ALONE we can do SOME things.
TOGETHER we can do ANYTHING!

INSTILLING TRUE CONFIDENCE. DELIVERING SUCCESS.
New Long X Bridge Alignment
New Bridge Design Elements

- Width - 85 ft
- Total Length – 790 ft

- Foundation
  - South Abutment – 8ft diameter drilled shafts
  - Intermediate piers – Driven H-Pile
  - North Abutment – Driven H-Pile

- Superstructure – Concrete girders
  - Spans – 5 spans at 157 ft/ea (60 ea)
Major Scope Items/Quantities

- New roadway approaches and widening
  ~ 250,000 CY Earthwork
  ~ 81,000 TON Aggregate Base
  ~ 30,000 TON Asphalt Pavement

- Foundation
  - H-Pile - 104 ea., ~ 15,000 lf Total
  - Drilled Shafts – 7 ea., depth ~ 150 lf/ea

Open Design reduces/eliminates height and width restrictions
Wildlife Crossing Bypass
Example wildlife crossing; designed to accommodate specific local wildlife
South Abutment Foundation
South Abutment Foundation

*Shaft placed 10/16
Pier 5 Footing

*Scheduled for Thursday 10/17*
• Project Value ~ $34,000,000

• Bordered by National Park, USFS land, Private land owner

• Crews and manpower
  – Currently have 35 employees; Peak ~ 55; many are local hires
Major Subcontractors/Suppliers

- Malcom Drilling – Shaft Foundations
- Knife River – Asphalt Paving
- Horizontal Boring – jack and bore
- Nehemiah – Structural reinforcement steel
- Strata – Ready-mix concrete supplier
- Fortera – Precast concrete bridge girders and precast arch structure
- Viet - Demolition
• Scope planned for completion – end of 2019
  – Complete all 6 bridge substructures (Piers and foundations)
  – Set girders for spans 3, 4, 5 over water from temporary causeway
  – 50% earthwork completed
  – South bound widening north of river paved
  – South side “detour” paved and ready for next season to facilitate wildlife crossing construction
Schedule – 2020 and beyond

• **Scope planned for completion – end of 2020**
  – Complete the bridge
  – Complete wildlife crossing
  – Complete earthwork
  – Complete paving
  – OPEN TO TRAFFIC
  – Begin demolition of old bridge

• **Scope planned for 2021**
  • Complete demolition
  • Planned final completion – July 2021
Thank you