

2045 Goals, Objectives, Performance Measures, and Targets (GOPMT)

August 2018 TAC Meeting



Value Statement

We seek to provide a multi-modal transportation system that is safe, as well as socially and environmentally sensitive for all users that protects and enhances the region’s quality of life and economic vitality.

	Goal Area 1 Economic Development Quality of Life			Goal Area 2 Mobility			Goal Area 3 Multi-Modal			Goal Area 4 Operations					
MPO GOAL	Foster a transportation system that supports economic development and improves residents’ quality of life			Provide a transportation system that moves people and goods safely, efficiently, and reliably			Provide a multi-modal system that improves accessibility and transportation system continuity			Optimize operations of transportation facilities					
NATIONAL GOALS	Infrastructure Condition			Safety			Infrastructure Condition			Congestion Reduction					
	Freight movement and economic vitality			Congestion Reduction			System Reliability			Freight Movement and Economic Vitality					
	Environmental Sustainability			System Reliability						Reduced Project Delivery Delays					
OBJECTIVES	Conform to air quality requirement	Maintain transportation infrastructure and facilities	Increase investment in infrastructure	Reduce number of severe traffic crashes	Reduce congestion	Improve travel time reliability	Support transportation services for all including the most vulnerable and transit-dependent populations	Increase mode share of non-single occupancy vehicles (SOV) modes	Develop infrastructure that supports alternate modes and connectivity	Invest in Transportation Demand Management techniques to reduce congestion and optimize the system	Implement Intelligent Transportation Systems	Enhance Transit Service in the NFR region	Reduce project delivery time frame		
PERFORMANCE MEASURES & TARGETS	5	2	3	T-1 T-2 T-3	6	1	4	4	6	6	6	4	?	6	?
2045 RTP Policy							Invest in non-motorized projects TDM?			Invest in TDM techniques Invest in ITS infrastructure Invest in Transit Services					







