

NJDOT Bureau of Research
QUARTERLY PROGRESS REPORT

Project Title:	Channel Usage Research and Analysis		
RFP NUMBER: 7841174	NJDOT RESEARCH PROJECT MANAGER: Giri Venkiteela		
TASK ORDER NUMBER: 25	PRINCIPAL INVESTIGATOR: Brian ten Siethoff, Christopher Titze, David Wagner		
Project Starting Date: 8/16/2013 Project Ending Date: 2/15/2014	Period Starting Date: 4/1/2014 Period Ending Date: 6/30/2014		

Task	% of Total Project Budget	Total Budget	% of Task This Quarter	Cost This Quarter	% of Task to Date	Total Cost to Date
1. Literature Search	12%	\$14,020	0%	\$0	100%	\$14,020
2. Evaluate and Screen Vessel Count and Classification Methodologies	8%	\$9,120	0%	\$0	100%	\$9,120
3. Data Collection and Pilot Test of Vessel Count and Classification Methodologies	64%	\$72,560	0%	\$0	100%	\$72,560
4. Final Report	15%	\$17,060	21%	\$3,500	91%	\$15,527
TOTAL	100%	\$112,760	3%	\$3,500	99%	\$111,227

Project Objectives:

The purpose of this task is to 1) Develop and implement a reliable, repeatable, and verifiable method or SOP (Standard Operating Procedure) to collect vessel count and classification information by time of day; 2) Test one or more approaches that could be applicable to a broader statewide effort to collect vessel count information utilizing the selected method on approximately 214 state channels within the state's Marine Transportation System; and 3) Collect channel usage and classification data on a representative sample of the 214 state channels using a variety of methodologies so that results can be compared and guidance can be provided for future data collection efforts.

Project Abstract:

New Jersey's state channels are critical to the quality of life and economies of the state's coastal communities. The channels provide access to marinas and docks, and they allow fishing vessels, charter boats, and other commercial traffic to access Federally-maintained waterways like major inlets to the Atlantic Ocean and the Atlantic Intracoastal Waterway. As an initial step in a broader effort to better understand how these channels are used and how the Department of Transportation can best allocate scarce resources to channel dredging and other maintenance activities, this project involves defining a standard operating

procedure for collecting data about the size and number of vessels using each of the 214 state-maintained channels in New Jersey.

1. Progress this Quarter by Task

Task 1:

- None completed this quarter.

Task 2:

- None completed this quarter.

Task 3:

- None completed this quarter.

Task 4:

- The consultant team completed the draft final report and submitted for review and comment.
- The consultant team addressed comments from NJDOT staff and submitted the final report and associated research documentation.

2. Proposed activities for next quarter by task

Task 1:

- None.

Task 2:

- None.

Task 3:

- None.

Task 4:

- Complete technical brief.

3. List of deliverables provided in this quarter by task (product date):

Task 1:

- No deliverables this quarter.

Task 2:

- No deliverables this quarter.

Task 3:

- No deliverables this quarter.

Task 4:

- Draft Final Report (4/3/14)
- Final Report (6/17/14)

4. Progress on Implementation and Training Activities:

- No work on implementation or training in this period

5. Problems/Proposed Solutions:

- No problems to report during this period.

Total Project Budget	\$112,760.00
Contract Amount:	\$112,760.00
Total Project Expenditure to date	\$111,227.00
% of Total Project Budget Expended	99%