



ACCESS TO THE GREAT LAKES FISHERY

2015.1593, HAYES TOWNSHIP PARK, CAMP SEA-GULL PIER

FINAL NARRATIVE REPORT

Project Title: Hayes Township Park, Camp Sea-Gull Fishing Pier Planning Grant

Grantee Organization: Hayes Township

Project Team: Hayes Township Board of Trustees
Performance Engineers, Inc., Consultant

Contact Person: Marlene Golovich, Hayes Township Clerk (231) 547-6961
clerk@hayestownshipmi.gov

Background/Overview:

1. The project was completed as originally intended. The structural analysis and associated cost estimates performed as part of the project led to a hybrid solution where a seasonal de-icing system will be used in conjunction with structural resistance to the ice forces. The resultant design will be incorporated into the construction project, thus reducing the time and engineering effort involved in moving forward with the project plans.

Outcomes:

2. Outcome #1 – Assess Existing Lake Conditions: A broad range of environmental and meteorological data were analyzed to properly identify the worse-case ice damage scenarios that are anticipated to impact the structure. This was consistent with the intended outcome, which was to quantify the natural forces of the ice to be resisted by the structure for design calculation purposes.

Outcome #2 – Develop Design Alternatives: Design alternatives were developed as originally conceived, however, an additional hybrid design alternative (de-icing and structural resistance) emerged through the analysis, which was not originally expected.

Outcome #3 – Alternatives Selection: The design alternatives selection process proceeded as proposed.

Outcome #4 – Final Design Recommendation & Construction Cost Estimate: The outcome for the analysis was summarized in a report prepared for the GLFT, which included the intended information from the original proposal.

3. The intended audience for the planning grant was the GLFT technical advisory committee. The report was shared with the Township, other project stakeholders, and the GLFT, which was the intended audience. However, the results of this project are going to be incorporated into the overall construction project, which is where the public will truly benefit. There was no significant feedback from the planning grant project.
4. The relationship between the Township and the funding agencies was developed through this process, whereby a better understanding of the scope of the eventual construction project has become clearer and lines of communication have formed.
5. The most valuable outcome of this planning project is that we now have a high level of confidence in the constructability of the proposed structure and have minimized the potential for costly design alterations in the construction phase. This was consistent with our desired outcome for the project.

Site-Specific Information:

6. The proposed access structure will be located in an area of Lake Charlevoix's north shore between Boyne City and Charlevoix, where there is currently very little public access for shore based fishing opportunities. The fishing pier will take advantage of 125' of boat launch dock to be constructed through other funding sources, adding 17' of additional dock to a 16'x40' pile supported fishing platform. By leveraging the boat launch dock project, we can ultimately extend 157' from the shore to reach fish habitat at a drop-off in the Lake bottom.
7. The following subsections provide additional details regarding the site.
 - a. The proposed fishing pier will be located within the Hayes Township Park Camp Sea-Gull. The Park is located approximately 5 miles east of US-31 on Boyne City – Charlevoix Road (County Road C-56). The Park has signage at the road to identify the site and will have directional signage within the site for visitors to reach the boat launch and fishing pier.

- b. The proposed fishing pier will leverage the infrastructure proposed for the boat launch project, sharing an access road, parking, ADA and pedestrian access routes, restrooms, site lighting, and directional signage through the park.
- c. The site will have an informational kiosk constructed as a part of the boat launch project.
- d. The most common fish species caught at the site are perch and small-mouth bass, with rock bass, walleye, and northern pike to a lesser extent.
- e. The DNR does not regularly stock any fish species at or near the site, but does expend a significant amount of effort each year to Lake Charlevoix.
- f. The recommended tactics for fishing at the proposed pier would be live bait or small spoons, or a crankbait for walleye and pike. The best times would be early morning or evening.
- g. Anglers can find several private lodging opportunities in either Charlevoix (approximately 6 miles away) or Boyne City (approximately 9 miles away). There is also Young State Park located on C-56 approximately 8 miles east of the site and Fisherman's Island State Park approximately 10 miles west, just south of Charlevoix.
- h. Visitors to the Hayes Township Park Camp Sea-Gull fishing pier are encouraged to take advantage of this beautiful 20 acre park situated on the shores of Lake Charlevoix. There are many other recreational opportunities both at the park, across the street at the Little Traverse Conservancy property, and within the surrounding communities.
- i. The primary project objective was to develop a fishing pier design that can withstand the winter ice conditions on Lake Charlevoix, which has been met.

Pictures:

- 8. Due to the fact that this was a planning grant and has not been constructed yet, there are no photos included.
- 9. Due to the fact that this was a planning grant and has not been constructed yet, there are no photos included.

Related Efforts:

- 10. The proposed fishing pier is part of a larger boat launch project being developed at the site. Other funding agencies, such as the Michigan State Waterways Commission and the Michigan Land and Water Conservation Fund have been involved and have been provided with updated project information based on the findings of this planning grant.

11. There is a great deal of ongoing work related to design of the overall boat launch project, which is expected to be out-to-bid in the spring of 2017. The design for the fishing pier, as developed during this planning grant is to be included in the overall project plans.

Reflections:

12. During the course of the planning grant, a great deal of thought and engineering was put into the pile design and the interaction of the piles with the underlying site geology. An unanticipated benefit of this process was that we were able to re-think our retaining wall design in the access road for the boat launch project, using additional boring information generated for the pile design. This allowed us to reduce the overall amount of retaining wall, and associated cost in the larger boat launch project.

13. I would suggest two things; the first is that the process of assisting communities with planning grants associated with a proposed access site is a valuable asset in moving a project forward. Through this process, we were able to work through many of the early site development issues that are time consuming, resulting in a design that will integrate into the construction project and reduce the upfront engineering time associated with that process.

The second is that the leveraging of multiple funding sources often requires duplicated plan development, project narratives, budget formats, etc. as part of the application process. Michigan has gone to a centralized MiWaters system for their regulatory permitting, perhaps there is an opportunity here for a centralized system for uploading grant application materials for viewing by multiple state funding agencies. That being said, all of the grant application support staff at the DNR have been very knowledgeable and helpful in assisting us through this process.