

# New Jersey Department of Transportation e-STIP

(Electronic Statewide Transportation Improvement Program)

## Overview

NJDOT's e-STIP is Internet-based software that implements electronic submission, processing and approval of New Jersey's State Transportation Improvement Program (STIP). It is designed to streamline STIP development and the processing of amendments and modifications. The STIP contains transportation projects advanced by three New Jersey Metropolitan Planning Organizations (MPOs), and New Jersey Transit. e-STIP is a collaborative tool that allows planners from MPOs and DOT to initiate online requests for changes, and to upload all project related financial information and correspondence. Electronic submission expedites FHWA and FTA's review time and reduces errors. It also allows for tracking the real-time status of each STIP request.



e-STIP Main Menu

## SOFTWARE REQUIREMENTS:

- ◆ Java
- ◆ Sun One Application Server
- ◆ Oracle 9i/10g
- ◆ Crystal Reports
- ◆ ArcGIS Server

## REFERENCE:

Mr. James Vari  
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New Jersey Department of Transportation  
E-mail: [James.Vari@dot.state.nj.us](mailto:James.Vari@dot.state.nj.us)

## VENDER:

NJDOT and NJIT. The e-STIP is an integral part of the TELUS. TELUS is a FHWA market-ready technology and innovation. <http://www.fhwa.dot.gov/research/deployment/telus.cfm>

## CONTACT:

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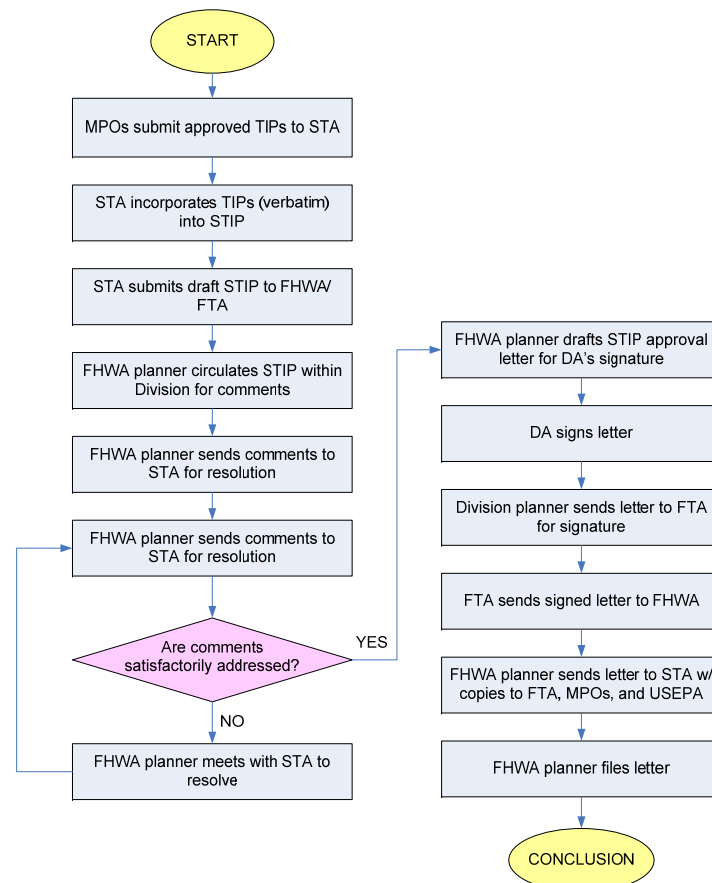
## e-STIP Benefits

- ◆ Money is saved by elimination of paper transactions and mailing costs.
- ◆ Improved staff productivity across the DOT and MPOs – reduced time for tracking down status of the project.
- ◆ Improved process efficiency through automatic email notification to the subsequent reviewer whose action is required on a request.
- ◆ Shared database enables staff to electronically store and retrieve project-related data, documents and correspondence in a central location.
- ◆ Reduced data redundancy, input errors, and more complete documentation through a streamlined data entry and exchange processes.
- ◆ Greater accuracy in the project information exchange among the agencies through a shared STIP database.
- ◆ Integrates DOT's planning, capital programming and construction staging functions and related software.
- ◆ Integrates the STIP with the financial and budgeting data sources so that the list of obligated projects is readily available to the MPOs.
- ◆ Eliminated the need and the costs associated with software compatibility updates and upgrades at the MPOs and NJDOT. The application is installed on a web server and all the users need is an internet browser.



