



County of Fairfax, Virginia



Richmond Highway Bus Rapid Transit

BRT Executive Committee

January 17, 2023

DRAFT – FOR DISCUSSION ONLY



The Richmond Highway BRT project is funded in part by the Northern Virginia Transportation Authority.

Agenda

- **Project Status**
 - Design Progress
 - Third Party Coordination
 - Right-of-Way Acquisition
- **FTA Coordination**
 - Risk-Adjusted Cost Estimate & Schedule
 - Request for Rating
- **Station Re-Naming**
- **Community Charm**
- **12-Month Outlook**





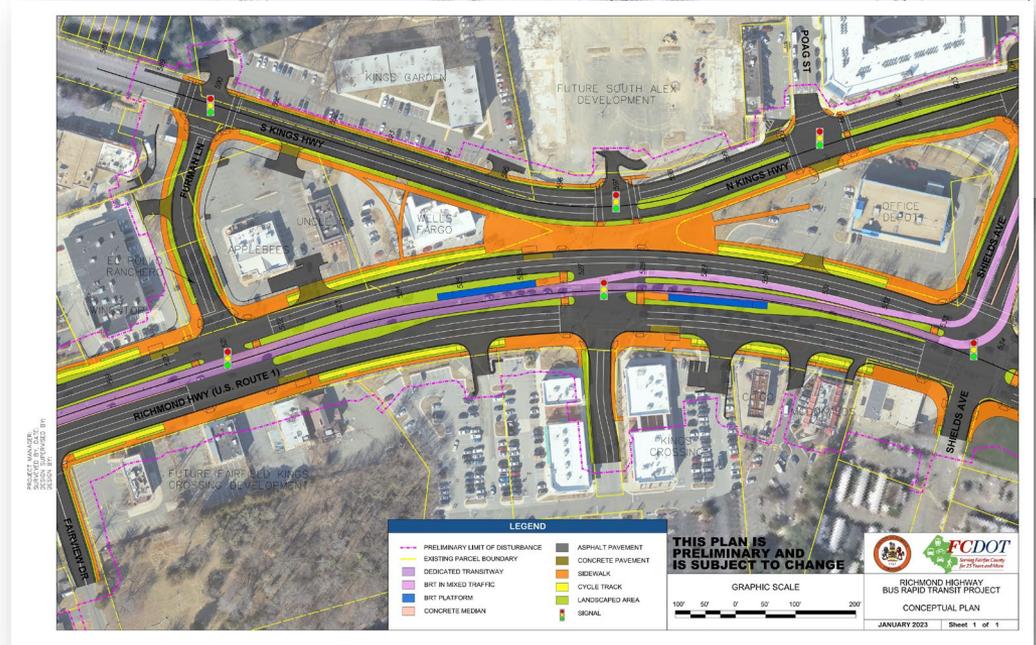
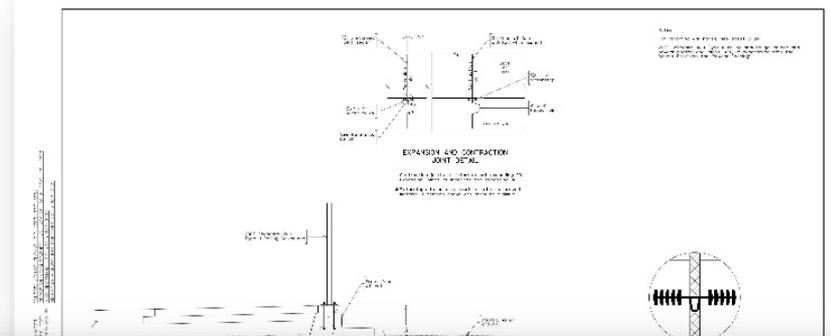
Project Status



Civil Design Progress

- Advancing towards 80% plan submittal
- Refining easement & right-of-way lines
- Stormwater management & landscaping
- Retaining walls
- Construction phasing & maintenance of traffic
- Utility design coordination

