

International Drive Transit Feasibility & Alternative Technology Assessment

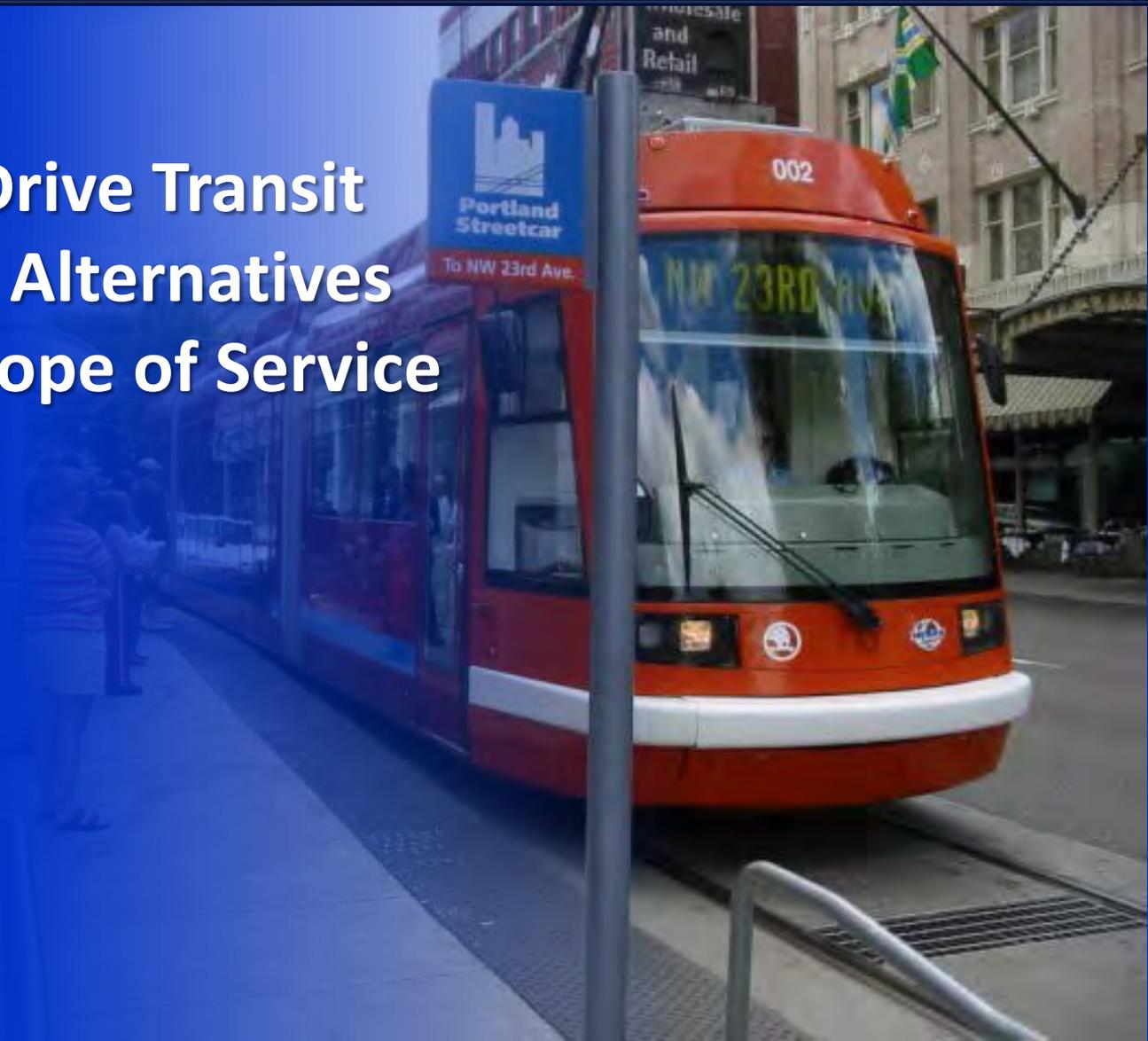
International Drive Business Improvement District

