Alaska Communities at Risk
Science Panel
Alaska Forum on the Environment

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- Over 14,000 Miles of Public Roadway
- Over 5,600 Miles of State owned road
- 845 Bridges
- 257 Rural Airports
- 28 Harbors
- 720 Buildings (DOT owned or managed)
ADOT/PF – Maintenance and Operations

- Over 1150 M&O Employees Statewide
- 80 Maintenance Stations
- Over 150 Rural Airport Contractors
- 3899 Pieces of Equipment
- $125M Operating Budget
- $15M Federal PM Program
- $3-20M Deferred Maintenance
- Currently spend approximately $10M combating warming and melting Permafrost
Potential Climate Change Impacts

- Melting/Warming permafrost
- Increased storm frequencies and intensity
- Increased Coastal erosion due to lack of sea-ice
- Increased river and shore erosion
- Sea-level rise
- Increasing temperatures
What is ADOT & PF Doing Now

• Shoreline Protection
• Relocation
• Evacuation Routes/Shelters
• Flood Mitigation
• Drainage Improvements
• Permafrost Protection
Newtok Relocation
ADOT/PF’s Involvement

- Designed and constructed new barge landing facility
- Working with the USACE on road design and permitting
- Purchasing all road materials for the IRT
- Will oversee road construction this summer
- Overseeing the design and construction of the evacuation shelter (2011)
Modified Barge Landing
The Military Arrives
Barge Landing and Staging Area
IRT Base Camp
The Future
Thank You

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