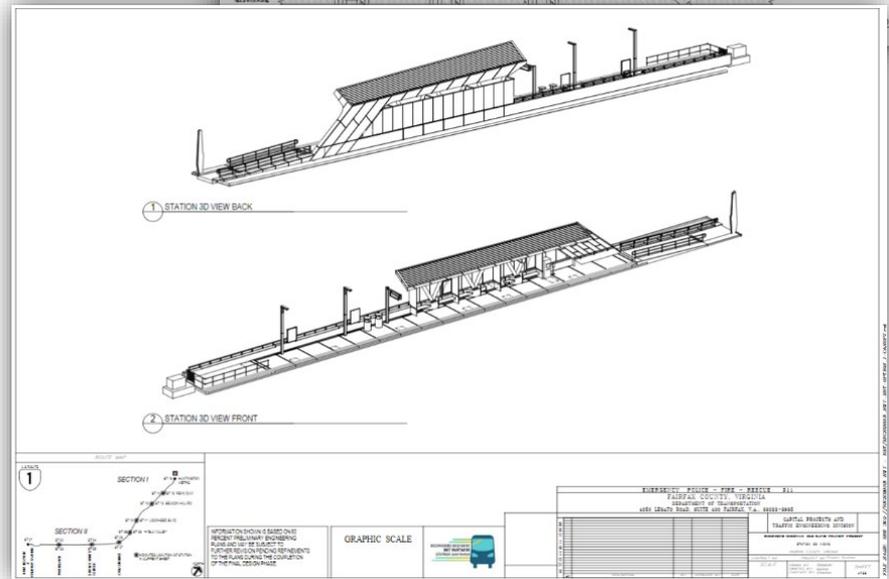
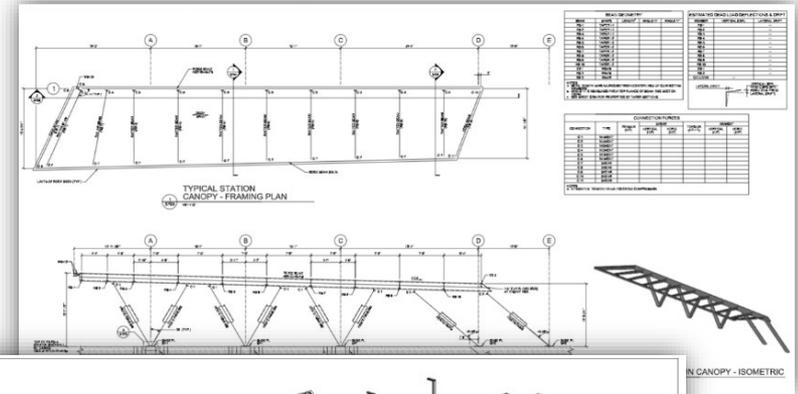
Sample retaining wall progress drawing



Refined King's Highway intersection

Station Design Progress

- Advancing towards 80% submission
- Current focus includes:
 - Materials selection & Buy America compliance
 - Furnishings
 - Structural framing
 - Electrical & communications equipment
 - Pedestrian access
 - Safety & security
- Details can be shared with Executive Committee at future meeting



Right-of-Way Acquisition

Group 1 (9 parcels)

- All offers out
- 3 acquisitions settled
- 2 under contract
- 1 relocation complete

Group 2 (15 parcels)

- All appraisals completed
- 4 offers out

Group 3 (17 parcels)

- Notices sent to all owners
- Appraisals underway

- Demolition of Alexandria Motel complete; preparing for June 2023 demolition of residential structure on Collard Street



FTA Coordination

FTA Coordination

- **Project accepted into “Project Development” stage in March 2020; entry into “Engineering” phase expected Q1 2023**
 - ➔ FTA contribution is set at entry to Engineering
- **Approval to enter Engineering includes detailed review of:**
 - Scope
 - Schedule
 - Costs
- **Monthly meetings with FTA staff; weekly meetings with oversight consultant**



**Federal Transit
Administration**



FTA Risk Assessment

- Risk assessment required for projects seeking FTA New Starts funding
- BRT risk assessment workshop conducted in Summer 2022
- Top risks featured by FTA
 1. Local labor availability
 2. Verizon / Dominion relocation delays
 3. Buy America compliance (electrical equipment, communications devices, station canopy cladding)
 4. VDOT project completion
 5. Stormwater management design approval





