Design Update

Project Schedule

- Design: 2017, 2018, 2019
- Service Begins: 2022
Upcoming Milestones

- **December** – NEPA – FTA Concurrence
- **February** – 60% Design / Cost Estimate Complete
- **February** – President’s Budget Issued
- **March** – FTA Risk Assessment
- **March** – Small Starts Grant Agreement Submitted (SSGA)
- **November** – Receive SSGA, Start Major Construction
Shared Bicycle/Pedestrian Platform Testing
Shared Bike/Pedestrian Stations

- Work within existing ROW
- Create a replicable tool
- Low impacts to private property and utilities
Mock-Up Testing Goals

- Accessibility, Safety & Operations
- Behavior, Circulation & Spatial Relationships
- Demarcation, Markings and Signage
- Shelter/Amenity Placement
Mock-Up Test - Major Takeaways

- Confirmation of platform design
- Bike calming & reinforcement of safe behavior top concern
- Consistency & simplicity in applying design is key
- Shelter & amenities placement
- More study & refinement – treatments, markings, signage
- Bus announcements, signage & operations to encourage safe behavior
Next Steps

• Summary Report To Stakeholders

• Take learning from mock-up into 60% design

• Continue study & design refinement of platform
  *(step-out zone & bike path treatments, signage, markings, etc.)*

• Additional testing as needed
Shelter Design
Choosing a shelter design...

- Maintenance & Durability
- Safety & Security
- Accessibility
- Cost & Flexibility in Cost Refinement
- Ease of Fabrication & Installation
Shelter Design & Selection Process

- Design Criteria (Standard vs Custom)
- Started Early Concept Work
- Context Demand Base Analysis
- Context Base Design
- Conceptual Design Revisited
- Design Scheme Chosen
- Fabricator Aboard

30% DESIGN, 30% REFINED, 60% DESIGN

90% DESIGN, SHOP DRAWINGS, FABRICATION

INSTALL & CONSTRUCTION

We're Here

- TriMet
- Project Partners
  PRT, COG, ODOT, METRO, MULT COUNTY
- Community
  (CAT, CAC, etc.)
- Portland Design Commission
- Rainmore
Fabricator Visits

1. Minimize Risks To Project

2. First-Hand Look At Fabricator:
   - Capacity
   - Capability
   - Process

3. Feedback & Refine RFP process

4. Initiate a collaborative process
Shelter Design Schemes

FRAMES

KIT OF PARTS

Station Marker
Roof
Frame
Midstream
Seating
AHA Waiting Area

SMALL
MEDIUM
LARGE

RIBBON

KIT OF PARTS

Roof

SMALL
MEDIUM
LARGE
Preferred Option: Frames

- Easier To Maintain, Clean & Repair
- Safe sight lines
- More circulation space for mobility device
- Easier to Fabricate & Install
- Scalable, Modular & Replicable
- More cost flexibility
Next Steps

• Your feedback

• Review concepts with Portland Design Review Commission

• Design refinement with fabricator & design team

• Updates to project partners and stakeholders
Questions?