Market Analysis, Engineering Feasibility Study and Marina Economic Impact Analysis. The report indicates a positive direct and indirect economic impact of 15 jobs and over \$1 million in total sales. The transient marina reinforces development of landside activities and is an integral part of the Harbor's ambiance that attracts tens of thousands of visitors each year.

Marina Engineering Report and Feasibility Study

The Marina Feasibility Study, completed as an integral part of the Harbor Village development, concluded that the Harbor Village site has excellent potential for mixed use marina and waterfront development containing housing and commercial opportunities.

Permits

The project team at Edgewater Resources has completed the preparation of necessary permits and environmental assessment to be submitted to the appropriate local, state and federal agencies. The project team has been meeting with many of these agencies. The environmental assessment has been reviewed and approved by the Michigan Economic Development Corporation (MEDC). The Soil Erosion and Sedimentation Control permit has been acquired as well as the construction NPDES. The City of St. Joseph is reviewing the water and sanitary sewer applications, submitted in March 2013. The MDEQ/USACE permit process is complete, with permits from MDEQ and USACE received in June and August of 2013 respectively.

Preliminary Engineering Design

Preliminary engineering design is complete, including design and layout of the site plan, docks, promenade, seat wall, and marina utilities. Design for the project to date also includes costs estimates, which along with final design will be detailed further as the project moves forward. Design solutions have been developed to eliminate or mitigate adverse impacts to water quality and other natural and significant features in the area.

Various agencies involved in the preparation of the Environmental Assessment completed in February 2013 for the City of St. Joseph Harbor Village at Harbor Shores Improvement project, of which the marina was a part, were contacted as part of this effort, including:

- Michigan Department of Environmental Quality
- City of St. Joseph – Public Safety and Public Works
- Army Corp of Engineering
- Southwest Michigan Regional Airport
- State Historic Preservation Organization (SHPO)
- Michigan Department of Transportation
- Coastal Zone Management
- Michigan Department of Natural Resources – Endangered Species and Wild and Scenic Rivers
- Environmental Protection Agency
- St. Joseph Public School System
- Lakeland Regional Hospital
- Michigan Works
- Berrien Bus and Dial-A-Ride
- Benton Harbor/St. Joseph Waste Water Treatment Plant

These agencies were contacted regarding each of their specialties ranging from endangered species to historic structures, and all reported that there would be no significant impact to any natural or historic resources as well as any municipal or regional resources.

An environmental assessment (EA) in support of the preliminary design has been drafted in accordance with the State of Michigan laws and regulations. The assessment was approved by MEDC in February 2013.

Meetings

Numerous meeting were held with the City of St Joseph as well as various key stakeholder groups during 2012 and 2013. All entities expressed their excitement and support for the project. The City is very anxious to diversify the assets their community can offer to local citizens, businesses and the regional area. The City has also held multiple public meetings with the neighbors and community leaders who have

expressed support for the project and stated that there is a significant need to redevelop and improve the site both economically and aesthetically.

Final Engineering Design

Final design of the project is nearly complete and will include comprehensive engineering, architecture, and site design solutions necessary for the completion of the project. This will include final layout of site amenities, pedestrian and vehicular circulation, utilities, and specific detailing of all elements. Specifications outlining materials, procedures, products, and requirements for project execution of all project elements are being prepared, along with final cost estimates.

Funding

Funding for the project will come primarily from Harbor Village, Harbor Shores, B & Z Construction Company, and hopefully BIG Grant funding.

Construction of Transient Marina Facilities

The BIG program funding would assist in the installation of marina facilities which include:

- Broadside Docks accommodating boats 26' and longer and amenities such as:
 - Water and electric utilities
 - Wi-Fi
 - Lighted walkway and seatwall
 - Sheet pile and timber fendering
 - Boater Services Building

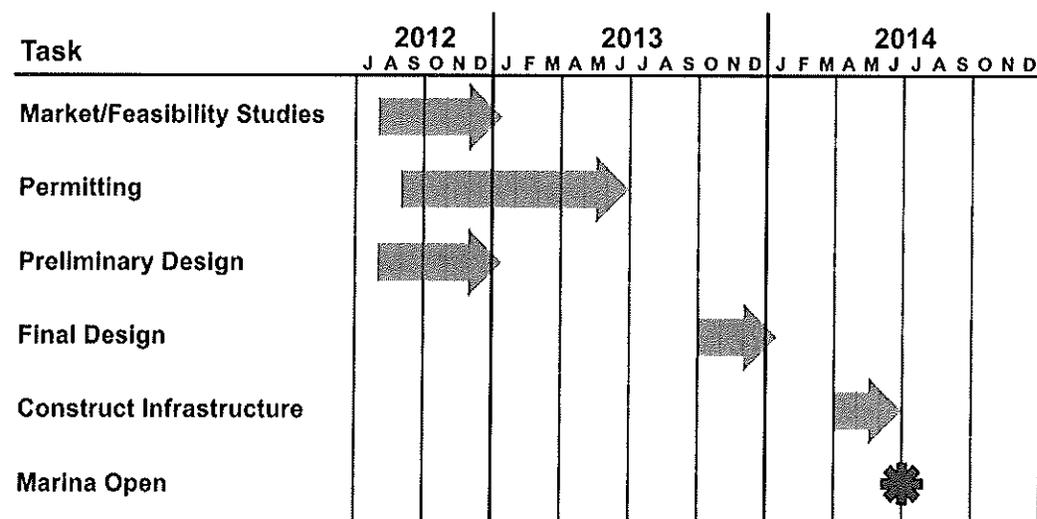
Construction of the project is slated to begin in spring or summer of 2014. This will include the installation of the sheet pile wall and promenade, as well as all necessary dock utilities and lighting. Docks will be constructed to accommodate boats ranging in size from 26 ft to 100 ft long, and the facilities will comply with ADA standards. The work will be complete in the summer or fall of 2014.

Marketing

The City of St. Joseph will advertise its new transient marina to boaters through regional publications such as *Great Lakes Boating*, local and regional marinas and tourism outlets, and on the internet. As part of Harbor Shores, the Harbor Shores Transient Marina will benefit from its successful multi-million dollar marketing campaign as well as the hugely effective *Pure Michigan* national campaign.

PROJECT SCHEDULE

1. Market, Engineering, and Feasibility Studies - Complete
2. Permitting:
 - a. City of St. Joseph approval granted February 2013
 - b. MEDQ/USACE Permit Initiation Fall 2012; Permit Approval received.
3. Preliminary Design:
 - a. Marina Conceptual Design Process - Complete
 - b. Marina Preliminary Design – Complete
4. Final Design and Construction Documents
 - a. Marina Design, October, 2013 – January, 2014
5. Construction
 - a. April, 2014 – June, 2014
6. Marina Opens June 2014



PROJECT LOCATION

The Harbor Shores Transient Marina site is located near the confluence of the Saint Joseph and Paw Paw Rivers, approximately 1 mile east of Lake Michigan at the mouth of the channel, at GPS Coordinates 42° 06' 51"N, 86° 28' 28"W. The site is bound by U.S. Highway 63 and off ramp to the west, the Harbor Village Development to the north and east, and the St. Joseph River to the south. The site includes approximately 1,000 lineal feet of frontage on the St. Joseph River. Existing structures include on the proposed marina sheet pile and breakwater structure.

The adjacent Harbor Village development is bound by Whitwam Drive to the north and the Paw Paw River to the East. This proposed development includes a boutique hotel, seasonal marina, condominium buildings, parkland, and a cottage neighborhood on the 27.5 acre site. The transient marina project will develop over 1,000' along the St. Joseph River for the transient broadside slips, promenade, landscape features, and the boater services building.

PROJECT BUDGET

Line Item	Total Cost	Transient Slip Eligible Cost	Grant Request	Funding Match
Architectural & Engineering fees ¹	\$320,000	\$120,000	\$60,000	\$60,000
Subtotal	\$320,000	\$120,000	\$60,000	\$60,000
Project Costs				
Transient Wall Sheet Pile & Fendering	\$867,000	\$867,000	\$433,500	\$433,500
Transient Wall Promenade ²	\$83,040	\$41,520	\$20,000	\$21,520
Transient Slip Utilities	\$252,558	\$252,558	\$126,000	\$126,558
Boater Services Building ³	\$320,000	\$120,000	\$60,000	\$60,000
Subtotal	\$1,522,598	\$1,281,078	\$639,500	\$641,578
Total	\$1,842,598	\$1,401,078	\$699,500	\$701,578
Federal Cost per Slip for 33 Transient Slips			\$21,197	
Matching Cost per Slip for 33 Transient Slips				\$21,260
Partner Contributions				
Harbor Shores				\$5,000
B&Z Construction				\$5,000
Harbor Village at Harbor Shores				\$691,578
Project Cost Summary				
Total Project Cost:	\$1,842,598			
Total Transient Slip Eligible Funding:		\$1,401,078		
Project Cost Difference:	\$441,520			
Federal Request (BIG)			\$699,500	
Non-Federal Transient Funding				\$701,578
Total Transient Project Cost		\$1,401,078		

¹ Fees for architecture and engineering for Transient Slips only at 37.5% (33 transient slips of 88 total slips)

² Promenade is located entirely along transient slips, 50% of costs are dedicated to Transient Slips, 50% to regional trail users. No Seasonal slips are served by the transient wall promenade

³ Transient portion of boater services building is 37.5% (33 transient slips of 88 total slips)

**KEY PERSONNEL
COOPERATORS**

John Hodgson
Community Development Director
City of St. Joseph
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Marina Consultant to the City
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RANKING CRITERIA

1. Partnerships: Partners are defined as organizations/agencies/individuals, other than the USFWS and the lead State agency, which bring something of value to the proposal (money, in-kind, etc).

The key partners in the development of the marina are Harbor Shores, B & Z Construction, and Harbor Village at Harbor Shores.

