

Research at a Glance

Technical Brief

Principal Investigator

Alpesh Patel
Cambridge Systematics, Inc.
apatel@camsys.com
919-741-7698



Statewide Capital Investment Strategy Research and Update

The Bureau of Research at the New Jersey Department of Transportation (NJDOT) engaged Cambridge Systematics, Inc. (CS) to assist with the development of the 10-Year Statewide Capital Investment Strategy (SCIS). The SCIS is a requirement of the Transportation Trust Fund Authority Act of 2000; and is the product of a collaborative effort involving the NJDOT, NJ TRANSIT, the New Jersey Turnpike Authority (NJTA), and the South Jersey Transportation Authority (SJTA).

Research Problem Statement

State law directs statewide transportation agencies to coordinate the development of the SCIS and describe capital investments, programmatic strategies and projects which address statewide system needs and performance. The SCIS details how these investments, strategies and projects comprehensively advance statewide goals that align with NJDOT and partner agency core mission areas - infrastructure preservation, safety, mobility, and mass transit. The SCIS documents near term capital spending levels recommended to achieve NJDOT, NJTRANSIT, NJTA and SJTA performance goals and objectives.

Research Objectives

The goal of this research is to complete the following objectives:

- Inventory relevant transportation investment plans for New Jersey, including capital programs for NJDOT, NJ TRANSIT, NJTA and SJTA.
- Coordinate amongst all SCIS stakeholders, including key collaborators at NJDOT, NJTA, SJTA and NJ Transit.
- Draft an SCIS document that meets all legislative requirements outlined in the state's Transportation Trust Fund Authority Act (TTF Act).
- Document the process and information sources used to update the SCIS, to enable an efficient update in future years.



Research Project Manager

Priscilla Ukpah
Bureau of Research
New Jersey Department of
Transportation
Trenton, NJ

Methodology

This research utilized an inventory of relevant transportation investment plans, including capital programs from key stakeholders. Interagency coordination meetings guided the development, revision, and finalization of the report. A documentation of the process and information sources used to update the SCIS was conducted and included in the research along with a crosswalk between programmed/planned investments and NJDOT's core mission areas.

Results

The findings of the research and engagement with the NJDOT and partner agency staff informed the development of the SCIS. Key features of the update include:

- Development of a crosswalk between agency programmed/planned investments and NJDOT's core mission areas.
- Streamlined document layout with up-to-date graphics, figures and visuals to enrich key narrative sections and technical information.
- Recommended steps and future opportunities to strengthen future SCIS development and NJDOT and partner agency coordination to address TTF Act requirements.
- An Appendix with detailed source information and summaries to support capital investment, strategies and projection information outlined in the body of the report.



This brief summarizes FHWA-NJ-2023-002, "Statewide Capital Investment Strategy Research and Update", produced through the New Jersey Department of Transportation Bureau of Research, 1035 Parkway Avenue, P.O. Box 600, Trenton, NJ 08625.