

Broad Street BRT Project

Commonwealth Transportation Board March 18, 2015

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A Better Transit Service for the Greater Richmond Region

Bus Rapid Transit (BRT) is an integrated system of facilities, equipment, services and amenities that improve the *speed, reliability* and *identity* of bus transit

Broad Street BRT Project Partners



- TIGER Funding (50%)
- Project Oversight



- Owner and Operator
- Project Sponsor
- Project Management Support



- Funding Partner (15%)
- Design Review/Approval



- Funding Partner (34%)
- Project Oversight



- Funding Partner (1%)
- Design Review/Approval



- Permitting

Stakeholder and Public Involvement

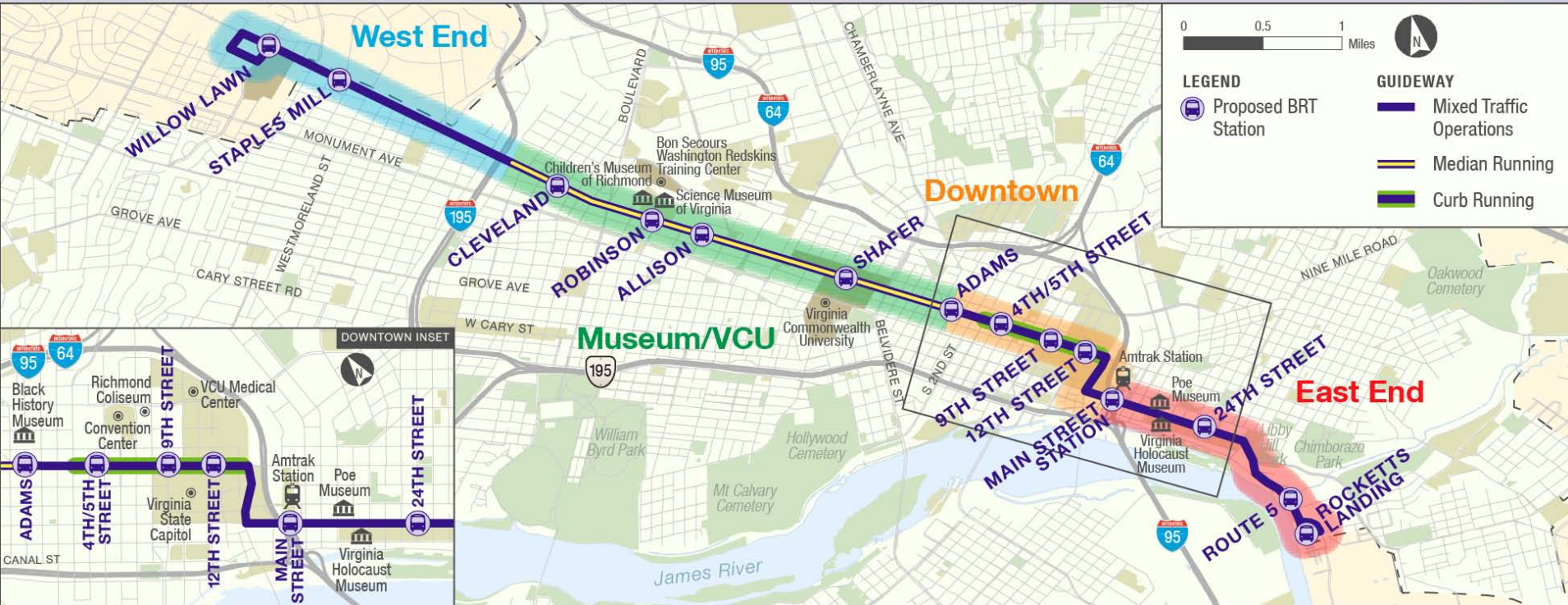
Stakeholder Involvement:

- Policy Advisory Committee
- Technical Advisory Committee
- Community Involvement Meetings

Public Involvement:

- Two public meetings were held in January
- Public meetings will be held at key milestones throughout the design, engineering and construction of the project

Project Corridor



- **Route length:** 7.6 miles - From Willow Lawn to Rockett's Landing
- **Dedicated bus lanes:** Thompson Street to Adams Street (median lanes) and 4th Street to 14th (curb lanes)
- **14 stations:** 5 center and 9 curbside stations with 4 consolidated stations with local routes

Elements of BRT

- **Running ways** with dedicated transit lanes or mixed use lanes with transit signal priority or queue jumps to reduce delays for transit vehicles