Yellow highlight = NFRMPO staff changes to 2040 RTP objective

Aqua highlight = Requesting TAC input

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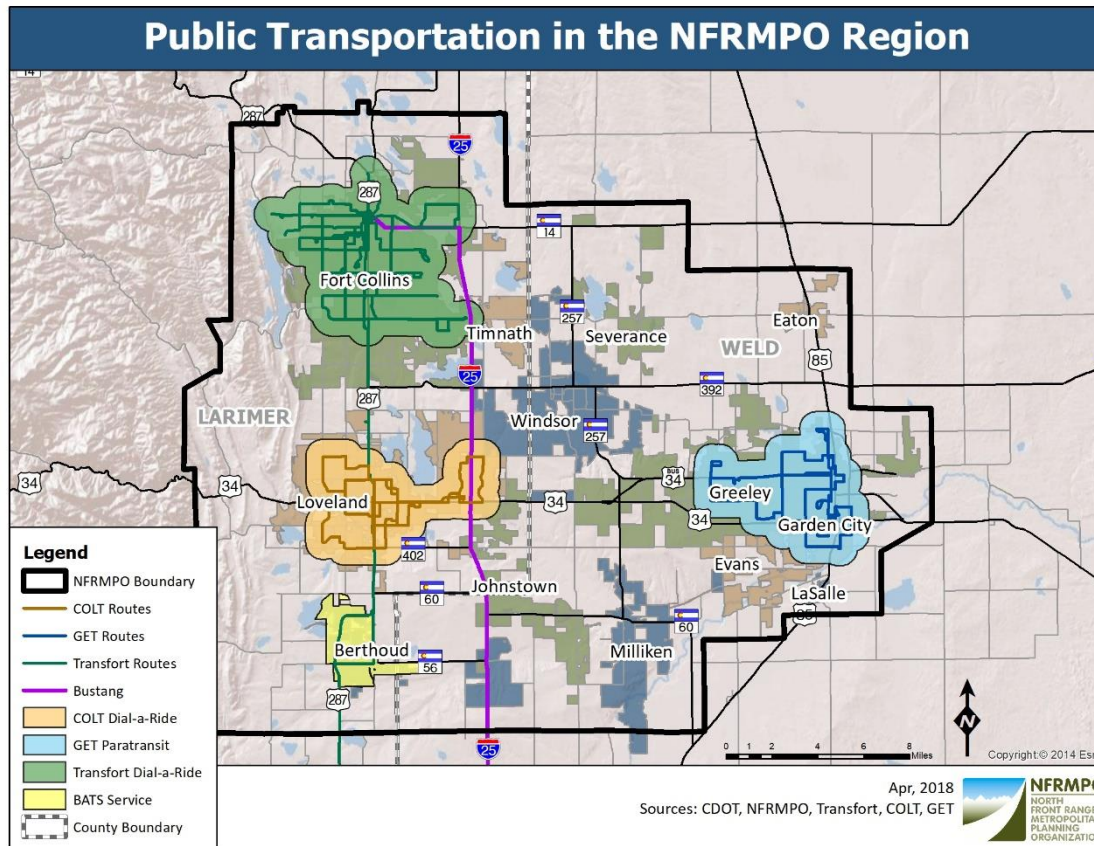
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	PERFORMANCE MEASURE	STATEWIDE TARGET	NFRMPO BENCHMARK (year)	NFRMPO REGION TARGET
1 	SAFETY			
	Number of Fatalities	610	32.8	
	Fatality rate per 100 million vehicle miles traveled	1.2	0.833	
	Number of serious injuries	3,350	202	Adopted State Targets
	Serious injury rate per 100 million vehicle miles traveled	6.79	5.169	
	Number of non-motorized fatalities and serious injuries	586	34.2	
2 	PAVEMENT CONDITION			
	Percent of pavement on interstate System in good condition	47%	TBD	
	Percent of pavement on interstate System in poor condition	1%	TBD	
	Percent of pavement on non-interstate NHS in good condition	51%	TBD	Potentially adopting State Targets
	Percent of pavement on non-Interstate NHS in poor condition	2%	TBD	
3 	BRIDGE CONDITION		(2017)	
	Percentage of NHS bridges classified as in good condition	44%	50%	Potentially adopting State Targets
	Percentage of NHS bridges classified as in poor condition	4%	7%	
4 	RELIABILITY (System Reliability and Freight Movement)		(2016)	
	Percent of person-miles traveled on Interstate system that are reliable	81%	100%	
	Percent of person-miles traveled on non-Interstate NHS that are reliable	64%	79%	Potentially adopting State Targets
	Truck travel time reliability index	1.5	1.47	
5 	AIR QUALITY (CMAQ)/ENVIRONMENTAL SUSTAINABILITY		(2013-2016)	
	VOC Reduction	105 kg/day	3.58	
	Carbon Monoxide (CO) Reduction	1,426 kg/day	56.9	Potentially adopting State Targets
	Nitrogen Oxides (NOx) Reduction	105 kg/day	0.13	
6 	NFRMPO-SPECIFIC			
	Population and essential destinations within paratransit and demand response service area within the MPO boundary		63%	At least 75%
	Non-motorized facility miles		3352	Increase by 50%
	Percent of non-single occupant vehicle commute trips		23%	At least 33%
	Fixed-route revenue hours per capita within service areas		0.65	Increase by 10%
	Daily VMT per capita		24	Daily VMT per capita ≤ 24
	MPO-funded Projects delivered by Federal Completion Date		TBD	TBD
	Travel Time Index on RSCs		TBD	90% of RSCs have a TTI ≤ 1.5
Percent NHS miles covered by ITS		TBD	TBD	

NFRMPO-Specific Performance Measures and Targets



- Population within paratransit and demand response service area within the NFRMPO boundary



