## **PROJECT SOLICITATION AND PRIORITIZATION**

### MPO Long Range Transportation Plan and State Ten Year Plan



# **PROJECT SELECTION PROCESS**

### 1. Project is feasible

• Project addresses a clearly defined transportation need, is reasonable in approach, and is likely to receive required Resource Agency permits and approvals.

### 2. Project is supported

- Project has demonstrated local support and matching funds (if necessary) and conforms to regulations and plans for affected areas.
- Required fields on project application form are complete for new projects.
- 3. Project is eligible for federal funding programs
- 4. Apply Project Selection Criteria

# **GROUPING PROJECTS BY SCALE**

	Local	Regional	Inter-Regional
Focus	Safety, access, and multimodal connections <u>within</u> communities	Multimodal connections <u>between</u> communities and regional activity centers	Mobility & intermodal improvements to ensure that the region is well connected <u>to the rest</u> of New England and beyond.
Project Types	<ul> <li>Smaller scale bike/ped and transit projects</li> <li>Highway projects on "main street" state highways and some local roads</li> <li>Multimodal access to services for all users</li> <li>Complete Streets and context sensitive design</li> </ul>	<ul> <li>Projects primarily on State Highways</li> <li>Regional Transit</li> <li>Regional scale bike/ped</li> <li>Improve access to regional activity centers</li> <li>Improve mobility</li> <li>Address safety issues</li> </ul>	<ul> <li>Project Related to National Highway System</li> <li>Reduce congestion on critical roadways</li> <li>Freight mobility and travel time</li> <li>Inter-regional Bus and Rail transit service</li> <li>Address safety problems</li> </ul>
Important Criterion	<ul> <li>Safety</li> <li>Equity and Accessibility</li> <li>Natural Hazards Resiliency</li> </ul>	<ul> <li>Safety</li> <li>Economic Development</li> <li>Mobility</li> <li>Equity and Accessibility</li> </ul>	<ul> <li>Safety</li> <li>Mobility</li> <li>State of repair</li> <li>Network Significance</li> </ul>

# LOCAL SCALE

	Local	
Focus	Safety, access, and multimodal connections <u>within</u> communities	
Project Types	<ul> <li>Smaller scale bike/ped and transit projects</li> <li>Highway projects on "main street" state highways and some local roads</li> <li>Multimodal access to services for all users</li> <li>Complete Streets and context sensitive design</li> </ul>	
Important Criterion	<ul> <li>Safety</li> <li>Equity and Accessibility</li> <li>Natural Hazards Resiliency</li> </ul>	

NUMBER	ROUTE	PROJECT NAME	Funding
40436	NH 111	Widen shoulders to 5' on Kingston Road (NH 111) for approximately 1.1 Miles	\$1,128,470
40641	Main Street	Main Street Traffic Calming and Safety Improvements Plaistow	\$1,398,585

# **REGIONAL SCALE**

	Regional	
Focus	Multimodal connections <u>between</u> communities and regional activity centers	
Project Types	<ul> <li>Projects primarily on State Highways</li> <li>Regional Transit</li> <li>Regional scale bike/ped</li> <li>Improve access to regional activity centers</li> <li>Improve mobility</li> <li>Address safety issues</li> </ul>	
Important Criterion	<ul> <li>Safety</li> <li>Economic Development</li> <li>Mobility</li> <li>Equity and Accessibility</li> </ul>	

NUMBER	ROUTE	PROJECT NAME	Funding
41717	NH 121	NH 121 Depot Road Intersection Capacity Expansion	\$2,400,000
40797	Ocean Blvd	Ocean Blvd Reconstruction (Hampton)	\$9,939,209
26485	East Coast Greenway	Acquire 9.7 miles RR Corridor Hampton-Portsmouth & improve existing corridor surface for bike/ped	\$8,234,104

# **INTER-REGIONAL SCALE**

	Inter-Regional	
Focus	Mobility & intermodal improvements to ensure that the region is well connected <u>to the rest</u> of New England and beyond.	
Project Types	<ul> <li>Project Related to National Highway System</li> <li>Reduce congestion on critical roadways</li> <li>Freight mobility and travel time</li> <li>Inter-regional Bus and Rail transit service</li> <li>Address safety problems</li> </ul>	
Important Criterion	<ul> <li>Safety</li> <li>Mobility</li> <li>State of repair</li> <li>Network Significance</li> </ul>	

