PROJECT OVERVIEW REPORT

1. Center Identifying Number
   240-RU1197

2. Project Title
   Partial Interchanges in New Jersey: Data Development and Evaluation

3. Principal Investigator
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5. Project Description
   Statistics show that travel on the United States highway system has increased five times over the past 50 years from 600 billion, Vehicle Miles Traveled (VMT) in 1956, to 3 trillion VMT in 2006. In addition, the freeway system is aging and in need of rehabilitation and reconstruction, particularly at interchanges. At the same time, interchange upgrades are among the most costly of highway construction projects. Despite the large cost, many of these projects can be justified by realized benefits resulting from improved highway safety and mobility. Recognizing the importance of this issue and the role they have in developing and managing the statewide transportation system in New Jersey, NJDOT and FHWA initiated a statewide study of partial interchanges, including the development of a systematic approach to evaluating the missing connections and recommendations for upgrading partial interchanges where such investment is warranted. In coordination with the NJDOT Project Management and the Partial Interchange Stakeholder Coordination Group, the research team will develop a Statewide Partial Interchange Evaluation Protocol. The proposed interchange evaluation protocol will be tailored for New Jersey and will consider the vital factors of mobility, Safety, Historical performance, Cost effectiveness and Sustainability in evaluating the operational performance of partial interchanges.

6. Dates and Budget
   Start date: 7/01/2009
   End date: 6/30/2011
   Total Dollars: $ 515,010

7. Keywords
   Rehabilitation, partial interchange, mobility, safety, sustainability