

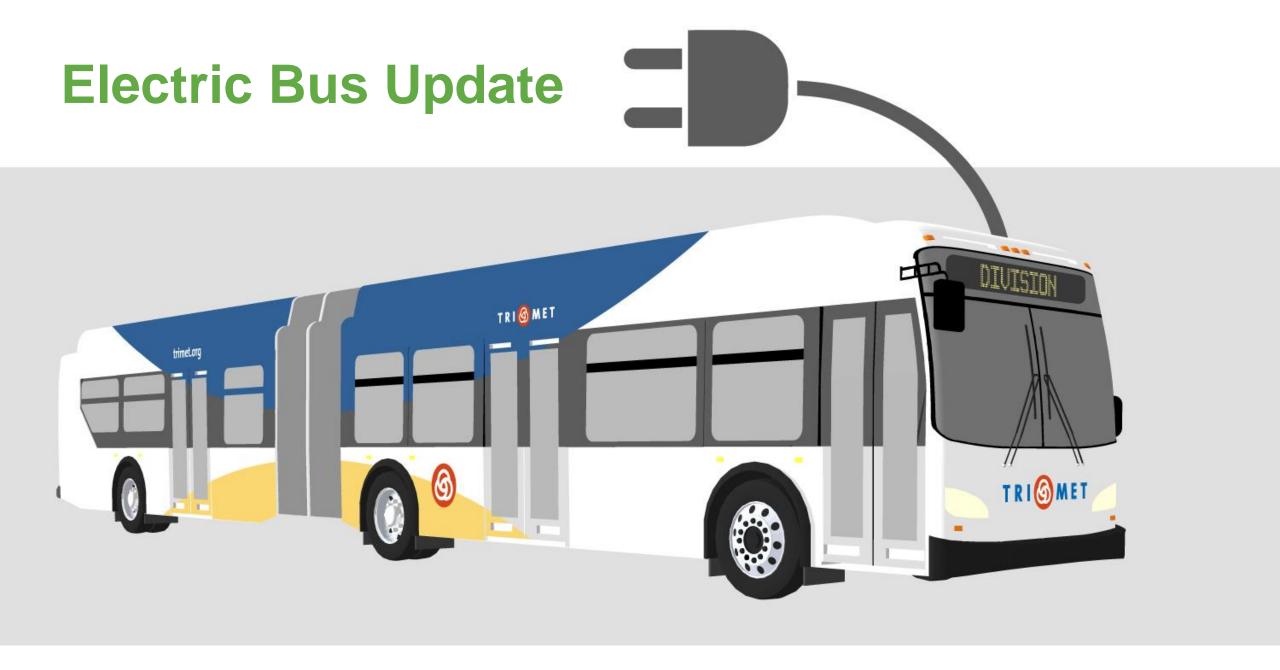




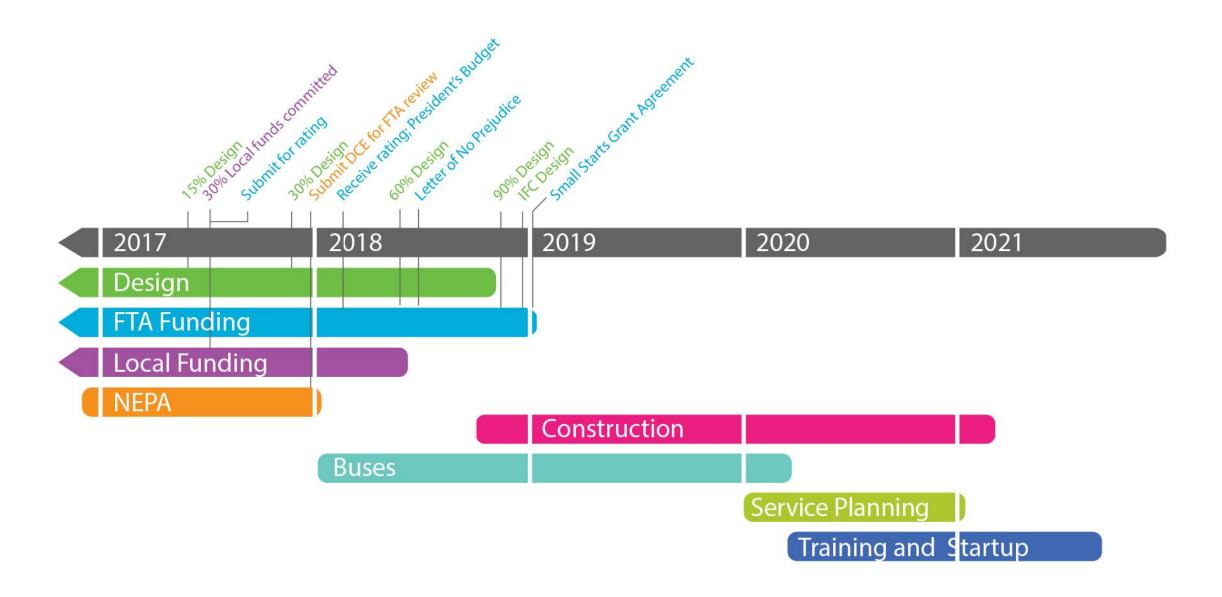


### **Community Advisory Committee**

October 19, 2017



# **Project Schedule**



### **Current Milestones**

- 30% Design
  - Significant FTA milestone
- FTA Rating and Financing Approach
  - Establishes ranking for funding recommendation
- NEPA Work
  - Evaluates broad spectrum project impacts
- Policy and Budget Committee Direction
  - Providing input/insight/and direction as project progresses towards 60% Design



## **Upcoming Milestones**

- Advertise RFP for Pre-Construction Services CM/GC (January 2018)
- Advertise RFP for Amenity Pre-Fabrication Design Services (January 2018)
- President's Budget / Rating (February 2018)
- Advertise RFP for Bus Procurement (February 2018)
- NEPA Concurrence (March 2018)



## Advancing from 15% to 30% Design

- Federal Transit Administration (FTA) Submittals
- Budget Balancing
- Station Design Refinements
- Performance Improvements
- Outreach



### **FTA Submittals**

#### FTA Project Rating

- Submitted for rating in September
- Change in financing structure
- 50/50 local / federal match for a more competitive rating
- Rating expected to be medium-high

#### NEPA - Documented Categorical Exclusion (DCE)

- Utilizes 30% documents as basis of design
- Represents resolve in placement and scope related to major project elements