NUMBER	ROUTE	PROJECT NAME	Funding
29608	NH 125	Capacity and traffic management improvements from Brickyard Plaza to NH 87 (Epping)	\$14,566,191
41584	NH 101/ US 1	NH 101/US 1 Interchange reconfiguration	\$7,408,518
29640	US 1	US 1 Improvements from Constitution Ave to Wilson Rd and from Ocean Rd to White Cedar Blvd (Portsmouth)	\$17,131,767

## PROJECT SELECTION CRITERIA FOR 2022-2023

- No New selection criteria
- Working on additional implementation guidance with NHDOT
- Ten Year Plan is focused broadly on roadway/bike/ped type improvements
- Multiple programs to address Red List Bridges and have their own prioritization processes.

### NH TEN YEAR PLAN: Regional Project Review

#### **NEW HAMPSHIRE'S "TEN YEAR PLAN"**

The New Hampshire 10-Year Transportation Improvement Plan ("Ten Year Plan") is a fiscally-constrained program of state- and federalfunded transportation projects. The Ten Year Plan is updated biennially, pursuant to the requirements of New Hampshire RSA 240.

The *Ten Year Plan* includes projects related to roadway improvements, bicycle and pedestrian travel, public transportation, aviation, and natural hazard resiliency.

#### REGIONAL PROJECT REVIEW PROCESS

As part of the biennial update of the *Ten Year Plan*, each of the nine New Hampshire Regional Planning Commissions (RPCs) leads a process to identify and prioritize transportation projects in their respective regions for inclusion in the *Plan*.

Projects eligible for consideration through the regional review process:

- Asset management projects (e.g., bridge rehabilitation, bridge replacement, pavement/base/subbase repair/replacement);
- ⇒ Bicycle and pedestrian improvements (e.g., sidewalks, bike trails, multi-use paths; traffic calming improvements);
- ⇒ Infrastructure-related travel demand management projects (e.g., park and ride lots, transit or HOV lanes, priority signalization, bus shelters, intermodal transportation centers);
- ⇒ Planning studies assessing the need for future projects;
- ⇒ Roadway improvements (e.g., operational improvements, access management, intelligent transportation systems, widening, technology operation improvements).

#### PROJECT REVIEW CRITERIA

The criteria included in this packet are intended t help RPC's prioritize projects in their respective regions. A list of criteria is provided in the table t the right.

Each RPC may assign weights to different criteria t reflect regional priorities. Weights should be assigned to criteria prior to scoring projects.

For each project, a score should be assigned for each criterion in order to develop an overall proje score. Detailed scoring procedures are provide on page 2 of this packet.

Each RPC should clearly define the specific scoring process that will be used prior to scoring projects.



#### FEDERAL HIGHWAY SYSTEM PERFORMANCE MEASURES

Under the Fixing America's Surface Transportation Act (FAST Act), state DOTs and Metropolitan Planning Organizations (MPOs) are required to use **performance measures** to work toward specific targets in support of **national goals for transportation management** in all federally-funded projects and programs.

The Ten-Year Plan Criteria detailed in this packet reflect these federal performance measures. Relevant federal performance measures are noted with each criterion.

	CRITERION	SUB-CRITERIA
	Economic Development	Local & Regional; Freight Movement
to	Equity, Environmental Justice, & Accessibility	Equity & Environmental Justice; Accessibility
to	Mobility	Mobility Need & Performance; Mobility Intervention
	Natural Hazard Resiliency	Hazard Risk; Hazard Mitigation
r	Network Significance	Traffic Volume; Facility Importance
d	Safety	Safety Performance; Safety Measures
ng s.	State of Repair	State of Repair; Maintenance
3.	Support	n/a

For each criterion, the following reference table is provided in order to standardize & guide project reviews:

#### REGIONAL EVALUATION CONSIDERATIONS POTENTIA

This column includes the factors that should be considered in order to evaluate and rank proposed Ten Year Plan projects. Depending on data availability, some considerations may not be evaluated for all projects.



This column includes data and established resources for best practices that can be used to justify project rankings. Not all sources of data will be available for each project. It is left to the discretion of each RPC as to which sources to consult.

Note: project review criteria and associated scores are intended to <u>inform</u> the regional project prioritization process. RPCs may consider other factors, such as project costs and timelines, when deciding final regional priorities.

