



# **Alaska Department of Transportation & Public Facilities**

## **ITS Projects**

Lisa Idell-Sassi

10/20/2015



# DOT&PF - ITS Projects

## ***RECAP:***

- Statewide M&O – MDSS (Dan Schacher / Ocie Adams)
- CR - Val Rader / Traffic Signal operations and Bluetooth technology
- Jennifer Anderson – WIM (Headquarters/Program Development)



# Headquarters/ISSD

- 511 Traveler Information
- Road Weather Information System (RWIS)
- AKIA (Alaska Iways (ITS) Architecture) Update





# Headquarters/ISSD

## 511 Traveler Information

APPS & REAL-TIME INFO – *WE'RE TRYING!*

Over the last year

- Android App
  - 2013 - iOS App
- SMS / Email via GovDelivery



# 511 - Social Media

**TWITTER - @alaska511**

**Alaska 511 Traveler Information**  
Government Organization

5,660 likes · 23 this week  
Rodel Hernandez and Tammy Cooke

2,925 post reach this week

View Pages Feed  
See posts from other Pages

Invite friends to like this Page

**Want More Phone Calls?**  
Get people near Alaska 511 Traveler Information to call (866) 282-7577 today.  
[Promote Local Business](#)

**ABOUT**  
3132 Channel Dr

**Status**  
Write something...

**Alaska 511 Traveler Information**  
Published by 511 RIDE Alerts [?] · 4 hrs ·

Road conditions for PETERSVILLE ROAD from KROTO CREEK to PETERS CREEK  
Very Difficult Driving Conditions  
Cloudy, Snow on roadway, Road surface in poor condition, Travel is not advised, Slippery road surface, Reduce your speed, Drive with headlights on, Be prepared for winter driving  
Last Updated: 10/07/15 10:12

20 people reached

Like Comment Share

**FACEBOOK - Alaska511**

**Alaska 511**  
@alaska511

TWEETS 10K FOLLOWING 27 FOLLOWERS 1,749

**Trends · Change**

**#GBBOFinal**  
The Great British Bake Off final: Ian, Nadiya or Tamal... who will...  
170K Tweets about this trend

**Matt Barnes**  
Report: Matt Barnes attacked Derek Fisher for dating his ex-wife  
40.9K Tweets about this trend

**#DoctorFoster**  
BBC One's gripping Doctor Foster ends tonight: Will Gemma get revenge?  
22.1K Tweets about this trend

**#NorthernLights**  
The chances of seeing the aurora borealis in the UK increases

**What's happening?**

**APD Public Info. @APDInfo · 10m**  
Rabbit Creek Elementary Evacuated Due to Gas Leak [nixle.us/8RYXW](http://nixle.us/8RYXW)

**AK511 Anchorage @AK511\_Anchorage · 1h**  
Emergency maintenance on Northbound GLENN HIGHWAY from FORT RICH GLENN NB ON RAMP to GLENN NB - EAGLE RIVER LOOP OFF RAMP  
Slow traffic...

**Alaska 511 @alaska511 · 1h**  
Emergency maintenance on Northbound GLENN HIGHWAY from FORT RICH GLENN NB ON RAMP to GLENN NB - EAGLE RIVER LOOP OFF RAMP  
Slow traffic...

**Alaska DOT&PF @AlaskaDOTPF · 1h**  
**#GlennHighway** Drivers: DOT&PF Maintenance is patching potholes near ER/weigh station right now. Crews are working as quickly as they can.



# 511 website and phone

Sept. 2015 - Completed a year of marketing and public outreach - Radio ads and short videos

- Videos won first place at the 2015 AASHTO TransComm awards
- Contracted with Yuit Communications
- Total contract was for \$95,000
- Will continue outreach and marketing using federal funds
- ***Future:*** M&O video on **how** they enter into 511





# 511 website and phone

- Sept. 2015 - added APD Nixle integration for Glenn and Seward Highways
  - Will appear as a floodgate
  - Go out via texts/emails to GovDelivery subscribers (have to subscribe to those highways first!)
  - Go out to the phone, Facebook / Twitter automatically
  - Add Minnesota Drive after soft launch review



