



***“Tribal Transportation Improvement Program”***  
**Navajo Nation Partnership Annual Meeting**  
**Tse Bonito, NM**  
**October 22, 2015**





# Unmet Transportation Needs

- ❑ **Cost to improve 5,955 miles** to meet design standards will cost **\$6.5 Billion**
- ❑ **Cost to address pavement deficiencies** of 1,341 miles of paved roads alone will cost **\$1.4 Billion**
- ❑ Navajo Nation will need **\$7.9 Billion**
- ❑ **Cost is Seven Times the current 20-Year Funding Level** of \$1 Billion or \$50 Million per year

*Source: 2009 Navajo Nation Long Range Transportation Plan*



# Navajo Nation Road Construction Funds from FHWA

- ❑ Navajo Nation receives about **\$54 Million**
- ❑ Approximately 5.5% goes towards Operations and Planning – **\$3 Million**
- ❑ Approximately 20.4% goes towards Road Maintenance and Safety Projects – **\$11 Million**
- ❑ Approximately 9.3% goes towards Preliminary Engineering & Construction Engineering - **\$5 Million**
- ❑ Approximately 64.8% for Construction - **\$35 Million**
  - It costs **\$2 Million to Pave One (1) Mile**
  - We can only **build 17.5 miles** of Roads Annually
  - If bridges are included, road miles decrease



# Tribal Transportation Improvement Program (TTIP)

- ❑ Reduce 38-Year “Wish List” to 5-Year “Focused List”
- ❑ Develop 5-Year “Financially Constrained” TTIP
- ❑ NDOT collaborated extensively with BIA to discuss TTIP project updates and expenditures
- ❑ Prioritize TTIP to reflect Long Range Transportation Plan Goals & Objectives
- ❑ Pursue other Funding Sources like the TTP Bridge & Safety Funds, FHWA/State Safety Funds, TIGER Funds, etc.





# Status of FY2016 NNTTIP

- Reduced Programming Amount from \$55.5 million to \$54.0 million for FY2016 NNTTIP
- Emphasis on Preservation and Safety
- RDC Approves NNTTIP on Sept. 22, 2015.
- NNTTIP submitted to FHWA for Approval.
- Upon Approval by FHWA, NNTTIP will be sent to ADOT, NMDOT & UDOT for inclusion within STIPs.
- Work with Chapters to increase their knowledge of the NNTTIP process.



# Recap of FY2015 NNTTIP

## 6 Projects Completed and Removed

**Six (6) Projects constructed for 17.6 miles at cost of \$39,958,980.**

- 1. N39(1-1)(2)1,2,4–Kinlichee, AZ by Victor Corp.**
  - 0.2 miles of paving & bridge at cost of \$2,835,431
- 2. N21(3)2,4–Tonalea/Kaibeto, AZ by NECA**
  - 4.5 miles of paving at cost of \$11,405,560
- 3. N7057(1)1,2,3–White Rock, NM by Victor Corp.**
  - 0.1 miles of paving & bridge at cost of \$1,671,394
- 4. N35(9)2/N35(9-1)4–Sweetwater, AZ by BIA FA & NECA**
  - 4.5 miles of paving at cost of \$6,857,517
- 5. N55(2)1,2,4–Alamo, NM by Meridian**
  - 8.1 miles of paving at cost of \$14,639,078
- 6. N7150(1)1,2,3–Huerfano, NM by Interstate Hwy**
  - 0.2 miles of paving & bridge at cost of \$2,550,000



# 7 Projects Under Construction

**Seven (7) Projects are under construction for 37.6 miles at a total cost of \$82,829,539.**

- 1. N16(6)/N162(1)/N164(1)2,4–Navajo Mtn, UT by NECA**
  - 5.7 miles of paving at cost of \$21,393,563
- 2. N31(4)1,2,4–Navajo, NM by NECA**
  - 5.5 miles of paving & bridge at cost of \$17,500,000
- 3. N55(3)1,2,4–Alamo, NM by Meridian**
  - 8.7 miles of paving & bridge at cost of \$20,800,000
- 4. N6461(1)1,2,3–Dennehotso, AZ by Capital Engineering**
  - 0.1 miles of gravel & bridge at cost of \$887,350
- 5. N251(5-1)1,2,3–Tselani/Cottonwood, AZ by BIA FA**
  - 14.5 miles of gravel & box culvert at cost of \$10,846,578
- 6. N9345(2)2,4–Wide Ruins, AZ by NECA**
  - 1.9 miles of paving at cost of \$6,326,400
- 7. N8008(1)1,2,3–Round Rock, AZ by Weeminuche Constr.**
  - 1.2 miles of gravel & bridge at cost of \$5,075,648



# Projects to Begin Construction in FY2016

**Five (5) Projects will begin construction in FY2016 for 37.2 miles at a total cost of \$48,205,000**

- 1. N2007(1-1)1,2,4–Navajo, AZ by NECA**
  - 1.5 miles of paving & bridge at cost of \$15,200,000
- 2. N6331(2)2,4/N6330(1)/N21(1A)1,2,4–Kaibeto, AZ**
  - 2.3 miles of paving & bridge at cost of \$10,500,000
- 3. N15(2-2)(3-1)(4-1)–Burnside to Greasewood, AZ**
  - 23 miles of fencing, cattleguards & gates at cost of \$3,000,000
- 4. N27(4-2)(2-3)/N7(2-3)/N105(1)–North End, Chinle, AZ**
  - 5.4 miles of grade, drain & paving at cost of \$13,505,000
- 5. N6461(1-1)(2)/N6460(1)1,2,4–Dennehotso, AZ**
  - 5.0 miles of grade, drain & paving at cost of \$6,000,000





# ***“After 20 Years, Dennehotso Bridge over Laguna Wash will be replaced”***

## **Issues:**

- 60-Foot Long, Two-Span Single Lane “Military Bridge”
- Functionally Obsolete with Substandard Railing

## **Solutions:**

- Partnership with FHWA & Dennehotso
- Utilized FHWA’s Every-Day Counts initiative ~ Geosynthetic Reinforced Soil-Integrated Bridge System (GRS-IBS)
- Single Span, 107-Ft. Long, Two-Lane Bridge
- Construction Time~3 months
- Construction Cost~\$887,350





# “After 20 Years, Huerfano Bridge over Gallegos Wash will be replaced”

## ❑ Issues:

- 356-Foot Long Single Lane “Military Bridge” built in 1978
- Functionally Obsolete & Structurally Deficient

## ❑ Solutions:

- Partnership with San Juan County, NMDOT, FHWA & Huerfano
- Received \$1.0 Million TTP Bridge Funds

## ❑ Cost-Sharing:

- Navajo Nation = \$1,500,000
- San Juan County = \$401,520
- NMDOT/FHWA = \$648,480
- Total Funds = \$2,550,000