Harbor Shores: Continuing the creative redevelopment of the former brownfield and industrial site now known as the Harbor Shores, The Harbor Shores Transient Marina will offer the primary waterfront access point to the highly successful Harbor Shores community. This 530 acre brownfield redevelopment has served as a major economic catalyst for the three communities it serves. Harbor Shores has committed **\$5,000** toward the engineering and construction of the transient facility.

B & Z Company: In support of the transient marina project, B & Z Company has committed in-kind services valued in excess of **\$5,000** for labor and heavy equipment for the construction of the transient slips and associated utilities and infrastructure.

Harbor Village at Harbor Shores: As the primary developer of the associated seasonal marina, residential and commercial property, Harbor Village at Harbor Shores commits to funding the remaining local match for the Harbor Shores Transient Marina. Harbor Village at Harbor Shores will provide **\$691,578** of the \$1,401,078 total transient marina project eligible cost.

2. Innovativeness: Use innovative techniques to increase the availability of BIG facilities for transient nontrailerable recreational vessels (includes education/information).

The Harbor Shores Transient Marina will incorporate several innovative techniques in the project designed to expand access to boating opportunities by the public, extend the life of the facilities constructed with BIG funds, and minimize impacts to the environment and protect water quality.

- The project is part of the overall Harbor Shores redevelopment, which is one of the largest brownfield clean-up projects in the State of Michigan. This project creatively converts an abandoned industrial site into a welcoming transient marina, with the sheet pile wall structures of the marina actively contributing to improved water quality in the Saint Joseph River. Harbor Shores is restoring beauty to a once pristine area of Lake Michigan's waterfront, and to date, over 117,000 tons of solid waste, 3,000,000 square feet of building debris and concrete have been removed from the site, in addition to 20,000 tons of contaminated soil. The Harbor Village at Harbor Shores development will encapsulate contaminated soils on site under roads and the Harbor Shores

Transient Marina sheet pile wall will contain existing upland contaminated soils and reduce leaching into the river therefore protecting the adjacent water quality. Helping to improve a healthy water system will help encourage more visitors to come enjoy the boating, fishing and other recreational opportunities along the water's edge.

- As part of the innovative redevelopment efforts of the local municipalities, the river front along the Paw Paw River and the St. Joseph River on this site is to remain in the public domain. The transient marina promenade is part of the public waterfront and will help complete the extensive trail systems and access afforded to and from the site.
- The new marina design will incorporate "dark sky" lighting strategies and high efficiency LED lighting systems. These strategies will create a more sustainable marina by minimizing energy demand, while also creating a more cost effective marina by reducing energy costs and maintenance. Additionally, dark sky strategies will minimize glare and light pollution, which benefits boaters, neighbors, and wildlife.
- The proposed boater services building will provide education and information for transient boaters on minimizing the impact of invasive species, clean boating techniques, weather conditions, local history, tourist attractions, and area events and festivals. Information on the highly successful DNR stocking program of the St. Joseph River will be highlighted. The marina web cam will be linked to the DNR website, and marina staff will provide further local knowledge on fishing, boating, and the regional attractions.
- Through innovative design of the marina basin and transient wall, additional breakwall structures are not needed to protect transient boaters from winds, waves, and surge conditions. This design approach significantly reduces costs, maintenance, and infrastructure requirements.

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

The Harbor Shores Transient Marina will be funded by three partners equaling \$701,578, or 50.1% of the \$1,401,078 eligible project cost.

4. Cost Efficiency: Proposals 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 construction of the river wall transient slips will benefit from the limited infrastructure required to provide the docking facilities. The project will utilize approximately 300lf of existing sheet pile wall, and the sheet pile wall and promenade will have a design life of 80-100 years. Only the timber fendering system and minor components will need to be replaced on an as-needed basis, generally every 25-30 years. This approach makes for a highly durable and low maintenance facility, especially when compared to typical dock systems, where the entire fixed or floating dock infrastructure needs to be replaced every 25-30 years at a much higher cost. Cost efficiencies will also be achieved by

sharing facilities and employees with an adjacent and separately funded seasonal marina.

Total Project Cost: \$1,842,598

Total Transient Slip Eligible Funding: \$1,401,078

Project Cost Difference: \$441,520

BIG Federal Request (49.9% of Eligible): \$699,500

Non-Federal Transient Funding (50.1% of Eligible): \$701,578

Federal Cost per Slip for 33 Transient Slips \$21,197

5. Way Point Link or Safe Harbor: 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.

Located on the St. Joseph River near Lake Michigan, the Harbor Shores Transient Marina offers an ideal destination along the many major cruising routes on Lake Michigan. Boaters from the major metropolitan areas of Chicago (9.9 million) Milwaukee (2 million) and Green Bay (300,000), as well as the smaller communities along the coast, enjoy the many destinations on Lake Michigan and beyond. Along the Lake Michigan Circle Cruise, boaters can enjoy spectacular natural areas such as Grand Traverse Bay, Sleeping Bear Dunes and Door County as well as major metropolitan areas. Boaters from Chicago and the popular lakeshore towns of southwest Michigan cruise northward along Michigan's West Coast to the Straits of Mackinac to Lake Huron and through the Sault Saint Marie Locks to the spectacular natural and scenic opportunities of Lake Superior.

Local popular cruising routes bring boaters toward many inviting lakefront towns and two popular State Parks. St. Joseph is the closest harbor to both Grand Mere and Warren Dunes State Parks. Located less than 8 miles south, Grand Mere is a 989 acre park characterized by magnificent sand dunes, deep blowouts and one mile of Lake Michigan shoreline. Three inland lakes lie behind the dunes in the undeveloped natural area. Warren Dunes State Park has three miles of shoreline, beachside amenities, and six miles of hiking trails, modern and rustic campgrounds and is open year-round. It also has a dune formation that rises 260 feet above the lake with spectacular views and 1,952 acres of recreational opportunity. Warren Dunes is less than 13 miles south of St. Joseph.

The Harbor Shores Transient Marina will also provide a safe harbor and additional way point on the Great Loop Cruise Route, which is the continuous waterway that encompasses the eastern portion of North America including the Atlantic and Gulf Intracoastal Waterways, the Great Lakes, the Canadian Heritage Canals, and the inland rivers of America's heartland. It is also known as the Great Circle Route and is considered one of the safest long distance cruising routes in the world.

6. Access to Cultural/Natural Resources: Provide access to recreational, historic, cultural, natural, or scenic opportunities of national, regional, or local significance.

The Harbor Shores Transient Marina is located on the St. Joseph River, across the river from downtown St. Joseph and adjacent to the City of Benton Harbor. Approximately 50,000 people live within ten miles of the site. The population within 100 miles of the site is approximately 9 million; which includes the major portions of the metropolitan areas of Chicago, IL (55 miles to the west), Grand Rapids (75 miles to northeast), Kalamazoo (55 miles east), and South Bend, IN (40 miles south).

Transient boaters will be able to walk or bike to the majority of local sites, including those along the lakefront such as Tiscornia Beach, Jean Klock Park and Silver Beach County Park, the downtown districts of St. Joseph and Benton Harbor, as well as direct access to the Harbor Shores amenities. From Harbor Village or downtown St. Joseph, tours of regional attractions, such as local wine and orchard country, are available. Using the Amtrak station located within walking distance, trains with daily scheduled service to Grand Rapids and Chicago are available. The location of the Harbor Shores Transient Marina offers an extraordinary number of recreational, cultural, scenic and historic opportunities within close walking distance as well as those further afield. Please see map section for more information on attractions and locations.

7. Economic Impact: Provide positive economic impacts to a community.

The project team has completed extensive engineering and economic analyses of the Harbor Shores Transient Marina project, including completion of a May 2012 Marina Market Analysis, Engineering Feasibility Study and Marina Economic Impact Analysis utilizing the economic impact model sponsored by the Association of Marina Industries, Great Lakes Commission, U.S. Coast Guard, and the National Marine Manufacturers Association. The results of this economic model include the following:

Assumptions – The analysis includes 33 total slips of which 90% are estimated to be for powerboats and 10% sailboats. The occupancy for these slips is a five-month period with 50% occupancy during the first and last months (May and September) and 95% occupancy during the peak months of the season (June, July and August).

The model only considers overnight transients. Some of the transient slips will be designated as “hourly rentals” where there will be an actual turnover on a daily basis of several of the slips where users will simply stop at the marina for a few hours, shop and/or dine in the restaurants and leave the marina. In other words, the economic model is conservative because our utilization of the marina will be much higher because of the high demand of people wanting to have short stops to visit Harbor Shores versus being there for 7 to 10 days. Based upon our experience, these values/economic benefits are conservative.

