

# 2023 – 2027 Navajo Nation Tribal Transportation Improvement Program (TTIP)



N5012 Girder Placement, Sanostee, NM



N6330/N6331/N21 Roundabout, Kaibeto, AZ

**Presented by Navajo DOT  
July 12-15 & 21, 2022**

# Tribal Transportation Improvement Program



## OVERVIEW

- **Bipartisan Infrastructure Law (BIL)**
  - **TTP Fund**
  - **Bridge Fund**
  - **Discretionary Fund**
- **Long Range Transportation Plan**
- **TTIP Development**
- **Eligible Activities and Funding**
- **TTIP Shortfall Funding**
- **Proposed 2023-2027 TTIP**
- **Proposed Bridge Replacement List**
- **Questions / Answers**



N12 Paving Operations, Tsale/Wheatfields, AZ

# RDC Approved Navajo Nation October 2021 Long Range Transportation Plan (LRTP)



RDCN-33-21

RESOLUTION OF THE  
RESOURCES AND DEVELOPMENT COMMITTEE  
24<sup>th</sup> Navajo Nation Council --- Third Year, 2021

AN ACTION

RELATING TO RESOURCES AND DEVELOPMENT; APPROVING THE NAVAJO  
DIVISION OF TRANSPORTATION 2021 LONG RANGE TRANSPORTATION PLAN  
TO BE SUBMITTED TO THE UNITED STATES DEPARTMENT OF  
TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION

BE IT ENACTED:

SECTION ONE. AUTHORITY

- A. Pursuant to 2 N.N.C. § 500(C)(6), the Resources and Development Committee has oversight authority over matters including planning and coordination of roads and transportation activities of the Navajo Nation.
- B. Pursuant to 2 N.N.C. § 501(C) the Resource and Development Committee has oversight authority over the Navajo Division of Transportation.

SECTION TWO. FINDINGS

- A. The Navajo Nation Division of Transportation submits the Navajo Long Range Transportation Plan to the United States Department of Transportation, Federal Highway Administration.
- B. Pursuant to 25 C.F.R. § 170.410 (a) The purpose of long-range transportation planning is to clearly demonstrate a tribe's transportation needs and to fulfill tribal goals by developing strategies to meet these needs. These strategies should address future land use, economic development, traffic demand, public safety, and health and social needs.
- C. The 2021 Navajo Nation Long Range Transportation Plan is attached hereto as **Exhibit A**.

SECTION THREE. APPROVAL OF SUBMISSION OF THE NAVAJO LONG RANGE  
TRANSPORTATION PLAN

The Resources and Development Committee of the Navajo Nation Council hereby approves the Navajo Division of Transportation 2021 Long Range Transportation Plan to be submitted to United States Department of Transportation, Federal Highway Administration., attached as **Exhibit A**.

RDCN-33-21

CERTIFICATION

I, hereby, certify that the following resolution was duly considered by the Resources and Development Committee of the 24<sup>th</sup> Navajo Nation Council at a duly called meeting held by a teleconference for which a quorum was present and that same was passed by a vote of 5 in favor, and 0 opposed, on this 3<sup>rd</sup> day of November 2021.

Rickie Nez, Chairperson  
Resources and Development Committee  
of the 24<sup>th</sup> Navajo Nation Council

Motion: Honorable Mark A. Freeland  
Second: Honorable Wilson C. Stewart, Jr.

Chairperson Rickie Nez not voting.

# Navajo Nation Long Range Transportation Plan Goals

## Navajo Nation Long Range Transportation Plan



N9402 Ribbon Cutting Ceremony, Lupton, AZ

- **Take care of the system**
- **Enhance existing partnerships and create new partnerships**
- **Maximize transportation investment effectiveness**
- **Enhance safety**
- **Create connections**
- **Provide options**
- **Promote economic development**



# Navajo Nation TTIP Development

## Question:

How was the  
TTIP List  
developed?

**Answer: The proposed TTIP was developed using the following process:**

- 1) Utilize LRTP as a planning tool for project recommendations.**
- 2) Several projects programmed from the previous 5-Year Plan are still being completed and need additional funding.**
- 3) Recommended projects were prioritized based on approved public road, traffic volume, safety, major population connections, regional routes, bus routes and supporting chapter resolutions.**
- 4) Pavement rehabilitation projects were programmed from the Navajo DOT Pavement Management System Plan.**