## Economic Development

The degree to which a project supports economic development needs and opportunities at the 1) local and 2) regional level; and 3) the degree to which the project impacts the movement of goods

	which the project impacts the movement of goods (ght).
REGIONAL EVALUATION CONSIDERATIONS	POTENTIAL RESOURCES & DATA SOURCES
<ul> <li>boes the project directly relate to a documented community revitalization or economic development effort?</li> <li>Does the project dirprove mobility and/or accessibility to and from a regional employment hub?</li> <li>Does the project improve mobility and/or accessibility to and from a regional tourism destination?</li> <li>Does the project support the implementation of a regional economic development plan?</li> </ul>	Resources:         • Local, regional and statewide economic development plans and documents         • Transit system maps         • Bicycle network/route maps         • Sidewalk network maps         • Online isochrone tools         • Regional Comprehensive Economic Development Strategies         • Economic-related chapters and goals of Regional Plans
Preight Movement     MIPACT     Does the project implement a high priority freight     improvement project as identified in the NH State     Freight Plan or an adopted Regional Transportation     Plan?     Does the project improve a freight bottleneck     location as identified in the NH State Freight Plan     or an adopted Regional Transportation     Plan?     Would the project improve freight transportation     or as critical Urban Freight Corridor (CUFC) or     Critical Rural Freight Corridor (CUFC) candidate     location as identified in the NH State Freight Plan     (or as previously recommended by a MPO/RPC for     future inclusion in the NH State Freight Plan?     Would the project improve Truck Travel Time     Reilability on the Interstate system or other     National Highway Freight Network Route?	Resources: State Freight Plan Regional Long-Range Transportation Plans Critical Urban Freight Corridor (CUFC) Candidate Location List Critical Rural Freight Corridor (CRFC) Candidate Location List Truck Travel Time Reliability (TTTR) Index Data from the National Performance Management Research Data Set (NPMRDS)

Criterion	Evaluation Focus
Economic Development	Will the project improve accessibility to a regional activity center (employment hubs, tourism destination, etc.)?
Freight Movement	Will the project address a freight bottleneck?

 Accessibility: The ability to reach desired goods, services, activities, and destinations. This type of benefit is best provided by projects that expand access via alternative modes.

### **Relative Importance for Each Project Scale**

Local	Regional	Inter-Regional
Moderate	High	High

## Equity, Environmental Justice, and Accessibility

The degree to which a project provides a transportation option for someone who may not drive, or otherwise supports fair distribution of the benefits and burdens of the transportation system.

REGIONAL EVALUATION CONSIDERATIONS	POTENTIAL RESOURCES & DATA SOURCES
quity & Environmental Justice         IMPACT           • Would the project provide transportation infrastructure benefits to an identified concentration area for minority population, low- income population, limited English proficiency population, disabled population, or other traditionally-underserved population group as identified in a local, regional, or statewide Title VI or Environmental Justice Program?           • Would the project expand transportation choices or enhance alternative modes of transportation in an identified concentration area for minority population, low-income population, limited English proficiency population, disabled population, group?           • Does the project implement transportation-related	Resources:         • Regional and Statewide Title VI and Environmental Justice Programs         • Community Health Improvement Programs         • Region-specific Demographic Analyses         • US 13 CFR Part 301.3 Economic Distress Criteria (https://www.govinfo.gov/content/pkg/CFR-2018-title13-vol1/xml/CFR-2018-title13-vol1/xml/SFR-qnum301.3)         • Northerm Border Regional Commission annual distress criteria reports         • CMAQ air quality analysis tools         • MPO regional emissions analyses
recommendations resulting from a local, regional, or statewide Community Health Improvement Plan (CHIP) or other comprehensive public health analysis? What is the impact of the project on air quality? Are air quality impacts disproportionately affecting traditionally underserved populations?	Resources:
Impact           • Does the project incorporate Universal Design considerations to ensure that all users, including those with mobility impairments, visual impairments or other disabilities can fully access and utilize the facility?           • Does the project incorporate accessibility upgrades or remove barriers to access?           • Does the project improve coordination between transportation service providers or between modes of transportation to improve access to essential services, particularly for elderly and disabled populations?	Conceptual Designs for Proposed Projects     Local, Regional, or Statewide ADA Transition Plans     Public Transit-Human Service Transportation     Coordination Plans
Federal Highway Administration System Performan	Measures Addressed nce Measures: 1) on-road mobile source emissions ction.