Outcome of Risk Assessment

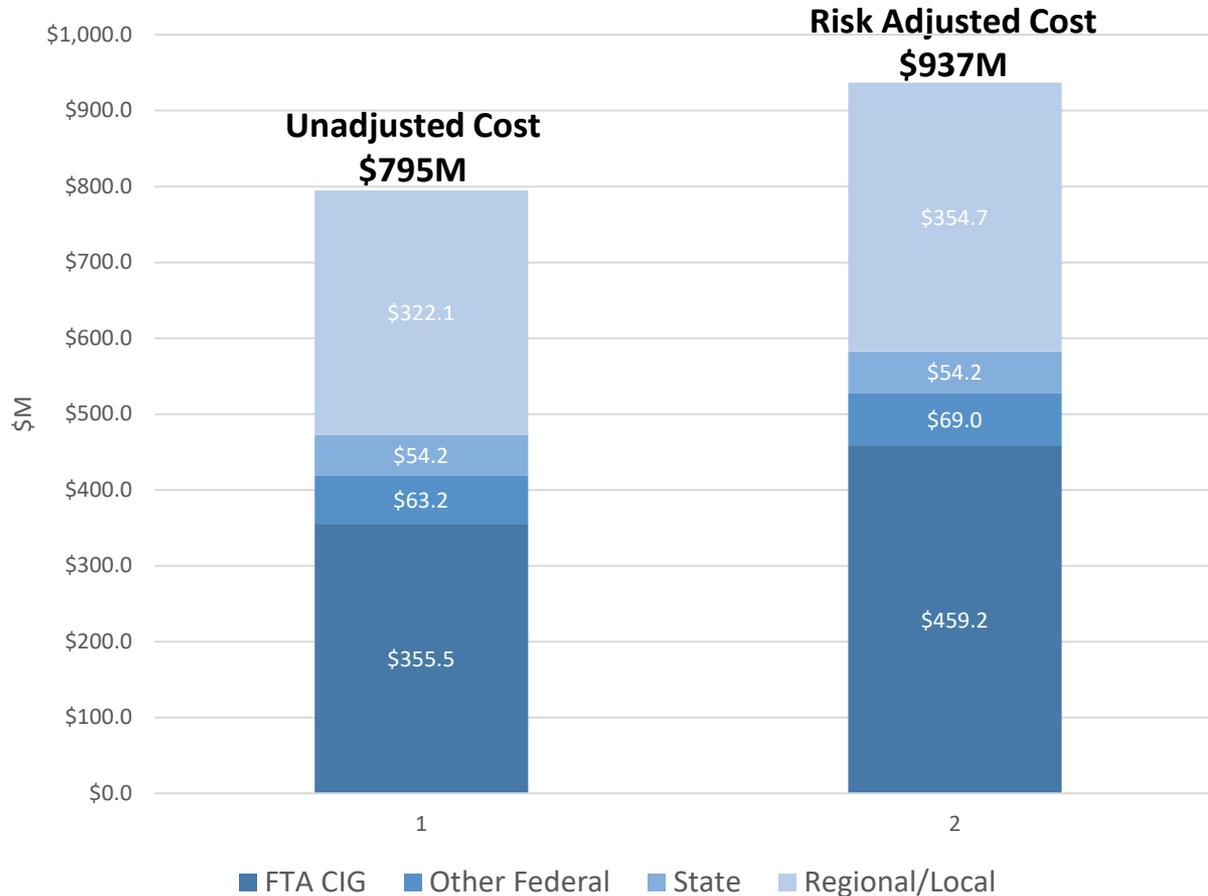
- FTA’s oversight consultant (“PMOC”) prepared quantitative risk assessment recommending additional cost & schedule contingency
- PMOC’s estimate generally consistent with FCDOT’s; difference is level of contingency
- FCDOT reviewed FTA/PMOC analysis & concurs with recommendation

	Unadjusted	Risk Adjusted
Cost (\$YOE)	\$795M	\$937M
Contingency	23%	35%
Revenue Service Date	December 2030	July 2031





