

## *PROJECT OVERVIEW REPORT*

1. Center Identifying Number  
282-RU4770
2. Project Title  
Development of a Comprehensive Hot Mix Asphalt Pavement Specification
3. Principal Investigator  
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5. Project Description  
The major goal of this study is to search and critically evaluate the literature to determine how the HMA quality characteristics can best be incorporated into the existing NJDOT HMA pavement specification to produce a comprehensive and effective multi-characteristic acceptance specification that can be easily understood and implemented. Particular attention will be paid to methods to develop a simple but scientifically-based performance-related pay adjustment methodology to produce a new specification that is practical and effective, fair to both the highway agency and the construction industry, and legally defensible. It is expected that successful completion of this project will significantly advance the asphalt technology development in NJ and extend the service life of flexible pavements. The research team will perform a comprehensive literature review into any research or documents pertaining to QA programs within and externally throughout the country. The team will then perform an assessment of New Jersey's current QA specifications by looking at actual pavements and their performances. After analysis and New Jersey specific considerations, the research team will submit a draft specification for discussion with NJDOT, which will then be evaluated through a pilot project system.
6. Dates and Budget  
Start date: 07/01/2012  
End date: 07/01/2014  
Total Dollars: \$236,310
7. Keywords  
Hot Mix Asphalt Pavement Specifications, Quality Assurance, Performance Related Specifications, Pay Adjustments