- Analysis completed in December and submitted in January

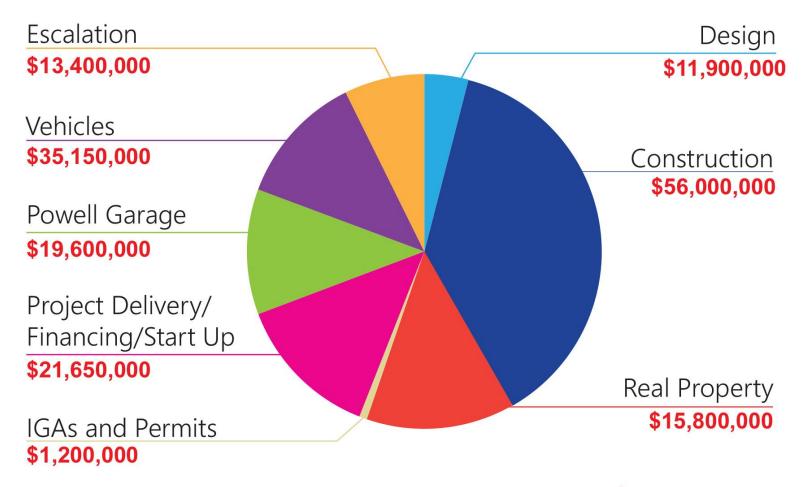


# Budget Balancing- 15% - 30% Design

- 15% Design Cost Overage at \$10M
- Concern over Performance Cuts Needed at 15% to help reduce costs, but believe the cuts were too deep
- Reducing Costs Through Design Solutions In lieu of line-item cuts
- **30% Design** Focus on :
  - Station amenity costs
  - Impacts to utility poles
  - Property impacts that drive ROW costs
  - Bring back removed performance elements
  - Community feedback



### **Balanced Budget Breakdown**



TOTAL \$174,700,000



# **Project Scope**



- 14 miles of enhanced service from Downtown Portland to Gresham Central
- **42 Stations** with **83 Platforms** 1/3 mile approximate station spacing
- 15% 20% average improvement in travel times over existing service
- Utilization of existing bus stop infrastructure at OMSI, SWF, SW Lincoln Street and the Transit Mall

### **Design Refinements - Stations**

- Reduce station platform lengths Pursue ramping in bike lanes and sidewalks were possible
- Fine-tune platform placement Utilize flexibility in refined platform design
- Reduce property acquisition Use station design to address ROW impacts
- Reduce utility pole impacts Utilize platform design and placement
- Station Addition Added Station at 116<sup>th</sup> to address DMA and EPAP input.