# Tribal Transportation Improvement Program:



- **Perform TTIP activities and construction projects in accordance with RDC and FHWA-approved TTIP.**
- **Prioritize TTIP projects in accordance with the Long Range Transportation Plan Goals and Objectives.**
- **Develop 5-Year “Financially Constrained” TTIP – “We can’t spend more than we receive!”**
- **Pursue other funding sources such as TTP Bridge, Safety Funds, FHWA, State Safety Funds, State Funds & Tribal Funds.**
- **Plan future tasks and projects according to a 5-Year cycle and annual appropriations.**

# TRIBAL TRANSPORTATION IMPROVEMENT PROGRAM

## TTIP Eligible Activities and Funding:



TTIP is Programmed based on \$60 Million Total Annual Funding



- \$42 Million** { **Construction** - grade & drain, gravel, asphalt, bridge, and misc. construction
- \$8 Million** { **Preliminary Engineering** - surveying, design, environmental, archaeology, biological and Right-of Way acquisition
- Construction Engineering**- construction monitoring
- \$10 Million** { **Administration**
- Transportation Planning/Highway Safety/Project Management**
- Road & Airport Maintenance**

# NAVAJO NATION 2023 - 2027 TTIP Shortfall Funding Allocation Process



Before funding was assigned to new TTIP projects, the FY2023 funding was assigned to previous/ongoing TTIP projects that had funding shortfalls.

- Funding shortfalls were attributed to the following:
  - Original BIA estimates/funding amounts were completed over 7 years ago and did not account for rising cost of inflation.
- Project designs have incurred various delays or additional scope over the years:
  - Utility relocations due to conflicts. Some projects had new utilities installed after the design was completed.
  - Limited resources at regulatory agencies have drastically delayed clearance document reviews and/or ROW approvals.
  - Regulatory agencies have required new/updated clearance documents as the previous ones are too old.
- Project scopes were not fully developed, and final designs required additional design elements that were not originally called for.

# DRAFT 2023-2027 NAVAJO NATION TTIP Proposed Project List



**Navajo DOT TTIP List**

Project Name	Agency	<FY21	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY23-FY27 TOTAL	Project Total	Future FY Funding
N15 (2-3) SR264/Cornfields, AZ	Ft. Defiance	\$16,000,000			\$5,300,000					\$5,300,000	\$21,300,000	
N6460/N6461 Dennehotso, AZ	Western	\$7,529,259		\$2,900,741	\$5,300,000					\$5,300,000	\$15,730,000	
N4(5)/N8031(2)(3)(4) Pinon/ Hardrock, AZ	Chinle	\$22,300,000	\$19,500,000		\$4,600,000					\$4,600,000	\$46,400,000	
N9073(1) Blue Canyon Road, AZ	Ft. Defiance	\$15,074,290	\$2,958,710		\$6,900,000					\$6,900,000	\$24,933,000	
N5001(1) Toadlena/Two Grey Hills, NM	Northern	\$10,000,000			\$4,000,000					\$4,000,000	\$14,000,000	
N12(13-2) Agency Line/ Wheatfields, AZ	Chinle	\$5,591,717	\$8,457,981	\$1,950,302	\$8,000,000					\$8,000,000	\$24,000,000	
N8084(1) Many Farms, AZ	Chinle	\$4,695,283	\$7,491,717		\$800,000					\$800,000	\$12,987,000	
N8066(3)/N8065(1), Black Mesa, AZ	Chinle		\$17,000,000		\$3,800,000					\$3,800,000	\$20,800,000	
N609(2) Tuba City, AZ	Western			\$2,600,000	\$1,800,000					\$1,800,000	\$4,400,000	
N6485(1) Kayenta, AZ	Western				\$1,500,000	\$4,955,436				\$6,455,436	\$6,455,436	
N46(4)/N474(4) Counselor, NM	Eastern	\$12,704,427	\$2,095,573			\$2,000,000				\$2,000,000	\$16,800,000	
N474 Pavement Rehab, Ojo Encino, NM	Eastern					\$11,000,000				\$11,000,000	\$11,000,000	
N13(3-3) Pavement Rehab, Red Valley, NM	Northern		\$5,250,000			\$9,500,000				\$9,500,000	\$14,750,000	
N15(3-1) Cornfields/Sunrise, AZ	Ft. Defiance			\$9,305,436		\$14,544,564	\$1,000,000			\$15,544,564	\$24,850,000	
NDOT Maintenance Yard, Whitehorse Lake, NM	Eastern						\$4,500,000			\$4,500,000	\$4,500,000	
N36(5A-1) US491 to Chaco Wash	Northern						\$20,000,000			\$20,000,000	\$20,000,000	
N15/N60 Intersection Project, Dilkon, AZ	Ft. Defiance						\$5,500,000			\$5,500,000	\$5,500,000	
N12 Fencing Tsaille/Round Rock, AZ	Chinle						\$3,500,000			\$3,500,000	\$3,500,000	
N21 Coppermine, AZ	Western						\$3,000,000	\$5,500,000		\$8,500,000	\$8,500,000	
N11 Crownpoint, NM	Eastern						\$2,500,000	\$9,000,000		\$11,500,000	\$11,500,000	
N8095 Chinle, AZ	Chinle						\$2,000,000	\$4,000,000		\$6,000,000	\$6,000,000	
N221 Shonto, AZ	Western							\$8,500,000		\$8,500,000	\$8,500,000	
N12 Pavement Rehab, Navajo, NM	Ft. Defiance							\$5,000,000		\$5,000,000	\$5,000,000	
N59 Pavement Rehab/Safety, Many Farms/Rough Rock, AZ	Chinle							\$7,300,000		\$7,300,000	\$7,300,000	
N35 Pavement Rehab, Red Mesa, AZ & UT	Northern							\$1,000,000	\$7,500,000	\$8,500,000	\$8,500,000	\$ 9,000,000
N6910 Leupp, AZ	Western							\$1,700,000	\$9,744,564	\$11,444,564	\$11,444,564	
CR 8890 Whiterock, NM	Eastern								\$13,000,000	\$13,000,000	\$13,000,000	\$ 500,000
N12/N13 Intersection Project, Lukachukai, AZ	Chinle								\$4,000,000	\$4,000,000	\$4,000,000	
N112 Ft. Defiance, AZ	Ft. Defiance								\$3,755,436	\$3,755,436	\$3,755,436	\$ 3,500,000
N13 Pavement Rehab, Lukachukai, AZ	Chinle								\$4,000,000	\$4,000,000	\$4,000,000	\$ 500,000
											\$0	
<b>Total Construction Funding for Projects</b>		<b>\$93,894,977</b>	<b>\$62,753,981</b>	<b>\$16,756,479</b>	<b>\$42,000,000</b>	<b>\$42,000,000</b>	<b>\$42,000,000</b>	<b>\$42,000,000</b>	<b>\$42,000,000</b>	<b>\$210,000,000</b>	<b>\$383,405,436</b>	

