Briefing on the 2045 Transit System Plan

Planning Committee
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Today’s Briefing

• The purpose of this briefing is to provide a status update on development of the Transit System Plan, and review the Transit System Plan Progress Report document
Work in Progress

- High capacity corridor evaluation
- Bus Service Plan coordination
- Streetcar Master Plan
- Integration of Mobility as a Service (MaaS) framework
High Capacity Corridor Evaluation

• Ridership forecasts complete and analysis in process
• Capital and O&M costs under review
• Evaluation will emphasize ridership and cost-effectiveness based on April Planning Committee feedback
  – 25% weight to ridership
  – 25% weight to cost-effectiveness
  – 12.5% weight for the other four criteria (congestion relief, land use, equity/job access, economic development)
• Preliminary results will be provided August/September 2019
Potential Corridors

- Evaluating as rail investment initially
- Based on performance some could be considered as other modes like express bus, bus rapid transit or benefit from local bus or GoLink
**Bus Service Plan Coordination**

- Request for Proposals (RFP) were due June 11 for Bus Service Plan effort
- 2045 Transit System Plan is evaluating potential longer-term opportunities related to bus:
  - Regional express to major employment centers
  - Bus rapid transit opportunities which would enhance core frequent route corridors
- The Bus Service Plan and longer range opportunities will be integrated into the 2045 Transit System Plan during FY2020
Activity Center Trip Analysis
Tollway/Galleria – Trip Volumes

Legend
- Activity Centers
- DART Service Area
- Total AC Trip Volume for Galleria/Tollway
  - 0 - 67
  - 88 - 213
  - 214 - 557
  - 558 - 1561
  - 1562 - 7485
Activity Center Trip Analysis
Tollway/Galleria – Trip Density
Long Range Bus Opportunities
Regional Express Options
Long Range Bus Opportunities
Regional Express Options
External Market Considerations

- For work trips, 25 to 40% are from DART Service Area to external markets
- Inflow to DART is typically 2 to 3 times higher
Streetcar Master Plan

- Assessment and analysis of opportunity areas in progress
- Review findings and discuss opportunities with City staff

**Establish Purpose and Need for each area**
- What are the key issues and opportunities?

**Define Potential Corridors**
- Cost estimates (capital/O&M)
- Ridership potential

**Identify Other Mode Options**
- What other options could meet purpose and need?

**Draft Plan**
- Recommendations
- Future studies
MaaS Framework

- DART is continuing to advance our Mobility as a Service (MaaS) framework
- The 2045 Transit System Plan will emphasize MaaS, shifts in how people use transit, and technology opportunities

WHAT IS MaaS?

- **Personalized** journey planning and management
- Hassle-free **digital** payment and ticketing
- First- and last-mile transportation **combining** public transit, on demand and shared mobility services
- Optimization of **data exchange** to expand services

Nearly 80 percent of commuters see public transit as the backbone of a lifestyle that includes current and future technologies such as ride-hailing (i.e. Uber and Lyft), bike/car-share, autonomous vehicles (AVs), scooters and other future emerging innovations, according to a 2018 study by the American Public Transportation Association (APTA).
Transit System Plan Progress Report

• With the Transit System Plan effort being extended to incorporate the new Bus Service Plan being developed in FY2020, an interim Progress Report has been developed.

• Will be posted on Transit System Plan webpage and provided to key stakeholders.

• The progress report is high-level and emphasizes:
  – Our accomplishments
  – Our current focus
  – Future conditions and key issues/opportunities
  – What’s next and key efforts as we develop the 2045 plan
Next Steps

• Publish and distribute the Progress Report
• Complete high capacity corridor evaluation
• Evaluate streetcar opportunity areas and share information with Service Area city staff prior to advancing most promising options for further refinement and definition
• Continue to coordinate schedule and bus planning efforts with upcoming Bus Service Plan effort
• Next briefing in August 2019