Funding Source Comparison

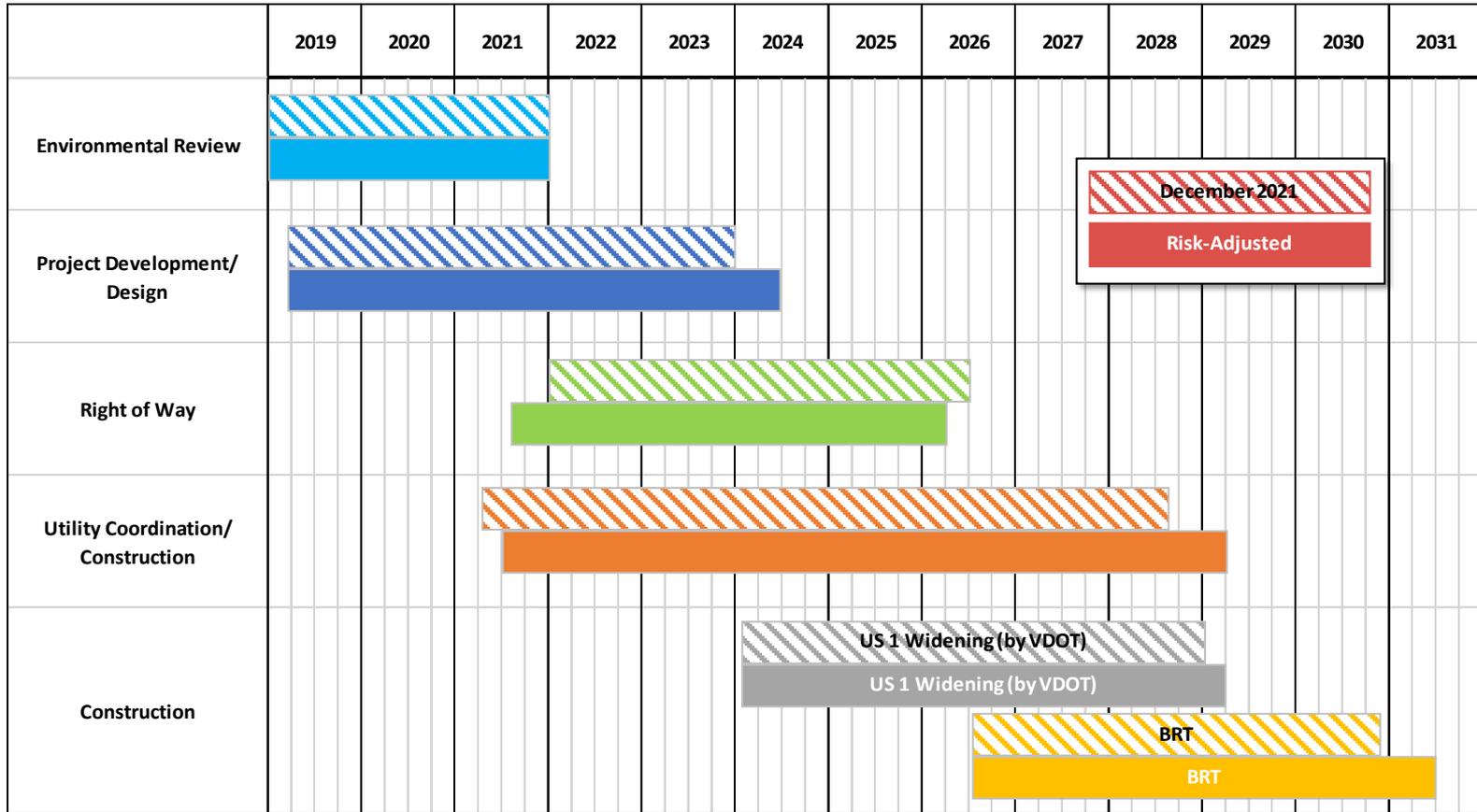


- **Cost increase funded primarily with FTA funds**





Schedule Comparison





Considerations

- **Risk-adjusted cost is the “budget” not the “cost”**
 - FCDOT & consultants will work to bring project in at or near unadjusted cost & schedule
- **Infrastructure project costs subject to unusual inflation effects; extended schedule may reduce inflationary influences**
- **Many large risks can be retired as VDOT & WMATA agreements are completed & design progresses**
 - Staff goal is to retire risks & reduce contingency as quickly as possible
- **Next step is to revise financial plan**
 - FTA share can remain 49% so federal contribution will increase
 - Remaining increase can be funded with NVTA, state funds & other funds





Station Re-Naming





Station Re-Naming

- **Interest from Supervisors to rename some BRT stations to align with community identity & foster community ownership**
- **Under reconsideration:**
 - Penn Daw
 - Hybla Valley
 - Gum Springs
- **At last meeting, Executive Committee directed staff to conduct outreach & provide recommendations**



