



**INDIANA DEPARTMENT OF TRANSPORTATION
DIVISION OF MATERIALS AND TESTS**

**CERTIFIED PRECAST PRESTRESSED
CONCRETE PRODUCER PROGRAM
ITM No. 814-20**

1.0 SCOPE.

- 1.1 This procedure covers the requirements for a precast prestressed concrete plant to become a Department Certified Precast Prestressed Concrete Producer for precast prestressed concrete structural members.
- 1.2 All precast prestressed concrete structural members are required to be in accordance with the Department Standard Specifications.
- 1.3 The fabrication facility shall have a PCI B3 certification to fabricate a precast prestressed concrete structural member with straight-strands. The fabrication facility shall have a PCI B4 certification to fabricate a precast prestressed concrete structural member with deflected-strands.
- 1.4 This procedure may involve hazardous materials, operations, and equipment and may not address all of the safety problems associated with the use of the test method. The user of this ITM is responsible for establishing the appropriate safety and health practices and determining the applicability of regulatory limitations prior to use.

2.0 TERMINOLOGY. Definitions for terms and abbreviations shall be in accordance with the Department's Standard Specifications Section 101 and the following:

- 2.1 Addenda. Any addition or deletion to the plant-specific PCI Quality Systems Manual.
- 2.2 Approved Lists. A compilation of lists identified in the Department Standard Specifications that require products, sources, equipment or other specified items to be approved and on a list prior to consideration for use on a Department contract.
- 2.3 Audit. An inspection conducted by an independent party selected by PCI that verifies compliance with PCI Plant Certification program.
- 2.4 Certified Precast Prestressed Concrete Producer. A precast prestressed concrete structural producer certified by PCI, and in accordance with the Program.
- 2.5 Management Representative. Person responsible for maintaining the requirements of the Program and liaison with the Department.

- 2.6 PCI. Precast/Prestressed Concrete Institute.
 - 2.7 Program. ITM 814.
 - 2.8 Quality Assurance. All those planned and systematic actions necessary to provide confidence that a product or facility will perform satisfactorily in service.
 - 2.9 Quality Control. The system used by a contractor to monitor, assess and adjust their production or placement process to ensure the final product will meet the specified level of quality.
 - 2.10 Quality Systems Manual/Quality Control Manual. The plant-specific guidelines that indicate the production, policies, and procedures used by the plant.
- 3.0 SIGNIFICANCE AND USE.** The Certified Precast Prestressed Concrete Producer Program is a program whereby the Producer takes responsibility for the production of precast prestressed concrete structural members in accordance with contract requirements and the quality control procedures. The Department will conduct quality assurance for acceptance and monitor the Producer's quality control procedures.
- 4.0 QUALITY CONTROL PLAN.** Each Producer providing precast prestressed concrete structural members under the Program shall have a written Quality Systems Manual or Quality Control Manual that shall be plant-specific and be the basis of control. The manual shall contain, but not be limited to, the methods of production and quality control policies and procedures used by the plant. The manual shall be in accordance with the PCI Plant Certification requirements.
- 5.0 CERTIFICATION.**
- 5.1 Each plant requesting to become a Certified Precast Prestressed Concrete Producer shall do so in writing to the State Materials Engineer, Division of Materials and Tests. The request shall include verification of certification issued by the PCI, a copy of the most recent audit conducted in accordance with the PCI certification programs, a copy of the response to non-conformances of the audit, if applicable, a copy of the plant-specific Quality Systems Manual or Quality Control Manual, and the designated Management Representative for the plant.
 - 5.2 Each Precast Prestressed Concrete Producer meeting the requirements of the Program will be certified upon verification of the required documents of 5.1.
 - 5.3 Each Certified Precast Prestressed Concrete Producer is required to submit to the Division of Materials and Tests a copy of the audits and the response to non-conformances of the audits, if applicable, to verify compliance with the PCI Plant Certification program. Also, any addenda to the plant-specific Quality

Systems Manual or Quality Control Manual are required to be submitted.

- 5.4 Maintaining Approval.** New audit documents shall be submitted within 16 months of the last audit date shown on the list of Certified Precast Prestressed Concrete Producers. Audit documents shall be submitted within 60 days of the date of an audit.
- 5.5 Removal from Approval List.** A source will be removed from the approved list for the following, but not limited to, reasons:
- 5.5.1** If audit documents are not submitted within 16 months of the last audit date shown on the list of Certified Precast Prestressed Concrete Producers or within 60 days from the date an audit is performed, the plant will be removed from the approved list for a minimum of 12 months.
- 5.5.2** If the plant fails to successfully pass an audit or the plant demonstrates poor audit performance as determined by the Department, the plant will be removed from the approved list for a minimum of 24 months.
- 5.5.3** After the minimum removal period, the producer can apply to have the plant reinstated into the program. Reinstatement is subject to review and compliance with section 5.1.
- 5.6 Notification of Changes.** In the event of a change in ownership of the Certified Precast Prestressed Concrete Producer, the certification shall expire on the date of such change. The new ownership may avoid expiration by submitting a statement to the Division of Materials and Tests indicating recognition of the details of the Program and verification that the plant is in accordance with the PCI Plant Certification program requirements.
- 6.0 DEPARTMENT RESPONSIBILITIES.**
- 6.1** The Department may conduct inspections on a random basis of each Certified Precast Prestressed Producer.
- 6.2** The Department will maintain the list of Certified Precast Prestressed Concrete Producers.
- 6.3** The removal of a plant from the Department's list of Certified Precast Prestressed Concrete Producers will be the responsibility of the Director, Division of Materials and Tests. The Producer shall have the right to appeal the removal from the Department's list of Certified Precast Prestressed Concrete Producers to the Chief Engineer of Construction.