

Congestion Reduction

These include two performance measures on the percentage of person-miles traveled where the Level of Travel Time Reliability (LOTTR) > 1.50. Ratio of 80th percentile to 50th percentile travel time (with overall system performance then normalized for length, volume, and vehicle occupancy). The one concerning freight movement is Truck Travel Time Reliability (TTTR). The TTTR is the ratio of the 95th percentile to the 50th percentile travel time (weighted by segment lengths). The Cheyenne MPO has agreed to adopt our own targets as shown below.

Area	Measure	4-year Target	Current Condition	Condition Year
PM3 - Reliability	Percentage of person-miles traveled on the Interstate system that are reliable	94%	99.8%	2017
PM3 - Reliability	Percentage of person-miles traveled on the non-Interstate NHS system that are reliable	85%	90.7%	2017
PM3 - Freight	Truck Travel Time Reliability Index	1.44	1.24	2017

Transit Asset Management

Transit Asset Management (TAM) is a business model that uses the condition of assets to guide the optimal prioritization of funding at transit properties in order to keep our transit networks in a State of Good Repair (SGR). The purpose of the National TAM System is to keep our Nation's assets in a State of Good Repair (SGR). Consequences of not being in a SGR include: safety risks, decreased system reliability, higher maintenance costs, and lower system performance. The Cheyenne MPO has agreed to adopt WYDOT's targets as shown below.

Area	Measure	1-year Target	Current Condition	Condition Year
Transit	Rolling Stock Performance - Percentage of vehicles meeting or exceeding useful life benchmark for mileage	50%	68.8%	2017
Transit	Facilities Performance – Percentage of assets with condition rating at or above 3.0 on the FTA TERM Scale	100%	100%	2017

The Cheyenne Transit Program coordinates with the WYDOT Transit Office on the Asset Management Program. In order to keep the bus fleet current and functional, the CTP buys from 2 to 3 new buses a year, therefore replacing the older high-mileage buses. Concerning safety and security, the CTP has been adding new surveillance cameras and recording devices on the buses as funds allow. Additionally, lighting is being added to bus shelters to help keep the riders safe as they wait for buses. These expenses are listed within this TIP.

TABLE 4 FY 2020 - 2023 TIP PROJECT LISTING

MAP ID:	Agency	Project Description:	Funding:	2020	2021	2022	2023	4 Year TIP
10	CITY	24th St. Signal Replacements (Pioneer, Carey)	L SALES TAX	\$350,000				\$350,000
Total Federal Funds:				\$0				\$0
Total:				\$350,000				\$350,000
9	CITY	Yellowstone and Dell Range Intersection Reconstruction	L SALES TAX	\$1,500,000				\$1,500,000
Total Federal Funds:								\$0
Total:				\$1,500,000				\$1,500,000
	CITY	Reed Avenue Corridor Design	L SALES TAX	\$4,200,000				\$4,200,000
Total Federal Funds:								\$0
Total:				\$4,200,000				\$4,200,000
7	CITY	Pershing Duff Stormwater Drainage: From Pershing to 22nd Design and Construction	F FEMA GRANT	\$4,000,000				\$4,000,000
			L SALES TAX	\$1,330,000				\$1,330,000
Total Federal Funds:				\$4,000,000				\$0
Total:				\$5,330,000				\$5,330,000
6	CITY	26th Street Interceptor/Capital Basin Extension Design and Construction	S SLIB	\$4,000,000				\$4,000,000
			L SALES TAX	\$1,330,000				\$1,330,000
Total Federal Funds:								\$0
Total:				\$5,330,000				\$5,330,000
5	CITY	5th St and Crow Creek Bridge Design and Construction	L SALES TAX	\$2,000,000				\$2,000,000
Total Federal Funds:								\$0
Total:				\$2,000,000				\$2,000,000

TABLE 4 FY 2020 - 2023 TIP PROJECT LISTING

MAP ID:	Agency	Project Description:	Funding:		2020	2021	2022	2023	4 Year TIP
4	CITY	Dell Range Widening (College East) Design and Reconstruction							
		Performance Measure: Safety	L	SALES TAX	\$5,000,000				\$5,000,000
		Total Federal Funds:							\$0
		Total:			\$5,000,000				\$5,000,000
3	CITY	19th St and Missile Realignment Design and Construction							
		Performance Measure: Safety	L	SALES TAX		\$8,000,000			\$8,000,000
		Total Federal Funds:							\$0
		Total:				\$8,000,000			\$8,000,000
2	CITY	City of Cheyenne and Frontier Days Multi-Use Path Project: Design and Construction							
		Multi-Use Path on Carey, 8th to Kennedy and Kennedy, Carey to Central	F	TAP	\$500,000				\$500,000
			L	SALES TAX	\$100,000				\$100,000
		Total Federal Funds:			\$500,000				\$500,000
		Total:			\$600,000				\$600,000
1	CITY	Highland Park Sidewalk Design and Construction							
			F	TAP		\$300,000			\$300,000
			L	SALES TAX		\$75,000			\$75,000
		Total Federal Funds:				\$300,000			\$300,000
		Total:				\$375,000			\$375,000
	CITY	On Street Bike Lanes Striping - Implementation at various locations							
			F	TAP			\$300,000		\$300,000
			L	SALES TAX			\$75,000		\$75,000
		Total Federal Funds:					\$300,000		\$300,000
		Total:					\$375,000		\$375,000