Station Name Survey

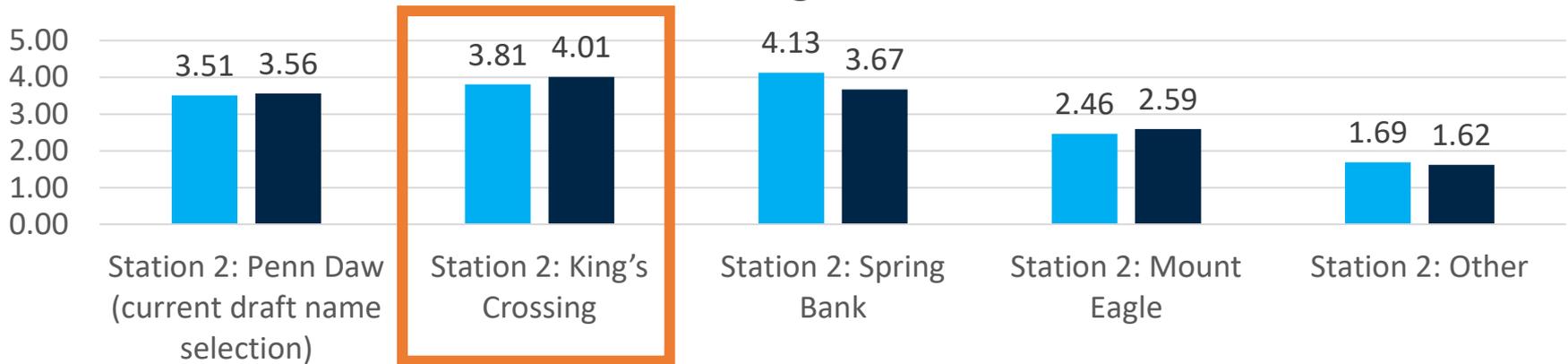
- **Purpose:** Obtain community feedback about potential changes to three station names
- **Timeframe:** Oct 11 – Nov 4
- **170 responses**
- **Outreach:**
 - Pop-up events (3)
 - Open House at Hybla Valley Community Center
 - Presentation at Community Group Meetings (2)
 - The One email list
 - Media release
 - Website updates



Station 2 (Currently “Penn Daw”)

- King’s Crossing was the top choice for all respondents
- Those who live closest to this station preferred Spring Bank (with King’s Crossing as a second choice)
- Kings Crossing (no apostrophe) was suggested as an alternate spelling

Ranking Score

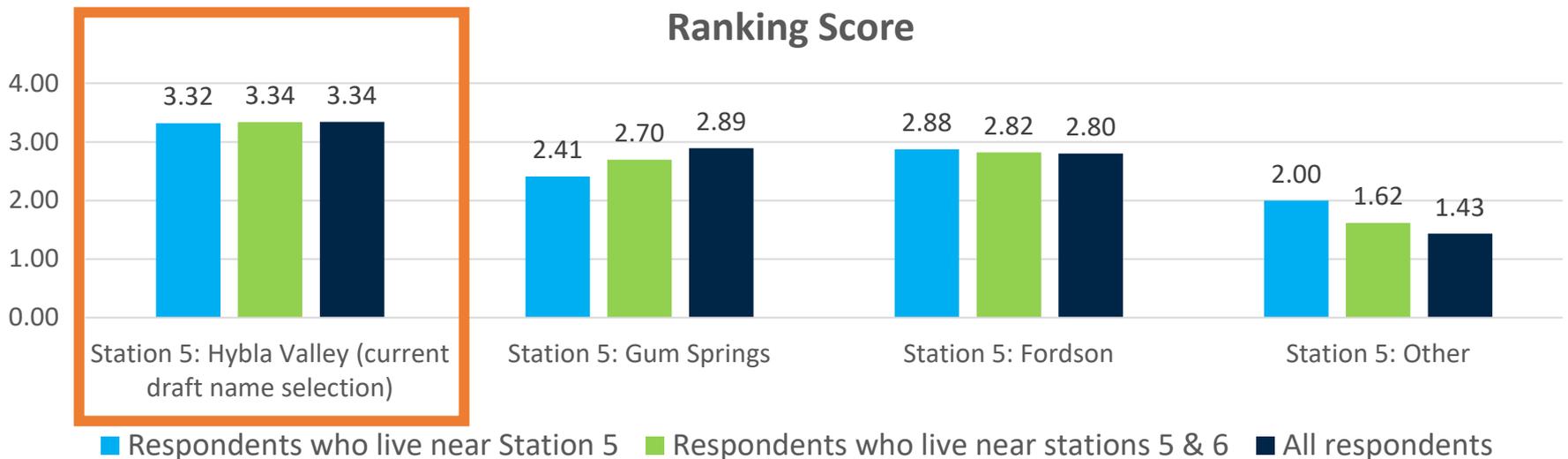


■ Respondents who live near the station

■ All respondents

Station 5 (Currently “Hybla Valley”)

