

## Bismarck-Mandan MPO

**TIP** 2021-2024 **Amendment**

Project Year(s) 2021 and 2022

Entity	Project	Federal	State	Local	Total	Federal Funding Source
NDDOT	22.6.06 --> 21.6.10	\$890,230	\$99,770	\$110,000	\$1,100,000	NHU
	22.6.07 --> 21.6.16	\$890,230	\$99,770	\$110,000	\$1,100,000	

Project Description:

These projects are being moved into the 2021 program of projects, within the 2021-2024 TIP. Both project are being bid in 2021 and funded with 2021 funding. Both projects will be constructed in 2022. Project 21.6.10 is for signal work on 7th Street between Ave C and Front Ave. Project 21.6.16 is for signal work on 9th Street between Ave C and Front Ave. The PCN for both projects is 22904.

This difference in year of funding and year of construction is also notated in the 2022 program of project within the 2022-2025 TIP. In the 2022 program of projects the projects are still notated at 22.6.06 and 22.6.07. The PCN will remain 22904.

Consistency with the Bismarck-Mandan MPO Metropolitan Transportation Plan:

These projects are currently in the TIP and are therefore considered consistent with the Arrive 2045 MTP.

Amendment Approved on September 21, 2021 by the Bismarck-Mandan MPO Policy Board



Gerald Wise

Bismarck-Mandan MPO Policy Board Chair

## Bismarck-Mandan MPO

TIP 2021-2024 Amendment

Project Year(s) 2021

Entity	Project	Federal	State	Local	Total	Federal Funding Source
NDDOT	21.6.09	\$202,325(old) \$121,395 (new)	\$22,675(old) \$13,605 (new)	\$25,000 (old) \$15,000 (new) [50%/50% Bis/ Man]	\$250,000 (old) \$150,000 (new)	NHU

Project Description:

This project is for work on the I-94B/Bismarck-Mandan Memorial Bridge. The cost of this project was last amended in February 2021. In the current amendment, the scope of this project is changing from "Railing, Deck Sealing, and Access" to "Clean drains and glands, Clean Tubs, Pigeon Proof Utility Passages, Add Tub drains (if needed), and potentially adding steps for access". The cost of the project is also being updated as per the amounts indicated above. The project has a PCN of 22902

Consistency with the Bismarck-Mandan MPO Metropolitan Transportation Plan:

The project is currently in the TIP and is therefore consistent with Arrive 2045 MTP.