# DRAFT 2023-2027 NAVAJO NATION TTIP Proposed Project List



DRAFT NDOT TTIP  
for 2023 - 2027

Project Name	Agency	<FY21	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY23-FY27 TOTAL	Project Total	Future FY Funding
Preliminary Engineering		\$3,022,767	\$3,000,000	\$608,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000			
Construction Engineering				\$2,299,771	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000			
<b>PE &amp; CE</b>		<b>\$3,022,767</b>	<b>\$3,000,000</b>	<b>\$2,907,771</b>	<b>\$8,000,000</b>	<b>\$8,000,000</b>	<b>\$8,000,000</b>	<b>\$8,000,000</b>	<b>\$8,000,000</b>			
Administration			\$1,220,257	\$3,700,000	\$3,700,000	\$3,700,000	\$3,700,000	\$3,700,000	\$3,700,000			
NDOT Planning Funds			\$867,000	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000			
Airport Maintenance			\$110,194	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000			
Graveling of Regional Routes			\$400,000	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000			
NRDOT Maintenance			\$134,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000			
NDOT Maintenance			\$3,292,615	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000			
<b>Adminstration, Planning &amp; Maintenance</b>			<b>\$6,024,066</b>	<b>\$10,000,000</b>	<b>\$10,000,000</b>	<b>\$10,000,000</b>	<b>\$10,000,000</b>	<b>\$10,000,000</b>	<b>\$10,000,000</b>			
<b>Fiscal Year Total</b>		<b>\$96,917,743</b>	<b>\$71,778,047</b>	<b>\$29,664,250</b>	<b>\$60,000,000</b>	<b>\$60,000,000</b>	<b>\$60,000,000</b>	<b>\$60,000,000</b>	<b>\$60,000,000</b>			

AGENCY CONSTRUCTION FUND ALLOCATIONS	NO. OF PROJECTS	5-YEAR (FY23-FY27) ALLOCATION	SHORTFALL (FY23-FY24) ALLOCATION	New Constr (FY24-FY27) ALLOCATION
EASTERN AGENCY	5	\$42,000,000	\$2,000,000	\$40,000,000
NORTHERN AGENCY	4	\$42,000,000	\$13,500,000	\$28,500,000
WESTERN AGENCY	6	\$42,000,000	\$7,100,000	\$34,900,000
FT. DEFIANCE AGENCY	6	\$42,000,000	\$12,200,000	\$29,800,000
CHINLE AGENCY	9	\$42,000,000	\$17,200,000	\$24,800,000
		<b>\$210,000,000</b>	<b>\$52,000,000</b>	<b>\$158,000,000</b>