Criterion	Evaluation Focus
Impact on underserved population	Will the project expand transportation choices or enhance alternative modes, particularly for traditionally underserved populations?
Impact on Access & Accessibility	Will the project remove barriers to access?

 Barriers to Access: Refers to implementing accessible design or universal design standards to accommodate people with disabilities and other special needs.

### **Relative Importance for Each Project Scale**

Local	Regional	Inter-Regional
High	Moderate	Low

## Mobility

The degree to which a project reduces the time needed to get from one place to another.

Mobility	NH TEN YEAR PLAN Regional Project Review	
Definition: 1) an historical analysis of the mobility ne 2) a forward-looking analysis of how intervention mobility performa	red and performance of a location for all modes, and a proposed as part of a project would improve the nce for all modes.	
REGIONAL EVALUATION CONSIDERATIONS	POTENTIAL RESOURCES & DATA SOURCES	
Obdity Need & Performance         NEED           Nilly-Europase         Mate is the federal functional classification of the project area (i.e., is high mobility an underlying function of the federal functional classification of the project area (i.e., is high mobility an underlying function of the federal regional, or statewide commercion?           anima <ul> <li>anime the following mobility need for vehicle travel, what is the project area's performance relative to competition?</li> </ul> Ioral regional, or state plan? <ul> <li>anima</li> <li>For projects addressing mobility need for vehicle travel, what is the project area's performance relative to congestion or delay, and if available, what is person throughput for a defined time period (throughput)?</li> <li>Cycle and Pedestrian</li> <li>For projects addressing mobility need for bicycle and pedestrian travel, what is project area's performance relative to congestion or delay, and if available, what is transit for defined time period (throughput)?</li> </ul> <li>For projects addressing mobility need for bicycle and pedestrian travel, what is project area's performance relative to delay, and if available, what is traffic for defined time period (throughput)?</li>	rmance Measur  New/improved bike lane	Review nodes, and rove the A SOURCE ation of the of work are the of work are the of work are t
	Federal Performance Measures Addressed Federal Highway Administration.fH:WJJ System Performance Measures 17 Heilable person- miles traveled on the Interstate System; 2) reliable person- miles traveled on the non-threstate National Highway System.	rian signals mitation of utility poles road and

Criterion	Evaluation Focus
Facility Purpose	Assessed based on the Functional Classification of the roadway and status as a local, regional, or statewide connection
Mobility Intervention	Will the project result in mobility benefits (reduced congestion/improved travel times)?

### Facility Purpose overlaps with Network Significance

Mobility Almost always refers to reducing travel time for cars

Relative Importance for Each Project Scale			
Local	Regional	Inter-Regional	
Low	Moderate	High	

## Natural Hazards Resiliency

The exposure of a location to risk of damage from natural hazards and the project approach to mitigating that risk.

forward-looking analysis of how the natural hazard	(i.e. flood history) to a transportation facility, and; 2) a mitigation measures proposed as part of a project hazard risks. POTENTIAL RESOURCES & DATA SOURCES
Interval Hazard Risk         NEED           azard Risk         •           •         Are natural hazards in the project area documented in a plan, study, or database?           •         Have natural hazards previously impacted transportation infrastructure and/or mobility in the project area? How frequently?           •         Are natural hazard risks anticipated to increase in severity/impact (for example, due to anticipated impacts of climate change)?	Resources:         Hazard Risk         • Local plans: Hazard Mitigation Plans, Master Plans, Capital Improvement Plans, Emergency Operations Plans, etc.         • Regional plans: Regional Transportation Plan, Corridor Studies, River Corridor Management Plans, Watershed-Based Plans, Regional Plan, Comprehensive Economic Development Strategy, etc.         • Local and Regional Vulnerability Assessments         • Results of studies or assessments, such as geotechnical studies, fluvial geomorphology studies, SADES-based assessments, etc         • Hydraulic capacity modeling results/reports         • FEMA Flood Hazard Maps         • Regional studies on anticipated impacts of climate change on natural hazard risk
Internet Mitigation         IMPACT           lazard Mitigation - All Projects         in what extent does the project mitigate or adapt to nown natural hazards in the project area? Does the roject propose in-king replacement of hazard-prone firstructure?           • Mitigate (highest score): project eliminates or substantially reduces risk from known natural hazard (e.g., relocates infrastructure away from flood hazard area).         • Adapt (moderate score): project addresses known natural hazard but does not entirely mitigate risk (e.g., reinforces infrastructure in place).           In-kind (lower score): project simply replaces hazard -prone with same/similar infrastructure (e.g., replace stream culvert with culvert of same dimensions).           lazard Mitigation - Additional Stream Culvert & Bridge troject Considerations           is Is the project responsive to stream characteristics, such as flood propensity, slope, bankfull width, and orientation to roadway?	Resources:         Hazard Mitigation - All Projects         • RPC review of project scope         • Section 6.4 of FHWA's HEC 17: Highways in the River Environment - Floodplains, Extreme Events, Risk, and Resilience, 2nd Edition https:// www.fhwa.dot.gov/engineering/hydraulics/pubs/ hif16018.pdf         • Section 3.4 FHWA's HEC 25: Highways in the Coastal Environment: Assessing Extreme Events: Volume 2 - 13t Edition https://www.fhwa.dot.gov/engineering/hydraulics/p ubs/nhi14006/nhi14006.pdf         Hazard Mitigation - Stream Culvert & Bridge Projects         • NH SADES stream crossing assessment data         • Hydraulic capacity modeling results/reports         • North Country Council Stream Crossings for Flood Resiliency & Ecological Health: http:// www.nccouncil.org/wp-content/uploads/2019/08/ NCC-Stream-Crossing-Guide EHNAL pdf