Amendment Approved on September 21, 2021 by the Bismarck-Mandan MPO Policy Board



Gerald wise

Bismarck-Mandan MPO Policy Board Chair

PROJECT YEAR 2021

ESTIMATED COST IN DOLLARS

LEAD AGENCY	REFERENCE NUMBER	PROJECT DESCRIPTION	FEDERAL	STATE	LOCAL	TOTAL	FEDERAL PROGRAM SOURCE	PCN	AMENDMENT/ MODIFICATION (Date)
BISMARCK	21.1.01	Safety - Bismarck (26th St & Interstate Ave) (Restriping/pavement markings)	\$503,460	\$0	\$55,940	\$559,400	HES	23058	Amendment description change, PCN added (JAN 2021)
BISMARCK	21.1.02	Safety - Bismarck (Century Ave & Washington St, Century Ave & 4th St) (Positive Left Turns)	\$770,000	\$0	\$85,000	\$855,000	HEU	22835	Modification Added PCN (JAN 2021)
BISMARCK	21.1.03	Safety - Bismarck (7 St & Ave D, 7th St & Ave E, 9th St & Ave D, and 9th St & Ave E) (Rapid Rectangular Flashing Beacon)	\$300,000	\$17,000	\$17,000	\$334,000	SHE	22836	Modification Changed FPS (JAN 2021)
BISMARCK	21.1.04	Urban Grants Project - Bismarck N 4th St (Main to Thayer), N 5th St (Main to Thayer), Broadway (N 4th St to N 6th St) (CPR <sup>1</sup> , Curb & Gutter, Sidewalk, Pavement Marking, LED Lighting, Pedestrian Lighting, Signing, ADA Ramps, Landscaping)	\$1,000,000	\$0	\$251,000	\$1,251,000	UGP	22512	
BISMARCK	21.1.05	Regionally Significant Project (RSP) - Resurface & Reconstruct (Bismarck Wide) (Rehabilitation on Functionally Classified Roadways, Solely Local Funded)	\$0	\$0	\$6,622,372	\$6,622,372			
BISMARCK	21.1.06 <del>22.1.04</del>	*Urban Roads - Bismarck 43rd Ave (Montreal St to State St) (Reconstruction and Widening)	\$7,280,000	\$0	\$1,820,000	\$9,100,000	NHU	22492	Amendment Moved from 2022 (APR 2021)
BURLEIGH	21.2.01	*Urban Roads - Burleigh County 43rd Ave (North 26th St to Roosevelt Dr) (Reconstruction and widening)	\$4,200,000	\$0	\$1,050,000	\$5,250,000	NHU-SU	22435	Modification Changed FPS (JAN 2021)
LINCOLN	21.3.01	Transportation Alternatives - SRTS - Lincoln (66th St & Dolan Dr, Lincoln Rd & McDougall Dr, South Side Dolan Dr - 66th St to Butler St, Lincoln Rd & Benteen St, Lincoln Rd - McDougall to 66th (X-Walks, New Sidewalks, Lighting along Shared Use Path)	\$223,000	\$0	\$53,000	\$276,000	TAU	22572	Modification Changed FPS (JAN 2021)
MANDAN	21.4.01	Transportation Alternatives - Mandan 19th St SE Trail Project (South Side of 19th SE, ND Highway 6 to Macedonia Av SE) (10' Wide Shared Use Path, 4,570' ft Long, Signed & Marked X-Walks, Rapid Rectangular Flashing Beacon)	\$290,000	\$0	\$73,000	\$363,000	TAU	22573	Modification Changed FPS (JAN 2021)
MANDAN	21.4.02	Urban Grants Project - Mandan 1st St NW (5th Av NW to Collins Av), 2nd Av NW (Main to 2nd St NW), 3rd Av NW (Main to 2nd St NW), 4th Av NW (Main to 2nd St NW), 5th Av NW (1st St NW to 2nd St NW) (Reconstruction, Watermain, Sidewalk, ADA Ramps, LED Lighting, Signing, Striping, Parking, Beautification)	\$2,428,000	\$0	\$2,272,000	\$4,700,000	UGP	22554	Amendment Project Removed (MAY 2021)
MANDAN	21.4.03	Urban Regional - Mandan ND 1806 (7 miles, Main St to Heart River Bridge) (Deck Overlay, Bridge Rail Retrofit, Approach Slabs, CPR <sup>1</sup> , Signal)	\$1,001,694	\$112,262	\$123,773	\$1,237,729	NHU	22903	
MANDAN	21.4.04	*Urban Roads - Mandan 27th Street (ND Highway 1806 to 8th Ave NW) (Reconstruction)	\$1,052,090	\$0	\$947,910	\$2,000,000	SU	22537	
NDDOT	21.6.02	Rural - I-94 (Mandan Ave Interchange, EB) (.3 miles PCC Pavement, Ramp Revisions)	\$3,150,000	\$350,000	\$0	\$3,500,000	IM	22182	
NDDOT	21.6.03	*Rural - I-94, Westbound lanes (W Sweet Briar E to ND 25 Interchange) (10.2 miles CPR, Grinding, HBP on Ramps)	\$1,190,000	\$132,000	\$0	\$1,322,000	IM		