	Sales	Jobs	Value Added
Total Direct Effects	\$ 625,000	10	\$430,000
Indirect (Secondary) Effects	\$ 395,000	5	\$165,000
Total Effects	\$1,002,000	15	\$600,000

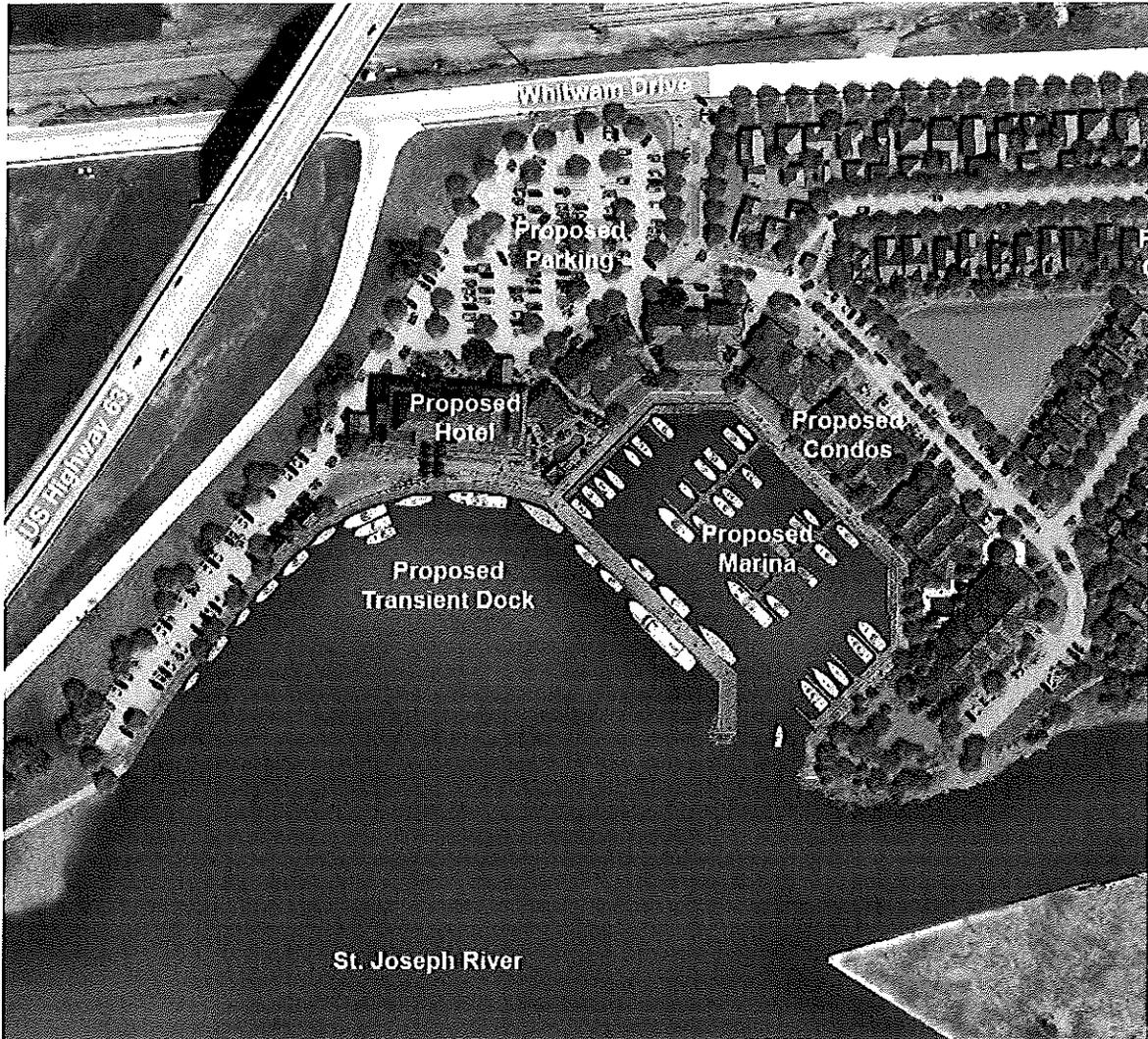
In a larger sense, the total economic impact of the Harbor Shores Transient Marina is essentially incalculable. The transient marina reinforces development of landside activities and is an integral part of the Harbor's ambiance that attracts tens of thousands of visitors each year. The Harbor Village project as part of Harbor Shores, including hotel, condominiums, cottages and marina, will generate 234 direct, 176 indirect, and 77 community jobs for a total of 487 new jobs.

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

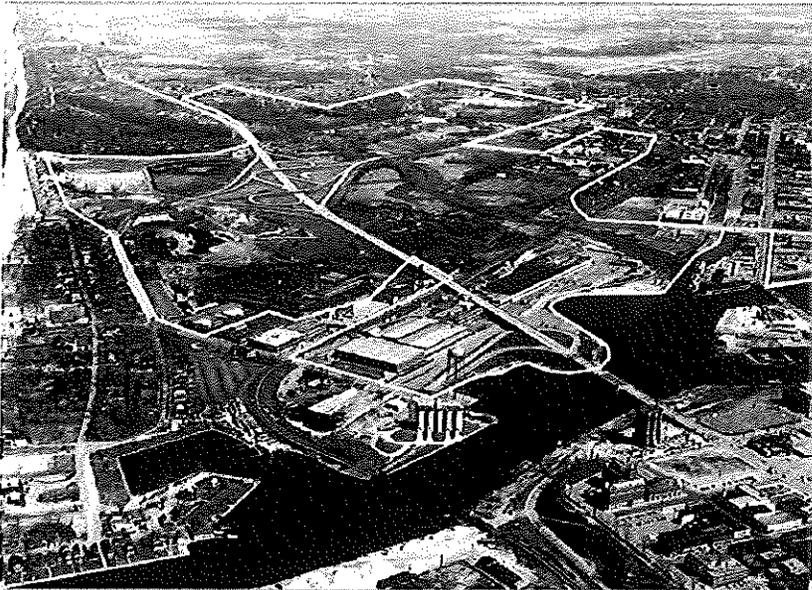
Michigan is member of a Memorandum of Understanding Among the States in the United States Fish and Wildlife Service's Region 3. Michigan, with the States of Iowa, Illinois, Missouri, and Minnesota, works cooperatively to provide continuity of public access by increasing and promoting transient slips and related services for vessels greater than 26' in length. Additionally, member States collaborate on the development and use of innovative measures to encourage environmentally friendly marine construction activities, cooperative outreach implementation mechanisms, and expanded interstate agreements between federal, state, and local governments and others. By their agreement, the State coordinators for the BIG Program and those responsible for maritime activities on the local level for their respective states and/or towns work cooperatively to seek the most cost effective solutions, foster collaborative approaches and commit to the common vision of the BIG Program. The Memorandum of Understanding Among the States in the United States Fish and Wildlife Service's Region 3 is attached to this document.

Harbor Shores Transient Marina - Estimated Criteria Scoring

Criteria	Points Available	Points Earned
Partnerships	15	15
Innovativeness	15	15
Non-Federal Match	15	15
Cost Efficiency	10	9
Way Point Link or Safe Harbor	10	10
Access to Cultural/Natural Resources	15	15
Economic Impact	5	5
Multi-State Coordination	5	5
Total Points	90	89

