




# Transportation Vanguard Award 2020 Nomination Form

## Who is being nominated?

Last Name: Pavey		First Name: Andrew		Date: September 11, 2020	
Email: Andrew.pavey@alaska.gov			Position Title: Statewide Pavement Management Engineer		
Department: Alaska Department of Transportation & Public Facilities				Phone: 907 269 6213	
Street Address: 5800 East Tutor Rd		City: Anchorage	State: AK	Zip code: 99507	
AASHTO Committee Membership (optional): AASHTO Committee on Materials and Pavements					

## Who is nominating this person?

Last Name: Morehouse		First Name: Carolyn		Date: September 11, 2020	
Email: Carolyn.morehouse@alaska.gov			Position Title: Chief Engineer		
Department: Alaska Department of Transportation & Public Facilities				Phone: 907 465 6958	
Street Address: 3132 Channel Dr		City: Juneau	State: AK	Zip code: 99801	
Endorsement of Member Department Secretary/Director (signature):  Commissioner John MacKinnon					

### Instructions:

Using a maximum of 2 additional single-sided pages, please explain why this individual should be selected as the 2020 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 **September 30, 2020**, via e-mail to [jdawkins@ashto.org](mailto:jdawkins@ashto.org). Nominations must be submitted as a **single file** in Microsoft Word format using **TVA2020\_LastName\_FirstName.doc** as the file name.

It is my pleasure to nominate Mr. Andrew Pavey for AASHTO's Transportation Vanguard Award (TVA). Mr. Pavey has been instrumental in creating Alaska's Pavement Asset Management program, testing new pavement treatments, and using GIS for multiple applications. Not only has Drew implemented Alaska's first Pavement Management System and modeling configuration, he has promoted the use of new pavement preservation techniques throughout Alaska where extreme conditions and significant use of studded tires test the limits of road resiliency. He is a leader in the department and well-respected by all.

Drew started his career during college as a materials laboratory technician for the department's Central Region. This region includes Anchorage, Matanuska-Susitna Valley, and the Kenai Peninsula, and is the most populated region in Alaska. During his time there, he created the first GIS database to map all material testing data in that region. It was so successful that it became a statewide effort. It was not part of his job but, knowing how important GIS was to the department, he trained many field geologists on how to use ArcMap, GPS instruments, and other geotechnical software. Drew also used his ArcGIS knowledge and expertise to help collect field data of bluff erosion rates for a major project design and overlaying wet lands, land ownership, including native allotments and USF&W boundaries, geological features, along with creeks and drainages. This is common practice in most DOTs, but Drew was the first to implement these practices for Alaska DOT.

The Anchorage-area geology produces "softer aggregates". These soft aggregates, coupled with high traffic volumes and vehicles with studded tires, cause a significant rutting problem on the roadways. Certain roads experience a half inch of rutting within five years of paving. To illustrate the problem areas, Mr. Pavey, using GIS, mapped pavement condition data and has been instrumental in forecasting conditions that require treatment. This critical insight has been helpful for policymakers and regional managers to fund the right treatments at the right time.

Drew has also worked on numerous research projects aimed at innovative treatments to combat rutting. Through Drew's efforts, Alaska has introduced micro surfacing, using slurry seals, different types of aggregates, concrete, and many others. These may seem like standard treatments in other states, but are innovative in Alaska where we have limited products, a harsh environment, and studded tires. His contributions to this department are too numerous to list and are rarely highlighted. He continually develops new processes and is innovative in providing service. He works diligently to improve our infrastructure to Keep Alaska Moving.

I highly recommend AASHTO select Drew Pavey for this award.

Regards,

Carolyn Morehouse