T·Y·LIN INTERNATIONAL

Garage Inspection & Rating Program

East End Parking Garage

475 East Main Street
Rochester, New York 14604

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EXECUTIVE SUMMARY

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Executive Summary

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T.Y. Lin International (TYLI) has been retained by the City of Rochester to develop an inspection program for City-owned parking structures and develop five-year maintenance plans, along with annual garage maintenance contract plans. TYLI is pleased to submit this report which summarizes the findings and recommendations for repairs at the East End Garage, based on our completed garage visual inspection and rating program and provides a recommended maintenance plan over a five-year time horizon.

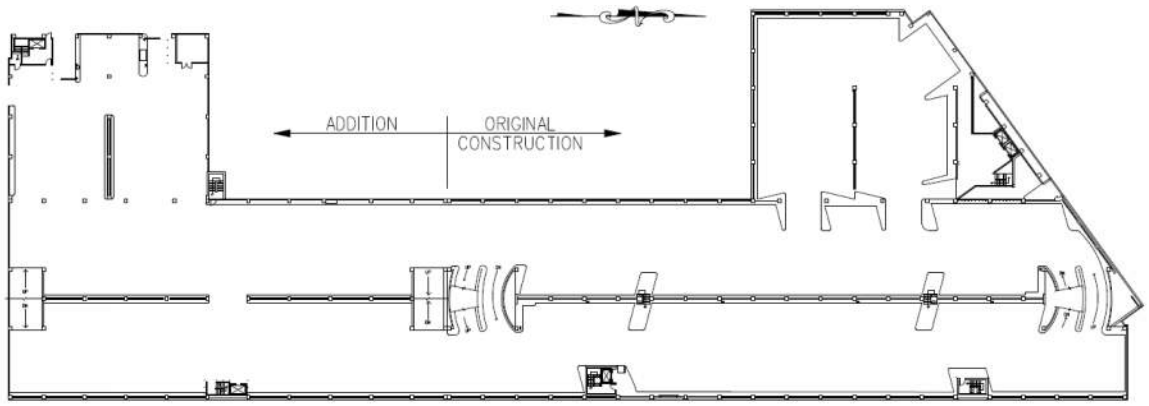
This report is not a comprehensive structural evaluation, or a detailed life cycle analysis.

1. East End Garage History

a. General Background

The East End (Metro Center) parking garage is a 1282 vehicle structure located at the southwest corner of Scio and East Main Streets, located in the City of Rochester (see map). The garage was constructed in two phases, with the original north structure completed in 1983 and the south addition structure completed in 1991.

Portion	Year Constructed	Area (sf)	No. of Spaces
Original	1983	254,486	590
Addition	1991	211,454	692
Total		465,940	1282



KEY PLAN

Both portions of the structure are of post-tensioned cast-in-place concrete construction. The post-tensioning system is a one-way slab system with primary slab reinforcement running in a north-south direction.

The garage is located at a strategic location within the City of Rochester, in the heart of the City's entertainment district. The East End area has established itself as the most exciting and fastest growing area of the downtown district. Due to the area's unique presence of both weekday business activities and weekend and nighttime entertainment options; the East End garage is utilized throughout each day, week and year. The East End is home to the

Eastman Theatre and Eastman School of Music, which depend on the garage to provide parking for patrons during the many concert and performances throughout the year.

During the summer months, the East End is home to the popular Rochester International Jazz Festival, Rochester Fringe Festival and many other events. These activities attract tens of thousands of visitors to the East End district and heavily depend on the East End garage to accommodate these visitors. The East End garage is the only publicly owned parking garage located within the East End district, making it a vital asset to both the business community and the City of Rochester.

Two levels of the southwest wing of the structure are utilized as resident parking for the Sagamore on East residential building located immediately to the south of the garage. This area is accessed by keycard.

The garage is presently owned and maintained by the City of Rochester. The East End Garage was inspected in 2019 . The ratings and discussion in this report are based on results of the 2019 inspections.

The following maintenance repair items have previously been performed or are scheduled to be performed at this facility within the next year. No work has been performed on the garage since the 2015-2018 Rehabilitation project.:

- Maintenance Repairs to East End Garage F.Y. 2010 Project (2010-2011)
    - Miscellaneous concrete repairs to beams, columns and decks
    - Miscellaneous repair / replacement of expansion joints)
    - Waterproofing of all vehicle ramps and closure pours
    - Waterproofing of NE portion of 3rd level deck in original structure
    - Repair of vehicle barriers and partial wheel-stop replacement
- East End Garage Office Relocation (2015-2016) / East End Garage Rehabilitation (2015-2018) Projects
    - New office construction
    - Exterior lighting upgrades and replacements
    - Concrete repairs & waterproofing of all decks and curbs in original structure
    - Select asphalt milling/resurfacing, drainage and sealing on ground level
    - Expansion joint replacement and end anchor replacement at 'J' line
    - Replacement of revenue control equipment
    - New wayfinding signage
    - Replacement of Main Street & North Scio Street elevators
    - Roofing replacement at elevator and stair towers
    - Apply concrete sealer to elevated decks in addition structure
    - Additional expansion joint replacements
    - Exterior façade and fence improvements
    - Pigeon control features

b. Garage Location

2. General Inspection Program

a. City Garage Inspection Program Summary

The initial component of the Garage Inspection Program involves a visual inspection of the parking structure. This report is based primarily on this visual inspection, with supplemental data provided from a membrane/structural investigation performed in 2009 and early 2010 for the Architectural Services Bureau by Ravi Engineering and Land Surveying, P.C. (Ravi).

Visual inspections of all primary building systems are performed, as summarized below:

- Structural Systems
  - Columns
  - Beams
  - Deck
- Waterproofing Elements
  - Expansion Joints
  - Waterproofing Membranes and Sealants
- Architectural Systems
  - Walls
  - Stairs
  - Vehicle Barriers
  - Façade
  - Elevator Enclosure (only – elevator inspections are not included)
  - Signage
  - ADA elements

The visual inspections of the garage were performed on the following dates:

- Structural/Waterproofing: These inspections were performed by engineers from T.Y. Lin International in July and August of 2019. These inspections were performed to verify repairs and existing deteriorated conditions in the structural and envelope systems.
- Architectural Systems: These inspections were performed by Dwyer Architects in August 2019.
- M/E/P Systems: Based on instruction from the City of Rochester Department of Environmental Services in coordination with Municipal Parking, full scale inspections were not performed in 2019. The inspection and maintenance of mechanical, electrical, plumbing and fire protection systems are the responsibility of Municipal Parking and are not included in the annual maintenance contract. Inspection of major items such as generators, switchgears and air handling units was performed in January through March of 2017, and items of interest are discussed later in this report. A list of M/E/P systems items inspected by TYLI and those items assumed to be inspected by City of Rochester staff is included below:

TYLI	City of Rochester
• Generators	• Wiring & Lighting
• Switchgears	• Electrical Fixtures
• Automatic Transfer Switch	• Plumbing / HVAC Fixtures
• Back-Flow Preventers	• Risers, Laterals & Drains
	• Stand Pipes & Valves

In addition to the visual inspection programs, deck chloride ion levels from the 2010 Ravi report were used to downward adjust the deck ratings based on a formula accounting for the following factors:

- 2008 chloride Ion levels in deck
- Corrosion threshold of 280 ppm (parts per million)
- Age of structure / rate of chlorides infiltration into deck
- Use of epoxy coated bars in original construction
- Known issues with post-tension system failure

The use of microsilica concrete (where applicable) was not considered, since this is already accounted for in the current chloride ion levels and rate of chlorides infiltration.

Note that the Ravi report included a limited sample of chloride ion testing, not representative of the garage as a whole. For the purpose of this report, data provided at each level was assumed representative for the entire level. For levels on which no data was provided, chloride ion levels were assumed based on the age of the garage, construction materials, trends at other garages and accompanying chloride data at other locations within the garage.

Additional chloride testing and ground penetrating radar (GPR) were carried out in preparation for the 2015-2016 East End Maintenance & Repair Contract.

The chloride ion analysis testing and results are discussed in greater detail in Section 6 of this report.

b. Previous Membrane/Structural Inspection Summary

Under a separate contract with the Architectural Services Bureau, a membrane and structural investigation was performed by Ravi, with the assistance of the CTL Group, P.C. A report entitled 'East End Structural Investigation Phase II' was made available to TYLI. This investigation, initiated as a membrane investigation, evolved into a structural investigation after a primary slab tendon ruptured and protruded through the third level of the original structure.

This investigation was performed on the original structure only and included material sampling and testing of the damaged strands and concrete cores. As part of this survey, numerous slab tendons were exposed to test the integrity of the sheathing and investigate whether further tendon ruptures have occurred. Four (4) additional tendons were found to have ruptured on the same level.

c. Numerical Rating System

The following numerical rating system is being used and is referenced throughout this report and supporting materials. It is based on the bridge rating system previously utilized by the New York Department of Transportation:

9 – Not visible, partially or fully obstructed
8 – Not applicable
7 – New condition, no deterioration, functioning as originally designed
6 – Used to shade between 5 and 7
5 – Minor deterioration, but functioning as originally designed
4 – Used to shade between 3 and 5
3 – Serious deterioration or not functioning as originally designed
2 – Used to shade between 1 and 3
1 – Completely deteriorated or in failed condition

Each individual column, beam and slab span was rated. Other elements are generally rated by each floor.

A summary composite score for the over-all structure is also tabulated. This composite score considers all rated elements. The structural elements are weighted the highest, with waterproofing elements the second highest. Perimeter protection and other building systems follow next and elements such as signage have the lowest weight.

3. East End Garage Inspection

a. Over-all Assessment

Composite scores for the East End Garage based on the visual assessment only and for the visual assessment with adjusted deck ratings are provided below:

Garage Section	Composite Score (Visual)	Composite Score (Adjusted)*
Original Structure	5.35	5.10
Addition	5.47	5.37
Combined	5.40	5.23

**visual deck rating was adjusted for chloride levels based on garage age, history of tendon issues, sealing and waterproofing programs and use of epoxy coated bars. The composite score was then recalculated using the adjusted deck ratings.*

In very general terms, this identifies that based on a visual inspection adjusted for chloride ion levels in the deck, both the original structure and the addition are in fair to good condition after completion of the recent maintenance contract. The structures will require future investment in regular preventative maintenance to continue functioning as originally designed. Note that the original structure ranking (adjusted) has decreased slightly from the previous report (5.26 to 5.10).

Rankings for all of the elements are provided in Appendix A.

Many items which are currently rated as a 4 or 5, will likely degrade to levels of 3 and below within the next 3-4 years if left untouched. This situation applies most significantly to the structural concrete deck. One goal of the rating system and program is to address items before they become a safety and/or structural integrity issue.

The two highest weighted elements are briefly discussed below (structural and waterproofing systems), since they are the most critical elements for the long-term function of the garage. The remaining elements are summarized in Section 3b and Appendix A and Appendix D.