PAVEMENT PRESERVATION VS.	NEW CONSTRUCTION
\$50,550,000	\$332,855,436

# DRAFT 2023-2027 NAVAJO NATION TTIP

## Sample TTIP Project Detail Sheet



### Tribal Transportation Program Transportation Improvement Program

**UNOFFICIAL** **UNOFFICIAL**  
**Project Details Listing**

Consortium:		Tribe Code	N00780
Tribe	Navajo Nation	Date	
<b>PROJECT INFORMATION:</b>		<input type="checkbox"/> Illustrative List	Current FY
			2023

Funding Source: TTP;  (examples: TTP, TTPBP, 2% Planning, HPPP)

Project Name: N13(3-3)4

Location: Red Valley, NM

Type of Work: Reconstruction

Route Number	N13-Section 110-175	Project Number	N13(3-3)4
Length	10 Miles	County	San Juan
State	NM	Construction Year	2024

Comments: Project design and environmental documents will be completed by Navajo DOT. Existing ROW is in place. Total construction funds committed is \$5,250,000 + FY2024 funds of \$9,500,000 = \$14,750,000.

Activity	2023	2024	2025	2026	2027	TOTAL
Administration	\$0	\$0	\$0	\$0	\$0	\$0
Planning	\$0	\$0	\$0	\$0	\$0	\$0
Preliminary Engineering	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$5,250,000	\$9,500,000	\$0	\$0	\$0	\$14,750,000
Construction Engineering	\$0	\$500,000	\$300,000	\$300,000	\$0	\$1,100,000
Transit	\$0	\$0	\$0	\$0	\$0	\$0
Maintenance	\$0	\$0	\$0	\$0	\$0	\$0
<b>TOTAL</b>	\$5,250,000	\$10,000,000	\$300,000	\$300,000	\$0	\$15,850,000

# DRAFT 2023-2027 NAVAJO NATION TTIP Proposed Bridge Replacement List



## Navajo Nation Bridge Construction Priorities

6/27/2022



STRUCT. NUMBER **	AGENCY	ROUTE NUMBER	FEATURE CROSSED	LOCATION	STATE	COUNTY	AVERAGE DAILY TRAFFIC	YEAR BUILT	YEAR REHAB.	2016 SUFFICIENCY RATING	STATUS (FO or SD)
N617C	FORT DEFIANCE	N321	SAND SPRINGS CREEK	2.0 MI NW OF CRYSTAL N.M.	NM	SAN JUAN	272	1936	0	2.0	1
N248	NORTHERN	N35	WALKER CREEK	7.7MI E 8.2MI N ROCKPOINT	AZ	APACHE	192	1977	1993	2.0	1
N314	WESTERN	N6486	LAGUNA CREEK	3 MI EAST OF TSEGI	AZ	NAVAJO	150	1965	1976	13.4	1
N308	WESTERN	N6486	LAGUNA CREEK	3 MI WEST OF KAYENTA	AZ	NAVAJO	411	1973	0	71.3	2
N214C	NORTHERN	N5001	CAPTAIN TOM WASH	4.6M E 4 M S TOADLENA T P	NM	SAN JUAN	221	1938	1974	16.6	1
N241	NORTHERN	N5001	TOADLENA WASH	0.1MI NORTH TOADLENA T.P.	NM	SAN JUAN	127	1988	0	21.5	1
N651F	FORT DEFIANCE	N108	WASH	IN TOHATCHI N.M.	NM	MCKINLEY	900	1976	0	16.3	1
N629	FORT DEFIANCE	N203	KINLICHEE WASH	2.8 MI N OF AZ 264 ON 930	AZ	APACHE	302	1960	1980	61.0	2
N606	FORT DEFIANCE	N9073	UPPER BONITO WASH	1.7 MI NW OF FT DEFIANCE	AZ	APACHE	400	1972	0	19.7	1
N307F	WESTERN	N6731	MOENKOPI WASH	4.3 MI WEST OF MOENKOPI	AZ	COCONINO	50	1915	1998	30.3	1
N309	WESTERN	N6720	DINNEBITO WASH	5 MI SW OF SAND SPRINGS	AZ	COCONINO	90	1974	0	36.9	2
N320	WESTERN	N6732	DINNEBITO WASH	15 MI NW OF LEUPP	AZ	COCONINO	71	1977	0	66.2	2
N318	WESTERN	N6923	SAN FRANCISCO WASH	11 MI W & 5 MI S OF LEUPP	AZ	COCONINO	30	1977	0	74.0	2
N319	WESTERN	N6910	SAN FRANCISCO WASH	8 MI W & 6 MI S OF LEUPP	AZ	COCONINO	92	1978	0	75.9	2
N228	NORTHERN	N5037	TOH -CHIN - LINI WASH	1.0 MI S EMMANUEL MISSION	AZ	APACHE	173	1975	0	58.5	2
N230	NORTHERN	N5045	KITSILI WASH	2.1 MI WEST OF TOLACON	AZ	APACHE	141	1975	0	60.9	2
N521	CHINLE	N26	BIS LI AH WASH	4 MI EAST OF AZ HWY 191	AZ	APACHE	296	1976	0	38.4	2
N660F	FORT DEFIANCE	N9504	FIQUERDO WASH	SOUTH EDGE NAKAIBITO NM	NM	MCKINLEY	137	1976	0	14.3	1
N667F	FORT DEFIANCE	N9603	CRYSTAL CREEK	1 MI EAST OF CRYSTAL NM	NM	SAN JUAN	20	1989	0	45.2	1
N642	FORT DEFIANCE	N39	SAGE WASH	3.6 MI N ARIZONA HWY 264	AZ	APACHE	539	1959	0	21.4	1
N616	FORT DEFIANCE	N321	CRYSTAL CREEK	IN CRYSTAL NEW MEXICO	NM	SAN JUAN	254	1940	0	24.5	1
N658	FORT DEFIANCE	N28	WIDE RUINS WASH	0.9 MI EAST OF KLAGOTOH	AZ	APACHE	260	1980	0	35.7	2
N636	FORT DEFIANCE	N9402	WHITewater CREEK	3.6 MI W 6.7 MI S LUPTON	AZ	APACHE	274	1973	0	49.2	2
N645	FORT DEFIANCE	N9054	STEAMBOAT WASH	1 MI SW OF STEAMBOAT AZ	AZ	APACHE	111	1959	1971	58.1	2
2511-002P	FORT DEFIANCE	C400	BLACK CREEK WASH	OAK SPRINGS AZ	AZ	APACHE		1970	0		1

