

## EVALUATION CRITERIA

| Category                           | Evaluation Criteria                         | Objective                                                                                                              | Metric                                                                                                                                                     |
|------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Multimodal Mobility & Connectivity | Travel Time Predictability                  | Improve existing roadways to make travel times more predictable, so people know what to expect when they use the road. | Percentage of traffic on congested roadways during peak period traffic.                                                                                    |
|                                    | Intersection Congestion                     | Reduce traffic backups at intersections during peak period traffic.                                                    | Amount of delay at intersections during peak period traffic.                                                                                               |
|                                    | Bus Service Availability                    | Increase the number of bus options and quality available to the community.                                             | Number and frequency of bus routes in the study area.                                                                                                      |
|                                    | Walking and Biking Comfort Level            | Provide a safer and more comfortable bicycle and pedestrian environment across the study area.                         | Miles of added infrastructure by level of traffic stress (sidewalks, trails, separated bike lanes).                                                        |
|                                    | Connectivity and Access to Key Destinations | Make it easy for residents to reach jobs, services, and other everyday destinations by all modes of travel.            | Number of Key Destinations (jobs, schools, healthcare, grocery stores, etc.) within 30-minutes by walk, bike, bus, and car.                                |
| Safety                             | Overall Roadway Safety Impact               | Reduce the number and severity of vehicle, pedestrian, and bicycle crashes.                                            | The Highway Safety Manual calculation based on historic crash conditions.                                                                                  |
|                                    | Safe Transportation Network                 | Create a safer transportation system by reducing opportunities for severe crashes.                                     | Infrastructure improvement ratings in the Safe System Roadway Design Hierarchy.                                                                            |
| Community                          | Impacts to Properties                       | Limit the impact on households and businesses in the study area.                                                       | The number of properties that will have partial or full property takes because of road widening or new road construction.                                  |
|                                    | Impacts to Historical & Cultural Sites      | Minimize the impact on historical and cultural sites in the study area.                                                | The number of cultural and historical sites impacted by the project (e.g., right-of-way intersecting with the property).                                   |
|                                    | Plan Alignment                              | Align this study in support of existing local and regional plans.                                                      | Alignment with: GPCOG LRTP: Connect2050, comprehensive plans for Gorham, Scarborough, Westbrook and South Portland, and the MaineDOT LRTP Family of Plans. |
|                                    | Reduction of Cut-through Traffic            | Reduce the traffic volume diverted onto local roads.                                                                   | Reduction of traffic volume diverted onto local roads.                                                                                                     |
| Environmental                      | Impact on Natural Land and Open Spaces      | Preserve natural land and open space to the extent possible in the study area.                                         | Acres of open space impacted by project (including wetlands, farmlands, waterways, and forested land).                                                     |
|                                    | Vehicle Emissions                           | Minimize greenhouse gas emissions from travel within the study area.                                                   | Estimated change in greenhouse gas emissions.                                                                                                              |
| Constructability & Cost            | Constructability                            | Minimize design, engineering, and construction complexity to improve ability to deliver the project.                   | Utility impacts, construction duration (e.g., overpass construction, grade issues, abutments, etc.).                                                       |
|                                    | Cost                                        | Understand financial feasibility relative to available funding/benefits.                                               | Capital cost, bus operations, and maintenance cost.                                                                                                        |