



# NEW JERSEY STATE TRANSPORTATION INNOVATION COUNCIL

2018 Summer Meeting  
June 13, 2018



# WELCOME & OPENING REMARKS

Michael Russo  
Assistant Commissioner, NJDOT



# STIC COUNCIL INTRODUCTIONS

Michael Russo  
Assistant Commissioner, NJDOT



# FHWA Update

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HELENE ROBERTS, P.E.

FHWA – NJ DIVISION

PERFORMANCE MANAGER

# New Jersey

<b>STIC Incentive Projects</b>		<b>Accelerated Innovation Deployment (AID) Demonstration Projects</b>	
\$161,988 Funds Allocated	5 Projects Awarded	\$0 Funds Allocated	0 Projects Awarded
\$71,152 Funds Expended	2 Projects Completed	<b>Increased Federal-share for Project Level Innovations Usage</b>	
		\$0.00 Additional Federal Share	0 Projects Authorized

EDC-4 Innovations	PROGRESS DURING TWO-YEAR DEPLOYMENT					2-Year Goal for Dec 2018	Goal Met?	Highlights / Challenges
	Baseline Jan. 2017	Progress June 2017	Progress Dec 2017	Progress June 2018	Final Report Dec 2018			
<i>Automated Traffic Signal Performance Measures (ATSPMs)</i>	Development	Development	Development			Institutionalized	0%	
<i>Collaborative Hydraulics: CHANGE</i>	Development	Development	Development			Demonstration	0%	
<i>Community Connections</i>	Not Implementing	Not Implementing	Not Implementing			Not Implementing		
<i>Data-Driven Safety Analysis (DDSA)</i>	Demonstration	Demonstration	Demonstration			Institutionalized	0%	
<i>e-Construction ONLY</i>	Development	Demonstration	Demonstration			Assessment	50%	
<i>e-Construction and Partnering</i>	Not Implementing	Not Implementing	Not Implementing			Not Implementing		
<i>Integrating NEPA and Permitting</i>	Institutionalized	Institutionalized	Institutionalized			Institutionalized		
<i>Pavement Preservation (When &amp; Where)</i>	Assessment	Assessment	Assessment			Institutionalized	0%	
<i>Pavement Preservation (How)</i>	Institutionalized	Institutionalized	Institutionalized			Institutionalized		
<i>Weather-Savvy Roads (Pathfinder)</i>	Not Implementing	Not Implementing	Institutionalized			Not Implementing		
<i>Weather-Savvy Roads (Integrating Mobile Observations)</i>	Development	Development	Development			Institutionalized	0%	
<i>Safe Transportation for Every Pedestrian (STEP)</i>	Development	Development	Development			Institutionalized	0%	
<i>Ultra-High Performance Concrete Connections for PBES</i>	Institutionalized	Institutionalized	Institutionalized			Institutionalized		
<i>Using Data to Improve Traffic Incident Management</i>	Development	Development	Development			Institutionalized	0%	
	<b>Legend:</b>							
	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						



# Innovations of Interest

Stakeholder Report

*Spring 2018*

*EDC-5 (2019-2020)*



U.S. Department of Transportation  
Federal Highway Administration



# EDC-5 Innovations of Interest

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Making Rural Roads Safer: Reducing Roadway Departures

Safe Transportation for Every Pedestrian (STEP) 2.0

Use of Crowdsourcing to Advance Operations

Weather-Responsive Traffic and Maintenance Management Strategies

Project Bundling



# EDC-5 Innovations of Interest

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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