# Market Street Parking Garage Condition Assessment Report



SEPTEMBER 2021 | FINAL

Prepared By:

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Prepared For:

City of Charlottesville, Virginia 305 4th Street NW Charlottesville, VA 22902





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# **EXECUTIVE SUMMARY**

At the request of the City of Charlottesville, Virginia, Kimley-Horn and Associates, Inc., completed a limited condition assessment of the Market Street Parking Garage as part of an agreement dated May 25, 2021. The purpose of this assessment was to observe the general condition of the parking facility, identify deficient items, and provide repair recommendations with budgetary construction cost estimates in an effort to preserve the Client's capital assets and prolong the life span of the parking deck.

The Market Street Parking Garage in Charlottesville, VA is four and a half (4.5) levels (one at-grade and three and a half elevated) and consists of a cast-in-place post tensioned concrete structural system. The facility provides 649 total parking spaces for employees and visitors to downtown. All four sides of the building are clad in a slatted precast façade and masonry brick, allowing for natural light and ventilation.

Kimley-Horn performed a limited condition assessment of the deck's readily accessible and visible elements which we have categorized as: Structural, Waterproofing, Operational, Systems, and Aesthetic. Destructive testing was not performed as part of our evaluation. Enclosed areas or otherwise inaccessible spaces were not observed. Our assessment included the following:

- Reviewing available, disclosed parking deck reports and plans
- Conducting a walk-through, nonintrusive, nondestructive, visual assessment of the readily accessible components and building systems
- Performing limited concrete soundings (chain drag and hammer soundings)
- Photographic documentation of representative conditions
- · Recording field notes

In general, the condition assessment identified conditions common among parking structures of similar age and construction type in this region. No immediate life-safety issues were observed. Overall, the parking deck appeared to be performing well but does have some deficiencies that need to be addressed to prevent further deterioration. This resulted in an overall performance rating of 'Fair'. The details of these findings are discussed further in the main body of this report, with Key Findings specifically noted for the following elements: concrete deficiencies at Levels 3 & 4; parapet corner spalls.

The below table summarizes the Opinion of Probable Costs (OPC) for each priority, which includes the hard construction costs for repairs as well as allowances for soft costs (design fees, testing fees, escalation, and owner's contingency). This OPC is presented to assist the Client with developing a general order-of-magnitude cost for budgetary purposes. See Appendix B for the complete OPC for each recommended repair item.

	Priority 1	Priority 2	Priority 3
Cost	\$650,000	\$270,000	\$320,000



# INTRODUCTION

### SCOPE OF WORK

The objective of this report is to provide the City of Charlottesville ("City" or "Client") with a condition assessment to document the general condition of the facility, identify well-performing and deficient items, and provide our professional opinion on recommended repairs with budgetary construction cost estimates in an effort to maintain the service life of the parking facility as originally designed. This report contains a general description, element ratings, findings, and recommendations of the conditions observed by Kimley-Horn and Associates, Inc.

Available, disclosed documents for the parking deck were reviewed which included the following:

 "City Parking Structure", Record Drawings dated July 1973, prepared by Kimley-Horn and Associates Inc.

A visual, non-destructive, walk-through condition assessment of the parking deck's Structural, Waterproofing, Operational, Systems (mechanical / electrical / plumbing / fire protection), and Aesthetic categories was conducted. The observed Structural elements included the slabs, ceilings, beams, columns, walls, masonry, vehicular restraint systems, stairs, and miscellaneous metals. The observed Waterproofing systems generally consisted of expansion joints, joint sealants, traffic coatings, and architectural sealants. The Operational systems generally included striping, signage, accessible parking spaces, sidewalks/curbs/medians, stair cores, bollards, stairs operational elements like railings and nosings, and safety items. The Systems observed included lighting, piping, mechanical, electrical, fire systems, elevators, and security. Observed Aesthetic systems consisted of the exterior façade, painting, and general overall appearance.

The walk-through assessment was limited to readily accessible parking areas of the structure. Stairwells were included in the walk-through. Rooms and enclosed spaces were not entered. Observations of the exterior façade and underside of structure were only made from grade/floor level. No access to the roof of the stair towers was provided. Selective light meter readings were conducted to determine baseline readings of typical light levels as well as areas where there appeared to be low-light or uniformity concerns in illumination within the parking areas.

Limited hammer soundings and chain drag surveys were performed on select areas of concrete suspect to delamination and periodically performed throughout the deck during the walk-through assessment. No destructive/intrusive testing was performed as a part of the Kimley-Horn site visit. Our scope did not include structural analysis, gravity or lateral, of the existing structure or vehicular barriers, code review or accessibility assessment other than explicitly described herein.

Defining deck characteristics and items indicative of overall current conditions along with specific items requiring attention were documented with photographs and can be found in Appendix C.

The walk-through assessment was conducted on June 30, 2021 by Kimley-Horn representatives. During the site visit it was sunny with no known recent precipitation. For complete weather information during the site visits, refer to www.wunderground.com. At the time of the walk-through assessment, a limited number of vehicles were present and obstructed some views of floor areas throughout the deck.



### **GENERAL DESCRIPTION**

The Market Street Parking Garage was originally constructed circa 1973 is located at 550 Market St E, Charlottesville, VA 22902 on a site bounded by 5<sup>th</sup> Street NE to the west, Charlottesville City Hall Building to the east, East Main Street to the south, and the E Market St to the north. Below is a general description of the deck based on the walk-through assessment and information shown in the provided drawings.

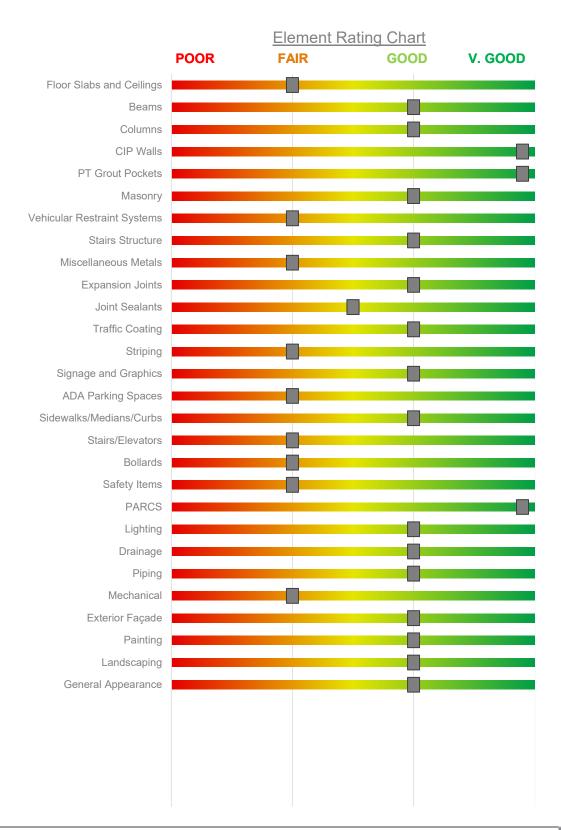
- Number of levels: 1 on grade, 4 structured
- Overall footprint approximately 233' x 195'
- Approximately 649 parking spaces
- Structural system for elevated levels: post tensioned concrete beam joists; mildly reinforced concrete slabs
- Mixed use office and retail space exist around the west and south sides of the garage

### PREVIOUS MODIFICATIONS AND REPAIRS OBSERVED

- Concrete repairs and patches
- · Routed and sealed cracks
- Expansion joint replacement
- Brick façade repairs
- Walkway and railing repairs along Main Street
- · Accessible parking modifications



# RATINGS SUMMARY TABLE





# FINDINGS AND RECOMMENDATIONS

The tables below indicate components within Structural, Waterproofing, Operational, Systems, and Aesthetic categories that were observed in the walk-through with each element receiving a rating of "Very Good", 'Good', 'Fair', 'Poor', or 'N/A' which represents the median condition of all individual similar elements. Rating descriptions are defined further in Appendix D.

### **ABBREVIATIONS:**

CIP: Cast-in-place

CMU: Concrete Masonry Unit

• EJ: Expansion Joint

N/A: Not Applicable

 PARCS: Parking Access and Revenue Control System PT: Post-Tensioned

SOG: Slab-on-grade

### STRUCTURAL

Structural Element	Rating	Observations	Recommendations
Concrete (General)	Fair	Deterioration was observed throughout the structure, such as spalls with or without exposed reinforcement, delaminated concrete, and cracking. While this deterioration is consistent with the age of the structure, deficiencies will continue to worsen if not regularly repaired.	Repair spalls, exposed reinforcement, and delaminations in CIP elements with a polymer modified patching mortar and an epoxy-modified, cementitious bonding and anticorrosion agent.
Floor slabs and ceilings	Fair	New areas of spalled and delaminated concrete were observed throughout the facility. In general, the highest area of concrete deficiencies was observed on Level 4 (the top, exposed level), although significant areas were also noted at Level 3. Many new spalls were observed adjacent to	See general concrete repair recommendations for spalls, exposed rebar, and delaminations.
		previously repaired patches.	Due to the high volume of spalling and deficiencies at Level 4, it is recommended
		New cracks requiring repair were observed throughout each elevated level. Limited leaking / leaching was observed through cracks at the top exposed levels. In general, more areas of cracking were observed on Level 3.	to install a traffic coating membrane over the entire surface.
			Due to the increased spalling and
		Previous repaired floor patches have failed and need to be replaced. Previous crack repairs were observed in good condition.	deficiencies at Level 3, it is recommended to surface apply a waterproofing agent that will form crystalline growth within the concrete capillaries. This agent will greatly reduce the amount of water getting into the



Structural Element	Rating	Observations	Recommendations
			concrete causing corrosion, while also being able to self-heal small cracks.
			Moderate width cracks (>1mm) should be repaired by routing and sealing the cracks using urethane joint sealant from the top side of the cracks.
Beams	Good	CIP beam joists are in good condition with limited locations of cracks and spalls observed. Strain Gauges were noted on the underside of (2) beam stems on Level 2 and indicated little to no movement of cracks. The date of strain gauge installation and the strain gauge installer is unknown.	See general concrete repair recommendations for spalls, exposed rebar, and delaminations.
Columns	Good	CIP columns are in good condition with limited locations of cracks and spalls observed. Some columns were observed with pattern cracking at Levels 3 and 4 due to previous alkali silicate reaction (ASR) cracking. This cracking appears stabilized without new evidence of ASR activity.	Continue to regularly monitor columns for new ASR activity.
CIP walls	Very Good	CIP basement walls in the below grade parking area were observed to be in good condition. There were no specific concrete deficiencies observed.	N/A
PT grout pockets	Very Good	During construction, non-shrink grout is placed in the open pockets left behind during PT stressing operations to protect the anchor heads from moisture intrusion. The PT grout pockets generally appeared to be in good condition with no specific deficiencies observed.	N/A
Masonry	Good	Storage, mechanical, electrical, and service room walls consist of 8" CMU although access was not provided within these rooms. CMU is also along the Level 1 ramp to separate parking from commercial space. In general, the masonry is in good condition with limited areas of cracking and deterioration noted.	Seal cracks in the masonry using a urethane sealant.
		Brick masonry is used extensively around the façade. Previous repairs appear to be in good condition. Minor new deficiencies such as cracking and efflorescence were observed. Subsequent to Kimley-Horn's site visit, a brick become loose and fell from the Level 4 façade near the southwest stair tower.	
Vehicular Restraint Systems	Fair	The perimeter vehicular and pedestrian restraint systems are provided by precast façade panels. At Levels 1-3, the precast panels also have timber bumpers. At Level 4, the precast panels also have metal guardrail	See general concrete repair recommendations for spalls, exposed rebar, and delaminations.



Structural Element	Rating	Observations	Recommendations
		bumpers. In general, the precast panels are in good condition except at the top, exposed level where the panels intersect the columns. At these intersections, the top corner of the panel is spalling at nearly every column despite having been repaired during previous restoration efforts.  Interior ramp vehicular and pedestrian restraint systems consist of metal guardrails and railings. The spacing of these rails exceed current building code requirements for pedestrian barriers which require maximum spacing of 4". However, a code review was not performed to verify compliance during original construction. The barriers generally appear to be in good condition.	For the perimeter parapets experiencing spalls, additional isolation between the column and parapet is required. This report and OPC assume repairing the parapet by chipping back spalled concrete, creating a wider gap (1" to 1.5") between the column and parapet for at least the top 12", and then replacing joint sealant.  To improve pedestrian safety, it is recommended to install additional fencing or barriers along the interior ramp lines. One example includes black vinyl chain link fencing which can be affixed directly to the existing metal railings.
Stairs	Good	There are two stair / elevator towers located in the southwest and northeast corners of the garage. Stair framing consists of CIP concrete risers, beams, and columns for the treads and landings. The pedestrian barrier consists of steel railing. In general, the stairs are in good condition due to minor amounts of concrete deterioration and spalling. The most frequent locations of spalls occur at railing post embedment to the concrete.  Elevator cores have CIP walls. In general, the concrete is in good condition.	See general concrete repair recommendations for spalls, exposed rebar, and delaminations.
Miscellaneous Metals	Fair	Steel lintels supporting brick façade over the stair entrance/exits were noted to have minor amounts of corrosion.  Steel clip angles connecting the Precast façade to the main parking structure were noted to be in good condition with little to no corrosion.  Metal guardrails are connected to the concrete structure using metal angles and bolts. Minor corrosion is starting to appear at the top, exposed level.	Blast clean areas of steel corrosion and repaint with a high-performance paint coating.  Replace corroded elements at light poles. See general concrete repairs for repairs at base of light pole



Structural Element	Rating	Observations	Recommendations
		Corrosion was observed to the door and doorframe at the northwest stairs, Level 1.	
		Anchor Bolts and base mounts of light poles on the top level were noted to be severely corroded.	
		Metal awnings overhang retail spaces along Main Street and are generally in good condition. All exposed steel elements are painted although minor corrosion was observed at the top flanges of some awnings. No deficiencies were observed to the metal decking or tension wire.	



# WATERPROOFING

Waterproofing Element	Rating	Description / Notes	Recommendations
Expansion Joints	Good	An expansion joint was located along Column Line G on each level, approximately 2" wide. Expansion joints typically consist of epoxy bonded rubber joints at the horizontal floor surface and vertical impregnated foam joints at the west exterior columns. Interior vertical column joints are sealed with urethane sealant. The transition between SOG to elevated structure contains urethane sealant. According to Reef Parking, the Level 4 floor expansion joint was replaced with an impregnated foam system in 2019.	N/A.
		Joints are in good condition after having been recently replaced in 2016. The expansion joints on Level 2 is nearing the end of its useful life but does not require replacement.	
		Expansion joints typically have debris in the joint which should be cleaned out. Failing to keep the joints clean could void the existing warranty.	
Joint Sealants	Fair / Good	Construction joints are located between adjacent slab pours and around the tower crane openings. Sealant in the joints is generally in good condition. Limited areas of deteriorated / missing joint sealant were noted at various locations near columns on Level 4 (top level).	Replace old joint sealant in the construction joints and at failed joints along the perimeter of Level 4. Priority should be placed on those exposed joints on Level 4.
		Interior vertical sealant at masonry is generally in good condition.	
		Exterior joint sealant on brick façade is starting to crack and fade and is generally in fair condition. Leaching was noticed on exterior walls in the northeast and northwest corners at Levels 4 and 3.	Clean exterior walls where leaching occurs and apply new joint sealant.
		SOG joints are typically unsealed.	
Waterproofing Traffic Coating	Good	Traffic coating is installed over the entire Level 1 parking surface and up the ramp to Level 2. It is generally in good condition with minor areas of wear. This traffic coating was last replaced in 2011.	N/A
		Traffic coating is installed in both stair towers at the landings and risers. It is generally in good condition with minor areas of wear.	



Waterproofing Element	Rating	Description / Notes	Recommendations
Architectural Sealants	Good	Architectural sealants at the stair window glazing were generally in good condition with no indication of active leaks.	N/A



# **OPERATIONAL**

Operational Element	Rating	Description / Notes	Recommendations
Striping	Fair	Overall condition of striping is fair, with typical sections where the paint is fading and nearing the end if its useful service life. At Level 1, a different striping color might help provide better contrast against the tan traffic coating.	Complete a restriping program throughout the deck; starting in the most used floors and moving to least used.
Signage and Graphics	Good	Level signage throughout the deck was provided on signs hung from concrete stems Signage was clearly located at multiple areas throughout the deck and clearly showed vehicular paths of movement and exits.  Interior stair signage does not appear to conform to current building code requirements which require identification of the stair number, level of exit discharge, and provide an Exit sign.  Signage for the fire department connections (FDC) is very faded and difficult to read.	Upgrade interior stair signage and ADA signage to meet current building codes.  Replace FDC signage at each level.
Accessible Parking Spaces	Fair	<ul> <li>Kimley-Horn did not perform an Accessibility review for the parking facility.</li> <li>However, the following observations noted during our walk through:         <ul> <li>ADA signage is either supported by steel posts mounted in the concrete surface or mounted directly to concrete spandrels. ADA signage was mounted lower than current code standards on Level 4, which requires 48" to the bottom of the "reserved" sign.</li> <li>ADA signage styles vary throughout the facility, many of which do not comply with current Virginia standards.</li> <li>At Level 4, one bollard was installed within the ADA access aisle adjacent to the southwest stair. No obstructions are allowed within the access aisle according to federal ADA Standards.</li> </ul> </li> </ul>	Replace ADA signs to comply with current standards and ensure all signs are mounted at the correct height.  Relocate the bollard in the Level 4 ADA access aisle.
Sidewalks, Medians, Curbs	Good	Curbs are located at the PARC equipment and also used to separate adjacent parking aisles on each floor. The curbs are generally in good condition with limited areas of concrete deterioration observed. Curbs are painted at the PARC equipment, at the stair tower, and at some end turning bays.	Paint the face and top 6" of all curbs at the end turning bays yellow where not already done so. Paint the face of curbs around PARCS equipment yellow.
Stairs, Elevators	Fair	Metal railings provide pedestrian restraint at locations such as the stair / elevator lobby areas. Stair railings are painted and are generally in good structural condition although the spacing of rail supports exceeds the 4" spacing required by current code requirements. The biggest concern exists	Install additional guards between the stair railings to reduce openings less than 4". The priority should be at the top landings.



