

**ALASKA STATE LEGISLATURE
SENATE TRANSPORTATION STANDING COMMITTEE**

March 10, 2005

1:32 p.m.

MEMBERS PRESENT

Senator Charlie Huggins, Chair
Senator John Cowdery, Vice Chair
Senator Hollis French

MEMBERS ABSENT

Senator Gene Therriault
Senator Albert Kookesh

COMMITTEE CALENDAR

Overview Presentation:
Pavement Rutting Research Grant Program
Automated Bridge Anti-Icing

PREVIOUS COMMITTEE ACTION

WITNESS REGISTER

Mr. Jerry DesJarlais
DesJarlais Construction
POSITION STATEMENT: Delivered overview presentation

Mr. Jack Hayden
DesJarlais Construction
POSITION STATEMENT: Delivered overview presentation

Mr. Michael St. Angelo
Department of Transportation & Public Facilities
Research Division
3132 Channel Dr.
Juneau, AK 99801-7898
POSITION STATEMENT: Commented on the overview

Mr. Frank Richards
No address provided
POSITION STATEMENT: Commented on the overview

ACTION NARRATIVE

CHAIR CHARLIE HUGGINS called the Senate Transportation Standing Committee meeting to order at [1:32:51 PM](#). Present were Senator Hollis French and Chair Charlie Huggins.

The following is an overview Powerpoint presentation by Mr. Jerry DesJarlais.

Overview Presentation: Pavement Rutting

[1:35:50 PM](#)

Mr. Jerry DesJarlais began the Powerpoint slide presentation.

[1:37:46 PM](#)

Research program dedicated to developing.
Shooting for 10 yrs life out of pavement.

[1:38:34 PM](#)

Problem is rutting:
Premature failure
Safety
Cost
Public inconvenience

[1:40:36 PM](#)

Objectives:
Identify the main causes of rutting
Identify candidate pavement material

[1:43:55 PM](#)

Open forum between the committee members and the gallery.

Continuation of slide presentation: [2:05:52 PM](#).

Scope:

Review previous work done by AKDOT/PF
Solicit data from other states
Identify causes of rutting
Test to identify rut resistant pavement material
Analyze data to develop appropriate pavement section materials.

Deliverables:

Final Report

Budget/Time frame

\$200,000
2 years

The slide presentation concluded at [2:09:32 PM](#). This marks the beginning of an open forum question and answer period between the committee members and distinct members of the gallery.

The open forum concluded at [2:25:57 PM](#).

Overview Presentation: Anti-Icing

[2:26:01 PM](#)

The following is an overview presentation on Anti-Icing presented by Mr. Jerry DesJarlais.

What is Anti-Icing?

"The snow and ice-control practice of preventing the formation or development of bonded snow and ice by timely applications of a chemical freezing-point depressant."

[2:28:08 PM](#)

Automation of anti-icing
Early detection
Fixed Automated Spray Technology (FAST)

Why to Spray? Safety!
Bridges freeze first
Maintenance
Accident reduction

Minnesota Bridge Project
I-35W & Mississippi River

[2:31:45 PM](#)

Ontario Canada
Before Boschung installation 14 accidents
After Boschung installation zero accidents
Pennsylvania
9 Boschung bridge installations
Zero accidents since installations

[2:33:13 PM](#)

FAST technology concept
FAST system theory of operation

[2:37:00 PM](#)

Schematic representation of a Peltier Pump
Data interpretation
25 years of experience
Systems operate with any chemical

[2:49:21 PM](#)

An environmental debate was held between the committee members and distinct members of the gallery.

Continuation of slide presentation occurred at [2:55:39 PM](#).

Anti-Icing sprayers

[2:59:50 PM](#)

Mobile vs. Fixed
Surface temperature management

The presentation concluded at [3:00:59 PM](#).

[3:03:32 PM](#)

Mr. Jack Hayden delivered a Powerpoint slide presentation updating the committee on the Alaska Department of Transportation's response to anti-icing of the highways.

[3:05:28 PM](#)

In deck sensor
Temperature
Freeze point
RWIS systems

[3:09:10 PM](#)

CARS: Travel conditions input
511.Alaska.gov website
Communications to the public

[3:10:46 PM](#)

There being no further business to come before the committee, Chair Huggins adjourned the meeting at [3:11:59 PM](#).

NOTE: The meeting was recorded and log notes were taken. A copy of the recording and log notes may be obtained by contacting the

Senate Records Office at State Capitol, Room 3, Juneau, Alaska 99801 (mailing address), (907) 465-2870, and after adjournment of the second session of the Twenty-Fourth Alaska State Legislature this information may be obtained by contacting the Legislative Reference Library at (907) 465-3808.