



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

FACEBOOK - Alaska511



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

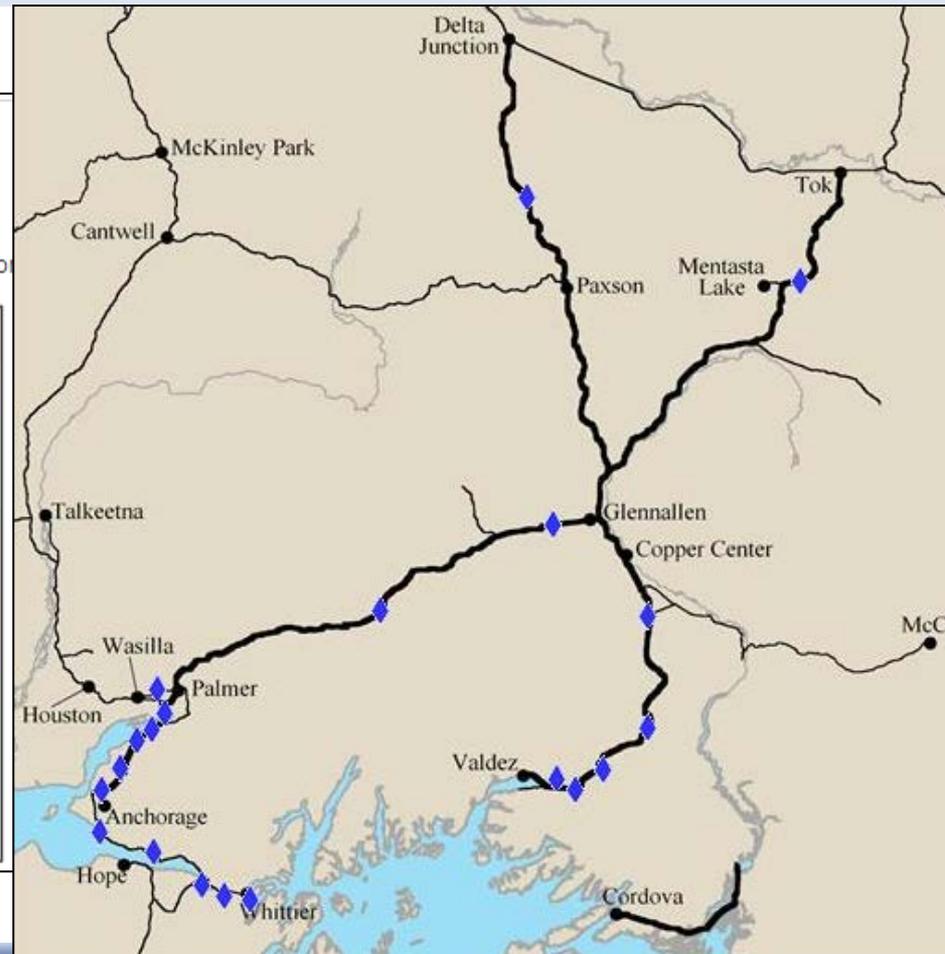
Place your mouse over the name of an area map or a corridor map to highlight.
 Click the name of the area or corridor map to go to the selection page for that area or corridor

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
- 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](#) (TMB)

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



Contact info:

ITS Coordinator/511 Manager/RWIS Support
DOT&PF / Information Systems & Services Div.

Juneau

Lisa Idell-Sassi

lisa.idell-sassi@alaska.gov

907-465-8952