Structural Systems:

Original Structure:

In general, the structural beams (5.87 rating) and columns (6.06 rating) are in good condition. Minor deterioration of several beams and columns has occurred, particularly below failed expansion joints and along the north and west façade. Many concrete repairs to interior beams and columns were completed under the East End Garage Rehabilitation contract (2015-2018).

The structural deck (4.85 visual rating / 3.86 adjusted rating) appears to be in fair to good condition, with numerous bays ranked as a '4' or '5'. However, these decks are known to have highly elevated chloride ion levels, resulting in the much lower adjusted rating. Note that while there are some signs of deterioration evident on the underside of the slabs, the CTL report notes that the extracted cores are generally in good condition.

Historically, the worst location is the northeast portion of the 3rd level, which was repaired and received a new waterproofing membrane under the East End Garage Rehabilitation contract (2015-2018).

Testing of cores performed by the CTL Group indicate elevated chloride contents are common throughout the deck of the original structure and carbonation penetration is approaching the lower mat of steel reinforcement. Elevated chloride levels indicate a higher potential that active deterioration of the embedded reinforcing steel can occur. When carbonation occurs, the passive protection around the embedded steel breaks down, once again indicating a higher potential for the deterioration of the steel.

Over the past six (6) to eight (8) years, several post-tensioning strands in the structural deck have had to be replaced due to rupture caused by corrosion. Initial investigations found this occurrence to be most common on the 3rd level deck; however strand corrosion and rupture in any quantity is a serious threat to the structural integrity of the garage. At several locations throughout the garage, grease stains can be seen on the underside of the deck, suggesting that the protective sheathing of the post-tensioning strands has been compromised. CTL has identified that the tendon encapsulation system in the original structure is a 'push-through' system, which have not performed well historically from a durability standpoint.

The post-tensioning system was further investigated in preparation for the recent East End Maintenance & Repair Contract. Test pits were located throughout the original structure and investigation typically found the strands to be in good condition and fully lubricated with grease still within the sheathing. A program of exposing and replacing the push-through style end anchors with new fully encapsulated end anchors at J-line of the original structure was included in the recent East End Garage Rehabilitation contract (2015-2018). This work was carried out at the highest priority areas identified as the east and west sides of level 2, as well as the east side of level 3. Observation during the repair work found that the exposed strand ends were typically dry, but showed little signs of deterioration or section loss. At the mid-bay point north of the expansion joints, the strands were typically found to be clean and well lubricated within the sheathing. Based on these findings, a decision was made to not continue with this strand end replacement work elsewhere and to instead proceed with a program of expansion joint replacement and deck sealing to further protect the original strand ends and anchors to remain on other levels of the garage.

Addition:

Beams (5.95 rating), columns (5.69 rating) and decks (5.56 visual rating / 5.16 adjusted rating) are generally in good condition. Minor deterioration has occurred, including deck cracks and small, isolated concrete deterioration. Most areas of deterioration were repaired under the East End Garage Rehabilitation contract (2015-2018).

Waterproofing Systems:

Original Structure:

The existing waterproofing membrane (4.80 rating) and the expansion joints (5.13 rating) are in good and/or new condition. All levels of the original portion of the deck received new waterproofing under the East End Garage Rehabilitation contract (2015-2018). All

expansion joints in the original structure and at the interface between the new and original structure have now been replaced under either the Maintenance Repairs to East End Garage F.Y. 2010 (2010-2011) contract or the East End Garage Rehabilitation contract (2015-2018). The expansion joint located over the new garage office received a stainless steel gutter below, to protect the office from any future leaks.

The 2019 inspections indicate that some of the joints are leaking, especially at the 4th Level J-line and the Roof Level northeast stairs.

Addition:

The expansion joints are generally in good condition (4.86 rating). The only membrane present is at pour strips and a new membrane was applied at each level under the Maintenance Repairs to East End Garage F.Y. 2010 (2010-2011) contract (5.00 rating). Considering the rough nature of the concrete finish in this portion of the garage, a concrete sealer is thought to be a more suitable moisture protection system for the flat portions of the addition structure. Decks in the entire addition structure received a penetrating sealer under the East End Garage Rehabilitation contract (2015-2018).

b. Priorities

Priority tables are presented in Appendix C for all building systems. They are broken down as follows:

High Priority –	Those elements that are rated a 3 or below. These specific items should be addressed in the short-term (1-2 years).
Medium Priority -	Those elements that are rated a 4 or 5. These specific items should be addressed in the medium-term (3-7 years).

Brief discussions of the highest priority elements in the five-year plan are discussed below, in order of importance.

Waterproofing Systems:

The most vital factor for maintaining a safe and useable parking structure at the East End garage is the programming of a continued sealing and waterproofing program to maintain the effectiveness and advantage of the recently completed work. In general, a new penetrating sealer should be applied in the addition every five (5) years. The waterproofing membrane in the original structure should be replaced or repaired as necessary in approximate ten (10) to twelve (12) year intervals. Areas of high wear and/or isolated failures should be addressed immediately as they occur.

Post-Tension System in Original Structure:

In a one-way slab system, the primary load carrying element is the post-tensioning system. As noted above, the tendon encapsulation system used in the original structure has not performed well historically. We note that several tendon ruptures have already occurred in the original structure. Additional investigations, findings and repair work have taken place and are discussed elsewhere in this report.

Concrete Decks in Original Structure:

The decks, with an over-all rating of 4.85 based on visual analysis and a 3.86 adjusted rating are chloride laden. Previous investigations have indicated that the top reinforcement bars in the deck at beam locations are almost completely deteriorated at many locations. Many deteriorated areas were addressed during the 2015-2018 East End Garage Rehabilitation Contract. The deck and mild reinforcement should be repaired and protected as necessary as deterioration occurs in the future.

Expansion Joint:

Where expansion joint seals have failed, chloride-laden water penetrates to the structural elements below, as well as to other systems, which increases the potential that these areas will experience deterioration, as evidenced at this garage. All expansion joints within the garage have now been replaced under either the Maintenance Repairs to East End Garage F.Y. 2010 (2010-2011) contract or the East End Garage Rehabilitation contract (2015-2018), but some show signs of leaking.

Elevator Enclosures:

The elevator enclosures / shafts were inspected on April 01, 2013 following a weather event. Schindler assisted with inspection of the interior of the shafts by providing access to the top of the elevator cab and operating the elevator while inspection personnel rode atop the cab. Our office has not been notified about any regularly occurring elevator equipment failures at the East End Garage.

In general, the elevator shafts were observed to be dry; however a few items of concern were noted as listed below:

- A possible condensation issue is resulting in rusting of the steel frame supporting the windows of the Main Street elevator shaft
- The southwest elevator shaft of the addition along Swan Street has heavy moisture penetration with efflorescence in the masonry walls at the roof level
- Gaskets for the glazing of the southwest elevator shaft have failed at several locations and can no longer prevent water infiltration

New roofing and coating of the masonry walls were included with the elevator replacements completed under the East End Garage Rehabilitation contract (2015-2018).

In order to further protect the elevators and avoid water infiltration, the City of Rochester should ensure that snow removal procedures do not result in a condition with snow being piled against the exterior shaft walls.

Mechanical / Electrical / Plumbing Systems:

Exhaust fans in elevator machine rooms and lighting control room are original to the buildings and should be scheduled for replacement within the next 5 years. The washdown pump and controller are also original to the building and should be planned for replacement within the next 5 years.

The gas generator and automatic transfer switch (ATS) have been recently replaced and are in good working condition. The switchgear is approximately 20 years old and in working order, but should be programmed for replacement within the next 5-10 years.

The garage received some new lighted entrance/exit signage, roof level light poles, lobby lighting and exterior lighting as part of the recent contract, but the balance of the lighting throughout the garage is in need of replacement. The City should consider eventual upgrade to LED fixtures throughout, including exploring any available grants and rebates for this work.

The fire alarm control panel for elevator recall was installed new as part of the recent elevator replacements, and can be expected to last another 20 plus years, provided any future added devices are compatible with the existing panel.

c. Short and Long-Term Strategies

The primary goal for this structure is to maintain the structural integrity of the garage. As noted above, existing conditions in the original structure indicate that corrosion of existing embedded reinforcement has occurred, since moisture was allowed to enter the chloride-laden concrete – chloride levels are high enough that corrosion will occur if moisture is present. Therefore, the primary focus moving forward should be to repair areas where deterioration occurs, and take measures to continue maintaining the waterproofing membranes and penetrating sealers in the original structure and addition respectively.

A brief discussion of the recommended short and long-term strategies for the most critical garage elements follows:

Element	Short-Term	Long-Term
Post-Tensioning System	No action	Monitor for future issues.
Concrete Decks	Monitor identified '3' and '4' ratings	Monitor and repair as required
Beams/Columns	Repair damaged beam at roof level expansion joint and columns under joint; monitor identified '4' ratings	Monitor and repair as required
Waterproofing Membrane/Deck Sealing	No action	Monitor condition of and repair membrane as required; regular application of penetrating sealer
Expansion Joint Systems	Repair damaged or leaking joints	Monitor and repair/replace as required.
Stairs	Repair stairs	Monitor and repair as required
Façade Systems	Pigeon control measures	Monitor precast panels and connections
M/E/P	Replace exhaust fans throughout machine and equipment rooms Replace washdown booster pump and controller Full lighting replacement with LED fixtures	Switchgear replacement.

A primary goal of the garage maintenance program is to address items before they become a safety and/or structural integrity issue. Considering the known elevated chloride levels in the deck, the waterproofing systems must be maintained or the structural deck will be vulnerable to further deterioration.

While some items within the garage have been addressed under recent Garage Maintenance Contracts, the long-term durability of the structure requires regular monitoring and maintenance.

4. Recommendations for Post-Tensioned Deck

The East End Garage is a vital asset, servicing the Eastman Theatre, Eastman School of Music and various businesses and residents in the City's vibrant East End district. For this reason, extending the life of the existing structure is of the highest priority to the City of Rochester.

The deck of the original portion of the East End garage is chloride saturated, and previous investigations have concluded that the post tensioned strand system has been compromised in some locations. The post tensioned strand system in place is a plastic sheathed system; however the construction practices used at the time generally left the ends of the strands near the anchor exposed. The size and type of sheathing in this system does not allow for the removal and "push-through" of a new strand in the existing sheathing.

In order to extend the life of the garage and ensure minimal future disruption, our office recommended a program of exposing and replacing the push-through style ends anchors with new fully encapsulated end anchors at J-line of the original structure. This work was completed during the 2015-2018 East End Maintenance Repair Contract at the highest priority areas identified as the east and west sides of level 2, as well as the east side of level 3.