Operational Element	Rating	Description / Notes	Recommendations
		at the top of the Level 4 stair landing, overlooking the risers below, where the barrier height only measures 34.5" high and has a significant gap from the floor surface to the first railing crossbar.	
		Stair nosings have traffic coating cover their surface. Non-slip resistance appears adequate on the concrete surface although visual contrast on the end of each nosing could be improved.	
		Doors and metal headers are painted and in good condition.	
Bollards / Guards	Fair	Bollards were observed to generally be in good condition. Bollards are used around the parking control equipment, and at fire standpipe risers.	Install pipe protection in front of storm pipe risers.
		Three bollards on Level 2 were observed to have corroded bases, base plates, and bolts.	Replace three corroded bollards at Level 2.
			Install bollard caps at Level 4.
		Bollard caps are missing on two bollards at Level 4.	
		At Level 2, east bay, one bollard in front of mechanical ducts was loose / unanchored to the floor.	
Safety Items	Fair	At Level 1, there is a ½" to ¾" lip on the flared curb ramp which may present a tripping hazard. Vertical faces of interior curbs are not painted.	Shave down concrete on the curb ramp to eliminate the lip.
		Emergency call boxes appear to have recently been installed throughout the deck. All lights appeared to be functional although were not tested as part of this assessment.	Install additional fire extinguisher cabinets within the parking garage.
		Fire extinguishers were only observed in the stairs, which may not meet spacing requirements per the current building code.	
		See previous comments regarding spacing of barriers and railings.	
Parking Access and Revenue Control System (PARCS)	Very Good	Parking control equipment was newly installed in 2019. The equipment appeared functional and in good condition.	N/A
		Reef Parking noted that the rolling gate on Level 2 is no longer being used for garage operations.	



### **SYSTEMS**

Condition assessments of the mechanical, electrical, plumbing, and fire protection (MEPF) systems, including elevators, are being performed by City personnel as part of other work and therefore were not specifically included in our assessment or opinion of cost. However, some limited observations during Kimley-Horn's site visits have been noted below for the Client to incorporate into their overall maintenance program.

System Element	Rating	Description / Notes	Recommendations
Lighting	Good	Fluorescent fixtures are used in the garage and fluorescent wall pack fixtures are used in the stair towers. Lighting levels generally appeared adequate and the minimum light meter reading of 1.4-foot candles (fc) exceeds the minimum 1.0-fc recommended by the Illuminating Engineering Society of North America (IESNA). There is some indication of light uniformity issues, evidenced by dark versus light areas and from the light meter readings. The measured illumination uniformity ratio (max:min) measured up to 11.5:1, which slightly exceeds the IESNA recommendation of 10:1.  Some light fixtures were beginning to yellow, indicating they are reaching the end of their useful service life.	Maintenance crews should regularly review lighting fixtures and replace those which are burned out or significantly starting to yellow.
Drainage	Good	Area drains in the floors are distributed throughout the garage and are generally in good condition. No specific areas of drain body deficiencies nor pondering were observed.	Maintenance crews should regularly review drains and unclog any which have excess debris.
Piping	Good	Stormwater piping generally appeared to be in good condition with minor areas of corrosion observed. There was no evidence of leaks through the joints.  Fire protection consists of dry standpipe valves, which are located at the corners of the garage on each level.	N/A
Mechanical	Fair	The garage is naturally ventilated and does not contain any mechanical ventilation fans. However, Levels 1-3 and the stair towers are noticeably stuffy without much air movement.	Conduct a ventilation study to verify that levels of CO2, CO, and other harmful gases are being appropriately ventilated through the facility.



# **AESTHETICS**

Aesthetic Element	Rating	Description / Notes	Recommendations
Exterior Façade	Good	The façade consists of precast concrete panels and brick. While deficiencies to concrete and brick were generally not observed, there are dirt stains present throughout.	Power wash the exterior façade.
Painting	Good	Exterior railings are painted and generally in good condition, with only limited areas where peeling paint was observed.	N/A
		The interior railing at the ADA ramp adjacent to the northeast stair, Level 2 is starting to peel.	
		The interior stair walls are painted. The paint is generally in good condition with no areas of deficiencies noted.	
Landscaping	Good	The garage is generally bounded by impervious materials, such as adjacent roadway, concrete sidewalk, or brick pavers. Landscaped areas are generally limited to the west side of the garage and include small shrubs and medium size trees. Trees also exist at regular intervals along	Trim tree foliage as part of regular maintenance so that limbs and leaves do not grow into the garage.
		Main Street. In general, plantings appear well-maintained and tree foliage is being trimmed and away from the garage.	While immediate repairs to the walkway are not required, it is recommended to continue monitoring the brick in case
		Along the west walkway parallel to 5 <sup>th</sup> Street, portions of the brick walkway are starting to separate where the metal railing are embedded into the walking surface. The railing did not appear loose.	further separation occurs and the railing loses stability.
General Appearance	Good	The deck is dirty is some areas, but overall is generally clean and in good condition.	Power wash the deck floor, ceiling, wall, and column surfaces as part of ongoing maintenance practices.



### GENERAL RECOMMENDATIONS

Decks are exposed to the environment and require diligent upkeep of waterproofing and sealing systems to keep structural components in good condition. Anywhere water is intruding or steel is exposed to the environment should be addressed, as ignoring these items can limit the useful life of the deck. While system, operational, and aesthetic issues may not directly affect the deck's life span in the same way that structural or waterproofing issues can, they should not be ignored solely on that basis. The Owner has a vested interest in maintaining a user friendly, appealing structure in the same way it has an interest in protecting its parking investment from the effects of structural disrepair.

These maintenance and repair recommendations have been developed according to their impact on the overall structural, waterproofing, operational, system, and aesthetics of the parking deck based on our professional opinion. Based on our walk-through survey, the recommendations and Opinion of Probable Cost ("OPC") provided have been prepared to remedy the deficiencies observed.

Kimley-Horn reviewed various repair options, current repair technologies/approaches/products and has recommended a repair and maintenance program appropriate for the age and existing condition of this parking facility. Repair recommendations for the deficient items observed during this assessment have been prioritized in the cost estimate according to the anticipated immediacy of the needed repairs as well as the anticipated impact on the overall building's systems.

- PRIORITY 1 deficient items have a more immediate impact to the functionality of the building systems and are recommended to be addressed within one to two years. Included are also items observed that may present a life-safety concern.
- PRIORITY 2 deficient items are intended to assist in protecting the building from further deficiencies and are recommended to be addressed within two to three years.
- **PRIORITY 3** deficient items are existing deficiencies that do not appear to prevent the systems from functioning now, but that could impact the systems if not addressed in the future.

Implementation of these recommended repairs can be phased and scheduled around the Owner's parking program to accommodate patron usage during the repair process. Many of our recommendations require specialized knowledge to design, detail, and construct. The recommendations in the tables above outline items in need of repair but do not provide specific, detailed repair procedures. These recommendations outline items in need of repair and present limited conceptual procedures. A firm with expertise in parking deck repairs should be retained to design and detail the specialty recommendations including proper material selection and methods of repair. Once restoration construction documents are prepared, a specialty contractor should be selected to perform the work.

### MATERIALS TESTING

Materials testing was not performed at the Market Street Parking Garage.



# **APPENDICES**

- A Limitations
- B Opinion of Probable Cost
- C Representative Photographs
- D Rating Guidelines and Definitions
- E Recurrence Intervals
- F Resources



### **APPENDIX A**

### LIMITATIONS

Kimley-Horn and Associates, Inc. endeavors with this report to assist the City of Charlottesville in the understanding of the existing conditions within the parking facility in an effort to plan for the repair and maintenance of the structures. This report is based on the specific observations made and the professional opinion and experience of Kimley-Horn. Our recommendations provide general repair approach but do not provide specific repair details or specifications. The report is not a warranty or guarantee of the items noted. The extent of our evaluation was limited, and we cannot guarantee that the assessment discovered every possible condition that has or will occur.

Throughout the parking structure's service life it will be exposed to environmental conditions detrimental to the structural integrity and the waterproofing, systems, operational, and aesthetic conditions. It is likely that further deterioration will occur over time. However, preventative maintenance performed by the City of Charlottesville can help to minimize the long-term repair needs.

This report has been prepared in accordance with the professional standard of care. No other warranties or guarantees, express or implied, are made or intended. This report has been prepared solely for the City of Charlottesville for the purpose stated herein and should not be relied upon by any other party for any other purpose. Specifically, this report may not be used in connection with actual renovation or construction of any kind. The conclusions in this report are based on the limited investigation described herein. Any reliance on this report by any party other the City of Charlottesville shall be without liability to Kimley-Horn and Associates, Inc. or its employees.



### **APPENDIX B**

### **DETAILED COST BREAKDOWN**

The anticipated opinion of construction costs associated with the recommendations is intended to provide relative budgetary information to the City of Charlottesville. Anticipated construction costs are provided in this Appendix B. These construction costs are based on limited field observations and estimated quantities. Unit price information is based on our current knowledge of the market conditions, RS Means, and historical repair cost information. No solicitation or information from contractors was gathered in the development of these cost projections.

Cosmetic, decorative, tenant improvements, enhancements, improvements required for warranty transfer, and/or routine or normal preventive maintenance items are not included in the opinion of probable cost, unless noted otherwise. This opinion of probable cost is presented to assist the City of Charlottesville to develop a general order-of-magnitude cost for budgetary purposes.

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.



Repair Item	Note	Priority 1	Priority 2	Priority 3
Structural				
Repair shallow floor spalls and delamination - Priority 1		\$86,850	\$0	\$0
Repair shallow floor spalls and delamination - Priority 2		\$0	\$44,100	\$0
Repair shallow vertical / overhead spalls and delamination		\$27,000	\$0	\$0
Floor rout and seal partial-depth cracks		\$23,595	\$0	\$0
Epoxy inject cracks		\$22,950	\$0	\$0
Replace Light Pole Fixture Connections		\$600	\$0	\$0
Clean and paint steel		\$0	\$3,000	\$0
Repair spandrel corners		\$12,600	\$0	\$0
Rout and seal CMU / masonry wall cracks		\$3,150	\$0	\$0
Naterproofing				
nstall/ replace joint sealant		\$1,155	\$0	\$0
Replace Construction Joint Sealant		\$1,320	\$0	\$0
Apply silane sealer (w/ corrosion inhibitor) Levels 2 and 3		\$0	\$83,400	\$0
nstall traffic coating (urethane-based) Level 4		\$299,640	\$0	\$0
Operational				
Restripe stalls and pavement markings		\$0	\$0	\$17,848
Replace damaged bollards		\$0	\$4,290	\$0
nstall new ADA sign		\$0	\$330	\$0
nstall new stair and FDC signs		\$0	\$0	\$3,168
Paint curbing		\$0	\$2,310	\$0
nstall chain link fencing		\$0	\$32,400	\$0
Stair railing guards at top landing		\$880	\$0	\$0
nstall Storm Riser Pipe Protection		\$0	\$550	\$0
Shave down lip at curb ramp		\$0	\$1,155	\$0
nstall new / more fire extinguisher cabinets		\$0	\$0	\$880
Systems				
nstall / Replace Light Fixtures	1	\$0	\$0	\$0
nstall supplemental storm drains	1	\$0	\$0	\$0
Aesthetics				
Power wash exterior facade		\$0	\$0	\$50,787
Power wash interior surface		\$0	\$0	\$112,210
Trim foliage / plant growth	1	\$0	\$0	\$0
Subtotal		\$480,000	\$172,000	\$185,000
Additional Cost				
General Conditions, Overhead/Profit, Mobilization		\$96,000	\$34,400	\$37,000
A/E and Testing Fees		\$72,000	\$40,000	\$40,000
Escalation (5% per year)		\$0	\$17,630	\$51,112

		Priority 1	Priority 2	Priority 3
Total		\$650,000	\$270,000	\$320,000
	Cost per SF:	\$4.10	\$1.70	\$2.02
	Cost per Space:	\$1.002	\$416	\$493

### Notes:

<sup>1.</sup> This repair item is anticipated to be completed by the Client as part of routine, ongoing maintenance activities and so a cost has not been included for this item.



### PlanGrid Full Task Report - Sep 23, 2021

Prepared by Matt Sumpter

Sep 23, 2021

### Description

277 tasks in this report.

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#317 Operational
#318 Crack14
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#7 Spall / Delamination / Exposed Rebar
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#19 Joint sealant / CJ
#20 Spall / Delamination / Exposed Rebar

Prepared by Matt Sumpter 1 Created with PlanGrid

ev»Horn	Market Street Parking Garage - Condition A
- V ///	

# Kimley»Horn

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# Market Street Parking Garage - Condition A...



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### Market Street Parking Garage - Condition A...

Prepared by Matt Sumpter

# Kimlev»Horn

Created with PlanGrid

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# Kimley**≫**Horn

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171		11	
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### Prepared by Matt Sumpter

Created	with	PlanG

# Market Street Parking Garage - Condition A... 546 East Market Street, Charlottesville, Virginia

Prepared by Matt Sumpter



Created with PlanGrid

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546 East	Market:	Street,	Charlot	tesville,	Virginia		

# Kimlow Horn

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Market Street Parking Garage - Condition

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Prepared by Matt Sumpter	10 Created with PlanGrid

# Market Street Parking Garage - Condition A...

Prepared by Matt Sumpter



Created with PlanGrid

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Market Street Parking Garage - Condition A...

# Kimley»Horn

### #240 Masonry

Status Open

Created
Jun 30, 2021 10:53 AM matt.sumpter@kimley-horn.com

Туре Issue

Description Dirty / stained brick

### Sheet Level Main St



### Photos



20210630\_105352\_photo Matt Sumpter Jun 30, 2021 10:53 AM



### #317 Operational

Status Open

Created

Jun 30, 2021 4:21 PM joey.diserafino@kimley-

Type

horn.com

Description

Rusted bollards below drive

entry

### Photos



20210630\_104245\_phot Joey DiSerafino Jun 30, 2021 10:42 AM

Sheet



Market Street Parking Garage - Condition A...

# Kimley»Horn

### #318 Crack

Status Open

Created

Jun 30, 2021 4:21 PM joey.diserafino@kimleyhorn.com

Type Issue Level Main St

Sheet

Schedule Impact 15 days

### Photos



20210630\_104529\_photo Joey DiSerafino Jun 30, 2021 10:45 AM

Prepared by Matt Sumpter 13 Prepared by Matt Sumpter 14 Created with PlanGrid

Market Street Parking Garage - Condition A...



Created with PlanGrid

### #319 Crack

Status Open

Created Jun 30, 2021 4:21 PM joey.diserafino@kimleyhorn.com

Туре Issue



Sheet

### Photos



Joey DiSerafino Jun 30, 2021 10:46 AM

Market Street Parking Garage - Condition A...



### #6 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 29, 2021 7:20 PM matt.sumpter@kimleyhorn.com

Туре Issue



Schedule Impact 10 days

Sheet

### Photos



20210629\_192211\_photo Matt Sumpter Jun 29, 2021 7:22 PM

Prepared by Matt Sumpter



20210629\_192033\_photo\_edited Matt Sumpter Jun 29, 2021 7:22 PM

15 Created with PlanGrid Prepared by Matt Sumpter

16 Created with PlanGrid





20210629\_192033\_photo Matt Sumpter Jun 29, 2021 7:20 PM

Market Street Parking Garage - Condition A...

# Kimley»Horn

### #7 Spall / Delamination / Exposed Rebar

Status Open

Created

horn.com

Jun 29, 2021 7:23 PM matt.sumpter@kimley-

Type Issue Sheet Level 4



Schedule Impact 10 days

### Photos



20210629\_192311\_photo Matt Sumpter Jun 29, 2021 7:23 PM

Prepared by Matt Sumpter 17 Created with PlanGrid Prepared by Matt Sumpter 18 Created with PlanGrid

Market Street Parking Garage - Condition A...

# Kimley»Horn

### #8 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 7:24 PM matt.sumpter@kimley-

horn.com

Туре Issue

Sheet Level 4



Schedule Impact 5 days



20210629\_192419\_photo Matt Sumpter Jun 29, 2021 7:24 PM

Market Street Parking Garage - Condition A...



### #9 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 29, 2021 7:24 PM matt.sumpter@kimley-

horn.com

Туре

Issue

Sheet Level 4



Schedule Impact 10 days

### Photos



20210629\_192448\_photo Matt Sumpter Jun 29, 2021 7:24 PM

19 Created with PlanGrid Prepared by Matt Sumpter 20 Created with PlanGrid Prepared by Matt Sumpter



### #10 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 7:26 PM matt.sumpter@kimleyhorn.com

Туре Issue Level 4



2 days

### Photos



IMG\_7015 Matt Sumpter Jun 29, 2021 7:26 PM

Prepared by Matt Sumpter

Sheet



Schedule Impact

# Photos

Matt Sumpter Jun 29, 2021 7:27 PM

Status

Open

Type

Issue



Market Street Parking Garage - Condition A...

#11 Spall / Delamination / Exposed Rebar

Created

horn.com

Jun 29, 2021 7:27 PM

matt.sumpter@kimley-

Prepared by Matt Sumpter 22 Created with PlanGrid

Market Street Parking Garage - Condition A... Kimley » Horn

21

### #12 Spall / Delamination / Exposed Rebar

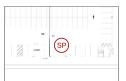
Status

Created Open Jun 29, 2021 7:28 PM matt.sumpter@kimleyhorn.com

Туре

Issue

Sheet Level 4



Created with PlanGrid

Schedule Impact 2 days

### Photos



20210629\_192825\_photo Matt Sumpter Jun 29, 2021 7:28 PM

Market Street Parking Garage - Condition A...



Kimley»Horn

Sheet

Level 4

Schedule Impact

2 days

### #13 Vehicular restraint

Status Open

Created Jun 29, 2021 7:30 PM adam.cochran@kimleyhorn.com

Туре Issue

Description

Typical perimeter barrier

Photos

Sheet Level 4



Created with PlanGrid



Market Street Parking Garage - Condition A...



### #14 Spall / Delamination / Exposed Rebar

Status Open Created

Jun 29, 2021 7:30 PM matt.sumpter@kimley-

horn.com

Type Issue



Sheet

Schedule Impact 2 days

### Photos



20210629\_193025\_ph Matt Sumpter Jun 29, 2021 7:30 PM

Prepared by Matt Sumpter 25 Created with PlanGrid Prepared by Matt Sumpter 26 Created with PlanGrid

Market Street Parking Garage - Condition A...

i46 East Market Street, Charlottesville, Virginia

# Kimley»Horn

### #15 Spall / Delamination / Exposed Rebar

Status Open

20210629\_193030\_phot Adam Cochran Jun 29, 2021 7:30 PM

**Created**Jun 29, 2021 7:31 PM

matt.sumpter@kimley-

horn.com

Type Issue Sheet

Level 4



Schedule Impact

2 days

act

### Photos



20210629\_193139\_photo Matt Sumpter Jun 29, 2021 7:31 PM

Market Street Parking Garage - Condition A... 546 East Market Street, Charlottesville, Virginia

Created

horn.com

Jun 29, 2021 7:31 PM

adam.cochran@kimley-

### #16 Joint sealant / CJ

Status Open

Туре

Issue

**Description**Failed vertical sealant

Photos

Kimley»Horn

Sheet Level 4





### Market Street Parking Garage - Condition A...

# Kimley»Horn

### #17 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 7:33 PM matt.sumpter@kimley-

horn.com

Type Issue



Sheet

Schedule Impact 5 days

### Photos



20210629\_193340\_photo Matt Sumpter Jun 29, 2021 7:33 PM

Prepared by Matt Sumpter 29 Created with PlanGrid

horn.com

Prepared by Matt Sumpter 30 Created with PlanGrid

Market Street Parking Garage - Condition A...



