

2021 Dirt Roads

Average Daily Traffic (by lane miles)						
	<100 ADT	100 - 249 ADT	250 - 499 ADT	500 - 999 ADT	>1,000 ADT	00 ADT
NEW LANDS (N00)						
BIA	0.0	0.0	0.0	0.0	0.0	0.0
Tribal	0.0	0.0	0.0	0.0	0.0	0.0
SHIPROCK (N32)						
BIA	526.0	130.0	43.2	48.5	2.7	374.0
Tribal	2133.5	2.5	3.8	0.0	0.2	2019.1
TUBA CITY (N33)						
BIA	797.1	153.7	55.1	5.3	11.7	488.3
Tribal	1884.0	0.0	4.1	2.0	0.0	1855.1
CROWNPOINT (N34)						
BIA	217.4	113.3	46.2	11.8	0.0	70.3
Tribal	1223.1	0.9	0.0	0.0	0.0	1194.0
CHINLE (N35)						
BIA	194.3	156.3	46.9	12.2	0.0	71.4
Tribal	1016.1	24.6	2.7	2.1	0.0	813.4
FORT DEFIANCE (N36)						
BIA	376.8	299.7	70.9	9.1	3.4	149.0
Tribal	2332.3	17.6	19.9	0.0	0.3	2227.4
NIIP (N48)						
BIA	0.0	0.0	0.0	0.0	0.0	0.0
Tribal	0.0	0.0	0.0	0.0	0.0	0.0
Total	8567.1	896.2	289.1	91.0	18.0	7242.9
Treatment	Blade if priority (assume 10%)	Blade 2x Per Year	Blade 2x Per Yr. + Stabilization	Gravel or Chip Seal	Gravel, Chip Seal or Pave	No Treatment - Data Collection Required
Cost to Blade	\$325,445,550	\$1,254,659	\$578,264			
Cost to Chip Seal	\$174,810,752,312	\$33,696,552	\$10,871,366	\$3,422,396	\$676,357	
Cost to Gravel	\$1,859,688,854,379	\$358,473,961	\$115,652,831	\$36,408,465	\$7,195,292	
Cost to Pave	\$13,947,666,407,839	\$2,688,554,710	\$867,396,232	\$273,063,488	\$53,964,691	

2021 Gravel Roads

Average Daily Traffic (by lane miles)						
	<100 ADT	100 - 249 ADT	250 - 499 ADT	500 - 999 ADT	>1,000 ADT	00 ADT
NEW LANDS (N00)						
BIA	0.00	0.00	0.00	0.00	0.00	0.00
Tribal	0.00	0.00	0.00	0.00	0.00	0.00
SHIPROCK (N32)						
BIA	3.70	6.50	13.60	1.60	0.50	1.48
Tribal	3.32	0.00	0.00	0.00	0.00	2.80
TUBA CITY (N33)						
BIA	64.18	2.00	10.84	0.30	0.00	53.15
Tribal	0.70	0.00	0.00	0.00	0.00	0.70
CROWNPOINT (N34)						
BIA	3.00	0.00	1.82	0.00	0.00	0.00
Tribal	3.73	0.00	0.00	0.00	0.00	3.25
CHINLE (N35)						
BIA	10.84	0.00	0.00	4.29	0.00	0.00
Tribal	0.58	0.00	0.00	0.00	0.00	0.58
FORT DEFIANCE (N36)						
BIA	1.00	0.60	0.00	0.00	0.00	1.00
Tribal	4.21	10.99	0.00	0.30	0.00	2.54
NIIP (N48)						
BIA	0.00	0.00	0.00	0.00	0.00	0.00
Tribal	0.00	0.00	0.00	0.00	0.00	0.00
Total	95.26	20.10	26.26	6.49	0.50	65.49
Treatment	Blade if priority (assume 10%)	Blade 2x Per Year	Blade 2x Per Yr. + Stabilization	Gravel or Chip Seal	Gravel, Chip Seal or Pave	No Treatment - Data Collection Required
Cost to Blade	\$6,669	\$28,136	\$52,524	\$4,541	\$350	
Cost to Chip Seal	\$3,581,955	\$755,658	\$987,445	\$243,923	\$18,798	
Cost to Gravel	\$38,105,900	\$8,038,915	\$10,504,732	\$2,594,923	\$199,979	
Cost to Pave	\$285,794,249	\$60,291,862	\$78,785,489	\$19,461,925	\$1,499,844	

