



QUARTERLY PROGRESS REPORT

Project Title:	Evaluation of Incident Management Strategies		
RFP NUMBER: N/A	NJDOT RESEARCH PROJECT MANAGER: Karl Brodtman		
TASK ORDER NUMBER/Study Number: 88-02 / 4-23934	PRINCIPAL INVESTIGATOR: Kaan Ozbay		
Study Start Date: 06/01/2000 Study End Date: 05/31/2002	Period Covered: 4 th Quarter 2001		

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
First Year				
1. Review of Existing Incident management Strategies in US / NJ	20%	40%	100%	20%
2. Data Collection and Analysis	50%	20%	90%	45%
3. Determine Measures of Performance	10%	60%	100%	10%
4. Quantify MOP's Using NJ Data	20%	10%	65%	13%
Total (First Year)	100%			88%
Second Year				
5. Simulation Framework	80%	10%	30%	24%
6. B/C Analysis for Candidate Incident Management Strategies	20%	10%	10%	2%
Total (Second Year)	100%			26%
Final Report				

Note:

1. Part of Tasks 3 and Tasks 4 will be performed during the second year of this project.
2. We have added tasks for second year.
3. We have also added sub-totals for years 1 and 2.

Progress this quarter by task:

- Task 1: This task is complete.
- Task2: We collected data both at NJ level and US level. Our goal is to determine certain basic relationships in IM operations and duration IM operations. We have obtained a second set of incident data from NJDOT with SRI numbers to determine the locations of incidents and we started to analyze it with special focus in South Jersey since this is an important area of interest where IM operation are being conducted using EMS trucks. We are in the process of getting more detailed incident logs from NJDOT Operations South personnel (Jim Hogan) and State police to discuss IM operations in the area and the availability of data. We are now working on this data
- Task 3: We have analyzed information regarding MOP's used in the US for evaluation IM operations.
- Task 4: We worked on the development of an evaluation methodology for different incident management. A set of variables such as weather and time of day in addition to other variables are being considered.
- Task 5: We have already developed a simulation framework and a prototype simulation program. The program is used to simulate different IM strategies on the South Jersey network.



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- Task 6: We are going to start working on this task towards the end of year 2. We have already collected data and information on the IM technologies, their cost, and their impact on IM operations.

2. Proposed activities for next quarter by task

- Tasks 2 and 4: Work on the data analysis and MOPS's.
- Task 5: Work on the simulation

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

4. Progress on Implementation and Training Activities

5. Problems/Proposed Solutions

- We are still working on getting additional data from Operations South.
- There was a delay of few months between the contract starting date and the actual starting of the work (Beginning of Fall semester) for the first year). This will create a need for a no-cost extension in the end of Year 2.

6. Budget Summary*

Total Project Budget(# of years)	2 Years	\$68,349.00
Total Project Expenditure to date		\$44,511
% of Total Project Budget Expended		65%
Task Order Number/Study Number:		88-02 4-23934
Current Task Order Budget (# of years)	Year 1 and 2	\$68,349.00
Actual Expenditure to date against current task order		\$44,511
% of current task order budget expended		65%

* 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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