



QUARTERLY PROGRESS REPORT

Project Title:	Rut Testing of Hot Mix Asphalt		
RFP NUMBER:	NJDOT RESEARCH PROJECT MANAGER: Mr. Nicholas Vitillo		
TASK ORDER NUMBER/Study Number: Task Order No. 98 / 4-26677	PRINCIPAL INVESTIGATOR: Dr. Ali Maher		
Study Start Date: 01/01/2001 Study End Date: 12/31/2002	Period Covered: 1 st Quarter 2002		

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
Literature Search/Local Agency Survey	10%	50%	75%	7.5%
Lab Testing for Rutting Criteria	25%	50%	80%	20%
Lab Testing for NJ HMA Characterization	25%	10%	20%	5%
Lab Testing for SUPERPAVE vs Marshall	20%	10%	25%	5%
Field Calibration/Evaluation	10%	0%	0%	0%
Final Report	10%	0%	0%	0%
TOTAL	100%			37.5%

1. Progress this quarter by task:

- A. A few more Marshall mixes were delivered to the laboratory for APA testing. Unfortunately, most contained RAP at varying percentages and may not be able to be used for the development of a rutting criteria. However, results may show promise to be incorporated into the Low Volume Road portion of the study.
- B. A meeting was held with regional representatives to discuss recently placed low volume roads and the possibility of coring the roads for APA testing and laboratory evaluation. Future discussions will dictate whether coring is needed and will take place.
- C. Sample fabrication has begun on the final mixes that will be used for the final evaluation of a rutting criteria. The samples include the following: 12.5M64, 12.5V76, 19V76, 12.5V70. These will be combined with the 12.5H64 and the 19H64 samples that have already been tested to provide a final basis for a rutting criteria.

2. Proposed activities for next quarter by task:

- A. Marshall samples that continue to come in from local aid will be evaluated and tested for further comparisons and correlations. A final decision will be made as to whether or not field coring is appropriate for the research program.
- B. Continue the design of the rutting criteria samples and start the APA testing of these samples. Enough samples will be made to also be tested in the SST for further characterization.

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

N/A

4. Progress on Implementation and Training Activities:

N/A



CAIT

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

5. Problems/Proposed Solutions:

N/A

6. Budget Summary*

Total Project Budget(# of years)	2 Years	\$321,867.00
Total Project Expenditure to date		\$43,954
% of Total Project Budget Expended		13.7%
Task Order Number/Study Number:		98 / 4-26677
Current Task Order Budget (# of years)	Year 1 and 2	\$321,867.00
Actual Expenditure to date against current task order		\$43,954
% of current task order budget expended		13.7%

* 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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