2021 Paved Roads

Paved Route Lane Mileage and PCI Condition Summary

	Class Codes (by lane miles)							PCI Break Points (by lane miles)				
	1	2	3	4	5	6	7	PCI 86 - 100	PCI 70 - 85	PCI 55 - 70	PCI < 55	PCI 0
	Major Arterial	Rural Minor Arterial	Residential	Rural Major Collector	Rural Local	City Minor Arterial	City Collector	Crack Sealing, Flush Coat, No Treatment	Flush Coat, Seal Coat, Scrub Seal, Slurry Seal	Flush Coat, Chip Seal, Overlay, Mill & Overlay	Flush Coat, Seal Coat, Overlay, Reconstruction/Rehabilitation	Not Inventoried
NEW LANDS (N00)												
BIA	0	0	15.0	43.2	2.1	0	0	0	0	21.9	19.7	0
Tribal	0	0	0	0	0	0	0	0	0	0	0	0
SHIPROCK (N32)												
BIA	0	94.7	0.8	109.0	2.3	0	0	0	5.2	22.3	47.5	125.1
Tribal	0	0	6.4	0	12.6	0.7	0	0	0	0	2.7	17.0
TUBA CITY (N33)												
BIA	0	61.4	9.3	25.3	18.2	2.1	1.2	0	2.7	84.8	14.6	11.0
Tribal	0	0	0.8	11.1	0	1.1	0	0	0	0	12.4	0
CROWNPOINT (N34)												
BIA	0	23.7	6.5	58.8	0	2.4	0	0	1.4	18.1	29.4	32.2
Tribal	0	0	0	0	0	0	0	0	0	0	0	9.4
CHINLE (N35)												
BIA	1.0	111.0	0.7	58.7	0.9	0	0	1.0	0.3	22.6	40.2	88.8
Tribal	0	0	2.2	0	0	1.8	2.1	0	0	0	0	6.4
FORT DEFIANCE (N36)												
BIA	2.0	178.6	0	62.8	34.9	0	0	2.9	21.4	16.9	218.2	5.2
Tribal	0	0	9.0	10.6	2.2	6.4	8.0	0	0	1.7	16.4	17.1
NIIP (N48)												
BIA	0	13.4	0	31.5	6.6	0	0	0	0.7	14.9	35.9	0.0
Tribal	0	13.4	0	31.5	6.6	0	0	0	0.7	15.6	35.9	0
Total:	3.0	496.1	50.8	442.6	86.7	14.5	11.2	3.9	33.1	219.4	472.8	312.4

Treatment	Per Mile Cost				
Mill/Overlay	\$196,000	\$764,429	\$6,496,864	\$42,997,636	\$92,673,412
Chip Seal	\$37,600	\$146,646	\$1,246,337	\$8,248,526	\$17,778,165
2x Chip Seal	\$75,200	\$293,291	\$2,492,674	\$16,497,052	\$35,556,330
Crack Seal	\$3,200	\$12,480	\$106,071	\$702,002	\$1,513,035
Total		\$1,216,846	\$10,341,947	\$68,445,217	\$147,520,942
Total Maintenance Need:		\$227,524,952			

2021 Paved Roads Continued

Paved Route Lane Mileage and PCI Condition Summary
Rural Minor Arterial

	Class Codes (by lane miles)							PCI Break Points (by lane miles)				
	1	2	3	4	5	6	7	PCI 86 - 100	PCI 70 - 85	PCI 55 - 70	PCI < 55	PCI 0
	Major Arterial	Rural Minor Arterial	Residential	Rural Major Collector	Rural Local	City Minor Arterial	City Collector	Crack Sealing, Flush Coat, No Treatment	Flush Coat, Seal Coat, Scrub Seal, Slurry Seal	Flush Coat, Chip Seal, Overlay, Mill & Overlay	Flush Coat, Seal Coat, Overlay, Reconstruction/Rehabilitation	Not Inventoried
NEW LANDS (N00)												
BIA	0	0	0	0	0	0	0	0	0	0	0	0
Tribal	0	0	0	0	0	0	0	0	0	0	0	0
SHIPROCK (N32)												
BIA	0	94.7	0	0	0	0	0	0	5.2	0	35.4	54.1
Tribal	0	0	0	0	0	0	0	0	0	0	0	0
TUBA CITY (N33)												
BIA	0	61.4	0	0	0	0	0	0	0	61.4	0	0
Tribal	0	0	0	0	0	0	0	0	0	0	0	0
CROWNPOINT (N34)												
BIA	0	23.7	0	0	0	0	0	0	1.4	10.3	0.9	11.0
Tribal	0	0	0	0	0	0	0	0	0	0	0	0
CHINLE (N35)												
BIA	0	111.0	0	0	0	0	0	0	0.0	11.5	37.1	52.8
Tribal	0	0	0	0	0	0	0	0	0	0	0	0
FORT DEFIANCE (N36)												
BIA	0	178.6	0	0	0	0	0	2.9	21.4	16.9	121.2	2.5
Tribal	0	0	0	0	0	0	0	0	0	0	0	0
NIIP (N48)												
BIA	0	13.4	0	0	0	0	0	0	0	7.3	6.1	0
Tribal	0	13.4	0	0	0	0	0	0	0	7.3	6.1	0
Total:	0.0	496.1	0.0	0.0	0.0	0.0	0.0	2.9	28.0	114.7	206.7	120.4

