APPENDIX D

Active Transportation Corridor Screening Analysis

The CRTPO has updated the Active Transportation Corridors (ATC) screening tool to support the development of the 2055 MTP. In early March 2025, the project team held a workshop with the Bicycle and Pedestrian Work Group (BPWG) to identify a vision for updating the ATC tool initially developed for the 2050 MTP, including a renewed focus on how the tool was used and the values it should reflect. Input from the BPWG was used to identify screening factors that are be incorporated into the tool.

These factors are listed in Table D-1. Using this input, the project team developed a Vision + Values statement that defines each factor and the vision and values that it represents. The Team used the Vision + Values statement to identify the preliminary set of project screening metrics included in this appendix.

BACKGROUND

The CRTPO is updating the Active Transportation Corridors (ATC) screening tool to support the development of the 2055 MTP. In early March, the project team held a workshop with the Bicycle and Pedestrian Work Group (BPWG) to identify a vision for how the tool was used and the values it should reflect. Input from the BPWG was used to identify screening factors that are incorporated into the tool. These factors are listed in **Table D-1.** Using this input, the project team developed a Vision + Values statement that defines each factor and the vision and values that it represents. The team used the Vision + Values statement to identify the preliminary set of project screening metrics included in this appendix.

Table D-1: Pedestrian and Bicyclist Screening Factor

Pedestrian	Bicyclist
Destination Accessibility	**Destination Accessibility**
Path Availability and Connectivity	**Path Availability and Connectivity**
Resources and Priorities	**Resources and Priorities**
Safety Considerations	**Safety Considerations**
Walking Experience	**Bicycling Experience**
Recreation and Health	**Recreation and Health**
State of Good Repair	**State of Good Repair**
ADA Accessibility	**Bicycle Availability and Parking**

HIGH-LEVEL TOOL APPROACH

The ATC screening tool has been designed to evaluate and rank projects using standardized metrics. Each project received a score across multiple metrics, which the tool weights and combines into an overall score. Feedback from the BPWG determined the initial weights in the tool, but users could modify them as necessary.

Since projects may exist in vastly different settings, it may be helpful for the tool to compare only similar projects to each other—for example, the tool could compare suburban bicycle infrastructure projects only against other suburban projects, not urban ones. This approach would eliminate the challenge of defining universal quantitative standards across different environments by establishing relative rankings within comparable groups. Alternatively, setting-specific standards could be developed to enable direct comparison between urban, suburban, exurban, and rural projects.

"STARTER LIST" OF PROJECT SCREENING METRICS

Table D-2 and **Table D-3** show example project screening metrics (PSMs) for pedestrian and bicycle projects, respectively. **These are intended to serve as a starting point for discussion.** For each screening factor, the Consultant Team has identified a few possible PSMs that could quantify that factor's vision and values. They include a mix of quantitative and qualitative measures. Some metrics may be relatively straightforward to implement, while others could require significant data collection efforts or rely on information that may not be readily available. The feasibility of collecting and analyzing data for each metric was evaluated before finalizing any selections. If these or similar metrics move forward, the BPWG and the CRTPO staff would develop simple rubrics to evaluate the qualitative measures and also would assign scores for each metric.

Table D-2: Example Pedestrian Project Screening Metrics

Screening Factor	Example Project Screening Metric	Example Ways to Measure
Destination Accessibility	Population and job density (higher density → higher tool score)	Quantiles or Ranking
Destination Accessibility	Project located in designated Activity Center	Yes/No
Destination Accessibility	Automobile availability (lower availability → higher tool score)	Quantiles or Ranking
Destination Accessibility	Average Walk Score or equivalent for project area (higher score → higher tool score)	Quantiles or Ranking
Destination Accessibility	Percent increase in accessibility to key destinations (higher percent → higher tool score)	Quantiles or Ranking
Destination Accessibility	Transit service frequency (better service frequency → higher score)	Quantiles or Ranking
Destination Accessibility	Potential for short trips based on demand modeling (more potential → higher tool score)	Quantiles or Ranking
Path Availability and Connectivity	The intersection density for the project area (more intersections → higher tool score)	Quantiles or Ranking
Path Availability and Connectivity	Percent improvement in sidewalk coverage or equivalent in the project area (more coverage → higher tool score)	Quantiles or Ranking
Resources and Priorities	Project has been identified in a local or regional planning document as a priority	Yes/No
Resources and Priorities	Project serves historically disadvantaged community	Yes/No
Safety Considerations	Project addresses pedestrian safety in an area with high rates of pedestrian fatalities or serious injuries	Yes/No
Safety Considerations	Project improves pedestrian safety near a K-12 school	Yes/No
Safety Considerations	Project improves pedestrian safety in an area with high rates of public transit use	Yes/No