TABLE 4 FY 2020 - 2023 TIP PROJECT LISTING

MAP ID:	Agency	Project Description:	Funding:		2020	2021	2022	2023	4 Year TIP
11	CITY	Greenway Underpass at 19th St and Missile Dr. Design and Construction							
		Performance Measure: Safety	F	TAP				\$300,000	\$300,000
			L	SALES TAX				\$75,000	\$75,000
		Total Federal Funds:						\$300,000	\$300,000
		Total:						\$375,000	\$375,000
13	CITY	Walterscheid Signals: Design and Reconstruction with new signals at Fox Farm and Walterscheid.							
		Performance Measure: Safety	L	SALES TAX				\$600,000	\$600,000
		Total Federal Funds:							\$0
		Total:						\$600,000	\$600,000
	CITY	Traffic Improvements							
		Performance Measure: Safety	L	SALES TAX	\$375,000	\$725,000	\$725,000	\$725,000	\$2,550,000
		Total Federal Funds:							\$0
		Total:			\$375,000	\$725,000	\$725,000	\$725,000	\$2,550,000
	CITY	Street Repair and Renovation and Misc Concrete: City wide							
			L	SALES TAX	\$1,550,000	\$1,550,000	\$1,550,000	\$1,550,000	\$6,200,000
		Total Federal Funds:							\$0
		Total:			\$1,550,000	\$1,550,000	\$1,550,000	\$1,550,000	\$6,200,000
	CITY	1% Construction Management and Administration: City wide							
			L	SALES TAX	\$550,000	\$550,000	\$550,000	\$550,000	\$2,200,000
		Total Federal Funds:							\$0
		Total:			\$550,000	\$550,000	\$550,000	\$550,000	\$2,200,000
	CITY	Stormwater Drainage Maintenance and Repair Projects: City Wide							
			L	SALES TAX	\$550,000	\$550,000	\$550,000	\$550,000	\$2,200,000
		Total Federal Funds:							\$0
		Total:			\$550,000	\$550,000	\$550,000	\$550,000	\$2,200,000

TABLE 4 FY 2020 - 2023 TIP PROJECT LISTING

MAP ID: Agency	Project Description:	Funding:	2020	2021	2022	2023	4 Year TIP
CITY Pavement Management Maintenance							
		L SALES TAX	\$3,000,000	\$3,000,000	\$8,850,000		\$14,850,000
Total Federal Funds:							\$0
Total:			\$3,000,000	\$3,000,000	\$8,850,000		\$14,850,000
CITY TOTALS							
			2020	2021	2022	2023	4 Year TIP
Total Federal Funds:			\$4,500,000	\$0	\$0	\$0	\$4,500,000
Total State Funds:			\$4,000,000	\$0	\$0	\$0	\$4,000,000
Total Local Funds:			\$21,835,000	\$14,375,000	\$12,225,000	\$3,975,000	\$52,410,000
Total:			\$30,335,000	\$14,375,000	\$12,225,000	\$3,975,000	\$60,910,000

TABLE 4 FY 2020 - 2023 TIP PROJECT LISTING

MAP ID: Agency:	Project Description:	Funding Source:	2020	2021	2022	2023	4 Year TIP
14 COUNTY	DELL RANGE INTERSECTION WITH US 30 - Relocate/Reconstruct intersection						
	Performance Measure: Safety	F	STPU		\$3,340,000		\$3,340,000
	Eng: \$595, Construction: \$3096	L	CRF		\$351,000		\$351,000
	Total Federal Funds:				\$3,340,000		\$3,340,000
	Total:				\$3,691,000		\$3,691,000
15 COUNTY	WHITNEY RD BETWEEN DELL RANGE AND US 30						
	Performance Measure: Safety	F	STPU		\$3,077,000		\$3,077,000
	Eng: \$440, Construction: \$2960	L	CRF		\$323,000		\$323,000
	Total Federal Funds:				\$3,077,000		\$3,077,000
	Total:				\$3,400,000		\$3,400,000
COUNTY TOTALS			2020	2021	2022	2023	4 Year TIP
Total Federal Funds:				\$6,417,000			\$6,417,000
Total State Funds:				\$0			\$0
Total Local Funds:				\$674,000			\$674,000
Total:				\$7,091,000			\$7,091,000