Advisory Board Meeting December 13, 2017



Presentation Outline

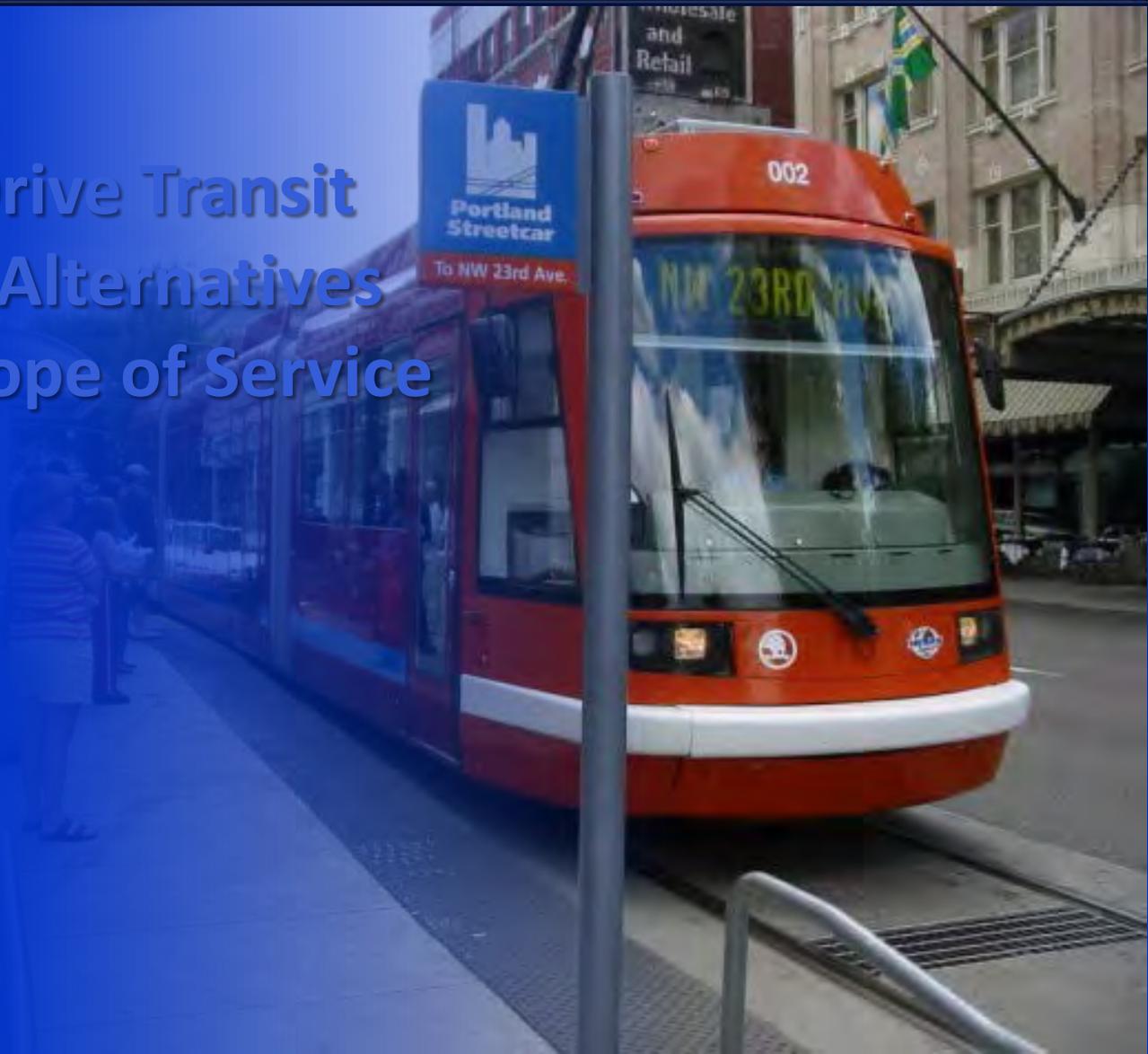
- Background
- International Drive Transit Feasibility and Alternatives Assessment Scope of Service
- Next Steps