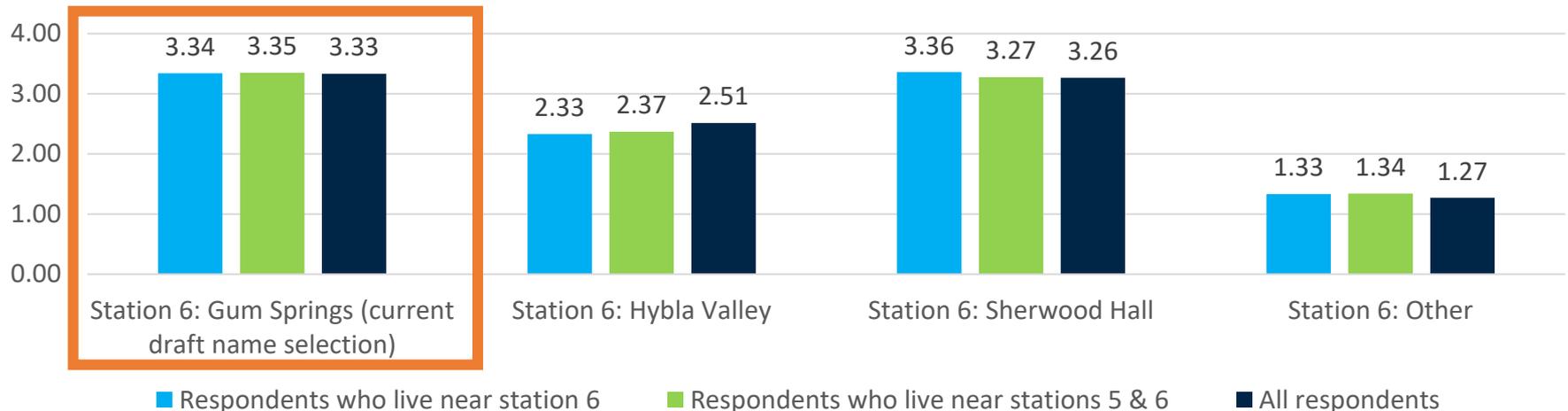
- Hybla Valley was the top choice for all respondents & for those who live closest to this station & station 6
- Fordson was the second ranked for those who live near station 5 & 6
- Gum Springs was the second ranked for all responses



Station 6 (Currently “Gum Springs”)

- Gum Springs was the top choice for all responses & those who live closest to stations 5 & 6 (combined)
- Sherwood Hall was the top choice for those who live closest to station 6 & was also a very close second ranked for other respondents

