Screening and Development of the Universe of Transportation Projects

Staff used the local and regional Issue Inventory spreadsheet as approved by the LRTP-Advisory Committee (AC) in their May 28 meeting as the starting point for the screening and development of the regionally significant transportation projects within the RRTPO's Metropolitan Planning Area (MPA) Boundary. Firstly, the Issue Inventory spreadsheet was spilt into different spreadsheets by different transportation modes - Active Transportation, Transit/Park and Ride, Freight/Rail/Multimodal and Highways. The Highway list was further broken down by the localities. Bridges and Interstate, Freeways and Multi-jurisdictional issues are listed separately. Please see the 'Universe of Issues for Screening' spreadsheet for details.

Staff have initiated the development of transportation projects for issues which have a project solution based on a completed or on ongoing studies and plans (to the extent possible). The projects as developed in those plans were then screened based on the 'Project Inclusion Guidelines' for ConnectRVA 2045. For issues which came out of the RRTPO Congestion Management Process, Richmond Tri-Cities Travel Demand Model runs, RRTPO 2020 Structures Inventory and Assessment Report, and local comprehensive/small area/transportation plans, the projects have not been developed yet. Since there is a lot of overlap of the issues some of them have already been addressed. Staff will work with VDOT, DRPT, locality representative and subject-matter experts in AC to develop and screen these projects.

Please see 'Universe of Projects- First Screening and Project Development' spreadsheet for details. The Spreadsheet has the followings tabs. Also listed are the respective Project Champion.

- Transit/Park and Ride – Champion GRTC/RRTPO/DRPT
- Active Transportation – Champion Localities/VDOT/RRTPO
- Freight/Rail/Other/Multimodal/System Resiliency – Champion DRPT/RRTPO/VDOT
- Highway Breakdown by Jurisdiction(s)
    - Ashland and Hanover County – Champion Ashland/Hanover
    - Chesterfield County – Champion Chesterfield
    - Henrico County – Champion Henrico
    - Richmond City - Champion Richmond
    - Goochland County – Champion Goochland
    - Powhatan County – Champion Powhattan
    - Multi-Jurisdiction/Interstate/Freeway- Champion VDOT
    - Bridge – Champion VDOT
- Public Comments – Out of 135 issues, 50 qualify for ConnectRVA 2045 based on the Project Inclusion Guideline. (Most of them have been covered by other established issues).
- Policy Program – Out of 272 Issues, 18 qualify for ConnectRVA 2045 based on the Project Inclusion Guideline. Most are rail projects.

- Unfunded Projects – 175 Unfunded projects based on Plan2040 and Smart Scale (Rounds 1-3). 89 Projects qualify for ConnectRVA 2045 based on the Project Inclusion Guidelines. (Some of the projects may be listed multiple times and some may have secured funding).

Please review the spreadsheet as a Project Champion or based on the area of expertise and provide comments. If you have already developed a project addressing an issue, please also note that. For a project to be in the LRTP we would require at the minimum the location details the project, anticipated project cost (capital, maintenance and operations) and time frame for which it is phased for completion. Complex projects like interchanges would require some kind of conceptual sketch. The project should also qualify based on the Project Inclusion Guideline.

The product of this exercise will be a spreadsheet with all the projects with detailed description and anticipated project cost. The Champions should also look into factors like availability of right of way or if the relocating of utilities is needed. Finally, there should be a political will of the locality to move forward with the project.

Once the list of projects is completed and vetted by the AC it would be posted online for a two-week formal public review period. After the completion of public review period it will come back to the AC for approval. Based on the timeline we are scheduled for approval of the list of transportation projects by October-November timeframe.