Criterion	Evaluation Focus
Natural Hazard Risk	Is the project in a location with identified natural hazard risks?
Natural Hazard Mitigation	Will the project mitigate or eliminate the likelihood of damage from natural hazards?

Amount of mitigation/adaptation is sometimes a challenge to estimate given lack of design details in most projects

<b>Relative</b>	Importance	for Each	<b>Project Scale</b>

Local	Regional	Inter-Regional
High	High	Moderate

## Network Significance

The importance of the service or facility to the communities, region, and larger transportation system of the state.

<ul> <li>Inally-significant based on 1) traffic volume; and 2) and the regional transportation system.</li> <li>POTENTIAL RESOURCES &amp; DATA SOURCES</li> <li>Resources:</li> <li>Vehicular volume</li> <li>NHDOT Transportation Data Management System <u>https://hhdot.ms2soft.com/tcds/tsearch.asp?loc=nh</u> dot</li> <li>Regional Planning Commission traffic count databases</li> <li>Bicycle &amp; pedestrian volume</li> <li>Regional Planning Commission bicycle &amp; pedestrian count databases</li> <li>Pedestrian &amp; Bicycle Information Center; Counting &amp; Estimating Volumes <u>http://www.pedbikeinfo.org/topics/countingestimat</u> ing.cfm</li> </ul>
Resources:         Vehicular volume         NHDOT Transportation Data Management System https://nhdot.ms2soft.com/tcds/tsearch.asp?loc=nh dot         Regional Planning Commission traffic count databases         Bicycle & pedestrian volume         • Regional Planning Commission bicycle & pedestrian count databases         • Pedestrian & Bicycle Information Center; Counting & Estimating Volumes         • Inttp://www.pedbikeinfo.org/topics/countingestimat
Vehicular volume     NHDOT Transportation Data Management System <a href="https://nhdot.ms2soft.com/tcds/tsearch.asp?loc=nh">https://nhdot.ms2soft.com/tcds/tsearch.asp?loc=nh</a> dot     Regional Planning Commission traffic count     databases Bicycle & pedestrian volume     Regional Planning Commission bicycle &     pedestrian count databases     Pedestrian & Bicycle Information Center, Counting     & Estimating Volumes     http://www.pedbikeinfo.org/topics/countingestimat
<ul> <li>Congestion Mitigation &amp; Air Quality (CMAQ) analysis tools</li> <li>Strava data</li> </ul>
Resources:         Origins and Destinations         • Local, regional and statewide transportation planning documents         • Priority pedestrian and bicycle transportation corridors identified in the Statewide Pedestrian and Bicycle Transportation Plan         • Transit system maps         • Bicycle network/route maps         • Sidewalk network maps         • Online isochrone tools         Network Centrality         • Regional Planning Commission transportation model (if available)         • RPC review of road networks         • Gls database with "Network Analyst" license/module         Alternate Routes         • Google Maps Travel Time calculator         • RPC travel time analysis (if available)

Criterion	Evaluation Focus
Traffic Volume	Based on the volume of traffic (vehicular/bike/pedestrian) at the location
Facility Importance	How critical is the location to the transportation network?

