

**Part 1            General**

**1.1                SUMMARY**

- .1        Slab soffit areas, beams, columns, and walls exhibiting extensive spalling and/or delamination requiring localized removal of loose concrete.

**1.2                REFERENCES**

- .1        International Concrete Repair Institute
  - .1        Guideline No. 03735, Guide for Methods of Measurement and Contract Types of Concrete Repair Work.

**1.3                MEASUREMENT PROCEDURES**

- .1        The areas of repair will be identified and quantified via hammer soundings by the Contract Administrator in the presence of and with the assistance of the Contractor. The areas will then be measured and agreed upon by the Contractor and Contract Administrator prior to commencement of Work.
- .2        Unit prices must include all supervision, labour and materials, and equipment.
- .3        The unit price submitted will apply to removal depths of up to 6 inches and at no point less than that required to obtain a sound substrate.
- .4        The minimum area of payment will be one 1.0 square foot.
- .5        The Contractor is to note that if he increases the area of the repair over that originally measured of his own accord and without consultation with the Contract Administrator, he will not be paid for the increased area.

**Part 2            PRODUCTS**

**2.1                NOT USED**

- .1        Not Used

**Part 3            EXECUTION**

**3.1                CONCRETE DELAMINATION REMOVAL**

- .1        Protect surrounding areas to prevent damage to surface finishes and vehicles.
- .2        The perimeter of the areas designed for removal will be marked by the Contract Administrator.
- .3        All loose concrete must be removed down to a sound substrate using hand tools or a maximum 15 lb. electric chipping hammer.
- .4        Chisel-type blades are to be used for removal only. Do not use pointed chisels for removal.

- .5 Do not operate hammers or mechanical chipping tools at an angle in excess of 45° measured from the surface of the slab.
- .6 Hammer sound the areas to determine if any further unsound or delaminated concrete is present, which must be removed.
- .7 After all delaminated, unsound, or loose material is removed from the slab surface, the Contractor shall request an inspection from the Contract Administrator. This inspection is to be done in the presence of the Contractor and if any further work is required, the Contractor is to complete it immediately. The purpose of this inspection is to provide assurance to the Contract Administrator that all loose material has been removed and the substrate is sound.

**3.2 CLEANING**

- .1 Removal rubble resulting from concrete removal at the end of each day.
- .2 Ensure building surfaces affected by the work are clean and free of dust, dirt, and debris at the end of each working day.

**END OF SECTION**