Observation during the repair work found that the exposed strand ends were typically dry, but showed little signs of deterioration or section loss. At the mid-bay point north of the expansion joints, the strands were typically found to be clean and well lubricated within the sheathing. Based on these findings, a decision was made to not continue with this strand end replacement work elsewhere and to instead proceed with a program of expansion joint replacement and deck sealing to further protect the original strand ends and anchors to remain on other levels of the garage.

The observed condition of the post-tensioned strands at test-pit location during pre-design and the observed condition of strand ends and anchors during construction suggest that while the deck is heavily chloride saturated, the strand condition at the garage is typically better than previously expected. Based on the observed conditions and the completion of strand end and end anchor replacement at the highest priority locations on the north side of 'J'-line at levels 2-East, 2-West and 3-East; the recommended course of action is protection of the existing system through the application and regular maintenance of expansion joints, waterproofing membranes and deck sealer.

5. Maintenance and Repair Estimates

CITY OF ROCHESTER PARKING GARAGE C.I.P. (5 YEAR PLAN)						
EAST END PARKING GARAGE	ESTIMATED COST:					
REPAIR ITEMS:	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	5-YEAR TOTAL
POST-TENSION INVESTIGATION AND REPAIR	$ -	$ -	$ -	$ -	$ -	$ -
CONCRETE REPAIRS TO INTERIOR BEAMS & COLUMNS	$ 15,000.00	$ 15,000.00	$ -	$ -	$ -	$ 30,000.00
SEAL DECK IN ADDITION	$ -	$ 150,000.00	$ -	$ -	$ -	$ 150,000.00
WATERPROOF DECK IN ORIGINAL STRUCTURE	$ -	$ -	$ -	$ -	$ -	$ -
CONCRETE REPAIR TO STRUCTURAL DECK	$ -	$ 30,000.00	$ -	$ -	$ -	$ 30,000.00
EXPANSION JOINT REPLACEMENT	$ -	$ 20,000.00	$ -	$ -	$ -	$ 20,000.00
COVE / VERTICAL / HORIZONTAL SEALANT	$ -	$ 20,000.00	$ -	$ -	$ -	$ 20,000.00
BARRIER CABLE / BOLLARD REPAIR / WHEELSTOPS / CURBS / REVENUE CONTROL MISC. WORK	$ -	$ -	$ -	$ -	$ -	$ -
CONCRETE REPAIRS TO FAÇADE	$ -	$ -	$ -	$ 30,000.00	$ -	$ 30,000.00
STAIR LANDING REPAIR/NOSING REPLACEMENT	$ -	$ 10,000.00	$ -	$ -	$ -	$ 10,000.00
CLEAN AND PAINT LIGHT POLES, RAILINGS & FAÇADE FENCING	$ -	$ 5,000.00	$ -	$ 65,000.00	$ -	$ 70,000.00
REPLACE GARAGE ENTRANCE / EXIT SIGNAGE	$ -	$ -	$ -	$ -	$ -	$ -
MECHANICAL SYSTEM REPAIRS / REPLACE	$ -	$ -	$ -	$ 40,000.00	$ -	$ 40,000.00
UPDATE GARAGE LEVEL, STAIRWAY, TRAFFIC & STRIPING SIGNAGE	$ -	$ 40,000.00	$ -	$ -	$ -	$ 40,000.00
DOORS / HARDWARE	$ -	$ -	$ -	$ -	$ -	$ -
MASONRY REPAIR	$ -	$ -	$ -	$ -	$ -	$ -
ROOFING REPAIRS	$ -	$ -	$ -	$ -	$ -	$ -
PLUMBING, DRAINAGE REPAIR / REPLACEMENT	$ -	$ -	$ -	$ 10,000.00	$ -	$ 10,000.00
ELECTRICAL REPAIRS, LIGHTING, EXIT SIGNAGE, MISC	$ -	$ -	$ -	$ -	$ -	$ -
ARCHITECTURAL ELEMENTS/PIGEON CONTROL	$ 45,000.00	$ -	$ -	$ -	$ -	$ 45,000.00
ELEVATOR REPLACEMENTS (1) AT S. SCIO / (1) AT SWAN	$ -	$ 448,000.00	$ -	$ -	$ -	$ 448,000.00
	2021 TOTAL	2022 TOTAL	2023 TOTAL	2024 TOTAL	2025 TOTAL	OVERALL TOTAL
EAST END SUB TOTAL	$ 60,000.00	$ 738,000.00	$ -	$ 145,000.00	$ -	$ 943,000.00
DESIGN / CONTINGENCY / RPR	$ 22,200.00	$ 273,060.00	$ 79,000.00	$ 53,650.00	$ -	$ 427,910.00
EAST END TOTAL	$ 82,200.00	$ 1,011,060.00	$ 79,000.00	$ 198,650.00	$ -	$ 1,370,910.00

RED = High Priority
BLUE = Medium Priority
GREEN = Low Priority

6. Chlorides & Deck Life-Cycle Analysis

During the summer of 2011, a deck coring and chloride analysis program was carried out to determine typical chloride levels in the deck throughout the garage at varying depths. No samples were taken in 2011 at the East End Garage; however a total of 6 core samples tested by RAVI and CTL in 2008 were used for analysis. Chloride samples were taken at the 0-1", 1-2" and 2-3" levels of each core, in order to develop a profile of chloride intrusion at varying depths. The cores were taken from Levels 2, 3 and 4 of the Original portion of the East End Garage. Research suggests that when chloride levels reach approximately 280 ppm (parts per million) at the level of reinforcement, the process of corrosion begins to occur. Once that process begins and with constant exposure to moisture and chlorides, the steel reinforcement will continue to corrode. The process of corrosion not only eventually deteriorates the steel reinforcement, but eventually will lead to delamination and spalling of the concrete deck.

Using the existing age of the garage, an assumed severe-exposure condition and the determined chloride levels, a diffusion coefficient was determined to approximate the speed at which chlorides are moving through the concrete deck.

Our analysis assumes that the top steel reinforcement is located at the 1-2" depth; however construction practices often result in cover less than specified, which in turn results in earlier corrosion of the steel reinforcement. Visual inspection of the garage clearly indicates that the top deck bars over the structural beams in the original portion have cover of as little as ½" in some spots. The saturated chloride levels in combination with failed waterproofing and moisture infiltration have resulted in almost 100-percent section loss of many of these bars on the 3rd level of the garage, and widespread deck spalling as a result.

A complete list of cores at each deck level, along with life-cycle considerations was included in the 2011 overall reports for all garages. The table below includes the average chloride levels at the 0-1", 1-2" and 2-3" depths for all cores taken at the garage.

Depth	Chlorides (ppm)
0-1"	2783.3
1-2"	893.3
2-3"	311.7

As indicated above, in general the chloride levels throughout the garage at the assumed depth of reinforcement have reached and far surpassed the corrosion threshold of 280 ppm. The data and visual evidence point to the fact that the process of corrosion has begun and is actively occurring within the deck. This process can be slowed by development and implementation of a long-term sealing / waterproofing program. A proactive preventative-maintenance program that includes sealing / waterproofing of the structural decks is recommended for this garage. Funds for sealing / waterproofing as recommended in the deck life-cycle analysis are included in the estimate in Section 5 of this report.

7. Accessibility Survey

T.Y. Lin International performed a handicap accessibility survey at the East End Garage in accordance with Title III of the Americans with Disabilities Act, which contains an obligation for the removal of physical barriers in existing facilities. This obligation is specific to Places of Public Accommodation, which is loosely defined as businesses or buildings that are open or offer services to the general public.

In addition to the Americans with Disabilities Act, the New York State Uniform Fire Prevention and Building Code and the ICC/ANSI Standard for Accessible and Usable Buildings and Facilities are applicable throughout the State of New York where buildings are altered, undergo a change of use or where buildings were constructed, altered or converted in conflict with codes, rules and regulations in effect at the time of those events. Our field survey and analysis of the above referenced facility was performed in accordance with these standards.

Citing of applicable accessibility provisions below is based on the more restrictive standard. Where the federal and state regulations are the same, we are citing the standards applicable under the New York State Uniform Code.

On the following page you will find a table summarizing the recommended improvements resulting from the Accessibility Survey. Further discussion on the overall ADA survey and individual items is included in the Accessibility Report provided to the City of Rochester under separate cover.

Deficient items have been color coded by priority. The level of priority has been set by the U.S. Department of Justice, as follows:

Priority 1: Accessible approach and entrance. Persons with disabilities should be able to arrive on site, approach the building, and enter as freely as everyone else. At least one route of travel should be safe and accessible for everyone, including people with disabilities.

Priority 2: Access to goods and services. Ideally the layout of the building should allow people with disabilities to obtain materials or services without assistance.

Priority 3: Access to rest rooms. When rest rooms are available to the public, they should be accessible to people with disabilities.

Priority 4: Any other measures necessary. When such amenities such as drinking fountains and public telephones are provided, they should also be accessible to people with disabilities.

Note that the handicapped accessible spaces and associated signage were upgraded under the 2015-2016 East End Maintenance and Repair Contract. This contract also addressed accessible paths at elevators and the new garage office. These items have striking through the text in the following table to indicate completion.

Priority Level	Deficient Item	Item Number in Accessibility Report	Remedial Action
~~1~~	~~Location of accessible parking spaces~~	~~1~~	~~Relocate accessible spaces along accessible route.~~
~~1~~	~~Lack of compliant signage and installation height.~~	~~4~~	~~Provide signage.~~
~~1~~	~~Lack of access aisles.~~	~~2~~	~~Provide access aisles for each accessible parking space.~~
~~1~~	~~Marking of access aisles~~	~~5~~	~~Remark access aisles on driving surface~~
1	Entrance door hardware mounting height.	9	Remount door hardware.
1	Closing speed of doors	10	Adjust closing speed.
~~2~~	~~Surface slope.~~	~~3~~	~~Relocate accessible parking spaces on upper levels.~~
~~2~~	~~Ramps on accessible routes~~	~~6~~	~~Reconstruct ramp to comply with slope requirements.~~
~~2~~	~~Floor designation at elevators~~	~~11~~	~~Re install floor designation signage.~~
2	Enclosed Exit Stairways.	8	None.
~~2~~	~~Elevator door reopening device~~	~~12~~	~~Repair reopening device.~~
~~2~~	~~Elevator door closing speed~~	~~13~~	~~Adjust closing speed.~~
~~2~~	~~Elevator floor surface~~	~~14~~	~~Repair elevator floor surface.~~

8. Life & Fire Safety Assessment

T.Y. Lin International performed a limited life and fire safety assessment at the following garages: Court Street, East End, Genesee Crossroads, High Falls, Mortimer Street, Sister Cities, South Avenue and Washington Square. General circulation paths, configuration and maintenance of the means of egress, signage, physical barriers, tactile warnings, striping & delineation and maintenance of physical elements was excluded from this survey at the request of the City. Surveys of specific areas included:

- Storage Spaces
- Mechanical Rooms
- Riser Rooms
- Electrical Rooms
- Transformer Rooms
- Elevator Machine Rooms
- Office & Other Occupied Spaces

These assessments, provided under separate cover, were performed in accordance with the 2010 Edition of the New York State Uniform Fire Prevention and Building Code, and applicable reference standards, consistent with recognized best practice for providing a reasonable level of life and fire safety from the hazards of fire, explosion or dangerous conditions in these structures and to provide safety to the general public and emergency responders.