### Facility Importance is nearly identical to Facility Purpose (Mobility)

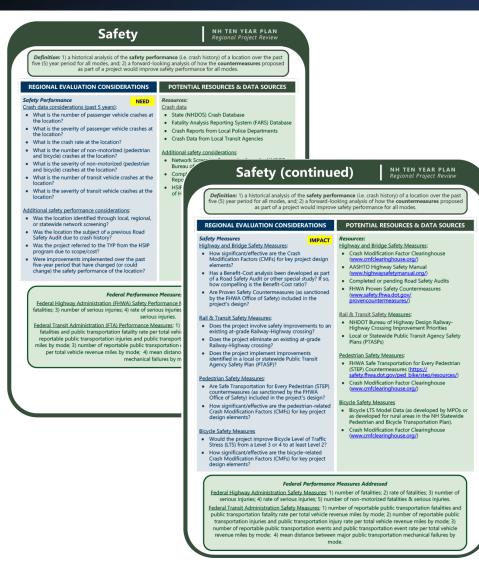
## *Traffic Volume is usually higher on more important, and higher functional class, roadways*

### **Relative Importance for Each Project Scale**

Local	Regional	Inter-Regional
Low	Moderate	High

# Safety

The degree to which the project impacts traveler safety in relation to safety performance and the project's expected safety benefits.



Criterion	Evaluation Focus
Safety Performance	What is the crash history at the location for the last 5 years?
Safety Measures	What are the expected safety improvements from the project?

Available state safety data is poor – getting data from local PD would be helpful

Expected safety benefits are challenging to estimate

<u>Relative Imp</u>	ortance for Each	<u>Project Scale</u>
Local	Regional	Inter-Regional
High	High	High

## State of Repair

The extent to which the project improves infrastructure condition in the project area and the degree to which the project impacts NHDOT and/or municipal maintenance requirements.

Definition: 1) the degree to which the project impro of repair); and 2) the degree to which the project REGIONAL EVALUATION CONSIDERATIONS	
Inter of Repair         NEED           • What is the condition of the infrastructure that is being addressed? For roadways, this includes pavement, sub-base, and base materials.         • Does the project address the underlying causes of current infrastructure conditions?	Resources:         • NHDOT Pavement Condition Index (if current)         • SADES assessment data         • Geotechnical studies/reports         • Information requests from NHDOT offices: District Engineers, Bridge Maintenance Bureau, etc         • NHDOT Transportation Asset Management Plan
Does the project address an infrastructure issue that currently requires increased maintenance activity/costs due to poor or dangerous infrastructure conditions?     Does the project propose significant new/expanded transportation assets that will add <u>significant</u> new/ additional maintenance liabilities for NHDOT (e.g., new roadway/bridge construction)?     Are there buried utilities (water, sewer, drainage) in the project area? If so, are any needed upgrades/ maintenance incorporated into the overall project scope? Note: buried utility improvements are typically not Ten Year Plan-eliabile (funded locally).	Resources:         • NHDOT Pavement Condition Index (if current)         • SADES assessment data         • Geotechnical studies/reports         • Information requests from NHDOT offices: District Engineers, Bridge Maintenance Bureau, etc.         • Narrative from applicant         • Utility capacity/condition studies         • Capital Improvements Plans

System in good condition: 2) percentage of pavement on the Interstate System in poor condition; 3) percentage of pavement on the non-Interstate National Highway System (NHS) in good condition; 4) percentage of pavement on the non-Interstate National Highway System (NHS) in good condition; 5) percentage of bridges on the National Highway System (NHS) in good condition; 6) percentage of bridges on the National Highway System (NHS) in good condition; 6) percentage of bridges on the National Highway System (NHS) in poor condition; 6) on the National Highway System (NHS) in poor condition.

vehicles meeting or exceeding their useful life benchmark; 2) percentage of non-revenue service vehicles meeting or exceeding their useful life benchmark; 3) percentage of facilities rated below 3.0 on the Transit Economic Requirements Model (TERM) scale; 4) percentage of track segments with performance restrictions.

