

CDTC Bridge NY Proposed Evaluation Methodology
DRAFT 11-1-2022

Proposed Scoring Criteria

Criterion	Description	Points available
Facility Importance	Computed as a function of AADT and all available detours using the CDTC STEP Model.	40 points
Condition	Scaled from the 1 to 7 Computed Condition Rating; bridges with condition 3 or below receive the full 40 points.	40 points
Merit/Qualitative	Up to five points awarded for each of the following criteria: • Complete Streets • Freight impact • Security/Resiliency • Equity/EJ	20 points
	Total	100 points

Explanation of Scores

Facility Importance – Computed using the STEP Model using the same methodology as was used for the 2022-2027 TIP Update evaluations. Facility benefit is measured in \$/year. For the 2022-2027 TIP Update, local bridges fell within the range of ~\$2 million to ~\$5 million per year. The bridge with the highest facility benefit will receive 40 points, and all other bridges would be scaled to this value.

Condition – Using the 1 to 7 Computed Condition Rating from the most recent inspection report; if unavailable, the General Recommendation will be used instead. Bridges with condition 3 or below receive 40 points, all other bridges are scaled accordingly. See chart on right for example scores.

Condition Rating (1 to 7 scale)	Condition score (out of 40 points)
3.0 or below	40
3.5	35
4.0	30
4.5	25
5.0	20
5.5	15
6.0	10

Merit/Qualitative – Each of the four criteria are scored out of 5 points, for a total of 20 points. Scores defined in the table below.

Merit Category	Description
Complete streets (5 points max)	+5 points for adding new bicycle/pedestrian facility. +2.5 points for preserving existing bicycle/pedestrian facility. 0 points otherwise. -2.5 points if removing an existing bicycle/pedestrian facility.
Freight impact (5 points max)	+1 point awarded for each freight criteria met by bridge project: • Improves a CDTC or NYSDOT identified freight movement issue. • Removes/substantially improves a freight related land-use compatibility, noise, or safety issue. • Located on, or provides access to, the CDTC Freight Priority Network, and provides a travel time and/or reliability benefit(s). • Enhances access to a key freight generator (Ex: Airport, Ports, Major Distribution Centers, Industrial Park/cluster of industrial land uses). • Enhances access to any intermodal freight movement (Ex: air to truck/rail, rail to truck/water, water to rail/truck/air, etc.). -1 point if project is located on, or provides access to, the CDTC Freight Priority Network, and increases travel time and/or decreases reliability. -2 points if Project negatively affects freight movement or safety in an area with a known CDTC or NYSDOT identified freight movement or freight-related safety issue; alternatively, project introduces a specifically freight-related land use incompatibility (e.g., substantial increase to freight traffic load in residential area, introduction of significant freight traffic noise or other significant freight related nuisance).

Merit/Qualitative Scores (cont.):

Merit Category	Description
Security/Resiliency (5 points max)	+1 point for being identified as a critical route in a local, county, or state hazard/security/emergency management or operations plan +1 point for each critical facility within a 1-mile proximity (up to 4 points available): • Hospital • Emergency operations center • Electric substation • Nursing home • School • Shelter • Power generation facility • Wastewater treatment facility • Hazardous materials facility • Freight facility • Public multi-modal transportation facility (Amtrak Station, Greyhound Station, Airport, CDTA transit stop) • Evacuation Route
Equity/EJ (5 points max)	+5 points if project is within or directly connected to an EJ area and has a significant focus on transit, bicycling, walking, or carpool. Significant focus means a dedicated facility is provided, like a sidewalk, trail or cycle track, and/or transit or carpool lanes. +2.5 points if the project is within or directly connected to an EJ area but does not provide a facility as listed above. 0 points otherwise. -2.5 points if project is either A) within or directly connected to an EJ area and is new construction, vehicle capacity improvements, or reconstruction projects which add auto capacity or B) excludes EJ areas and has a primary purpose or significant focus on transit, bicycling, walking, or carpool.