



Lateral spreading along Kalifornsky Beach Road, Kenai, Alaska, triggered by the 24 January 2016 M 7.1 Iniskin earthquake

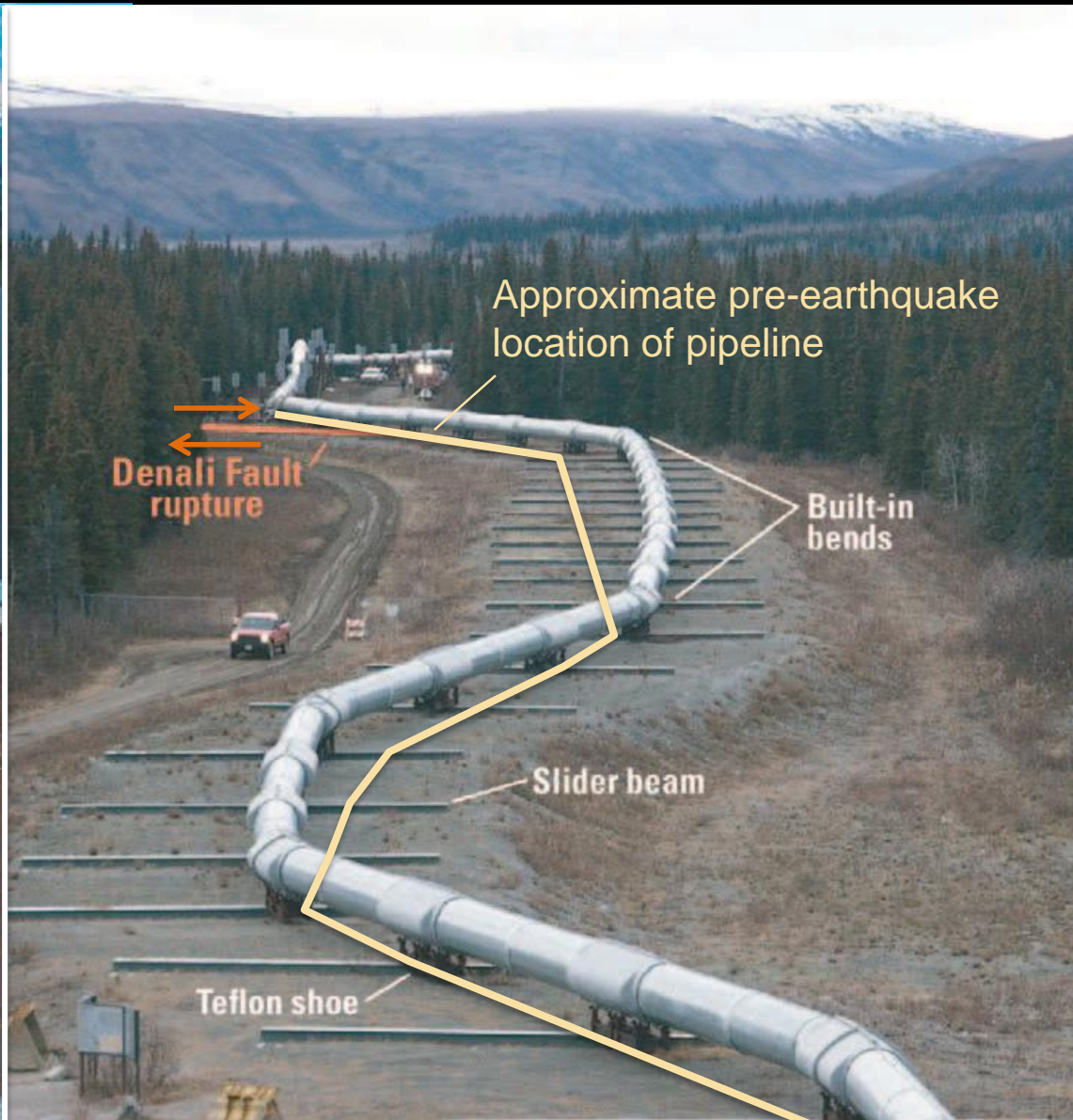
*Bob Hallinen / ADN*



Before



After



The Trans-Alaska oil pipeline survived the 2002 M7.9 Denali Fault earthquake. Pipeline design accommodated 14 feet of horizontal and 2.5 feet of vertical motion.

# Seismic landslide hazards in Anchorage

Jibson and Michael (2009)

## Shallow landslides

2-percent probability in 50 yrs ground motions

## Deep landslides

Great earthquake with 300–600 yr recurrence

## Maps derived using:

- Geotechnical data
- Slope (lidar data)
- Newmark analysis