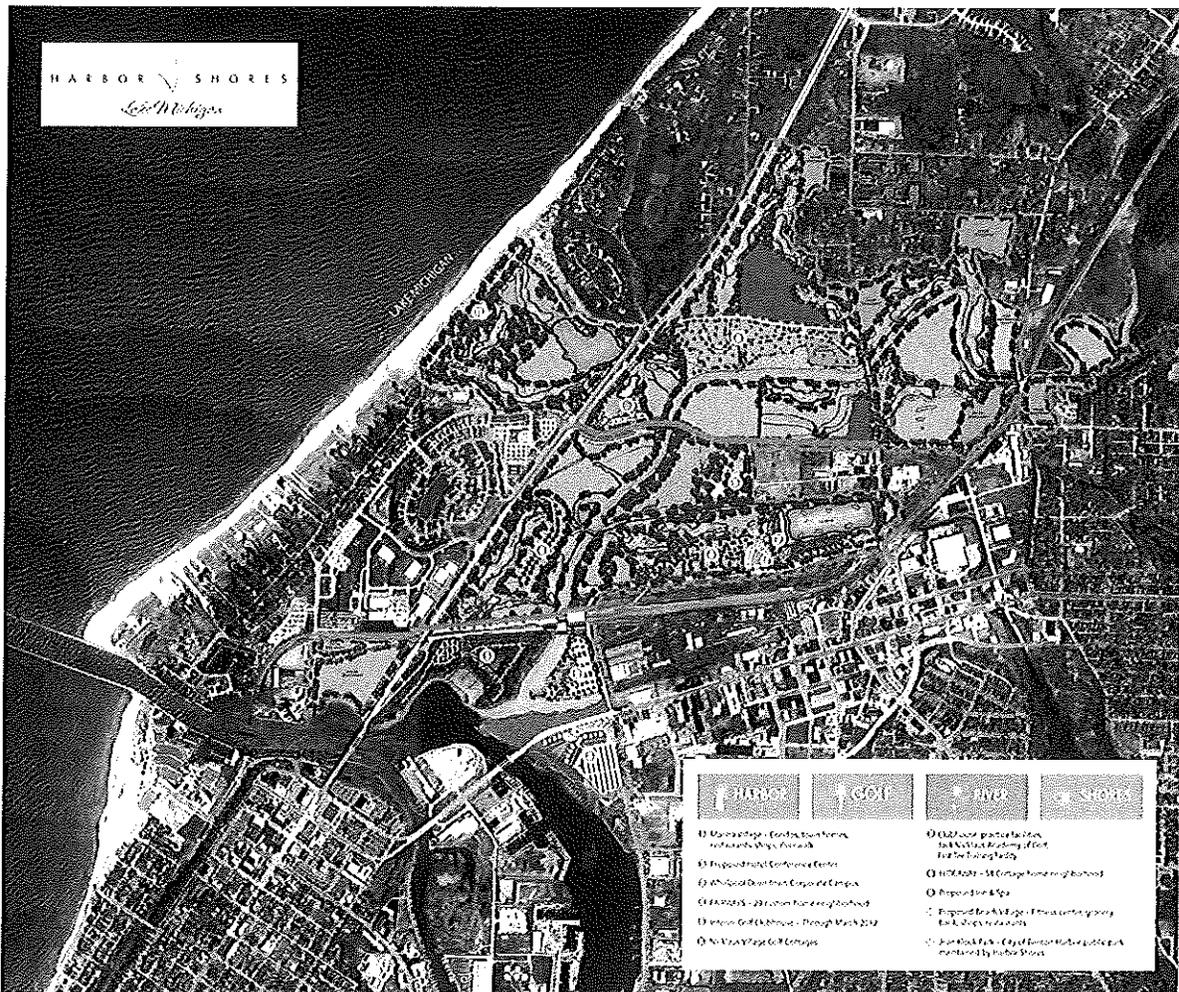


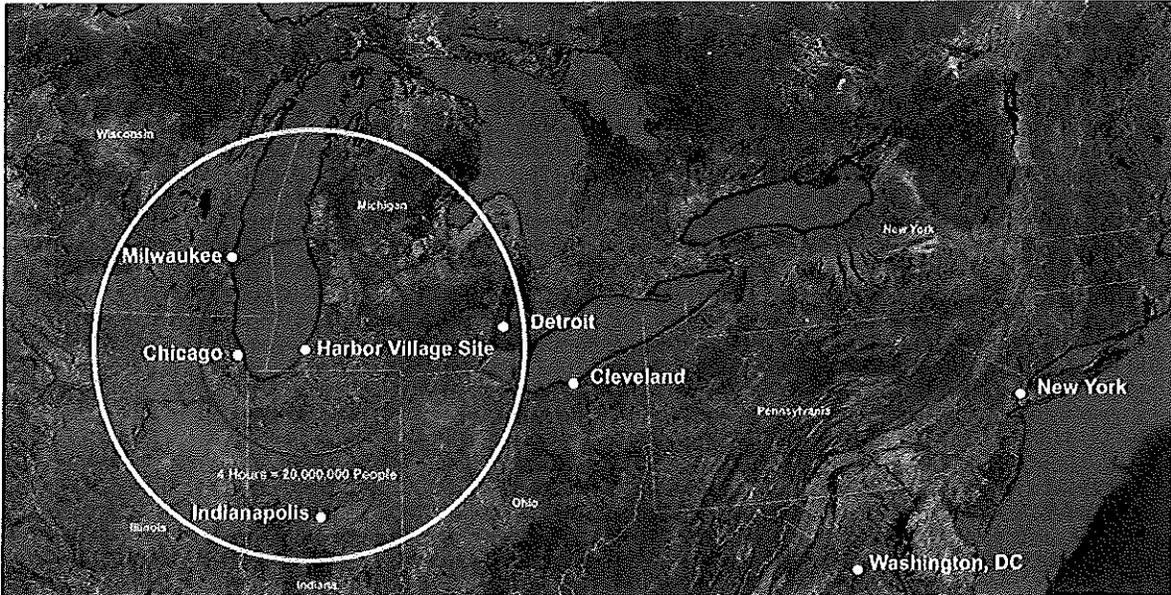
Harbor Shores Transient
Marina Illustrative Plan



Harbor Shores
Redevelopment area
circa 1968.

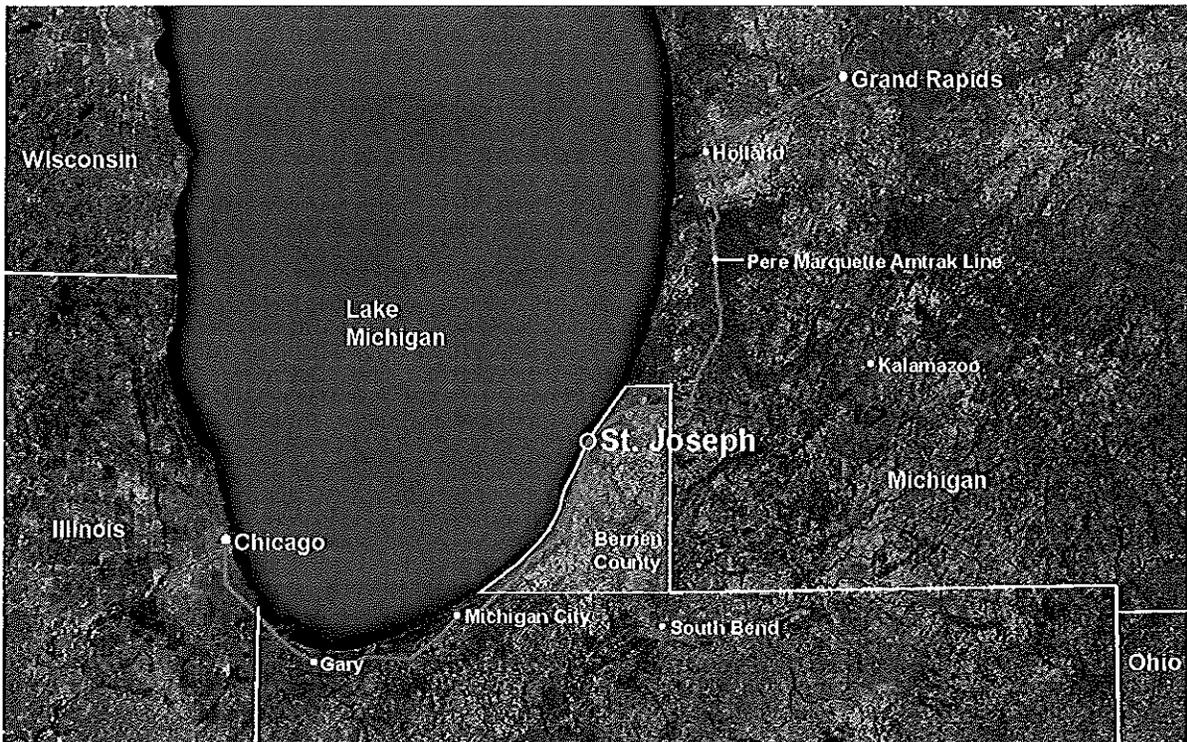
Harbor Shores
Master Plan today.

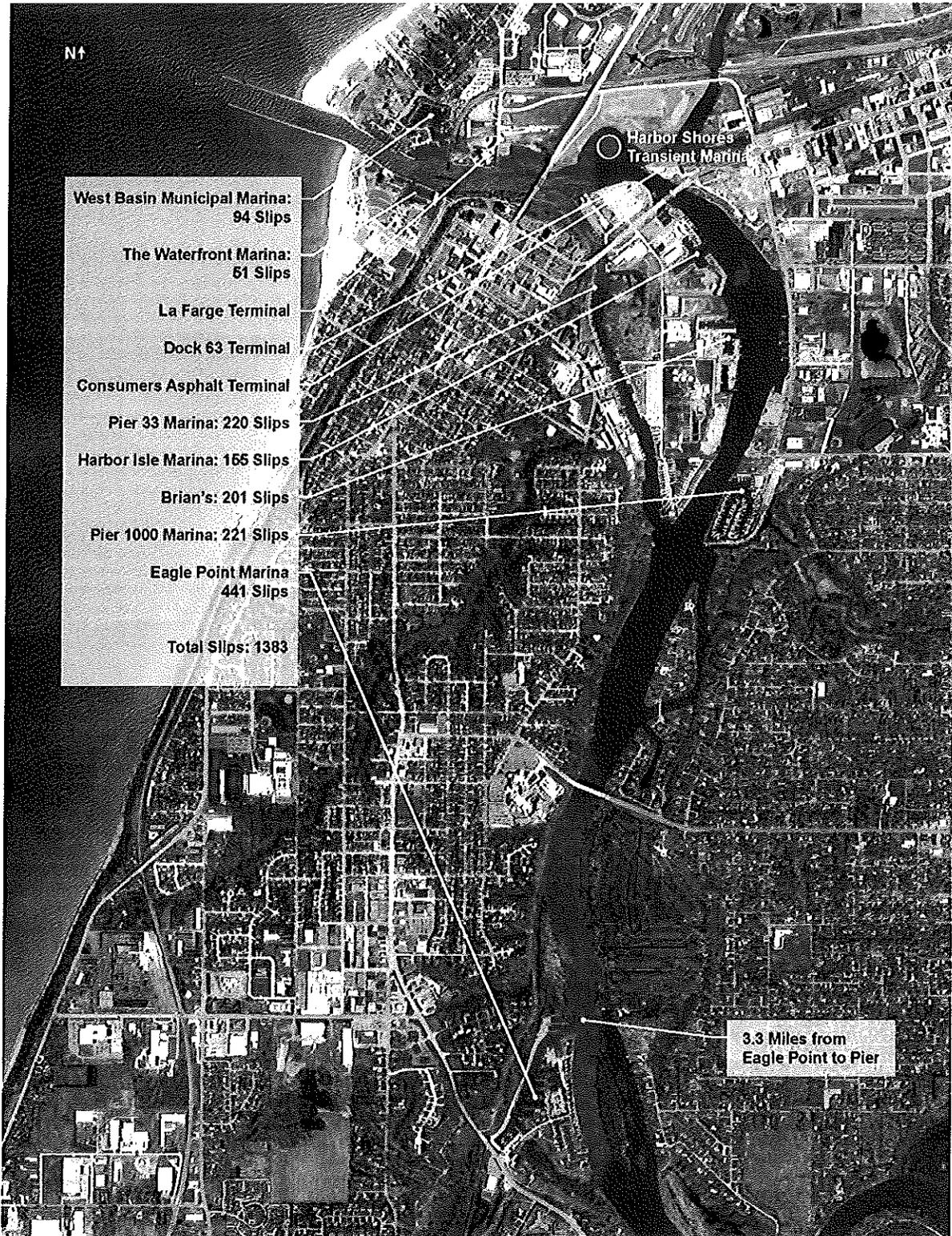




Project site regional context

Project site regional context – train connection from Silver Beach to Chicago and Grand Rapids, MI

