

Bismarck-Mandan MPO

TIP 2019-2022 Amendment

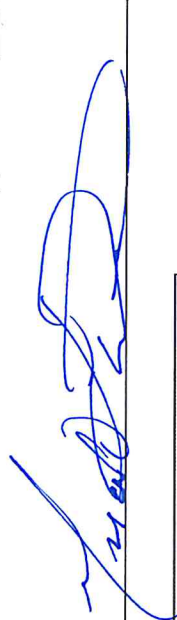
Project Year(s)

Entity	Project	Federal	State	Local	Total	Federal Funding Source
Bis-Man MPO	Amendment Addressing MPO TAM Compliance	NA	NA	NA	NA	NA

Project Description:
 Bis-Man Transit adopted their transit asset management plan in September 2018, in accordance with federal requirements. It is the MPO's directive to report on condition of transit fleet and facilities, as well as planned projects designed to enhance Transit's State of Good Repair Program. The attached document is designed to be incorporated verbatim into the 2019-2022 TIP, provides the necessary information on asset condition and future projects, and will be revised as needed during the annual TIP update.

Consistency with the Bismarck-Mandan MPO Long Range Transportation Plan:
 The amendment is consistent with the planning goals of the 2015-2040 LRTP and will inform the current update of the 2020-2045 MTP.

Amendment Approved on 12/18/18 by the Bismarck-Mandan MPO Policy Board



Bismarck-Mandan MPO Policy Board Chair

Bis-Man Transit Useful Life Benchmarks and TAM Targets

Bis-Man Transit completed and adopted their TAM plan in September 2018. As of November 2018, the transit provider had adopted performance targets set forth by NDDOT and FTA. Targets areas include rolling, stock, equipment, and facilities, and are based on Useful Life Benchmarks for vehicles and transit facilities. A description of the Federal, State and local useful life benchmarks and performance targets follow:

Useful Life Benchmark for Vehicles

Category	Length	Seats	FTA UL Years	FTA UL Miles	FTA UBL Years	NDDOT ULB Years	BMTP UBL Years
Heavy Duty Large Bus	35 to 40+ ft	24 to 40+	12	500,000	14	14	14
Heavy Duty Small Bus	30 to 35 ft	24 to 35	10	350,000	14	14	14
Medium Size Cutaway	25 to 30 ft	16 to 30	7	200,000	10	10	10
Light Duty Mid-Sized Cutaway	20 to 25 ft	8 to 16	5	150,000	10	10	10
Light Duty Small Cutaway	16 to 22 ft	3 to 14	4	100,000	10	10	10
Modified Van	20 to 22 ft	3 to 14	4	100,000	8	8	8
Minivan	Up to 12 ft	3 to 12	4	100,000	8	8	8
Automobile		3 to 7	4	100,000	8	8	8

Useful Life Benchmark for Transit Facilities

Category	Usage	UBL Years
Bus Garage	Bus Storage, Wash	40
Garage Operations Facility	Storage, Wash, Dispatch, Training, Light Maintenance	40
Garage Operations Admin	Admin Offices, Storage, Wash, Dispatch	40
Shelters	Seating	20

TAM Performance Measures and Targets (as identified in 49 CFR 625.34)

Asset Category	Performance Measure	Performance Target
Rolling Stock	Age	10% of revenue vehicles within any particular asset class that have met or exceeded their ULB
Equipment	Age	10% of non-revenue vehicles that have met or exceeded their ULB
Facilities	Condition	0% of facilities with a condition rating below 3.0 on the FTA Transit Economic Requirement Model Scale

Bismarck-Mandan MPO Reporting

The Bismarck-Mandan MPO—through their annual Transportation Improvement Program (TIP) update—reports on the condition of Bis-Man Transit’s rolling stock and/or facilities (as provided by the National Transit Database), as well as Transit’s progress toward adopted performance targets. Further the TIP provides an opportunity to note future investments which maintain the fleet and facility in a State of Good Repair. The Bis-Man Transit Fleet Inventory, provided by Bis-Man Transit for the 2018 Transit Development Plan Existing Conditions Report, follows. This information represents revision submitted to NDT report in the fall of 2018, which should be reflected in the NTD report soon.