Presentation Outline

- **Background**
- **International Drive Transit Feasibility and Alternatives Assessment Scope of Service**
- **Next Steps**





Background

- I-Drive, The Premium Transit Destination
 - Central Florida Light Rail
 - Florida High Speed Rail
 - American Maglev
 - EMMI/Globalvia
 - All Contemplated I-Drive Connection





Background

I-Drive, The Premium Transit Destination

I-Ride Trolley

- Began Service in 1997 (20 Years)
- 24 Mile Route (Red & Green Lines)
- Major Boulevard Area to Orlando Vineland Premium Outlets
- 1.754M Person Trips in 2016
- Over Capacity During Last 10 Years





Background

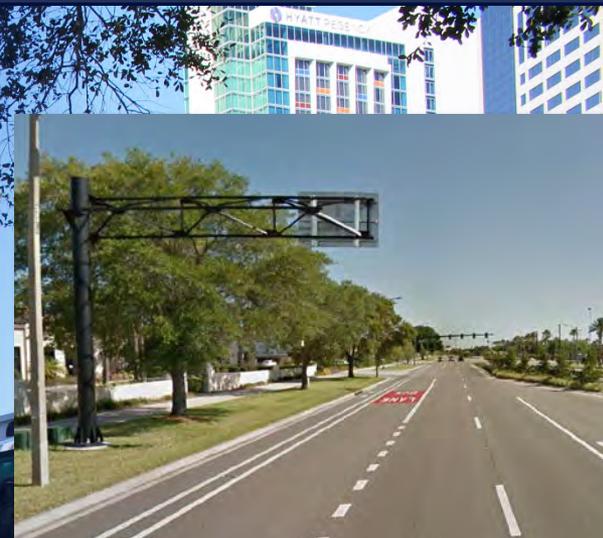
▪ I-Drive, The Premium Transit Destination

– North I-Drive Improvements

- Bus Lanes & Ped Improvements 2014
- Oak Ridge Road to Universal Boulevard

– LYNX

- Links 8, 38, 42 and 58
- 21 Bus Stops Along Corridor
- 2,268 Boarding/Alightings Per Day, 800k Per Year



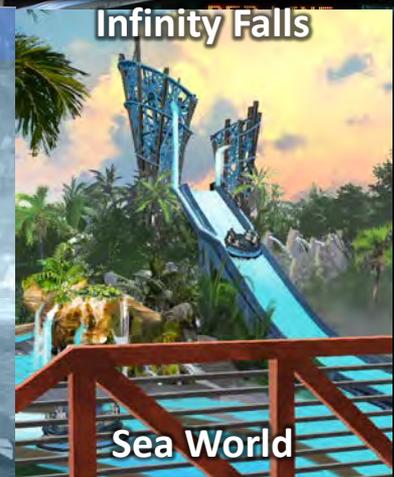
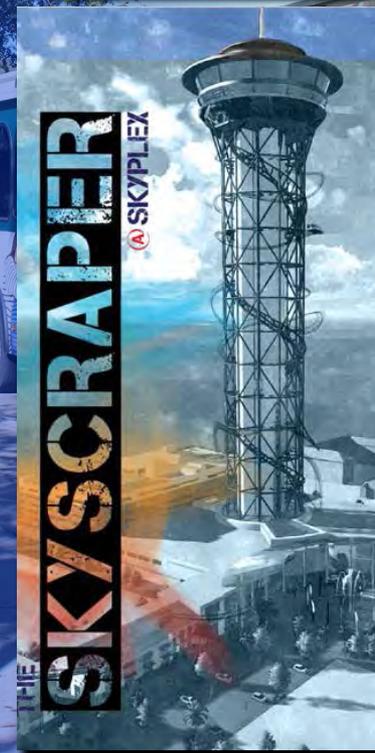