Regionally Defined Transportation Projects in RRTPO Metropolitan Planning Area: Projects Column (Attribute) Description

A. SN: Serial Number (hidden – for future use)
B. Issue ID: Issue Identification Number (copied from Issues spreadsheet)
C. Issue Description: Detailed description of the transportation Issue (copied from Issues spreadsheet)
D. Staff Notes
E. LRTP-AC Notes: Left blank for AC members comments
F. Project Description: Detailed description of the transportation Project
G. Project Inclusion Type: Regionally Significant Project based on the Project Inclusion Guideline
    1. Roadway - Capacity Change
    2. Roadway - Realignment, extension or relocation
    3. Roadway - New interchanges/ interchange modifications
    4. Roadway - Over/underpasses
    5. Roadway - New Road
    6. Roadway - Major Intersection
    7. Bridge - Replacement/Rehabilitation
    8. Transit- New dedicated transit right-of way
    9. Transit- New proposed regional transit routes

10. Transit - New or relocated transit centers/stations
11. Transit - New Park and Ride Lot
12. Transit - Park and Ride Lot Expansion
13. Bike/Ped -Segregated lanes within dedicated rights of way
14. Bike/Ped - Part of multi-jurisdictional network/ filling gaps
15. Bike/Ped -Support Existing Transit
16. Intermodal- Capacity Change
17. Rail
18. Other
19. Not Inclusive - Local & Programmatic Project
20. Not Inclusive - Outside RRTPO MPA Boundary
21. Not Inclusive - Already Funded or in the SYIP
22. Not Inclusive - Program/Policy
23. Not Inclusive - Study
24. Not Inclusive – Other

H. Project ID: Project Identification Number (hidden – for future use)
I. Project Champion: Project Applicant
   1. RRTPO Project – Bike-ped, bridge and highway (other than Interstate) projects crossing jurisdictional boundary
   2. Town of Ashland Project
   3. Charles City County Project
   4. Chesterfield County Project
   5. Goochland County Project
   6. Hanover County Project
   7. Henrico County Project
   8. New Kent County Project
   9. Powhatan County Project
   10. City of Richmond Project
   11. GRTC Project – Transit Projects
   12. Capital Region Airport Commission Project – Airport related Projects
   13. Ride Finders Project – TDM related Projects
   14. VDOT Project – Interstate and Freeways Projects
   15. DRPT Project – Rail Projects
   16. RMTA Project – Downtown Expressway and Powhite Parkway Projects
J. Project Location: Location of the Project
   1. Charles City
   2. Chesterfield
   3. Ashland
   4. Goochland
   5. Hanover

6. Henrico
7. New Kent
8. Powhatan
9. Richmond
10. Multi-Jurisdiction
11. Regionwide

K. Project Type:
1. Active Transportation
2. Bridge
3. Freight & Intermodal
4. Highway
5. Other
6. Park and Ride
7. Passenger Rail
8. Public Transit

L. Capital Cost Estimate (total): The Total Cost of the project (PE+ROW+C) For Bridge Projects Repair Cost and Replacement Cost Separated

M. Capital Cost: Year of Estimate: The Year for which the cost is estimated

N. Maintenance Cost Estimate (annualized) (hidden – for future use)

O. Operations Cost Estimate (annualized) (hidden – for future use)

P. Funding Source: Funding Source applicable for the project (hidden – for future use)
1. CMAQ
2. CVTA
3. District Grant Fund
4. High Priority Fund
5. Other
6. RSTP
7. SGR
8. TAP

Q. Implementation/ Funding Timeband: Timeband for the project to be phased for construction (hidden – for future use)
1. 2021-2026 (1)
2. 2027 -2032 (2)
3. 2033 -2038 (3)
4. 2039-2045 (4)

R. Project included in Local & Regional Plans? Local Comp. Plan
1. Yes
2. No

S. Project included in Local & Regional Plans? plan2040 (previous LRTP)
a. Yes
b. No

T. Project included in Local & Regional Plans? Regional Transit Vision Plan Phase 1 & 2: Only for Transit Projects
    a. Yes
    b. No
U. Project Readiness: Record if the EA (Environment Assessment) or EIS (Environment Impact Statement) has already been done for the project as required by the NEPA process. Record if IMR (Interchange Modification Report) or IJR (interchange Justification Report) has been prepared for Interstate projects. Record if there has been any public outreach (public meeting, survey, etc.) for the project.
    1. EA
    2. EIS
    3. IJR
    4. IMR
    5. None
    6. Public Outreach