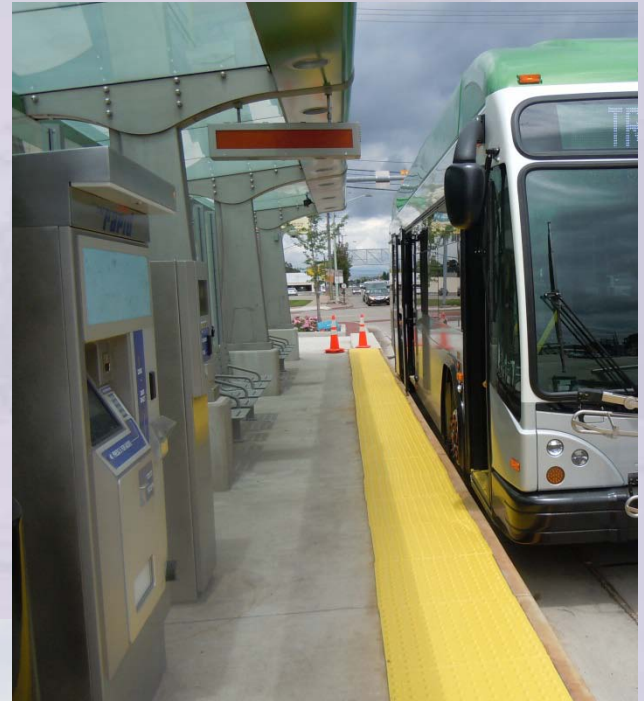
Elements of BRT

- ***Faster service*** through higher station spacing to consolidate boarding and alighting and reduce dwell time and delays
- ***Accessible, safe, secure and attractive stations*** with sheltered stations and raised platforms for level boarding



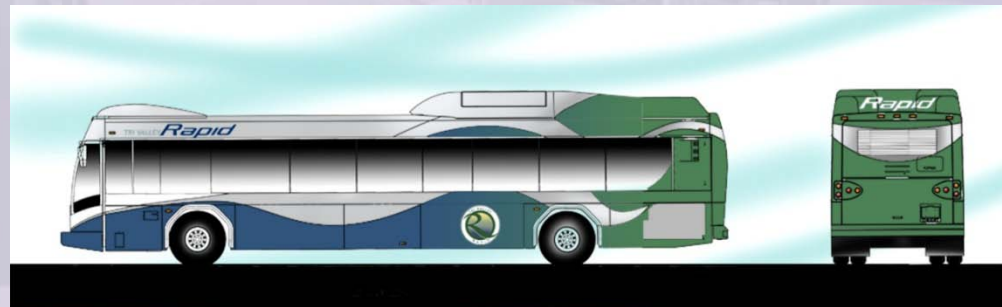
Stations

- Different than Bus Stops
- Level Boarding
- Amenities
- Public art
- Landscaping
- Security
- Accessibility



Elements of BRT

- Easy-to-board, attractive, and *environmentally friendly* vehicles
- *Frequent* service with longer hours of operation
- *Distinctive* system identity such as *branding* of vehicles/stations with unique design elements



BRT Vehicles

- Stylized
- Sliding Doors
- Clean Natural Gas (CNG)



Elements of BRT

- **Intelligent Transportation Systems** to provide real-time passenger information, transit signal priority for improved travel times, closed circuit TV for safety and security and emergency phones
- **Efficient, off-board fare collection** system



Design Components

- Colorized, distinct lanes
- Transit Signal Priority
- Real-time bus arrival
- Off Board Fare Collection
- Security Cameras
- Emergency Phones



Service Plan

- Weekdays: 5:30am - 11:30pm.
- Weekends 6:00 am - 11:30 pm
- 10 minutes (peak) and 15 minutes (off-peak)
- Improved performance: 65% increase in bus speed
- Estimated ridership: 3,000 + daily boardings with 500 new daily riders
- Fares: Same as local bus fare (currently \$1.50)

Broad Street Parking Mitigation

- Approximately 709 spaces may be removed to accommodate the BRT along Broad Street
- No on street parking loss in front of businesses between Foushee and 4th Street
- No on street parking loss in front of businesses on Main Street between 14th and Rocketts Landing
- GRTC and the City of Richmond are working with the business owners and residents along the corridor
- GRTC and the City of Richmond are examining potential parking mitigation strategies that will minimize the loss of on street parking between Thompson and 14th Street