Bis-Man Transit Fleet Inventory

Service Type	Bus Fleet ID	Year	Category	Condition*
Fixed Route	401	2004	Heavy-Duty Small Bus	Adequate
Fixed Route	402	2004	Heavy-Duty Small Bus	Good
Fixed Route	403	2004	Heavy-Duty Small Bus	Decommissioned
Fixed Route	601	2006	Heavy-Duty Small Bus	Good
Fixed Route	602	2006	Heavy-Duty Small Bus	Good
Fixed Route	1001	2010	Heavy-Duty Small Bus	Good
Fixed Route	1002	2010	Heavy-Duty Small Bus	Good
Fixed Route	1003	2010	Heavy-Duty Small Bus	Good
Fixed Route	1501	2015	Heavy-Duty Large Bus	Excellent
Fixed Route	1502	2015	Heavy-Duty Large Bus	Excellent
Paratransit	36**	2010	Medium-Duty Bus	Good
Paratransit	37**	2010	Medium-Duty Bus	Good
Paratransit	38	2010	Medium-Duty Bus	Good
Paratransit	44	2009	Medium-Duty Bus	Good
Paratransit	47	2009	Medium-Duty Bus	Good
Paratransit	48	2009	Medium-Duty Bus	Good
Paratransit	49	2009	Medium-Duty Bus	Good
Paratransit	53	2012	Medium-Duty Bus	Good
Paratransit	54	2012	Medium-Duty Bus	Good
Paratransit	55	2012	Medium-Duty Bus	Good
Paratransit	1701	2017	Medium-Duty Bus	Excellent
Paratransit	1702	2017	Medium-Duty Bus	Excellent
Paratransit	1703	2017	Medium-Duty Bus	Excellent
Paratransit	1704	2017	Medium-Duty Bus	Excellent
Paratransit	62	2012	Light-Duty Vans, Sedans, or Buses	Excellent
Paratransit	63	2012	Light-Duty Vans, Sedans, or Buses	Excellent
Paratransit	1801	2018	Medium-Duty Bus	Excellent
Paratransit	1802	2018	Medium-Duty Bus	Excellent
Paratransit	1803	2018	Medium-Duty Bus	Excellent
Paratransit	1804	2018	Medium-Duty Bus	Excellent
Paratransit	1901**	2018	Medium-Duty Bus	Excellent
Paratransit	1902**	2018	Medium-Duty Bus	Excellent

* Condition as reported March 8, 2017 unless the vehicle was purchased after March 8, 2017. For vehicles purchased after March 8, 2017, Bis-Man Transit reported the vehicles to be in excellent conditions.

** Buses 1901 and 1902 were purchased in October of 2018 will replace buses 36 and 37 in November of 2018.

Typically, the Bismarck-Mandan MPO's TIP includes enhancement projects for Bis-Man Transit fleet and facilities. Projects including, but are not limited to, the procurement of replacement buses, federal and local funds given to annual preventive maintenance and security needs, and like procurements. Upcoming projects in the 2019-2022 TIP which contribute to the preventive maintenance of Transit's assets and SOGR program are highlighted:

