



New Jersey State Transportation Innovation Council

www.njdottechtransfer.net/nj-stic

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NJ STIC Communications Plan



Purpose of Communications Plan

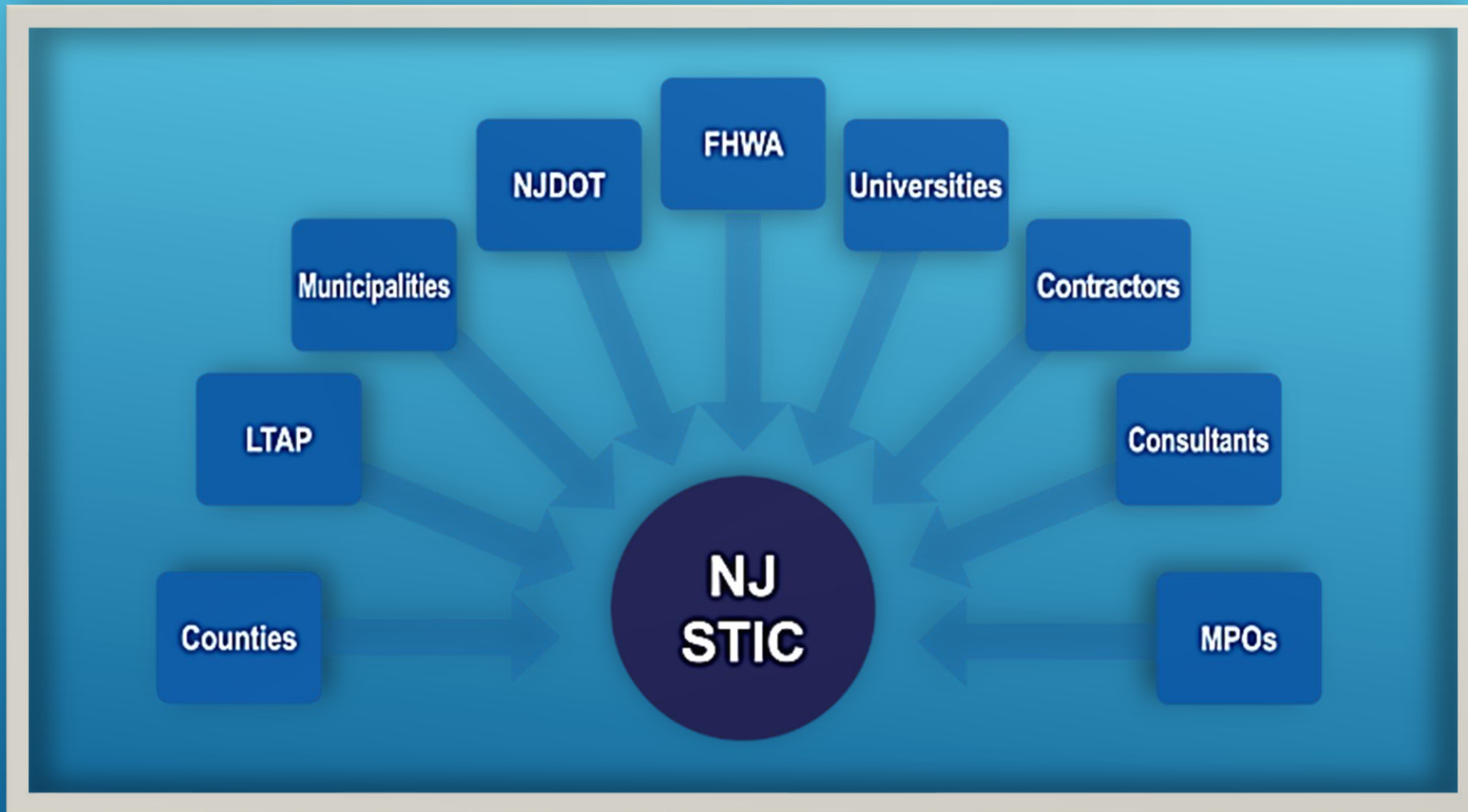
MISSION

...foster a culture favorable to exploring and advancing innovations in transportation

...improve effectiveness of NJ STIC through continuing communications and engagement with STIC stakeholders...



