

Navajo Nation School Bus Route Maintenance

Road maintenance of Navajo Nation school bus routes is a core County service. These school bus routes are key elements of an overall transportation system that supports daily lives and the economy of the Nation. The quality of school bus routes on the Navajo Nation affects school district costs & children's safety.

Proposition 403, the County's Road Maintenance Sales Tax, was approved by 60 percent of Nation voters in November 2014. Prop. 403 has allowed the County to increase the miles of Navajo Nation school bus routes it maintains by 30 percent to 286 miles. 1.5 Senior Operator positions were added to perform routine grading along these routes.



Navajo Nation Capital Matching Fund Program

The Navajo Nation Capital Matching Fund Program is a proposed joint effort between Coconino County and the Navajo Department of Transportation (NNDOT) to address roadway drainage issues on BIA school bus routes that are maintained by Key points of the Capital Matching Fund Program include the following:

- ◆ Project Types Include: Culvert Installations, Low-Water Crossings and Road Surfacing
- ◆ NNDOT Provides \$200,000 Annually
- ◆ County Provides \$200,000 Matching Funds Annually
- ◆ NNDOT Provides Engineering and Environmental Clearances
- ◆ NNDOT Solicits for Contractors to Perform Work
- ◆ NNDOT Oversees Work



In November 2017 the formal Intergovernmental Agreement (IGA) was approved by the Coconino County Board of Supervisors and sent to NNDOT to facilitate the approval process by the Navajo Nation President. This IGA must include a specific project, which will be the N21 Drainage Project.

The County believes that the Capital Matching Fund Program represents an excellent opportunity to apply its funds towards addressing drainage issues on BIA school bus routes that are maintained by the County.

Navajo Division of Transportation Project Description

Route: N21

Location: Kaibito

Chapter: Kaibito

County: Coconino

Business Unit Number: K152044

Programmed Amount: \$110,000
AZ; \$300,000 CC Prop 403;

\$200,000 FET RI

Length: 23.2 miles

Roadway Width: 25'

Average Daily Traffic: 266 – East
end, 118 – West End

ADT Year: 2016

Functional Classification: 4

Surface Type: 1

School Bus Route: Yes

Maintained By: Coconino County

Ownership: BIA

Type of Project: Culverts

Expected Construction Date:
Spring 2017

Estimated Construction
Duration: 4 mos.



Purpose and Need:
Navajo Route 21 provides access for residents between Kaibito, AZ and Gap, AZ. The route is designated as a school bus route. During rain and snow events, sections of the route becomes flooded and impassable. Sections of the roadway also become filled with approximately 4” of silty sand during the summer months due to windy conditions, more particularly in locations where the roadway is at an elevation lower than the adjacent area.

Scope of Work:
The route improvement will consist of improving existing stormwater culverts and installing new culverts in multiple locations along N21. The areas of greater traffic volume will be considered for the improvement and installation of new stormwater culverts. There are existing 40-ft 24-inch culverts located 0.7 and 1.7 miles from the east entrance of N21 near Kaibito, AZ. These culverts are surrounded by silty sand material. This material also rests within the culverts and will require clean up with the installation of rip rap at each end of each culvert. The west end of N21 near Gap, AZ has drainage turnouts but there are no existing culverts for stormwater to pass through the route. This will also be an area to address due to traffic volume.

Estimated Cost:

ITEM	DESCRIPTION	QUAN	UNIT	UNIT PRICE	AMOUNT
1	Install Culverts – 3 Barrel	15	each	\$30,000	\$450,000
<i>Subtotal</i>					\$450,000
Mobilization (10%)					\$45,000
Traffic Control (5%)					\$22,500
Contingency (10%)					\$45,000
<i>Subtotal</i>					\$562,500
Navajo Tax (5%)					\$28,125
Total Estimated Project Cost					\$590,625