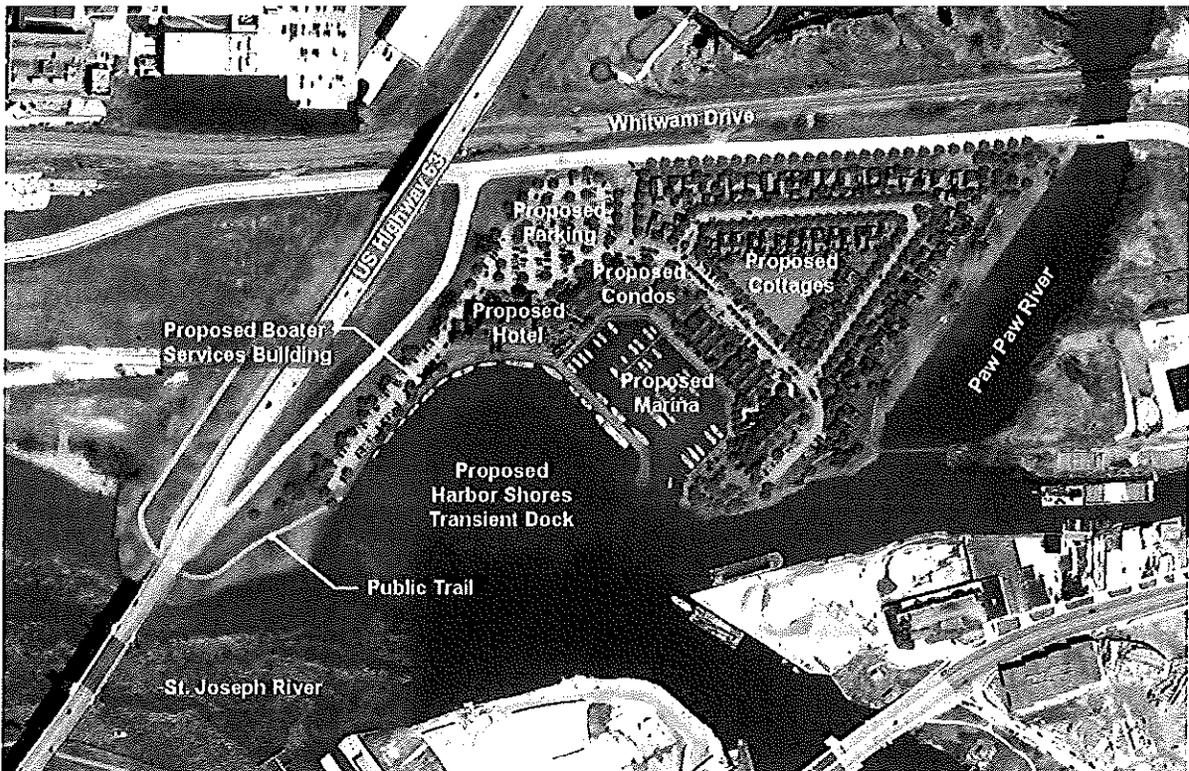




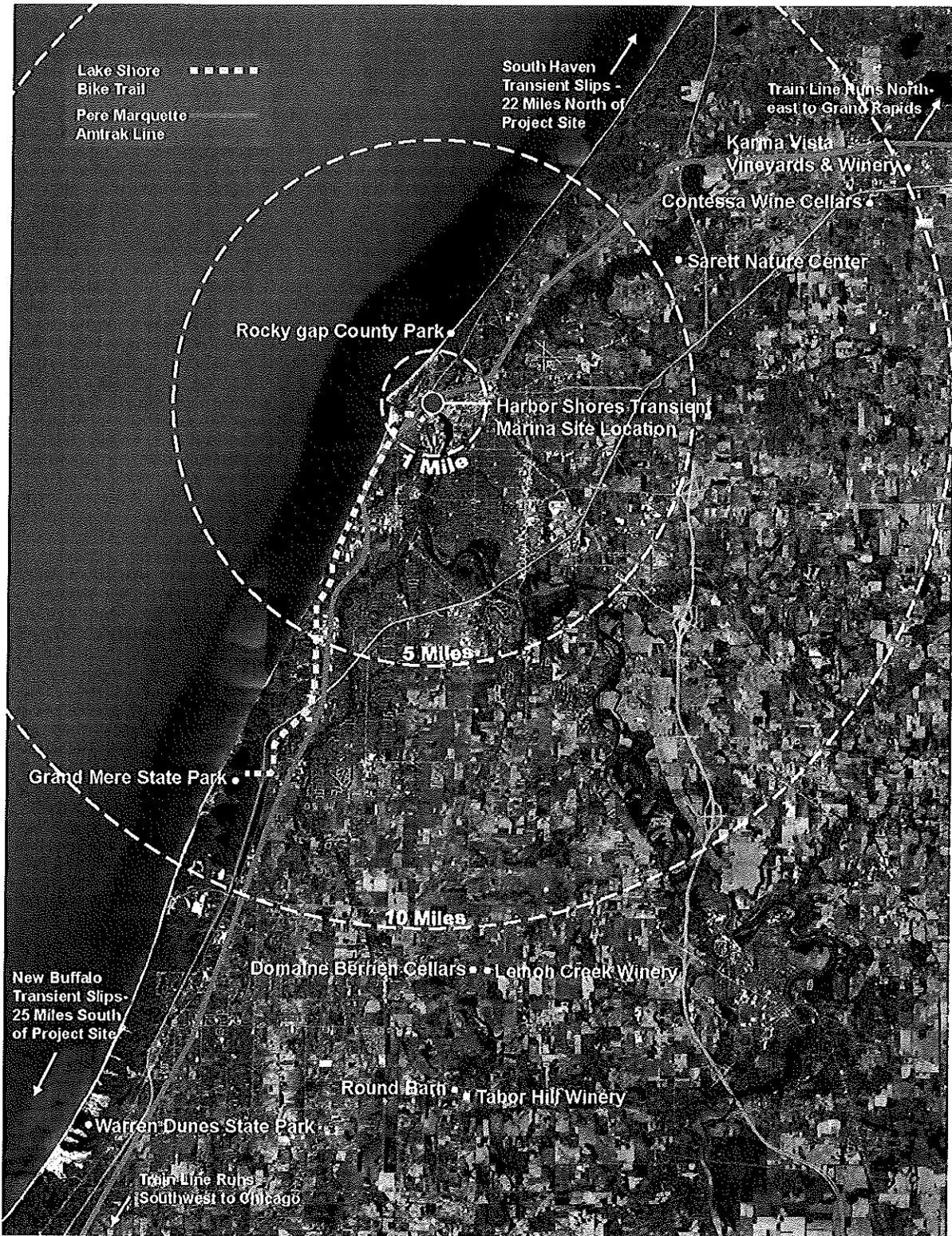
Existing slips in area. Only 10 dedicated transient slips available.



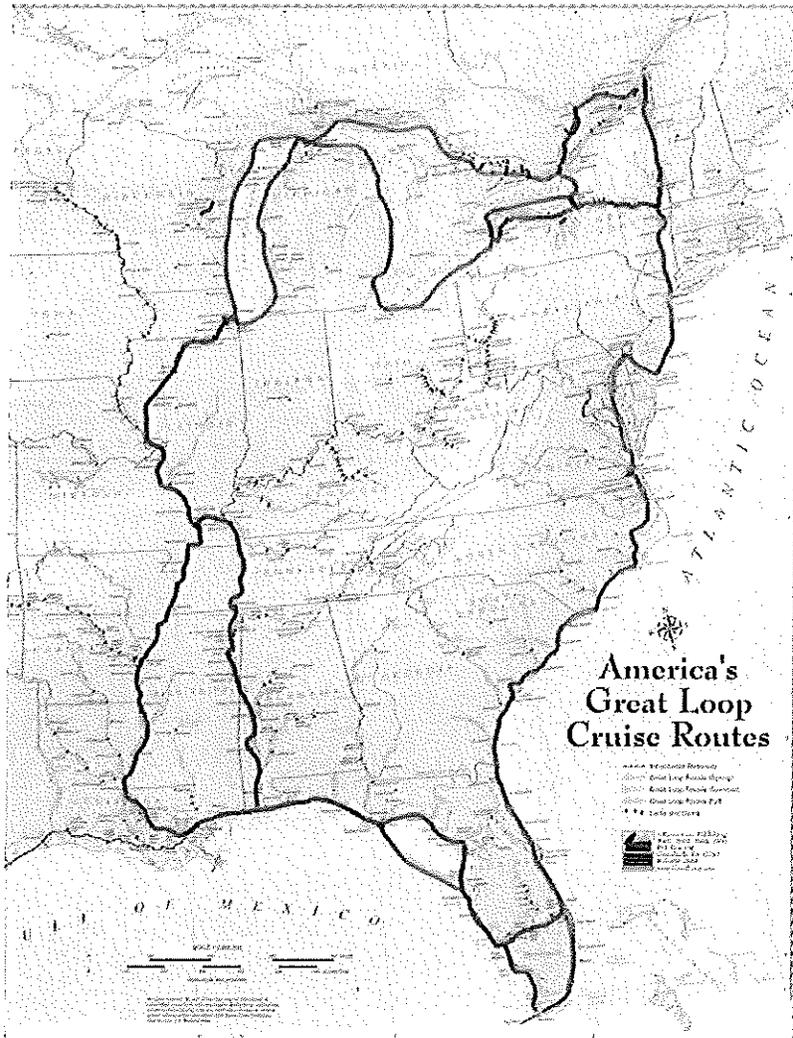
Project site – adjacent to Harbor Shore Golf Course, St. Joseph and Pawpaw Rivers , downtown St. Joseph and less than ¼ miles to Lake Michigan.



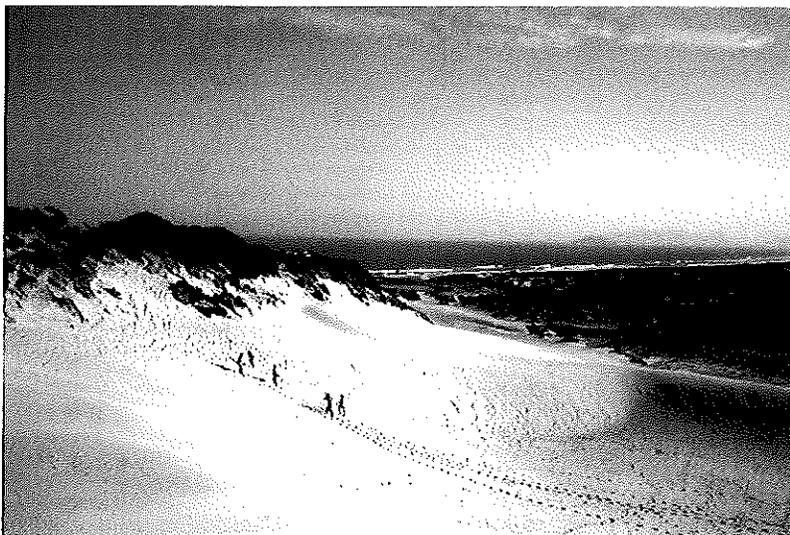
Harbor Village Illustrative Plan including Hotel, Condos, Cottages, Marina, Boater Services Building and Transient Dock.