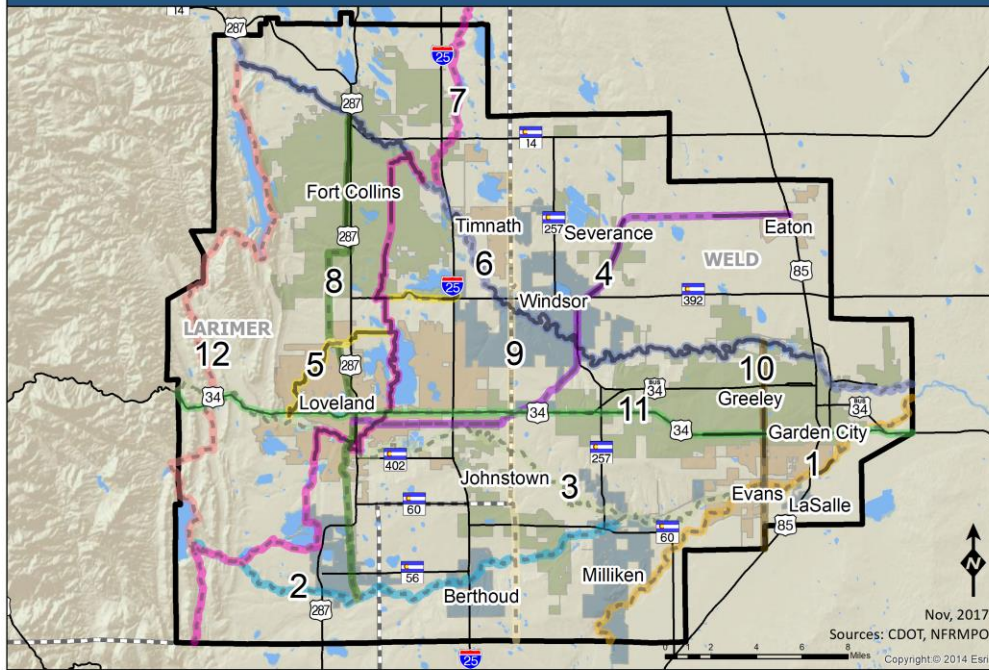
Benchmark (2016)	Target (2045)
63%	75%

NFRMPO-Specific Performance Measures and Targets



- Non-motorized facility miles - Trails/shared-use paths, bike lanes, sidewalks

Regional Non-Motorized Corridors



Legend		
— Existing Regional Trail	4: Great Western/Johnstown/Loveland	9: Johnstown/Timnath
- - - Future Regional Trail	5: North Loveland/Windsor	10: Greeley/LaSalle
1: South Platte/American Discovery Trail	6: Poudre River Trail	11: US 34 Non-motorized
2: Little Thompson River	7: Front Range Trail (West)	12: Carter Lake/Horsetooth Foothills Corridor
3: Big Thompson River	8: BNSF Fort Collins/Berthoud	NFRMPO Boundary
		County Boundary

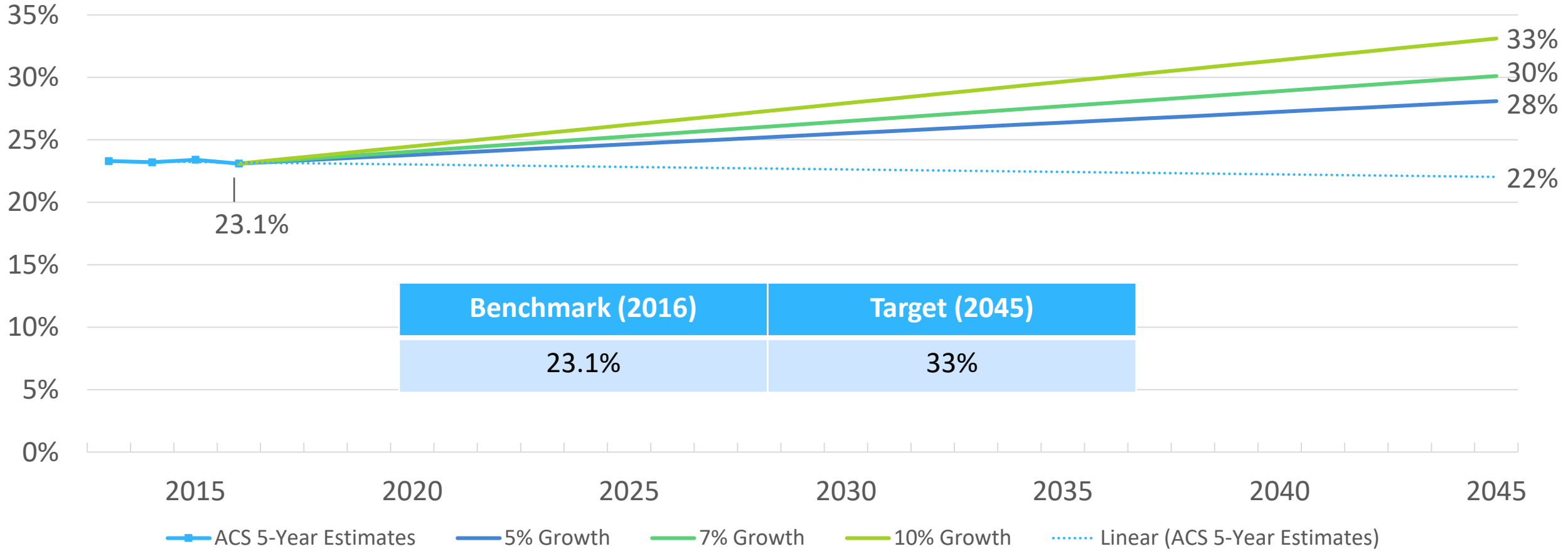
Benchmark (2016)	Target
3,352 miles	5,016 miles