Citations of applicable life and fire safety provisions below were based on the more restrictive standard. Where differences exist between federal regulations, state regulations and adopted reference standards, the provisions of the New York State Uniform Code take precedence unless superseded by a higher level of government.

Attached to the narratives we have included our assessment checklist and deficiency matrix. All deficiencies have been color coded by priority as follows:

Priority 1: A deficiency which was deemed to constitute an immediate hazardous to life and health and, in our opinion, necessitates immediate attention. Priority 1 deficiencies are color coded PINK.

Priority 2: A deficiency that, in our opinion should be resolved within 90 days. Priority 2 deficiencies are color coded ORANGE.

Priority 3: A deficiency that, in our opinion, should be resolved in conjunction with other planned improvements or included in long range plans for the facility. Priority 3 deficiencies are color coded BLUE.

Further discussion on the overall assessment and individual items is included in the Life & Fire Safety Assessment Report provided to the City of Rochester under separate cover.

9. Conclusions and Recommendations

The most vital factor for maintaining a safe and useable parking structure at the East End garage is the immediate initiation of a sealing and waterproofing program, especially for the original portion of the garage, due to the high chloride content in the slab and the advancement of carbonation in the bottom of the slab. Based on the above discussion and the long-term structural integrity of the garage, our recommendations with the most immediate need are as follows:

- Minor concrete repair of columns and beams, especially 4th level beam under the expansion joint in the original portion
- Repair/replace noted leaking expansion joints
- Repair stair landings with deterioration in the original garage
- Replace the noted exhaust fans and washdown pump controller
- Improve pigeon control measures

The above items are suggested as the highest priority items. However, the garage is in need of various additional repairs, including but not limited to:

- Continue to monitor structural items rated '3' or '4'
- Improvements to garage level and vehicle directional signage
- Door replacement and elevator and stair enclosure repairs
- Cleaning and painting of railings
- Isolated stair repairs
- Lighting improvements
- Drainage system maintenance
- Additional elevator replacement (anticipated due to age of structure, but not inspected for this report)

The total estimated cost of repairs is included in Section 5 and totals $1,739,910.

We also noted a large deposit of salt in a deck area that was still present in July. We recommend that the City maintain an annual flushdown and while doing so, removes all salt deposits.

APPENDIX A

ORIGINAL STRUCTURE – GARAGE RATINGS

YEAR BUILT = 1983

11 YEARS TIME PASSED SINCE 2008 RESULTS

CURRENT YEAR = 2019

EAST END ORIGINAL DECK - VISUAL RATINGS			AVERAGE CHLORIDE LEVEL (PPM) AT 1-2" DEPTH (2008)	GARAGE AGE (YEARS)	ESTIMATED CHLORIDE LEVEL (PPM) AT 1-2" DEPTH (CURRENT)	KNOWN POST-TENSION ISSUES?	DECK WP / SEALED SINCE?	EPOXY COATED TOP BARS?	EPOXY COATED BOTTOM BARS?	EAST END ORIGINAL DECK - ADJUSTED RATINGS		
2nd Level	4.84	4.85	676.67	36	974.40	YES	YES	NO	NO	2nd Level	3.40	3.86
3rd Level	4.73		2520.00		3628.80	YES	YES			3rd Level	2.50	
4th Level	4.95		405.00		583.20	NO	YES			4th Level	4.76	
5th Level	4.95		400.00		576.00	NO	YES			5th Level	4.77	

ASSUMED VALUE (NO DATA)

EAST END (ORIGINAL STRUCTURE)					
Inspection Ratings					
Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

ITEM	RATING
COLUMNS (12%)	6.06
BEAMS (17%)	5.87
DECK (25%) *adjusted rating	3.86
EXPANSION JOINTS (10%)	5.13
WATERPROOFING & SEALANTS (10%)	4.80
WALLS (5%)	5.64
STAIRS (5%)	4.58
VEHICLE BARRIERS (5%)	6.22
FAÇADE (5%)	5.33
ELEVATOR ENCLOSURES (5%)	5.56
SIGNAGE (1%)	5.20
OVERALL GARAGE RATING	**5.10**

9 = not visible - partially or fully obstructed

8 = not applicable

7 = new condition, no deterioration, functioning as originally designed

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1 = completely deteriorated or in failed condition

EAST END (ORIGINAL STRUCTURE)					
Inspection Ratings					
Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
COLUMNS	Ground	6.11	**6.06**	Generally in good shape. Some cracks, small spalls, water stains and / or signs of corrosion. Most needed locations repaired in 2015-2016. See Photos 1 & 2.
	2nd Level	6.20		
	3rd Level	6.08		
	4th Level	5.96		
	5th Level	5.85		

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
BEAMS	2nd Level	5.94	**5.87**	Generally in good shape. Some minor cracking, water stains, efflorescence and signs of corrosion. Repaired in 2015-2016. See Photos 3 & 4.
	3rd Level	5.92		
	4th Level	5.81		
	5th Level	5.65		

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
DECK	2nd Level	3.40	**VISUAL ONLY**	Some delaminated areas. Hairline cracks are common. Regular maintenance will be required. Decks are chloride-saturated throughout. See Photos 5 & 6.
	3rd Level	2.50		
	4th Level	4.76	**4.85**	
	5th Level	4.77		
			CHLORIDE ADJUSTED	
			3.86	

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EAST END (ORIGINAL STRUCTURE)					
Inspection Ratings					
Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
EXPANSION JOINTS	2nd Level	5.50	**5.13**	Expansion joints are dirty at many locations. Many joints repaired / replaced in 2010-2011 or 2015-2016. Header material is worn but functioning as intended. Joints are in need of cleaning. See Photos 7 & 8.
	3rd Level	5.50		
	4th Level	5.00		
	5th Level	4.50		

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
WATER-PROOFING & SEALANTS	Ground	4.00	**4.80**	Cove sealant and waterproofing needed at some curbs. Northeast portion of structure and all ramps had new waterproofing applied in 2010-2011 and 2015-2016. Deck should be cleaned to prevent future choloride infiltration. See Photos 9 & 10.
	2nd Level	4.00		
	3rd Level	4.00		
	4th Level	6.00		
	5th Level	6.00		

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
WALLS	Ground	5.72	**5.64**	Walls are generally in good shape throughout. Some wide cracking and small spalls present. Wall rating not applicable at 5th level. See Photos 11 & 12.
	2nd Level	5.94		
	3rd Level	5.40		
	4th Level	5.33		

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EAST END (ORIGINAL STRUCTURE)					
Inspection Ratings					
Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
STAIRS	Northwest	4.50	**4.58**	Stairs and nosings are showing signs of wear. Some painting, side spall repairs, door & windows replacement completed in 2010-2011 for worst areas. Rail mesh infill was installed at the Main Street stairs under the 2015-2016 contract. Railings need paint. Efflorescence, delamination and spalling is common throughout interior stairs. See Photos 13 & 14.
	Northeast	5.20		
	Southeast	4.20		
	Interior North	4.60		
	Interior South	4.40		

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
VEHICLE BARRIERS	Ground	6.44	**6.22**	Several bollards are loose or bent. Several locations with missing bolts in baseplate. Barrier cables show some corrosion. See Photos 15 & 16.
	2nd Level	6.32		
	3rd Level	6.24		
	4th Level	5.77		
	5th Level	6.08		

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
FAÇADE	North	5.0	**5.33**	Façade is generally in fair shape. The façade is in need of cleaning throughout. Some concrete repairs are needed for the exterior concrete and precast. Decorative steel fencing needs to be cleaned and painted where rusted. See Photos 17 & 18.
	East	6.0		
	South	8.0		
	West	5.0		

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EAST END (ORIGINAL STRUCTURE)					
Inspection Ratings					
Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
ELEVATOR ENCLOSURES	Southeast	6.00	**5.56**	Elevator enclosures are in good condition, no active signs of leaking discovered. Steel frame supporting window system has some surface rust indicating moisture has been present.
	Northwest	5.00		

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
SIGNAGE	Ground	6.00	**5.20**	Signage on first 3 levels is in good condition. Levels 4 and 5 is in poor condition. Difficult to read, faded and worn, graffiti in some spots. See Photo #19.
	2nd Level	6.00		
	3rd Level	6.00		
	4th Level	4.00		
	5th Level	4.00		

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APPENDIX A

ADDITION STRUCTURE – GARAGE RATINGS

YEAR BUILT = 1991

8 YEARS TIME PASSED SINCE 2011 RESULTS

CURRENT YEAR = 2019

EAST END ADDITION DECK - VISUAL RATINGS			AVERAGE CHLORIDE LEVEL (PPM) AT 1-2" DEPTH (2011)	GARAGE AGE (YEARS)	ESTIMATED CHLORIDE LEVEL (PPM) AT 1-2" DEPTH (CURRENT)	KNOWN POST-TENSION ISSUES?	DECK WP / SEALED SINCE?	EPOXY COATED TOP BARS?	EPOXY COATED BOTTOM BARS?	EAST END ADDITION DECK - ADJUSTED RATINGS		
2nd Level	4.95		600.00		840.00	NO	YES			2nd Level	4.60	
3rd Level	5.71		600.00		840.00	NO	YES			3rd Level	5.36	
4th Level	5.68	5.56	600.00	28	840.00	NO	YES	NO	NO	4th Level	5.33	5.16
5th Level	5.88		600.00		840.00	NO	YES			5th Level	5.53	
6th Level	5.32		600.00		840.00	NO	YES			6th Level	4.97	

ASSUMED VALUE (NO DATA)

EAST END ADDITION					
Inspection Ratings					
Inspection Dates:	7/11/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, TJ

ITEM	RATING
COLUMNS (12%)	5.69
BEAMS (17%)	5.95
DECK (25%) *adjusted rating	5.16
EXPANSION JOINTS (10%)	4.86
WATERPROOFING & SEALANTS (10%)	5.00
WALLS (5%)	5.43
STAIRS (5%)	4.89
VEHICLE BARRIERS (5%)	6.51
FAÇADE (5%)	5.00
ELEVATOR ENCLOSURES (5%)	5.18
SIGNAGE (1%)	5.00
OVERALL GARAGE RATING	**5.37**

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EAST END ADDITION					
Inspection Ratings					
Inspection Dates:	7/11/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, TJ

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
COLUMNS	Ground	5.32	**5.69**	Columns are generally in good shape. Some cracking and signs of minor corrosion/delamination.
	2nd Level	5.79		
	3rd Level	5.83		
	4th Level	5.86		
	5th Level	5.53		
	6th Level	5.68		