Background

▪ I-Drive, The Premium Transit Destination

– **The Reason:** I-Drive Business Improvement District Reports

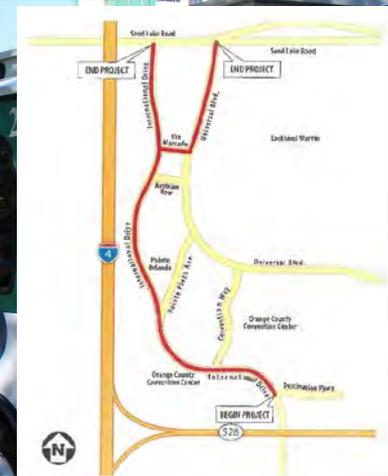
- 2017 & Beyond More than \$2 Billion of High-Profile Development Planned Through 2022





Background

- I-Drive, The Premium Transit Destination
 - I-Drive Transit Lanes
 - Design to Finish June 2018
 - Relieves Congestion, Accommodates I-Ride Trolley and Charter Buses
 - Connection to Future Convention Center Circulator





Background

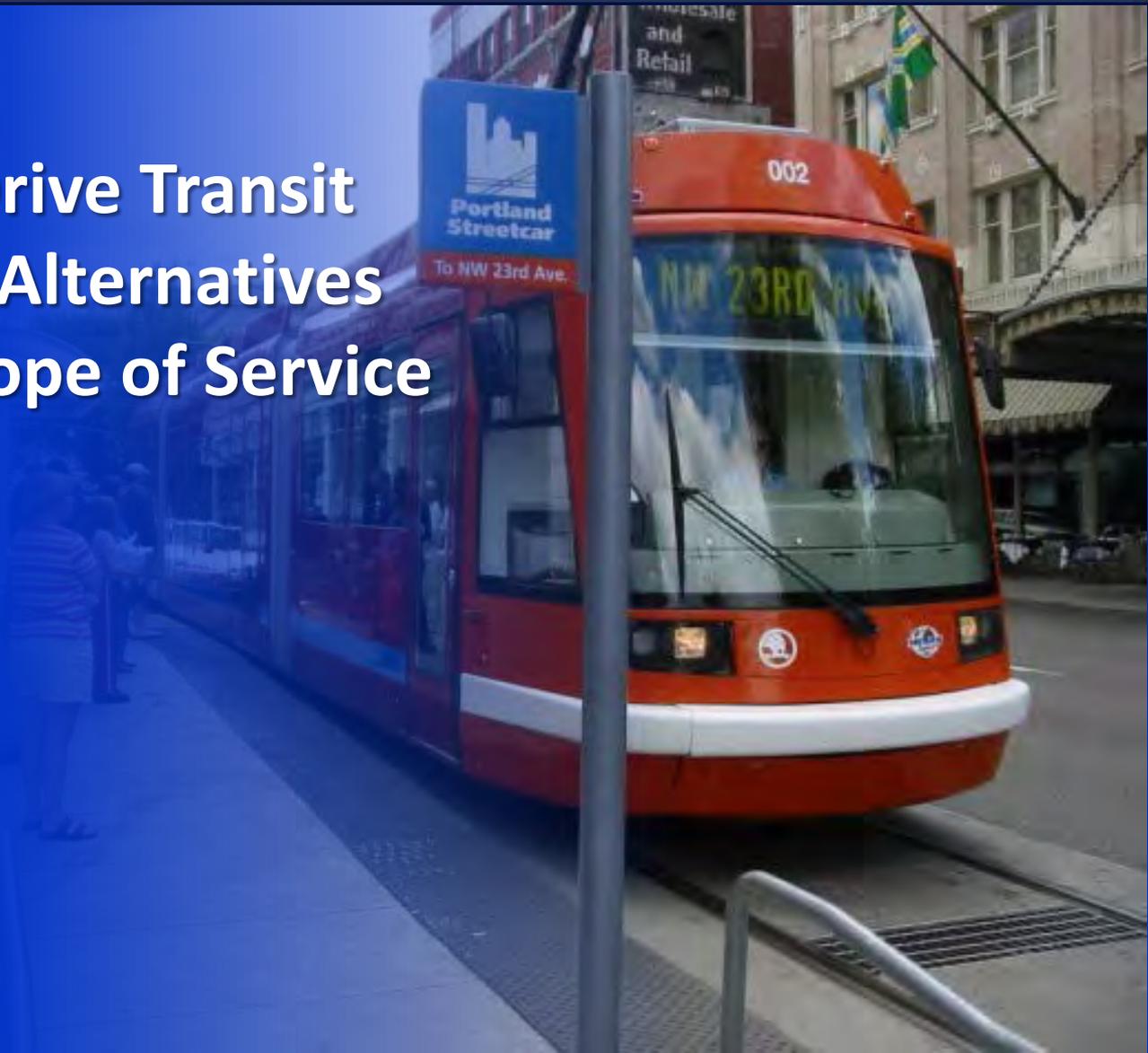
- I-Drive, The Premium Transit Destination
 - I-Drive District 2040 Strategic Vision
 - Vision Document 2016
 - Code 2017
 - Premium Transit Connecting Districts





