Prioritization Approach

The prioritization method was developed by Kimley-Horn and Associates for FAMPO in 2008 to score projects in the FAMPO Long Range Transportation Plan, The methodology is based the collective experience of other Metropolitan Planning Organizations and localities.

Projects are ranked based on six (6) categories. The categories are;

- Congestion
- Safety
- Environmental Impacts
- Public Support
- Implementation
- Smart Growth

Points are assigned to each of the categories to obtain a total score. The score is weighted with the primary emphasis on two categories; Congestion and Safety. These two categories make up 60% of the total number of points a project can achieve. A perfect score is 100 points.

Congestion scoring is based on the Spotsylvania County Travel Forecasting Model which determines Level of Service based on the following Volume/Capacity Relationship. The lower the volume/capacity that is achieved with the improvement, the greater the number of points assigned.

Level of Service – Volume/Capacity Relationship

Facility Type	A	B	C	D	E	F
Freeway Ramp	< 0.26	0.27-0.42	0.43-0.63	0.64-0.79	0.80-1.00	> 1.00
Multi-lane Arterials	< 0.28	0.29-0.47	0.48-0.66	0.67-0.79	0.80-1.00	> 1.00
2-lane Arterials	< 0.05	0.06-0.17	0.18-0.32	0.33-0.48	0.49-0.91	> 0.92
Collectors, Local Roads						

Safety is scored on based on a projects ability to mitigate geometric deficiencies such as horizontal and vertical alignment, inadequate width or shoulders, or sharp curves and on its crash rate.

The remaining points are assigned to the project based on Environmental Impacts; whether it impacts wetlands, historical or archaeological sites or the neighborhood community in general, Public/Community Support; whether the project has local, regional or national support, Funding; whether dollars have been assigned to the project or some plans are available; and Smart Growth; whether the project provides intermodal access and promotes sustainable growth. These four factors make up the other 40% of the projects score.