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
BEAMS	2nd Level	5.76	**5.95**	Beams are generally in good shape. Some signs of corrosion, efflorescence and small spalls.
	3rd Level	5.96		
	4th Level	6.09		
	5th Level	6.06		
	6th Level	5.84		

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
DECK	2nd Level	4.60	**VISUAL ONLY**	Deck is generally in good shape. Some spalls and hairline cracks were repaired in 2015-2016.
	3rd Level	5.36		
	4th Level	5.33	**5.56**	
	5th Level	5.53		
	6th Level	4.97		
			CHLORIDE ADJUSTED	
			5.16	

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EAST END ADDITION					
Inspection Ratings					
Inspection Dates:	7/11/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, TJ

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
EXPANSION JOINTS	2nd Level	5.50	**4.86**	Most expansion joints are in good shape. Many are dirty in some locations. Some tears/deterioration are present. Worst locations were repaired in 2010-2011 and 2015-2016.
	3rd Level	4.67		
	4th Level	4.67		
	5th Level	5.00		
	6th Level	4.67		

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
WATER-PROOFING & SEALANTS	Ground	0.00	**5.00**	Waterproofing at the closure pours was fully replaced duringthe 2010-2011 Contract. The entire elevated deck received application of a penetrating sealer during the 2015-2016 contract. Some sports are worn through. Deck should be cleaned to mitigate further cholride penetration. See Photo #10.
	2nd Level	5.00		
	3rd Level	5.00		
	4th Level	5.00		
	5th Level	5.00		
	6th Level	5.00		

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
WALLS	Ground	5.06	**5.43**	Walls are genearlly in good condition. Some minor hairline cracking and small spalls present.
	2nd Level	5.45		
	3rd Level	6.22		
	4th Level	5.43		
	5th Level	5.43		
	6th Level	5.00		

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EAST END ADDITION					
Inspection Ratings					
Inspection Dates:	7/11/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, TJ

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
STAIRS	Northwest	5.00	**4.89**	Stairs are showing wear. Rust is common throughout. CMU cracking at garage interface at southwest stair.
	Northeast	4.00		
	Southwest	5.67		

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
VEHICLE BARRIERS	Ground	6.24	**6.51**	Vehicle barriers are generally in good condition. One barrier strand has the protective coating damaged and has corrosion. Locations with missing bollards.
	2nd Level	6.17		
	3rd Level	6.76		
	4th Level	6.51		
	5th Level	6.73		
	6th Level	6.44		

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
FAÇADE	North	8.0	**5.00**	The façade is generally in fair condition. Cleaning of the façade is needed on the west and east sides. Hairline cracks are common throughout.
	East	5.0		
	South	5.0		
	West	5.0		

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EAST END ADDITION					
Inspection Ratings					
Inspection Dates:	7/11/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, TJ

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
ELEVATOR ENCLOSURES	Northeast	5.50	**5.18**	Elevator enclosures are generally in good condition. Signs of minor moisture discovered. Gaskets have been compromised in Southwest enclosure. Organic growth present. Further investigation from within shaft is required.
	Southwest	4.80		

		LEVEL RATINGS	OVERALL RATING	SUMMARY NOTES
SIGNAGE	Ground	5.00	**5.00**	Multiple signs are faded and show signs of wear. Multiple signs are not hanging. Exit signs are bent. Preliminary design for signage replacement was started, but not completed suring the 2015-2016 contract.
	2nd Level	5.00		
	3rd Level	5.00		
	4th Level	5.00		
	5th Level	5.00		
	6th Level	5.00		

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APPENDIX B

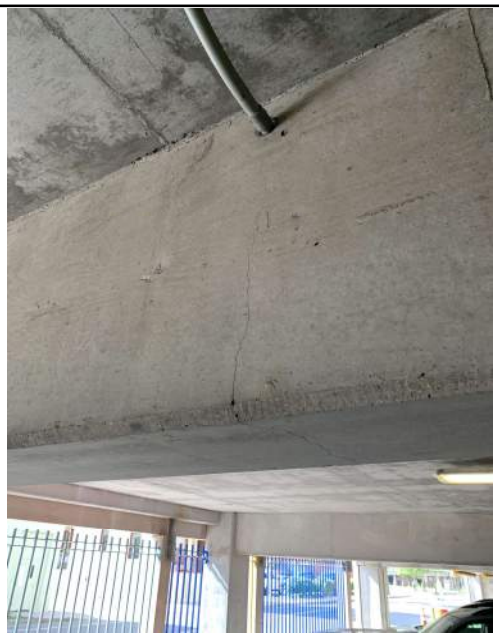
PHOTO LOG

Insp. Dates: 07/02/2019 to 08/21/2019		
Inspection Photos		
Garage: EAST END		

Column Case 1 Columns are generally in good shape however some locations have concrete spalling or exposed rebar. Hairline cracking and staining is also common.	 Photo #1
Typical Column Condition Typical column with hairline cracking.	 Photo #2

Insp. Dates: 07/02/2019 to 08/21/2019		
Inspection Photos		
Garage: EAST END		

Typical Beam Condition Typical Beam. Light efflorescence beginning at the Deck/Beam intersection.	
	Photo #3

Typical Beam Condition Beam with typical hairline cracking.	
	Photo #4

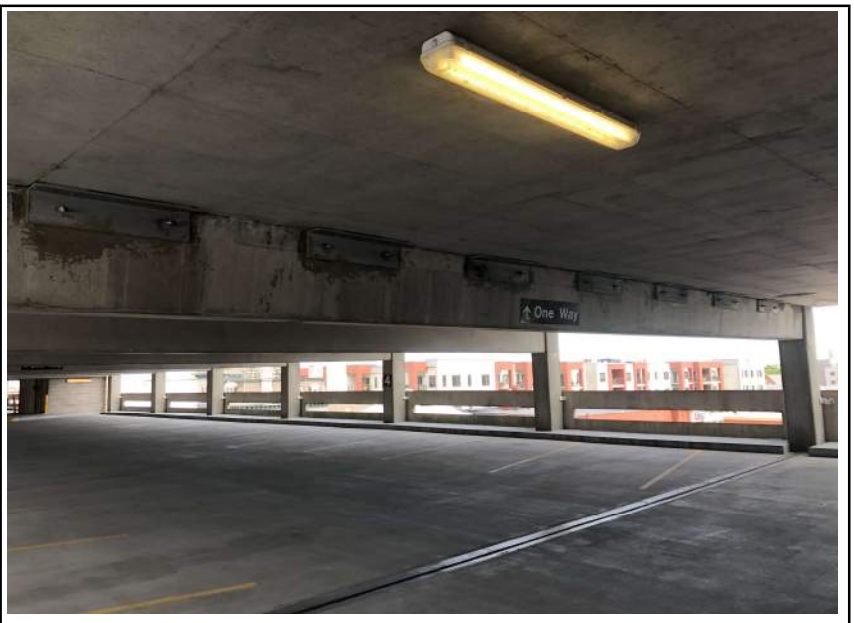
Insp. Dates: 07/02/2019 to 08/21/2019		
Inspection Photos		
Garage: EAST END		

Typical Deck Condition Typical deck with small delaminations.	
	Photo #5

Deck Case 1 Large deck delaminations with efflorescence at the deck/beam intersection.	
	Photo #6

Insp. Dates: 07/02/2019 to 08/21/2019		
Inspection Photos		
Garage: EAST END		

Expansion Joint Case 1 Dirt in gland, header is worn but in good shape. Water pooling on top of joint. Water runs off end of joint and drips to floor below.	
	Photo #7

Expansion Joint Case 2 Expansion Joint in poor condition. Water is penetrating joint and heavy spalling/delamination has occurred on beam below.	
	Photo #8

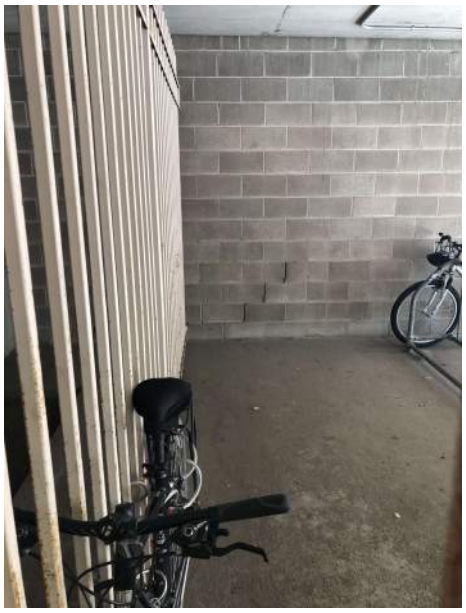
Insp. Dates: 07/02/2019 to 08/21/2019		
Inspection Photos		
Garage: EAST END		

WP & Sealant Case 1 Wear showing on waterproofing membrane.	
	Photo #9

WP & Sealant/Deck Case 1 Heavy chloride deposits on deck/waterproofing. Should be cleaned to avoid future deterioration of waterproofing, deck and beam below.	
	Photo #10

Insp. Dates: 07/02/2019 to 08/21/2019		
Inspection Photos		
Garage: EAST END		

Typical Wall Condition Typical wall showing staining and spots of light efflorescence.	
	Photo #11

Wall Case 1 Typical masonry wall with step cracking.	
	Photo #12

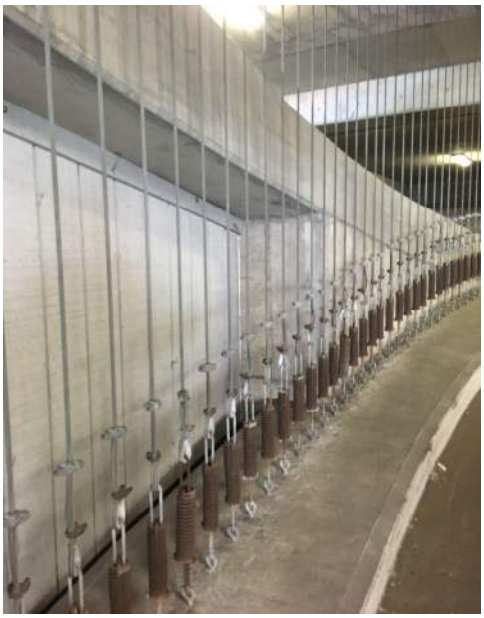
Insp. Dates: 07/02/2019 to 08/21/2019		
Inspection Photos		
Garage: EAST END		

Typical Stairs Condition Typical example of stair nosings. Starting to show wear but functioning as intended.	
	Photo #13

Stairs Case 1 Heavy rust/rust staining, efflorescence and delamination is common at interior stairs.	
	Photo #14

Insp. Dates: 07/02/2019 to 08/21/2019		
Inspection Photos		
Garage: EAST END		

Vehicle Barrier Case 1 Bent vehicle barrier.	
	Photo #15

Vehicle Barrier Case 2 Typical cables. Surface rust/light corrosion is common throughout.	
	Photo #16