# Road Weather Information System

## Updates Coming:

Roadweather.alaska.gov

- Will be upgrading the Website
  - Upgrading to ESRI GIS interface





# Road Weather Information System

## RWIS - Camera - TDP Area & Corridor Maps

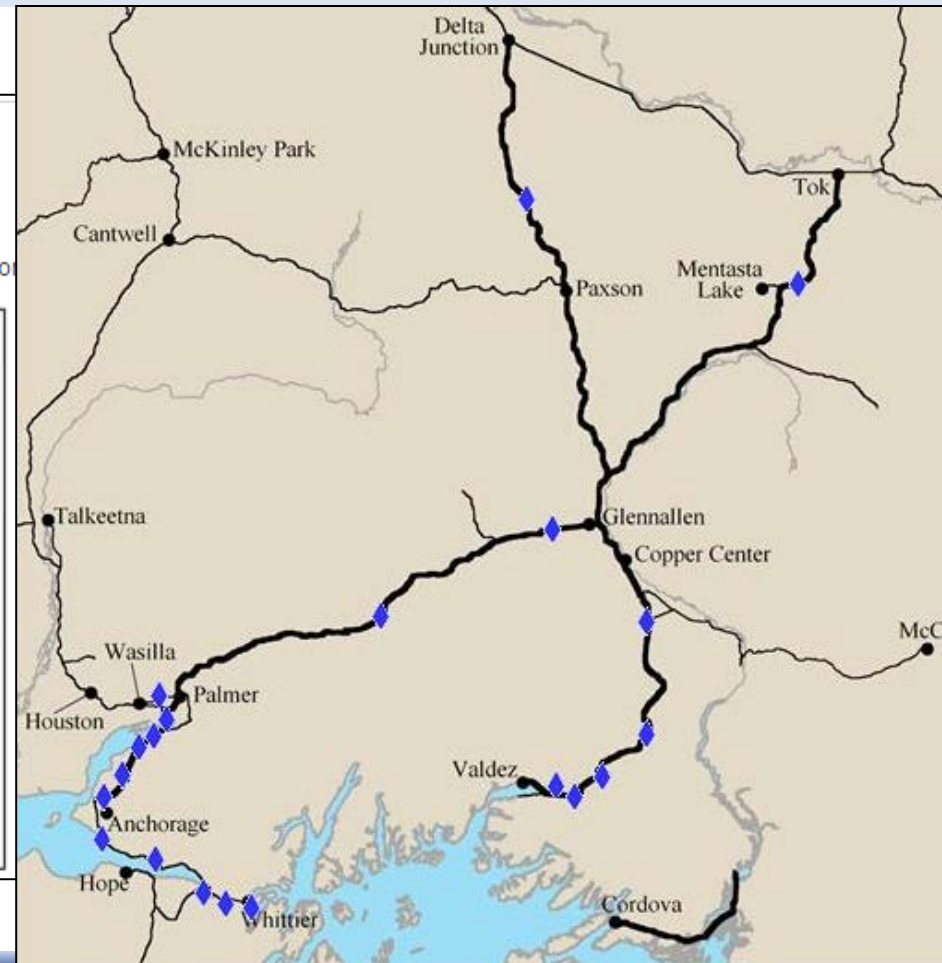
Place your mouse over the name of an area map or a corridor map to highlight.  
Click the name of the area or corridor map to go to the selection page for that area or corridor.

### Area Maps

*Greater Anchorage Area*  
*Greater Fairbanks Area*  
*Greater Juneau Area*  
*Kodiak Island*

### Corridor Maps

*Anchorage - Delta Jct - Tok - Valdez*  
*Anchorage - Fairbanks*  
*Anchorage - Homer*  
*Fairbanks - US/Canada Border*  
*Fairbanks - Prudhoe Bay*  
*Southeast Alaska*





# Road Weather Information System

Now: replacing Failed Temperature Data Probes and Pavement Sensors

Now: adding Infrared Illuminators (25 of them!)

RWIS RFP forthcoming in a few months(?)

- Cover maintenance and operations of our existing and future sites
- Upgrade / replace failed sensors/communication equipment



# Road Weather Information System

## **RWIS Power Modules – 6 Remote Sites**

- DOT&PF Research Project - alternative power supply
  - Propane Generators not working well for long periods of time.
  - Fuel cell is too expensive to purchase and then maintain for long periods of time
  - Do prototype based on FAA's model for remote sites





# AKIA Update

## Alaska Iways Architecture (AKIA) Update

- Started last fall 2014
- Estimated total for project around \$180,000
- Parson Brinckerhoff - Contractor
- Conducted the stakeholder review
- Just approved the Recommendations Plan
- Start working on starting the ITS architecture update
- Will also help us with updating [Iways.alaska.gov](http://Iways.alaska.gov)
- Outreach and training to State users of architecture
- No in person meetings – all being done via web/phone



# Northern Region Traffic

## **NR Traffic Signal Interconnect System (in process)**

- Airport Way / Peger Road
- Adding one PTZ Camera at each signalized intersections
- Connected to the NR traffic center via fiber optic interconnect along Airport Way.

**DOT&PF Contacts:**

**Pamela Golden or Carl Heim**



# Search the STIP!

DOT&PF > Program Development > Capital Improvement Program > STIP

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## Welcome to the Alaska DOT&PF STIP

The Alaska Statewide Transportation Improvement Program (STIP) is the state's four-year program for transportation system preservation and development. It includes interstate, state and some local highways, bridges, ferries and public transportation, but does not include airports or non-ferry-related ports and harbors. It covers all system improvements for which partial or full federal funding is approved and that are expected to take place during the four-year duration of the STIP.



[2012-2015 STIP - Official Copy](#) (7MB)

## STIP News, Highlights & Events

### **2012-2015 STIP Amendment 16**

*Incorporated August 25, 2015*

### **2016-2019 Draft STIP (Original)**

#### **Public Comment Period Closed**

*closed August 27, 2015 at 5:00PM AST*

**NEW** [Draft STIP Project View Map](#)

### **STIP Project Viewer**

Use an interactive map to view and get details on current

[dot.alaska.gov/stip](http://dot.alaska.gov/stip)





## Contact info:

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