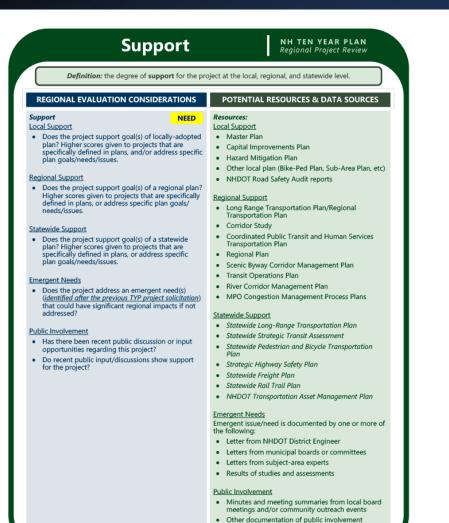
Criterion	Evaluation Focus
Infrastructure Condition	Based on the current condition of the infrastructure being addressed (pavement/bridge condition)
Maintenance Needs	Will the project address a maintenance issue that currently requires increased resources or will it add significant new maintenance liabilities?

### **Relative Importance for Each Project Scale**

Local	Regional	Inter-Regional
Low	Moderate	High

## **Project Support**

The degree to which a project is supported by the MPO, locality, and feasibility of construction



Criterion	Evaluation Focus
Local, Regional, and State Support	What support is there for the project at the local, state, and regional level

Last iteration considered Local Priority, Support for the Project in the LRTP, and whether the need was a "Newly Identified" priority

# **CRITERIA WEIGHTING PROCESS**

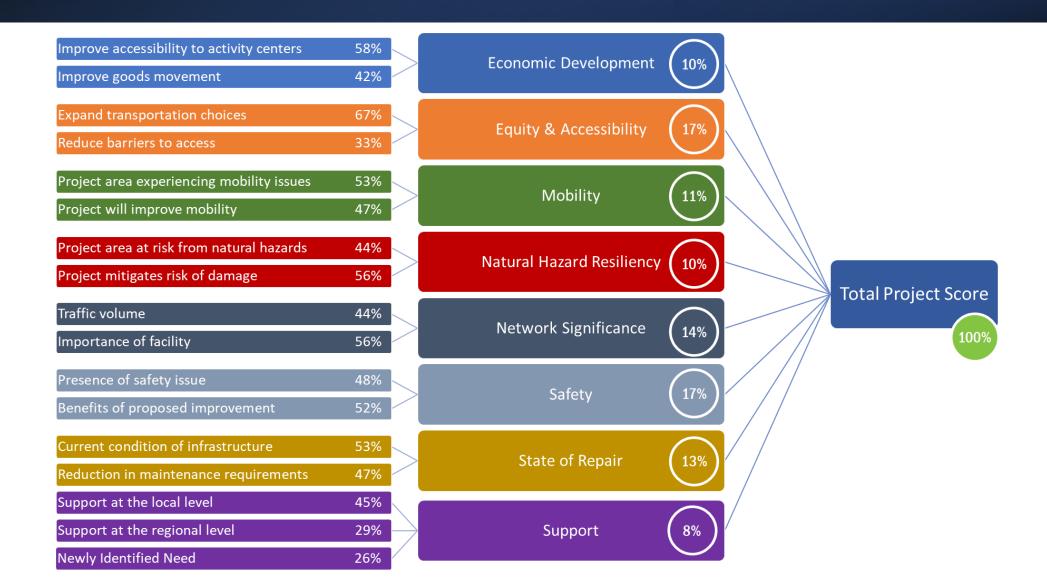
Category	Local	Regional	Inter-Regional
Economic Development	<b>10%</b>	13%	12%
Equity & Accessibility	17%	<u>16</u> %	18%
Mobility	11%	12%	11%
Natural Hazard Resiliency	10%	<u>8</u> %	8%
Network Significance	14%	<u>15</u> %	<u>14</u> %
Safety	17%	16%	17%
State of Repair	13%	<u>13</u> %	10%
Support	<b>8</b> %	7%	10%
	100%	100%	100%

Category	Criterion	Proposed Weight
Economic	Access to Activity Centers	58%
Development	Freight and Goods Movement	42%
Equity & Accessibility	Expanding Transportation Choices	67%
Accessionity	Removing Barriers to Access	33%
Mobility	Project Location Congestion	53%
	Effectiveness of Approach	47%
Natural Hazards	Exposure to Risk	44%
Resiliency	Risk Mitigation Strategy	56%

• Set Category Weights:

- Total of all Categories (Safety, Mobility, etc.) = 100%
- Criterion weights should vary by scale (local, regional, inter-regional) as different aspects are important for each
- Round numbers to whole percentages
- Set Criterion Weights
  - Total within each category = 100%
  - Percentages stay the same across scales

# **SCORING DISTRIBUTION EXAMPLE**



# WEIGHTING PROCESS OPTIONS

When thinking about <b>Regional scale projects</b> , what criteria are most important? Drag
each category into the area that says "Your Top Priority" to start and order from most
important to least. Order can be re-arranged until the confirm button is pushed.

