



Transportation Vanguard Award Nomination Form

2014

INFORMATION ON NOMINEE:

Last Name: Smith	First Name: Stephen	Date: September 24, 2014	
Email: Stephen.smith@state.vt.us		Position Title: GIS project Supervisor	
Department: VTrans- Rail		Phone: 802-828-5379	
Street Address: 1 National Life Drive	City: Montpelier	State: VT	Zipcode: 05633
AASHTO Committee Membership (optional) Click here to enter text.			

NOMINATOR INFORMATION:

Last Name: Delabruere	First Name: Dan	Date: September 24, 2014	
Email: Daniel.delabruere@state.vt.us		Position Title: Rail Program Director	
Department: VTrans - Rail		Phone: 802-828-1331	
Street Address: 1 National Life Drive	City: Montpelier	State: VT	Zipcode: 05633
Endorsement of Member Department Secretary/Director: <i>Endorsed by Brian Searles, VT on 9/30/14</i> Chris Cole, Director of Policy Planning and Intermodal Development			

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, September 26, 2014**, via e-mail to mvitale@ashto.org. Nominations must be submitted as a single file in MS Word format using ***TVA2014_Nomination_Nominee_Name.doc*** as the file name.

Stephen Smith is an energetic young man that truly enjoys being creative. Since joining the Vermont Agency of Transportation (VTrans) in 2012, he has worked tirelessly to develop an industry-leading spatial management system (SMS), which other state agencies are now emulating. Stephen's SMS has organized old and new data into an asset management system that is very powerful and easy to use.

Stephen's SMS incorporates 20 years' worth of rail asset and operational conditions data, now available to field staff to carry on inspections and other field work. The SMS has also been designed to allow staff to enter inputs directly from the field. This makes real time data available to agency staff and the general public as they can simply go to agency's website and view/map data, such as the condition of rail, structures, and crossings. Additionally, local governments, utilities, and entities can view rail assets and their condition, thereby streamlining planning, design and construction. The general public can view information on property boundaries, and view planned projects in their area.

VTrans' rail section is now managing all rail projects using the SMS. This includes keeping track of all capital budget items by mapping them, thereby tracking expenditures. Agency staff and the general public can go to a specific location on a map, click on it and it will show all past, current and future projects, and the budgets that are tied to that location.

The Agency is using the SMS for capital planning, project prioritization, and applying for federal grants. Because all assets are mapped with embedded asset data, it is easy to determine the existing conditions and develop need assessments. We are able to present the big picture showing past investments and how they relate to current needs.

The SMS is also used extensively for public outreach activities. Real-time data and map access allow agency staff to display relevant information about projects and answer questions in public meetings. Project and property managers can create their own maps and displays on-site.

Stephen's forward thinking and innovative system designs have led to other agency divisions and the private sector consulting Stephen for their own spatial systems. The agency's rail section is considered a leader in spatial data management systems. Stephen continually strives to come up with new and innovative ways to improve data and asset systems, and has now started to train other divisions on data systems. He is truly a team player and deserves to be recognized.

Stephen is an excellent candidate for the AASHTO Transportation Vanguard Award.

VTrans Spatial Management System: Asset Inventory and Public Information