# Summary –Tribal Transportation Improvement Program:



- **Annual Funding Estimate of \$60.0 million**
- **New Projects emphasized Preservation and Safety**
- **RDC Work Session held on June 27, 2022 to review and discuss 2023-2027 NNTTIP**
- **Five Agency Public Presentations conducted on July 12-15 and July 21, 2022.**
- **Present 2023-2027 NNTTIP to RDC for final review and approval**
- **Draft 2023-2027 NNTTIP available at <https://navajodot.org/>**

# Completed TTIP Projects



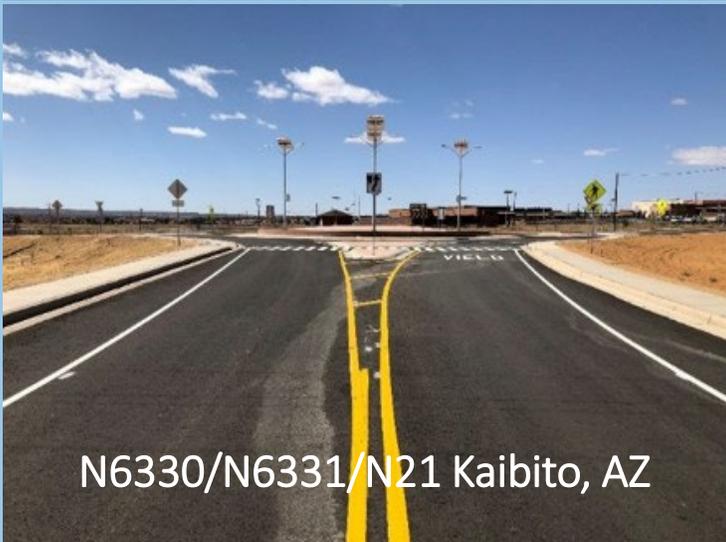
N2007 Bridge – New Lands, AZ



N12 Tsaille/Wheatfields, AZ



N27/N7/N105 – Nazlini/Chinle, AZ



N6330/N6331/N21 Kaibito, AZ



N9402 Lupton, AZ

# TTIP Projects Under Construction



N11 – Mariano Lake, NM 07/15/2022



N5012 - Sanostee, NM



N101 – Ojo Amarillo, NM



N71 – Birdsprings, AZ



- **Questions ?**

- **Contact Information**

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