Treatment	Per Mile Cost				
Mill/Overlay	\$196,000	\$568,389	\$5,487,895	\$22,478,059	\$40,517,754
Chip Seal	\$37,600	\$109,038	\$1,052,780	\$4,312,117	\$7,772,794
2x Chip Seal	\$75,200	\$218,076	\$2,105,560	\$8,624,235	\$15,545,587
Crack Seal	\$3,200	\$9,280	\$89,598	\$366,989	\$661,514
Total		\$904,782	\$8,735,832	\$35,781,400	\$64,497,649
Total Maintenance Need:		\$109,919,663			

2021 Paved Roads Continued

Paved Route Lane Mileage and PCI Condition Summary
Rural Major Collector

	Class Codes (by lane miles)							PCI Break Points (by lane miles)				
	1	2	3	4	5	6	7	PCI 86 - 100	PCI 70 - 85	PCI 55 - 70	PCI < 55	PCI 0
	Major Arterial	Rural Minor Arterial	Residential	Rural Major Collector	Rural Local	City Minor Arterial	City Collector	Crack Sealing, Flush Coat, No Treatment	Flush Coat, Seal Coat, Scrub Seal, Slurry Seal	Flush Coat, Chip Seal, Overlay, Mill & Overlay	Flush Coat, Seal Coat, Overlay, Reconstruction/Rehabilitation	Not Inventoried
NEW LANDS (N00)												
BIA	0	0	0	43.2	0	0	0	0	0	6.7	19.7	0
Tribal	0	0	0	0	0	0	0	0	0	0	0	0
SHIPROCK (N32)												
BIA	0	0	0	109.0	0	0	0	0	0	21.0	11.1	70.2
Tribal	0	0	0	0	0	0	0	0	0	0	0	0
TUBA CITY (N33)												
BIA	0	0	0	25.3	0	0	0	0	0	5.2	5.3	10.5
Tribal	0	0	0	11.1	0	0	0	0	0	0	10.7	0
CROWNPOINT (N34)												
BIA	0	0	0	58.8	0	0	0	0	0	4.2	26.0	18.5
Tribal	0	0	0	0.8	0	0	0	0	0	0	0	0.8
CHINLE (N35)												
BIA	0	0	0	58.7	0	0	0	1.0	0.3	10.3	2.7	35.1
Tribal	0	0	0	0	0	0	0	0	0	0	0	0
FORT DEFIANCE (N36)												
BIA	0	0	0	62.8	0	0	0	0	0	0	60.1	2.7
Tribal	0	0	0	10.6	0	0	0	0	0	0	0.5	10.1
NIIP (N48)												
BIA	0	0	0	31.5	0	0	0	0	0.7	7.6	23.2	0
Tribal	0	0	0	31.5	0	0	0	0	0	8.3	23.2	0
Total:	0.0	0.0	0.0	443.5	0.0	0.0	0.0	1.0	1.4	63.8	182.6	147.9

Treatment	Per Mile Cost				
Mill/Overlay	\$196,000	\$196,040	\$283,162	\$12,497,061	\$35,780,336
Chip Seal	\$37,600	\$37,608	\$54,321	\$2,397,395	\$6,863,983
2x Chip Seal	\$75,200	\$75,215	\$108,642	\$4,794,791	\$13,727,966
Crack Seal	\$3,200	\$3,201	\$4,623	\$204,034	\$584,169
Total		\$312,064	\$450,747	\$19,893,281	\$56,956,453
Total Maintenance Need:		\$77,612,545			

