

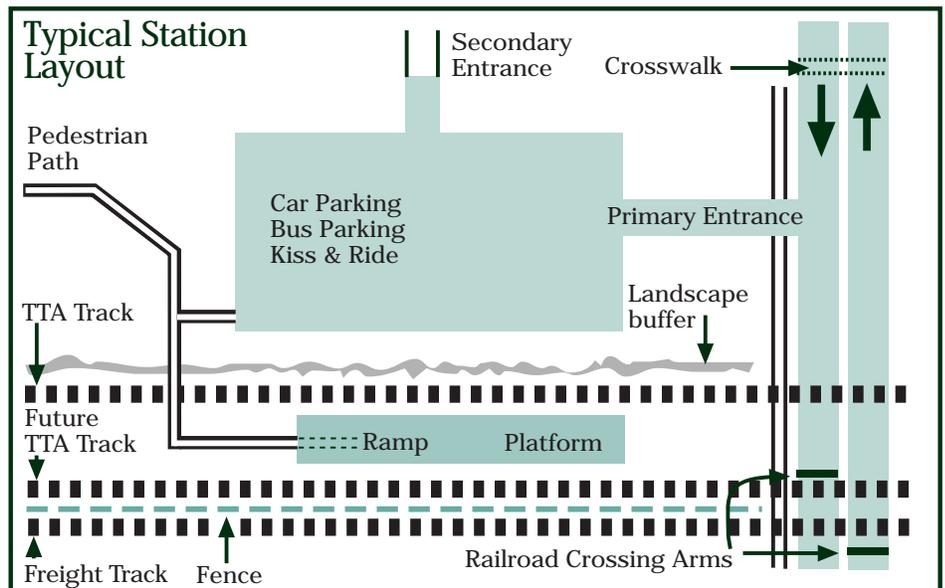
WHAT WILL THE STATIONS INCLUDE?

The Basic Components

- ▶ **Trains** - Regional rail trains are self-propelled, diesel-powered vehicles also called diesel multiple units (DMU). They can be coupled to form 2 to 3 trainsets, 150 to 250 long and 10 feet wide. DMUs are bi-directional and articulated to permit tighter turns. They may be operated in existing rail corridors, along-side freight and other passenger trains.
- ▶ **Tracks** - TTA anticipates operating on its own railroad tracks with passing sidings—one-mile sections of parallel tracks, allowing TTA's trains to operate simultaneously in both directions and avoid conflicts with other trains. Some stations will have TTA tracks on both sides of the platform, while others will initially only have tracks on one side.
- ▶ **Platforms** - transit users will access the train from a paved platform about 24 feet wide and 450 feet long. This will provide sufficient length for all the train doors to open onto the platform. The platforms are about 48 inches above the tracks making them level with the floor height of the train and thus avoiding steps. The tracks at the station must be straight and level to ensure that the "gap" between the platform and the train floor is consistently narrow-3".
- ▶ **Shelter** - to protect transit users from inclement weather, each platform will include a shelter covering a portion of the platform. Benches and/or "leaning bars" will also be provided on the platforms.



Regional Rail Station in Japan



- ▶ **Ramps, Tunnels & Stairs** - to ensure universal accessibility, ramps will be used to connect passengers from parking areas and adjacent walkways to the platform. Tunnels may also be used to move passengers under the freight tracks and onto TTA's platforms.



"Flexliner" Regional Rail demonstration in Cary, NC

- Stations will also include stairs and in limited circumstances elevators will be included.
- ▶ **Pedestrian & Bicycle Access** - railings and other barriers will be used to define safe pedestrian, wheelchair and bike routes for regional rail passengers. Pedestrians will be able to cross TTA's tracks at grade but freight and other railroad tracks may only be crossed in conjunction with at-grade roadway crossings and bridges. Each station will have bike racks.
- ▶ **Bus & Shuttle Access** - At most regional rail stations shuttle, feeder, local and/or regional buses will deliver and pick up passengers from on-site bus parking areas near the platforms, or buses will use on-street bus stops and pull-offs.
- ▶ **Kiss & Ride** - Some rail stations will provide separate drop-off and waiting areas for motorists delivering or waiting for regional rail passengers.
- ▶ **Fareboxes** - Transit passengers will be able to use passes or buy tickets from fareboxes that may be mounted on the platform or installed in the train.
- ▶ **Parking** - Depending on the role of the station, some stations will have park and ride lots while other stations may have little or no designated parking. Special care will be taken to ensure that commuter parking does not spill over into residential neighborhoods or conflict with businesses.