



CAIT

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

QUARTERLY PROGRESS REPORT

Project Title:	Fog Sensor / ITS Integration		
RFP NUMBER: N/A	NJDOT RESEARCH PROJECT MANAGER: Nancy Ciaruffoli		
TASK ORDER NUMBER/Study Number: 64 / 4-23787	PRINCIPAL INVESTIGATOR: Kaan Ozbay		
Period Starting: 4/22/1999 - 4/21/ 2001 (Start-End Date of Study)	Period Ending: 3/31/2001		

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
Phase 1				
Literature Search	5%	0%	100%	5%
1. Selection of Detection Systems	10%	2.5%	100%	10%
2. Integration and Installation of the Weather / Traffic Detector	55%	25%	80%	45%
Project Management	25%	5%	80%	20%
Final Report	5%	0%	0%	0%
TOTAL	100%			75%
Phase 2				
3. Establishment of Threshold Limits	20%	0%	0%	0%
4. Evaluation of the System	80%	10%	20%	16%
TOTAL	100%	10%	20%	16%

Note: 1. There is no change in task percentages since the major activity during this quarter was concerned with solving some of the existing problems.

2. We separated Phase 2 from Phase 1 to make it clearer. We have not changed the percentages in Phase 1 for this quarter to reflect the delay due to the availability of phone line and power. However, the evaluation planning is being prepared and this is where we show changes in the percentages.

1. Progress this quarter by task:

- In this quarter we basically worked on solving existing that are reiterated below:
 - SSI has installed the system on the Wanaque bridge.
 - Power is available on the bridge
 - SCANWEB server has been upgraded and installed at Trenton based on the under .the understanding that the RPU at Wanaque bridge is going to be connected to this server. However, through the use of a WEB Browser, the people at Operations North will be able to log on to this server at Trenton and a meeting among all the parties involved was held at Trenton to resolve some of the issues including the availability of Variable Message Signs, the details of communication between the system and the involved personnel, and others.
 - Work is underway for getting CDPD service for communication at the bridge
 - We developed a preliminary evaluation plan (Phase 2).
 - We had several meetings with NJDOT and SSI.

2. Proposed activities for next quarter by task

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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- Finalize installation of the CDPD service.
- Finalize off-line testing of the overall system, and determining the responsibilities of involved personnel.
- Start the traffic data collection for evaluation.

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

4. Progress on Implementation and Training Activities

5. Problems/Proposed Solutions

- Installation of communication line. This is being taken care of.
- No cost budget extension and budget modification. It will be done in the next couple of weeks.

6. Budget Summary*

Total Project Budget(# of years)	1 Year	\$150,611.00
Total Project Expenditure to date		\$51,419
% of Total Project Budget Expended		34%
Task Order Number/Study Number:		64 / 4-23787
Current Task Order Budget (# of years)	Year 1	\$150,611.00
Actual Expenditure to date against current task order		\$51,419
% of current task order budget expended		34%

* These are approximate expended amounts for the project; these estimates are for reference only and should not be used for official accounting purposes. For a more accurate project accounting please review the quarterly invoice for this project.

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