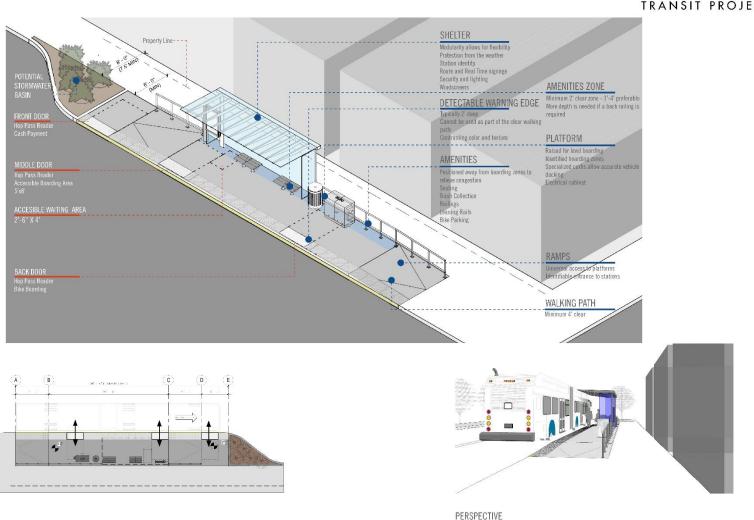
# **Typical Station Types (Integrated)**

#### INTEGRATED TYPE STATION

Integrated 1- By-Pass

PLAN





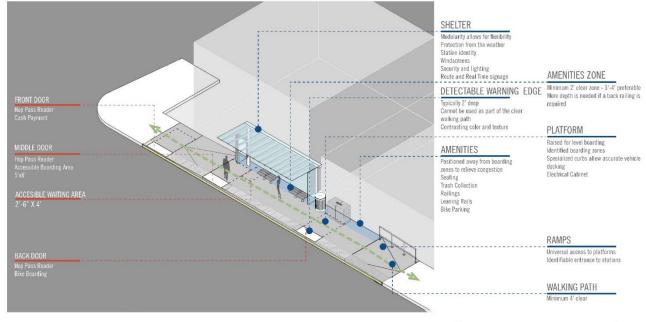


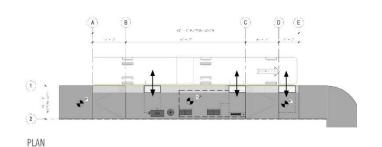
# **Typical Station Types (Integrated)**

#### INTEGRATED TYPE STATION

Integrated 2 - Pass-Through









PERSPECTIVE



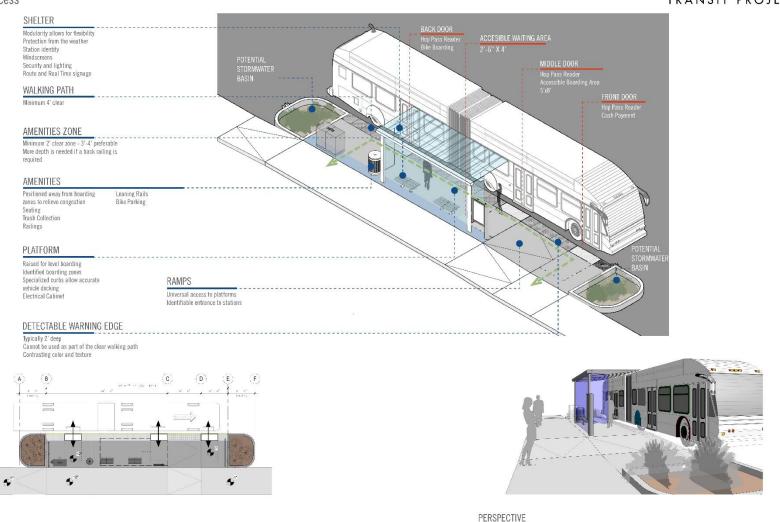
# **Typical Station Types (Integrated)**