Table D-2: Example Pedestrian Project Screening Metrics (Continued)

Screening Factor	Example Project Screening Metric	Example Ways to Measure
Walking Experience	Project scores highly on active transportation propensity index	Rubric
Walking Experience	Project reduces pedestrian level-of-traffic stress or provides a traffic-free experience for significant numbers of users	Rubric
Recreation and Health	Project provides a place for recreational activity or improves access to parks or other recreational spaces	Rubric
State of Good Repair	Project brings existing deteriorated pedestrian infrastructure back to a state of good repair or provides opportunities for significant preventive maintenance of pedestrian infrastructure	Rubric
ADA Accessibility	Project remedies an existing set of significant documented ADA deficiencies	Yes/No
ADA Accessibility	Project enhances accessibility beyond minimum ADA compliance, including features such as expanded clear paths, additional rest areas, enhanced wayfinding elements, and consistency with universal design principles.	Rubric

Table D-3: Example Bicycle Project Screening Metrics

Screening Factor	Example Project Screening Metric	Example Ways to Measure
Destination Accessibility	Population and job density (higher density → higher tool score)	Quantiles or Ranking
Destination Accessibility	Project located in designated Activity Center	Yes/No
Destination Accessibility	Automobile availability (lower availability → higher tool score)	Quantiles or Ranking
Destination Accessibility	Average Bike Score or equivalent for project area (higher score → higher tool score)	Quantiles or Ranking
Destination Accessibility	Percent increase in accessibility to key destinations (higher percent → higher tool score	Quantiles or Ranking
Destination Accessibility	Transit service levels (better service level → higher score)	Quantiles or Ranking
Destination Accessibility	Potential for short trips based on demand modeling (more potential → higher tool score)	Quantiles or Ranking
Path Availability and Connectivity	The intersection density for the project area (more intersections → higher tool score)	Quantiles or Ranking
Path Availability and Connectivity	Percent improvement in high-quality bicycle facility mileage in the project area (more coverage → higher tool score)	Quantiles or Ranking
Resources and Priorities	Project has been identified in a local or regional planning document as a priority	Yes/No
Resources and Priorities	Project serves historically disadvantaged community	Yes/No

Vision + Values

VISION AND VALUES FOR PEDESTRIANS

Destination Accessibility

- **Definition:** The ability to access essential destinations such as workplaces, schools, grocery stores, and transit stations and stops by walking.
- **Values:** Having pedestrian access to many destinations creates the freedom to move around quickly, easily, and affordably without needing to use a car.
- **Vision Statement:** We envision a community where essential destinations are located within easy walking distance, making pedestrian travel a practical and accessible choice for everyone.

Path Availability and Connectivity

- **Definition:** The presence and integration of pedestrian infrastructure (sidewalks, shared-use paths, trails, crosswalks) that forms a cohesive network linking essential destinations.
- **Values:** Well-connected pedestrian infrastructure enables shorter, more direct, and more convenient trips as well as improves destination accessibility and the walking experience.
- **Vision Statement:** We envision a community where carefully planned, thoughtfully designed, and well-maintained sidewalks, shared-use paths, trails, and crosswalks create an unbroken pedestrian network linking neighborhoods, businesses, transit hubs, and other destinations.

Resources and Priorities

- **Definition:** The presence of funding, policies, and plans that support and prioritize walking.
- **Values:** Providing the resources necessary to create pedestrian-friendly environments supports the fulfillment of the other vision statements listed in this document.
- **Vision Statement:** We envision a community that prioritizes walking and allocates the resources necessary to realize this priority.

Safety Considerations

- **Definition:** Measures to protect pedestrians from traffic-related danger, crime, environmental hazards, and other risks, including protected infrastructure, traffic calming features, and lighting.
- **Values:** A safe walking environment enables people to walk for recreation and travel without concern for their personal health or safety.
- **Vision Statement:** We envision a community where pedestrian safety is ensured through physical infrastructure, data-driven policies, innovative technology, targeted education, and positive behavior change initiatives.

Walking Experience

- **Definition:** The overall comfort, enjoyment, and usability of the pedestrian environment, including aesthetics, shade, cleanliness, quiet, and other pedestrian-supportive features.
- **Values:** A pleasant walking experience encourages people to walk for recreation and travel and makes communities more livable.
- **Vision Statement:** We envision a community where a pleasant walking experience encourages and facilitates all types of trips.