NDDOT	21.6.04	Safety - Mandan I-194 (South of I-94 to Memorial Highway, EB/WB) (.6 miles PCC, Concrete Median Barrier)	\$2,128,000	\$236,000	\$0	\$2,365,000	HEN	22440	Amendment Cost & FPS changed (JAN 2021)
NDDOT	21.6.05	Safety - Mandan ND 810 (Memorial Highway - McKenzie Dr, EB/WB) (Concrete Median Barrier)	\$1,462,421	\$81,246	\$81,246	\$1,624,913	HEN	22441	Modification Cost & FPS changed (FEB 2021)
NDDOT	21.6.06	Safety - I-94 Mandan (W of Sunset Dr - E of Mandan Av) <sup>#</sup> (High Tension Median Cable Guardrail)	\$776,256	\$86,251	\$0	\$862,507	HEN	22442	Modification Updated cost (JAN 21)
NDDOT	21.6.09	*Urban Regional - I-94B Bismarck/Mandan Memorial Bridge (.1 miles, Memorial Bridge) (Railing, Deck Sealing, Access) (Clean drains and glands, Clean Tubs, Pigeon Proof Utility Passages, Add Tub drains (if needed), and potentially adding steps for access)	\$121,395 <del>\$202,926</del>	\$13,605 <del>\$22,675</del>	\$15,000 <del>\$25,000</del> 50% Bismarck 50% Mandan	\$150,000 <del>\$250,000</del>	NHU	22902	Amendment Scope & Cost Change (SEP 21) Modification Updated shares (FEB 2021)
NDDOT	21.6.10 <del>22.6.06</del>	*Urban Regional - Bismarck 7th St (Ave C to Front Ave) (Signals)	\$890,230	\$99,770	\$110,000	\$1,100,000	NHU	22904	Amendment Moved from 2022 (SEP 21)
NDDOT	21.6.11	Urban Regional - ND 810 (Bismarck & Mandan) (Expressway Bridge) (Joint Repair, Structure Paint, Structure/Incidentals, Grinding)	\$1,446,886	\$162,155	\$195,038 50% Bismarck 50% Mandan	\$1,787,825	NHU	22863	Modification Costs updated (FEB 2021)
NDDOT	21.6.12	Urban Regional - Mandan ND 1806 (I-94 Ramps to 27th St NW) (1.5 miles Reconstruction)	\$6,417,000	\$719,000	\$1,254,000	\$8,390,000	NHU	22181	Modification Updated cost (JAN 2021)
NDDOT	21.6.13	*Urban Regional - Bismarck Expressway (BN & CP Railway Bridge, 2 miles south, 1 mile west of I-94 Exit 161) (Spall Repairs, Beam Repair, Joint Sealing)	\$52,605	\$5,895	\$6,500	\$65,000	UGP	22905	Modification Extents added (JAN 2021)
NDDOT	21.6.14 (JAN 2021)	Rural - I-94 Business Loop (Between ND 25 and W Main St) (Chip Seal)	\$272,952	\$64,029	\$0	\$336,981	NHU	23038	Amendment New Project (JAN 2021)
NDDOT	21.6.15 (JAN 2021)	Weather Station - I-94 (West-bound I-94, costs only for work within MPO boundary) (Installing weather station called Environmental Sensor Station)	\$44,673	\$10,527	\$0	\$55,200	ITS	22936	Amendment New Project (JAN 2021)
NDDOT	21.6.14 (MAR 2021)	Rural - State Parks and Rec Signs (MPO-area wide) (Cost of Signs, Contract Bond, Mobilization)	\$125,875	\$16,301	\$0	\$142,176	SS	23169	Amendment New Project (MAR 2021)
NDDOT	21.6.15 <del>24.6.08</del> (MAY 2021)	Bridge - I-94 (5 miles east of US Highway 83, 80th St, EB) (Structure Replacement)	\$4,670,773 <del>\$3,600,000</del> <del>\$3,543,000</del>	\$467,077 <del>\$400,000</del> <del>\$394,000</del>	\$0	\$4,203,696 <del>\$4,000,000</del> <del>\$3,937,000</del>	IM	21854	Modification cost updated (JUN 2021) Amended moved from 24 (MAY 2021)
NDDOT	21.6.16 <del>22.6.02</del>	*Urban Regional - Bismarck 9th St (Ave C to Front Ave) (Signals)	\$890,230	\$99,770	\$110,000	\$1,100,000	NHU	22904	Amendment Moved from 2022 (SEP 21)
NA	NA	Regionally Significant Projects Project Phase: 2021 Preliminary Engineering (PE)	\$1,762,000	\$216,000	\$151,000	\$2,129,000			Amendment New Project (MAR 2021)
NA	NA	Regionally Significant Projects Project Phase: 2021 Right of Way (ROW)	\$2,082,000	\$234,000	\$258,000	\$2,574,000			Amendment New Project (MAR 2021)
NA	NA	Regionally Significant Projects Project Phase: 2021 Utilities	\$568,000	\$64,000	\$71,000	\$703,000			Amendment New Project (MAR 2021)