Insp. Dates: 07/02/2019 to 08/21/2019		
Inspection Photos		
Garage: EAST END		

Typical Façade Condition Typical façade image. Spots with spalled concrete. Staining throughout.	
	Photo #17

Façade Case 1 Elevation view of façade. Staining throughout with some spots needing concrete repair.	
	Photo #18

Insp. Dates: 07/02/2019 to 08/21/2019		
Inspection Photos		
Garage: EAST END		

Signage Case 1 Upper level signs are worn and difficult to read.	
	Photo #19

APPENDIX C

ORIGINAL STRUCTURE – HIGH PRIORITY

EAST END (ORIGINAL STRUCTURE)					
High Priority Items					
Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

Columns

Column Mark:	Column Rating:	Notes
Ground Level Columns		
J-8	3	Fixed in 2010, Hairline cracks, rust stain, 4lf wide cracks, open cracks, (2)-2 sf delams, pic #8-9(2019)

Beams

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
2nd Level Beams			
114	113	3	Hairline cracks, some Effloresence, hairline/open crack at col. 113 possible 3 sf delamination, exposed rebar (Image: Beam_2019-16)
3rd Level Beams			
K-1	L-1	3	exposed bars outside face, visible delamination, corrosion (Repaired) (Image: Beam_2019-56)
L-1	M-1	3	exposed bars outside face, visible delamination, corrosion (Repaired) (Image: Beam_2019-57, 58)
5th Level Beams			
J-10	J-8	3	Hairline cracks, heavy water stains exp. joint above,full length spalling on south face beam/slab cxn (Image: Beam_2019-121-126)

Deck

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes
2nd Level Deck						
3rd Level Deck						
L-10	L-8	K-10	K-8	3	25SF delaminations, 2 sf spalls with exposed bar, 8 sf rust & water stains, patches w/ delamination, pic #43-45(2019)	Waterproofing is worn
K-10	K-8	J-10	J-8	3	Minor spalls (West end), rust stain, 1 sf delamination, 2 sf spall with exposed bar, pic #46-47(2019)	Waterproofing is worn, curb worn

Expansion Joints

Level	Location	Joint Rating:	Expansion Joint Notes
4th Level	Upper 4, J column line	3	Tears in sealant below, dirty joint material, water stains below, leaking @ east and west ends. Debris in joint. (Exp. Jt. 15, 16, 17, 18_2019)
5th Level	North East stair	3	Water marks below, New Joint Sealant placed in 2011, tears in sealant @ cmu face, sealant cracked. (Exp. Jt. 22, 23, 24_2019)

EAST END (ORIGINAL STRUCTURE)					
High Priority Items					
Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

Stairs

Location	Level	Stair Rating:	Stair Notes:
Northwest	4	3	8 SF map cracking under stairs. 6 areas of delamination at railing posts - 2 have been previously patched - patch delamination started. Painted window frames ok, painted railings worn. Minor rusting at rail post bases. Window frames at roof - heavy rusting/water infiltration. Efflorescence visible on concrete below roof window frames.

Vehicle Barriers

Level	Location	Conc.	Steel	Cable	Wood	Veh. Barr. Rating:	Vehicle Barriers Notes:
2nd Level	B - 9		x			3	Bollard loose

APPENDIX C

ORIGINAL STRUCTURE – MEDIUM PRIORITY

EAST END (ORIGINAL STRUCTURE) *Medium Priority Items*					
Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

Columns

Column Mark:	Column Rating:	Notes
Ground Level Columns		
S-10	5	Hairline cracks at base, exposed rebar tie, pic #3(2019)
O-10	5	1sf delamination at precast, pic #1(2019)
M-10	5	Hairline cracks, small spalling (1sf), Cracking outside face, patch with crack, pic #2
K-8	5	Hairline cracks, 8 lf open cracks
J-3	5	Hairline cracks, Open/Wide Crack at beam intersection (West Face), 50% visible, pic #10(2019)
103 (N)	5	Hairline cracks, 50% visible, 2SF delamination @ outside, pic # 13
M-5	5	2 sf Delamination at base/edge, pic #15(2019)
2nd Level Columns		
J-8	4	Patch in 2010-2011, Hairline cracks visible, rust stains, water stains, cracks in patch, pic #16-17, 20(2019)
N-8	5	light efflorescence at p/t caps, rust near p/t, pic #19(2019)
O-8	5	light efflorescence at p/t caps, rust near p/t
Q-8	5	Hairline cracks, efflorescence & light rust from p/t caps - both
R-8	5	Hairline cracks, efflorescence from p/t caps, 1SF delamination
101 (S)	5	Hairline cracks @ beam, rust at p/t, minor rust stains
P-5	5	Rust stains & light efflorescence at p/t caps
3rd Level Columns		
C-9	5	Hairline cracks, water stains, 3" exposed mesh, 1 sf delamination at bar with no cover, pic #22(2019)
J-8	5	Jt. cracks, hairline cracks, efflorescence, rust stains, water stains, large cracks in 1SF spall, pic #23(2019)
R-8	5	Light efflorescence from p/t caps hairline cracks, 2SF delamination, LOOK @ LVL 4

EAST END (ORIGINAL STRUCTURE) *Medium Priority Items*					
Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

Column Mark:	Column Rating:	Notes
A+-6	5	75% visible, Hairline cracks, efflorescence at deck and column interface, rust

4th Level Columns

S-10	5	75% visible, 2 sf Spalling 4" exposed bar/reinforcement, pic #27(2019)
R-10	5	75% visible, 1 sf Spalling 4" exposed bar/reinforcement, pic #28(2019)
Q-10	5	75% visible,1 sf Delamination with 6" exposed bar, hairline cracks, 1SF spall, pic #29(2019)
O-10	5	75% visible,1' sq. delamination, rust stains
N-10	5	75% visible, Hairline cracks, 1 sf spalling
L-10	5	75% visible, 1' sq. & (2)-6" sq. delamination, ready to spall, tie showing, pic #32(2019)
I-10	5	75% visible, Hairline cracks, efforescence
F-10	5	75% visible, Hairline cracks, rust stains, 2 sf delamination, pic #34(2019)
E-10	5	75% visible, Hairline cracks, 1 lf open cracks @ top
C-9	5	Hairline cracks, efflorescence/rust from p/t caps & at deck/column, 1 lf with efflorescence
D-8	5	Hairline crack, efflorescence from p/t caps & at beam/column, exposed rebar, pic #35(2019)
F-8	5	Hairline crack @ beam, light efflorescence from p/t caps, efflorescence at beam/column
G-8	5	Hairline cracks, 1sf spalling bar w/ no cover, eff. from p/t caps & beam/column, pic #36(2019)
I-8	5	Hairline cracks @ CJ, efflorescence heavy at beam/column, rust stains, 2SF delam. @ top
J-8	5	Hairline cracks, efflorescence, rust stains @ p/t
R.6-9	5	Hairline cracks, efflorescence at deck/column
K-1	4	75% visible, 1 sf delamination at precast anchor

5th Level Columns

B-10	5	Weathered, corner spall
E-8	5	Hairline cracks, rust from light post

EAST END (ORIGINAL STRUCTURE) *Medium Priority Items*					
Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

Beams

2nd Level Beams

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
U-10	U-9	5	Open cracks at U-10 bottom and side (Image: Beam_2019-1)
T.5-9	R.6-9	5	Hairline cracks, 1" & 4" long grease stain bottom face
P-8.2	O-8.2	4	Hairline cracks, rust stains, 4 sf spalling at previous repair, Picture #22, 4 lf open crack with efflorescence (Images: Beam_2019-3, 4, 5, 6)
J-10	J-8	5	Repaired in 2010-2011, corrosion, effloresence, possible delamination Picture #19 & 20 (Image: Beam_2019-12, 13)
GN G-8.2	F-8.2	5	Possile delamination, small horizontal cracks, grease stains (Image: Beam_2019-14, 15)
T.5-7	R.6-7	5	Hairline cracks, 2 lf diagonal open crack at R.6-7 (Image: Beam_2019-17)
J-6	J-8	4	Repaired in 2010-2011, rust stains, bottom and south faces waterproofed (Beam_2019-19)
G-7.8	F-7.8	5	light effloresence, rust stains, 1 sf surface delamination at bar with no cover (Beam_2019-20)
J-1	K-1	5	Outside view obstructed by precast
K-1	L-1	5	Outside view obstructed by precast
L-1	M-1	5	Outside view obstructed by precast
M-1	N-1	5	Outside view obstructed by precast
N-1	N.4-1	5	Outside view obstructed by precast
107	109	5	Hairline cracks, effloresence, wide crack, possible delamination @ 107 (Image: Beam_2019-22)

3rd Level Beams

G-7.8	F-7.8	4	Heavy efflorescence at bottom of stairs and beam (Image: Beam_2019-39, 40)
K-8	K-6	5	Small Grease Spot mid-span 4" long.
P-8	GN P-6	5	2" & 6" dia. Grease spot mid-span, Hairline cracks (Image: Beam_2019-43)
G 110	G 114	4	Exposed Rebar @ Col. 113-T.5 (Image: Beam_2019-37, 47)
G 114	G 113	4	Small spall, some exposed rebar with no cover (Image:Beam_2019-46)
U-10	U-9	5	Hairline cracks, widening cracks at mid-span (Image: Beam_2019-36)

EAST END (ORIGINAL STRUCTURE) *Medium Priority Items*					
Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
S-10	GN S-9	5	3" dia. Grease spot mid span (Image: Beam_2019-34)
P-10	P-8	5	2" & 6" sq. Grease spot mid-span, efflorescence (Image: Beam_2019-31)
G P.8-2	G O-8.2	5	1 lf open crack, efflorescence at bottom of stairs and beam (Image: Beam_2019-28, 29)
N-10	N-8	5	3" dia. Grease spot mid-span, efflorescence from deck (Image: Beam_2019-27)
J-10	J-8	5	Hairline cracks, 8 sf total delaminations on south face, south face waterproof except at area of delamis (Image: Beam_2019-25)
J-1	K-1	5	exposed bars external face, spalling, corrosion (Repaired) (Image: Beam_2019-55)
M-1	N-1	4	exposed bars, visible delamination, corrosion (Repaired)
N-1	N.4-1	5	outside view obstructed by precast