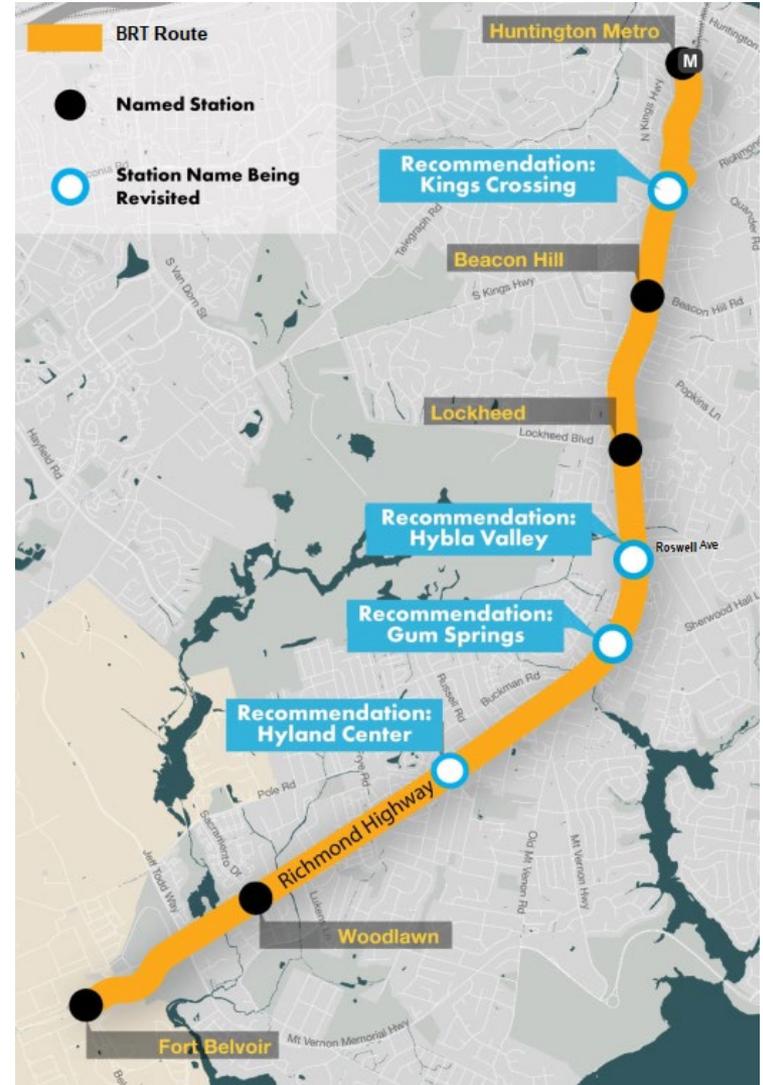
Ranking Score





Station Name Recommendations

Station	Staff Recommendation Based on Survey Results
Station 2 (@ North Kings Hwy/South Kings Hwy)	Kings Crossing
Station 5 (@ Boswell Ave/Fordson Rd)	Hybla Valley
Station 6 (@Sherwood Hall Ln)	Gum Springs





BRT Station Names: Recap

Station Location	Final Station Name	Modifications
Station 1 (@ Huntington Metro Station)	Huntington	No change
Station 2 (@ North Kings Hwy/South Kings Hwy)	Kings Crossing	Change from Penn Daw based on survey
Station 3 (@ Beacon Hill Road)	Beacon Hill	Eliminate "Rd"
Station 4 (@ Lockheed Blvd)	Lockheed	Eliminate "Blvd"
Station 5 (@ Boswell Ave/Fordson Rd)	Hybla Valley	No change based on survey
Station 6 (@Sherwood Hall Ln)	Gum Springs	No change based on survey
Station 7 (@Mohawk Ln)	Hyland Center	Update to current County facility name
Station 8 (@Sacramento Rd/Cooper Drive)	Woodlawn	No change
Station 9 (@Belvoir Rd)	Fort Belvoir	No change





Executive Committee Action

Adoption of resolution approving the new names as recommended by staff.

- 1. Station formerly known as Penn Daw will be known as Kings Crossing*
- 2. Update South County Center to Hyland Center based on current County naming convention*
- 3. Eliminate "Rd" and "Blvd" from station names*
- 4. Staff is directed to revise plans, architectural drawings, maps & public documents to reflect new names*

