

Sec. 13b-283-1. Definitions

For the purpose of Sections 13b-283-2 through 13b-283-9 shall mean:

(1) "AASHTO" means the American Association of State Highway and Transportation Officials.

(2) "Additional Work" means contract items and/or related services construed or performed as a part of a project which have been specifically requested by the municipality of the railroad and which are determined by the commissioner to be not essential to the repair or replacement of a structure.

(3) "Alternative Analysis" means the consideration of various degrees of structural replacements to ensure the most cost effective means to ensure a safe, reliable and long-term intersection of railroad and highway rights-of-way. Such analysis should also include establishment of at-grade crossings, where allowable, or the removal of a structure where traffic can be reasonably redirected.

(4) "Bridge Replacement" means the complete replacement of the structure including any necessary approach work.

(5) "Coding Guide" means the "Recording and Coding Guide For the Structure Inventory and Appraisal of the Nation's Bridges," dated January, 1979, as may be updated from time to time, prepared by the Federal Highway Administration.

(6) "Commissioner" means the Commissioner of the Connecticut Department of Transportation.

(7) "Condition Rating of Substructure" means the numerical rating of from 0 to 9 applicable to the substructure of a bridge determined in accordance with the criteria set forth in the Coding Guide.

(8) "Condition Rating of Superstructure" means the numerical rating of from 0 to 9 applicable to the condition of the superstructure of a bridge determined in accordance with the criteria set forth in the Coding Guide.

(9) "Construction Contract" means an agreement between the State and a contractor whereby the contractor undertakes to remove or replace, in whole or part, an orphan bridge.

(10) "Deck Condition Rating" means the numerical rating of from 0 to 9 applicable to the condition of the deck of a bridge determined in accordance with the criteria set forth in the Coding Guide.

(11) "Deck Replacement" means the complete replacement of that portion of the superstructure that provides a smooth traveling surface for motor vehicles, including subdecking and wearing surface if any, and includes curbing within the limits of the replacement.

(12) "Department" means the Connecticut Department of Transportation.

(13) "Inventory Rating In Tons" means the numerical rating of from 0 to 20 applicable to the load rating of a span determined in accordance with the single unit inventory rating criteria set forth in the Coding Guide.

(14) "Maintenance" means any interim work done to preserve the bridge's structural elements to ensure its continued safe utilization.

(15) "Municipal Road" means any road accepted, owned and maintained by a municipality and open to traffic.

(16) "Municipality" means any town, city, borough, consolidated town and city,

consolidated town and borough, district or other political subdivision of the State.

(17) “Non-structural Elements” means curbs, sidewalks, lighting, fencing and wearing surface except those wooden deck surfaces generally considered to be structural elements.

(18) “Orphan Bridge” means any bridge which spans a railroad right-of-way not owned by the State that carries a municipal road.

(19) “Physical Conditions” means the physical condition of an orphan bridge based on its structural deficiencies, sufficiency rating and load capacity, all as determined by the Commissioner.

(20) “Priority Listing” as determined by the Commissioner means the listing of bridges which shall be developed considering the following formula and other factors:

$$SR - 2 \left[1 - \frac{(DC + SUB + SUP)}{27} \right] - 4 \left[1 - \frac{(IR)}{20} \right]$$

“SR” means sufficiency rating

“DC” means deck condition rating

“SUB” means condition rating of substructure

“SUP” means condition rating of superstructure

“IR” means inventory rating in tons

Having completed this computation for each structure, the commissioner shall then consider the essentiality, criticality of defect, and load carrying capacity of the structure in establishing its final priority listing. This listing may be modified and updated as necessary.

(21) “Project” means any orphan bridge, superstructure or deck replacement in whole or in part, or bridge removal and/or at-grade crossing construction work initiated by the Department.

(22) “Project Costs” means the costs of a replacement project determined by the Commissioner to be necessary and reasonable in accordance with Section 13b-283-7 of these regulations.

(23) “Railroad” or “Railroad Company” means the railroad company owning the orphan bridge which spans the railroad’s right-of-way.

(24) “Repair” means any initiated project required to return the existing structure to a suitable condition to perform satisfactorily for a substantial period of time or to replace or remove the entire structure.

(25) “Sufficiency Rating” means the sufficiency rating of a span determined in accordance with the criteria set forth in the Coding Guide.

(26) “Structural Integrity” means a physical condition which is equal to or greater than minimum AASHTO standards for town roads and bridges.

(27) “Superstructure Replacement” means the complete replacement of the superstructure including deck, wearing surface, parapets, curbing and sidewalk on the existing abutments, piers and/or bents and also includes replacement of the fencing and guide railing beyond the limits of the superstructure as necessary for an integral system.

Regulations of Connecticut State Agencies

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