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Scope of Service

▪ Feasibility

–Validate Viability of Premium Transit

- Public Outreach
- Purpose & Need
- Setting Goals and Objectives
- Environmental Effects
- Current/Future Traffic Conditions
- Current/Future Transit Ridership

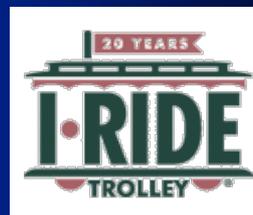
TECO (2.7m)

273,500 or 101,296 per mile



Seattle Streetcar (3.8m)

707,700 or 186,236 per mile



1,754,224

or 116,948/mile



Portland Streetcar (7.35m)

5,627,687 or 765,671 per mile



New Orleans Streetcar (22.3m)

8,048,400 or 360,914 per mile





Scope of Service

▪ Alternatives Analysis

– Evaluation Criteria

- Effectiveness
- Cost Analysis
- Financial Feasibility

– Alignment Development

– Conceptual Design

- Typical Road Sections
- Right-of-way Impacts
- Station Locations
- Utilities





Scope of Service

- **Alternative Analysis**
 - **Conceptual Design (cont.)**
 - Geometric Constraints
 - Access Management
 - Drainage
 - Comparison/Decision Matrix
 - **Evaluation of Proposed System**
 - Operational Plan
 - Ridership Forecast
 - Capital Costs
 - O&M Cost Estimates





Scope of Service

- **Station Locations**
 - Median Platform (2040 Vision)