\* Represents an "Expansion" project. An expansion project is focused on improving traffic flow through efforts such as: adding through lanes or turn lanes; new streets/roads; upgrading an intersection to a roundabout; or new/improved interchanges.

<sup>MPO</sup> Project area extent is larger than the MPO area. Costs have not been prorated.

CPR<sup>1</sup> = Concrete Pavement Repair

HBP<sup>2</sup> = Hot Bituminous Pavement

<sup>#</sup> Approximately 0.4 miles west of Sunset Dr & 0.4 miles east of Mandan Av

<sup>\*</sup> Pending Availability of Federal Funds

PROJECT YEAR 2022

ESTIMATED COST IN DOLLARS

LEAD AGENCY	REFERENCE NUMBER	PROJECT DESCRIPTION	FEDERAL	STATE	LOCAL	TOTAL	FEDERAL PROGRAM SOURCE	PCN	AMENDMENT/ MODIFICATION (Date)
BISMARCK	22.1.01	<del>Urban Roads - Bismarck 43rd Ave (Montreal St to State St) (Reconstruction and Widening)</del>	<del>\$7,280,000</del>	<del>\$0</del>	<del>\$1,820,000</del>	<del>\$9,100,000</del>	<del>NHU</del>	<del>22492</del>	Amendment Moved to 2021 (APR 2021)
BISMARCK	22.1.02	Urban Grants Project - Bismarck Thayer Avenue ( N 3rd St-N 6th St) & N 6th St (Main Av - Rosser Av) (CPR, Curb & Gutter, Bulb-outs, Sidewalk, ADA Ramps, Pavement Marking, LED Roadway Lighting, Pedestrian Lighting, Street Trees, Landscaping, Signing, Parking Improvements)	\$1,280,000	\$0	\$320,000	\$1,600,000	UGP	22870	
BISMARCK	22.1.03	Transportation Alternatives - Bismarck Public School Safety Improvement Project (City-Wide) (Installation of 20 MPH speed limit signs near public schools)	\$27,516	\$0	\$6,484	\$34,000	TAU	22950	Modification PCN added, FPS changed (JAN 21)
MANDAN	22.4.01	Transportation Alternatives - Mandan - Old Red Trail Phase 2 Shared Use Path (South side of Old Red Trail, starting at Sunset Drive going west 0.8 miles) (2 inch overlay with 0.5 inch leveling course for the existing 10.5 foot wide path)	\$168,237	\$0	\$39,642	\$207,879	TAU	22951	Modification PCN added, FPS changed (JAN 21)
NDDOT	22.6.01	Bridge - I-94 (3 miles west of US Highway 83, Grant Marsh, EB) (Expansion Joint Modifications, Approach Slabs, Spall Repair)	\$749,000	\$83,000	\$0	\$832,000	IM	22603	
NDDOT	22.6.02	Bridge - I-94 (2 miles west of US Highway 83, Tyler Parkway, EB) (Expansion Joint Modifications, Approach Slabs, Spall Repair)	\$286,000	\$32,000	\$0	\$318,000	IM	22603	
NDDOT	22.6.06	<del>Urban Regional - Bismarck 7th St (Ave C to Front Ave) (Signals)</del>	<del>\$890,230</del>	<del>\$89,770</del>	<del>\$110,000</del>	<del>\$1,100,000</del>	<del>NHU</del>	<del>22904</del>	Amendment Moved to 2021 (SEP 21)
NDDOT	22.6.07	<del>Urban Regional - Bismarck 9th St (Ave C to Front Ave) (Signals)</del>	<del>\$890,230</del>	<del>\$89,770</del>	<del>\$110,000</del>	<del>\$1,100,000</del>	<del>NHU</del>	<del>22904</del>	Amendment Moved to 2021 (SEP 21)
NDDOT	22.6.08	Urban Regional - Mandan Memorial Highway (Memorial Highway Phase 1, Extents TBD) (Reconstruction & Drainage)	\$7,098,918	\$795,591	\$877,168 \$2,050,000	\$10,821,677	SU-CPU	22005 23133	Amendment Cost & FPS changed, 2nd PCN added (JAN 2021)
NDDOT	22.6.09	**Safety - State Street/ US 83 (Calgary Ave to 1-94) (Turn Lanes)	\$2,250,000	\$250,000	\$0	\$2,500,000	SHE	20098	Modification cost changed, PCN, FPS added (JAN 2021)
NDDOT	22.6.10	**Safety - State Street/ US 83 (1-94 to Divide Ave) (Turn Lanes)	\$2,520,000	\$140,000	\$140,000	\$2,800,000	SHE	20097	Modification cost changed, PCN, FPS added (JAN 2021)

