# American Association of State Highway and Transportation Officials

**AASHTO**

**Transportation Vanguard Award Nomination Form**

**2018**

## INFORMATION ON NOMINEE:

<table>
<thead>
<tr>
<th>Last Name:</th>
<th>Ciparelli</th>
<th>First Name:</th>
<th>Gregory</th>
<th>Date:</th>
<th>August 3, 2018</th>
</tr>
</thead>
</table>

**Email:** Gregory.Ciparelli@ct.gov  
**Position Title:** Transportation Planner 2  
**Department:** Connecticut Department of Transportation  
**Phone:** 860-594-2113

**Street Address:**  
2800 Berlin Turnpike  
**City:** Newington  
**State:** CT  
**Zipcode:** 06131

**AASHTO Committee Membership (optional)** Click here to enter text.

## NOMINATOR INFORMATION:

<table>
<thead>
<tr>
<th>Last Name:</th>
<th>Cabelus</th>
<th>First Name:</th>
<th>Robbin</th>
<th>Date:</th>
<th>August 1, 2018</th>
</tr>
</thead>
</table>

**Email:** Robbin.Cabelus@ct.gov  
**Position Title:** Transportation Planning Director  
**Department:** Transportation  
**Phone:** 860-594-2051

**Street Address:** 2800 Berlin Turnpike  
**City:** Newington  
**State:** CT  
**Zipcode:** 06131

**Endorsement of Member Department Secretary/Director:**  

![Signature]

## INSTRUCTIONS:

Using a maximum of 2 additional single-sided pages, please provide reasoning as to why this individual should be selected as the Transportation Vanguard Award recipient. Please include as much specific information about the candidate as possible, including special projects, personal attributes, dedication, etc.

Send nominations by Friday August 17, 2018, via e-mail to pngethe@aashto.org. Nominations must be submitted as a single file in MS Word format using **TVA2018_Nomination_Nominee_Name.doc** as the file name.
We would like to take this opportunity to nominate CTDOT Transportation Planner Greg Ciparelli for the 2018 AASHTO Transportation Vanguard Award. Greg has 14 years’ experience working in the Bureau of Policy and Planning for CTDOT and is responsible for oversight and management of the Department’s authoritative roadway file as well as all required FHWA reporting requirements for ARNOLD and HPMS. Greg’s drive, dedication, creativity and imagination have taken him to cutting edge applications that go far beyond the day to day management of these core functions. Greg has both initiated and been highly involved in the following Departmental innovative technology initiatives:

- Design and deployment in concert with the UCONN Transportation Safety Research Center (TSRC) of a comprehensive assessment tool capable of documenting/tracking the status of the Department’s compliance with MIRE requirements, HPMS and HSM data. The data gathered for this tool was able to identify business requirements for development of the State’s safety analysis tool but also provide a framework for a MIRE compliance strategic plan requirement.

- As a result of Greg’s leadership, CT is one of the first States in the country to have developed an intersection inventory data collection tool. Working in concert with the UCONN TSRC, intersections were defined and identified for data gathering. The interactive visually enabled tool has made it possible to collect feature data for over 100,000 State to State, State to local, and local to local intersections on the network. This work is so innovative that FHWA asked Greg to present on this effort at peer exchanges around the country as well as at AASHTO’s 2018 GIS-T conference in Little Rock. Greg recently presented on this tool at the 2018 ATSiP Forum in Milwaukee and has received numerous requests for assistance.

- In addition, Greg has served as the point person and technical lead in the development of a new MIRE compliant roadway and asset field data collection tool. This tool will link to the Department’s LRS and GIS features, be able to offer multiple ways to observe and collect new roadway and asset features in the field, and allow for almost real time back end updates to the Department’s official roadway and asset inventories.

- FHWA has most recently requested that Greg serve as a State lead in a pilot study to develop guidance documents for the collection of non-State owned roadway and asset information. This effort will explore a number of technology options that can be used to improve the quality and timeliness of local data collection.

- Greg has been a remarkable participant and contributor to the Department’s efforts to build an enterprise wide transportation data system; his efforts to assure the smooth transition of roadway network data to form the backbone of the GIS system that supports this data have been critical to the success achieved thus far in standing up this system for access to internal users. CTDOT is one of the few Departments in the country to not only apply the FHWA safety business planning model to safety analysis but also to other core DOT functions.

- Greg has also been instrumental in introducing innovative information gathering technologies to his colleagues in the following ways:
  - Through his efforts, camera recording technology has now been introduced to our field data collection efforts. This will enable asset data stewards the opportunity to apply new quality control techniques to existing inventories.
- Greg has also researched and introduced a new image capture technology known as Mapillary to the Department; with this application and machine intelligence, the Department will be able to locate, extract, and update asset information that can be geo located back to the roadway network.

- We would like to finally note that Greg has been recognized by FHWA as one of a small group of national technical leaders breaking new ground in the area of roadway safety data collection, management, and analysis and reporting. His services are in constant demand as a key presenter for FHWA sponsored Peer Exchanges in this area.

- Greg’s commitment to excellence, insatiable curiosity in new forms of business intelligence coupled with his willingness to help colleagues find pragmatic and useful solutions are considered exceptional within the Department. Coupled with his excellent communication and collaboration skills, he provides the CTDOT with an invaluable resource with which to confidently move forward with new cross cutting tools and technologies that continue to add value to its missions and core functions.

- Greg also serves as the Department’s EDC coordinator for FHWA and works collaboratively across all Bureaus to spotlight and share new innovations.