4th Level Beams

G A+-7	G C-7	5	Exp. Reinf. (Bad Constr.), Hairline cracks, Heavy efflorescence at ends, Picture #10 North, #9 South (Image: Beam_2019-100, 101)
A+-7	A+-6	4	Hairline cracks, water stains, spall w/exposed rebar S. face east end @ col. seam (Image:Beam_2019-99)
E-8	E-6	5	Hairline cracks, 3" dia. Grease spot mid-span, surface imperfections (Image: Beam_2019-98)
GN F-7.9	GN G-7.9	4	Rust stain, Hairline cracks, heavy efflorescence, possible delamination (Bm. supports stair) (Image: Beam_2019-95, 96, 97)
J-8	J-6	5	Water stains, Rust stains, south face has waterproofing, horiz cracking, eff along north face (Image: Beam_2019-88-93)
K-8	GN K-6	4	Hairline cracks, 4 sf delamination bott. & sides mid-span, horiz cracking @ mid-span (Image: Beam_2019-85, 86, 87)
O-8	GN O-6	5	Hairline cracks, cracking/rust stains mid-span, horiz cracking at patch at mid-span (Image:Beam_2019-82, 83)
G O-7.9	P-7.0	4	Hairline cracks, heavy efflorescence, 3-sided crack forming (Bm. Supports stairs) (Image: Beam_2019-80,81)
G P-6	J-6	5	Cracking all sides w/grease 2" at bm. Tie-in, Hairline cracks, Diag. cracks at col. Corners, Picture #14 (Images: Beam_2019-102-108)
J-4	M-4	5	Hairline cracks, water staining, horiz cracking n. end, e. face near deck/beam, 1" dia grease stain (Image: Beam_2019-109, 110)
J-2	GN M-2	5	Cracking (North End), Hairline cracks, Grease spot mid-span 4" long (Image: Beam_2019-111)
J-1	K-1	5	Hairline cracks, outside view obstructed by precast, efflorescence at J-1
103-(N)	P-3	5	Hairline cracks, 3-sided crack near P-3, corner crack @P-3

EAST END (ORIGINAL STRUCTURE)
Medium Priority Items

Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
P-3	M-3	5	Hairline cracks, cont. crack 1/3 span, small edge spall, light efflorescence @ P-3
P-4	M-4	5	6" sq. Grease spot mid-span, Hairline cracks, effloresence from deck above (Image: Beam_2019-114, 115)
P-5	M-5	5	Crack 3-sides mid-span, Hairline cracks, grease stain 2" dia., light efflorescence from deck (Image: Beam_2019-116, 117)
G P-8.2	G 0-8.2	5	Rust stains from stair, (Bm. Supports stairs) (Image: Beam_2019-68, 69, 70, 71, 72)
M-10	M-8	5	Hairline cracks, 3" dia. grease stain at crack mid-span (Image: Beam_2019-67)
L-10	L-8	5	Hairline cracks, 2" dia. grease stain at crack mid-span (Image: Beam_2019-66)
G G8.2	G F-8.2	4	Rust stains, 3 lf open & 3 lf wide crack, efflorescence at stair bottom and beam (Image: Beam_2019-59, 60, 61)

5th Level Beams

U-10	U-9	5	2-Sides visible, Full depth crack, Hairline cracks, Horiz crack near U-9
U-9	T.5-9	5	Hairline cracks, efflorescence at construction joint, weathering
GN P-9.8	GN O-9.8	4	Hairline cracks, water stains, 5lf open/wide crack, possible delamination (Image: Beam_2019-118)
L-10	L-8	5	Hairline cracks, (2)-1" dia. Grease at mid-span (Image: Beam_2019-119)
GN F-9.8	GN G-9.8	4	Hairline cracks, some heavy efflorescence, rust stains (Image: Beam_2019-127, 128, 129)
C-10	C-9	5	Repaired in 2010-2011, crack close to col. C-9 follows beam cross section
A+-9	C-9	5	Hairline cracks, heavy efflorescence at mid-span deck/beam, eff @ N. Beam end near PT (Image: Beam_2019-131, 132, 133)

Deck

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes
2nd Level Deck						
U-10	U-9	T-10	GN T-9	5	20' hairline crack	Deck is still chloride saturated and waterproofing is worn, heavy debris on deck
T-10	GN T-9	S-10	GN T-9	5	60' hairline crack, 2" dia. Grease	Waterproofing is worn, drain has heavy rust
S-10	GN S-9	R-10	R-8	5	30' hairline crack from corner of a previous repair, 1 sf delamination	Deck is still chloride saturated and waterproofing is worn

EAST END (ORIGINAL STRUCTURE)
Medium Priority Items

Inspection Dates: 7/2/19 to 8/21/19 **Inspector(s):** ZBR, JCH, KWK

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes
R-10	R-8	Q-10	Q-8	5	30' hairline crack, 12 lf efflorescence with rust stains, water stains & 12 sf scale by drain (West end)	Deck is still chloride saturated and waterproofing is worn, drain os heavily damaged/ clogged/rusted, pic #52(2019)
Q-10	Q-8	P-10	P-8	5	70% visible, 20' hairline crack, efflorescence in patch	Deck is still chloride saturated and waterproofing is worn
P-10	P-8	O-10	O-8	5	20' hairline crack	Deck is still chloride saturated and waterproofing is worn, curb is worn
O-10	O-8	N-10	N-8	5	30' hairline crack (Diagonal), 1 sf delamination, 2 sf poorly filled patch, pic #61(2019)	Deck is still chloride saturated and waterproofing is worn
N-10	N-8	M-10	M-8	5	Rust spot (East end), 40' hairline crack, efflorescence along bm. on N 2 lf, 3 lf hairline crack with efflorescence, 1SF delamination	Deck is still chloride saturated and waterproofing is worn, drain os heavily damaged/ clogged/rusted, pic #53(2019)
M-10	M-8	L10	L-8	5	10' hairline crack, rust spot each end middle, 4 lf hairline crack with scale & water stains, grease stains, efflorescence in patch, 4SF delamination in patch, pic #62-64(2019)	Waterproofing is worn
L-10	L-8	K-10	K-8	5	15' diagonal hairline cracks, rust staining, 6SF possible delamination	Waterproofing is worn
K-10	K-8	J-10	J-8	5	75% visible, 15' hairline cracks, 3 lf hailine cracks with efflorescence, rough patches	Deck is still chloride saturated and waterproofing is worn
J-10	J-8	I-10	I-8	5	70% visible, Rust stain West end at col., Bad jt. Along J ??, 1/3 in office, waterproofing on underside over office, rough patch	Deck is still heavily chloride saturated and waterproofing is worn, drain in need of repair, pic #54-55(2019)
GN I-9.8	I-8	GN H-9.8	H-8	5	85% visible, 2SF delamination in patch	Deck is still heavily chloride saturated and waterproofing is worn
GN H-9.8	H-8	GN G-9.8	G-8	5	85% visible, OK	Deck is still chloride saturated and waterproofing is worn
GN G-9.8	G-8	GN F-9.8	F-8	5	10 lf hairline cracks	Deck is still chloride saturated and waterproofing is worn, curb is worn and cracked
F-10	F-8	E-10	E-8	5	70% visible, OK	Deck is still chloride saturated and waterproofing is worn, drain is heavily rusted
E-10	E-8	D-10	D-8	5	OK	Deck is still chloride saturated and waterproofing is worn, curb is worn
D-10	D-8	C-10	C-8	4	2 sf spall w/rebar showing col C-9	Deck is still chloride saturated and waterproofing is worn, drain is heavily rusted
C-10	C-7	B-10	GN B-7	4	20" hairline cracks, cracking near previous patch, 4 lf hairline cracks with efflorescence, 6 sf rust & water stains, 4SF delamination, pic #65(2019)	Deck is still chloride saturated and waterproofing is worn, middle worn through
B-10	GN B-9	A+-10	A+-9	4	(West end) - 20' hairline crack, effloresence & rust stains, 6 sf rust & water stains, 9SF delmaination, pic #66(2019)	Deck is still chloride saturated and waterproofing is worn, middle worn through, curb worn
A+-6	A+-7	B-6	GN B-7	5	15' hairline cracks, 6" sq spalling @ 7 anchor bolt locations, 5 lf heavy rust/grease stain East end, efflorescence	Waterproofing is worn, drain in need of repair, pic #56(2019)
B-6	GN B-7	C-6	GN C-7	5	OK	Waterproofing is worn
C-6	GN C-7	D-6	D-8	5	20' hairline cracks	Waterproofing is worn, drain in need of repair, pic #57(2019)
D-6	D-8	E-6	E-8	5	5' hairline cracks, water stains	Deck is still chloride saturated and waterproofing is worn, spalls in waterproofing
E-6	E-8	F-6	F-8	5	20' hairline cracks, drain rusted	Deck is still chloride saturated and waterproofing is worn, small spall in waterproofing

EAST END (ORIGINAL STRUCTURE)
Medium Priority Items

Inspection Dates: 7/2/19 to 8/21/19 **Inspector(s):** ZBR, JCH, KWK

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes
F-6	F-8	G-6	G-8	5	20' hairline cracks, 1sf spall West end edge of deck, rust stains at 6" sq. plywood cover	Deck is still chloride saturated and waterproofing is worn, curb is worn
G-6	G-8	H-6	H-8	5	20' hairline cracks	Deck is still chloride saturated and waterproofing is worn, curb is worn
H-6	H-8	I-6	I-8	4	2' sq. delamination with rust stains at embedded electrical boxes east end	Deck is still chloride saturated and waterproofing is worn. 1sf lifted/cracked w.p.
I-6	I-8	J-6	J-8	4	small rust stain w/effloresence, 2' sq. delamination at J-beam	Deck is still chloride saturated and waterproofing is worn, drain in need of repair, pic #58(2019)
J-6	J-8	GN K-6	K-8	5	20' hairline cracks, water stains from joint. Rust/grease stain mid-span South side 7 sf, but a lot of new P/T repairs	Deck is still chloride saturated and waterproofing is worn, curb is worn
GN K-6	K-8	GN L-6	L-8	5	20' hairline cracks, 12 sf water stains, P/T repairs done, 4SF delamination @ patch, rough patch work	Deck is still chloride saturated and waterproofing is worn
GN L-6	L-8	GN M-6	M-8	5	30' hairline cracks. Rust stains/grease West end 3 sf, 3SF possible delamination, rough patch work	Deck is still chloride saturated and waterproofing is worn, curb is worn
GN M-6	M-8	GN N-6	N-8	4	10' hairline cracks, 4SF delamination, pic #67(2019)	Deck is still chloride saturated and waterproofing is worn, curb is worn
GN N-6	N-8	GN O-6	O-8	5	25' hairline cracks, light out	Deck is still chloride saturated and waterproofing is worn
GN O-6	O-8	P-6	P-8	5	30' hairline cracks, multiple water stain circles	Deck is still chloride saturated and waterproofing is worn
P-6	P-8	Q-6	Q-9	5	25' hairline cracks, form left on (2x4), water stains	Deck is still chloride saturated and waterproofing is worn
Q-6	Q-8	R-6	R-8	5	16' hairline cracks, drain rusted, water stains	Deck is still chloride saturated and waterproofing is worn
R-6	R-8	110	GN S-7	5	15' hairline cracks, rust stains	Deck is still chloride saturated and waterproofing is worn
110	GN S-7	110	T.5-7	5	60' hairline cracks, 6" efflorescence at deck & column 110	Membrane worn, exposed p/t anchors in curb for ramp, driving lane worn through, curb worn, pic #59-60(2019)
J-6	J-5	M-6	M-5	5	30' hairline cracks	Waterproofing is worn, curb worn, rust stains
M-6	M-5	P-6	P-5	5	50' hairline cracks, grease stains, 6SF possible delamination	Waterproofing is worn, curb worn
P-6	P-5	106	107	5	30' hairline cracks, minor grease, rust spots at pipe penetration, rough patch	Waterproofing is worn, curb worn
P-5	P-4	M-5	M-4	4	(4) - 3" dia. Rust spots W/effloresecne, 2sf delam. w/rust	Waterproofing is worn
M-5	M-4	J-5	J-4	5	(2) - 3" dia. rust spots w/effloresence	Waterproofing is worn, drain rusted, curb worn
J-4	J-3	M-4	M-3	4	Efflorescence (2) - 3" dia. & 2 lf along beam & deck, grease stain	Waterproofing is worn
M-4	M-3	P-4	P-3	4	Rust stains w/effloresence (5) - 3" dia., 8 sf water stain with light efflorescence along beam	Waterproofing is worn
103-(N)	103-(S)	101-(N)	101-(S)	5	20' hairline cracks, 6' hairline crack w/rust/effloresence	Waterproofing is worn
P-3	102-(S)	M-3	M-2	5	Rust/grease stains w/effloresence (7) - 3" dia.	Waterproofing is worn
M-3	M-2	J-3	J-2	5	grease stains w/effloresence (5) - 3" dia.	Waterproofing is worn, small bubbles in waterproofing

