



NEW JERSEY STATE TRANSPORTATION INNOVATION COUNCIL

2018 Fall Meeting
October 5, 2018



WELCOME & OPENING REMARKS

Michael Russo
Assistant Commissioner, NJDOT



ACKNOWLEDGEMENTS

Robert Clark, Administrator
Federal Highway Administration (FHWA)



STIC COUNCIL INTRODUCTIONS

Michael Russo
Assistant Commissioner, NJDOT



FHWA Update

HELENE ROBERTS, P.E.

FHWA – NJ DIVISION

PERFORMANCE MANAGER

New Jersey

PROGRESS DURING TWO-YEAR DEPLOYMENT

EDC-4 Innovations

	Baseline Jan. 2017	Progress June 2017	Progress Dec 2017	Progress June 2018	Final Report Dec 2018	2-Year Goal for Dec 2018	Goal Met?	Highlights / Challenges
<i>Automated Traffic Signal Performance Measures (ATSPMs)</i>	Development	Development	Development	Demonstration		Institutionalized	33%	
<i>Collaborative Hydraulics: CHANGE</i>	Development	Development	Development	Demonstration		Demonstration	100%	
<i>Community Connections</i>	Not Implementing	Not Implementing	Not Implementing	Not Implementing		Not Implementing		
<i>Data-Driven Safety Analysis (DDSA)</i>	Demonstration	Demonstration	Demonstration	Demonstration		Institutionalized	0%	
<i>e-Construction ONLY</i>	Development	Demonstration	Demonstration	Demonstration		Assessment	50%	
<i>e-Construction and Partnering</i>	Not Implementing	Not Implementing	Not Implementing	Not Implementing		Not Implementing		
<i>Integrating NEPA and Permitting</i>	Institutionalized	Institutionalized	Institutionalized	Institutionalized		Institutionalized		
<i>Pavement Preservation (When & Where)</i>	Assessment	Assessment	Assessment	Institutionalized		Institutionalized	100%	
<i>Pavement Preservation (How)</i>	Institutionalized	Institutionalized	Institutionalized	Institutionalized		Institutionalized		
<i>Weather-Savvy Roads (Pathfinder)</i>	Not Implementing	Not Implementing	Institutionalized	Institutionalized		Not Implementing		
<i>Weather-Savvy Roads (Integrating Mobile Observations)</i>	Development	Development	Development	Development		Institutionalized	0%	
<i>Safe Transportation for Every Pedestrian (STEP)</i>	Development	Development	Development	Assessment		Institutionalized	67%	
<i>Ultra-High Performance Concrete Connections for PBES</i>	Institutionalized	Institutionalized	Institutionalized	Institutionalized		Institutionalized		
<i>Using Data to Improve Traffic Incident Management</i>	Development	Development	Development	Development		Institutionalized	0%	

Legend:

Not Implementing	not currently using the innovation anywhere in the State and is not interested in pursuing the innovation
Development	collecting guidance and best practices, building support with partners and stakeholders, and developing an implementation process
Demonstration	testing and piloting the innovation
Assessment	assessing the performance of and process for carrying out the innovation and making adjustments to prepare for full deployment
Institutionalized	adopted the innovation as a standard process or practice and uses it regularly on projects

EDC-5 Summit

Albany, NY – October 24 and 25

Delegation of 12 – FHWA, NJDOT,
MPOs, LPAs, industry

Agenda

EDC-5 Innovations on website

EDC-5 Innovations

Reducing Rural Roadway Departures

Safe Transportation for Every Pedestrian (STEP) 2.0

Use of Crowdsourcing to Advance Operations

Weather-Responsive Management Strategies

Project Bundling

EDC-5 Innovations

Value Capture: Capitalizing on the Value Created by Transportation

Unmanned Aerials Systems (UAS)

Advancing Geotechnical Exploration Methods

CHANGE: Collaborative Hydraulics 2.0

Virtual Public Involvement