

**SECTION 01 45 23
TESTING LABORATORY SERVICES**

PART 1 - GENERAL

1.01 SCOPE:

- A. The Owner will employ and pay for the services of an independent testing laboratory to perform specified testing. The testing laboratory shall be named by the Architect.
 - 1. Contractor shall cooperate with laboratory to facilitate the execution of its required services.
 - 2. The Contractor shall be fully responsible for seeing that all materials meet the Project requirements. Failure of the Architect or testing laboratory to detect defective work, workmanship, or materials shall in no way prevent rejection and the Contractor taking approved corrective action when such defects are discovered. The Architect shall not be obligated to make final acceptance.

1.02 LABORATORY DUTIES:

- A. Cooperate with Architect and Contractor; provide qualified personnel.
- B. Perform specified inspections, sampling and testing of materials and methods of construction. Comply with specified standards and ascertain compliance of materials with requirements of Contract Documents.
- C. Promptly notify Architect and Contractor of observed irregularities or deficiencies of the Work or products.
 - 1. Promptly submit written report of each test and inspection; one copy each to the Architect, Owner, Contractor, and one copy to Record Documents file. Each report shall, at a minimum, include:
 - a. Date issued.
 - b. Project title and number.
 - c. Testing laboratory name, address and telephone number.
 - d. Name and signature of laboratory inspector.
 - e. Date and time of sampling or inspection.
 - f. Record of temperature and weather conditions.
 - g. Date of test.
 - h. Identification of product and specification section.
 - i. Location of sample or test in the Project.
 - j. Type of inspection or test.
 - k. Results of tests and compliance with Contract Documents.
 - l. Interpretations of test results.
 - 2. Perform additional tests as required by the Architect or the Owner.

1.03 LIMITATIONS OF AUTHORITY OF TESTING LABORATORY:

- A. Laboratory is not authorized to:
 - 1. Release, revoke, alter or enlarge on requirements of the Contract Documents.
 - 2. Approve or accept any portion of the Work.
 - 3. Perform any duties of the Contractor.
 - 4. Give instruction to the Contractor's workman in the field. All contact shall be with the Architect (or his representative) and the Contractor's Project Manager.

1.04 CONTRACTOR'S RESPONSIBILITIES:

- A. Cooperate with laboratory personnel, provide access to Work, to manufacturer's operations.
- B. Secure and deliver to the laboratory, adequate quantities of representational samples of materials proposed to be used and which require testing.
- C. Provide to the laboratory the preliminary design mix proposed to be used for concrete, and other materials mixes which require control by the testing laboratory.
- D. Furnish copies of products test reports as required.
- E. Furnish incidental labor and facilities:
 - 1. To provide access to Work to be tested.
 - 2. To obtain and handle samples at the Project site or at the source of the project to be tested.
 - 3. To facilitate inspections and tests.
 - 4. For storage and curing of test samples.
- F. Notify laboratory sufficiently in advance of operations to allow for laboratory assignment of personnel and scheduling of tests. When tests or inspections cannot be performed after such notice, reimburse Owner for laboratory personnel and travel expenses incurred due to Contractor's negligence.
- G. The Contractor may for his own convenience, employ and pay for a separate, equally qualified independent testing laboratory to perform additional inspections, sampling and testing. This shall be done with the understanding that:
 - 1. The additional testing shall be accomplished in accordance with the General Conditions;
 - 2. That the finds of such additional inspections, samplings, and testing shall in no way be finding upon the Owner and the Architect;
 - 3. That any such additional inspections, samplings and testing shall be performed at no additional cost to the Owner.

PART 2 - PRODUCTS

NOT APPLICABLE

PART 3 - EXECUTION

NOT APPLICABLE

- END OF SECTION -