TABLE 4 FY 2020 - 2023 TIP PROJECT LISTING

Agency:	Project Description:	Funding Source:	2020	2021	2022	2023	4 Year TIP	
TRANSIT	TRANSIT BUSES Purchase							
	Performance Measure: Transit	F	FTA 5307	\$321,067	\$330,700	\$340,621	\$350,840	\$1,343,228
		L	MATCHTRAN	\$56,659	\$58,359	\$60,110	\$61,913	\$237,041
	Total Federal Funds:			\$321,067	\$330,700	\$340,621	\$350,840	\$1,343,228
	Total:			\$377,726	\$389,058	\$400,731	\$412,753	\$1,580,269
TRANSIT	SURVEILLANCE UPGRADE - Hardware/software for surveillance in buses							
		F	FTA 5307	\$17,761				\$17,761
		L	MATCHTRAN	\$4,440				\$4,440
	Total Federal Funds:			\$17,761				\$17,761
	Total:			\$22,201				\$22,201
TRANSIT	TRAINING CENTER: Construction and finish second floor of the Bus Garage to add a Transit Classroom							
		F	FTA 5307			\$200,000		\$200,000
		L	MATCHTRAN			\$50,000		\$50,000
	Total Federal Funds:					\$200,000		\$200,000
	Total:					\$250,000		\$250,000
TRANSIT	SHELTER LIGHTING INTALLATION							
		F	FTA 5307		\$67,200			\$67,200
		L	MATCHTRAN		\$16,800			\$16,800
	Total Federal Funds:				\$67,200			\$67,200
	Total:				\$84,000			\$84,000
TRANSIT	GENERAL OPERATING ASSISTANCE & CAPITAL							
		F	FTA 5307	\$1,279,459	\$1,317,843	\$1,357,379	\$1,398,101	\$5,352,782
		S	Section IIIB	\$6,350	\$6,350	\$6,350	\$6,350	\$25,400
		S	Section 5311	\$110,000	\$110,000	\$110,000	\$110,000	\$440,000
		L	MATCHTRAN	\$914,404	\$941,836	\$867,091	\$893,104	\$3,616,434
	Total Federal Funds:			\$1,279,459	\$1,317,843	\$1,357,379	\$1,398,101	\$5,352,782
Total:			\$2,310,213	\$2,376,029	\$2,340,820	\$2,407,555	\$9,434,616	

TABLE 4 FY 2020 - 2023 TIP PROJECT LISTING

Agency:	Project Description:	Funding Source:	2020	2021	2022	2023	4 Year TIP
TRANSIT TOTALS							
			2020	2021	2022	2023	4 Year TIP
	Total Federal Funds:		\$1,618,288	\$1,715,742	\$1,898,000	\$1,748,941	\$6,980,971
	Total State Funds:		\$116,350	\$116,350	\$116,350	\$116,350	\$465,400
	Total Local Funds:		\$975,502	\$1,016,994	\$977,201	\$955,017	\$3,924,715
	Total:		\$2,710,140	\$2,849,087	\$2,991,551	\$2,820,308	\$11,371,086

TABLE 4 FY 2020 - 2023 TIP PROJECT LISTING

MAP ID:	Agency:	Project Description:	Funding Source:	2020	2021	2022	2023	4 Year TIP
12	WYDOT	U212017 Chey/College & Southwest Dr Signal Installation						
		Performance Measure: Safety	S S MATCH HIGH	\$128,000				\$128,000
		Total Federal Funds:		\$0				\$0
		Total:		\$128,000				\$128,000
16	WYDOT	STP-BR-B201005 Dist 1 Bridge Rehab						
		Bridge Structure Repair on I-25	F STP-BR		\$3,248,190			\$3,248,190
		Performance Measure: Bridge	S S MATCH HIGH		\$360,910			\$360,910
		Total Federal Funds:			\$3,248,190			\$3,248,190
		Total:			\$3,609,100			\$3,609,100
	WYDOT	HSIP-B211027- Dist 1 Signal Replacements various locations						
			F HSIP		\$1,710,000			\$1,710,000
			S S MATCH HIGH		\$190,000			\$190,000
		Total Federal Funds:			\$1,710,000			\$1,710,000
		Total:			\$1,900,000			\$1,900,000
17	WYDOT	STP-6738002 Parsley Bridge Replacement/ Reconstruction						
		Performance Measure: Bridge	F STP-BR			\$3,916,922		\$3,916,922
		Eng: \$476, Construction: \$3876	S S MATCH HIGH			\$435,213		\$435,213
		Total Federal Funds:				\$3,916,922		\$3,916,922
		Total:				\$4,352,135		\$4,352,135
19	WYDOT	STP-BR-I180021 Warren Ave, Lincolnway to 24th St Pavement Rehab						
		Performance Measure: Pavement	F NHPP			\$2,177,000		\$2,177,000
		Eng: \$457, Construction: \$1949	S S MATCH HIGH			\$229,000		\$229,000
		Total Federal Funds:				\$2,177,000		\$2,177,000
		Total:				\$2,406,000		\$2,406,000