Type of Facility	Where are we now? (2016)	Where do we want to be? (2045 Target)	Percent Increase (2016 to 2045)
Sidewalks	2,474 miles	3,318 miles	34%
Bikes Lanes	685 miles	1,090 miles	59%
Trails / Shared-Use Paths	193 miles	607 miles	215%
All Non-Motorized Facilities	3,352 miles	5,016 miles	50%

NFRMPO-Specific Performance Measures and Targets



Projected Growth in Percent of Commute Trips Made via a Non-SOV Mode



NFRMPO-Specific Performance Measures and Targets



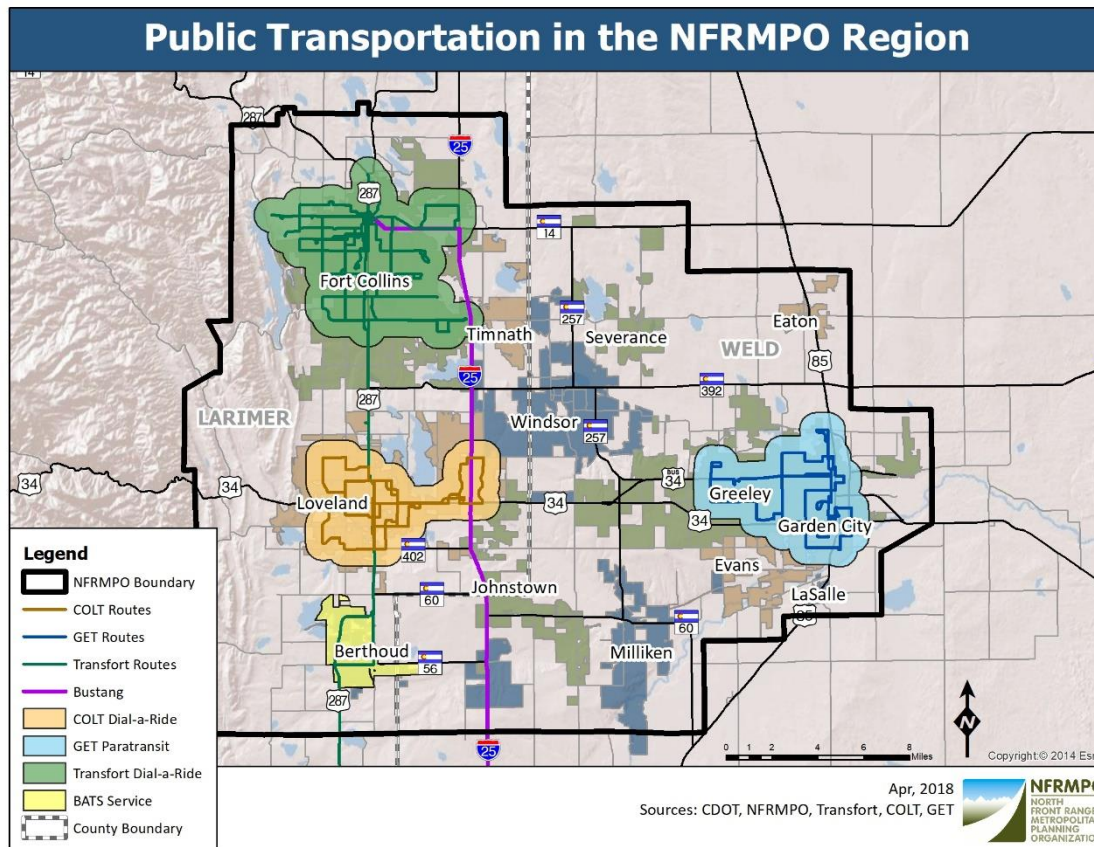
	Benchmark (2016)	Target (2045)			
Commute Mode	23.1%	22% (ACS 5-Yr Estimate Linear Trendline)	28%	30%	33%
Drive Alone / SOV	181,554	336,521	310,201	301,572	288,627
Non-SOV	54,559	94,956	121,276	129,906	142,850