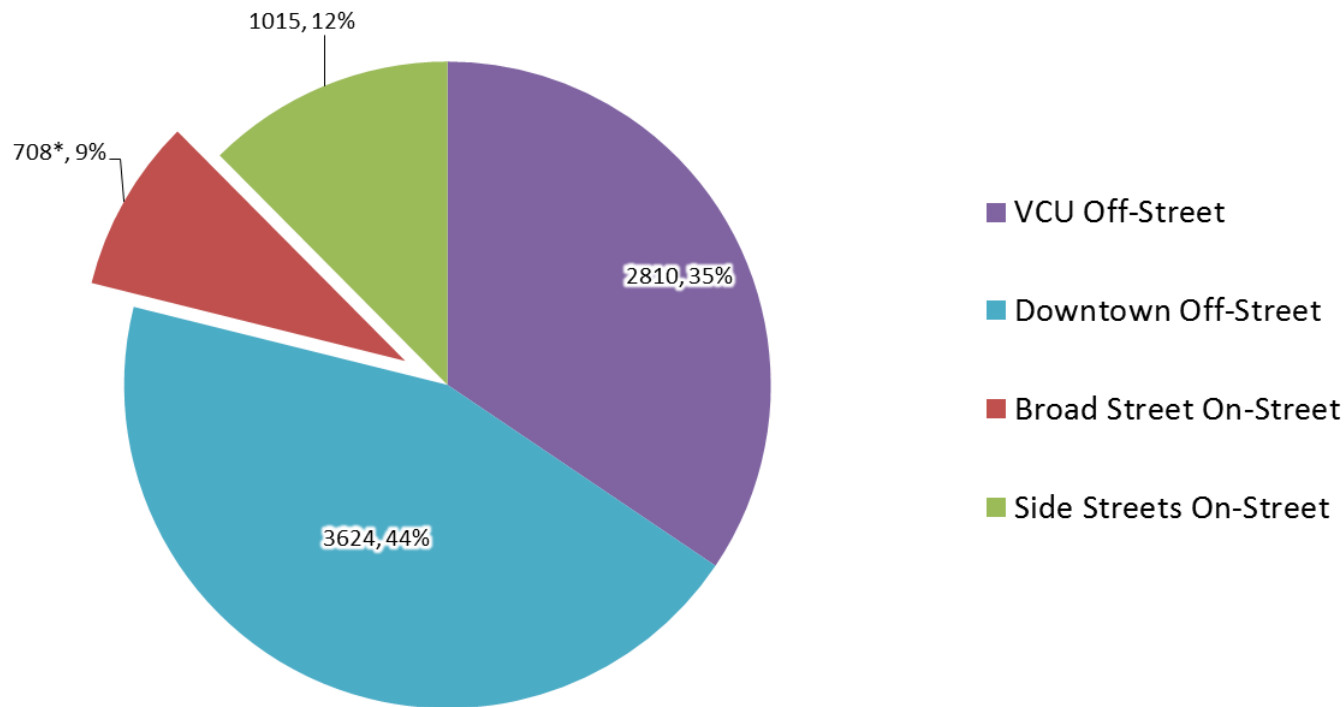
Park and Ride

- Recommendation for 90 park and ride Lot spaces at Anthem, Staples Mill, location
- Anthem has declined further consideration for a park and ride at their location due to liability concerns
- GRTC pursuing possible park and ride lot location at Colonial Downs Off Track Betting location

Parking Supply along Corridor

Parking Distribution

Thompson Street to 14th Street

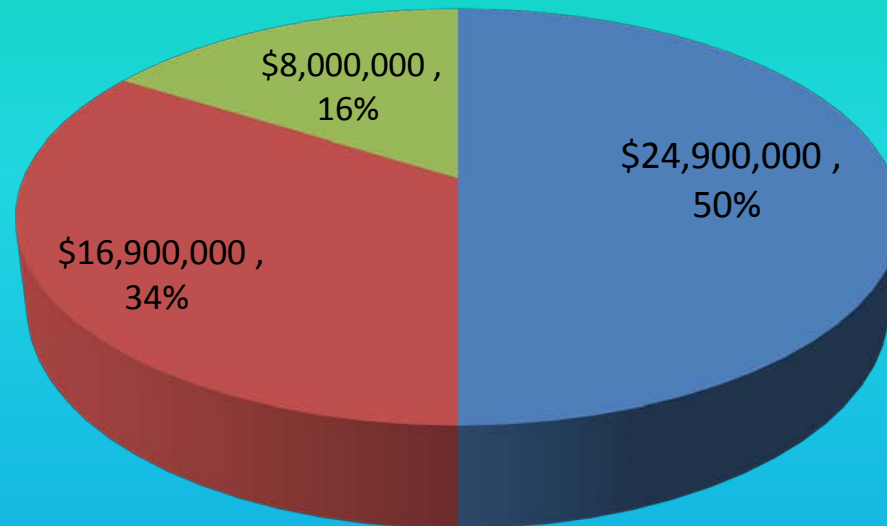


*This number represents the worst-case number of on-street parking spaces to be removed; depending on final geometric design, as many as 100 of these spaces may be maintained.

