

What Is Streetcar?

- The modern streetcars are electric powered rail transit
- They are generally smaller vehicles (one-car articulated trains)
- The streetcar operates in mixed flow, where the tracks intermingle with personal vehicles
- Streetcars have frequent stops at typically simple boarding platforms
- Modern streetcar operating in Portland, Tucson, Kansas City, Cincinnati, Seattle, Washington D.C.
- Other U.S. cities have streetcar systems that use vintage vehicles
 - Tampa, San Francisco, Kenosha, New Orleans



What is Local Bus?

- Local bus refers to standard fixed routes that run Monday through Friday from 5:30 AM to 7:00 PM. Nine routes run on Saturday from approximately 6:30 AM to 7:00 PM.
- Routes operate at frequencies of 30 to 60 minutes.
- Fourteen of the 18 routes access the terminal in downtown Colorado Springs.



What is Enhanced Bus?

- Enhanced bus services can take a variety of forms including:
 - Extended services hours
 - Increased frequency of service
 - Service adjustments to improve operations
- Bus service enhancements may require the purchase of additional buses but generally do not include physical improvements or changes to existing streets.



Articulated- Single vehicle that has two or more sections connected by a flexible joint

What is Light Rail Transit (LRT)?

- LRT is an electrically powered rail transit that operates in semi-exclusive right-of-way (cars drive across but not along the tracks)
- Generally LRT operates with 1- to 3-car trains
- Stations generally half-mile to 1-mile apart
- Operating in Minneapolis, Portland, Denver, Dallas, Pittsburgh, St. Louis, Charlotte, San Diego, Cleveland, Salt Lake City...



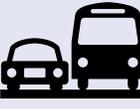
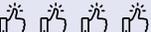
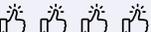
What Is Bus Rapid Transit (BRT)?

- BRT is an upgraded form of bus service that combines enhanced vehicles, stations, services, runningways¹ and information technologies into an integrated transit system, generally with a strong image or identity
- Treatments range from simple to complex with a focus on convenience and travel time savings
 - BRT 'light' or arterial BRT operates primarily alongside traffic on existing streets
 - BRT 'heavy' operates primarily in dedicated runningway¹



¹Runningway - The linear component of a transit system that forms the right-of-way reserved for vehicle movement

Transit Modes and Characteristics

Mode	Peak Frequency <i>How often does a typical bus, train or streetcar arrive at a stop during the peak period?</i>	Runningway <i>Does a typical bus, train or streetcar travel in mixed traffic or its own, dedicated lane?</i>	System Length <i>From end-to-end, how far does the typical bus, train, or streetcar travel?</i>	Capital Costs <i>What is the relative cost to construct this mode? (Cost per Mile)</i>	Passenger Amenities <i>Given the system, how likely would riders divert from driving alone?</i>	Influence on Development <i>What is the likelihood that transit investment will attract new economic development?</i>	Station Spacing <i>What is the average mileage between each station for this mode?</i>	Daily Boardings <i>How many riders per day need to use the system to justify the investment?</i>
Local Bus 	Every 15 to 60 minutes		5-15 miles	\$	x	Unlikely to impact development	 1/8 - 1/4 mile	100 to 5,000
Enhanced Bus 	Every 5-15 minutes		5-15 miles	\$		Unlikely to impact development	 1/4 - 1/2 mile	2,500 to 15,000
Bus Rapid Transit Light 	Every 5-15 minutes		5-20 miles	\$\$		May incentivize development around stations	 1/2 - 1 mile	5,000 to 15,000
Bus Rapid Transit Heavy 	Every 5-15 minutes		5-20 miles	\$\$\$		Will likely incentivize development around stations	 1/2 - 1 mile	10,000 to 15,000
Streetcar 	Every 5-15 minutes		2-10 miles	\$\$\$		Incentivizes development along the transit corridor	 1/8 - 1/2 mile	3,000 to 8,000
Light Rail Transit 	Every 5-15 minutes		5-20 miles	\$\$\$\$		Highly incentivizes development around stations	 1/2 - 1 mile	15,000 to 50,000

\$ \$2 - 5 Million/Mile
 \$\$ \$5 - 20 Million/Mile
 \$\$\$ \$20 - 50 Million/Mile
 \$\$\$\$ \$50 - 100 Million/Mile