### #18 Joint sealant / CJ

Status

Open

20210629\_193202\_pho Adam Cochran Jun 29, 2021 7:32 PM

Туре Issue

Description Failed sealant in CJ Created Sheet Jun 29, 2021 7:35 PM Level 4 matt.sumpter@kimley-



### Photos



Market Street Parking Garage - Condition A...

### #19 Joint sealant / CJ

Status Open

Туре Issue Created Jun 29, 2021 7:37 PM matt.sumpter@kimley-

horn.com



Kimley»Horn

Schedule Impact a month

Sheet

### Photos



20210629\_193716\_photo Matt Sumpter Jun 29, 2021 7:37 PM

31 Created with PlanGrid Prepared by Matt Sumpter 32 Created with PlanGrid Prepared by Matt Sumpter



### #20 Spall / Delamination / Exposed Rebar

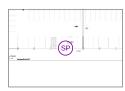
Status Open

Created

Jun 29, 2021 7:38 PM matt.sumpter@kimleyhorn.com

Type Issue

Sheet Level 4



Schedule Impact 2 days

### Photos



### #21 Joint sealant / CJ

Market Street Parking Garage - Condition A...

Status Open

Created

Jun 29, 2021 7:39 PM adam.cochran@kimley-

horn.com

Type Issue

Description

Cove joint around full perimeter (typically good)

Photos

Sheet

Level 4



Kimley»Horn

Market Street Parking Garage - Condition A...

Prepared by Matt Sumpter 33 Created with PlanGrid

Kimley » Horn

Market Street Parking Garage - Condition A...

Kimley»Horn

Created with PlanGrid

### **#22 Structural**

Prepared by Matt Sumpter

Status Open

Created Jun 29, 2021 7:42 PM adam.cochran@kimleyhorn.com

34

Туре Issue

Description

Abrasion deterioration on

concrete slab

Photos

Sheet Level 4



20210629\_193935\_photo Adam Cochran Jun 29, 2021 7:39 PM

35 Created with PlanGrid Prepared by Matt Sumpter 36 Created with PlanGrid Prepared by Matt Sumpter









20210629\_194237\_pl Adam Cochran Jun 29, 2021 7:42 PM

Market Street Parking Garage - Condition A...

# Kimley»Horn

### #23 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 7:42 PM matt.sumpter@kimley-

horn.com

Type Issue Level 4

Sheet



Schedule Impact 5 days

### Photos



20210629\_194257\_photo Matt Sumpter Jun 29, 2021 7:43 PM

37 Prepared by Matt Sumpter Created with PlanGrid

Created

horn.com

Prepared by Matt Sumpter 38 Created with PlanGrid

Market Street Parking Garage - Condition A...



### #24 Striping

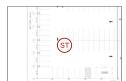
Status Open

Туре Issue

Description Fair condition overall

Photos

Sheet Jun 29, 2021 7:43 PM Level 4 adam.cochran@kimley-



Market Street Parking Garage - Condition A...





20210629\_194342\_photo Adam Cochran Jun 29, 2021 7:43 PM



20210629\_194331\_photo Adam Cochran Jun 29, 2021 7:43 PM

40



### #25 Spall / Delamination / Exposed Rebar

Status Open

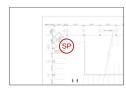
Type

Issue

Created

Jun 29, 2021 7:44 PM matt.sumpter@kimleyhorn.com

Sheet Level 4



Schedule Impact 2 days

### Photos



Prepared by Matt Sumpter

41

Created with PlanGrid

### #26 Masonry

Market Street Parking Garage - Condition A...

Status Open

Type

Issue

Description Efflorescence Created

Jun 29, 2021 7:45 PM adam.cochran@kimley-

horn.com

Sheet Level 4



Kimley»Horn

Photos

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Market Street Parking Garage - Condition A...



20210629\_194554\_photo Adam Cochran Jun 29, 2021 7:45 PM

Kimley » Horn

Market Street Parking Garage - Condition A...

### #27 Structural

Status Open

Created Jun 29, 2021 7:49 PM adam.cochran@kimleyhorn.com

Туре Issue

Sheet Level 4



Kimley»Horn

Schedule Impact 15 days

### Photos



20210629\_194942\_photo Adam Cochran Jun 29, 2021 7:49 PM

Prepared by Matt Sumpter 43 Created with PlanGrid Prepared by Matt Sumpter 44 Created with PlanGrid



### #28 Corrosion of metals

Status Open

Type

Issue

Created

Jun 29, 2021 7:50 PM matt.sumpter@kimley-

horn.com

Level 4



### Photos



20210629\_195036\_ph Matt Sumpter Jun 29, 2021 7:50 PM

# Sheet



### Photos

Status

Open

Type

Issue



Market Street Parking Garage - Condition A...

#29 Spall / Delamination / Exposed Rebar

Created

horn.com

Jun 29, 2021 7:52 PM

matt.sumpter@kimley-

20210629\_195227\_pho Matt Sumpter Jun 29, 2021 7:52 PM

Prepared by Matt Sumpter

Prepared by Matt Sumpter

45

Created with PlanGrid

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Market Street Parking Garage - Condition A...

# Kimley » Horn

Created with PlanGrid

Kimley»Horn

Sheet

Level 4

Schedule Impact a day

# Market Street Parking Garage - Condition A...

### #30 Striping

Status

Open Jun 29, 2021 7:53 PM matt.sumpter@kimleyhorn.com

Created

Туре Issue

Sheet Level 4



### Photos



20210629\_195349\_photo Matt Sumpter Jun 29, 2021 7:53 PM

### #31 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 29, 2021 7:53 PM adam.cochran@kimleyhorn.com

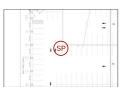
48

46

Туре Issue

Description Beside patch

### Sheet Level 4



### Photos



20210629\_195420\_photo Adam Cochran Jun 29, 2021 7:54 PM

Created with PlanGrid 47 Prepared by Matt Sumpter Prepared by Matt Sumpter



### #32 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 7:54 PM matt.sumpter@kimleyhorn.com

Type Issue

Sheet Level 4



Schedule Impact 3 days

### Photos



Prepared by Matt Sumpter

49

Created with PlanGrid

Market Street Parking Garage - Condition A...

### #33 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 29, 2021 7:56 PM matt.sumpter@kimley-

horn.com

Type Issue Sheet Level 4



Kimley»Horn

Schedule Impact 4 days

### Photos



Prepared by Matt Sumpter

50

Created with PlanGrid

Kimley » Horn

Market Street Parking Garage - Condition A...

# Kimley » Horn

### #34 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 29, 2021 7:57 PM matt.sumpter@kimleyhorn.com

Туре Issue Sheet Level 4



Schedule Impact 5 days

# Market Street Parking Garage - Condition A...

# #35 Spall / Delamination / Exposed Rebar

Status Open Created Jun 29, 2021 7:57 PM matt.sumpter@kimley-

Туре Issue Sheet Level 4

horn.com



Schedule Impact 5 days

### Photos



20210629\_195715\_photo Matt Sumpter Jun 29, 2021 7:57 PM

### Photos



20210629\_195752\_photo Matt Sumpter Jun 29, 2021 7:57 PM

51 Created with PlanGrid 52 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter



### #36 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 7:59 PM adam.cochran@kimley-

Туре

horn.com

Issue

Description

Small spall...joint sealant around patch is failed

### Photos



Sheet Level 4





Prepared by Matt Sumpter 53 Created with PlanGrid

Market Street Parking Garage - Condition A...

# Kimley»Horn

### #37 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 29, 2021 7:59 PM matt.sumpter@kimley-

horn.com

Type Issue

Schedule Impact 3 days

Sheet

Level 4

### Photos



Prepared by Matt Sumpter 54 Created with PlanGrid

Market Street Parking Garage - Condition A...



### #38 Spall / Delamination / Exposed Rebar

Status

Open

Created Jun 29, 2021 8:01 PM matt.sumpter@kimleyhorn.com

Туре Issue Sheet Level 4



Market Street Parking Garage - Condition A...

Kimley » Horn

### #39 Spall / Delamination / Exposed Rebar

Status

Open

Created Jun 29, 2021 8:03 PM adam.cochran@kimleyhorn.com

Туре

Issue

Description Between patches Sheet Level 4



Schedule Impact

2 days





20210629\_200105\_pho Matt Sumpter Jun 29, 2021 8:01 PM

Photos





20210629\_200415\_photo Adam Cochran Jun 29, 2021 8:04 PM



20210629\_200340\_phot Adam Cochran Jun 29, 2021 8:03 PM

Market Street Parking Garage - Condition A...

# Kimley»Horn

### #40 Spall / Delamination / Exposed Rebar

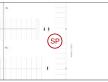
Status Open

Created

horn.com

Jun 29, 2021 8:03 PM matt.sumpter@kimley-

Type Issue Sheet Level 4



Schedule Impact a day

### Photos



20210629\_200359\_pho Matt Sumpter Jun 29, 2021 8:04 PM

Prepared by Matt Sumpter

57

Created with PlanGrid

Prepared by Matt Sumpter

58

Created with PlanGrid

Market Street Parking Garage - Condition A...



### #41 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 29, 2021 8:05 PM

horn.com

adam.cochran@kimley-

Туре

Issue

Description Failed patch

Photos

Sheet Level 4



Market Street Parking Garage - Condition A...

Kimley»Horn





## #42 Signage

Status Open

Created

Jun 29, 2021 8:06 PM matt.sumpter@kimleyhorn.com

Type

Issue

Level 4



#### Photos



Sheet



## Photos



Prepared by Matt Sumpter

Prepared by Matt Sumpter 61 Created with PlanGrid

Market Street Parking Garage - Condition A...

# Kimley » Horn

# #44 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 29, 2021 8:07 PM adam.cochran@kimleyhorn.com

Туре Issue Sheet Level 4



Photos

Market Street Parking Garage - Condition A...



Kimley»Horn

Created with PlanGrid

Kimley»Horn

## #43 Spall / Delamination / Exposed Rebar

Market Street Parking Garage - Condition A...

Status Open

Type

Issue

Created

Jun 29, 2021 8:07 PM matt.sumpter@kimley-

horn.com

62

Level 4

Schedule Impact 15 days

Sheet



## #45 Spall / Delamination / Exposed Rebar

Status Open

Created

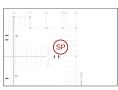
Jun 29, 2021 8:08 PM adam.cochran@kimley-

horn.com

Туре

Description Between patches

#### Sheet Level 4



#### Photos





Prepared by Matt Sumpter 65 Created with PlanGrid

#46 Spall / Delamination / Exposed Rebar

Market Street Parking Garage - Condition A...

Status Open

Created

Jun 29, 2021 8:08 PM matt.sumpter@kimleyhorn.com

Type Issue Level 4

Sheet



Kimley»Horn

Schedule Impact a day

#### Photos



Prepared by Matt Sumpter

Created with PlanGrid

Kimley»Horn

Market Street Parking Garage - Condition A...



### #47 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 29, 2021 8:09 PM adam.cochran@kimleyhorn.com

Sheet Level 4



Туре Issue

Photos



67

20210629\_200942\_photo Adam Cochran Jun 29, 2021 8:09 PM



20210629\_200953\_photo Matt Sumpter Jun 29, 2021 8:09 PM

Market Street Parking Garage - Condition A...

### #48 Spall / Delamination / Exposed Rebar

Status Open

Туре Issue Created Jun 29, 2021 8:09 PM matt.sumpter@kimleyhorn.com

68

66

### Sheet Level 4



Schedule Impact 5 days



## #49 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 8:10 PM adam.cochran@kimleyhorn.com

Type Issue

Sheet Level 4



#### Photos





#### Photos

Status

Open

Type

Issue



Market Street Parking Garage - Condition A...

#50 Spall / Delamination / Exposed Rebar

Created

horn.com

Jun 29, 2021 8:11 PM

matt.sumpter@kimley-

Prepared by Matt Sumpter 70 Created with PlanGrid

Prepared by Matt Sumpter

69

Created with PlanGrid

Market Street Parking Garage - Condition A...



### #51 Spall / Delamination / Exposed Rebar

Status

Open

Jun 29, 2021 8:11 PM matt.sumpter@kimleyhorn.com

Туре Issue Created

Level 4

Schedule Impact 2 days

Sheet



Matt Sumpter Jun 29, 2021 8:11 PM

Market Street Parking Garage - Condition A...



#### #52 Crack

Status Open

Туре Issue Created Jun 29, 2021 8:12 PM

matt.sumpter@kimleyhorn.com

Sheet Level 4



Kimley»Horn

Kimley»Horn

Sheet

Level 4

Schedule Impact 3 days

Schedule Impact 18 days

71 Prepared by Matt Sumpter Created with PlanGrid Prepared by Matt Sumpter 72 Created with PlanGrid



### #53 Spall / Delamination / Exposed Rebar

Status Open

Type

Issue

Created

Jun 29, 2021 8:12 PM adam.cochran@kimley-

horn.com

Level 4



#### Photos



Sheet



Status

Open

Type

Issue



Market Street Parking Garage - Condition A...

#54 Spall / Delamination / Exposed Rebar

Created

horn.com

Jun 29, 2021 8:13 PM

matt.sumpter@kimley-

Prepared by Matt Sumpter 74 Created with PlanGrid

Market Street Parking Garage - Condition A...

# #55 Expansion joint

Prepared by Matt Sumpter

Status Open

Jun 29, 2021 8:14 PM Туре

Issue

Created adam.cochran@kimleyhorn.com

73



Sheet

Created with PlanGrid

Kimley » Horn

### Photos

Market Street Parking Garage - Condition A...





20210629\_201510\_pho Adam Cochran Jun 29, 2021 8:15 PM



Kimley»Horn

Kimley»Horn

Sheet

Level 4

Schedule Impact 5 days



75 Created with PlanGrid Prepared by Matt Sumpter

Prepared by Matt Sumpter 76 Created with PlanGrid Level



# Market Street Parking Garage - Condition A...

# Kimley»Horn

#### #56 Spall / Delamination / Exposed Rebar

Status Open

Created

horn.com

Jun 29, 2021 8:15 PM matt.sumpter@kimley-

Type Issue



Sheet



Schedule Impact 2 days

#### Photos



20210629\_201535\_photo Matt Sumpter Jun 29, 2021 8:15 PM

Prepared by Matt Sumpter 77 Created with PlanGrid Prepared by Matt Sumpter 78 Created with PlanGrid

Market Street Parking Garage - Condition A...

# Kimley»Horn

### #104 Spall / Delamination / Exposed Rebar

Created

Status

Open

20210629\_201434\_ph Adam Cochran Jun 29, 2021 8:14 PM

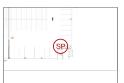
Jun 29, 2021 9:39 PM joey.diserafino@kimleyhorn.com Туре

Issue

Description

Delamination next to patch

Sheet Level 4



Schedule Impact 4 days

# Market Street Parking Garage - Condition A...

Status

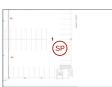
Created Open Jun 29, 2021 9:39 PM joey.diserafino@kimley-

#106 Spall / Delamination / Exposed Rebar

Туре Issue

Description Failed patch Sheet Level 4

horn.com



Kimley » Horn

Schedule Impact 5 days

## Photos



20210629\_192025\_phot Joey DiSerafino Jun 29, 2021 7:20 PM

# Photos



20210629\_192130\_ph Joey DiSerafino Jun 29, 2021 7:21 PM



### #107 Spall / Delamination / Exposed Rebar

Status Open

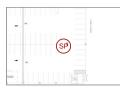
Created

Jun 29, 2021 9:40 PM joey.diserafino@kimley-

Туре

Description Delamination

horn.com



Schedule Impact 3 months

Sheet

Level 4

#### Photos



Prepared by Matt Sumpter

81

Created with PlanGrid

Market Street Parking Garage - Condition A...

#### #108 Crack

Status Open

Created

Jun 29, 2021 9:40 PM joey.diserafino@kimleyhorn.com

Type Issue Sheet Level 4



Kimley»Horn

Schedule Impact 6 days

#### Photos



20210629\_192441\_ph Joey DiSerafino Jun 29, 2021 7:24 PM

Prepared by Matt Sumpter

Created with PlanGrid

Kimley » Horn

Market Street Parking Garage - Condition A...

# Kimley » Horn

# #109 Spall / Delamination / Exposed Rebar

Status

Open Туре

Issue

Created

Jun 29, 2021 9:40 PM joey.diserafino@kimleyhorn.com

#### Sheet Level 4



Schedule Impact a day

# Market Street Parking Garage - Condition A...

# #110 Spall / Delamination / Exposed Rebar

Status

Open Туре

Issue

Created Jun 29, 2021 9:40 PM joey.diserafino@kimley-

82

horn.com

Sheet Level 4



Schedule Impact 5 days



20210629\_192509\_photo Joey DiSerafino Jun 29, 2021 7:25 PM

Prepared by Matt Sumpter



20210629\_192544\_photo Joey DiSerafino Jun 29, 2021 7:25 PM

Prepared by Matt Sumpter

Created with PlanGrid

84

83

Created with PlanGrid



#### #111 ADA compliance

Status Open

Created

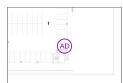
Jun 29, 2021 9:40 PM joey.diserafino@kimleyhorn.com

Туре

Description

Sign mounted too low on wall

Sheet Level 4



#### Photos



85

Market Street Parking Garage - Condition A...

#112 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 9:40 PM joey.diserafino@kimleyhorn.com

Type

Issue

Description Delamination next to patch Sheet Level 4



Kimley»Horn

Schedule Impact 4 days

#### Photos



Prepared by Matt Sumpter 86 Created with PlanGrid

Market Street Parking Garage - Condition A...

Kimley » Horn

Created with PlanGrid

# #113 Crack

Prepared by Matt Sumpter

Status Open

Created Jun 29, 2021 9:40 PM joey.diserafino@kimleyhorn.com

Туре Issue Sheet Level 4

Schedule Impact 20 days

# Photos



20210629\_193230\_photo Joey DiSerafino Jun 29, 2021 7:32 PM



20210629\_193222\_ph Joey DiSerafino Jun 29, 2021 7:32 PM

Market Street Parking Garage - Condition A...

Kimley » Horn



20210629\_193214\_photo Joey DiSerafino Jun 29, 2021 7:32 PM



### #114 Spall / Delamination / Exposed Rebar

Status Open

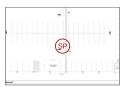
Created

Jun 29, 2021 9:40 PM joey.diserafino@kimley-

horn.com

Type Issue

Sheet Level 4



Schedule Impact 5 days

#### Photos



Prepared by Matt Sumpter

89

Created with PlanGrid

Market Street Parking Garage - Condition A...

