Our mission is to *Keep Alaska Moving* through service and infrastructure.
Emergency Response Process

• **Initial Response** – Concurrent Action
  ▪ Facility users secured their buildings
  ▪ Establish Command and Control Center
  ▪ Inspections with consultants

• **Secondary Response**
  ▪ Inspections with volunteers
  ▪ Inspections with Public Facilities Staff

DOT&PF Aviation Building
Command and Control Center

Division of Facilities Services
provides for the design, construction, maintenance and care of state facilities

• Immediate Actions
  ▪ Team safety check
  ▪ Established Facilities Response Team, Command and Control Center, 24-hr Operations
    • Support from Anchorage, Fairbanks and Juneau personnel
    • Operations, Safety, Design & Construction disciplines
  ▪ Initial rapid assessments

• Prioritizing Facility Evaluations
  ▪ Based on affected intensity zones – VII, VI, V
  ▪ Beginning with critical facilities in highest zones
  ▪ Occupied and critical facilities prioritized first

USGS Image
https://earthquake.usgs.gov/earthquakes/eventpage/ak20419010/map
Daily engagement with State Facilities Council and Stakeholders to coordinate observations, inspections, testing and immediate safety needs

• Internal Update Briefs
  ▪ Safety Hazards and needed equipment
  ▪ Facility inspection metrics
  ▪ Teams deployment schedule
  ▪ Assistance requirements

• Stakeholder Briefs
  ▪ Daily briefs to State Facilities Council and DOT&PF HQ
  ▪ Reporting on progress and status of inspections
Day of Earthquake

• Governor’s declaration of disaster
• Consultant contracting w/o procurement
• Identify critical facilities for day 1 inspection
  ▪ Occupied 24/7
    • McLaughlin Youth Center
    • Alaska Psychiatric Institute
  ▪ Potentially significant hazard to the public
    • Atwood Building
• Complete day 1 inspections
• Prioritize buildings for inspection the following day
Days After

- Determined priority list
  - Facilities that are occupied 24/7
  - Critical facilities for essential operations
  - Regularly occupied facilities/offices
  - Storage and other unoccupied facilities.
- Assign buildings for inspection
- Coordinate with building owners for access
- Monitor progress
- Prioritize buildings for inspection the following days
Alaskan Volunteers -

Coordination provided by the Structural Engineering Association of Alaska (SEAA) and the Anchorage Chapter of the American Society of Civil Engineers (ASCE-Anchorage)

- California Office of Emergency Services (CalOES) registry used to find volunteers
- SEAA & ASCE contacted DOT&PF and other agencies and offered support for inspection efforts
- 27 in-state volunteers
Out of State Volunteers -
Coordination provided by the Alaska State Division of Homeland Security and Emergency Management and DOT&PF staff

• CalOES registry used to find volunteers, negotiated efforts for volunteers with inter-state agreements
• 4 from California
• 3 from North Carolina

Janos found moose sign
Inspection Outcome

• **Key Stats**
  - 360 buildings in 13 days
    - Consultants: 155
    - Public Facilities Staff: 29
    - Volunteers: 176
  - 27 buildings per day
  - 10 teams in field

• **Outcome**
  - 3 buildings designated “yellow”
    - DFS Annex
    - DOT&PF Aviation Building,
    - DNR Forestry Building
  - Remainder “green”
  - None “red”

DOT&PF Annex Building
When to Respond?

Evaluating Seismic Events

- Local area data spanning 20 years
- Understanding Magnitude & Intensity
- Seismic Event Response Decision Flowchart
  - Authorities consulted
  - USGS Shakemap Background
  - 1964 and 2018 Event Maps
Anchorage Area Earthquakes 1998-2018
Seismic Response Flow Chart

Intensity Determination

Impact Assessment - Community Data / Reports of Damage
LESSONS LEARNED

- Coordinate with Authorities Having Jurisdiction to avoid duplicate inspections
- ATC-20 Training for staff
- Proper PPE, tools and related training
- Personnel On-Call Policy for DFS Staff
LESSONS LEARNED

- Earthquake Response Plan – in place for the next event
  - Process for deciding whether to respond
  - Incident Command Center structure
  - Building Inventory
  - Response personnel roster with contacts
  - Contacts with facility owners for building access and authorization to inspect
  - A/E Firm Contacts – Architects and Structural Engineers
  - Outreach plan for out of state support
  - Policies related to asbestos exposure
Questions and Comments?