Sources: 2016 DOLA Population Estimates, 2045 DOLA Population Projections, and ACS 2011-2016 5-Year Estimates of Workers Age 16 and Older

NFRMPO-Specific Performance Measures and Targets



- Fixed-route revenue hours per capita within service areas

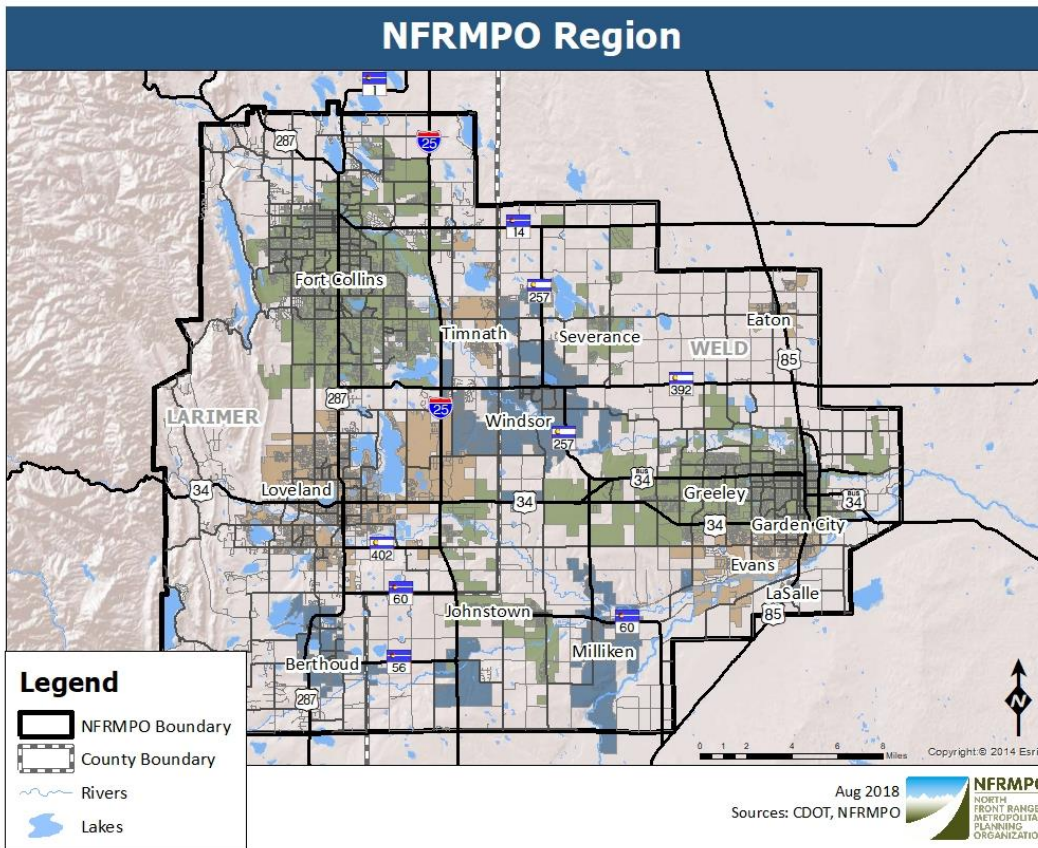


Benchmark (2016)	Target (2045)
0.65	Increase by 10%

NFRMPO-Specific Performance Measures and Targets



- $$\text{Daily VMT per capita} = \frac{\text{Daily VMT}}{\text{2016 Population}}$$

