

**1. GENERAL**

**1.1 Section Includes**

- .1 Inspection and testing, administrative and enforcement requirements
- .2 Tests and mix designs
- .3 Mock ups
- .4 Mill tests
- .5 Equipment and system adjust and balance

**1.2 Related Sections**

- .1 Submittal Procedures                      Section 01 33 00
- .2 Closeout Submittals                      Section 01 78 00

**1.3 Inspection**

- .1 Allow Contract Administrator access to Work. If part of Work is in preparation at locations other than Place of Work, allow access to such Work whenever it is in progress.
- .2 Give timely notice requesting inspection if Work is designated for special tests, inspections, or approvals by Contract Administrator instructions, or law of Place of Work.
- .3 If Contractor covers or permits to be covered Work that has been designated for special tests, inspections or approvals before such test is made, uncover such Work, have inspections or tests satisfactorily completed and make good such work.
- .4 Contract Administrator may order any part of Work to be examined if Work is suspected to not be in accordance with Contract Documents. Correct such Work and pay cost of examination and correction. If such Work is found in accordance with Contract Documents, City shall pay cost of examination and replacement.

**1.4 Independent Inspection Agencies**

- .1 Independent Inspection/Testing Agencies shall be engaged by the Contractor for purpose of inspecting and/or testing portions of Work. Cost of such services will be paid for through the testing cash allowance.
- .2 Employment of inspection/testing agencies does not relax responsibility to perform Work in accordance with Contract Documents.
- .3 If defects are revealed during inspection and/or testing, appointed agency will request additional inspection and/or testing to ascertain full degree of defect. Correct defect and irregularities as advised by Contract Administrator at no cost to the City. Contractor to pay costs for retesting and re-inspection.

**1.5 Access to Work**

- .1 Allow inspection/testing agencies access to Work, off-site manufacturing and fabrication plants.
- .2 Cooperate to provide reasonable facilities for such access.

## **1.6 Procedures**

- .1 Notify appropriate agency and Contract Administrator in advance of requirement for tests, in order that attendance arrangements can be made.
- .2 Submit samples and/or materials required for testing, as specifically requested in specifications. Submit with reasonable promptness and in an orderly sequence so as not to cause delay in Work.
- .3 Provide labour and facilities to obtain and handle samples and materials on site. Provide sufficient space to store and cure test samples.

## **1.7 Rejected Work**

- .1 Remove defective Work, whether result of poor workmanship, use of defective products or damage and whether incorporated in Work or not, which has been rejected by Contract Administrator as failing to conform to Contract Documents. Replace or re-execute in accordance with Contract Documents.
- .2 Make good other contractor's Work damaged by such removals or replacements promptly.
- .3 If in the opinion of Contract Administrator it is not expedient to correct defective Work or Work not performed in accordance with Contract Documents, the City may deduct from the Contract Price difference in value between Work performed and that called for by Contract Documents, amount of which shall be determined by Contract Administrator.

## **1.8 Reports**

- .1 Submit 2 copies of inspection and test reports to Contract Administrator.
- .2 Provide copies to Sub-trade of Work being inspected or tested or manufacturer or fabricator of material being inspected or tested.

## **1.9 Tests and Mix Designs**

- .1 Furnish test results and mix designs as may be requested.
- .2 The cost of test and mix designs beyond those called for in Contract Documents or beyond those required by law of Place of Work shall be appraised by Contract Administrator and may be authorized as recoverable.

## **1.10 Mock-ups**

- .1 Prepare mock-ups for Work specifically requested in specifications. Include for Work of all Sections required to provide mock-ups.
- .2 Prepare mock-ups for Contract Administrator's review with reasonable promptness and in an orderly sequence, so as not to cause any delay in Work.
- .3 Failure to prepare mock-ups in ample time is not considered sufficient reason for an extension of Contract Time and no claim for extension by reason of such default will be allowed.
- .4 If requested, Contract Administrator will assist in preparing a schedule fixing dates for preparation.
- .5 Remove mock-up at conclusion of Work or when acceptable to Contract Administrator.
- .6 Mock-ups may remain as part of Work as approved by Contract Administrator.

## **1.11 Mill Tests**

.1 Submit mill test certificates as required of specification Sections.

**2. PRODUCTS**

2.1 Not used

.1 Not used

**3. EXECUTION**

3.1 Not used

.1 Not used

**END OF SECTION**