

## 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 80<sup>th</sup> percentile to 50<sup>th</sup> 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 95<sup>th</sup> percentile to the 50<sup>th</sup> 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) <b>Design and Reconstruction</b>						
		Performance Measure: Safety	L SALES TAX	\$5,000,000				\$5,000,000
		<b>Total Federal Funds:</b>						\$0
		<b>Total:</b>		\$5,000,000				\$5,000,000
3	CITY	19th St and Missile Realignment <b>Design and Construction</b>						
		Performance Measure: Safety	L SALES TAX		\$8,000,000			\$8,000,000
		<b>Total Federal Funds:</b>						\$0
		<b>Total:</b>			\$8,000,000			\$8,000,000
2	CITY	City of Cheyenne and Frontier Days Multi-Use Path Project: <b>Design and Construction</b>						
		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
		<b>Total Federal Funds:</b>		\$500,000				\$500,000
		<b>Total:</b>		\$600,000				\$600,000
1	CITY	Highland Park Sidewalk <b>Design and Construction</b>						
			F TAP		\$300,000			\$300,000
			L SALES TAX		\$75,000			\$75,000
		<b>Total Federal Funds:</b>			\$300,000			\$300,000
		<b>Total:</b>			\$375,000			\$375,000
	CITY	On Street Bike Lanes <b>Striping</b> - Implementation at various locations						
			F TAP			\$300,000		\$300,000
			L SALES TAX			\$75,000		\$75,000
		<b>Total Federal Funds:</b>				\$300,000		\$300,000
		<b>Total:</b>				\$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	<b>CITY Greenway Underpass at 19th St and Missile Dr. Design and Construction</b>						
	Performance Measure: Safety	F TAP				\$300,000	\$300,000
		L SALES TAX				\$75,000	\$75,000
	<b>Total Federal Funds:</b>					\$300,000	\$300,000
	<b>Total:</b>					\$375,000	\$375,000
13	<b>CITY Walterscheid Signals: Design and Reconstruction</b> with new signals at Fox Farm and Walterscheid.						
	Performance Measure: Safety	L SALES TAX				\$600,000	\$600,000
	<b>Total Federal Funds:</b>						\$0
	<b>Total:</b>					\$600,000	\$600,000
	<b>CITY Traffic Improvements</b>						
	Performance Measure: Safety	L SALES TAX	\$375,000	\$725,000	\$725,000	\$725,000	\$2,550,000
	<b>Total Federal Funds:</b>						\$0
	<b>Total:</b>		\$375,000	\$725,000	\$725,000	\$725,000	\$2,550,000
	<b>CITY Street Repair and Renovation and Misc Concrete: City wide</b>						
		L SALES TAX	\$1,550,000	\$1,550,000	\$1,550,000	\$1,550,000	\$6,200,000
	<b>Total Federal Funds:</b>						\$0
	<b>Total:</b>		\$1,550,000	\$1,550,000	\$1,550,000	\$1,550,000	\$6,200,000
	<b>CITY 1% Construction Management and Administration: City wide</b>						
		L SALES TAX	\$550,000	\$550,000	\$550,000	\$550,000	\$2,200,000
	<b>Total Federal Funds:</b>						\$0
	<b>Total:</b>		\$550,000	\$550,000	\$550,000	\$550,000	\$2,200,000
	<b>CITY Stormwater Drainage Maintenance and Repair Projects: City Wide</b>						
		L SALES TAX	\$550,000	\$550,000	\$550,000	\$550,000	\$2,200,000
	<b>Total Federal Funds:</b>						\$0
	<b>Total:</b>		\$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 <b>Maintenance</b>							
	L	SALES TAX	\$3,000,000	\$3,000,000	\$8,850,000		#####
Total Federal Funds:							\$0
Total:			\$3,000,000	\$3,000,000	\$8,850,000		#####
CITY TOTALS							
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:			#####	#####	#####	\$3,975,000	#####
Total:			#####	#####	#####	\$3,975,000	#####

TABLE 4 FY 2020 - 2023 TIP PROJECT LISTING

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

COUNTY TOTALS		2020	2021	2022	2023	4 Year TIP
<b>Total Federal Funds:</b>			<b>\$6,417,000</b>			<b>\$6,417,000</b>
<b>Total State Funds:</b>			<b>\$0</b>			<b>\$0</b>
<b>Total Local Funds:</b>			<b>\$674,000</b>			<b>\$674,000</b>
<b>Total:</b>			<b>\$7,091,000</b>			<b>\$7,091,000</b>

