



CAIT

Center for Advanced Infrastructure & Transportation
Rutgers, The State University of New Jersey

QUARTERLY PROGRESS REPORT

Project Title:	Evaluation of Methods for Bridge Scour Monitoring		
RFP NUMBER:	NJDOT RESEARCH PROJECT MANAGER: Karl Brodtman		
TASK ORDER NUMBER/Study Number: 65 / 4-23786	PRINCIPAL INVESTIGATOR: Hani Nassif		
Period Starting: (Start Date of Study) 4/22/1999	Period Ending: 6/30/2000		

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
Literature Search	5%	0%	95%	4.75%
1. Purchase for System Components	5%	0%	95%	4.75%
2. Site Selection and Designation	30%	37.5%	85%	25.5%
3. Field Set-up of Monitoring System I & II	20%	0%	50%	10%
4. Preliminary Monitoring & System Calibration	30%	47%	50%	15%
Progress Reports	5%	60%	80%	4%
Final Report	10%	0%	0%	0%
TOTAL	100%			64%

1. Progress this quarter by task:

- A. After the March 8th, 2000 meeting, NJDOT provided new bridge sites that are scour active. The river depth under a total of three bridges has been surveyed using a portable Sonar system. A spatial grid of the riverbed depth around piers and abutments has been recorded.
- B. Preliminary data on scour is being collected from the Matawan Bridge. No significant scour activity is reported.
- C. Data from the new bridge sites is under study and initial observations show that there is a 2-3 feet scour activity, however, further investigation of bridge plans (obtained from NJDOT after study) show the presence of Rip-Rap around piers. The search for a suitable bridge site is underway and will be coordinated with NJDOT.

2. Proposed activities for next quarter by task

- A. Continue search for an appropriate bridge site.

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

4. Progress on Implementation and Training Activities

5. Problems/Proposed Solutions

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING
623 BOWSER RD. PISCATAWAY NJ 08854-8014
TEL: 732-445-0579 FAX: 732-445-0577



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6. Budget Summary

Total Project Budget(# of years)	1 yr	\$188,242.00
Total Project Expenditure to date		
% of Total Project Budget Expended		%
Task Order Number/Study Number:		65 / 4-23786
Current Task Order Budget (# of years)	Yr. 1	\$188,242.00
Actual Expenditure to date against current task order		
% of current task order budget expended		%

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