



- MNDOT updating tunnel safety plan.
- Led to NYC trip
- Incident response discussion included concerns about EV fires in tunnel









## Tunnel EV Fire Concept:

- Fire blanket (Bridgehill) to temporarily suppress.
- Insert J-hook in A pillar and drag vehicle outside



## Issues?

- Blankets are expensive and one time use (\$1600 +)
- Are heavy and big – need multiple FFs, very close up
  - 54lbs to 72 lbs
- Won't stop thermal runaway – hopefully contain fire?
- Explosion hazard?
- Are FF turnouts sufficient to block EV heat?
  - Fail at 1100 to 1300 deg F -- EV fires at 5000 F
- Weight of vehicle being dragged? What's reasonable? A-pillar tear strength?