YOUR TOP PRIORITY

Ensuring the efficient and effective operation of the most travelled roadways (Network Significance)

Improving the safety of the transportation system (Safety)

Ensuring that people, regardless of their access to a car or ability to drive, can get where they need to go via the transportation system (Accessibility & Environmental Justice)

Supporting economic development and access to activity centers (Economic Development)

Supporting community, RPC, and state planning and priorities (Support)

Reducing the impacts of exposure to natural hazards risks (Natural Hazards Resiliency)

The **"Economic Development"** category has two criteria. Please rank each in terms of importance from most to least:

YOUR TOP PRIORITY

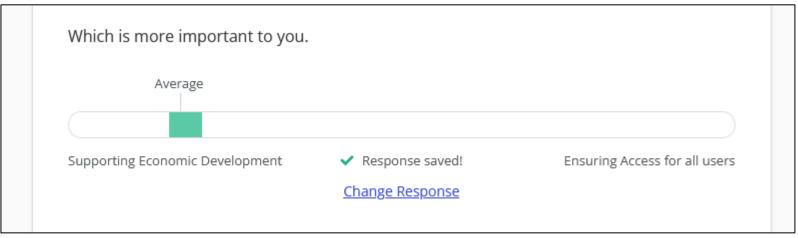
Improving Access to employment and residential hubs, tourism destinations, and other activity centers

Improving freight travel and goods movement

- TAC has set criteria weights the last two iterations of the Ten Year Plan using this methodology
- Rank Categories and Criteria by Scale
- Provides relative priority of each Category
- Provides relative priority for each criterion within the Category.

## MORE DETAILED PAIR-WISE COMPARISON

- Advantage is we get a sense of how much more important one criteria is than another.
- To use this for the 8 Criteria Categories requires 28 paired questions per Scale (Local, Regional, Inter-Regional) = 84 comparison questions.
- Could be used to get a more fine-tuned weighting of the individual criterion within each category



# SIMPLE SPREADSHEET/TABLE

- Each TAC member submits their preferred weight distribution via email
- Average weights of all submittals
- Advantage is that it provides exact priority for each submittal
- Disadvantage is that we can't standardize a response form

Category	Local	Regional	Inter- Regional
Economic Development	%	%	%
Equity & Accessibility	%	%	%
Mobility	%	%	%
Natural Hazard Resiliency	%	%	%
Network Significance	%	%	%
Safety	%	%	%
State of Repair	%	%	%
Support	%	%	%
	100%	100%	100%

# **SUMMARY AND ACTION**

- Use TAC input to set draft Category and Criteria weights
  - If no preference, use same system as previous rounds but substitute the slider bar for the criteria within the categories
- Starting point for discussion at June TAC meeting
- Looking for feedback and general consensus on approach

YOUR	FOP PRIORITY		
and effective operatio	n of the most tr	avelled roadways (Ne	twork
of the transportation sy	vstem (Safety)		
development and acc	ess to activity o	enters (Economic De	velopmen
y, RPC, and state plar	ning and priori	ies (Support)	
of exposure to natura	ıl hazards risks	(Natural Hazards Res	siliency)
	and effective operatio of the transportation sy regardless of their ac ne transportation syste development and acc ty, RPC, and state plar	of the transportation system (Safety) regardless of their access to a car or le transportation system (Accessibility development and access to activity c ly, RPC, and state planning and priorit	and effective operation of the most travelled roadways (Ne

When thinking about **Regional scale projects**, what criteria are most important? Drag

### The **Equity, Environmental Justice, & Accessibility** category has two criteria. Which is more important to you?

slide the circle to the side with the option that is more important. The degree to which you move the circle in that direction is indicative of how much more important that option is compared to the other.

Expanding transportation choice or enhancing alternative modes, particularly for traditionally underserved populations Removing barriers to access (implementing designs that accommodate all users)