## APPROVALS, AMENDMENTS, MODIFICATIONS, RECALLS

For the federally-approved STIP, e-STIP allows MPOs to request amendments (e.g., new project) and modifications (e.g., modification of funding source, amount, or phase, changes in project description, etc.) via an electronic submission request. All necessary financial and technical information including a fiscal constraint chart pertinent to the request is attached in electronic format. Pending STIP amendment and modification requests can also be recalled to make any necessary changes or edits before sending them back in queue for review and approval. Authorized NJDOT and FHWA/FTA staff can then log in to system online to review and process (approve or disapprove) STIP amendments and modifications with an electronic signature and date stamp.



## PUBLIC PARTICIPATION

The public can query projects via several search tools and review the location and status of each project including the authorization data.

## TRACKING

Provides for a full historical account of all actions taken by MPOs, NJDOT and FHWA/FTA on each STIP project during the Submission, Approval and Amendment/Modification phase.

PROJECT TRACKING HISTORY					
DBNUM: X065		PROJECT NAME: Local CMAQ Initiatives			
Green indicates Approval action		Red indicates Disapproval action		Blue indicates Recall action	
Sign Off	PM Requested	MPO Approved	DOT Submitted	FHWA/FTA Approved	Comment
pleach				2011-01-19	view comment
cbrennan			2011-01-19		view comment
lchelius		2011-01-18			view comment
cbrennanpm	2011-01-14				view comment
monica	2011-01-10				view comment

Project tracking screen shows the name and date of each action taken on a request for modification or amendment

## FHWA REVIEW AND APPROVAL

Enables FHWA planners/engineers to review, comment and approve the complete request online.

## REPORTS

Creates on-demand real time pre-formatted professional looking STIP reports in PDF and MS Word formats. The reports can be for individual projects or custom selected group of projects and up to the whole STIP report. Reports can be readily e-mailed or posted on the web page. For amendments, it produces concise Before and After Project Revision Sheets and the Reason for Modification is clearly stated on a separate page.

FY 2012-2021 STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM												
New Jersey Department of Transportation												
Metropolitan Planning												
DBNUM:	X30A	UPC:	MILEPOST(S): N/A									
COUNTY:	Various											
MUNICIPALITY:	Various											
NJDOT supports the federally mandated Metropolitan Planning Organization transportation planning process. New Jersey Metropolitan Planning Organizations carry out a "3C" transportation planning process whereby planning activities are conducted on a continuous basis while also providing a forum for cooperative decision making among responsible state and local officials, public and private transit operators and the general public.												
ASSET MANAGEMENT CATEGORY: Local System Support - Reg Ping and Project Development					SPONSOR: MPO							
STRUCTURE NO.: N/A					LEGISLATIVE DISTRICT: Various							
			Amounts in Millions of Dollars									
MPO	PHASE	FUND	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
DVRPC	PLS	PL	\$3,272	\$3,272	\$3,272	\$3,272	\$3,272	\$3,272	\$3,272	\$3,272	\$3,272	\$3,272
DVRPC	PLS	STP-STU	\$1,200	\$1,000	\$1,000	\$3,060	\$1,860	\$1,860	\$3,060	\$3,060	\$3,060	\$3,060
NJTPA	PLS	PL	\$12,526	\$12,526	\$12,526	\$12,526	\$12,526	\$12,526	\$12,526	\$12,526	\$12,526	\$12,526
NJTPA	PLS	STP-NJ	\$4,300	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000
SJTPO	PLS	PL	\$1,456	\$1,456	\$1,456	\$1,456	\$1,456	\$1,456	\$1,456	\$1,456	\$1,456	\$1,456
SJTPO	PLS	STP-SJ	\$0,422	\$0,265	\$0,265	\$0,265	\$0,265	\$0,265	\$0,265	\$0,265	\$0,265	\$0,265

Sample STIP Report

## VISUALIZATION

Displays interactive (pop-up) geographical map for viewing of STIP projects. The projects can be queried and selected on screen with a link to the detail project review information.

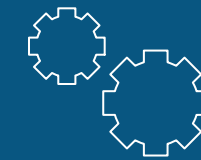


Map Viewer screen shows the location of projects

## OBLIGATION

e-STIP allows DOT Project Managers to request FHWA's approval for their projects. FHWA approves the project and obligates the funding. The obligated amount and the date are shown with the remaining funding balance. This yields a list of obligated projects.

# e-STIP Features



## BUILD STIP

Enables the DOT to upload projects electronically, allocate funding from various state and federal sources to projects and submit them for final approval by the MPO Boards, NJ Assembly and the FHWA/FTA. e-STIP serves as a centralized repository of STIP project related information.



## INSTANT STIP ACCESS

Enables state planners, elected officials and the general public to review up-to-the-minute status of the STIP at any time and from any internet-enabled personal computer.



## PROJECT SUBMISSION

Easy, instantaneous and electronic online (paperless) submission of projects and related requests via authorized access to the shared system.