#### #115 Crack

Status Open

Created

Jun 29, 2021 9:40 PM joey.diserafino@kimleyhorn.com

Type Issue Sheet Level 4



Kimley»Horn

Schedule Impact 6 days

#### Photos



20210629\_193647\_pho Joey DiSerafino Jun 29, 2021 7:36 PM

Prepared by Matt Sumpter

Created with PlanGrid

Market Street Parking Garage - Condition A...



# #116 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 29, 2021 9:40 PM joey.diserafino@kimleyhorn.com

Туре

Issue

Photos

Sheet

Level 4



Market Street Parking Garage - Condition A...

#117 Crack

Status Open

Issue

Туре

Created

Jun 29, 2021 9:40 PM joey.diserafino@kimley-

90

horn.com

# Kimley » Horn

#### Sheet Level 4



Schedule Impact 6 days



Joey DiSerafino Jun 29, 2021 7:40 PM

Photos

#### #118 Crack

Status Open

Туре

Issue

Created

Jun 29, 2021 9:40 PM joey.diserafino@kimley-

horn.com

Sheet Level 4



Schedule Impact 3 days

#### Photos



Prepared by Matt Sumpter 93 Created with PlanGrid

### #119 ADA compliance

Status Created Jun 29, 2021 9:41 PM Open joey.diserafino@kimley-

horn.com Type

Issue

Description

Low sign and bollard in access aisle

Sheet Level 4



#### Photos



20210629\_194912\_pho Joey DiSerafino Jun 29, 2021 7:49 PM



Prepared by Matt Sumpter 94 Created with PlanGrid

Market Street Parking Garage - Condition A...



#### #120 Joint sealant / CJ

Status

Open

Туре Issue

#### Created

Jun 29, 2021 9:41 PM joey.diserafino@kimleyhorn.com



Schedule Impact 6 days

Sheet



20210629\_194239\_photo Joey DiSerafino Jun 29, 2021 7:42 PM

20210629\_194227\_phot Joey DiSerafino Jun 29, 2021 7:42 PM

Market Street Parking Garage - Condition A...



### #121 Spall / Delamination / Exposed Rebar

Status Open Created Jun 29, 2021 9:41 PM joey.diserafino@kimley-

Type

Issue

Description 3 patches failed Sheet Level 4

horn.com



Schedule Impact 13 days



20210629\_194337\_photo Joey DiSerafino Jun 29, 2021 7:43 PM



20210629\_194329\_photo Joey DiSerafino Jun 29, 2021 7:43 PM

Prepared by Matt Sumpter 95 Created with PlanGrid Prepared by Matt Sumpter 96 Created with PlanGrid



#### **#122 Structural**

Status Open

Created

Jun 29, 2021 9:44 PM joey.diserafino@kimley-

horn.com

Туре Issue

Description Corroded brick lintel

Sheet Level 4



#### Photos





20210629\_194439\_photo Joey DiSerafino Jun 29, 2021 7:44 PM

20210629\_194428\_photo Joey DiSerafino Jun 29, 2021 7:44 PM

Prepared by Matt Sumpter

97

Created with PlanGrid

### Market Street Parking Garage - Condition A...

#123 Joint sealant / CJ Status

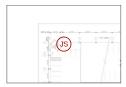
Open

Created Jun 29, 2021 9:45 PM joey.diserafino@kimley-

horn.com

Type Issue





Kimley»Horn

#### Photos





20210629\_194607\_photo Joey DiSerafino Jun 29, 2021 7:46 PM

20210629\_194556\_photo Joey DiSerafino Jun 29, 2021 7:45 PM

Prepared by Matt Sumpter 98 Created with PlanGrid

Market Street Parking Garage - Condition A...



# #124 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 9:45 PM joey.diserafino@kimley-

horn.com

Туре Issue

Sheet Level 4



Schedule Impact 5 days

# #125 Crack

Market Street Parking Garage - Condition A...

Status Open

Created Jun 29, 2021 9:45 PM joey.diserafino@kimley-

Type

Issue

Sheet Level 4

horn.com

CR

Kimley » Horn

# Photos



20210629\_194727\_photo Joey DiSerafino Jun 29, 2021 7:47 PM

Photos



20210629\_195118\_photo Joey DiSerafino Jun 29, 2021 7:51 PM

99 Created with PlanGrid Prepared by Matt Sumpter 100 Created with PlanGrid Prepared by Matt Sumpter



## #126 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 9:45 PM joey.diserafino@kimleyhorn.com

Type

Description

Anchor rods at light pole corroded

#### Sheet Level 4



#### Photos



20210629\_195244\_phot Joey DiSerafino Jun 29, 2021 7:52 PM



Market Street Parking Garage - Condition A...

# #127 Crack

Status Open

Created

Jun 29, 2021 9:45 PM joey.diserafino@kimleyhorn.com

Type Issue Sheet Level 4



Kimley»Horn

Schedule Impact 7 days

#### Photos



20210629\_195333\_photo Joey DiSerafino Jun 29, 2021 7:53 PM

Prepared by Matt Sumpter 101 Created with PlanGrid

Market Street Parking Garage - Condition A...

# Kimley » Horn

### #128 Spall / Delamination / Exposed Rebar

Status

Open

Created Jun 29, 2021 9:56 PM joey.diserafino@kimleyhorn.com

Туре Issue

Sheet Level 4



Schedule Impact 5 days

## Photos



20210629\_195501\_photo Joey DiSerafino Jun 29, 2021 7:55 PM

Market Street Parking Garage - Condition A...

# Kimley»Horn

Created with PlanGrid

#### #129 Operational

Prepared by Matt Sumpter

Status

Open

Created Jun 29, 2021 9:56 PM joey.diserafino@kimleyhorn.com

102

Type

Issue

Description

Bollard caps missing

#### Sheet Level 4



### Photos



20210629\_195658\_photo Joey DiSerafino Jun 29, 2021 7:56 PM

103 Created with PlanGrid Prepared by Matt Sumpter

104 Created with PlanGrid Prepared by Matt Sumpter



#### #130 Joint sealant / CJ

Status Open

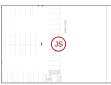
Created

Jun 29, 2021 9:56 PM joey.diserafino@kimley-

horn.com

Туре Issue

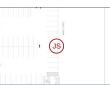
Sheet Level 4



#### Photos



20210629\_195836\_photo Joey DiSerafino Jun 29, 2021 7:58 PM



Schedule Impact 3 days

# Photos

Status

Open

Туре

Issue Description

Delamination, large area



Market Street Parking Garage - Condition A...

#131 Spall / Delamination / Exposed Rebar

Created

horn.com

Jun 29, 2021 9:56 PM

joey.diserafino@kimley-

20210629\_200023\_photo Joey DiSerafino Jun 29, 2021 8:00 PM

Prepared by Matt Sumpter

Prepared by Matt Sumpter 105 Created with PlanGrid

106

Created with PlanGrid

Kimley»Horn

Kimley»Horn

Sheet

Level 4

Schedule Impact

a year

Market Street Parking Garage - Condition A...



### #132 Spall / Delamination / Exposed Rebar

horn.com

Status

Created Open Jun 29, 2021 9:56 PM joey.diserafino@kimley-

Туре

Issue

#### Description

Typical parapet edge spall at column

# Sheet



Schedule Impact 4 days



20210629\_200310\_photo Joey DiSerafino Jun 29, 2021 8:03 PM

# Market Street Parking Garage - Condition A...

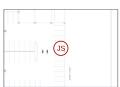
# #133 Joint sealant / CJ

Status Open

Created Jun 29, 2021 9:56 PM joey.diserafino@kimleyhorn.com Type

Issue

### Sheet Level 4



Schedule Impact 5 days

#### Photos



20210629\_200352\_photo Joey DiSerafino Jun 29, 2021 8:03 PM

107 Created with PlanGrid 108 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter



#### #134 Crack

Status Open

Туре

Issue

Created

Jun 29, 2021 9:56 PM joey.diserafino@kimleyhorn.com

Sheet



8 days

#### Photos



20210629\_200430\_photo Joey DiSerafino Jun 29, 2021 8:04 PM

Level 4



Schedule Impact

#### Photos

Status

Open

Type

Issue



Market Street Parking Garage - Condition A...

#135 Spall / Delamination / Exposed Rebar

Created

horn.com

Jun 29, 2021 9:56 PM

joey.diserafino@kimley-

20210629\_200512\_photo Joey DiSerafino Jun 29, 2021 8:05 PM

Prepared by Matt Sumpter

Prepared by Matt Sumpter

Created with PlanGrid

Kimley»Horn

Created with PlanGrid

Market Street Parking Garage - Condition A...



Sheet

### #136 Spall / Delamination / Exposed Rebar

Status Open

Туре

Issue

Created Jun 29, 2021 9:56 PM joey.diserafino@kimleyhorn.com

109



Schedule Impact 15 days

#### Photos



20210629\_200630\_photo Joey DiSerafino Jun 29, 2021 8:06 PM

# Market Street Parking Garage - Condition A...

# #138 Spall / Delamination / Exposed Rebar

Status Open Created Jun 29, 2021 9:57 PM joey.diserafino@kimleyhorn.com

110

112

Type Issue Sheet Level 4



Created with PlanGrid

Schedule Impact 3 days



20210629\_201004\_photo Joey DiSerafino Jun 29, 2021 8:10 PM

111 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter

Sheet Level 4



Schedule Impact

4 days



#### #139 Joint sealant / CJ

Status Open

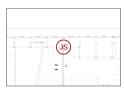
Created

Jun 29, 2021 9:57 PM joey.diserafino@kimleyhorn.com

Type

Issue

Sheet Level 4



Kimley » Horn

Schedule Impact 4 days

#### Photos



20210629\_201237\_photo Joey DiSerafino Jun 29, 2021 8:12 PM

Market Street Parking Garage - Condition A...

# Kimley»Horn

#### #140 Crack

Status Open

Created

Jun 29, 2021 9:57 PM joey.diserafino@kimley-

horn.com

Type Issue

Description Spider cracking at columns typ of 3 columns

### Photos



20210629\_201525\_phot Joey DiSerafino Jun 29, 2021 8:15 PM



Sheet

Level 4

20210629\_201516\_photo Joey DiSerafino Jun 29, 2021 8:15 PM

Prepared by Matt Sumpter 113 Created with PlanGrid

Market Street Parking Garage - Condition A...



Market Street Parking Garage - Condition A...

Kimley»Horn

Created with PlanGrid

# #235 Traffic coating

Prepared by Matt Sumpter

Status Open

Created Jun 30, 2021 10:00 AM

114

Type

Issue

Sheet Level 4

matt.sumpter@kimleyhorn.com

Schedule Impact 4 days

## Photos



20210630\_100047\_photo Matt Sumpter Jun 30, 2021 10:00 AM

115 Created with PlanGrid Prepared by Matt Sumpter 116 Created with PlanGrid Prepared by Matt Sumpter



## #300 Spall / Delamination / Exposed Rebar

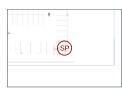
Status Open

Created

Jun 30, 2021 4:20 PM joey.diserafino@kimleyhorn.com

Туре Issue

Sheet Level 4



Schedule Impact 10 days

#### Photos



20210630\_094715\_photo Joey DiSerafino Jun 30, 2021 9:47 AM

Market Street Parking Garage - Condition A...

### #301 Safety items

Status Open

Created

Jun 30, 2021 4:20 PM joey.diserafino@kimley-

horn.com

Type Issue

Description

34.5" height and rail spacing

#### Photos



Prepared by Matt Sumpter 117 Created with PlanGrid Prepared by Matt Sumpter

Created with PlanGrid

Kimley»Horn

Sheet

Level 4

Market Street Parking Garage - Condition A...



### #302 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 30, 2021 4:20 PM joey.diserafino@kimley-

horn.com

Туре

Issue

Sheet Level 4



Photos



20210630\_094915\_photo Joey DiSerafino Jun 30, 2021 9:49 AM



20210630\_094902\_photo Joey DiSerafino Jun 30, 2021 9:49 AM

Market Street Parking Garage - Condition A...

#309 Safety items

Status Created Open Jun 30, 2021 4:21 PM

118

joey.diserafino@kimleyhorn.com

Type Issue

Description 34.5" height and rail spacing

Sheet

Level 4



Kimley»Horn



#### #310 Spall / Delamination / Exposed Rebar

Status Open

Туре

Issue

Created

Jun 30, 2021 4:21 PM joey.diserafino@kimley-

horn.com



Schedule Impact 4 days

Sheet

Level 4

#### Photos



20210630\_100041\_photo Joey DiSerafino Jun 30, 2021 10:00 AM

Prepared by Matt Sumpter 121 Created with PlanGrid

Market Street Parking Garage - Condition A...

#### #57 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 8:18 PM matt.sumpter@kimleyhorn.com

Type Issue Sheet Level 3



Kimley»Horn

Schedule Impact 5 days

#### Photos



20210629\_201850\_ph Matt Sumpter Jun 29, 2021 8:18 PM

Prepared by Matt Sumpter 122 Created with PlanGrid

Market Street Parking Garage - Condition A...

# Kimley » Horn

# #59 Spall / Delamination / Exposed Rebar

Status Open

Туре

Issue

Created Jun 29, 2021 8:19 PM matt.sumpter@kimley-

horn.com

Sheet Level 3



Schedule Impact a day

Market Street Parking Garage - Condition A...



#### #60 Spall / Delamination / Exposed Rebar

Status Open Created Jun 29, 2021 8:21 PM matt.sumpter@kimley-

horn.com

Type

Issue

Sheet Level 3



Schedule Impact a day

## Photos



20210629\_202116\_photo Matt Sumpter Jun 29, 2021 8:21 PM

123 Created with PlanGrid Prepared by Matt Sumpter

Prepared by Matt Sumpter 124 Created with PlanGrid



#### #61 Vehicular restraint

Status Open Created

Jun 29, 2021 8:23 PM matt.sumpter@kimley-

Type Issue horn.com

#### Description

Openings are greater than 4 inches wide for pedestrian restraint

#### Photos



20210629\_202333\_photo Matt Sumpter Jun 29, 2021 8:23 PM

Sheet Level 3



#### 2 6



20210629\_202407\_phot Adam Cochran

Prepared by Matt Sumpter

125

Created with PlanGrid

Kimley » Horn

Prepared by Matt Sumpter

126

Market Street Parking Garage - Condition A...

546 East Market Street, Charlottesville, Virginia

# #63 Spall / Delamination / Exposed Rebar

Status Open Created
Jun 29, 2021 8:30 PM
matt.sumpter@kimleyhorn.com

Туре

Issue

Sheet



Schedule Impact 2 days

## Photos



20210629\_203101\_photo Matt Sumpter Jun 29, 2021 8:31 PM

#### Market Street Parking Garage - Condition A... 546 East Market Street, Charlottesville, Virginia

# #64 Crack

Status Open Created
Jun 29, 2021 8:31 PM
matt.sumpter@kimleyhorn.com

128

Type Issue

#### Sheet Level 3



Created with PlanGrid

Created with PlanGrid

Kimley » Horn

Schedule Impact 12 days

## Photos



20210629\_203149\_ph Matt Sumpter Jun 29, 2021 8:31 PM

Prepared by Matt Sumpter 127 Created with PlanGrid Prepared by Matt Sumpter

Created

Jun 29, 2021 8:23 PM adam.cochran@kimley-

horn.com

Market Street Parking Garage - Condition A...

#62 General

Status

Open

Type

Issue

Photos

Sheet Level 3



## #65 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 8:32 PM adam.cochran@kimley-

horn.com

Type Issue Level 3



#### Photos



# Sheet



#### Photos

Status

Open

Type

Issue



Market Street Parking Garage - Condition A...

Created

horn.com

Jun 29, 2021 8:33 PM

matt.sumpter@kimley-

#66 Joint sealant / CJ

20210629\_203314\_photo Matt Sumpter Jun 29, 2021 8:33 PM

Prepared by Matt Sumpter

129

Created with PlanGrid

Prepared by Matt Sumpter

130

Market Street Parking Garage - Condition A...



#### #67 Crack

Status Open

Created Jun 29, 2021 8:33 PM matt.sumpter@kimley-

horn.com

Туре

Issue

Sheet



Schedule Impact 5 days

# Market Street Parking Garage - Condition A...

#68 Spall / Delamination / Exposed Rebar

Status Open Created Jun 29, 2021 8:34 PM matt.sumpter@kimley-

horn.com

Type

Issue

Sheet Level 3



Created with PlanGrid

Kimley»Horn

Kimley»Horn

Sheet

Level 3

Schedule Impact 4 days

## Photos



20210629\_203342\_photo Matt Sumpter Jun 29, 2021 8:33 PM

## Photos



20210629\_203444\_photo Matt Sumpter Jun 29, 2021 8:34 PM

Created with PlanGrid 131 Prepared by Matt Sumpter 132 Created with PlanGrid Prepared by Matt Sumpter



## #69 Spall / Delamination / Exposed Rebar

Status Open

Type

Issue

Created

Jun 29, 2021 8:37 PM adam.cochran@kimley-

horn.com



#### Photos



#### Sheet Level 3



## Photos

#70 Crack

Status

Open

Type

Issue



Market Street Parking Garage - Condition A...

Created

horn.com

Jun 29, 2021 8:37 PM

matt.sumpter@kimley-

134

Prepared by Matt Sumpter

133

Created

horn.com

Jun 29, 2021 8:41 PM

adam.cochran@kimley-

Created with PlanGrid

Prepared by Matt Sumpter

Created with PlanGrid

Kimley»Horn

Sheet

Level 3

Schedule Impact a month

Market Street Parking Garage - Condition A...

# Kimley » Horn

### #71 Expansion joint

Status

Open Туре

Issue

## Description

Epoxy bonded joint horizontal; impregnated foam joint vertical

Photos

Sheet Level 3



Market Street Parking Garage - Condition A...





20210629\_204109\_photo Adam Cochran Jun 29, 2021 8:41 PM

135 Created with PlanGrid Prepared by Matt Sumpter 136 Created with PlanGrid Prepared by Matt Sumpter



## #72 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 8:41 PM matt.sumpter@kimleyhorn.com

Туре Issue

Sheet Level 3



Schedule Impact 2 days

#### Photos



20210629\_204148\_photo Matt Sumpter Jun 29, 2021 8:41 PM

#### #73 Spall / Delamination / Exposed Rebar

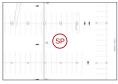
Market Street Parking Garage - Condition A...

Status Open

Created Jun 29, 2021 8:42 PM matt.sumpter@kimley-

horn.com

Type Issue Sheet Level 3



Kimley»Horn

Schedule Impact 2 days

#### Photos



20210629\_204226\_photo Matt Sumpter Jun 29, 2021 8:42 PM

Prepared by Matt Sumpter 137 Created with PlanGrid Prepared by Matt Sumpter 138 Created with PlanGrid

Market Street Parking Garage - Condition A...

Kimley » Horn

### #74 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 29, 2021 8:42 PM matt.sumpter@kimleyhorn.com

Туре Issue Sheet Level 3



Schedule Impact a day

Market Street Parking Garage - Condition A...