Audience



NJ STIC Membership

Identifying Innovative Practices



STIC Meetings Featured Presentations

PAVEMENT PRESERVATION ON HIGH TRAFFIC VOLUME ROADWAYS – WHEN, WHERE & HOW?

NJ State Transportation Innovation Council (STIC)
Summer Meeting, June 13, 2018

FEATURE LOCAL PRESENTATION:

EDC INNOVATIONS - THE LOCAL PERSPECTIVE

Princeton
Deanna Stockton
Municipal Engineer

Deanna is joined by:

Joe Ettore, Monmouth Co.
Vince Cardone, Monmouth Co.
Dan Burke, Jackson Township
Clint Dickson, Fanwood/Garwood
Heather Vitz-Del Rio, Wayne Township

STIC **EDC**

State Transportation Innovation Councils

FEATURE PRESENTATION:
MPO IMPLEMENTATION
OF
VIRTUAL PUBLIC INVOLVEMENT

South Jersey Transportation Planning Organization | **NJTPA** NORTH JERSEY TRANSPORTATION PLANNING AUTHORITY | Delaware Valley Regional Planning Commission

Identifying Innovative Practices



- Innovative Initiatives Survey
- Key Informant Interviews
- EDC – Semi-Annual Progress Reports
- NJDOT Innovative Ideas Database
- NJDOT Tech Transfer Quarterly Meetings
- Research Showcase
- Tech Talks!



Innovative Initiatives Survey

We request your assistance in identifying examples of successful implementation of Every Day Counts (EDC) initiatives and other innovative practices in transportation. Please complete a 10-15 minute survey here: [New Jersey STIC Innovative Initiatives](#)



Accelerating Innovation through Communications Toolbox

NJDOT Technology Transfer Website – NJ STIC:
<https://www.njdottechtransfer.net/nj-stic/>

Accelerating Innovation through Communications Toolbox



WEBINAR
LUNCHTIME TECH TALK!
**What Happens Now?
Virtual Public Engagement
During and Beyond COVID-19**
Wed, October 6, 2021
12:00 - 1:30 PM

WEBINAR LUNCHTIME TECH TALK!
**Automating the Traffic Signal Performance Measures
for NJDOT Adaptive Traffic Signal Control Systems**
Tuesday, June 29, 2021 | 12:00 - 1:15 PM

LUNCHTIME TECH TALK — EDC-5: Weather-Responsive Management Strategies

Due to COVID-19, this event will now be held as a WEBINAR on the same date and time.

Tuesday, April 14, 2020 | Time: 12:00 - 1:30 PM

Lunchtime and Other Tech Talks!
Webinars

Accelerating Innovation through Communications Toolbox



March 2021 Issue

NJDOT Tech Transfer News

Calling All Innovators!!

The 2021 Build a Better Mousetrap Competition Has Begun!

New Jersey's [Build a Better Mousetrap Competition](#) provides a great opportunity to share new ideas with others in the state and across the country. We are looking for submissions from employees of local or state public agencies (municipalities, counties, parks commissions, NJ Department of Transportation, NJ TRANSIT) that have developed new solutions to problems or found better ways of doing things. We will gather the best ideas from around the state and judge them using a 5-point rating system.

Read [more](#) about the 2021 BABM winners (and see the video!) and learn about winners from years past.



BUREAU of RESEARCH NJDOT Technology Transfer

Home NJ STIC Tech Talk! Share Your Ideas Research Library Resources Calendars

NJDOT Safety Countermeasures Training and Education Videos

NJDOT developed these six videos to train and educate viewers on the design features and safety benefits of FHWA's Proven Safety Countermeasures that improve pedestrian safety.

