

CoreLok system), as well as comparison between the different methods and evaluation of the individual methods and density devices.

- Reviewed and summarized several papers related to calibration methods for nuclear gauges as well as correlations of nuclear gauge results to density measurements on pavement cores.
- Began tabulating and comparing density measurement procedures and guidelines of all the states in the U.S. relating to state practices for HMA acceptance.

5. Problems

- Appreciable delay was encountered in receiving some documents via interlibrary loan from other universities. A few of the papers could not be delivered and hence got cancelled.

6. Work Planned for Next Quarter

- Complete the literature review.
- Initiate work on Task 2 (Current Practice Assessment)
- Develop a statistically based preliminary experiment design to assess accuracy and reproducibility of nuclear gauge measurements as well as to evaluate alternate means to determine HMA density.

7. Finances

SPR Project Summary

VENDOR	FY'08	FY'09	FY'10	FY11	TOTALS
ORIGINAL BUDGET	\$ 55,000	\$ 85,000			\$ 140,000
REVISED BUDGET	\$ 55,000	\$ 85,000			\$ 140,000
EXPENDITURES - VENDOR	\$ -	\$ -	\$ -	\$ -	\$ -
BALANCE	\$ 55,000	\$ 85,000	\$ -	\$ -	\$ 140,000

ODOT	FY'08	FY'09	FY'10	FY11	TOTALS
ORIGINAL BUDGET	\$ 4,000	\$ 5,000			\$ 9,000
REVISED BUDGET	\$ 4,000	\$ 5,000			\$ 9,000
EXPENDITURES - ODOT	\$ 907	\$ -	\$ -	\$ -	\$ 907
BALANCE	\$ 3,093	\$ 5,000	\$ -	\$ -	\$ 8,093

PROJECT	FY'08	FY'09	FY'10	FY11	TOTALS
ORIGINAL BUDGET	\$ 59,000	\$ 90,000	\$ -	\$ -	\$ 149,000
REVISED BUDGET	\$ 59,000	\$ 90,000	\$ -	\$ -	\$ 149,000
EXPENDITURES - PROJECT	\$ 907	\$ -	\$ -		\$ 907
BALANCE	\$ 58,093	\$ 90,000	\$ -	\$ -	\$ 148,093