

## **511 Concrete Pumping Contractors Quality Management Plan**

### **511.1 Introduction**

The purpose of the Quality Management Plan for Concrete Pumping Contractors (CPC) is to establish the procedures for becoming pre-qualified as a concrete pumping Contractor. The Management Plan is to assure Utah Department of Transportation (UDOT) that the quality of concrete on UDOT projects is not compromised by the equipment and/or operators involved in the conveying process. Only pre-qualified CPC's will be accepted on UDOT projects.

### **511.2 Pre-qualifications for Concrete Pumping Contractors**

Applicants shall submit a letter to the Concrete/Steel Engineer requesting designation as a pre-qualified CPC. The letter shall include the following:

- A. A request that the CPC be pre-qualified by UDOT Central Materials.
- B. The Name and Signature of the CPC's representative having legal authority to bind the company.
- C. A statement that the CPC agrees to:
  - 1. Submit proof that operators of the concrete pumping equipment are certified in accordance with the requirements of the Concrete Pump Operators Certification Program sponsored by the American Concrete Pumping Association (ACPA).
  - 2. Submit proof that concrete pumping equipment is inspected and certified in accordance with guidelines and requirements of ACPA and/or the equipment manufacturer's certification program.
  - 3. Make available to the Concrete/Steel Engineer, or representative, all records required by this document when requested.

Send all documentation and correspondence to the address listed below.

**UDOT Central Materials  
Concrete/Steel  
4501 South 2700 West  
Salt Lake City, Utah 84114  
Phone Number: 1-801-965-3814  
Fax: 1-801-965-3843**

### **511.3 Concrete Pumping Pre-qualification Program**

Acceptance as a Pre-qualified CPC:

Description: A pre-qualified CPC will adhere to the requirements set forth in section 511.3 of this document. Failure to meet these minimum requirements will result in the suspension of the pre-qualification status of the CPC. The CPC may be reinstated as a qualified CPC after a mandatory review of the CPC's processes.

CPC Safety Procedures and Policies:

Make available a Safety Policy and Procedures Manual to all pertinent company personnel (operators and administrators). Include in the Manual a document detailing the requirements and procedures for the certification of equipment and personnel. Provide adequate training to familiarize all personnel with the operating and safety procedures. Document training provided to each operator. Submit a copy of the Manual to UDOT.

#### Operator Certification Requirements:

All personnel engaged in the operation of concrete pumping equipment on UDOT projects must be certified through the ACPA Concrete Pump Operators Certification Program.

Submit to UDOT and maintain a list of all pump operators and their current certification status. Pump operators must provide proof of certification such as an ACPA-issued card or other documentation to field inspectors on all UDOT jobs.

#### Equipment Certification Requirements:

Maintain certifications of all concrete-pumping equipment in accordance with the ACPA and manufacturers' guidelines.

Any broken or malfunctioning equipment must be removed from service immediately and replaced with new or repaired/re-certified equipment.

The CPC conducts **semi-annual** inspections of all concrete pumps and peripheral equipment (boom inspections are conducted annually) and document compliance with ACPA and manufacturers' certification guidelines. Documentation of these inspections will be made available to UDOT Central Materials upon request.

#### Required Records:

Notation on inspection checklist documenting each piece of certified equipment and their corresponding certification dates.

Any deficiencies in the inspection checklist shall be accompanied by documentation verifying the efforts incorporated to bring the equipment into compliance, and the corresponding dates of compliance.

Qualified equipment will be issued a UDOT sticker which must be displayed on the equipment in a location visible to the inspector.

#### 511.4 UDOT QA Section Inspector Guidelines:

**Pre-qualification Inspection:** The UDOT Concrete Section inspector will make an inspection visit at the request of the CPC. At that time the inspector will check the CPC's records in accordance with the requirements of this document. Upon completion of the inspection the Concrete/Steel Engineer will determine one of the following actions:

**Certification** as a pre-qualified CPC.

**Non-Compliance** as a pre-qualified CPC. The inspector will submit a written report to the CPC outlining all deficiencies observed during the inspection process. The CPC is required to address all deficiencies noted in the report, at which time the CPC may request another pre-qualification inspection. Notification of acceptance as a CPC will be made in writing by the Concrete/Steel Engineer.

Maintenance of Pre-qualification Status: The Concrete Engineer/inspector will make a minimum of one inspection visit per year. At that time the inspector will check the CPC's records and operations in accordance with the requirements of this document. At the discretion of the Concrete Engineer, required documentation may be submitted and reviewed annually in place of an annual visit. Upon completion of the inspection/records review the Concrete/Steel Engineer will recommend Certification or Non-Compliance status as outlined in Section 511.4 of this document.