#### INTEGRATED TYPE STATION

Integrated 3 - Rear Access

(3) PLAN





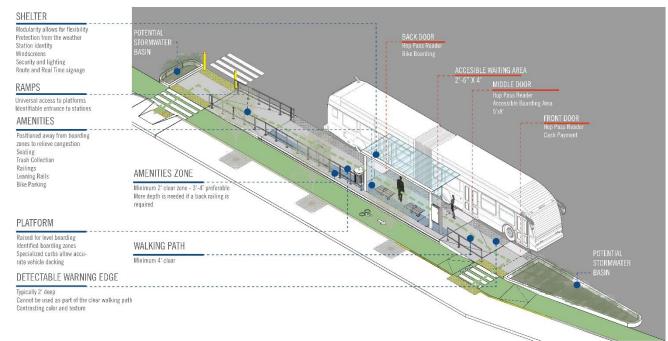


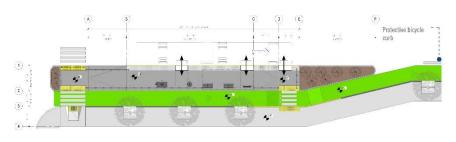
# **Typical Station Types (Island)**

#### ISLAND TYPE STATION

Island 1 - Intersection









PLAN PERSPECTIVE

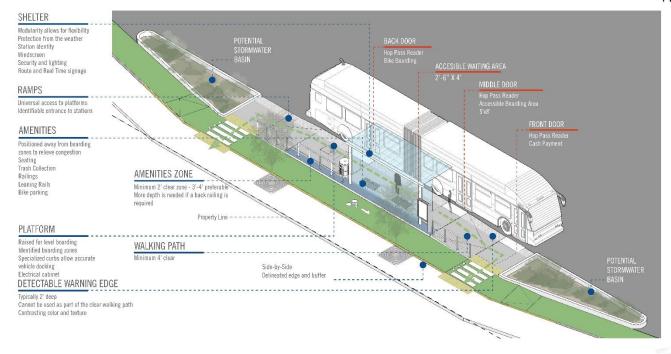


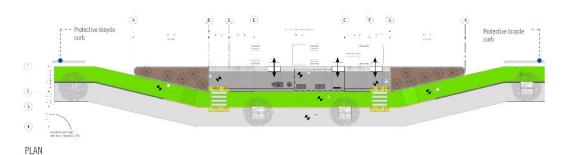
# **Typical Station Types (Island)**

#### ISLAND TYPE STATION

Island 2 - Midblock









PERSPECTIVE



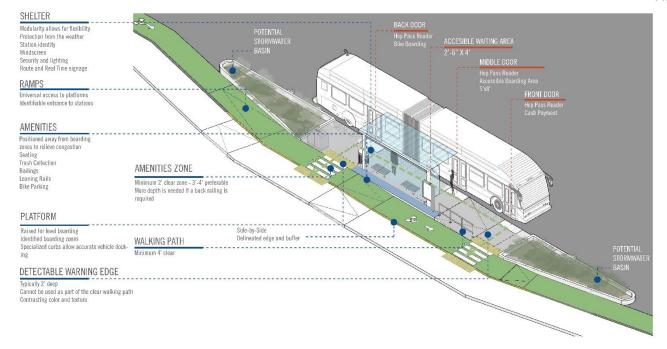
# **Typical Station Types (Island)**

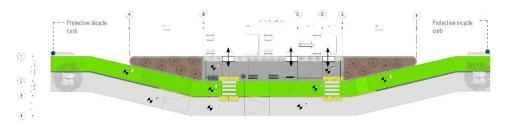
#### ISLAND TYPE STATION

Island 3 - Rear Access

PLAN





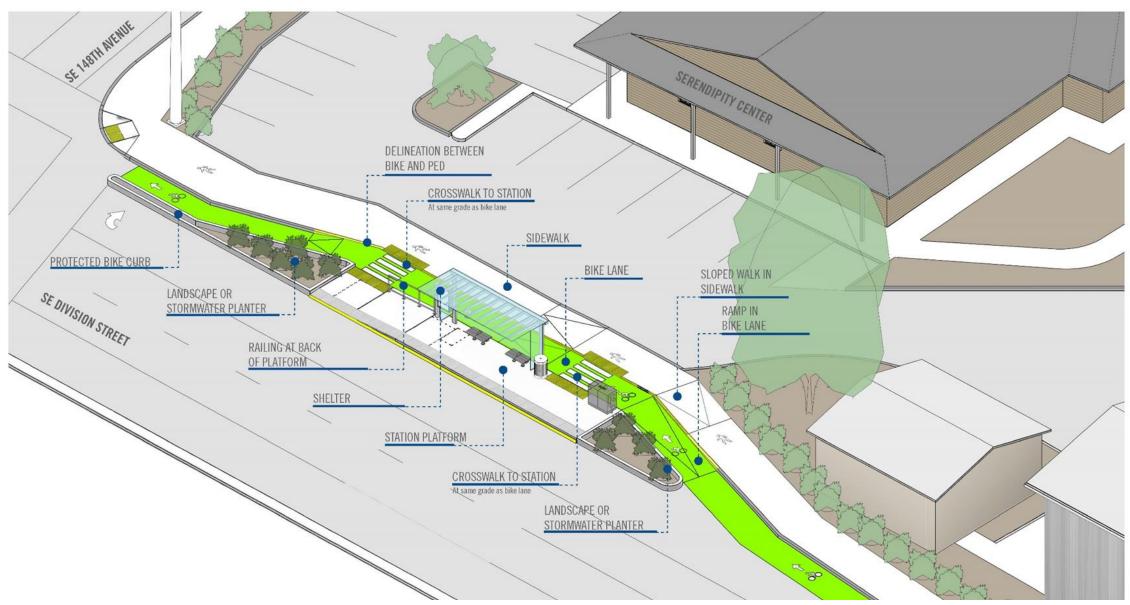




PERSPECTIVE



### Island Station (SE 148th & SE Division – Eastbound)

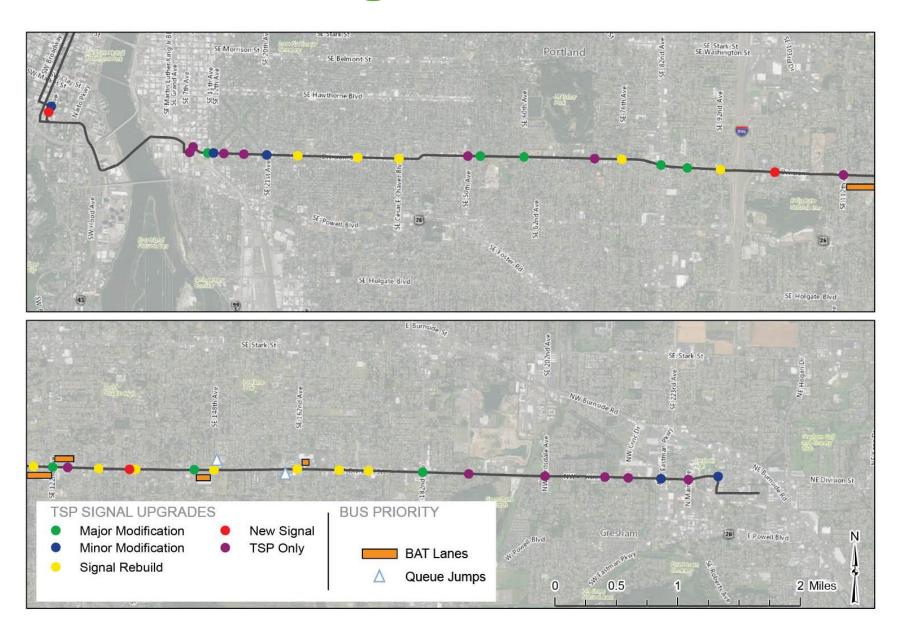




## Design Refinements - Performance

- Increased Investment in Signal Upgrades
- Additional Refinements to Traffic Signal Priority (TSP)
- Extended Business Access and Transit (BAT) Lanes
- Traffic Models & Projections
  - Used to Validate Design Decisions
  - Consistent with 2021 Opening Day
  - Current Performance around 18% improvement over existing service
- Continue to Pursue TSP Advancements
  - Technology
  - Policy

# Performance – Signals – TSP – BAT Lanes



### Design Refinements - Outreach

- Monthly Community Advisory Committee (CAC) meetings
- Community and CAC Workshops
- One-On-One Business Outreach at Station Areas
- Open Houses Community & Operator
- CAT Subcommittee
- Bicycle Advisory Committee/Pedestrian Advisory Comment
- Outreach Staff Informing Design Approach