ACI 362.2 – Revision/Update
Guide for Structural Maintenance of Parking Structures

Chapter 1—Introduction (D’Arcy)
Add text regarding responsibility for maintenance (D’Arcy)

Chapter 2—Developing a maintenance program (Wagner)
2.1—The project maintenance manual
2.2—Periodic inspections
2.3—Preventive maintenance
2.4—Conditional appraisals

Chapter 3—Deterioration problems associated with parking structures (Pulver)
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3.1.1—Scaling
3.1.2—Corrosion
3.1.3—Delaminations
3.1.4—Spalling
3.1.5—Cracking
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3.1.7—Leaching
3.2—Sealants and waterproofing
3.2.1—Contraction and construction joint sealants
3.2.2—Seals for isolation joints and expansion joints
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3.3—Elastomeric, traffic-bearing membranes
3.4—Asphaltic overlay membrane systems
3.5—Plaza subsurface membrane systems
3.6—Exposed metals

Chapter 3—Protection systems (Pulver)
3.1—Contraction and construction joint sealants
3.2—Seals for isolation joints and expansion joints
3.3—Concrete sealers
3.4—Elastomeric, traffic-bearing membranes
3.5—Asphaltic overlay membrane systems
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Chapter 4—General maintenance considerations (Downs)
4.1—Housekeeping and cleaning requirements
4.2—Drains and drainage (Nehil)
4.3—Snow removal and ice control
4.4—Other operational maintenance
4.5—Aesthetic-related maintenance
4.6—Precast/prestressed concrete
4.7—Post-tensioned concrete
4.8—Cast-in-place, conventionally reinforced-concrete structures
4.9—Hybrid structures (Nehil)

Chapter 5—Developing a maintenance program (Wagner/D’Arcy)

5.2.1—The project maintenance manual
5.2.2—Periodic inspections
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5.5 Table of maintenance tasks and frequencies

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   a. Sealants and waterproofing
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Chapter 7—References
7.1—Referenced standards and reports
7.2—Cited references

Appendix A—Snow removal (Downs)

Appendix B—Deicing procedures (Downs)

Appendix C—Checklist for structural inspection of parking structures (Wagner)