

# CONSTRAINTS & LIMITS

- Physical
  - Space (and right-of-way) for spurs/staging (each train ~1/4 mi length)
  - OCTA needs sand quickly
  - Limited windows for BNSF trains to operate
- Regulatory
  - Railway authority – OCTA is property owner, but MetroLink/BNSF are operators (Limited decision-making ability for shutowns, etc). BNSF has right to run more trains than they do as long as passenger rail isn't interrupted
  - Rail Crews can't work for more than 12 hours
  - Permits
    - Coastal Commission – doesn't recognize "coastal emergency" so hasn't given permit for all work in San Clemente
    - Many Land Use permits for stockpiling at Prado (or elsewhere)



# CONSTRAINTS & LIMITS

- Financial
  - Pavement rehabilitation costs (Corona/Chino) if we use trucking to move sediment at Prado
  - Need \$ for new siding & signal systems
  - \$ for each placement (transportation funding)
- Biological
  - Protecting aquatic and riparian habitat
  - Timing away from bird nesting/fish spawning
- Psychological/social
  - Cognitive shifts needed:
    - Treating sediment as part of a system
    - Reframing sediment as a resource



# CONSTRAINTS & LIMITS

- Technical Unknowns
  - How to get dam out of dam to stockpile/loading area/onto train?
  - Conveyer system to move sand from train
  - Where to place sand (onshore vs nearshore)?



# OPPORTUNITIES

- South County Beach Coalition
- SediMatch – tool for matching sediment supply to demand
- Placement at Doheny will replenish beaches farther south
- Possibility to use flood control funds as long as co-benefit for flood control
- Sand Compatibility Opportunistic Use Program (SCOUP) – regulatory approvals for sand placement (anticipated late 2026)
- OCPW raising Prado Dam, so new parcels can be made available for stockpiling



## LOW-HANGING FRUIT

- Create OC Beach Maintenance Plan
- Looking for direct transport from source to beaches
- Additional permit streamlining needs?



## PIE-IN-THE-SKY

- What are the transformational adaptations for the system?
- Ways to make water infrastructure provide social/recreational benefits?
- How to get Coastal Commission on board when it's not an emergency?
- Create central sand stockpile to hold sand while beaches wait for permits?



# NEXT STEPS

