



To: GLMRI Affiliate Universities, Advisory Board Members and Other GLMRI Associates

From: Carol Wolosz, Executive Director

Date: April 7, 2010

Subject: **GLMRI Request for Proposals: due by 4:00 PM, Wed. June 2, 2010**

We are happy to announce that in the FY10 Omnibus Appropriation, GLMRI received funding for another year of research project awards. However, the amount in this year's appropriation is less than half of previous years. We are moving ahead with the Institute's research agenda, but will be limited by the amount we can award (\$30,000/project). A list of the recommended focus areas is included below, but we are open to other topical subjects that would impact Great Lakes shipping and commerce. Also included in the RFP is a list of the currently funded projects supported by GLMRI. We look forward to your participation in GLMRI research. We anticipate having the award notifications back to proposers by mid-August. Please note, we will only fund projects for a 12-month period. Projects that extend beyond 12 months of effort will be able to resubmit in a future RFP cycle for continuance based on the results to date.

Our Mission

The Great Lakes Maritime Research Institute is dedicated to developing and improving economically and environmentally sustainable maritime commerce on the Great Lakes through applied research.

Research Focus Areas:

Evaluate short sea shipping market opportunities on the Great Lakes.

Evaluate export and import markets for foreign trade between ports on the Great Lakes and foreign ports such as those located in Europe and Africa.

Evaluate the environmental benefits of waterborne transportation in the Great Lakes region and assist in developing sustainable solutions to the environmental effects of maritime transportation and port operations.

Analyze the methods and effects of taxes and fees imposed on Great Lakes shipping.

Evaluate the state of shipbuilding and repair bases on the Great Lakes and the impact to the industry and national security.

Analyze the origin-to-destination flow of freight in the Great Lakes.

Analyze the economic viability of establishing transshipment facilities and intermodal for ocean-going and intra-lake cargoes on the Great Lakes, which may include the evaluation of 12-month operations of the locks and shipping lanes.

Evaluate new vessel designs for domestic and international shipping on the Great Lakes.

Develop new products and technologies to enhance port security and port operations.

Provide education and outreach activities to the public on Great Lakes maritime shipping, port security and intermodal operations.

Identify ways to improve the integration of the Great Lakes Marine Transportation System (MTS)/Marine Highway into the national transportation system.

Examine the potential of expanded seasonal operations on the Great Lakes MTS/Marine Highway.

Identify ways to include intelligent transportation applications into the Great Lakes MTS.

Analyze the effects and impacts of aging infrastructure and port corrosion on the Great Lakes MTS.

Establish and maintain a model Great Lakes MTS database, and develop tools for economic and environmental modeling and analysis.

Identify market opportunities for, and impediments to, the use of United States-flag vessels in trade with Canada on the Great Lakes.

Ongoing Projects: The following projects are currently funded/supported through GLMRI.

1. Great Lakes Maritime Education Program for K-12 Teachers, Students and Communities
2. WebGIFT: Expanding Access to the Great Lakes Geospatial Intermodal Freight Transportation (GL-GIFT) Model
3. Evaluation of Integrated Electric Plants for Great Lakes Self- Unloaders
4. Refinement of the Ballast-Free Ship Concept
5. Modal Comparison of Great Lakes Freight Transportation Effects on the General Public
6. Economic Impact of the Great Lakes and St. Lawrence Seaway System (GLSLS), Phase II

7. Developing a Risk Assessment Tool to Predict the Accelerated Corrosive Loss of Port Transportation Infrastructure
8. Year 4: Building Sustainable Solutions to the Issue of Ballast Water Treatment: Testing Relationships between Propagule Pressure and Colonization Success of Invasive Species
9. The Great Lakes Maritime Information Delivery System: A Resource for the Regional Analysis of Intermodal Freight Flows in the Great Lakes Region (Phase V)
10. Great Lakes Marine Container Service Feasibility Study: Connecting Green Bay to Global Container Service providers serving ports on the St. Lawrence Seaway

Proposal Format and Submission Instructions:

**GREAT LAKES MARITIME RESEARCH INSTITUTE
RESEARCH PROPOSAL AND WORK PLAN**

1. Research Project Title:

2. Principal/Co-Investigator Information:

Co-Investigators (if applicable)

Name:
Department:
Position Title:
Address:
Phone:
FAX:
E-Mail:

Name:
Department:
Position Title:
Address:
Phone:
FAX:
E-Mail:

3. Abstract: *A brief (maximum 200 words) description of the research project*

4. Budget Details: *Include salaries, fringe, travel, supplies and any capital equipment, and applicable university indirect costs. GLMRI will also pay the costs associated with submission to one formal /professional publication/journal.*

Also, please reference any matching, or other support that will provided for this proposed project. Although matching is not required, it is strongly encouraged. (A sample Excel spreadsheet is available for your use on the GLMRI website under the Resources tab.)

Note: GLMRI does not support Indirect Cost Recovery (ICR) charges against any professional services contracts or travel costs.

5. Research Objectives: *Concisely describe the objectives or goals of the project. Include expected outcomes or deliverables. What impact will be made as a result of this research?*

6. Background: *Provide an introduction for your proposed research. Include, if appropriate, related research completed by members of the research team.*

7. Research Methodology and Scope: *Provide an overview of your research methodology. Explain why your methodology is unique in the proposed field.*

8. Tasks: *In chronological order, by month, list each major task to complete the project. For each task, list any deliverables (reports, test results, maps, software, etc.) that result from work on that task.*

Use the following format for each identified task:

Task #: *Task Title*

Narrative Detailed Description of the Task

Duration (in months):

Deliverables:

9. Project Schedule (Sample Format)

Include project schedule as shown here.

TASK	MONTH											
	Jul...	Aug...	Sep...	Oct...	Nov...	Dec...	Jan...	Feb...	Mar...	Apr...	May...	Jun...
Title of task 1	xxxxxxxxx											
Title of task 2	xxxxxxxxxxxxxxxxxxxxxxxxxxxx											
Title of task 3							xxxxxxxxxxx					
Title of task 4							xxxxxxxxxxxxxxxxxxxxxxxxxxxx					

Please also include a short vita for each of the principal investigators for your project in addition to the proposal. Provide your proposals (4 paper copies plus an electronic file/e-mail) by Wednesday, June 2, 2010, 4:00PM CDT.

Contact and Mailing Info:

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