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HPMS 2010 Database Maintenance Application and Functional Class Review

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The New Jersey Department of Transportation (NJDOT) successfully migrated to the FHWA HPMS 2010 reassessment data structure for the 2010 reporting year. The HPMS data is now stored in a relational database multi-table linear referenced format similar to the FHWA structure. This structure is slightly different than the requirements for the HPMS submission, but does have the ability to export to that format. This new data model did create some challenges for NJDOT as it disabled previously developed database maintenance tools, procedures and reports. This presentation will focus on the HPMS NJ application to maintain the new data model. The application currently includes functionality for table level editing, system validation checks, report generation functionality, FHWA export generation and sample section editing for field and office staff. Challenges and "lessons learned" faced during updating the urban boundary and function classification, per the 2010 Census data, will be discussed.