

# Smart Scale Round 4 Preparation Category A vs. B Discussion



**SMART  
SCALE**




*Funding the Right  
Transportation Projects  
in Virginia*

# Category A vs. B Weighting Discussion

- **Larger urban areas are in either category A or B**
  - **Category A currently includes NOVA (~3 million pop), Hampton Roads (~1.7 million pop), and FAMPO (~320K pop)**
    - NOVA and Hampton Roads are required to be in Category A
  - **Category B currently includes Richmond (~1 million pop), Roanoke (~230K pop), and Charlottesville (~232K pop)**
- **Rural and Small urban areas are in either category C or D**
  - **King George and Caroline are in Category D**
- **It is possible for FAMPO to request to the State to move from Category A to Category B**

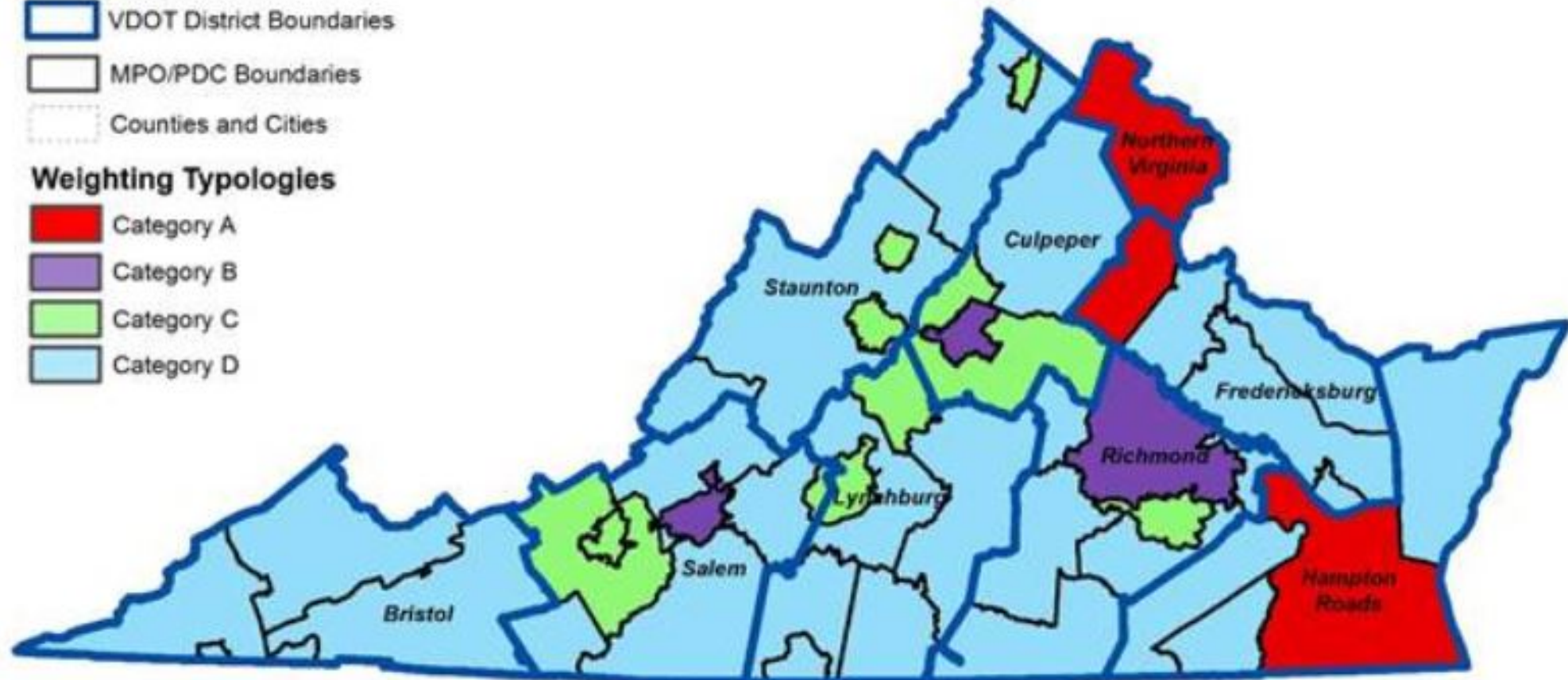
# Map of Smart Scale Categories

## Legend

-  VDOT District Boundaries
-  MPO/PDC Boundaries
-  Counties and Cities

## Weighting Typologies

-  Category A
-  Category B
-  Category C
-  Category D



# Smart Scale Categories for FAMPO and Rural GWRC

Factor	Congestion Mitigation	Economic Development	Accessibility	Safety	Environmental Quality	Land Use
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**FAMPO**

Category A	45 percent	5 percent	15 percent	5 percent	10 percent	20 percent
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Category B	15 percent	20 percent	25 percent	20 percent	10 percent	10 percent
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Category C	15 percent	25 percent	25 percent	25 percent	10 percent	-
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**Rural GWRC: Caroline and King George**

Category D	10 percent	35 percent	15 percent	30 percent	10 percent	-
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# Congestion is the most critical scoring measure for Category A which includes FAMPO region

**Table 4.6 Calculate SMART SCALE Score**

Project Located in Typology Category A													
	Congestion Mitigation		Safety		Accessibility			Environment		Economic Development			Land Use
	Person Throughput	Person Hours of Delay	Number of Fatal and Injury Crashes	Rate of Fatal and Injury Crashes	Access to Jobs	Access to Jobs for Disadvantaged Populations	Access to Multimodal Choices	Air Quality and Energy Environmental Effect	Impact to Natural and Cultural Resources	Project Support for Economic Development	Intermodal Access and Efficiency	Travel Time Reliability	Transportation Efficient Land Use
Measure Score	1.4	0.79	6.9	1.24	0.152	0.18	0.15	0.09	0.39	2.09	2.8	3.83	6.91
Measure Weight	50%	50%	50%	50%	60%	20%	20%	50%	50%	60%	20%	20%	100%
Weighted Measure Score	0.7	0.39	3.45	0.62	0.09	0.04	0.03	0.04	0.19	1.25	0.56	0.77	6.91
Raw Factor Score	1.09		4.07		0.16			0.25		2.58			6.91
Factor Weighting	45%		5%		15%			10%		5%			20%

# Factor changes potentially beneficial to FAMPO projects

## ▪ **Safety Factor :**

- measures the project's expected effectiveness in reducing the number and rate of injury, fatality, and property damage crashes

**This factor will increase from 5% to 20%**

## ▪ **Economic Development Factor:**

- measures a project's ability to directly support economic development in the region

**This factor will increase from 5% to 20%**

# Summary of Category A vs. B Weighting Analysis

- **Analysis by UMW researchers working for FRA and the Chamber of Commerce have found that FAMPO area projects in Smart Scale Round 1 & 2 would have scored better using Category B weighting instead of Category A weighting**
- **FAMPO staff analysis have verified UMW findings for Round 1 & 2**
- **FAMPO staff analysis also looked at Round 3 and found that FAMPO projects would have scored better using Category B weighting instead of Category A weighting**

# Possible Next Steps

## Proposed Schedule:

**October: Discussion**

**November: Potential Action**

## Questions:

- **Is there interest in pursuing moving from Category A to B?**
- **Is there additional information the committee would like to see to make this decision?**

## Discussion: