



## **ACI 362 - PARKING STRUCTURES**

### **Outline for Possible Rehabilitation Document**

- 1. Condition Appraisal Report (See ACI 362.2 Section 2.4)**
  - 1.1 Review of construction documents, if available**
    - a. Determine design criteria**
    - b. Compare design criteria to ACI 362.1 (Guide for the Design of Durable Parking Structures)**
  - 1.2 Visual survey - Cracking, scaling, spalling, leaking, joint deterioration, other**
  - 1.3 Delamination survey**
  - 1.4 Testing - Compare to design criteria**
    - a. Strength**
    - b. Air content - Linear traverse**
    - c. Petrographic - Aggregate, mortar quality**
    - d. Chloride ion**
    - e. Half cell**
    - f. Cover**
    - g. Carbonation**
- 2. Repair Design**
  - 2.1 Review appraisal data - set life cycle goals**
    - a. Compare design criteria to ACI 362.1 (Guide for the Design of Durable Parking Structures)**
  - 2.2 Determine required repairs**
  - 2.3 Detail/specify repairs**
- 3. Types of Construction Contracts - Bidding, Negotiation, Other**
- 4. Construction - Inspection, Observation, Supervision**
- 5. Preventive Maintenance - Future Repairs**