Regional sites and connections to the project site.

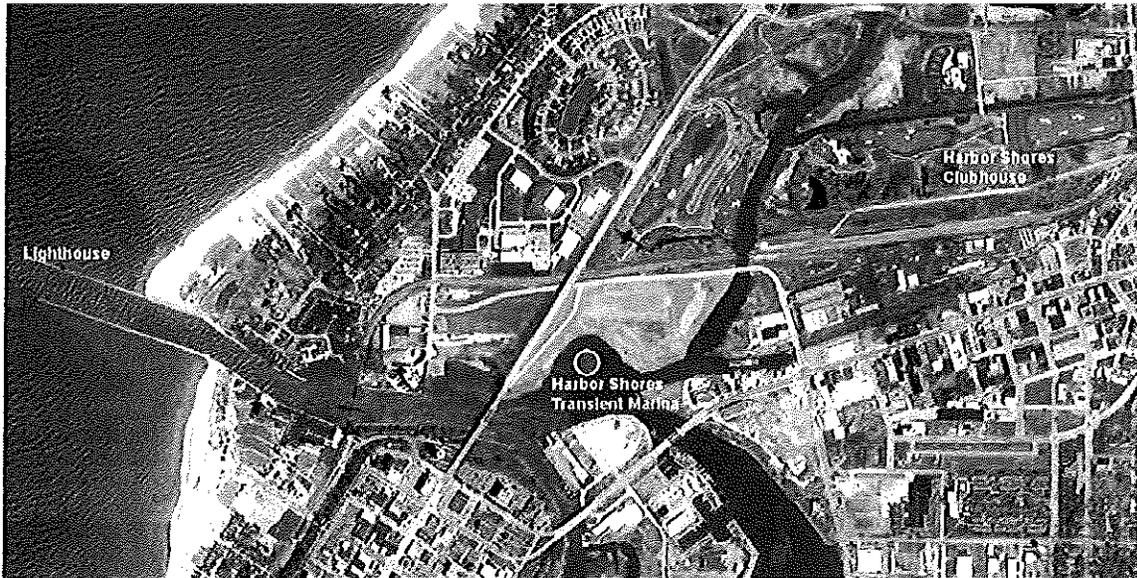


America's Great Loop Cruise Routes – site is directly on cruise route.



St. Joseph is the nearest transient dock opportunity to outstanding natural recreation areas such as Grand Mere and Warren Dunes State Parks.

Nationally Significant Recreation Opportunities



Harbor Shores Golf Course: This 18-hole, daily-fee Jack Nicklaus Signature Golf Course reflects the high standards of the world's leading design firm, Nicklaus Design. It runs over remarkably diverse terrain that challenges golfers even as it offers a spectacular setting in which to play. Three holes offer dramatic views of Lake Michigan. Eleven holes border the Paw Paw River, Ox Creek, and its wetlands. And four holes wind through rolling hills, ravines, and a hardwood forest. The result is a golf course unlike any other. This rare public-access Jack Nicklaus Signature Course is nationally recognized and award winning. Host to the Senior PGA Championships in 2012 and again in 2014, the course brought in 160 golfers, 1,200 volunteers and 15,000 daily spectators during the event in 2012.

St. Joseph Historic Lighthouse & Heritage Museum Cultural Center: Situated across Lake Michigan from Chicago, St. Joseph received its first lighthouse in 1832, just months after the first lighthouse on Lake Michigan commenced operation at Chicago. A Lighthouse Depot for the ninth district of the United States Lighthouse Service was built alongside the river in 1893, and now houses the Saint Joseph River Yacht Club. The fourth-order Fresnel lens was removed from the inner light in 2012 and taken to the Heritage Museum Cultural Center in St. Joseph, where it will be restored. The fifth-order lens used in the outer light had been removed in 2005 and was already on display at the museum. The 1908 keepers' duplex still stands near the end of the north pier. The piers at St. Joseph and Grand Haven are the only ones on the Great Lakes that retain their range lights and catwalks.

St. Joseph River Trout and Salmon Fishery: The St. Joseph River is a dynamic fishery and one of the heaviest stocked steelhead rivers in the world. The river is well known for its steelhead, giant coho salmon, walleye, smallmouth bass, panfish and pike. A unique and long running stocking and management program with the Michigan DNR, Indiana DNR and the United States Fish and Wildlife Service stock over 1 million fish into the system and manage over 63 miles of river. The St. Joseph is considered the finest steelhead fishery in Michigan and one of the best summer steelhead fisheries in the country.

Regionally Significant Recreational Opportunities

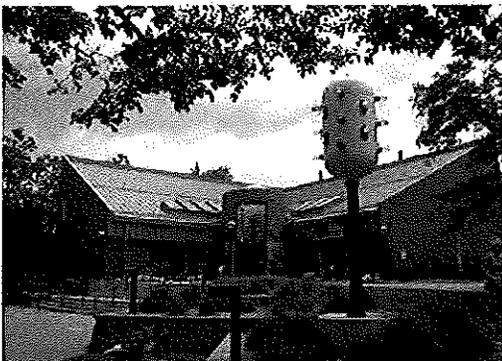
Silver Beach County Park: Silver Beach County Park is located within a 15 minute walk from the Harbor Shores Transient Marina via the historic draw bridge and the riverside arboretum and sculpture park. This county park offers wide sandy beaches, playgrounds, a half-mile barrier free walkway, volleyball courts, bathing houses, concessions, picnic shelters, pier fishing and the Shadowland Amphitheater. Many community events take place at the park throughout the season. Silver Beach was named one of the top ten family beaches in the U.S. by Parents Magazine.

Silver Beach Center: Located near Silver Beach, the Amtrak train station and just below the bluff from downtown St. Joseph, the Silver Beach Center houses several attractions. The Discovery Zone is a children's museum featuring water play, a climbing wall, and touring exhibits. Hosting many community and private events throughout the year is the Shadowland Ballroom. The free Silver Beach Amusement Park Museum hosts interactive exhibits about the historic park located on the site from 1891-1971. Cotton candy, games and exhibits surround the Silver Beach Carousel housed in a spectacular portion of the building. Just outside the Silver Beach Center is the Whirlpool Compass Fountain. This 200' diameter, interactive splash fountain is a popular summertime attraction.

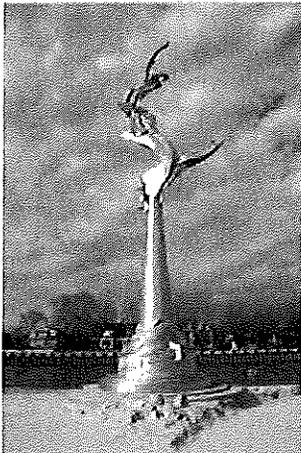
Krasl Art Center: Located in downtown St. Joseph, the Krasl Art Center houses regionally significant art and exhibits, and sponsors many community events throughout the year. Running for over 50 years, the Krasl Art Fair on the Bluff is nationally ranked and draws over 70,000 visitors annually to downtown St. Joseph.

Tri-State Regatta/St. Joseph River Yacht Club: Originally the Triangular Race, the Tri-State Regatta has been run each summer since 1940. The fleet starts from the Chicago Yacht Club Friday evening before Labor Day, and races to the St. Joseph River Yacht Club. The next leg leaves Sunday for the Michigan City Yacht Club, and then returns to Chicago on Monday to the Jackson Park Yacht Club. More than 140 boats and 700 crew members are involved in this annual regatta. Many public events at St. Joseph River Yacht Club and downtown St. Joseph celebrate the sailors, the boats and the ceremonial closing of the season.

Lake Michigan Shore Wine Country: Called "The Napa Valley of the Midwest" the Lake Michigan Shore Wine Country offers many fine wineries, tasting rooms and restaurants. Tours of the area are easily booked from St. Joseph for tasting tours or for one of the many festivals and special events throughout the season.