Scope of Service

- **Station Locations**
 - Curbside Platform





Scope of Service

Maintenance Facility Needs

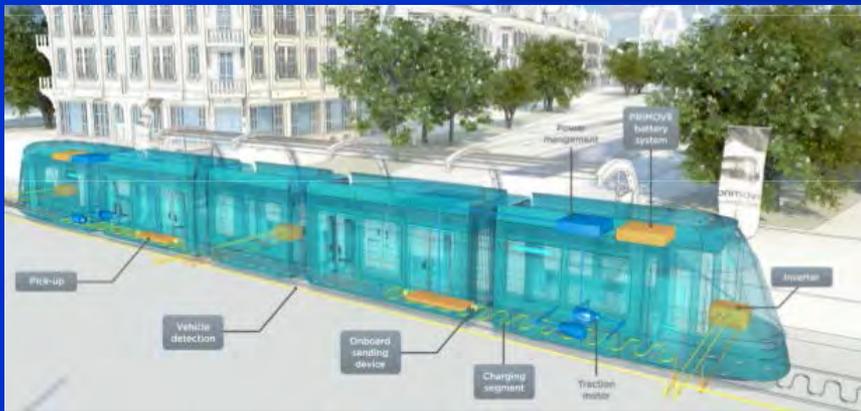
– Destination Parkway





Scope of Service

Power Stations and Distribution





Scope of Service

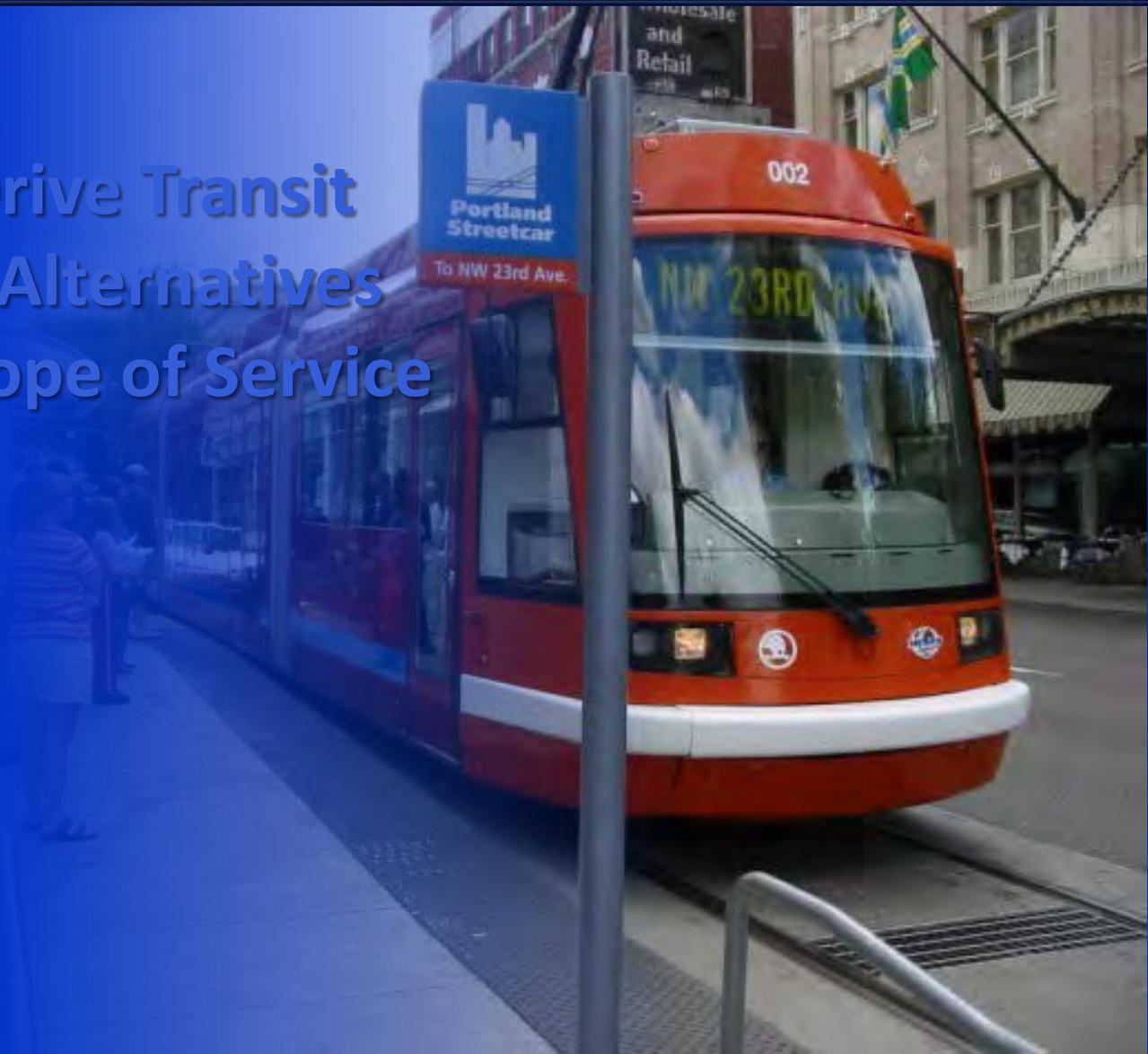
- **Implementation Plan**
 - Phasing Plan
 - Programming Strategies
 - Outreach Plan
 - Funding Application Package
 - Federal Funding Eligibility





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Next Steps

▪ Consultant Procurement

- Consultant Competitive Negotiation Act (CCNA)
- Advertise January/February
- Typically 6 Month Process
- Study Budget \$700K
- Study Duration 14 Months
- Team Qualifications:
 - Professional Engineer
 - Certified Planner/15-Year Financial Transit Professional





Next Steps

- **Next Production Phases (Federalized)**
 - Project Development & Environmental
 - Design
 - Construction