[CLICK TO VIEW ALL SIX VIDEOS](#)



www.njdottechtransfer.net/nj-stic/nj-stic-communications-plan/



Every Day Counts
a Nation on the Move



CENTER FOR
**ACCELERATING
INNOVATION**



Let's Go!

Accelerating Innovation Through Teamwork

Module 1:

The Why & the What

Module 2:

The Who & the Where

Module 3:

Validation of the Why

Module 4:

The How & “Uh oh, now what?”

COURSE OVERVIEW



Succession Planning



Strategic Workforce Development



3D Project Delivery



e-Ticketing and Digital As-Builts

Step 1: Strengths	Type 5 Weaknesses of the team in this column.	Step 3: Opportunities	Step 4: Threats
Type 5 Strengths of the team in this column.	Type 5 Weaknesses of the team in this column.	Type 5 Opportunities in this column.	Type 5 Threats in this column.
S1: diversity; levels of expertise	W1: Sarah's election loss may have left her with resentments or lost confidence.	O1: The Mayor might provide a free conference room for the party.	T1: There is a scheduling conflict on Oct 31st.
S2: unique perspective- globally/stance of retirement	W2: Nancy and Rachel's strained relationship could get in the way of teamwork.	O2:	T2:
S3: Encouraging, fair share of contributions	W3: Having two strong leaders on the team may lead to clashes.	O3:	T3:
S4: Access to an Asstt Commis for leadership; great asset for group	W4: Sue's familiarity with Terry might lead her to believe she's the only one with good ideas.	O4:	T4:
S5: Variety of ppl from diff levels	W5: Doesn't look like we have any young adults on the Team--may make it harder for us to attract that.	O5:	T5:
S6: Institutional Knowledge			
S7:			
Who has a skill or experience with completing the mission?	Discussion Prompts: Given the mission, what weaknesses exist? Are there skills or experience missing among the team members? How diverse are team members thought? Note: Homogeneous thought is not productive towards creating an innovative space!	Discussion Prompts: What opportunities do we know about that could help support or achieve the mission? Does a team member have an advantage to seizing the opportunity? [add this as a strength]	Discussion Prompts: What could derail us before the mission is complete? Does a team member have a skill or talent to combat the threat? [add this as a strength] What could help us overcome a threat? [add this as an opportunity]

- ▶ Assisted the 3D Project Delivery team with **focusing their vision**
- ▶ 3D team **meeting regularly** and plans to pilot a project
- ▶ Succession planning team re-establishing NJDOT-wide **mentoring program**

WORKSHOP OUTCOMES



Let's Go!

Accelerating Innovation Through Teamwork

NJDOT

**Unmanned Aerial
Systems Program**





NJDOT UAS Program

From Inception to Practice

2016
Program
Inception



2017 FHWA
STIC
Incentive
Grant \$48k

2017 FHWA SPR
Sponsored
Research
Project

2017
NJDOT UAS
Peer
Exchange

2018
FHWA UAS
Peer
Exchange

2018 FHWA
EDC-5
Implementation
Team

2018 AASHTO
President's
Transportation
Award

2019 FHWA
STIC
Incentive
Grant \$98k

FY2020 NJDOT
Capital
Program Line
Item \$500k

2021 UAS
Training
Program

Coming
Soon: UAS
Strategic
Plan



UAS TRAINING PROGRAM

Three phases:

- ▶ FAA Certification
- ▶ Best Practices & Practical Training
- ▶ Proficiency & Mission Specific Training



