

# Public Transportation Overview



(Source: <http://www.metro-magazine.com/sustainability/news/292586/cleveland-st-buys-naming-rights-for-new-rt-a-bus-line>)

Public Transportation Systems Make  
Communities Run

Transit Workers Make Public  
Transportation Systems Run



Only

FOR REVIEW PURPOSES

# Outline

- I. Overview
- II. Public Transportation Benefits Our Communities
- III. Career Opportunities
- IV. Technology in Public Transportation
- V. Summary

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# Outline

- Define public transportation and related terminology
- List and describe public transportation services
- Describe briefly the basic evolution of public transportation
- Describe briefly how public transportation is funded
- List and describe the benefits provided by public transportation
- Provide examples of the impact when transit fails
- List broad categories of employment in public transportation
- Describe the role of labor unions in transit
- Provide examples of career ladders in transit
- List and describe the current uses and roles of technology in transit
- List and describe the green transit technologies
- List and describe future technologies being developed in the industry

### Small Group Activity 1 - What's Inside Public Transportation?

In small groups, look at the items on the following pages and match the appropriate key term(s) to them. Note that each term may be used more than once.

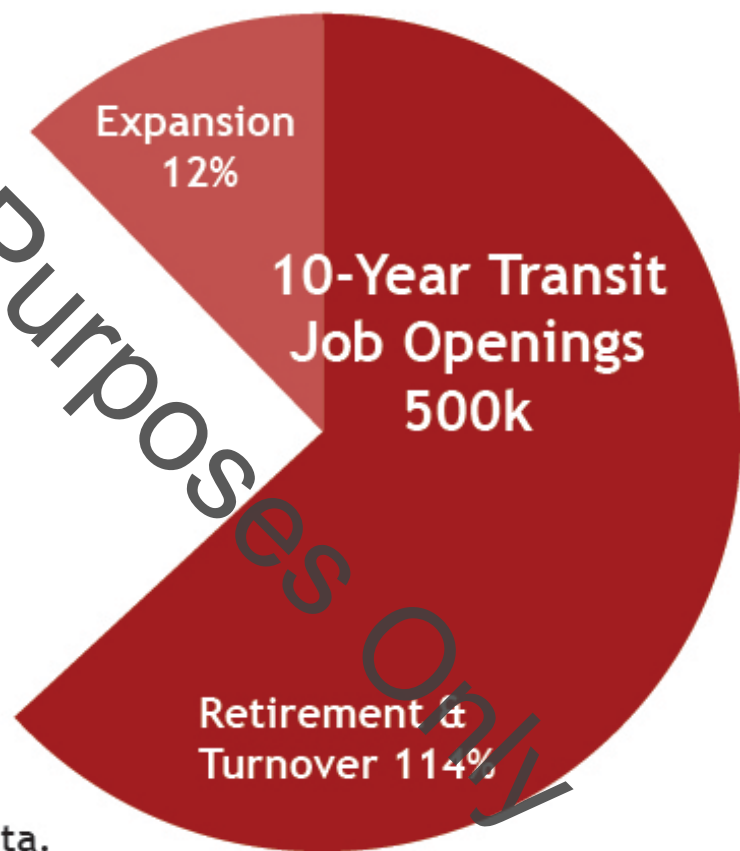


You will have 10 minutes!

- Paratransit
- Track Workers
- Electronic Diagnostics
- Vehicle Maintenance
- Green Technology
- Common Transit Employee Benefit
- Transit Jobs Openings within Next Decade
- Community Service Accessible by Transit
- Average wage for transit vehicle maintainers
- GPS
- Online Trip Planner
- Transportation Mode
- Fare & Entry System
- Command/Control Center
- High Speed Rail MPH
- Transit Trips In US