\* Represents an "Expansion" project. An expansion project is focused on improving traffic flow through efforts such as: adding through lanes or turn lanes; new streets/roads; upgrading an intersection to a roundabout; or new/improved interchanges.

\*\*Pending Availability of Federal Funds

\* Projects are funded in 2022 but will be constructed in 2023.

PROJECT YEAR 2023

ESTIMATED COST IN DOLLARS

LEAD AGENCY	REFERENCE NUMBER	PROJECT DESCRIPTION	FEDERAL	STATE	LOCAL	TOTAL	FEDERAL PROGRAM SOURCE	PCN	AMENDMENT/ MODIFICATION (Date)
BURLEIGH	23.2.01	*Urban Roads - Burleigh County 66th St (Apple Creek Rd to Northgate Dr) (Reconstruction, Structures)	\$8,000,000	\$0	\$4,700,000	\$12,700,000	SU		
NDDOT	23.6.02	Bridge - I-94 (1 mile E of US 83 N, EB) (Deck Overlay, Rail Retrofit, Approach Slabs, Struct/Incid)	\$636,000	\$71,000	\$0	\$707,000	IM	23009	Modification Added PCN (JAN 21)
NDDOT	23.6.03	Rural - Hwy 1804 (N Hazleton Jct to Burleigh Ave) (28.5 miles, Thin Overlay)	\$4,235,000	\$998,000	\$0	\$5,233,000	SS		
NDDOT	23.6.04	Rural - I-94B (Junction of old Hwy 10 to west Mandan) (5.7 miles Gravel Shoulders, Mill & Overlay 2" max, Structure/Incidentals)	\$1,268,000	\$299,000	\$0	\$1,567,000	NH		
NDDOT	23.6.08	Urban Regional - Bismarck State St (I-94 to Calgary Ave), (Century Ave/11th St) (1 mile, Signals, CPR, Grinding)	\$1,869,483	\$440,517	\$0	\$2,310,000	NHU	22770	Modification Added PCN (JAN 21)
NDDOT	23.6.09	Urban Regional - Bismarck State St (Divide Av to I-94) (.7 miles, Signals, CPR, Grinding)	\$659,580	\$73,920	\$81,500	\$815,000	NHU	22769	
NDDOT	23.6.10	Urban Regional - Mandan I-94B (W Urban Limit* to Heart River Bridge) (Mill & Overlay)	\$182,093	\$42,907	\$0	\$225,000	NHU		Modification Removed PCN (JAN 21)
NDDOT	23.6.12	Bridge - I-94 (Junction of US 83 N & I-94, EB) (Spall Repair, Structure Incidentals)	\$73,000	\$8,000	\$0	\$81,000	IM		
NDDOT	23.6.13	Bridge - I-94 (1 mile E of US 83 N, EB) (Deck Overlay, Approach Slabs, Expand Joint Mod)	\$525,000	\$58,000	\$0	\$583,000	IM	23009	Modification Added PCN (JAN 21)
NDDOT	23.6.14	Urban Regional - Mandan Memorial Highway (Memorial Highway Phase 2, Extents TBD) (Reconstruction, City Utilities)	\$13,758,000	\$1,542,000	\$6,700,000	\$22,000,000	SU-CPU		Amendment Cost & FPS changed (JAN 2021)

\* Represents an "Expansion" project. An expansion project is focused on improving traffic flow through efforts such as: adding through lanes or turn lanes; new streets/roads; upgrading an intersection to a roundabout; or new/improved interchanges.