2021 Paved Roads Continued

Paved Route Lane Mileage and PCI Condition Summary
City Minor Arterial

	Class Codes (by lane miles)							PCI Break Points (by lane miles)				
	1	2	3	4	5	6	7	PCI 86 - 100	PCI 70 - 85	PCI 55 - 70	PCI < 55	PCI 0
	Major Arterial	Rural Minor Arterial	Residential	Rural Major Collector	Rural Local	City Minor Arterial	City Collector	Crack Sealing, Flush Coat, No Treatment	Flush Coat, Seal Coat, Scrub Seal, Slurry Seal	Flush Coat, Chip Seal, Overlay, Mill & Overlay	Flush Coat, Seal Coat, Overlay, Reconstruction/Rehabilitation	Not Inventoried
NEW LANDS (N00)												
BIA	0	0	0	0	0	0	0	0	0	1.4	0	0
Tribal	0	0	0	0	0	0	0	0	0	0	0	0
SHIPROCK (N32)												
BIA	0	0	0	0	0	0	0	0	0	1.3	0	0
Tribal	0	0	0	0	0	1	0	0	0	0	0	0.7
TUBA CITY (N33)												
BIA	0	0	0	0	0	2.1	0	0	0	0	2.1	0
Tribal	0	0	0	0	0	1	0	0	0	0	1.1	0
CROWNPOINT (N34)												
BIA	0	0	0	0	0	2.4	0	0	0	2.4	0	0
Tribal	0	0	0	0	0	0	0	0	0	0	0	0
CHINLE (N35)												
BIA	0	0	0	0	0	0	0	0	0	0	0	0
Tribal	0	0	0	0	0	1.8	0	0	0	0	0	1.8
FORT DEFIANCE (N36)												
BIA	0	0	0	0	0	0	0	0	0	0	0	0
Tribal	0	0	0	0	0	6.4	0	0	0	0.6	4.4	1.4
NIIP (N48)												
BIA	0	0	0	0	0	0	0	0	0	0	0	0
Tribal	0	0	0	0	0	0	0	0	0	0	0	0
Total:	0.0	0.0	0.0	0.0	0.0	14.9	0.0	0.0	0.0	5.6	7.6	4.3

Treatment	Per Mile Cost	PCI 86 - 100	PCI 70 - 85	PCI 55 - 70	PCI < 55	PCI 0
Mill/Overlay	\$196,000	\$0	\$0	\$1,093,476	\$1,492,905	
Chip Seal	\$37,600	\$0	\$0	\$209,769	\$286,394	
2x Chip Seal	\$75,200	\$0	\$0	\$419,538	\$572,788	
Crack Seal	\$3,200	\$0	\$0	\$17,853	\$24,374	
Total		\$0	\$0	\$1,740,636	\$2,376,462	
Total Maintenance Need:		\$4,117,098				

2021 Paved Roads Continued

Paved Route Lane Mileage and PCI Condition Summary
City Collector

	Class Codes (by lane miles)							PCI Break Points (by lane miles)				
	1	2	3	4	5	6	7	PCI 86 - 100	PCI 70 - 85	PCI 55 - 70	PCI < 55	PCI 0
	Major Arterial	Rural Minor Arterial	Residential	Rural Major Collector	Rural Local	City Minor Arterial	City Collector	Crack Sealing, Flush Coat, No Treatment	Flush Coat, Seal Coat, Scrub Seal, Slurry Seal	Flush Coat, Chip Seal, Overlay, Mill & Overlay	Flush Coat, Seal Coat, Overlay, Reconstruction/Rehabilitation	Not Inventoried
NEW LANDS (N00)												
BIA	0	0	0	0	0	0	0	0	0	1.4	0	0
Tribal	0	0	0	0	0	0	0	0	0	0	0	0
SHIPROCK (N32)												
BIA	0	0	0	0	0	0	0	0	0	1.3	0	0
Tribal	0	0	0	0	0	0	0	0	0	0	0	0
TUBA CITY (N33)												
BIA	0	0	0	0	0	0	1.2	0	0	0	1.2	0.0
Tribal	0	0	0	0	0	0	0	0	0	0	0	0
CROWNPOINT (N34)												
BIA	0	0	0	0	0	0	0	0	0	2.4	0	0
Tribal	0	0	0	0	0	0	2.1	0	0	0	0	2.1
CHINLE (N35)												
BIA	0	0	0	0	0	0	0	0	0	0	0	0
Tribal	0	0	0	0	0	0	2.1	0	0	0	0	2.1
FORT DEFIANCE (N36)												
BIA	0	0	0	0	0	0	0	0	0	0	0	0
Tribal	0	0	0	0	0	0	8.0	0	0	0	6.5	1.4
NIIP (N48)												
BIA	0	0	0	0	0	0	0	0	0	0	0	0
Tribal	0	0	0	0	0	0	0.0	0	0.7	0	0	0
Total:	0.0	0.0	0.0	0.0	0.0	0.0	13.4	0.0	0.9	5.0	7.7	5.7

Treatment	Per Mile Cost	PCI 86 - 100	PCI 70 - 85	PCI 55 - 70	PCI < 55	PCI 0
Mill/Overlay	\$196,000	\$0	\$171,906	\$981,828	\$1,505,882	
Chip Seal	\$37,600	\$0	\$32,978	\$188,351	\$288,883	
2x Chip Seal	\$75,200	\$0	\$65,956	\$376,701	\$577,767	
Crack Seal	\$3,200	\$0	\$2,807	\$16,030	\$24,586	
Total		\$0	\$273,646	\$1,562,909	\$2,397,118	
Total Maintenance Need:		\$4,233,673				