

Smart Scale Summary

Presentation to FAMPO
March 20, 2017



Smart Scale Criteria and Weighting for FAMPO Area

Note: Caroline & King George have same criteria, but different weighting

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%

Summary of Input for State

1. Congestion

- Only 2025 weekday traffic used. No consideration of existing traffic or weekend traffic.
- I-95 SB River Crossing and other committed I-95 improvements effectively lowered congestion scoring for I-95 NB River Crossing
- PNR Lots – Only commuters within 3 miles of proposed PNR lot counted. PNR occupancy only assumed at 75%. These assumptions are too low for GWRC region.

2. Safety

- Only accidents in immediate project limits counted. Underestimates large project benefits.
- Localized assessment for safety can lead to high variance in scoring for this criteria.

3. Accessibility:

- 45 minute travel time threshold for Automobile Access to Jobs too low for GWRC/FAMPO area

4. Economic Development:

- Only economic development within 1, 3, or 5 miles counts for 3 Tiers of projects. Underestimates large project benefits.
- Localized assessment for economic development can lead to high variance in scoring for this criteria.

Next Steps

1. Final Special Task Force for Smart Scale Meeting on 3/30

- Summary of recent updates.
- Finalize input for the State
- Submit input to Mr. Connors and Smart Scale website

2. April 10th Smart Scale Meeting for Fredericksburg District

- 3:30 to 5:30 PM at Germanna Community College. Open to Smart Scale applicants
- Public meeting starts at 6 PM

Questions?



**SMART
SCALE**

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Transportation Projects
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