

## Dalton Highway Excursion

### *Tuesday, August 1*

#### **Group 1**

- 11:30 AM Depart Utqiagvik on Wright Air scheduled flight (check in 90 minutes before flight)
- 1:00 PM Arrive Deadhorse (via Nuiqsut), shuttle to Harry K. Brower Jr. Training Center (HBTC) for check in
- Lunch available in Aurora Hotel
- 3:30 PM Tundra walk to trenching trial site, Dalton MP 412.2 (Lorene Lynn, Bill Streever)

#### **Group 2**

- 4:00 PM Depart Utqiagvik on Wright Air charter (check in 1 hour before flight)
- 5:20 PM Arrive Deadhorse, shuttle to HBTC for check in
- 6:30-8:00 PM Dinner, Aurora Hotel

### *Wednesday, August 2*

- 6:15-7:30 AM Breakfast, Aurora Hotel (Pack lunches)
- 8:00 AM Dalton Highway panel, Conference Room, HBTC (Moderator, Billy Connor)
- Introduction of participants
  - Climate impacts: Permafrost temperatures in the Dalton Highway corridor (Vladimir Romanovsky)
  - Arctic coastal hazard assessment considering permafrost thaw subsidence, coastal erosion, and flooding (Ming Xiao)
  - Tundra disturbance and rehabilitation techniques (Lorene Lynn)
  - Dalton Highway construction history and challenges (Jeff Russell)
- 10:00 AM Break
- 10:15 AM An introduction to the North Slope Oilfields (Bill Streever)
- 10:45 AM Pack for oilfield tour

- 11:15 AM Depart for oilfield tour  
*Tour of oilfield roads and pads, tundra restoration/revegetation projects, gravel mining, dust impacts, flood mitigation, Sagavanirktok and Kuparuk rivers. (Lorene Lynn, Red Mountain Consulting.)*
- 6:30 PM Field trip to Brooks Range Supply Store (optional)
- 6:30-8:00 PM Dinner, Aurora Hotel
- End of evening

### *Thursday, August 3*

- 6:00-7:00 AM Breakfast, Aurora Hotel (Pack lunches)
- 7:15 AM Checkout, load coach
- 7:30 AM Depart on Dalton Highway Excursion: Deadhorse to Coldfoot
- Northern Alaska Tour Company (NATC), based in Fairbanks, will provide our transportation in the Prudhoe Bay Oilfield and on the highway. The 25-passenger coach has comfortable bucket seats, an audio/video system, and a lavatory. It will be operated by a NATC guide with a commercial driver's license. We will be joined by the Alaska Department of Transportation & Public Facilities' Dalton District Superintendent, William Russell, and Northern Region Geotechnical Engineer, Matt Billings, as well as by several scientists with long-term monitoring and tundra restoration projects along the Dalton Highway corridor.
- Over the two-day drive we will make as many stops as we have time for to view highway engineering and permafrost features, including active road construction and tundra restoration projects, frozen debris lobes, thermokarst, thermal erosion and subsidence, sinkholes and taliks.
- Day 1 landmarks include Franklin Bluffs, the Trans-Alaska Pipeline and Pump Stations, Happy Valley Camp, Atigun Pass, Frozen Debris Lobes, and Sukakpak Mountain.*
- 7:00-8:00 PM Buffet dinner, Coldfoot Camp

### *Friday, August 4*

- 6:00-7:00 AM Breakfast at Coldfoot Camp
- 7:15 AM Checkout, load coach

- 7:30 AM Depart on Dalton Highway Excursion: Coldfoot to Fairbanks  
*Day 2 landmarks include Gobbler's Knob, the Arctic Circle, Finger Mountain, the Yukon River and E.L. Patton Bridge, Elliott Highway, Arctic Circle Trading Post, 9-mile Hill, and Washington Creek trenching trial.*
- 12:00 PM Lunch at Yukon River Camp
- 6:30 PM Arrive in Fairbanks, drop offs at Wedgewood Resort, UAF, the Fairbanks International Airport, and the East Ramp.  
  
Dinner on your own (*Good restaurants in easy walking distance of the lodge are Geraldo's, for Italian food, and the Pho House, for Vietnamese. Per diem available for out-of-town participants.*)
- Overnight Out-of-town participants will stay at Bear Lodge, Wedgewood Resort

## *Saturday, August 5*

- 8:30 AM Coffee, tea, and breakfast snacks at the BP Design Center, Room 401, Usibelli Engineering Building, UAF
- 9:00 AM Welcome (Chancellor Daniel White)
- 9:10 AM Introduction of participants and guests
- 9:30 AM Climate adaptation research, planning and implementation (Moderator, Billy Connor)
- US DOT Climate adaptation planning and implementation (Rebecca Beavers & Chel Ethun)
  - Understanding the impacts of permafrost thaw on critical infrastructure and industrial legacy sites in Alaska (Moritz Langer)
  - Tools and techniques towards scalable geophysical monitoring of permafrost (Eileen Martin)
- 10:30 AM Break
- 10:45 AM Modern, Resilient and Agile: Alaska DOT&PF infrastructure challenges (DOT&PF Commissioner Ryan Anderson)
- 11:15 AM Reflections by Symposium participants (4 minutes each)
- 11:45 AM Wrap up (Co-chairs)
- 12:00 PM Lunch (Catered by Chartwells)
- 1:00-3:00 PM Tour to CRREL Permafrost Tunnel (optional)
- End of Symposium (shuttles to airport)