

Preliminary Scenarios - Performance Measures

July 10, 2014

Cluster	Performance Measure	Unit of Analysis	2012 Base Year	Allowable Uses	Emerging Lifestyles	Balancing Jobs & Housing
Access	1 Proximity to Activity Centers	Households within 1 mile	50,616	89,053	87,679	90,338
	2 Proximity to Transit	Households within 1/4-mile	1,358	10,800	12,876	9,579
	3 Proximity to Bicycle Facilities	Households within 1/4-mile	110,421	151,309	153,955	155,286
	4 Proximity to Schools	Households within 1/2-mile	129,487	168,253	164,939	163,565
Land Use	5 Jobs/Housing Mix in Activity Centers	Employment divided by households	2.76	2.49	2.46	2.21
	6 Proximity to Key Corridors	Employment within 500'	46,705	54,520	56,699	60,377
	7 Lane Miles	Estimated total lane miles in 2040	24,609	24,609	24,623	24,791
	8 New Land Developed	Total acres of developed land	162,788	245,378	241,224	245,321
Roadway System Performance	9 Systemwide Speed	PM peak hour average speeds (miles per hour)	36.44	19.21	23.11	21.44
	10 VHD - Vehicle Hours of Delay	PM peak hour delay (model speed vs. posted speed) for all roadways	12,927	88,264	59,664	72,450
	11 VHT - Vehicle Hours Traveled	Total driving time for all roadway users during pm peak hour	50,778	149,555	118,007	133,254
	12 VMT - Vehicle Miles Traveled	Daily value for all roadway vehicle travel	20,335,265	31,807,335	30,295,936	31,984,758
	13 Percentage of Network in Congested Conditions	Percentage of total network with V/C > 1.0 during PM peak hour	5.7%	20.9%	18.7%	19.2%
Transit System Performance	14 Congested Conditions along Freight Corridors	Percentage of freight network with V/C > 1.0 during PM peak hour	1.0%	25.0%	24.1%	23.3%
	15 Transit Ridership	Percent increase over base year	- na -	31.2%	36.2%	28.6%
River Crossing Conditions	16 Transit Passenger Miles Traveled	Percent increase over base year	- na -	90.5%	92.4%	85.3%
	17 River Crossing - Volume to Capacity Ratio	PM peak hour volumes relative to lane capacity	0.76	1.20	1.15	1.12
Economic Competitiveness	18 River Crossing Trips	Daily value for all roadway vehicle travel across the Rio Grande	592,609	873,122	831,338	817,189
	19 Proximity to Employment Sites	Households within 1 mile	33,729	46,998	53,711	47,870
	20 Average Commute Time	Travel time for work trips from home to work (minutes)	17.43	35.32	25.03	28.38
Safety	21 Estimated Gross Regional Product	Relative differences reflect the value of increased network efficiency	\$38.41 Bil	\$73.04 Bil	\$73.11 Bil	\$72.99 Bil
	22 Safety - High Crash Risk Locations	Percent increase in crashes per 100 million vehicle miles traveled over base year	- na -	86.1%	87.5%	86.6%
Sustainability & Resiliency	23 Emissions Levels	CO ₂ tonnes per day / Change in CO ₂ per Capita (kg/day/person)	11,282	16,200 / -5.2%	14,752 / -13.7%	15,906 / -7.0%
	24 Water Consumption	<i>Under development</i>				
	25 Development in High Flood-Risk Areas	Emp + Housing in FEMA 100-Year Floodplains	34,190	66,924	69,770	53,321
	26 Development in Forest Fire Risk Areas	Weighted value based on emp + housing in wildland-urban interface areas	3.11	4.47	4.55	4.68
	27 Development in Crucial Habitat Areas	Weighted value based on emp + housing in priority ranking areas	5.73	7.46	7.57	7.30