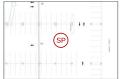


### #75 Spall / Delamination / Exposed Rebar

Status Open Created Jun 29, 2021 8:44 PM matt.sumpter@kimleyhorn.com

Type Issue Level 3

Sheet



Schedule Impact 3 days

## Photos



20210629\_204410\_photo Matt Sumpter Jun 29, 2021 8:44 PM

139 Created with PlanGrid 140 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter



## #76 Spall / Delamination / Exposed Rebar

Status Open

Туре

Issue

Created

Jun 29, 2021 8:44 PM adam.cochran@kimley-

horn.com

Level 3



#### Photos



# Sheet

# Photos

Status

Open

Type

Issue



Market Street Parking Garage - Condition A...

Created

horn.com

Jun 29, 2021 8:44 PM

matt.sumpter@kimley-

#77 Joint sealant / CJ

Prepared by Matt Sumpter 141 Created with PlanGrid

Prepared by Matt Sumpter

Created with PlanGrid

Kimley»Horn

Sheet

Level 3

Market Street Parking Garage - Condition A...



### #78 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 29, 2021 8:47 PM adam.cochran@kimleyhorn.com

Туре Issue Sheet Level 3



#### Photos



20210629\_204716\_photo Adam Cochran Jun 29, 2021 8:47 PM

Market Street Parking Garage - Condition A...

# Kimley » Horn

### #79 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 29, 2021 8:47 PM matt.sumpter@kimleyhorn.com

142

Type Issue

Schedule Impact 2 days

Sheet

Level 3

## Photos



20210629\_204746\_photo Matt Sumpter Jun 29, 2021 8:47 PM

143 Created with PlanGrid 144 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter



## #80 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 8:50 PM matt.sumpter@kimleyhorn.com

Туре

Issue

Level 3



Schedule Impact 2 days

#### Photos



20210629\_205039\_photo Matt Sumpter Jun 29, 2021 8:50 PM

Sheet



# Photos

Status

Open

Type

Issue



Market Street Parking Garage - Condition A...

#81 Spall / Delamination / Exposed Rebar

Created

horn.com

Jun 29, 2021 8:50 PM

adam.cochran@kimley-

Prepared by Matt Sumpter 146 Created with PlanGrid

Prepared by Matt Sumpter

145

Created with PlanGrid

Market Street Parking Garage - Condition A...

# Kimley » Horn

### #82 Spall / Delamination / Exposed Rebar

Status

Open

Туре Issue Created

Jun 29, 2021 8:51 PM matt.sumpter@kimley-

horn.com

Sheet Level 3



Schedule Impact 2 days

# Photos



20210629\_205155\_photo Matt Sumpter Jun 29, 2021 8:51 PM

Market Street Parking Garage - Condition A...

# #83 Spall / Delamination / Exposed Rebar

Status

Open Type

Issue

Created Jun 29, 2021 8:52 PM adam.cochran@kimleyhorn.com

# Sheet



Kimley»Horn

Kimley»Horn

Sheet

Level 3

Schedule Impact

22 days

#### Photos



20210629\_205228\_photo Adam Cochran Jun 29, 2021 8:52 PM

147 Created with PlanGrid 148 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter



## #84 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 8:53 PM matt.sumpter@kimleyhorn.com

Туре

Issue

Level 3



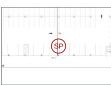
a day

#### Photos



20210629\_205311\_photo Matt Sumpter Jun 29, 2021 8:53 PM

Sheet



Schedule Impact

# Photos

Status

Open

Type

Issue



Market Street Parking Garage - Condition A...

#85 Spall / Delamination / Exposed Rebar

Created

horn.com

Jun 29, 2021 8:54 PM

adam.cochran@kimley-

20210629\_205427\_pho Adam Cochran Jun 29, 2021 8:54 PM

Prepared by Matt Sumpter 149 Created with PlanGrid

Kimley » Horn

#### #86 Operational

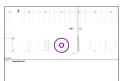
Market Street Parking Garage - Condition A...

Status Open

Created Jun 29, 2021 8:54 PM matt.sumpter@kimleyhorn.com

Туре Issue

Sheet Level 3



#### Photos



20210629\_205458\_photo Matt Sumpter Jun 29, 2021 8:54 PM

Market Street Parking Garage - Condition A...

# #87 Spall / Delamination / Exposed Rebar

150

Status Open

Prepared by Matt Sumpter

Created Jun 29, 2021 8:56 PM matt.sumpter@kimleyhorn.com

Type Issue Sheet Level 3



Created with PlanGrid

Kimley»Horn

Kimley»Horn

Sheet

Level 3

Schedule Impact a day

## Photos



20210629\_205644\_photo Matt Sumpter Jun 29, 2021 8:56 PM

151 Created with PlanGrid 152 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter



## #89 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 8:57 PM matt.sumpter@kimleyhorn.com

Туре

Issue

Level 3



2 days

#### Photos



20210629\_205747\_photo Matt Sumpter Jun 29, 2021 8:57 PM

# Sheet



Schedule Impact

Status

Open

Type

Issue

Photos

Market Street Parking Garage - Condition A...

#90 Spall / Delamination / Exposed Rebar

Created

horn.com

Jun 29, 2021 8:57 PM

adam.cochran@kimley-

Prepared by Matt Sumpter 153 Created with PlanGrid

Kimley » Horn

### #91 Spall / Delamination / Exposed Rebar

Market Street Parking Garage - Condition A...

Status

Open

Created Jun 29, 2021 8:58 PM matt.sumpter@kimleyhorn.com

Туре

Issue

Sheet



Schedule Impact 5 days

#### Photos



20210629\_205839\_photo Matt Sumpter Jun 29, 2021 8:58 PM

Level 3



#141 Joint sealant / CJ

Market Street Parking Garage - Condition A...

Prepared by Matt Sumpter

Status Open

Created Jun 29, 2021 9:57 PM joey.diserafino@kimleyhorn.com

Type Issue

#### Sheet Level 3

154



Created with PlanGrid

Kimley»Horn

Kimley»Horn

Sheet

Level 3

#### Photos



20210629\_201849\_pho Joey DiSerafino Jun 29, 2021 8:18 PM

155 Created with PlanGrid Prepared by Matt Sumpter

156 Created with PlanGrid Prepared by Matt Sumpter



#### #142 Crack

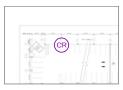
Status Open

Created

Jun 29, 2021 9:57 PM joey.diserafino@kimleyhorn.com

Туре Issue

Sheet Level 3



#### Photos



Joey DiSerafino Jun 29, 2021 8:19 PM



20210629\_201919\_photo Joey DiSerafino Jun 29, 2021 8:19 PM

Prepared by Matt Sumpter

157

Created with PlanGrid

Market Street Parking Garage - Condition A...

# Kimley»Horn

Sheet

Level 3

### #143 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 9:57 PM joey.diserafino@kimley-

horn.com

Type Issue

Description

Patch fail at trench drain header full width of bay x 2ft

### Photos



Prepared by Matt Sumpter 158 Created with PlanGrid

Market Street Parking Garage - Condition A...



### #144 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 29, 2021 9:57 PM joey.diserafino@kimley-

Туре

Issue

Description Failed patch

horn.com

Schedule Impact 7 days

Sheet

Level 3

#### Photos



20210629\_202139\_photo Joey DiSerafino Jun 29, 2021 8:21 PM

Market Street Parking Garage - Condition A...

# #145 Crack

Status Open

Created Jun 29, 2021 9:57 PM

Type

Issue

Sheet

joey.diserafino@kimleyhorn.com

Level 3



Kimley»Horn

Schedule Impact 4 days

#### Photos



20210629\_202323\_photo Joey DiSerafino Jun 29, 2021 8:23 PM

159 Created with PlanGrid Prepared by Matt Sumpter

160 Created with PlanGrid Prepared by Matt Sumpter



#### #146 Crack

Status Open

Type

Issue

Created

Jun 29, 2021 9:57 PM joey.diserafino@kimleyhorn.com

Sheet



10 days

#### Photos



20210629\_203059\_photo Joey DiSerafino Jun 29, 2021 8:31 PM





Schedule Impact

#### Photos

#147 Crack

Status

Open

Type

Issue



Market Street Parking Garage - Condition A...

Created

horn.com

Jun 29, 2021 9:57 PM

joey.diserafino@kimley-

20210629\_203341\_photo Joey DiSerafino Jun 29, 2021 8:33 PM

Prepared by Matt Sumpter 161 Created with PlanGrid

Prepared by Matt Sumpter

162 Created with PlanGrid

Kimley»Horn

Kimley»Horn

Sheet

Level 3

Schedule Impact

20 days

Market Street Parking Garage - Condition A...



#### #148 Crack

Status Open

Created Jun 29, 2021 9:57 PM joey.diserafino@kimleyhorn.com

Туре Issue Sheet



Schedule Impact 5 days

#### Photos



20210629\_203422\_photo Joey DiSerafino Jun 29, 2021 8:34 PM

Market Street Parking Garage - Condition A...

# #149 Crack

Status Open

Type Issue

Description 4 ft ea side

#### Sheet Jun 29, 2021 9:57 PM Level 3

joey.diserafino@kimleyhorn.com

Created

Schedule Impact 8 days

#### Photos



20210629\_203541\_phot Joey DiSerafino Jun 29, 2021 8:35 PM

163 Created with PlanGrid Prepared by Matt Sumpter 164 Created with PlanGrid Prepared by Matt Sumpter



#### #150 Crack

Status Open

Created

Jun 29, 2021 9:57 PM joey.diserafino@kimley-

horn.com

Туре Issue Level 3



#### Photos



20210629\_203701\_photo Joey DiSerafino Jun 29, 2021 8:37 PM

# Sheet



Schedule Impact 3 days





# Kimley»Horn

### #151 Waterproofing

Status Created

Market Street Parking Garage - Condition A...

Jun 29, 2021 9:57 PM Open joey.diserafino@kimleyhorn.com

Type

Issue

Description Ponding

Sheet Level 3



#### Photos





Prepared by Matt Sumpter 165 Created with PlanGrid Prepared by Matt Sumpter 166

Market Street Parking Garage - Condition A...



### #152 Spall / Delamination / Exposed Rebar

Status Open

Jun 29, 2021 9:58 PM joey.diserafino@kimley-

Туре Issue Created

horn.com

# Sheet



# Market Street Parking Garage - Condition A...



Created with PlanGrid

#### #153 Crack

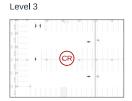
Status

Open Type

Issue

Created

Jun 29, 2021 9:58 PM joey.diserafino@kimleyhorn.com



Schedule Impact 7 years

Sheet

## Photos



20210629\_204008\_photo Joey DiSerafino Jun 29, 2021 8:40 PM

#### Photos



20210629\_204103\_photo Joey DiSerafino Jun 29, 2021 8:41 PM

Created with PlanGrid 167 Prepared by Matt Sumpter Prepared by Matt Sumpter



#### #154 Crack

Status Open

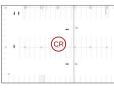
Туре

Issue

Created

Jun 29, 2021 9:58 PM joey.diserafino@kimleyhorn.com

Level 3



15 days

#### Photos



20210629\_204245\_photo Joey DiSerafino Jun 29, 2021 8:42 PM

Sheet



Schedule Impact

#### Photos

#155 Crack

Status

Open

Type

Issue



Market Street Parking Garage - Condition A...

Created

horn.com

Jun 29, 2021 9:58 PM

joey.diserafino@kimley-

20210629\_204319\_photo Joey DiSerafino Jun 29, 2021 8:43 PM

Prepared by Matt Sumpter 169

Market Street Parking Garage - Condition A...

Kimley » Horn

Created with PlanGrid

Kimley»Horn

Sheet

Level 3

Schedule Impact

15 days

Market Street Parking Garage - Condition A...



Created with PlanGrid

#### #156 Crack

Status Open

> Туре Issue

Created

Jun 29, 2021 9:58 PM joey.diserafino@kimleyhorn.com

Level 3

Schedule Impact 20 days

Sheet

#### Photos



20210629\_204531\_photo Joey DiSerafino Jun 29, 2021 8:45 PM



20210629\_204521\_photo Joey DiSerafino Jun 29, 2021 8:45 PM

#### #157 Crack

Prepared by Matt Sumpter

Status Open

Type Issue Created Jun 29, 2021 9:58 PM joey.diserafino@kimley-

170

horn.com

# Sheet



Schedule Impact 20 days

#### Photos



20210629\_204638\_photo Joey DiSerafino Jun 29, 2021 8:46 PM

171 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter



#### #158 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 29, 2021 9:58 PM joey.diserafino@kimleyhorn.com

Туре Issue Level 3



Schedule Impact 5 days

#### Photos



20210629\_204734\_photo Joey DiSerafino Jun 29, 2021 8:47 PM

# Sheet



#### Photos

#159 Crack

Status

Open

Type

Issue



Market Street Parking Garage - Condition A...

20210629\_204903\_photo Joey DiSerafino Jun 29, 2021 8:49 PM

Prepared by Matt Sumpter

174

Prepared by Matt Sumpter 173 Created with PlanGrid

Market Street Parking Garage - Condition A...

Kimley » Horn

# #160 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 29, 2021 9:58 PM joey.diserafino@kimleyhorn.com

Туре Issue

Sheet Level 3



Schedule Impact 3 days

# Photos



20210629\_204949\_photo Joey DiSerafino Jun 29, 2021 8:49 PM

# Market Street Parking Garage - Condition A...

# Kimley»Horn

Created with PlanGrid

### #161 Spall / Delamination / Exposed Rebar

Status Open

Type Issue

Description Failed patch and spall Created Sheet Jun 29, 2021 9:58 PM Level 3

joey.diserafino@kimleyhorn.com



Created with PlanGrid

Schedule Impact 7 days

#### Photos



20210629\_205035\_photo Joey DiSerafino Jun 29, 2021 8:50 PM

175 Created with PlanGrid 176 Prepared by Matt Sumpter Prepared by Matt Sumpter

Kimley»Horn

## Sheet

Level 3



Schedule Impact 20 days



Created

horn.com

Jun 29, 2021 9:58 PM

joey.diserafino@kimley-

20210629\_204847\_photo Joey DiSerafino Jun 29, 2021 8:48 PM



#### #162 Crack

Status Open

Type

Issue

Created Jun 29, 2021 9:58 PM joey.diserafino@kimleyhorn.com





Schedule Impact

#### Photos



20210629\_205422\_photo Joey DiSerafino Jun 29, 2021 8:54 PM

# Sheet



2 days

Market Street Parking Garage - Condition A...

Status

Open

Type

Issue

Photos

#163 Spall / Delamination / Exposed Rebar

Created

horn.com

Jun 29, 2021 9:58 PM

joey.diserafino@kimley-

20210629\_205533\_photo Joey DiSerafino Jun 29, 2021 8:55 PM

Prepared by Matt Sumpter 177 Created with PlanGrid

Market Street Parking Garage - Condition A...

# Kimley » Horn

Created with PlanGrid

Kimley»Horn

Sheet

Level 3

Schedule Impact

4 days

# #164 Crack

Market Street Parking Garage - Condition A...

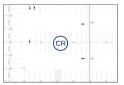
Status Open

Created Jun 29, 2021 9:58 PM joey.diserafino@kimleyhorn.com

Туре Issue

Description Leaching

Sheet Level 3



Kimley » Horn

## Photos



20210629\_205634\_photo Joey DiSerafino Jun 29, 2021 8:56 PM

Prepared by Matt Sumpter

#165 Crack Status Open

Type Issue Created

Jun 29, 2021 9:58 PM joey.diserafino@kimleyhorn.com

178

Sheet Level 3



Schedule Impact 8 days

## Photos



20210629\_205658\_photo Joey DiSerafino Jun 29, 2021 8:57 PM

Created with PlanGrid 179 Prepared by Matt Sumpter 180 Created with PlanGrid Prepared by Matt Sumpter



#### #166 Joint sealant / CJ

Status Open

Created

Jun 29, 2021 9:58 PM joey.diserafino@kimleyhorn.com

Туре Issue

Description

No sealant at patches

Sheet Level 3



Schedule Impact 12 days

#### Photos



20210629\_205755\_photo Joey DiSerafino Jun 29, 2021 8:57 PM



Market Street Parking Garage - Condition A...

## #167 Structural

Status Open

Created

Jun 29, 2021 9:58 PM joey.diserafino@kimleyhorn.com

Type Issue Sheet Level 3



Kimley»Horn

#### Photos



20210629\_210116\_photo Joey DiSerafino Jun 29, 2021 9:01 PM

Prepared by Matt Sumpter 181 Created with PlanGrid Prepared by Matt Sumpter

Created with PlanGrid

Market Street Parking Garage - Condition A...



#### #168 Corrosion of metals

Status Open

Created Jun 30, 2021 8:07 AM

matt.sumpter@kimleyhorn.com Туре

Issue

Sheet Level 3



#### Photos



20210630\_080303\_photo Matt Sumpter Jun 30, 2021 8:03 AM

Market Street Parking Garage - Condition A...



#### #170 Crack

Status Open Created Jun 30, 2021 8:07 AM matt.sumpter@kimleyhorn.com

182

Type Issue

Description

Hairline cracks in beam

Sheet Level 3



Schedule Impact 5 days

## Photos



20210630\_080452\_photo Matt Sumpter Jun 30, 2021 8:04 AM

183 Created with PlanGrid 184 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter



#### #171 Crack

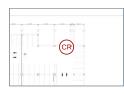
Status Open

Created

Jun 30, 2021 8:07 AM matt.sumpter@kimleyhorn.com

Туре Issue

Sheet Level 3



Schedule Impact 5 days

#### Photos



20210630\_080757\_photo Matt Sumpter Jun 30, 2021 8:07 AM

#### #172 Crack

Market Street Parking Garage - Condition A...

Status Open

Created

Jun 30, 2021 8:09 AM matt.sumpter@kimleyhorn.com

Type Issue



Sheet

Kimley»Horn

Schedule Impact 5 days

#### Photos



20210630\_080938\_photo Matt Sumpter Jun 30, 2021 8:09 AM

Prepared by Matt Sumpter

185

Created with PlanGrid

Prepared by Matt Sumpter

Market Street Parking Garage - Condition A...

Created with PlanGrid

Market Street Parking Garage - Condition A...



# #244 Signage

Status Open

Created Jun 30, 2021 11:16 AM matt.sumpter@kimley-

Туре

Issue

Sheet Level 3

horn.com



# #246 Spall / Delamination / Exposed Rebar

Status Open Created Jun 30, 2021 4:16 PM joey.diserafino@kimley-

horn.com

186

Туре

Issue

Sheet Level 3



Kimley»Horn

Schedule Impact 4 days

### Photos



20210630\_111637\_photo Matt Sumpter Jun 30, 2021 11:16 AM

#### Photos



Jun 30, 2021 8:04 AM

187 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter



### #249 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 30, 2021 4:16 PM joey.diserafino@kimley-

Туре

Description Next to patch

#### Sheet Level 3



#### Photos



## horn.com



Prepared by Matt Sumpter 189 #251 Crack

Market Street Parking Garage - Condition A...