\* Pending Availability of Federal Funds

\* Urban Limits are approximately 0.6 miles west of Heart River Bridge

MPO Project area extent is larger than the MPO area. Costs have not been prorated.

PROJECT YEAR 2024

ESTIMATED COST IN DOLLARS

LEAD AGENCY	REFERENCE NUMBER	PROJECT DESCRIPTION	FEDERAL	STATE	LOCAL	TOTAL	FEDERAL PROGRAM SOURCE	PCN	AMENDMENT/MODIFICATION (Date)
BISMARCK	24.1.01	*Urban Roads - Bismarck 43rd Av (State St - 26th St) & 19 St (N Valley Lp/Yucca Av - 43rd Av) (Reconstruction and Widening)	\$4,800,000	\$0	\$9,200,000	\$14,000,000	NHU	22929	Modification PCN added, FPS changed (JAN 21)
BISMARCK	24.1.02	Safety - Rectangular Rapid Flashing Beacons (RRFB) in Bismarck (Various Locations) (Install RRF at up to 11 locations, recommended by School Safety Crossing Study)	\$378,000	\$0	\$42,000	\$420,000			
MANDAN	24.4.01	Safety - Rectangular Rapid Flashing Beacons (RRFB) in Mandan (Various Locations) (Install RRF at up to 4 locations, recommended by School Safety Crossing Study)	\$126,000	\$0	\$14,000	\$140,000			
NDDOT	24.6.01	Urban Regional - Bismarck 7th St (Front Av to Bismarck Expressway) (.6 miles, Reconstruction)	\$2,529,062	\$283,438	\$312,500	\$3,125,000	NHU		
NDDOT	24.6.02	Urban Regional - Bismarck 9th St (Front Av to Bismarck Expressway) (.6 miles, Mill & Overlay, Curb & Gutter)	\$760,742	\$85,258	\$94,000	\$940,000	NHU		
NDDOT	24.6.03	Urban Regional - Mandan Memorial Highway (Memorial Highway Phase 3, Extents TBD) (3.3 miles, Reconstruction, City Utilities)	\$11,330,000	\$1,270,000	\$4,900,000	\$17,500,000	SU-CPU		Amendment Cost & FPS changed (JAN 21)
NDDOT	24.6.05	<sup>MPO</sup> Rural - I-94, Eastbound lanes (W Sweet Briar E to ND 25 Interchange) (10.2 miles CPR, Grinding, HBP on Ramps)	\$1,288,000	\$143,000	\$0	\$1,431,000	IM		
NDDOT	24.6.07	<sup>MPO</sup> Rural - I-94 (East of 161 Interchange to east of Menoken Interchange) (9.8 miles, Median X-Overs, Ramp Connections)	\$1,367,000	\$152,000	\$0	\$1,519,000	IM	22639	
NDDOT	24.6.08	<sup>MPO</sup> Bridge - I-94 (5 miles east of US Highway 83 - 80th St, EB) (Structure Replacement)	\$3,543,000	\$394,000	\$0	\$3,937,000	IM	21854	Amendment Moved to 2021 (MAY 2021)
NDDOT	24.6.09	Urban - I-94 (2 miles E of US 83 N, EB, Centennial/Bismarck Expressway) (Structure/Incidentals, Ramp Revisions)	\$27,000,000	\$3,000,000	\$0	\$30,000,000	IM	22648	
NDDOT	24.6.10	Safety - Expressway and Washington Pedestrian Crossings (Bismarck Expy/Washington St and Bismarck Expy/2nd St Intersections) (Ped improvements to intersections, median reconstruction, EB lane reduction, RRFB with high-visibility crosswalk)	\$198,000	\$11,000	\$11,000	\$220,000			
NDDOT	24.6.11	Safety - Bismarck Expressway Lighting (Burlington Dr to Yegen Rd and Yegen Road to Main Ave) (Install corridor lighting in gaps along Bismarck Expy)	\$314,766	\$17,487	\$17,487	\$349,740			

\* Represents an "Expansion" project. An expansion project is focused on improving traffic flow through efforts such as: adding through lanes or turn lanes; new streets/roads; upgrading an intersection to a roundabout; or new/improved interchanges.  
<sup>MPO</sup> Pending Availability of Federal Funds