Recreation and Health

- **Definition:** The role of walking in physical fitness, mental well-being, and access to parks and recreational spaces.
- **Values:** Walkable spaces encourage healthier lifestyles and support public health by making physical activity more accessible and safer for everyone.
- **Vision Statement:** We envision a community where pedestrian infrastructure supports public health by encouraging walking for recreation and travel.

State of Good Repair

- **Definition:** The maintenance and upkeep of sidewalks, shared-use paths, trails, and other pedestrian infrastructure to ensure usability, safety, and comfort.
- **Values:** Properly maintained pedestrian infrastructure supports and encourages walking as a safe and accessible mode of transportation for people of all ages and abilities.
- **Vision Statement:** We envision a community with well-maintained pedestrian infrastructure that creates a safe and accessible walking environment.

ADA Accessibility

- **Definition:** The design and maintenance of pedestrian infrastructure to accommodate individuals with disabilities, including slip-resistant level surfaces, ramps, tactile paving, audible signals, and other elements.
- **Values:** Meeting and, where possible, exceeding ADA regulations and best practices for accessible design enables people of all abilities to move freely and independently within their communities.
- **Vision Statement:** We envision a community with pedestrian infrastructure that is accessible for people of all abilities.

VISION AND VALUES FOR BICYCLISTS

Destination Accessibility

- **Definition:** The ability to access essential destinations such as workplaces, schools, grocery stores, and transit stations and stops by bicycle.
- **Values:** Having pedestrian access to many destinations creates the freedom to move around quickly, easily, and affordably without needing to use a car.
- **Vision Statement:** We envision a community where essential destinations are located within bicycling distance, making bicycle travel a practical and accessible choice for everyone.

Path Availability and Connectivity

- **Definition:** The presence and integration of bicycle infrastructure (bike lanes, shared-use paths, protected cycleways, bicycle boulevards, etc.) that forms a cohesive network linking essential destinations.
- **Values:** Well-connected bicycle infrastructure enables shorter, more direct, and more convenient trips and improves destination accessibility and the bicycling experience.
- **Vision Statement:** We envision a community where carefully planned, thoughtfully designed, and well-maintained bike lanes, shared-use paths and trails create an unbroken bicycle network linking neighborhoods, businesses, transit hubs, and other destinations.

Resources and Priorities

- **Definition:** The presence of funding, policies, and plans that support and prioritize bicycling.
- **Values:** Providing the resources necessary to create bicycle-friendly environments supports the fulfillment of the other vision statements listed in this document.
- **Vision Statement:** We envision a community that prioritizes bicycling and allocates the resources necessary to realize this vision.

Safety Considerations

- **Definition:** Measures to protect bicyclists from traffic-related danger, crime, environmental hazards, and other risks, including protected infrastructure, traffic calming features, and lighting.
- **Values:** A safe bicycling environment enables people to bike for recreation and travel without concern for their personal health or safety.
- **Vision Statement:** physical infrastructure, data-driven policies, innovative technology, targeted education, and positive behavior change initiatives.

Bicycling Experience

- **Definition:** The overall comfort, enjoyment, and usability of the bicycling environment, including aesthetics, shade, cleanliness, quiet, and other bicyclist-supportive features.
- **Values:** A pleasant bicycling experience encourages people to bike for recreation and travel and makes communities more livable.
- **Vision Statement:** We envision a community where a pleasant bicycling experience encourages and facilitates all types of trips.

Recreation and Health

- **Definition:** The role of bicycling in physical fitness, mental well-being, and access to parks and recreational spaces.
- **Values:** Dedicated bicycling infrastructure encourages healthier lifestyles and supports public health by making physical activity more accessible and safer for everyone.
- **Vision Statement:** We envision a community where bicycle infrastructure supports public health by encouraging bicycling for recreation and travel.

State of Good Repair

- **Definition:** The maintenance and upkeep of bike lanes, shared-use paths and trails, roadways, and other bicycle infrastructure to ensure usability, safety, and comfort.
- **Values:** Properly maintained bicycle infrastructure supports and encourages bicycling as a safe and accessible mode of transportation for people of all ages and abilities.
- **Vision Statement:** We envision a community with well-maintained bicycle infrastructure that creates a safe and accessible bicycling environment.

Bicycle Availability and Parking

- **Definition:** Access to a bike through personal ownership or a bike share program and secure parking at essential destinations.
- **Values:** Convenient access to a bike and secure parking encourages bicycling by enabling it as an option and reducing theft risk.
- **Vision Statement:** We envision a community where everyone has access to a bike in some way.