Type Issue

Status

Open

Created

Jun 30, 2021 4:16 PM joey.diserafino@kimleyhorn.com

Sheet

Level 3

Schedule Impact 20 days

Kimley»Horn

#### Photos



20210630\_080729\_photo Joey DiSerafino Jun 30, 2021 8:07 AM

Created with PlanGrid Prepared by Matt Sumpter 190 Created with PlanGrid

Market Street Parking Garage - Condition A...



#### #254 Crack

Status Open

Created Jun 30, 2021 4:16 PM joey.diserafino@kimleyhorn.com

Туре Issue Sheet Level 3



Schedule Impact 4 days

# Market Street Parking Garage - Condition A...



# #255 Crack

Status Open Created Jun 30, 2021 4:16 PM

Туре Issue

joey.diserafino@kimleyhorn.com



Sheet

## Photos



20210630\_081028\_photo Joey DiSerafino Jun 30, 2021 8:10 AM

#### Photos



20210630\_080944\_photo Joey DiSerafino Jun 30, 2021 8:09 AM

Created with PlanGrid 191 Prepared by Matt Sumpter 192 Created with PlanGrid Prepared by Matt Sumpter



#### #256 Crack

Status Open

Created

Jun 30, 2021 4:16 PM joey.diserafino@kimleyhorn.com

Туре Issue

Description

Crack was routed but not sealed

Level 3



5 days

#### Photos



20210630\_081104\_photo Joey DiSerafino Jun 30, 2021 8:11 AM

Sheet



Schedule Impact



Market Street Parking Garage - Condition A...

Created

horn.com

Jun 30, 2021 4:16 PM

joey.diserafino@kimley-

#257 Crack

Status

Open

Type

Issue

20210630\_081147\_photo Joey DiSerafino Jun 30, 2021 8:11 AM

Prepared by Matt Sumpter 193 Created with PlanGrid

Prepared by Matt Sumpter

Created with PlanGrid

Kimley»Horn

Sheet

Level 3

Schedule Impact 5 days

Market Street Parking Garage - Condition A...

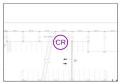


#### #259 Crack

Status Open

Created Jun 30, 2021 4:17 PM joey.diserafino@kimleyhorn.com

Туре Issue Sheet Level 3



## Photos



20210630\_081437\_photo Joey DiSerafino Jun 30, 2021 8:14 AM

Market Street Parking Garage - Condition A...



# #260 Crack

Status Open

Туре Issue Created Jun 30, 2021 4:17 PM joey.diserafino@kimley-

194

horn.com



Schedule Impact 6 days

Sheet

#### Photos



20210630\_081542\_photo Joey DiSerafino Jun 30, 2021 8:15 AM

195 Created with PlanGrid Prepared by Matt Sumpter 196 Created with PlanGrid Prepared by Matt Sumpter



### #303 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 30, 2021 4:20 PM joey.diserafino@kimley-

horn.com

Type Issue

Description 4 locations





#### Photos



20210630\_095126\_pho Joey DiSerafino Jun 30, 2021 9:51 AM



20210630\_095057\_ph Joey DiSerafino Jun 30, 2021 9:50 AM

Market Street Parking Garage - Condition A...



20210630\_095045\_phot Joey DiSerafino Jun 30, 2021 9:50 AM



20210630\_095032\_photo Joey DiSerafino Jun 30, 2021 9:50 AM

Prepared by Matt Sumpter

197

Created with PlanGrid

Prepared by Matt Sumpter

198

Created with PlanGrid

Kimley»Horn

Market Street Parking Garage - Condition A...



### #304 Spall / Delamination / Exposed Rebar

Status Open

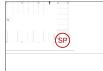
Created Jun 30, 2021 4:20 PM

Туре

Issue

Sheet Level 3

joey.diserafino@kimleyhorn.com



Schedule Impact 10 days

#### Photos





20210630\_095222\_photo Joey DiSerafino Jun 30, 2021 9:52 AM

Market Street Parking Garage - Condition A...



199 Created with PlanGrid Prepared by Matt Sumpter 200 Created with PlanGrid Prepared by Matt Sumpter



### #305 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 30, 2021 4:20 PM joey.diserafino@kimleyhorn.com

Type Issue

Level 3



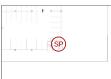
#### Photos



20210630\_095341\_photo Joey DiSerafino Jun 30, 2021 9:53 AM

Prepared by Matt Sumpter

Sheet



Schedule Impact 5 days



Kimley»Horn

#311 Crack

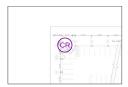
Status Created Open

Market Street Parking Garage - Condition A...

Jun 30, 2021 4:21 PM joey.diserafino@kimley-

horn.com

Type Issue Sheet Level 3



#### Photos



202

Market Street Parking Garage - Condition A...



Created with PlanGrid

# #316 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 30, 2021 4:21 PM joey.diserafino@kimleyhorn.com

201

Туре Issue

Sheet Level 3



Schedule Impact 3 days

Market Street Parking Garage - Condition A...

Prepared by Matt Sumpter



Created with PlanGrid

#### #5 Structural

Status Open

Created Jun 29, 2021 7:16 PM adam.cochran@kimleyhorn.com

Туре Issue





### Photos



20210629\_191649\_photo Adam Cochran Jun 29, 2021 7:16 PM

203 Created with PlanGrid Prepared by Matt Sumpter 204 Created with PlanGrid Prepared by Matt Sumpter



Market Street Parking Garage - Condition A...

# Kimley»Horn

# #92 Lighting

Status Open

Type

1.8 fc

Description

Created

horn.com

Jun 29, 2021 9:06 PM adam.cochran@kimley-

Sheet Level 2



#93 Lighting

Status Open

Created Jun 29, 2021 9:06 PM adam.cochran@kimley-

Type Issue Description

2.7 fc

horn.com

Sheet

Level 2

Prepared by Matt Sumpter 205 Created with PlanGrid

206

Created with PlanGrid

Market Street Parking Garage - Condition A...



# #94 Lighting

Status Open

Туре Issue

Description 1.4 fc

Created

Jun 29, 2021 9:06 PM adam.cochran@kimleyhorn.com

Sheet Level 2



Market Street Parking Garage - Condition A...

# Kimley»Horn

# #95 Lighting

Prepared by Matt Sumpter

Status Open

Type Issue

Description 16 fc ditectly under light

Sheet Created Jun 29, 2021 9:07 PM Level 2 adam.cochran@kimley-

horn.com



Created with PlanGrid



# #96 Lighting

Status Open

Description

3.9 fc between 4 lights

Created

Jun 29, 2021 9:08 PM adam.cochran@kimleyhorn.com

Туре Issue

Sheet Level 2



Market Street Parking Garage - Condition A...

# Kimley»Horn

# #97 Lighting

Status Open

Created

Jun 29, 2021 9:08 PM adam.cochran@kimleyhorn.com

Type Issue

Description 6.5 fc between 4 lights Sheet Level 2



Prepared by Matt Sumpter 209 Created with PlanGrid Prepared by Matt Sumpter

Created with PlanGrid

210

Market Street Parking Garage - Condition A...



# #98 Lighting

Status Open

Created Jun 29, 2021 9:09 PM adam.cochran@kimleyhorn.com

Туре Issue

Description 18.6fc directly under Sheet Level 2



Market Street Parking Garage - Condition A...



# #99 General

Status Open

Created Jun 29, 2021 9:09 PM adam.cochran@kimleyhorn.com Type

Issue

Description Lighting uniformity Sheet Level 2



# Photos



20210629\_210959\_photo Adam Cochran Jun 29, 2021 9:09 PM



# #101 Lighting

Status Open

Туре

4.9 fc

Created

Jun 29, 2021 9:11 PM adam.cochran@kimleyhorn.com

Description

Sheet Level 2



Market Street Parking Garage - Condition A...

# Kimley»Horn

# #102 Lighting

Status Open

Created

Jun 29, 2021 9:11 PM adam.cochran@kimleyhorn.com

Type Issue

Description 13.2 fc

Sheet Level 2



Prepared by Matt Sumpter 213 Created with PlanGrid Prepared by Matt Sumpter

Market Street Parking Garage - Condition A...

Created with PlanGrid

Kimley»Horn

Market Street Parking Garage - Condition A...



# #103 General

Status Open

Created Jun 29, 2021 9:11 PM adam.cochran@kimleyhorn.com

Туре Issue

Description Lighting uniformity

# Sheet Level 2



#173 Spall / Delamination / Exposed Rebar

Status Open

Type Issue Created Jun 30, 2021 8:15 AM matt.sumpter@kimleyhorn.com

214



Schedule Impact 2 days

Sheet

# Photos



20210629\_211210\_photo Adam Cochran Jun 29, 2021 9:12 PM

Photos



20210630\_081558\_photo Matt Sumpter Jun 30, 2021 8:16 AM

Created with PlanGrid 215 Prepared by Matt Sumpter 216 Created with PlanGrid Prepared by Matt Sumpter



# #174 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 30, 2021 8:16 AM matt.sumpter@kimleyhorn.com

Туре Issue

Sheet Level 2



a day

#### Photos



20210630\_081643\_photo Matt Sumpter Jun 30, 2021 8:16 AM



Schedule Impact

Created with PlanGrid

Kimley » Horn

Created with PlanGrid

Kimley»Horn

Sheet

Level 2

Schedule Impact

a month

Market Street Parking Garage - Condition A...



# #176 Painting

Prepared by Matt Sumpter

Status Open

Created Jun 30, 2021 8:21 AM matt.sumpter@kimley-

horn.com

217

Туре

Issue

Description

Yellow paint needed on face of curb

# Photos



20210630\_082131\_photo Matt Sumpter Jun 30, 2021 8:21 AM

Sheet Level 2



Market Street Parking Garage - Condition A...

Market Street Parking Garage - Condition A...

Created

horn.com

Jun 30, 2021 8:20 AM

matt.sumpter@kimley-

#175 Crack

Status

Open

Type

Issue

# #177 Spall / Delamination / Exposed Rebar

Status Open

Issue

Prepared by Matt Sumpter

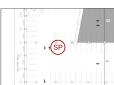
Type

Created Jun 30, 2021 8:22 AM matt.sumpter@kimley-

218

horn.com

Sheet Level 2



Schedule Impact a day

# Photos



20210630\_082220\_photo Matt Sumpter Jun 30, 2021 8:22 AM

219 Created with PlanGrid Prepared by Matt Sumpter

Prepared by Matt Sumpter 220 Created with PlanGrid



# #178 Spall / Delamination / Exposed Rebar

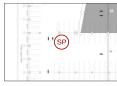
Status Open

Created

Jun 30, 2021 8:22 AM matt.sumpter@kimleyhorn.com

Туре Issue

Sheet Level 2



a day

#### Photos



20210630\_082254\_photo Matt Sumpter Jun 30, 2021 8:22 AM

Schedule Impact

Prepared by Matt Sumpter

Created with PlanGrid

Prepared by Matt Sumpter

221

Created with PlanGrid

Kimley » Horn

222

Kimley»Horn

Market Street Parking Garage - Condition A...

# #180 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 30, 2021 8:24 AM matt.sumpter@kimleyhorn.com

Туре Issue Sheet Level 2



Schedule Impact 4 days



20210630\_082451\_photo Matt Sumpter Jun 30, 2021 8:24 AM

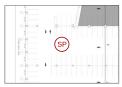
Market Street Parking Garage - Condition A...

# #181 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 30, 2021 8:26 AM matt.sumpter@kimleyhorn.com

Type Issue Sheet Level 2



Schedule Impact 4 days

# Photos



20210630\_082614\_photo Matt Sumpter Jun 30, 2021 8:26 AM

223 Created with PlanGrid 224 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter

Kimley»Horn

#### #179 Crack

Type

Issue

Status Open

Market Street Parking Garage - Condition A...

Jun 30, 2021 8:24 AM matt.sumpter@kimley-

Created

horn.com

Sheet Level 2

Schedule Impact 18 days



# #182 Spall / Delamination / Exposed Rebar

Status Open

Туре

Issue

Created

Jun 30, 2021 8:28 AM matt.sumpter@kimley-

horn.com

Sheet Level 2



Schedule Impact 20 days

Market Street Parking Garage - Condition A...

# Kimley»Horn

# #183 Expansion joint

Status Open

Created

Jun 30, 2021 8:30 AM matt.sumpter@kimley-

Туре Issue horn.com

Sheet

Level 2

Photos



20210630\_083046\_pl Matt Sumpter Jun 30, 2021 8:30 AM

Prepared by Matt Sumpter

225

Created with PlanGrid

Prepared by Matt Sumpter

226

Created with PlanGrid

Kimley»Horn

Market Street Parking Garage - Condition A...

#184 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 30, 2021 8:32 AM matt.sumpter@kimleyhorn.com

227

Туре

Issue

Description

Spalls over general area

# Kimley » Horn

# Sheet Level 2



Schedule Impact 15 days

Market Street Parking Garage - Condition A...

#185 Spall / Delamination / Exposed Rebar

Status Open Created Jun 30, 2021 8:35 AM matt.sumpter@kimleyhorn.com

Type

Issue

Sheet Level 2



Schedule Impact 2 days



20210630\_083313\_photo Matt Sumpter Jun 30, 2021 8:33 AM

# Photos



20210630\_083517\_photo Matt Sumpter Jun 30, 2021 8:35 AM

Created with PlanGrid

228 Prepared by Matt Sumpter



# #187 Painting

Status

Created

Jun 30, 2021 8:36 AM Open matt.sumpter@kimley-

Type

horn.com

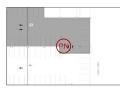
Description

Yellow paint needed on face of curb

#### Photos



Sheet Level 2



Status

Open

Туре Issue



Market Street Parking Garage - Condition A...

#188 Spall / Delamination / Exposed Rebar

Created

horn.com

Jun 30, 2021 8:38 AM

matt.sumpter@kimley-

Prepared by Matt Sumpter

229

Created with PlanGrid

Kimley » Horn

Prepared by Matt Sumpter

230

Created with PlanGrid

Kimley»Horn

Market Street Parking Garage - Condition A...

# #189 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 30, 2021 8:40 AM matt.sumpter@kimleyhorn.com

Туре

Issue

Sheet



Schedule Impact 10 days

# Photos



20210630\_084100\_photo Matt Sumpter Jun 30, 2021 8:41 AM

# Market Street Parking Garage - Condition A...

#191 Spall / Delamination / Exposed Rebar

Created Jun 30, 2021 8:42 AM matt.sumpter@kimley-

horn.com

Type Issue

Status

Open

# Sheet Level 2



Schedule Impact 4 days

# Photos



20210630\_084224\_photo Matt Sumpter Jun 30, 2021 8:42 AM

231 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter Kimley»Horn

Sheet Level 2



Schedule Impact 2 days



# #192 Spall / Delamination / Exposed Rebar

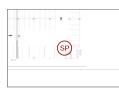
Status Open

Created

Jun 30, 2021 8:44 AM matt.sumpter@kimleyhorn.com

Туре Issue

Sheet Level 2



Schedule Impact 10 days

#### Photos



20210630\_084421\_photo Matt Sumpter Jun 30, 2021 8:44 AM

# #193 Operational

Market Street Parking Garage - Condition A...

Status Open

Created

Jun 30, 2021 8:45 AM

Туре Issue matt.sumpter@kimleyhorn.com



Sheet

Level 2

Kimley»Horn



Prepared by Matt Sumpter 233 Created with PlanGrid

234

Created with PlanGrid

Market Street Parking Garage - Condition A...



# #194 Spall / Delamination / Exposed Rebar

Status Open

Туре

Issue

Created

Jun 30, 2021 8:47 AM matt.sumpter@kimley-

horn.com

# Sheet Level 2



Schedule Impact 2 days

# Market Street Parking Garage - Condition A...



# #195 Spall / Delamination / Exposed Rebar

Status Open

Prepared by Matt Sumpter

Created Jun 30, 2021 8:47 AM matt.sumpter@kimley-

Type Issue horn.com

Sheet Level 2



Schedule Impact 2 days

# Photos



20210630\_084740\_photo Matt Sumpter Jun 30, 2021 8:47 AM



Matt Sumpter Jun 30, 2021 8:48 AM



# #196 Spall / Delamination / Exposed Rebar

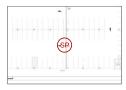
Status Open

Created

Jun 30, 2021 8:50 AM matt.sumpter@kimleyhorn.com

Туре Issue

Sheet Level 2



Schedule Impact a day

#### Photos



Prepared by Matt Sumpter

237

Created with PlanGrid

Kimley » Horn

# Market Street Parking Garage - Condition A...

# #197 Operational

Status Open

Created

Jun 30, 2021 8:52 AM matt.sumpter@kimley-

horn.com

Type Issue

Description

The bollard is loose and not anchored to the floor

#### Photos



# Sheet Level 2



Kimley»Horn

Prepared by Matt Sumpter 238 Created with PlanGrid

Market Street Parking Garage - Condition A ...

# #198 Spall / Delamination / Exposed Rebar

Status

Open Jun 30, 2021 8:54 AM Туре

Issue

Created

matt.sumpter@kimley-

horn.com

Sheet Level 2



Schedule Impact a day

# Market Street Parking Garage - Condition A...

# Kimley»Horn

# #199 Joint sealant / CJ

Status Open Created

Jun 30, 2021 8:55 AM matt.sumpter@kimleyhorn.com

Type Issue

Description

Old sealant in many previous spall repairs, typical

# Photos



Sheet Level 2



# Photos



20210630\_085420\_photo Matt Sumpter Jun 30, 2021 8:54 AM

239 Created with PlanGrid 240 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter



# #200 Operational

Status Open

Type

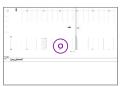
Issue

Created

Jun 30, 2021 9:00 AM matt.sumpter@kimley-

horn.com

Sheet Level 2



Market Street Parking Garage - Condition A...

# Kimley»Horn

#### #201 Corrosion of metals

Status Open

Created

Jun 30, 2021 9:05 AM matt.sumpter@kimleyhorn.com

Type Issue Level 2

Sheet



Schedule Impact 6 days

Photos



241

Prepared by Matt Sumpter 242 Created with PlanGrid

Market Street Parking Garage - Condition A...