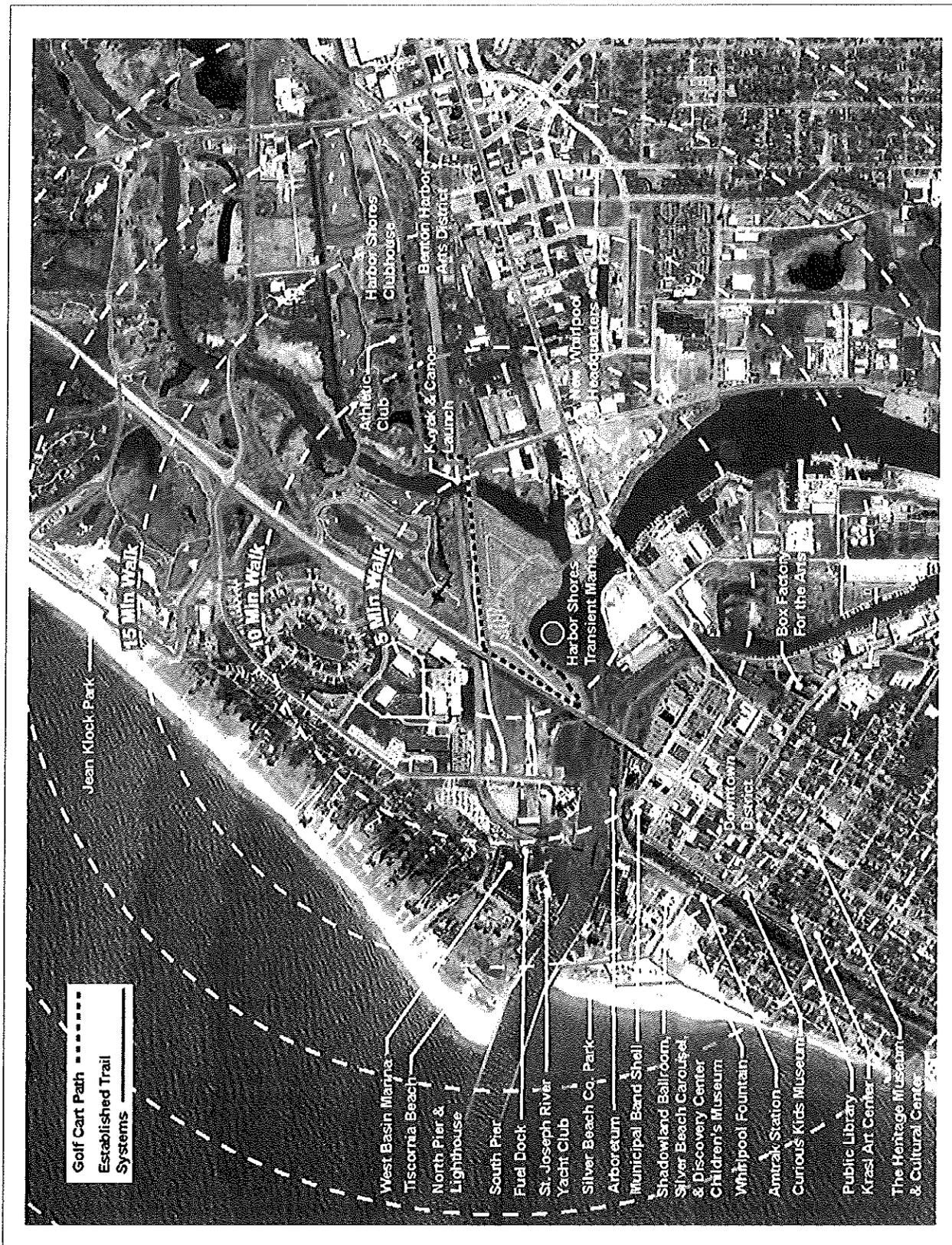
Locally Significant Recreational Opportunities

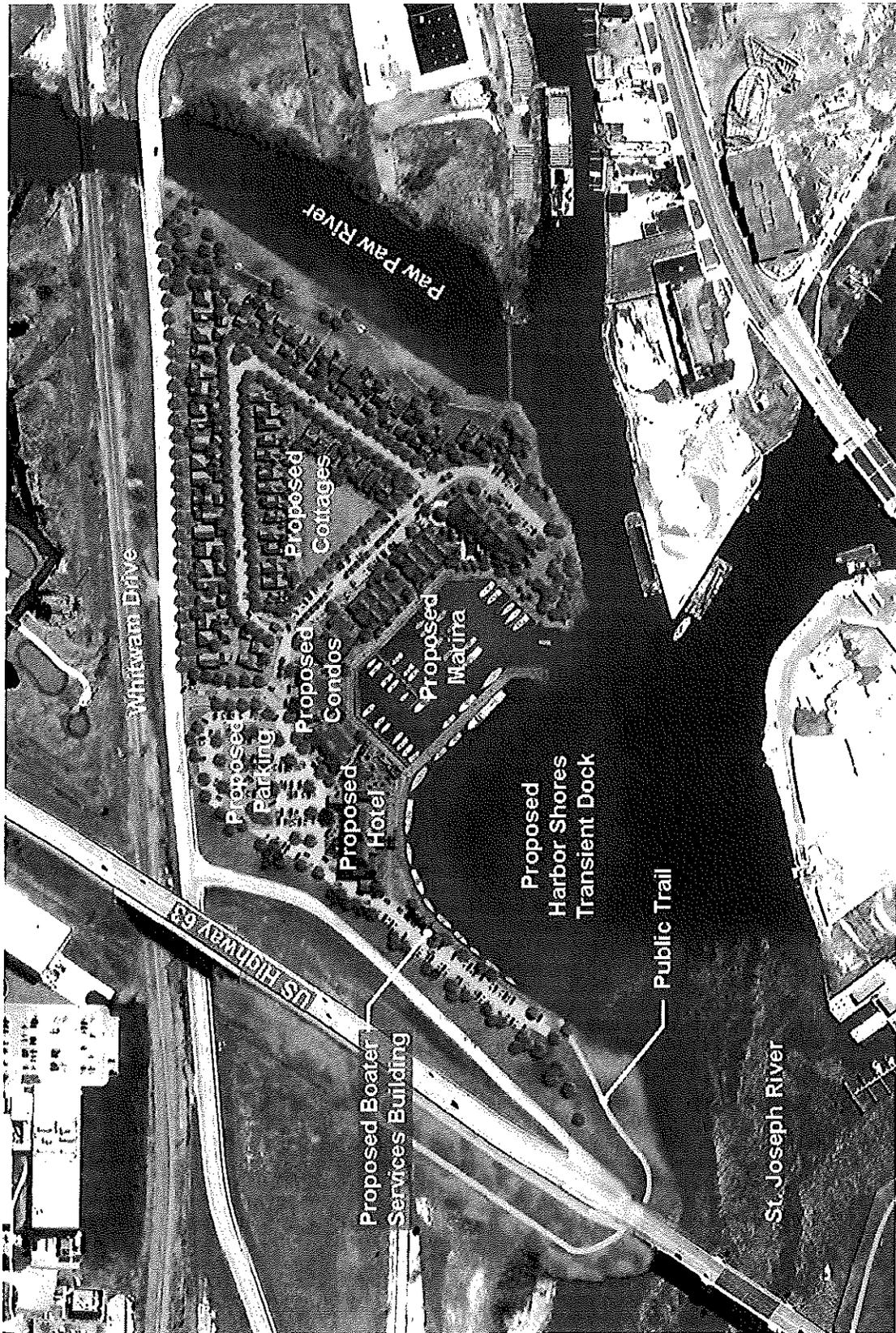


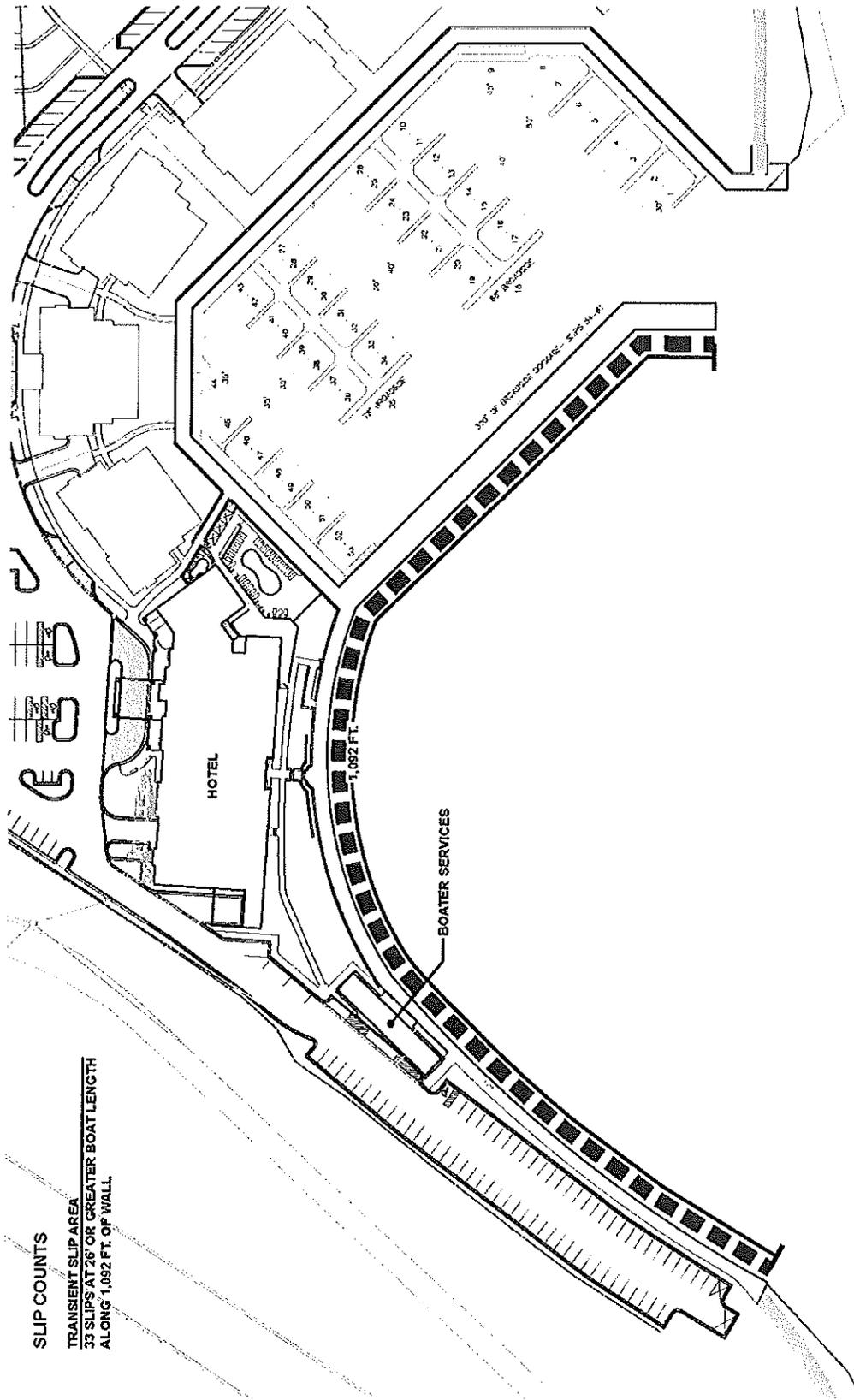
Downtown District Shopping, Dining, Lodging and Services: The quaint downtown district of St. Joseph offers many high quality shopping, dining and lodging options for visitors. Throughout the season many public festivals and events, farmers markets, and art exhibitions enliven the district and draw thousands from regional population centers. Easy access to all basic services and the region's largest marina supply store and dive shop makes this a convenient stop for travelling boaters.

