

SINGLE SOURCE SOLUTION FOR YOUR PARKING GARAGE

ENGINEERING + RESTORATION + PREVENTIVE MAINTENANCE + TRAINING



WE LISTEN

We pay close attention to what matters to you, your organization, and the overall health of the garage and safety of your garage patrons.

WE SIMPLIFY

With our full-service team of engineers, project managers, and field technicians, we simplify and streamline the implementation of garage repair and preventive maintenance solutions.

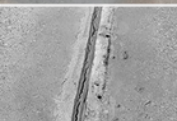
WE ENABLE

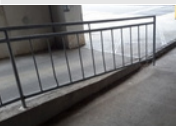
We will recommend cost-effective, long-term solutions that are right for you and your organization.

Repair	StructureCare™ Comprehensive Service	Engineering Consultant	Owner/Property Manager	Trade Contractor
Evaluate Need <i>Initial consultation</i>	✓	✓		
Initial Assessment of General Condition <i>Walk through review – notable observations</i>	✓	✓ \$		
Recommendation for Process <i>Based on age, usage, and conditions</i>	✓	✓ \$		
Formal/Informal Inspection <i>In-depth evaluation with focus on underlying causes</i>	✓	✓ \$		
Repair Analysis <i>Incidental to evaluation process</i>	✓	✓ \$		
Specification Development <i>Incidental to evaluation process</i>	✓			
Repair Management <i>Managed by engineering team</i>	✓			✓ \$
Repair Implementation <i>Field Technicians directed by engineering team</i>	✓		✓ \$	
Repair Follow-up	✓	✓ \$		✓ \$
Repair Accountability	✓			
PREVENTION & SUPPORT				
Technical Support <i>Facilitate improvements and problem solving</i>	✓	✓ \$		
Training <i>Education to support owner/property management</i>	✓			
Preventive Maintenance Services <i>Chloride wash downs, routine repairs and treatments</i>	✓			✓ \$
Safety Audits <i>Reduce hazards and risk</i>	✓	✓ \$		
Periodic Technical Support <i>Education, awareness, PM service reminders</i>	✓	✓		
Leak Survey <i>Facilitates less costly interim repair, as needed</i>	✓			
Periodic Inspections <i>Identify developing conditions early</i>	✓			

OUR PHILOSOPHY IS UNIQUE in that we believe in a strong connection between the engineering and implementation of a solution, particularly if there is interest in long term results. The singular ability, under one roof, to problem solve, engineer, and implement a solution is what StructureCare delivers to our clients. This includes an emergency repair, a restoration issue, or a preventive maintenance plan. StructureCare works with you to develop real solutions. The traditional Design-Bid-Build business model has an incomplete accountability ownership often resulting in unmet expectations.

COMMON CONDITIONS OF DETERIORATION

	OBSERVATION	POTENTIAL CONSEQUENCE OF DEFERRAL
	Concrete delamination	Water infiltration, structural corrosion, falling debris and tripping hazard
	Rusting steel	Failure of steel and its structural functionality
	Deterioration of bearing pad	Creates direct contact with the precast at the bearing causing possible spalling of concrete
	Overhead bearing pad movement	If pads slip out of point of bearing, direct pressure will cause possible concrete spalling
	Failure of wing seal expansion joint nosing	Nosing failures ultimately lead to torn or permanent damage to expansion joints, requiring full replacement
	Exterior concrete spalling overhead	Spalling concrete overhead could lead to a falling debris hazard, and deterioration of reinforcing steel could lead to structural deterioration and impact long-term durability
	Rusting/corrosion of railings observed	Continued degradation of railing causing sharp particles to flake and eventual failure of system if left unchecked. Fall hazard
	Cracked and spalling concrete at ground level on ramp	Spalling concrete, and hazard development
	Ponding of water/water leakage in pipes	Tripping/slipping hazard (in freezing temperatures). Housekeeping hazard
	Spalling/cracking in double tree leg	Structural failure of tee
	Worn and damaged membrane coating	Water and deicing migration below coating and into concrete slab and corrosion of embedded structural connections, entrapment of moisture, and accelerated deterioration
	Overhead structural deterioration – cracked, spalling and delaminated concrete	Near term hazardous conditions with a significant potential for falling debris, progressive structural deterioration which will ultimately affect the capacity and durability of the structural elements
	Spalling on concrete stair treads	Water infiltration, structural corrosion and trip hazard

	OBSERVATION	POTENTIAL CONSEQUENCE OF DEFERRAL
	Spalling concrete around railing embedments	<i>Eventual failure of system if left unchecked. Fall hazard</i>
	Scaling/delamination at stair landing	<i>Delaminations will continue to spread along with rusting of steel (presently evident in pictures above). A tripping hazard is also present here</i>
	Failed cable barrier strands	<i>Failed barrier cable unable to perform as designed. Potential for vehicles and personnel to fall through</i>
	Spalling concrete at columns and walls	<i>Falling debris hazard from loose concrete, structural deterioration of load bearing members which will ultimately affect the long-term durability of the structure</i>
	Exposed rebar and delamination	<i>Overhead hazard from falling debris, possible deterioration due to water exposure, and structural deterioration</i>
	Rust of metal pan for drainage or original construction	<i>Leaking of water and possible falling debris and tripping hazard</i>
	Failed joint sealants	<i>Water infiltration, structural corrosion and tripping hazard</i>
	Spalling concrete at floor tee joints	<i>Connection and reinforcing corrosion, connection failure and reinforcing deterioration in structural members, increased safety risk from falling debris and trip hazard</i>
	Failure of connection	<i>Excess movements in precast leading to possible structural failures</i>
	Failure of expansion joint shear transfer hardware	<i>Compromised structural integrity of expansion joint and hazardous falling debris</i>
	Cracking in precast	<i>Water infiltration causing delamination of concrete and potential blowouts</i>
	Deterioration present in girder	<i>Structural failure of component if left unchecked</i>