Project Funding \$49.8 Million

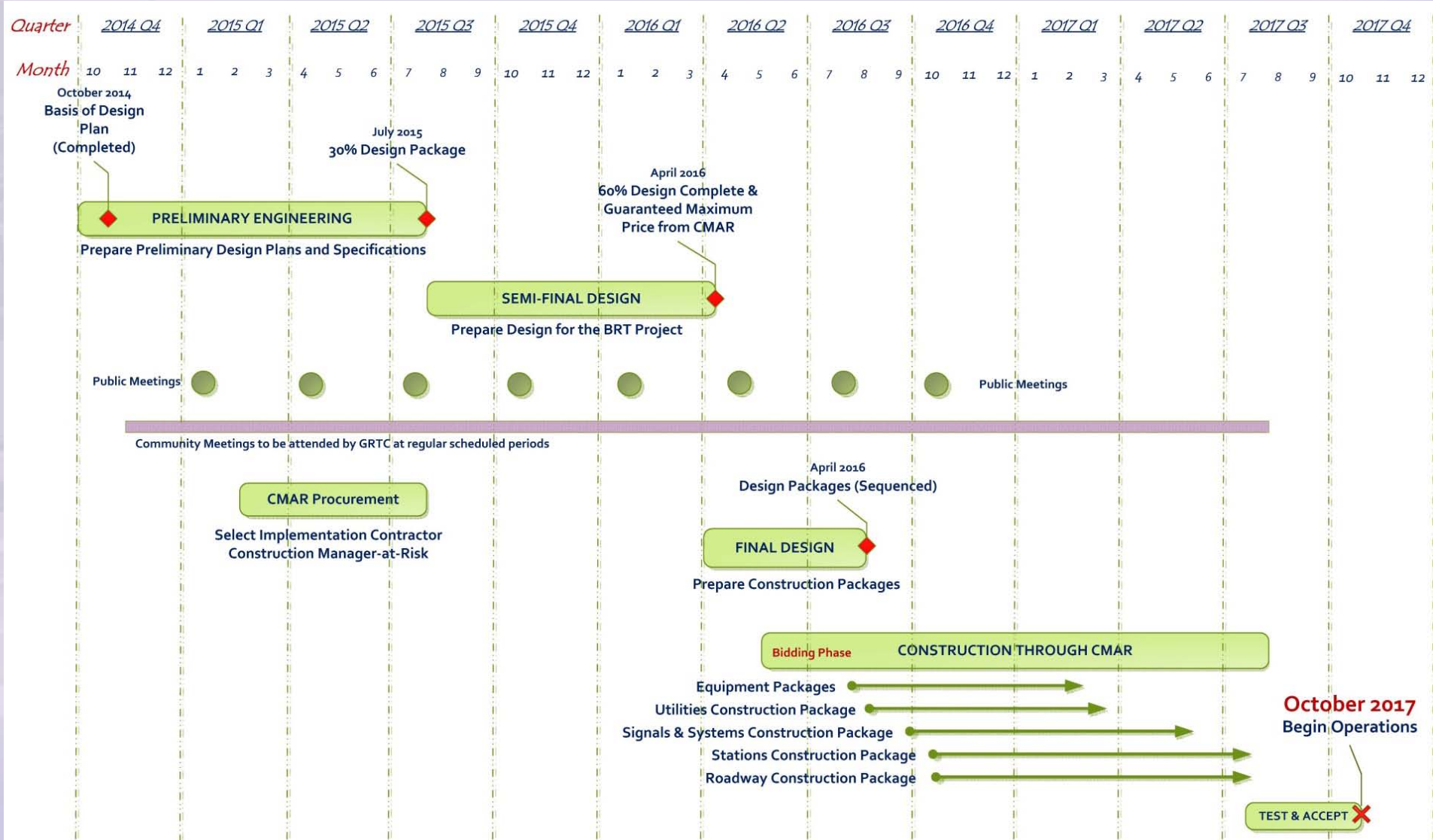
Funding Contribution

■ FTA/USDOT ■ DRPT ■ Local Agencies



TIGER Grant – Transportation Investment Generating Economic Recovery

Project Schedule



Thank You!!

Questions??



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U.S. Department
of Transportation

**Federal Transit
Administration**

- Administrator of
TIGER Funding