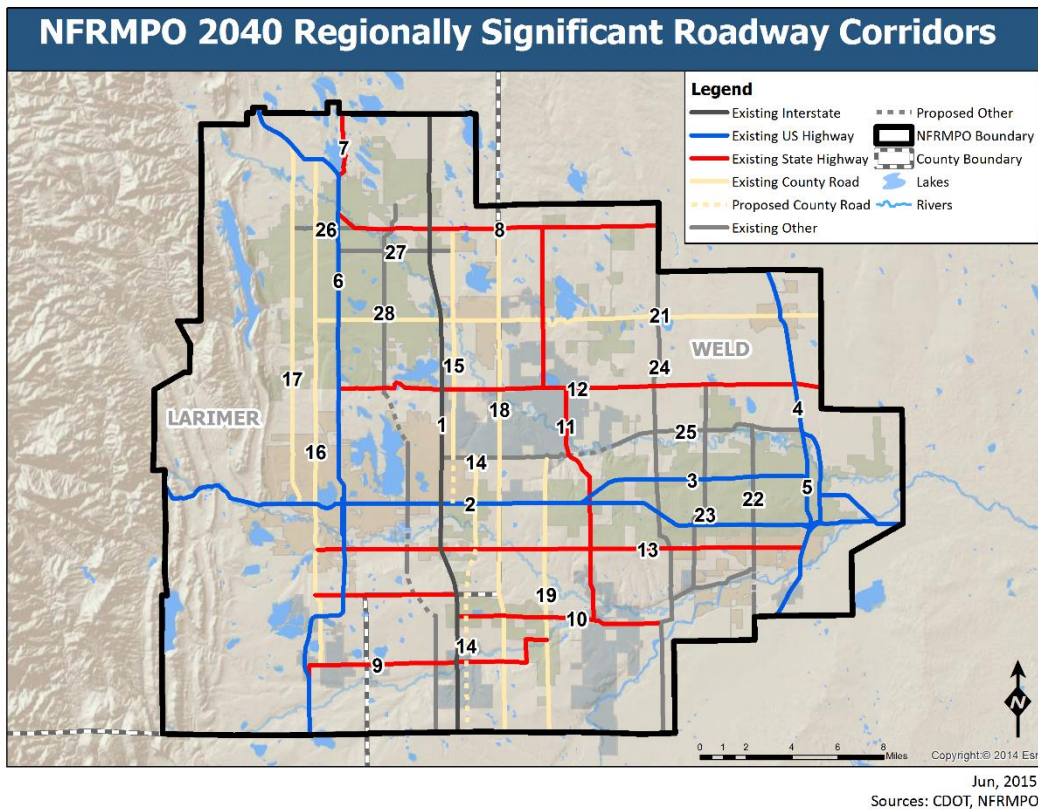


Benchmark (2016)	Target (2045)
24	Daily VMT per capita ≤ 24

NFRMPO-Specific Performance Measures and Targets



- Travel Time Index on RSCs



Benchmark (2017)	Target (2045)
90%	90% of RSCs have a TTI ≤ 1.5

NFRMPO-Specific Performance Measures and Targets



TAC input needed on:

- MPO-funded Projects delivered by Federal Completion date

Waiting for data:

- Percent NHS miles covered by ITS

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Percent of Commute Trips Made via a Non-SOV Mode



Commute Mode	2016 Estimates	2045 (22% Non-SOV commute mode share)	2045 (28% Non-SOV commute mode share)	2045 (30% Non-SOV commute mode share)	2045 (33% Non-SOV commute mode share)
SOV (Drive Alone)	181,554	336,522	310,202	301,572	288,628
Non-SOV	54,559	94,956	121,276	129,906	142,850
Carpool	22,335	38,872	49,647	53,180	58,479
Public Transportation	2,479	4,315	5,510	5,903	6,491
Taxicab	34	59	76	81	89
Motorcycle	755	1,314	1,678	1,798	1,977
Bicycle	6,907	12,021	15,353	16,446	18,084
Walk	6,271	10,914	13,939	14,931	16,419
Other	1,610	2,802	3,579	3,833	4,215
Work at Home	14,168	24,658	31,493	33,734	37,096