Created with PlanGrid

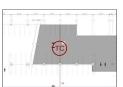
# #202 Traffic coating

Prepared by Matt Sumpter

Status Open

Created Jun 30, 2021 9:07 AM matt.sumpter@kimleyhorn.com

Туре Issue Sheet Level 2



Schedule Impact 4 days

# Market Street Parking Garage - Condition A...

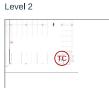


# #233 Traffic coating

Status Open

Created Jun 30, 2021 9:54 AM matt.sumpter@kimley-

Type Issue horn.com



Sheet

# Photos



20210630\_095430\_photo Matt Sumpter Jun 30, 2021 9:54 AM

# Photos



20210630\_090733\_photo Matt Sumpter Jun 30, 2021 9:07 AM

243 Created with PlanGrid Prepared by Matt Sumpter

Prepared by Matt Sumpter 244 Created with PlanGrid



# #236 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 30, 2021 10:02 AM matt.sumpter@kimleyhorn.com

Type Issue

Sheet Level 2



Schedule Impact 4 days

#### Photos



20210630\_100230\_photo Matt Sumpter Jun 30, 2021 10:02 AM



# Photos

Status

Open

Type

Issue



Market Street Parking Garage - Condition A...

#261 Spall / Delamination / Exposed Rebar

Created

horn.com

Jun 30, 2021 4:17 PM

joey.diserafino@kimley-

20210630\_081830\_photo Joey DiSerafino Jun 30, 2021 8:18 AM



Sheet

Level 2

Schedule Impact

2 months

Kimley»Horn

20210630\_081819\_photo Joey DiSerafino Jun 30, 2021 8:18 AM

Prepared by Matt Sumpter 245

Created with PlanGrid

Prepared by Matt Sumpter

246 Created with PlanGrid

Sheet

Market Street Parking Garage - Condition A...







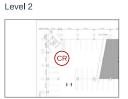
Market Street Parking Garage - Condition A...

# #262 Crack

Status Open

Created Jun 30, 2021 4:17 PM joey.diserafino@kimley-

Type Issue horn.com



Kimley»Horn

Schedule Impact 6 days

# Photos



20210630\_082037\_photo Joey DiSerafino Jun 30, 2021 8:20 AM

247 Created with PlanGrid Prepared by Matt Sumpter 248 Created with PlanGrid Prepared by Matt Sumpter



## #263 Crack

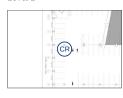
Status Open

Created

Jun 30, 2021 4:17 PM joey.diserafino@kimleyhorn.com

Туре Issue

Sheet Level 2



Schedule Impact 6 days

#### Photos



Market Street Parking Garage - Condition A...

# Kimley»Horn

#### #264 Crack

Status Open

Created Jun 30, 2021 4:17 PM joey.diserafino@kimley-

horn.com

Type Issue Sheet Level 2



Schedule Impact 6 days

#### Photos



20210630\_082302\_photo Joey DiSerafino Jun 30, 2021 8:23 AM

Prepared by Matt Sumpter 249 Created with PlanGrid Prepared by Matt Sumpter 250 Created with PlanGrid

Market Street Parking Garage - Condition A...

# Kimley » Horn

# #265 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 30, 2021 4:17 PM joey.diserafino@kimleyhorn.com

Туре Issue Sheet Level 2



Schedule Impact 4 days

# Photos



20210630\_082418\_photo Joey DiSerafino Jun 30, 2021 8:24 AM

Market Street Parking Garage - Condition A...



# #266 Spall / Delamination / Exposed Rebar

Status Open

Type Issue Created Jun 30, 2021 4:17 PM joey.diserafino@kimleyhorn.com



Schedule Impact a month

Sheet

# Photos



20210630\_082734\_photo Joey DiSerafino Jun 30, 2021 8:27 AM



20210630\_082535\_photo Joey DiSerafino Jun 30, 2021 8:25 AM

251 Created with PlanGrid 252 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter



# #267 Spall / Delamination / Exposed Rebar

Status Open Туре

Issue

Created

Jun 30, 2021 4:17 PM joey.diserafino@kimleyhorn.com

# Level 2



#### Photos



20210630\_082822\_photo Joey DiSerafino Jun 30, 2021 8:28 AM

# Sheet



Schedule Impact 3 days

#### Photos

#268 Crack

Status

Open

Type

Issue



Market Street Parking Garage - Condition A...

Created

horn.com

Jun 30, 2021 4:17 PM

joey.diserafino@kimley-

20210630\_082918\_photo Joey DiSerafino Jun 30, 2021 8:29 AM

Prepared by Matt Sumpter

Prepared by Matt Sumpter 253 Created with PlanGrid

254

Created with PlanGrid

Kimley»Horn

Kimley»Horn

Sheet

Level 2

Schedule Impact

a month

Market Street Parking Garage - Condition A...



# #269 Crack

Status Open

Created Jun 30, 2021 4:17 PM joey.diserafino@kimleyhorn.com

Туре Issue Sheet Level 2



Schedule Impact 25 days

### Photos



20210630\_083000\_photo Joey DiSerafino Jun 30, 2021 8:30 AM

# Market Street Parking Garage - Condition A...

# #270 Spall / Delamination / Exposed Rebar

Status Open Created Jun 30, 2021 4:17 PM joey.diserafino@kimleyhorn.com

Type Issue

# Sheet Level 2



Schedule Impact 4 days



20210630\_083030\_photo Joey DiSerafino Jun 30, 2021 8:30 AM

255 Created with PlanGrid 256 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter



## #271 Crack

Status Open

Created

Jun 30, 2021 4:18 PM joey.diserafino@kimleyhorn.com

Туре Issue

Sheet Level 2

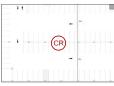


8 days

#### Photos



Joey DiSerafino Jun 30, 2021 8:31 AM



Schedule Impact

# Photos



Prepared by Matt Sumpter 257 Created with PlanGrid

258

Created with PlanGrid

Kimley»Horn

Market Street Parking Garage - Condition A...



# #273 Spall / Delamination / Exposed Rebar

horn.com

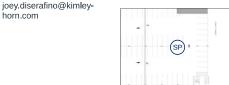
Status

Created Open

Туре

Issue

Sheet Jun 30, 2021 4:18 PM Level 2



Schedule Impact 6 days

### Photos



20210630\_083634\_photo Joey DiSerafino Jun 30, 2021 8:36 AM

# Market Street Parking Garage - Condition A...



Prepared by Matt Sumpter

Status

#274 Crack

Open Type

Issue

Created Jun 30, 2021 4:18 PM joey.diserafino@kimley-

horn.com

Sheet Level 2



Schedule Impact 5 days

# Photos



20210630\_083659\_photo Joey DiSerafino Jun 30, 2021 8:37 AM

259 Created with PlanGrid 260 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter

Kimley»Horn

# #272 Operational

Status Created

Market Street Parking Garage - Condition A...

Jun 30, 2021 4:18 PM Open joey.diserafino@kimley-

horn.com Type

Issue

Description Rusted bollards

# Sheet Level 2





# #275 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 30, 2021 4:18 PM joey.diserafino@kimley-

Type

horn.com

Issue

Description

General area at patches, multiple locations

#### Sheet Level 2



#### Photos



20210630\_084044\_pho Joey DiSerafino Jun 30, 2021 8:40 AM



Prepared by Matt Sumpter 261 Created with PlanGrid Market Street Parking Garage - Condition A...



20210630\_084012\_photo Joey DiSerafino Jun 30, 2021 8:40 AM



Kimley»Horn

20210630\_083954\_photo Joey DiSerafino Jun 30, 2021 8:39 AM

Prepared by Matt Sumpter 262 Created with PlanGrid

Market Street Parking Garage - Condition A...



# #276 Crack

Status

Created Open Jun 30, 2021 4:18 PM horn.com Туре

Issue

Sheet

joey.diserafino@kimley-



Schedule Impact 4 days

Level 2

# Photos



20210630\_084156\_photo Joey DiSerafino Jun 30, 2021 8:41 AM

Market Street Parking Garage - Condition A...



# #277 Spall / Delamination / Exposed Rebar

Status Open Created Jun 30, 2021 4:18 PM joey.diserafino@kimley-

horn.com

Type

Issue

Description

Misc areas around patches and a couple failed patches Sheet Level 2



Schedule Impact a month



20210630\_084437\_photo Joey DiSerafino Jun 30, 2021 8:44 AM



20210630\_084426\_photo Joey DiSerafino Jun 30, 2021 8:44 AM

263 Created with PlanGrid Prepared by Matt Sumpter

Created with PlanGrid Prepared by Matt Sumpter 264







20210630\_084414\_photo Joey DiSerafino Jun 30, 2021 8:44 AM

20210630\_084403\_phot Joey DiSerafino Jun 30, 2021 8:44 AM

# Market Street Parking Garage - Condition A...

Kimley»Horn

# #278 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 30, 2021 4:18 PM joey.diserafino@kimley-

horn.com

Type Issue



Schedule Impact 6 days

Sheet

Level 2

#### Photos



20210630\_084539\_photo Joey DiSerafino Jun 30, 2021 8:45 AM

Prepared by Matt Sumpter 265 Prepared by Matt Sumpter 266 Created with PlanGrid

Market Street Parking Garage - Condition A...

Kimley»Horn

# #279 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 30, 2021 4:18 PM joey.diserafino@kimley-

horn.com

Туре

Issue

Sheet Level 2



Created with PlanGrid

Schedule Impact 7 days

# Photos



20210630\_084648\_photo Joey DiSerafino Jun 30, 2021 8:46 AM

Market Street Parking Garage - Condition A...



# #280 Spall / Delamination / Exposed Rebar

Status Open Created Jun 30, 2021 4:18 PM joey.diserafino@kimley-

horn.com

Туре

Issue

Sheet Level 2



Schedule Impact 8 days

# Photos



20210630\_084900\_photo Joey DiSerafino Jun 30, 2021 8:49 AM



20210630\_084854\_photo Joey DiSerafino Jun 30, 2021 8:48 AM



# #281 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 30, 2021 4:18 PM joey.diserafino@kimleyhorn.com

Туре

Issue

Description

Multiple areas around patches

#### Sheet Level 2



Schedule Impact 2 months

# Photos



20210630\_085135\_photo Joey DiSerafino Jun 30, 2021 8:51 AM



20210630\_085123\_photo Joey DiSerafino Jun 30, 2021 8:51 AM

Prepared by Matt Sumpter

269

Created with PlanGrid

Prepared by Matt Sumpter

270

Created with PlanGrid

Market Street Parking Garage - Condition A...



# #282 Spall / Delamination / Exposed Rebar

Status

Open

Created Jun 30, 2021 4:19 PM joey.diserafino@kimley-

horn.com Туре

Issue



Schedule Impact

### Photos



20210630\_085321\_photo Joey DiSerafino Jun 30, 2021 8:53 AM

# Sheet





4 days

# Photos



20210630\_085352\_photo Joey DiSerafino Jun 30, 2021 8:53 AM

# Kimley»Horn



Market Street Parking Garage - Condition A...

20210630\_085053\_photo Joey DiSerafino Jun 30, 2021 8:50 AM

Kimley » Horn

# #283 Crack

Status Open

Market Street Parking Garage - Condition A...

Туре Issue Created Jun 30, 2021 4:19 PM joey.diserafino@kimley-

horn.com

# Sheet Level 2



Schedule Impact 8 days



## #284 Crack

Status Open

Туре

Issue

Created

Jun 30, 2021 4:19 PM joey.diserafino@kimleyhorn.com

Sheet Level 2



Schedule Impact a month

#### Photos



20210630\_085442\_photo Joey DiSerafino Jun 30, 2021 8:54 AM

# #285 Spall / Delamination / Exposed Rebar

Market Street Parking Garage - Condition A...

Status Open

Created

Jun 30, 2021 4:19 PM joey.diserafino@kimley-

Type

horn.com

Issue

Description Delamination next to patch Sheet Level 2



Kimley»Horn

Schedule Impact 5 days

#### Photos



20210630\_085556\_photo Joey DiSerafino Jun 30, 2021 8:55 AM



20210630\_085545\_photo Joey DiSerafino Jun 30, 2021 8:55 AM

Prepared by Matt Sumpter 273 Created with PlanGrid

Market Street Parking Garage - Condition A...



# #286 Crack

Status Open

Туре

Issue

Created Jun 30, 2021 4:19 PM joey.diserafino@kimleyhorn.com

Sheet Level 2



Schedule Impact 20 days

Market Street Parking Garage - Condition A...

Prepared by Matt Sumpter



Created with PlanGrid

# #287 Crack

Status Open

Туре Issue Created Jun 30, 2021 4:19 PM joey.diserafino@kimleyhorn.com

274



Schedule Impact 10 days

# Photos



20210630\_085722\_photo Joey DiSerafino Jun 30, 2021 8:57 AM

# Photos



20210630\_085912\_photo Joey DiSerafino Jun 30, 2021 8:59 AM

275 Created with PlanGrid 276 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter

Sheet

Level 2



## #288 Crack

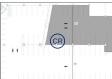
Status Open

Created

Jun 30, 2021 4:19 PM joey.diserafino@kimleyhorn.com

Туре Issue

Sheet Level 2



#### Photos



20210630\_090835\_phot Joey DiSerafino Jun 30, 2021 9:08 AM



#### Photos

Status

Open

Type

Issue



Market Street Parking Garage - Condition A...

#306 Spall / Delamination / Exposed Rebar

Created

horn.com

Jun 30, 2021 4:21 PM

joey.diserafino@kimley-

20210630\_095538\_photo Joey DiSerafino Jun 30, 2021 9:55 AM

Prepared by Matt Sumpter

277

Created with PlanGrid

Prepared by Matt Sumpter

278

Created with PlanGrid

Kimley » Horn

Kimley»Horn

Sheet

Level 2

Schedule Impact 8 days

Market Street Parking Garage - Condition A...

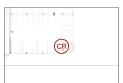


# #307 Crack

Status Open

Created Jun 30, 2021 4:21 PM joey.diserafino@kimleyhorn.com

Туре Issue Sheet Level 2



# Photos



20210630\_095604\_photo Joey DiSerafino Jun 30, 2021 9:56 AM

Market Street Parking Garage - Condition A...

#308 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 30, 2021 4:21 PM joey.diserafino@kimleyhorn.com Туре

Issue

Sheet Level 2

# Photos



20210630\_095659\_photo Joey DiSerafino Jun 30, 2021 9:57 AM

Created with PlanGrid 279 Prepared by Matt Sumpter

Prepared by Matt Sumpter 280 Created with PlanGrid



# #312 Spall / Delamination / Exposed Rebar

Status Open

Туре

Issue

Created

Jun 30, 2021 4:21 PM joey.diserafino@kimleyhorn.com

Level 2



4 days

#### Photos



20210630\_100242\_photo Joey DiSerafino Jun 30, 2021 10:02 AM

Sheet



Schedule Impact

# Photos

Status

Open

Туре

Issue



Market Street Parking Garage - Condition A...

#203 Spall / Delamination / Exposed Rebar

Created

horn.com

Jun 30, 2021 9:11 AM

matt.sumpter@kimley-

20210630\_091157\_photo Matt Sumpter Jun 30, 2021 9:11 AM

Prepared by Matt Sumpter 281 Created with PlanGrid Prepared by Matt Sumpter 282 Created with PlanGrid

Market Street Parking Garage - Condition A...



# #205 ADA compliance

Status Open

Created Jun 30, 2021 9:13 AM matt.sumpter@kimleyhorn.com

Туре

Issue

# Description

ADA signage does not comply with Virginia standards

### Photos



20210630\_091351\_photo Matt Sumpter Jun 30, 2021 9:13 AM

# Sheet Level 1



# Market Street Parking Garage - Condition A...



Kimley»Horn

Sheet

Level 1

Schedule Impact

2 days

# #207 Painting

Status Open

Created Jun 30, 2021 9:16 AM matt.sumpter@kimleyhorn.com

Туре Issue

Description Curb is unpainted

# Photos



20210630\_091709\_photo Matt Sumpter Jun 30, 2021 9:17 AM

Sheet Level 1





# #209 Painting

Status Open

Туре

Created

Jun 30, 2021 9:18 AM matt.sumpter@kimley-

horn.com

Issue Description Curb is unpainted

Sheet Level 1



Market Street Parking Garage - Condition A...

# Kimley»Horn

# #212 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 30, 2021 9:18 AM matt.sumpter@kimleyhorn.com

Type Issue Level 1

Sheet

Schedule Impact a day

#### Photos



20210630\_091854\_photo Matt Sumpter Jun 30, 2021 9:18 AM

Prepared by Matt Sumpter

285

Created with PlanGrid

286

Created with PlanGrid

Market Street Parking Garage - Condition A...



# #213 Painting

Status Open

Created Jun 30, 2021 9:22 AM matt.sumpter@kimley-

horn.com Туре

Issue

Description

Face of curbs are not

painted yellow for improved visibility

### Photos



20210630\_092244\_photo Matt Sumpter Jun 30, 2021 9:22 AM

Sheet Level 1



Market Street Parking Garage - Condition A...



# #215 ADA compliance

Prepared by Matt Sumpter

Status Open

Created Jun 30, 2021 9:23 AM matt.sumpter@kimleyhorn.com

Туре

Issue

Description

ADA signage does not comply with Virginia standards

### Photos



IMG\_7212 Matt Sumpter Jun 30, 2021 9:23 AM

Sheet Level 1





# #217 Painting

Status Open

Created

Jun 30, 2021 9:27 AM matt.sumpter@kimleyhorn.com

Type

Issue

Description

Face of curbs are not painted yellow for improved visibility

# Photos



20210630\_092743\_photo Matt Sumpter Jun 30, 2021 9:27 AM

### Sheet Level 1





Market Street Parking Garage - Condition A...

Kimley»Horn

# #220 Spall / Delamination / Exposed Rebar

Status Open

Created

horn.com

Jun 30, 2021 9:32 AM matt.sumpter@kimley-

Туре Issue Sheet Level 1



Schedule Impact 5 days

# Photos



Matt Sumpter Jun 30, 2021 9:32 AM

Prepared by Matt Sumpter

Prepared by Matt Sumpter 289 Created with PlanGrid

290

Created with PlanGrid

Kimley»Horn

Market Street Parking Garage - Condition A...

# #222 Spall / Delamination / Exposed Rebar

Status Open

Created

matt.sumpter@kimley-

horn.com Туре

Issue

Sheet

Jun 30, 2021 9:33 AM



Level 1

Kimley » Horn

Schedule Impact 8 days

# Photos



20210630\_093338\_photo Matt Sumpter Jun 30, 2021 9:33 AM

Market Street Parking Garage - Condition A...

Sheet

# #224 Spall / Delamination / Exposed Rebar

Status Open Created Jun 30, 2021 9:33 AM matt.sumpter@kimley-

Туре

Issue

horn.com



Schedule Impact 5 days

# Photos



20210630\_093408\_photo Matt Sumpter Jun 30, 2021 9:34 AM

291 Created with PlanGrid 292 Created with PlanGrid Prepared by Matt Sumpter Prepared by Matt Sumpter



# #227 Striping

Status Open

Created

Jun 30, 2021 9:37 AM matt.sumpter@kimley-

horn.com

Туре Issue

Sheet Level 1



#### Photos



# #228 Traffic coating

Market Street Parking Garage - Condition A...

