526 Temporary Structures

526.1 Description

(1) This section describes the design, construction, maintenance, and removal of a temporary structure of the necessary waterway area and of the width specified in a required Temporary Structure contract special provision.

526.2 Materials

(1) Furnish materials conforming to 500. The contractor may incorporate used materials in the structure if they are sound and suitable for the purpose intended.

526.3 Construction

526.3.1 Permits and Coordination

(1) The contractor shall obtain any necessary permits as specified in 107.3 and shall coordinate with the issuing agency in securing the permits and complying with the terms of the permits.

526.3.2 Design

(1) Provide plans, signed and sealed by a professional engineer registered in the state of Wisconsin, for all temporary structures. Submit one copy of plans to place on file. If the engineer requests, submit 2 extra copies of plans for review before ordering materials or starting construction.

(2) Ensure that the temporary structure spans the stream and has dimensions sufficient to not constrict stream flow. Show the minimum bridge length between faces of abutment support on the temporary structure plans. Ensure that the structure has a low superstructure elevation and an open waterway area no less than the contract plans specify. Also ensure that the structure has a roadway width no less than the special provisions specify as measured between the faces of the railings or curbs, and at right angles to the centerline. Provide vertical abutments designed to prevent spilling fill material into the stream. If building a temporary crossing over a stream or lake subject to boating use, construct it to provide horizontal and vertical clearance, as the jurisdictional agency may require, adequate for row boats and small power boats.

(3) Design, construct, and maintain temporary structures conforming to AASHTO LRFD Bridge Construction Specifications, Article 3.5. Design rail and posts according to the WisDOT Bridge Manual, chapter 30.

526.3.3 Temporary Structures

(1) Construct temporary structures conforming to 500. Backfill conforming to 206.3.13 with structure backfill conforming to 210.2.

(2) Inspect temporary structures conforming to the National Bridge Inspection Standards and the department’s structure inspection manual before opening to traffic. Perform additional inspections, as the department’s structure inspection manual requires, based on structure type and time in service. Submit inspection reports on department form DT2007 to the engineer and electronic copies to the department’s bureau of structures maintenance section. Ensure that a department-certified active team leader, listed online in the department's highway structures information system, performs the inspections.

(3) Maintain temporary structures and approaches in place until no longer needed. Unless the engineer directs otherwise, completely remove and dispose of as specified in 203.3.4. Contractor-furnished materials remain the contractor's property upon removal.

526.4 Measurement

(1) The department will measure the Temporary Structure bid items as a single lump sum for each structure acceptably completed.

526.5 Payment

(1) The department will pay for measured quantities at the contract unit price under the following bid items:

<table>
<thead>
<tr>
<th>ITEM NUMBER</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>526.0100</td>
<td>Temporary Structure (station)</td>
<td>LS</td>
</tr>
</tbody>
</table>

(2) Payment for the Temporary Structure bid items is full compensation for providing a temporary structure including design and construction; for backfilling with structure backfill; for maintaining; and for removing when no longer needed.