Recreational Opportunities: Visitors can explore the area by renting bicycles and scooters or get a different perspective of the beautiful waters of the lakes and rivers by renting surfboards, kayaks and other watercraft. Parks, walking and nature trails, and other nearby beaches expand the recreational opportunities for the boating visitor.

Arts and Cultural Opportunities: The resurgent Benton Harbor Arts District boasts several galleries, artist's workshops, dining and entertainment. The nearby Box Factory for the Arts is a multi-use arts center including artist studios, galleries, a performance stage, classrooms, Art Shoppe, meeting space, and more. Both permanent and temporary sculptural installations line the city's downtown sidewalks and the area's regional trails. Historic markers, veteran memorials and public art line the bluff at the edge of downtown St. Joseph, overlooking silver beach.



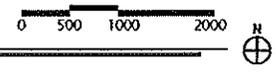




SLIP COUNTS
TRANSIENT SLIP AREA
33 SLIPS AT 26' OR GREATER BOAT LENGTH
ALONG 1,092 FT. OF WALL



Local Projects Since 2007 / Major Employers
 St. Joseph & Benton Harbor, MI March 4, 2012

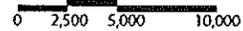


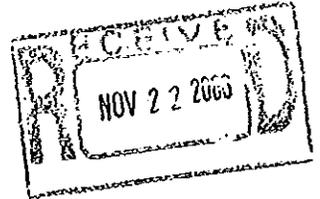


Local Projects Since 2007 / Major Employers

St. Joseph & Benton Harbor, MI

March 4, 2012





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

Nov. 29, 2006

Date

Mindy S. Koch
Resource Management Deputy



CITY OF St. Joseph

700 Broad Street • St. Joseph, Michigan 49085-1276 • www.sjcity.com

DEPARTMENTS

CITY MANAGER
269-983-5541

BUILDING
INSPECTIONS
269-983-1212

CITY ASSESSOR
269-983-1231

CITY CLERK
269-983-6325

CITY ENGINEER
269-983-5541

CODE ENFORCEMENT
269-983-1212

COMMUNICATIONS
& MARKETING
269-985-0349

FINANCE / TREASURER
269-983-4731

WEST BASIN MARINA
273 MARINA DRIVE
269-983-5432

PERSONNEL
269-983-0443

PLANNING & ZONING
269-983-1212

PUBLIC SAFETY
DIRECTOR
269-985-0300
Deputy Director - FIRE
269-983-4641
Deputy Director - POLICE
269-985-0300

PUBLIC WORKS
& SERVICE
DIRECTOR
STREETS/SANITATION
WATER/SEWER
PARKS/BEACHES
TREES/LIGHTS
CEMETERY
1160 BROAD STREET
269-983-6341

WATER/SEWER
BILLING
269-983-6324

WATER TREATMENT
PLANT
269-983-1240

August 12, 2013

Paul Petersen, Waterways Grant Program Manager
Michigan Department of Natural Resources
Parks and Recreation Division
P.O. Box 30257
Lansing, MI 48909

Subject: Boating Infrastructure, Harbor Shores Transient Marina

Dear Mr. Petersen,

On behalf of the City of St. Joseph, I am very pleased to request consideration of the Harbor Shores Transient Marina Project for the FY 2013 Boating Infrastructure Grant (BIG) program. This project is a key piece in the continuing development of Harbor Shores that has proven over several years as an outstanding and transformative entity in our community.

The 530 acre Harbor Shores redevelopment site serves as an economic generator for the communities it serves through job creation, outstanding recreational opportunities and business and residential development. With more than 800 new residential units, a world class golf course, clubhouse, athletic club, extensive trail system, boat launches along the Paw Paw and St. Joseph Rivers and a newly redesigned beach park along 3,000 feet of Lake Michigan, Harbor Shores has been incredibly successful. As a component of Harbor Shores, the Harbor Shores Transient Marina Project offers a unique opportunity for boaters in that it builds off the strength of the long standing and successful redevelopment project. Adjacent to the project will be a new development including a boutique hotel, rental and ownership condominiums, cottage neighborhood, 55 slip marina and open space parkways as part of existing trail systems connecting the project directly with the rest of Harbor Shores, downtown St. Joseph and Benton Harbor and other points of interest. As a result of the momentum and carefully considered development plans, the Harbor Shores Transient Marina Project offers boaters a recreational opportunity seen few other places on the Great Lakes.

Sincerely,

Robert L. Judd
Mayor

HARBOR  SHORES
Lake Michigan

March 25, 2013

Mr Robert L. Judd
Mayor- City of St. Joseph
City Hall
700 Broad Street
St. Joseph, MI 49085

Dear Mayor Judd:

We are pleased to support the City of St. Joseph in the Haborage Transient Marina Project located in Harbor Shores.

The development team led by Edgewater Resources presented a plan to Harbor Shores for the redevelopment of Parcel 3. The plan meets our criterion for development of the site and is essential to Harbor Shores' comprehensive master plan. We recognize the importance of the marina as a key component of these redevelopment efforts and as a significant gateway to our community.

To increase access for boaters to not only Harbor Shores but to the many other local and regional attractions, we commit \$5,000 toward this important project.

Sincerely,



Bob McFeeter
Managing Director
Harbor Shores HV Construction, LLC

B & Z COMPANY
1171 MILTON STREET
BENTON HARBOR, MI 49022
(269) 925-6999 FAX (269) 925-0578

March 26, 2013

Mayor Robert L. Judd
City Hall
700 Broad Street
St. Joseph, MI 49085

Dear Mayor Judd:

I am writing to confirm our commitment in support of the Harborage Transient Marina in St. Joseph, Michigan. As a local contractor and member of the community, we recognize the need for an active, safe and welcoming waterfront. B & Z Company will provide \$5,000.00 in the form of labor and heavy equipment to assist in the execution of the project.

Sincerely,



Bruce Binger

B & Z Company



HARBOR VILLAGE
HARBOR SHORES

518 Broad Street, Suite 200
St Joseph, Michigan 49085
269 932 4502

March 28, 2013

Mayor Robert Judd
City of St. Joseph
700 Broad Street
St. Joseph, MI 49085

Re: Harbor Shores Transient Marina

Dear Mayor Judd:

Thank you for supporting the Harbor Shores Transient Marina at the City Commission meeting on March 25, 2013.

This letter will confirm that Harbor Village at Harbor Shores, LLC will be providing the local match in the amount of \$691,578 for the US Fish and Wildlife Service Boating Infrastructure Grant application.

We are extremely excited about the transient slip opportunity as it will bring people not only to the Harbor Shores resort as a destination but also to the greater communities of St. Joseph and Benton Harbor. We look forward to working with you on this exciting community project. Should you have any questions, please feel free to contact our office.

Sincerely,

Ronald E. Schults
Manager

cc: Bob McFeeter, Harbor Shores
John Hodgson, City of St. Joseph

O:\Projects\2012\12-04 HSR\DOCUMENTS\130328 Mayor R. Judd Letter.docx

Robert W. Bogner and Associates, Inc.

Robert W. Bogner and Assoc., Inc.
518 Broad Street #200
St. Joseph, Michigan 49085

Phone: 269-983-4783
FAX: 269-932-3542
e-mail: bob@rbogner.com

John Hodgson
City of Saint Joseph
700 Broad Street
Saint Joseph, Michigan 49085

Re: Harbor Shores Transient Marina Economic Impact Analysis

Dear Mr. Hodgson,

The project team has completed extensive engineering and economic analyses of the Harbor Shores Transient Marina project, including completion of a May 2012 Marina Market Analysis, Engineering Feasibility Study and Marina Economic Impact Analysis utilizing the economic impact model sponsored by the Association of Marina Industries, Great Lakes Commission, U.S. Coast Guard, and the National Marine Manufacturers Association. The results of this economic model include the following:

Assumptions – The analysis contains 33 total slips of which 90% are estimated to be for powerboats and 10% sailboats. The occupancy for these is a five-month period with 50% occupancy during the first and last months (May and September) and 95% occupancy during the peak months of the season (June, July and August).

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Total Effects	\$1,002,000	15	\$600,000

In a larger sense, the total economic impact of the Harbor Shores Transient Marina is essentially incalculable. The transient marina reinforces development of landside activities and is an integral part of the Harbor's ambiance that attracts tens of thousands of visitors each year.

Sincerely,

A handwritten signature in cursive script that reads "Robert W. Bogner". The signature is written in black ink and is positioned below the word "Sincerely,".

Robert W. Bogner MAI

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	\$ 320,000.00	200,000.00	\$ 120,000.00
5. Other architectural and engineering fees	\$ -	-	\$ -
6. Project inspection fees	\$ -	-	\$ -
7. Site work	\$ -	-	\$ -
8. Demolition and removal	\$ -	-	\$ -
9. Construction	\$ 1,487,598.00	241,520.00	\$ 1,246,078.00
10. Equipment	\$ 35,000.00	-	\$ 35,000.00
11. Miscellaneous	\$ -	-	\$ -
12. SUBTOTAL (sum of lines 1-11)	\$ 1,842,598.00	441,520.00	\$ 1,401,078.00
13. Contingencies	\$ -	-	\$ -
14. SUBTOTAL	\$ 1,842,598.00	441,520.00	\$ 1,401,078.00
15. Project (program) income	\$ -	-	\$ -
16. TOTAL PROJECT COSTS (subtract #15 from #14)	\$ 1,842,598.00	441,520.00	\$ 1,401,078.00

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 49.9 %

\$ 699,500