Night UAS Operations
Ground Training Course



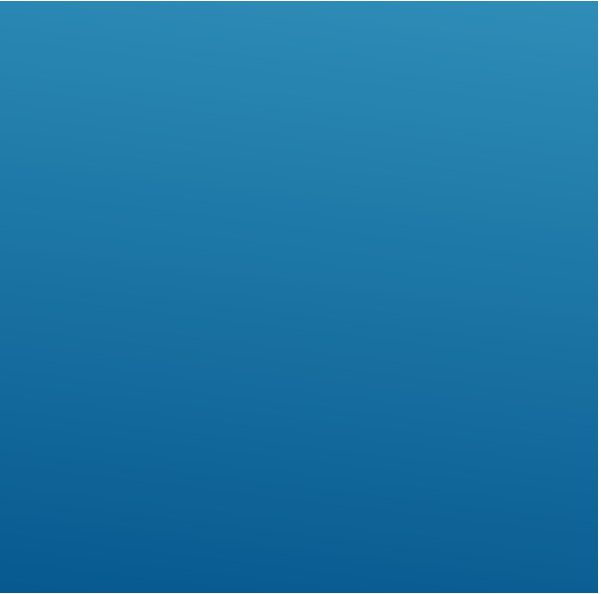
New Jersey Department of Transportation
Bureau of Aeronautics
UAS Program





- ▶ NJDOT was a **national leader** with one of the most diverse UAS programs in the country
- ▶ Drones are used for **many facets** of Department business
- ▶ Successes are straightforward and can be documented in **real-time**

ADVANCING A CULTURE OF
INNOVATION



INSPECTIONS





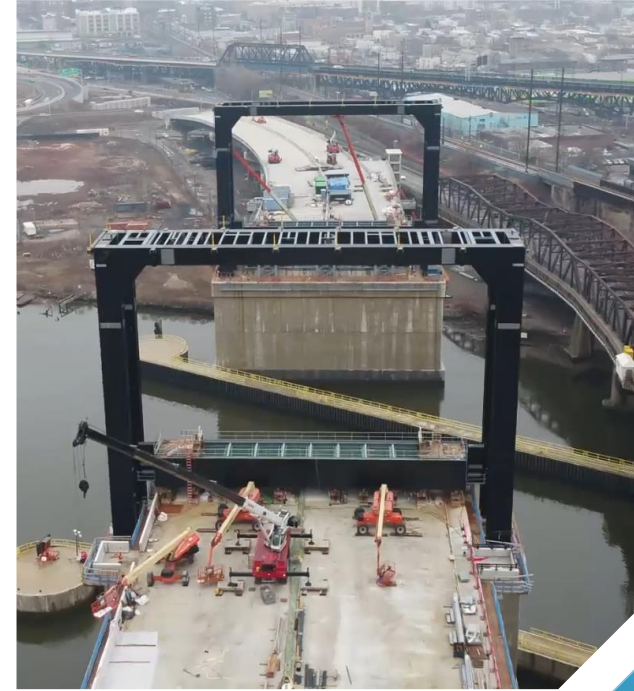
ENVIRONMENTAL MANAGEMENT

FEMA commended
NJDOT Maritime for
their quality
supplemental drone
footage



ROCKFALL MITIGATION





REAL-TIME CONSTRUCTION MONITORING & TRAFFIC MONITORING



NewJerseyDOT

510 subscribers • 75 videos
The primary mission of the New Jersey Department of Transportation is to pro multi-modal ...

Latest from NewJerseyDOT



Route 322 at Raccoon Creek Retaining Wall Repair
29 views • 2 days ago

NewJerseyDOT

Recently, a retaining wall on Rt 322 at Raccoon Creek in Mullica Hill, located bet
New



Highway Sign Installation

71 views • 2 weeks ago

NewJerseyDOT

Installing a road sign isn't easy work. There are many factors to be aware of wh



COMMUNICATIONS



TRAFFIC OPERATIONS



DRONE TECHNOLOGY



AT NJDOT

<https://www.njdottechtransfer.net/2019/11/04/drone-tech/>



THANK YOU!

www.NJDOTtechtransfer.net/NJ-STIC
(609)963-2242 – Bureau of Research