TABLE 4 FY 2020 - 2023 TIP PROJECT LISTING

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

**TABLE 4 FY 2020 - 2023 TIP PROJECT LISTING**

<b>Agency:</b>	<b>Project Description:</b>	<b>Funding Source:</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>4 Year TIP</b>
<b>TRANSIT TOTALS</b>							
			<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>4 Year TIP</b>
	<b>Total Federal Funds:</b>		\$1,618,288	\$1,715,742	\$1,898,000	\$1,748,941	\$6,980,971
	<b>Total State Funds:</b>		\$116,350	\$116,350	\$116,350	\$116,350	\$465,400
	<b>Total Local Funds:</b>		\$975,502	\$1,016,994	\$977,201	\$955,017	\$3,924,715
	<b>Total:</b>		\$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 <b>Installation</b>						
		Performance Measure: Safety	S S MATCH HIGH	\$128,000				\$128,000
		<b>Total Federal Funds:</b>		<b>\$0</b>				<b>\$0</b>
		<b>Total:</b>		<b>\$128,000</b>				<b>\$128,000</b>
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
		<b>Total Federal Funds:</b>			<b>\$3,248,190</b>			<b>\$3,248,190</b>
		<b>Total:</b>			<b>\$3,609,100</b>			<b>\$3,609,100</b>
	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
		<b>Total Federal Funds:</b>			<b>\$1,710,000</b>			<b>\$1,710,000</b>
		<b>Total:</b>			<b>\$1,900,000</b>			<b>\$1,900,000</b>
17	WYDOT	STP-6738002 Parsley Bridge Replacement/ <b>Reconstruction</b>						
		Performance Measure: Bridge	F STP-BR			\$3,916,922		\$3,916,922
		<b>Eng: \$476, Construction: \$3876</b>	S S MATCH HIGH			\$435,213		\$435,213
		<b>Total Federal Funds:</b>				<b>\$3,916,922</b>		<b>\$3,916,922</b>
		<b>Total:</b>				<b>\$4,352,135</b>		<b>\$4,352,135</b>
19	WYDOT	STP-BR-I180021 Warren Ave, Lincolnway to 24th St Pavement Rehab						
		Performance Measure: Pavement	F NHPP			\$2,177,000		\$2,177,000
		<b>Eng: \$457, Construction: \$1949</b>	S S MATCH HIGH			\$229,000		\$229,000
		<b>Total Federal Funds:</b>				<b>\$2,177,000</b>		<b>\$2,177,000</b>
		<b>Total:</b>				<b>\$2,406,000</b>		<b>\$2,406,000</b>

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 <b>Eng: \$501, Construction: \$4055</b>	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 <b>Eng: \$106, Construction: \$713</b>	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
	<b>WYDOT</b>	<b>Dist 1 Slab Repair</b>						
		Performance Measure: Pavement	F STP-PM		\$1,402,965	\$450,000	\$225,000	<b>\$2,077,965</b>
			S S MATCH HIGH		\$155,885	\$50,000	\$25,000	<b>\$230,885</b>
		<b>Total Federal Funds:</b>			<b>\$1,402,965</b>	<b>\$450,000</b>	<b>\$225,000</b>	<b>\$2,077,965</b>
		<b>Total:</b>			<b>\$1,558,850</b>	<b>\$500,000</b>	<b>\$250,000</b>	<b>\$2,308,850</b>
<b>WYDOT TOTALS</b>								
				<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>4 Year TIP</b>
		<b>Total Federal Funds:</b>		<b>\$5,509,277</b>	<b>\$8,323,155</b>	<b>\$8,694,922</b>	<b>\$9,752,879</b>	<b>#####</b>
		<b>Total State Funds:</b>		<b>\$740,141</b>	<b>\$924,795</b>	<b>\$953,213</b>	<b>\$1,083,652</b>	<b>\$3,701,801</b>
		<b>Total Local Funds:</b>		<b>\$0</b>	<b>\$1</b>	<b>\$2</b>	<b>\$3</b>	<b>\$0</b>
		<b>Total:</b>		<b>\$6,249,418</b>	<b>\$9,247,951</b>	<b>\$9,648,137</b>	<b>#####</b>	<b>#####</b>