TABLE 4 FY 2020 - 2023 TIP PROJECT LISTING

MAP ID:	Agency:	Project Description:	Funding Source:	2020	2021	2022	2023	4 Year TIP		
18	WYDOT	NHPPI-I806211 I-80 Roundtop to Central Pavement Rehab Performance Measure: Pavement Eng: \$501, Construction: \$4055	F NHPP				\$4,100,724	\$4,100,724		
			S S MATCH HIGH				\$455,636	\$455,636		
			Total Federal Funds:						\$4,100,724	\$4,100,724
			Total:						\$4,556,360	\$4,556,360
20	WYDOT	NHPPI-I180025 - Warren Ave, 24th St to Pershing Pavement Rehab Performance Measure: Pavement Eng: \$106, Construction: \$713	F NHPP				\$737,697	\$737,697		
			S S MATCH HIGH				\$81,966	\$81,966		
			Total Federal Funds:						\$737,697	\$737,697
			Total:						\$819,663	\$819,663
21	WYDOT	SCP-TC W223004 Terry Ranch Road Overlay/seal coat	F NHPP				\$3,654,458	\$3,654,458		
			S SCP				\$406,050	\$406,050		
			Total Federal Funds:						\$3,654,458	\$3,654,458
			Total:						\$4,060,508	\$4,060,508
WYDOT	Dist 1 Chip Seal		F STP-PM	\$1,646,675		\$450,000	\$360,000	\$2,456,675		
			S S MATCH HIGH	\$182,963		\$50,000	\$40,000	\$272,963		
			Total Federal Funds:			\$1,646,675		\$450,000	\$360,000	\$2,456,675
			Total:			\$1,829,638		\$500,000	\$400,000	\$2,729,638
WYDOT	Dist 1 Contract Patch		F STP-PM	\$2,526,102	\$900,000	\$720,000	\$450,000	\$4,596,102		
			S S MATCH HIGH	\$280,678	\$100,000	\$80,000	\$50,000	\$510,678		
			Total Federal Funds:			\$2,526,102	\$900,000	\$720,000	\$450,000	\$4,596,102
			Total:			\$2,806,780	\$1,000,000	\$800,000	\$500,000	\$5,106,780
WYDOT	Dist 1 Bridge Rehab/Maint	Performance Measure: Bridge	F STP-BR	\$1,336,500	\$1,062,000	\$981,000	\$225,000	\$3,604,500		
			S S MATCH HIGH	\$148,500	\$118,000	\$109,000	\$25,000	\$400,500		
			Total Federal Funds:			\$1,336,500	\$1,062,000	\$981,000	\$225,000	\$3,604,500
			Total:			\$1,485,000	\$1,180,000	\$1,090,000	\$250,000	\$4,005,000

TABLE 4 FY 2020 - 2023 TIP PROJECT LISTING

MAP ID:	Agency:	Project Description:	Funding Source:	2020	2021	2022	2023	4 Year TIP
	WYDOT	Dist 1 Slab Repair						
		Performance Measure: Pavement	F STP-PM		\$1,402,965	\$450,000	\$225,000	\$2,077,965
			S S MATCH HIGH		\$155,885	\$50,000	\$25,000	\$230,885
		Total Federal Funds:			\$1,402,965	\$450,000	\$225,000	\$2,077,965
		Total:			\$1,558,850	\$500,000	\$250,000	\$2,308,850
WYDOT TOTALS								
				2020	2021	2022	2023	4 Year TIP
		Total Federal Funds:		\$5,509,277	\$8,323,155	\$8,694,922	\$9,752,879	\$32,280,233
		Total State Funds:		\$740,141	\$924,795	\$953,213	\$1,083,652	\$3,701,801
		Total Local Funds:		\$0	\$1	\$2	\$3	\$0
		Total:		\$6,249,418	\$9,247,951	\$9,648,137	\$10,836,534	\$35,982,034