Project #	Project Location	Project Type	Funding	Project Description	Funding Source	2019	2020	2021	2022	Total
1	Bismarck/Mandan Area	Capital Cost of Contracting (CCOC)	FTA Sec. 9 (5307)	Preventative maintenance and operating costs associated with the operations contract	Fed	\$960,000	\$960,000	\$960,000	\$960,000	\$3,840,000
					State	\$0	\$0	\$0	\$0	\$0
					Local	\$240,000	\$240,000	\$240,000	\$240,000	\$960,000
			80 / 20		Total	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$4,800,000
2	Bismarck/Mandan Area	Preventative Maintenance	FTA Sec. 9 (5307)	Preventative maintenance on transit vehicles	Fed	\$63,030	\$63,975	\$64,935	\$65,909	\$257,849
					State	\$0	\$0	\$0	\$0	\$0
					Local	\$15,758	\$15,994	\$16,234	\$16,477	\$64,463
			80 / 20		Total	\$78,788	\$79,969	\$81,169	\$82,386	\$322,312
3	Bismarck/Mandan Area	Operating Expenses	FTA Sec. 9 (5307)	Operating assistance for elderly/ disabled and fixed route service	Fed	\$350,000	\$355,250	\$360,579	\$365,987	\$1,431,816
					State	\$350,000	\$350,000	\$350,000	\$350,000	\$1,400,000
					Local	\$0	\$5,250	\$10,579	\$15,987	\$31,816
			50 / 50		Total	\$700,000	\$710,500	\$721,158	\$731,974	\$2,863,632
4	Bismarck/Mandan Area	Security	FTA Sec. 9 (5307)	Public transportation security projects	Fed	\$13,589	\$13,793	\$14,000	\$14,210	\$55,592
					State	\$0	\$0	\$0	\$0	\$0
					Local	\$3,397	\$3,448	\$3,500	\$3,553	\$13,898
			80 / 20		Total	\$16,986	\$17,241	\$17,500	\$17,763	\$69,490
5	Bismarck/Mandan Area	Transit Planning	FTA Sec. 8 (5303) (5313)	Provide funding for the Transit Development Plan	Fed	\$0	\$0	\$0	\$0	\$0
					State	\$0	\$0	\$0	\$0	\$0
					Local	\$0	\$0	\$0	\$0	\$0
			80/20		Total	\$0	\$0	\$0	\$0	\$0
6	Bismarck/Mandan Area	Capital Grant	FTA Section (5339)	Provide funding to replace, rehabilitate and purchase busses and related equipment, including shop equipment, and construct bus related facilities	Fed	\$928,656	\$220,000	\$300,000	\$204,000	\$1,652,656
					State	\$0	\$0	\$0	\$0	\$0
					Local	\$282,064	\$55,000	\$75,000	\$51,000	\$463,064
			80 / 20		Total	\$1,210,720	\$275,000	\$375,000	\$255,000	\$2,115,720
7	Bismarck/Mandan Area	Capital Grant	FTA Section (5310)	Capital projects including vehicle purchases for elderly and disabled	Fed	\$94,560	\$208,000	\$132,000	\$192,000	\$626,560
					State	\$0	\$0	\$0	\$0	\$0
					Local	\$23,640	\$52,000	\$33,000	\$48,000	\$156,640
			80 / 20		Total	\$118,200	\$260,000	\$165,000	\$240,000	\$783,200
8	Bismarck/Mandan Area	Discretionary Earmark Grant	FTA Section (5310)	Operating assistance to serve the elderly and disabled	Fed	\$0	\$60,000	\$65,000	\$70,000	\$195,000
					State	\$0	\$0	\$0	\$0	\$0
					Local	\$0	\$60,000	\$65,000	\$70,000	\$195,000
			50 / 50		Total	\$0	\$120,000	\$130,000	\$140,000	\$390,000

Based on the existing condition of the Bis-Man Transit fleet and facilities, and the programmed activities outlined in the 2019-2022 TIP, the Bis-Man MPO believes the investments falling within category A., of the three federally defined maintenance options:

- A.) Sufficient to mainline the current SGR condition for rolling stock,
- B.) Insufficient to maintain current conditions, causing SGR to worsen, or
- C.) Sufficient to improve the SGR for rolling stock.

Overview:

Bis-Man transit has an active TAM plan and is currently meeting their TAM performance targets.