

INDIANA DEPARTMENT OF TRANSPORTATION

**INTER-DEPARTMENT COMMUNICATION
Standards Section -- Room N642**

November 23, 1998

**DESIGN MEMORANDUM No. 98-09
TECHNICAL ADVISORY**

TO: All Design, Operations, and District Personnel, and Consultants

FROM:

**Richard L. VanCleave
Design Policy Engineer
Technical Services Division**

**SUBJECT: Indiana Department of Environmental Management Section 401 Water Quality
Certifications**

EFFECTIVE: May 18, 1999, Letting

SUPERSEDES: Design Memorandum No. 30

The necessary description information regarding temporary work structures shall be entered in item 4, "Describe proposed project," of the application. For all metric projects, quantities must be shown in metric units, followed by the hard english equivalent in parentheses. An example of the information to be entered is as follows:

This project will have a riprap work causeway approximately 4.5 to 6 m (15 ft to 20 ft) wide with pipes sufficient to carry the low flow discharge of the stream.

The construction of the waterway piers will require the installation of cofferdams.

A temporary runaround will be required. It will be approximately 9 m (30 ft) wide with a 30 m (100 ft) long bridge located on the upstream side of the existing bridge.

The IDEM understands that the specific details required for these structures will be left for the contractor to determine.

RVC:sc