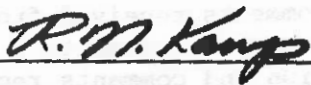


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TO:  <b>MODIFIED BY EI 75-088 EFFECTIVE 12/9/1975</b>	<b>ENGINEERING INSTRUCTION</b> NEW YORK STATE DEPARTMENT OF TRANSPORTATION SUBJECT: Procedure for Establishing the Structurally Deficient Bridge Priority List and Bridge R&P Programs Subject Code: 7.35
Distribution: <input type="checkbox"/> Main Office <input type="checkbox"/> Regions <input checked="" type="checkbox"/> Special	Code: <u>EI-74-98</u>
APPROVED:  	Date: <u>October 21, 1974</u> Supersedes:

PROCEDURE FOR ESTABLISHING THE  
STRUCTURALLY DEFICIENT BRIDGE PRIORITY LIST

- I. The Structures Subdivision prepares a "Preliminary Structurally Deficient Bridge Priority List" based on the latest Bridge Inspection and Condition Reports found on Form TP 172-80 or Form TP 349 and TP 350, and the current AADT taken from the latest Traffic Volume Report, PRO 40126.
- II. The Structures Subdivision sends each Region's portion of the preliminary list to the Regional Structures Engineer for review and comment. The Regional Structures Engineer shall coordinate the review of the Region's Design, Traffic and Safety, Maintenance, Structures and Planning Groups.

Two basic types of information are desired from the Region's reply:

- A. Notice of incorrect information on listing such as:
  - 1. Any error in the data listed to identify the structure.
  - 2. Incorrect AADT. If the Region has more up-to-date information than that shown in the latest Traffic Volume Report, it should be entered with a note as to the source.
  - 3. Weighted Average. The weighted average is based on the latest Bridge Inspection and Condition Report received by the Structures Subdivision. If the Region feels the bridge is in substantially better or worse structural condition than this indicates, they should so state and submit a copy of the latest inspection report to support their position.

The Region should not attempt to make inspections of all the bridges on the list at this time. However, if the Region has reason to believe a specific inspection report is erroneous, a new general inspection should be made.

- B. New information:
  - 1. Proposed plans for the structure. Include Project Number when available.

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2. Maintenance responsibility.
3. Contract Number for bridges recently placed under contract for replacement or reconstruction.

The Region may request to have bridges added to or deleted from the list at this time. These changes must be based on structural condition and must be documented. Any request to add a bridge must be accompanied by a current Bridge Inspection and Condition Report.

- III. The Structures Subdivision issues corrected and revised "Structurally Deficient Bridge Priority List" based on the review and comments received from the Regions. This list is printed in two forms; an overall Statewide priority list, and the same list broken down by Regions. The information and comments received from the Regions will be incorporated into the listings in a compact form.
- IV. A copy of the Preliminary Structurally Deficient Bridge Priority List will be sent to the Director of the Highway Maintenance Subdivision.

Copies of the Structurally Deficient Bridge Priority List, in both forms, will be provided to the Highway Maintenance Subdivision and the Program Planning Section of the Planning Division for their information.

#### PROCEDURE FOR ESTABLISHING

#### BRIDGE R&P PROGRAMS

A major use for the "Structurally Deficient Bridge Priority List" is to help develop the Bridge R&P Programs for the years immediately following the establishment of the list.

- I. The Structures Subdivision will review the Statewide "Structurally Deficient Bridge Priority List" to select bridges, in priority order, which should be candidates for the Bridge R&P Program.

Excluded will be bridges which are already scheduled for work by contract or by maintenance forces, bridges affected by projects in the planning phases, bridges which are not this Department's maintenance responsibility and bridges which are otherwise inappropriate. This list will be of reasonable length and will be divided into Regional lists and sent to the Regions. It will be known as the "Preliminary Draft R&P Program."

- II. A. Each Region will be asked to consider each bridge on its "Preliminary Draft R&P Program" and recommend whether the bridge should be replaced, reconstructed or postponed. The recommendations should be accompanied by sufficient data to substantiate them. In the case of bridge replacement or bridge reconstruction, a Project Proposal and Evaluation Form (Highways), Form TEM 382, and a small map showing the project location should be submitted directly to the Structures Subdivision. In every case, the following data should be given:

1. Basic Bridge Data: Age, length, number and length of spans, width curb-to-curb and out-to-out, type of structure, and number of sidewalks.

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2. Supplementary data on structure, when appropriate, such as:
  - a. Report of any inspection made in connection with this submission.
  - b. Concrete core reports and photographs. (See Appendix A.)
  - c. Condition reports of structural materials other than concrete, if important.
  - d. Hydraulic report (if waterway area is known to be inadequate).
3. Geometric deficiencies and safety aspects.
  - a. Description of horizontal and vertical alignment and width of approach highway.
  - b. Accident record, if any.
4. Traffic and future plans.
  - a. Current traffic; 20-year forecast traffic and, if available, 30-year forecast traffic.
  - b. A statement from Regional Planning on the future plans for the highway.
5. A preliminary scope of work listing and the estimated cost of the proposed work.

If the recommendation is postponement, the Region should indicate the approximate program year for letting the project, the assumed type of work, as well as providing the applicable data noted in 1 through 5 above.

The Region may submit the project initiation, through normal channels, at this time or following step III below.

- B. Should the Regional Office be unable to reach a decision about whether the bridge should be replaced or reconstructed, the data should be submitted without a recommendation. The submission should discuss the lack of a recommendation and the action necessary to provide the information necessary for a determination.
- III. The Structures Subdivision will review the recommendations and either concur with them or discuss them with the Region to resolve questions it has about the recommendation. The Subdivision will assist the Region with bridges for which the Region has not made a recommendation, in order to arrive at a decision.
- IV. In cooperation with the Capital Projects Coordination Bureau, the Structures Subdivision will assist in developing a "Draft R&P Program." This will be based on the recommendations and data submitted by the Regions on the "Preliminary Draft R&P Program" under II above, and the decisions reached under III above.

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The "Draft R&P Program" is composed of projects intended for letting in the second fiscal year following the one in which it is created. It is assumed that a bridge replacement project will take at least one year longer from approval of initiation to PS&E date than a reconstruction project. Depending on the time that the "Draft R&P Program" is established relative to the fiscal year of the Program, it may be necessary to postpone some bridge replacement projects to the following fiscal year.

The Draft Program will be submitted to the Planning Division in order to determine the interrelation of any recommended project to projects that are being considered by this Department or some other agency.

- V. The Draft Program is submitted by the Capital Projects Coordination Bureau to Department Management. Following their approval, it will become the program.

The Regions will then be instructed to initiate any projects which have not already been initiated.

(Appendix A will be issued in the future.)