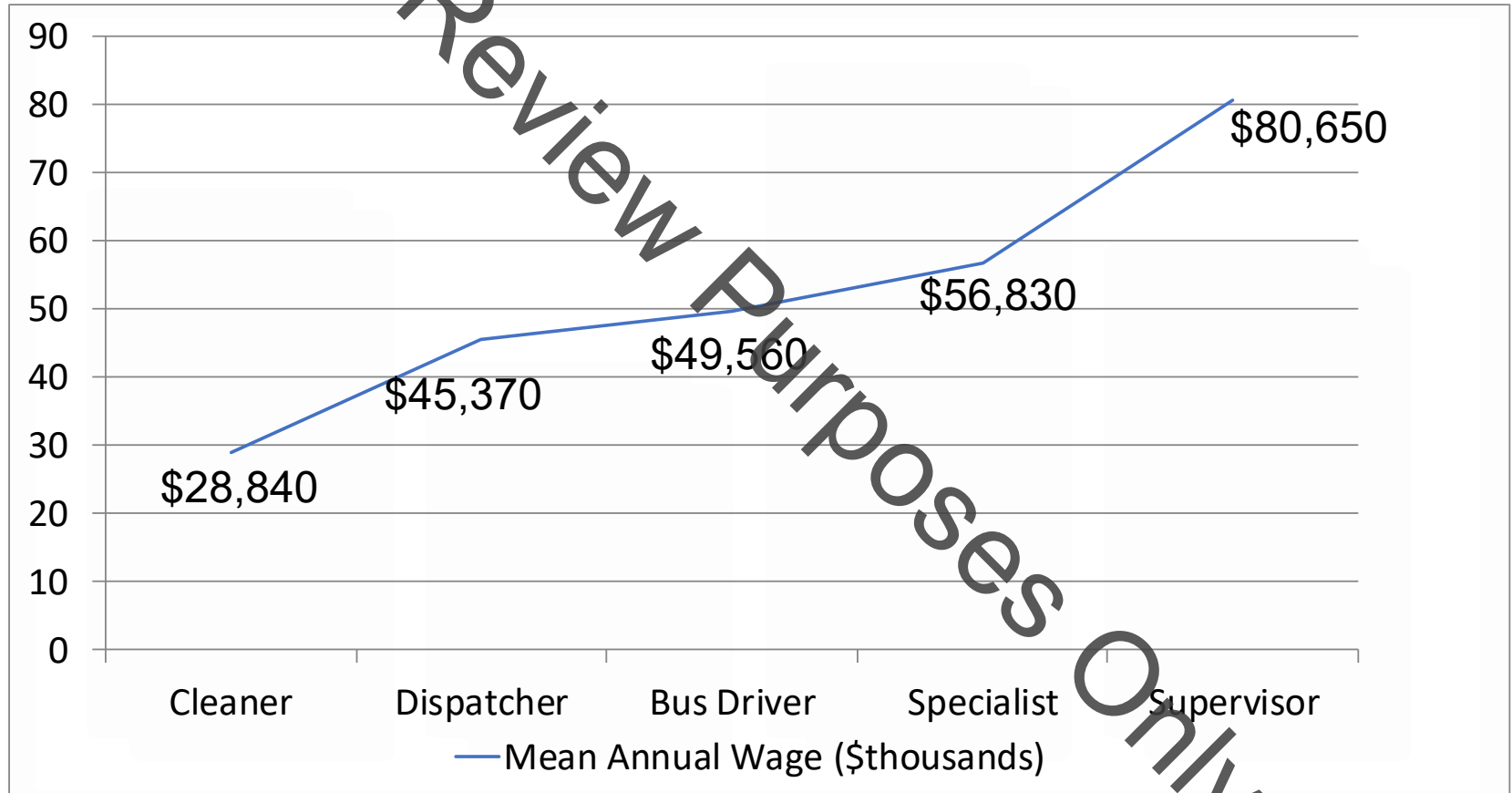
## Challenge: Retirement and Growth

126 Percent of Today's Transit Workforce  
Will Have to Be Hired and Trained in the Next 10 Years  
90 percent are frontline workers



Source: TLC Analysis of BLS and NTD data.

# Career Ladder Wage Example: Annual Mean Wages in California



Source: BLS

# TC3 Videos – Workers Talking About Their Work and Career Trajectories



Gwendolyn Gibson - Rail Vehicle Maintainer, SEPTA



Theo Hamilton – ATU 1447 President, TARC



Diego Carrillo - Light Rail Technical Training Supervisor, VTA



Elmer Coppage - Deputy Director of Training & Development, MD MTA

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# Green Technology in Public Transportation

- Protecting the environment through expanding use of **green alternatives**
  - Hybrid
  - Full electric
  - Natural Gas
  - Diesel
  - Solar
  - Regenerative braking
- Currently used throughout the system
- Constantly evolving



(Source: <http://www.nextstopstl.org/>)

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