

## Study Brief #4: Committee ADA-30

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**Title:** Southern New Jersey Congestion Management System (SJCMS)

**Responsible Agency:** Southern Jersey Transportation Planning Office

**Date Prepared:** 6-30-2003

**Approximate Cost:** \$70,000.00

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**Study Description:** The Southern New Jersey Congestion Management System (SJCMS) is used to identify, monitor, and evaluate congestion in Salem, Cumberland, Atlantic and Cape May counties of New Jersey. SJTPO is the responsible Metropolitan Planning Organization (MPO) for this region.

This technical study brief outlines the Phase II work effort by Parsons Brinkerhoff (PB). The assignment was to develop and update the Congestion Management System. Phase II follows the work of Phase I, which established the critical parameters and the tools for identifying and evaluating congestion in the SJTPO region including: identification of transportation system performance measures; use of the South Jersey Travel Demand Model as the principal evaluation tool; definition of analysis areas and applicable volume-capacity ratios (v/c) for measuring congestion; and application of the analysis tools and measures to identify congested intersections, interchanges and corridors. The work products of Phase I included an original list of CMS Needs, and an Excel-based identification and evaluation procedure and the application/testing of the **SJCMS Tool** for Atlantic County.

Phase II includes three tasks: (1) Completion of the CMS Needs Assessment for the remaining SJTPO; (2) coordination of data collection at identified CMS Need locations and (3) identification of and further development of SJ CMS Tool enhancements with the concurrent update of the SJTDM.

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