



**North Carolina
Department of
Transportation**



**Strategic Prioritization Process
Highway Scoring Matrix**

Highway Prioritization Model Overview

Total Score = Quantitative Pts + Qualitative Pts + Multimodal Pts

- **Quantitative** points derived from current roadway condition data:
 - Safety Score (Critical Crash Rate, Crash Severity, Crash Density)
 - Mobility/Congestion Score (Volume/Capacity + AADT)
 - Infrastructure Health/Pavement Score (Pavement Condition Rating)
- **Qualitative** points driven by Division rank and MPO/RPO rank:
 - MPO/RPO Rank – use local methodology to rank order priorities
 - Division Rank – use knowledge of local area to rank order priorities
 - ***Only one # 1 highway project per MPO/RPO and per Division***
 - ◇ ***Rank Top 25 highway projects***

Final Scoring Matrix for Highway Projects

Quantitative

Qualitative

<u>GOAL</u>	<u>TIER</u>	<u>Weighted</u> <u>Condition</u> <u>Data</u> <u>Percentage</u>	<u>Weighted</u> <u>Division Rank</u> <u>Percentage</u> <i>Top 25 Projects</i>	<u>Weighted</u> <u>Local Rank</u> <u>Percentage</u> <i>Top 25 Projects</i>
		MOBILITY	Statewide	70%
	Regional	50%	25%	25%
	Subregional	0%	40%	60%
SAFETY	Statewide	70%	20%	10%
	Regional	70%	15%	15%
	Subregional	50%	20%	30%
INFRASTRUCTURE	Statewide	70%	20%	10%
HEALTH	Regional	70%	15%	15%
	Subregional	50%	20%	30%

Final Scoring Matrix for Highway Projects

Quantitative

Qualitative

<u>GOAL</u>	<u>TIER</u>	<u>Weighted Condition Data Percentage</u>		<u>Weighted Division Rank Percentage</u>	<u>Weighted MPO/RPO Rank Percentage</u>
				<i>Top 25 Projects</i>	<i>Top 25 Projects</i>
MOBILITY	Statewide	70%	{ CONG = 80% PVMT = 10% SAFE = 10%	20%	10%
	Regional	50%		25%	25%
	Subregional	0%	40%	60%	
SAFETY	Statewide	70%	{ CONG = 10% PVMT = 10% SAFE = 80%	20%	10%
	Regional	70%		15%	15%
	Subregional	50%	{ PVMT = 20% SAFE = 80%	20%	30%
INFRASTRUCTURE HEALTH	Statewide	70%	{ CONG = 10% PVMT = 80% SAFE = 10%	20%	10%
	Regional	70%		15%	15%
	Subregional	50%	{ PVMT = 80% SAFE = 20%	20%	30%

Strategic Prioritization Process

FINAL Multi-Modal Scoring System For Highway Projects

Please check if the **highway** project includes one or more of the following new or additional multimodal elements (select all that apply):

- **Multimodal Options → 8 points:** HOV / HOT or Light Rail or Bus Rapid Transit within the highway right-of-way.
- **Multimodal Connections → 5 points:** Direct connection to a transportation terminal (airport, seaport, rail depot, ferry terminal, intermodal terminal, transit terminal)
- **Multimodal Design Features → 3 points:** Sidewalks, Pedestrian Crossings, Striped Bicycle Lanes, Wide Outside Shoulders (greater than or equal to two feet), Bus Pullouts, Transit Bypass Lanes, Transit Signal Prioritization, Bus Shelters

NOTE:

- ❖ ***Multimodal Projects must be included in the Top 25 Highway Projects and must be part of an adopted Comprehensive Transportation Plan, Long Range Transportation Plan, or a mode-specific plan.***
- ❖ ***Multimodal points will be added to a project after the Quantitative and Qualitative Scoring is calculated.***