

Table A.2. Data Needs of Transit Operators

Transit Planning Function	Data Elements/Messages
Corridor Analysis planning	strategic transportation planning data (see Strategic/Business planning, below)
	travelers per vehicle data
	vehicle emissions data
	emissions impact data
	multimodal construction cost data
	multimodal construction cost projections
	multimodal operating cost data
	multimodal operating cost projections
	multimodal replacement/renewal cost data
	multimodal replacement/renewal cost projections
	multimodal performance data (reliability, performance, variation)
	multimodal performance projections
	multimodal travel/shipping cost data
	multimodal travel/shipping cost projections
	multimodal mobility impact data
	multimodal mobility impact projections
	multimodal land development impact data
	multimodal land development impact projections
	multimodal economic impact data
	multimodal economic impact projections
multimodal customer satisfaction projections	
Maintenance planning	system reliability data
	time-to-repair data
Market Research	strategic transportation planning data
	Corridor analysis planning data
	demographic data
	customer expectation data
	customer expectation projections
	highway performance data (O-D travel time, reliability)
	highway performance projections
	highway travel cost data
	highway travel cost projections
	airline performance data
	airline performance projections
	airline travel cost data
	airline travel cost projections
	competing transit carrier performance data
	competing transit carrier performance projections
	competing transit carrier travel cost data
	competing transit carrier travel cost projections
	transit performance data
	transit performance projections
	transit travel cost data
fare elasticity data	
fare elasticity projections	
transit travel cost projections	

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Transit Planning Function	Data Elements/Messages
New Project planning (including Major Investment Studies and environmental impact reports)	zoning data
	hardware/software maintenance data
	hardware/software reliability data
	construction cost data
	construction cost projections
	operating cost data
	operating cost projections
	replacement/renewal cost data
Operations planning (including day-to-day scheduling and headways)	replacement/renewal cost projections
	Ridership
	Accident data
	Claims data
	Maps
	Weather
	Demographics
	Passenger Travel Times
	Running Time
	Signal Timing
Roadway Conditions	
Research and development planning	Service Disruptions
	Time-to-market data
	Implementation time variance data (planned versus actual)
	capital cost variance data (planned versus actual)
	operating cost variance data (planned versus actual)
	performance variance data (planned versus actual)
Service planning (including route locations, scheduling and runcutting)	reliability variance data (planned versus actual)
	usage/utility variance data (planned versus actual)
	strategic transportation planning data
	corridor analysis planning data (above)
	transit market research/business planning data (above)
	crime statistics
	modal performance data
	modal performance projections
	modal operating cost data
	modal operating cost projections
highway performance data	
highway performance projections	

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Transit Planning Function	Data Elements/Messages
Strategic/Business planning	map data
	current demographics
	journey-to-work data
	journey-to-school data
	movement-of-goods data
	recreational travel data
	current travel demand
	current travel constraints
	land development strategy
	mobility management strategy
	zoning data
	forecast demographics
	forecast travel constraints