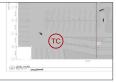
Status Open

Created

Jun 30, 2021 9:38 AM matt.sumpter@kimleyhorn.com

Type Issue Level 1

Sheet



Kimley»Horn

Schedule Impact 5 days

#### Photos



20210630\_093827\_photo Matt Sumpter Jun 30, 2021 9:38 AM

Prepared by Matt Sumpter

293

Created with PlanGrid

Prepared by Matt Sumpter

Market Street Parking Garage - Condition A...

294

Created with PlanGrid

Market Street Parking Garage - Condition A...



# #238 Traffic coating

Status

Open

Created Jun 30, 2021 10:04 AM matt.sumpter@kimleyhorn.com

Туре

Issue

Sheet Level 1



# #289 Crack

Status

Open

Туре Issue Created

Jun 30, 2021 4:19 PM joey.diserafino@kimley-

horn.com







Schedule Impact 12 days

# Photos



20210630\_100455\_photo Matt Sumpter Jun 30, 2021 10:04 AM

# Photos



20210630\_091034\_photo Joey DiSerafino Jun 30, 2021 9:10 AM

295 Created with PlanGrid Prepared by Matt Sumpter 296 Created with PlanGrid Prepared by Matt Sumpter



# #290 Spall / Delamination / Exposed Rebar

Status Open

Created

Jun 30, 2021 4:19 PM joey.diserafino@kimleyhorn.com

Туре Issue

Sheet Level 1



Schedule Impact 2 days

#### Photos



Joey DiSerafino Jun 30, 2021 9:12 AM

#### #291 Crack

Status Open

Created

Jun 30, 2021 4:19 PM joey.diserafino@kimleyhorn.com

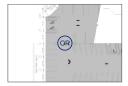
Market Street Parking Garage - Condition A...

Type Issue

Description

Small transverse cracks along bottom of beam

#### Sheet Level 1



Kimley»Horn

Schedule Impact a month

# Photos



20210630\_091558\_photo Joey DiSerafino Jun 30, 2021 9:16 AM

Prepared by Matt Sumpter

297

Created with PlanGrid

Prepared by Matt Sumpter

298

Created with PlanGrid

Market Street Parking Garage - Condition A...



# #292 Spall / Delamination / Exposed Rebar

Status Open

Created Jun 30, 2021 4:19 PM

joey.diserafino@kimleyhorn.com

Туре

Issue

Sheet



Schedule Impact 4 days

# Market Street Parking Garage - Condition A...

# Kimley»Horn

# #293 Spall / Delamination / Exposed Rebar

Status

Open

Created Jun 30, 2021 4:19 PM joey.diserafino@kimley-

300

horn.com

Туре Issue Sheet Level 1



Schedule Impact 4 days

# Photos



20210630\_091706\_photo Joey DiSerafino Jun 30, 2021 9:17 AM

# Photos



20210630\_091812\_photo Joey DiSerafino Jun 30, 2021 9:18 AM





## #294 Crack

Status Open

Created

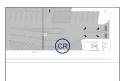
Jun 30, 2021 4:20 PM joey.diserafino@kimleyhorn.com

Туре

Issue

Description Entire joist length

#### Sheet Level 1



### Photos



# #295 Crack

Status Open

Market Street Parking Garage - Condition A...

Created

Jun 30, 2021 4:20 PM joey.diserafino@kimleyhorn.com

Type Issue





Kimley»Horn

Schedule Impact 8 days

#### Photos



Joey DiSerafino Jun 30, 2021 9:31 AM

Prepared by Matt Sumpter

#297 Crack

Status

Open

Туре Issue

Market Street Parking Garage - Condition A...

Prepared by Matt Sumpter

301

Created with PlanGrid

Created

horn.com

Jun 30, 2021 4:20 PM

joey.diserafino@kimley-

302

Created with PlanGrid

Kimley » Horn

CR

Schedule Impact

8 days

Sheet

Level 1

Market Street Parking Garage - Condition A...



# #296 Spall / Delamination / Exposed Rebar

Status

Open

horn.com Туре

Issue

Created

Jun 30, 2021 4:20 PM joey.diserafino@kimley-

Sheet Level 1



Schedule Impact

5 days

# Photos



20210630\_093339\_ph Joey DiSerafino Jun 30, 2021 9:33 AM

Photos



20210630\_093226\_photo Joey DiSerafino Jun 30, 2021 9:32 AM

303 Created with PlanGrid Prepared by Matt Sumpter 304 Created with PlanGrid Prepared by Matt Sumpter



#### #298 Crack

Status Open

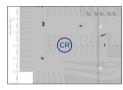
Created

Jun 30, 2021 4:20 PM joey.diserafino@kimley-

horn.com

Туре Issue

Sheet Level 1



Schedule Impact 6 days

# Photos



20210630\_093631\_photo Joey DiSerafino Jun 30, 2021 9:36 AM

#### #299 Crack

Status Open

Jun 30, 2021 4:20 PM joey.diserafino@kimley-

Type

Description

Sheet Level 1



Kimley»Horn

Schedule Impact 20 days

#### Photos



20210630\_093735\_photo Joey DiSerafino Jun 30, 2021 9:37 AM

Prepared by Matt Sumpter

Prepared by Matt Sumpter

305

Created with PlanGrid

306

Created with PlanGrid

Kimley » Horn

Market Street Parking Garage - Condition A...



# #313 Spall / Delamination / Exposed Rebar

Status

Open

Created Jun 30, 2021 4:21 PM joey.diserafino@kimley-

Туре

Issue

Description 3 locations

Sheet Level 1

horn.com



Schedule Impact 5 days

# Photos



20210630\_100445\_photo Joey DiSerafino Jun 30, 2021 10:04 AM



20210630\_100405\_photo Joey DiSerafino Jun 30, 2021 10:04 AM

Market Street Parking Garage - Condition A...



Prepared by Matt Sumpter 308 Created with PlanGrid

Created

horn.com

Market Street Parking Garage - Condition A...

Issue

Multiple on underside of girder



# #314 Operational

Status Open Created

Jun 30, 2021 4:21 PM joey.diserafino@kimley-

Type horn.com

Issue

Description

Brick starting to separate from walkway on exterior

# Sheet

Level 1



#### Photos







20210630\_101026\_phol Joey DiSerafino

Market Street Parking Garage - Condition A...
546 East Market Street, Charlottesville, Virginia

# Kimley » Horn

# #315 Operational

Status Open Created

Jun 30, 2021 4:21 PM joey.diserafino@kimley-

horn.com

Type Issue

Description

Low railing (<42" high)

### Sheet Level 1



#### Photos



20210630\_101202\_photo Joey DiSerafino Jun 30, 2021 10:12 AM

Prepared by Matt Sumpter 309 Created with PlanGrid Prepared by Matt Sumpter 310 Created with PlanGrid

# APPENDIX D

# **RATING GUIDELINES:**

The following narrative provides a summary of the rating guidelines and brief definitions of some items that were observed in the garage and noted in this report.

**Very Good** - rating denotes no life-safety issues, no immediate loss of strength or performance, including aesthetics, and no short term changes in performance with regular maintenance and observation. An operational system is said to be in very good condition if the system is in working order with only regular cleaning or routine maintenance required. Minimal to no capital repairs are anticipated in the next 3 to 5 years.

**Good** – rating denotes no life-safety issues, no anticipated loss of strength or performance, including aesthetics, and no short term changes in performance with regular maintenance and observation. A structural system is said to be in good condition if there is minor concrete damage, minimal rust, and minor leaks or leaching. An operational system is said to be in good condition if the system is in good working order with minor cleaning or routine maintenance required. Some repairs may be necessary within the next 3 years.

**Fair** – rating denotes no life-safety issues and functional performance but repairs are needed to maintain the current level of service. There are some aesthetic issues and inconveniences to patrons. Without repairs, the deterioration will continue to accelerate. Fair condition is assigned to the structural system if moderate damage, rust, leaks, or leaching is found in several locations or if severe damage is found in a few locations. These repairs are typically needed within the next 3 years.

**Poor** – rating denotes obvious problems, even to the casual observer, that without immediate remediation will result in further loss of structural member capacity. This condition can produce noticeable deflections in members, cause loose concrete to spall away, and presents the possibility of an unsafe condition to vehicles and/or pedestrians in the near future. The system may still be functioning at this state but repair costs will increase rapidly with the amount of time that passes before the item is corrected. The structural system is considered poor if severe damage is found in several locations. A poor assessment is assigned to any operational system that requires replacement. These repairs are typically recommended to be completed within the near term.

**N/A** – Not Applicable to this garage. While typically included as a part of our normal condition assessment, this particular category of items was not originally installed in this garage or was not part of the scope of this evaluation.

The photographs provided in this Appendix are sample representative photographs of each definition. These photographs are from both the Virginia Beach parking garages and other representative restoration garages and were not taken during the current condition assessment.

# **DEFINITIONS:**



Figure 1: Failing Concrete Patch

1. Patches – Repairs to concrete that require a filler material, usually grout or repair mortar. Patches may be required due to the following causes: reinforcing steel corrosion, concrete spalling, concrete delaminations, failing grout pockets, or external forces, such as automobile collisions. See Figure 1.



Figure 2: Concrete Delamination

2. Delamination – A delamination of concrete can occur when bleed (excess) water rises in concrete to just below the concrete surface as the concrete is curing or when embedded metals are corroding within the concrete. Both conditions tend to leave a thin layer of concrete that separates from the concrete body. Delaminations are detectable by sounding the suspected concrete with a metal object, such as a chain or hammer, and listening for the distinctive dead/hollow sound produced. The sounding instrument will produce a crisp metal ring when sounding over solid concrete. See Figure 2.



Figure 3: Concrete Spall

3. **Spall** – A spall is generally a piece of concrete that separates from the main body of the concrete member. Examples include a grout patch that has shrunken away from its pocket or a corner of a member that has broken off and is in the process of falling away or has fallen away already. See Figure 3.



Figure 4: Fine Crack



Figure 5: Medium Crack



Figure 6: Wide Crack

4. Cracking – Cracks are qualitatively assigned values of Fine (F), Medium (M), or Wide (W). A fine crack is a hairline crack less than 0.01" thick and can sometimes be very hard to see. A medium crack is in between 0.01" and 1/32" wide and a wide crack is anything greater than 1/32" wide. Cracks are qualitatively rated according to their dominant characteristics. See Figure 4, Figure 5, and Figure 6.

ACI 224R-01 provides general guidelines for reasonable crack widths in reinforced concrete (see Table 4.1). Parking garages are typically exposed to humidity and sometimes deicing chemicals. Therefore, crack widths ranging from as small as 0.007" to 0.012", or greater, should be evaluated. It should be expected that a portion of the cracks in the structure will exceed these values.



Figure 7: Leaking and Leaching Concrete

- **5. Leaking** Leaking is determined by any observable sign of fluid flow through a crack or joint. See Figure 7.
- 6. Leaching Leaching occurs when water flows through a crack, thereby dissolving away the components of the concrete, mainly calcium, and depositing it in the form of a whitish film or stalactite on the surface. The whitish film is also called efflorescence. See Figure 7



Figure 8: Ponding Water

7. **Ponding** – Ponding water is the settling of water in low areas where it has no way to drain. This standing water not only presents a pedestrian safety hazard, but as water penetrates the concrete the deterioration mechanism is accelerated. See Figure 8.



Figure 9: Structural Steel Corrosion and Scaling

**8. Corrosion and Scaling** – Corrosion occurs when steel is oxidized. Air, water, and chlorides are some agents that typically cause steel to corrode. Scaling is a more advanced condition of corrosion and occurs when corrosion is deeper than the surface and flakes off in pieces or 'scales'. See Figure 9.



# **APPENDIX E**

# RECURRENCE INTERVALS

The following tables provide industry standard expectations on common recurrence intervals for typical repairs and maintenance items.

 Table E-1. Structural Repair Recurrence Intervals

Structural Repairs	Interval (years)	Notes
Concrete repairs	5	Concrete repairs including spalls, delaminations, exposed reinforcement, and grout pockets will be necessary.
Concrete crack repairs	7	Cracks in the concrete occur at various points around the deck and will continue to need to be addressed.
Materials Testing	5	Chloride infiltration into the concrete increases over time.  Consistent testing allows for the chloride ion concentrations to be tracked. Industry standard is at least every 5 years but may need to be increased based on visual observations.
Masonry repairs	5	Based on experience various masonry repairs including cracking, leaking, leaching, spalling, and delaminations will continue to occur.

Table E-2. Waterproofing Repair Recurrence Intervals

Waterproofing Repairs	Interval (years)	Notes
Replace joint sealant	5	Ongoing replacement of joint sealant throughout the deck is typical within the design service life. Typically warranty is 5 years, but service life should be longer than the warranty if properly maintained.
Repair expansion joints	2	Ongoing, minor repairs are typical in the life of an expansion joint.
Replace expansion joints	10	Typical warranties are 5 years but can sometimes be extended to 10 years. Service life should be longer than the typical warranty if properly maintained. Industry standards indicate service life of 8 to 12 years.
Replace traffic coating	8	Traffic coatings have a standard warranty of 5 years. Use and maintenance will dictate whether or not the service life can be extended further. Experience indicates that the service life is up to 8 years.
Apply penetrating silane sealer	5	Typical warranty is 5 years. Without extensive testing, it is difficult to know the effectiveness of existing sealer, but industry standards indicate a service life of 5 to 10 years.



Table E-3. Operational Repair Recurrence Intervals

Operational Repairs	Interval (years)	Notes
Repair/Replace barrier cables	5/20	Barrier cables and anchors are exposed to the weather and tend to deteriorate due to moisture intrusion. Cables have to be replaced along the entire run. Repairs are anticipated every 5 years and total replacement needed after about 20 years.
Restripe stalls and pavement markings	5	Painted floor graphics, including stripes, become worn off by traffic and fade due to dirt and subsequent cleanings.
Install new signage	15	Graphics tend to face and deteriorate due to exposure to weather, sun, and environment.
Replace chain link fence	10	Chain link fencing should be repaired when rusted or the connections have deteriorated and it cannot perform the intended function
Replace CCTV cameras	10	In addition to the equipment simply beginning to wear out, the technology changes tend to render systems obsolete after the 10 years mark and it becomes more difficult getting maintenance and repairs parts.
Fire Extinguishers and Cabinets-replace	10	Extinguishers and cabinets replacements tend to be due to rust and becoming damaged from vandalism.
Bollard/Pipe guard repair or replace	5	Bollards and pipe guards should be repaired or replaced when they have been physically struck and damaged.  These items can last for 10+ years without significant repairs other than repainting.

Table E-4. Systems Repair Recurrence Intervals

Systems Repairs	Interval (years)	Notes
Replace storm pipe system	25	With ongoing, minor repairs, the drainage system service life is typically greater than 25 years.
Flush and clean floor drains	5	Cleaning drainage system is necessary to help the system to continue to operate as intended.
Perform light meter survey	3	Regular light meter surveys should be performed to study the degradation of the lamps and fixtures over time.
Replace lighting system	15	Typical light fixture service life is 15 years. Ongoing maintenance for ballast (every 5 years) and lamps are required within this time frame.
Clean light fixtures and replace bulbs	5	Clean dirty light fixture and replace nonfunctioning bulbs regularly to avoid damaging the system.
Elevator Interior Upfit (overhaul)	15	Recurrence is based on experience of a typical parking deck elevator. At this interval, worn and outdated



Systems Repairs	Interval (years)	Notes
		components are typically updated and interior materials are upgraded
Elevators (replace)	30	Hydraulic equipment most likely require replacement at about 30 years, electrical components at 20-25 years, and traction equipment at 35 years of service depending on the ongoing maintenance plan implemented
Parking and Revenue Control System (PRCS)	10	Most warranties are 1 to 2 years on equipment and software. At the 10 year mark, technology and software have advanced enough that existing systems become obsolete, maintenance becomes increasingly more expensive, finding replacement parts becomes more difficult, and moving parts internally begin to wear out, even with continual maintenance.

Table E-5. Aesthetic Repair Recurrence Intervals

Aesthetic Repairs	Interval (years)	Notes
Power wash interior surface	3-5	Power washing the interior of the deck will be necessary to maintain a clean appearance throughout the deck.
Power wash façade surface	10	Cleaning the façade of the deck will be necessary to maintain the appearance.
Repaint interior concrete surfaces	10	Typical warranties are 1 to 3 years with an anticipated service life of 5 years. However, this may be extended due to being more aesthetic in nature.

# Source on several items:

"Parking Garage Maintenance Manual-Guide for Maintenance and Repairs", Fifth Edition, Copyright 2015, National Parking Association (NPA) and the Parking Consultants Council (PCC)



# **APPENDIX F**

# **RESOURCES**

The following are resources for reference. These resources have been referred to in part but may not fully reflect the documents used in the development of this condition assessment report.

- "Parking Facility Maintenance Manual", Fifth Edition, Copyright 2015, National Parking Association (NPA) and the Parking Consultants Council (PCC)
- 2. Chrest, Anthony P.; Bhuyan, Sam et al. "Parking Structures: Planning, Design, Construction, Maintenance and Repair", Third Edition, Copyright 2001
- "PCI Design Handbook, 8th Edition" 2017 Precast and Prestressed Concrete Institute
- 4. American Concrete Institute (ACI)
  - a. ACI 201.1R-08 Guide for Conducting a Visual Inspection of Concrete in Service
  - b. ACI 201.2R-16 Guide to Durable Concrete
  - c. ACI 224.1 R-07 Causes Evaluation and Repair of Cracks in Concrete Structures
  - d. ACI 318-14 Building Code Requirements for Structural Concrete
  - e. ACI 362.1R-12 Guide for Design and Construction of Durable Concrete Parking Structures
  - f. ACI 362.2R-00 Guide for Structural Maintenance of Parking Structures (Reapproved 2013)
  - g. ACI 364.1R-07 Guide for Evaluation of Concrete Structures Prior to Rehabilitation
  - h. ACI 365.1 R-17 Report on Service Life Prediction
  - i. ACI 423.4 R-14 Report on Corrosion and Repair of Unbonded Single-Strand Tendons
  - j. ACI 546 R-14 Guide to Concrete Repair
  - k. ACI 562-16 Code Requirements for Assessment, Repair, and Rehabilitation of Existing Concrete Structures (ACI 562-16) and Commentary
- 5. PTI Guide Specification, "Design, Construction, and Maintenance of Cast-in-Place Post-Tensioned Concrete Parking Structures", Copyright 2001, Post-Tensioning Institute (PTI).
- "Guideline for Structural Condition Assessment of Existing Buildings", Copyright 2000, American Society of Civil Engineers (ASCE) and the Structural Engineering Institute (SEI).
- "Standard Guide for Property Condition Assessments: Baseline Property Condition Assessment Process", Edition Designation E 2018-15, Copyright 2015, American Society for Testing Materials (ASTM).
- 8. "2010 ADA Standards for Accessible Design" Copyright 2010, Department of Justice