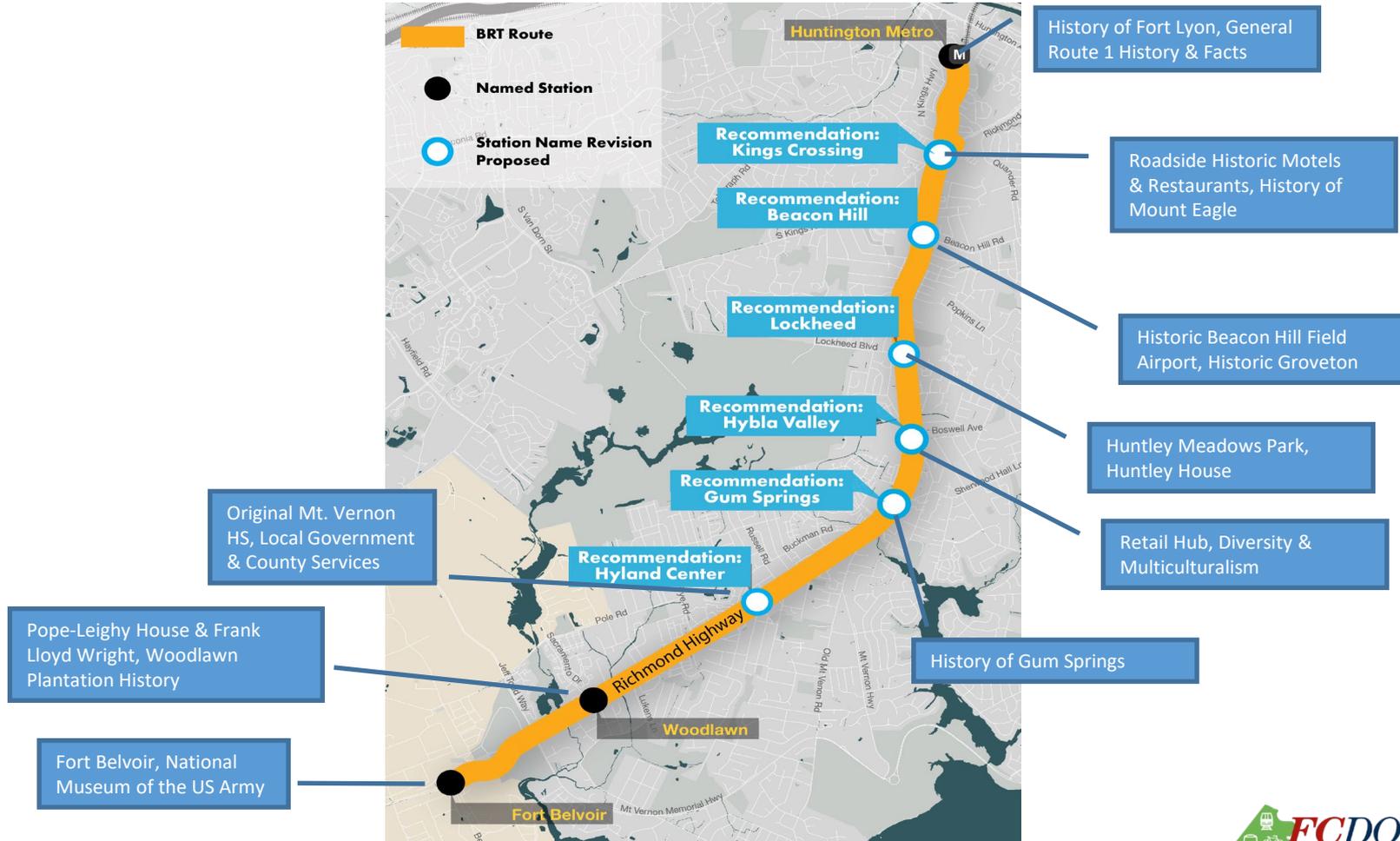




Community Charm



Station Artwork Themes



Collaboration with Student Artists

- Three high schools & two community centers along Richmond Highway are submitting artwork for the BRT station windscreens
- Students & teachers began working on designs in October 2022
- There will be 2-3 design submissions for the artwork at each station; final design will be selected by the Executive Committee with input from a survey conducted Spring 2023





Station Assignments

School	Stations
Hayfield Secondary School	<ul style="list-style-type: none">• Huntington Metro• Kings Crossing• Beacon Hill
West Potomac High School	<ul style="list-style-type: none">• Lockheed• Hybla Valley
Gum Springs Community Center	<ul style="list-style-type: none">• Gum Springs
Mount Vernon High School	<ul style="list-style-type: none">• Woodlawn• Fort Belvoir
South County Teen Center	<ul style="list-style-type: none">• Hyland Center





Outreach Timeline

Effort	Approximate Date
Design Submissions from Students	February-March 2023
Survey & Outreach	March-April 2023
Share Feedback and Results with Supervisor Offices	April 2023
Discuss Results and Feedback with Art Teachers & Students	April 2023
Students Incorporate Feedback	April-May 2023
Final Artwork Submissions	Early June 2023





12-Month Outlook





12-Month Outlook

- **Readiness to Enter FTA Engineering (January 2023)**
- **FTA Project Rating (March 2023)**
- **80% Design Milestone (June 2023)**
- **Right-Of-Way Acquisition/Demolition (Ongoing)**
- **Third Party Coordination (Ongoing)**
- **Utility Coordination (Ongoing)**