EAST END (ORIGINAL STRUCTURE)
Medium Priority Items

Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes
J-2	J-1	M-2	M-1	5	light rust stains w/effloresence (2) - 3" dia.	Waterproofing is worn
M-2	M-1	N.4-1	102-(S)	5	Couple rust stains w/effloresence (1) - 3" dia., water stains	Waterproofing is worn
S.7 - 9	S.7 - 7	R.6 - 9	R.6 - 7	5	60% visible, OK	[RAMP DOWN (2-1)], Waterproofing is worn, sidewalks have no waterproofing
B - 9	B - 7	A+ - 9	A+ - 7	5	Inside garage area, No access	[RAMP UP (1-2)], Waterproofing is worn, cracks in curb, waterproofing worn through in spots
T.5 - 9	T.5 - 7	S.7 - 9	S.7 - 7	5	30' of hairline cracks, crack w/spalling, effloresence	[RAMP UP (2-3)], Waterproofing is worn, sidewalks have no waterproofing
C - 9	C - 7	B - 9	B - 7	5	Rust stains	[RAMP DOWN (2-2)], Waterproofing is worn

3rd Level Deck

U-10	U-9	T-10	GN T-9	5	Plywood cover, 3' hairline cracks, 6 lf hairline cracks with light efflorescence, possible patch delamination, 1SF delamination @ pipe, pic #21(2019)	Waterproofing is worn
T-10	GN T-9	S-10	GN S-9	4	2 sf possible delaminations, 2 sf water & rust stains, pic #22-23(2019)	Waterproofing is worn
S-10	GN S-9	R-10	R-8	5	1sf light spalling (East end) - FIXED	Waterproofing is worn
R-10	R-8	Q-10	Q-8	5	3sf spalling (East end) - FIXED, efflorescence/rust/spalling @ drain	Waterproofing is worn
Q-10	Q-8	P-10	P-8	4	12 sf water & rust stains, poorly filled spall repairs, 4SF delamination, pic #24-26(2019)	Waterproofing is worn, curb rust
P-10	P-8	O-10	O-8	4	12 sf water & rust stains, 25SF delamination (patch), 15SF delaminations, (2) poorly filled spall repairs, pic #27-29(2019)	Waterproofing is worn, curb worn
O-10	O-8	N-10	N-8	4	1'sq spalling, patches of rust stains, East end patched, 30 sf rust & water stains & 30SF is delaminated / spalling in places, pic #30-34(2019)	Waterproofing is worn, curb worn
N-10	N-8	M-10	M-8	4	30SF total delaminations, 18 sf rust & water stains, pic #35-39(2019)	Waterproofing is worn, drain rusted
M-10	M-8	L-10	L-8	4	24 sf rust & water stains, 20SF delaminations, pic #40-42(2019)	Waterproofing is worn
J-10	J-8	I-10	I-8	4	OK	Deck is still chloride saturated and waterproofing is worn, drain needs work, pic #17(2019)
I-10	I-8	H-10	H-8	5	3" sq. delamination at previous patchs	Deck is still chloride saturated and waterproofing is worn
H-10	H-8	G-10	G-8	5	OK	Deck is still chloride saturated and waterproofing is worn
G-10	G-8	F-10	F-8	5	OK	Deck is still chloride saturated and waterproofing is worn, curb is worn

EAST END (ORIGINAL STRUCTURE)
Medium Priority Items

Inspection Dates: 7/2/19 to 8/21/19 **Inspector(s):** ZBR, JCH, KWK

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes
F-10	F-10	E-10	E-8	4	OK, drain heavily rusted	Deck is still chloride saturated and waterproofing is worn, drain needs work, pic #18(2019)
E-10	E-8	D-10	D-8	5	Multiple 1' sq spalling (East end), minor rust stains	Deck is still chloride saturated and waterproofing is worn, curb is worn
D-10	D-8	C-10	C-8	5	Minor rust stains	Deck is still chloride saturated and waterproofing is worn, drain needs work, pic #19(2019)
C-10	C-9	B-10	GN B-9	5	2" sq Grease stain (West end)	Deck is still chloride saturated and waterproofing is worn, curb is worn
B-10	GN G-9	A+-10	A+-9	5	OK	Membrane wear at ramp, 2' curb hairline cracks, curb is worn
A+-6	A+-7	B-6	GN B-7	5	10' hairline cracks, (5'sq spalling - FIXED), heavy water stains at (3) anchor bolts	Waterproofing is worn, drain needs work, pic #20(2019)
B-6	GN B-7	C-6	GN C-7	5	OK	Waterproofing is worn
C-6	GN C-7	D-6	D-8	5	OK	Deck is still chloride saturated and waterproofing is worn.
D-6	D-8	E-6	E-8	5	OK	Deck is still chloride saturated and waterproofing is worn.
E-6	E-8	F-8	F-8	5	OK	Deck is still chloride saturated and waterproofing is worn, drain is rusted
F-6	F-8	G-6	G-8	5	2 lf hairline cracks with heavy efflorescence & rust stains near stairs	Waterproofing is worn, curb has wear
G-6	G-8	H-6	H-8	5	Water stains	Deck is still chloride saturated and waterproofing is worn, curb has wear
H-6	H-8	I-6	I-8	5	2 sf delamination in patch, minor rust at center, pic #51(2019)	Deck is still chloride saturated and waterproofing is worn
I-6	I-8	J-6	J-8	5	OK	Deck is still chloride saturated and waterproofing is worn, drain is rusted
J-6	J-8	GN K-6	K-8	5	8' hairline cracks, 1sf Delam. East end, rust stains	Deck is still chloride saturated and waterproofing is worn, curb has wear, minor rust stains
GN K-6	K-8	GN L-6	L-8	5	OK	Deck is still chloride saturated and waterproofing is worn
GN L-6	L-8	GN M-6	M-8	5	1 sf Rust stain	Deck is still chloride saturated and waterproofing is worn, curb has wear
GN M-6	M-8	GN N-6	N-8	5	Water stains	Deck is still chloride saturated and waterproofing is worn, curb has wear
GN N-6	N-8	GN O-6	O-8	5	2" dia. Grease stain, water stains	Deck is still chloride saturated and waterproofing is worn
GN O-6	O-8	P-6	P-8	5	6 lf hairline cracks with light efflorescence, water stains	Deck is still chloride saturated and waterproofing is worn, curb has wear
P-6	P-8	Q-6	Q-8	5	(2)-2" dia. Light grease,12' hairline cracks	Deck is still chloride saturated and waterproofing is worn, curb has wear
Q-6	Q-8	R-6	R-8	5	OK	Deck is still chloride saturated and waterproofing is worn, curb has wear
R-6	R-8	110	GN S-7	5	6 lf hairline cracks with light efflorescence, 3SF delamination @ patch, drain rusted, pic #50(2019)	Deck is still chloride saturated and waterproofing is worn, curb has wear
110	GN S-7	110	T.5-7	4	Water stains	Deck is still chloride saturated and waterproofing is worn

EAST END (ORIGINAL STRUCTURE)
Medium Priority Items

Inspection Dates: 7/2/19 to 8/21/19 **Inspector(s):** ZBR, JCH, KWK

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes
J-6	J-5	M-6	M-5	5	OK	Deck is still chloride saturated and waterproofing is worn, membrane bubbled up in spots, curb is worn
M-6	M-5	P-6	P-5	5	40' hairline cracks	Deck is still chloride saturated and waterproofing is worn, curb is worn, large oil spill
P-6	P-5	106	107	5	10' hairline cracks, water stains	Waterproofing has wear
P-5	P-4	M-5	M-4	5	3' hairline cracks	Waterproofing is worn.
M-5	M-4	J-5	J-4	5	1 sf delamination @ beam	Deck is still chloride saturated and waterproofing is worn, membrane bubbled up in spots
J-4	J-3	M-4	M-3	4	3' hairline cracks with efflorescence at drain, 2 sf poorly filled patch, pic #49(2019)	Deck is still chloride saturated and waterproofing is worn, membrane bubbled up in spots
M-4	M-3	P-4	P-3	4	3' hairline cracks with heavy efflorescence at drain, drain rusted	Waterproofing is worn, membrane bubbled up in spots, drain heavily rusted
P-4	P-3	103	P.5-3.5	5	OK	Waterproofing has wear
103-(N)	103-(S)	101-(N)	101-(S)	5	1' hairline cracks, efflorescence, water stains	Waterproofing has wear
P-3	102-(S)	M-3	M-2	5	(2)-2 sf delaminations, pic #48(2019)	Deck is still chloride saturated and waterproofing is worn
M-3	M-2	J-3	J-2	5	3" dia. grease spot (South end)	Deck is still chloride saturated and waterproofing is worn
J-2	J-1	M-2	M-1	5	3' hairline cracks, small patch w/plywood	Repatched at some point, waterproofing is worn
M-2	M-1	N.4-1	102-(S)	5	6' hairline cracks	Deck is still chloride saturated and waterproofing is worn
S.7 - 9	S.7 - 7	R.6 - 9	R.6 - 7	5	OK	[RAMP DOWN (3-2)], Waterproofing has wear, curb is worn
B - 9	B - 7	A+ - 9	A+ - 7	5	20' of hairline cracks	[RAMP UP (2-3)], Waterproofing is worn but not worn through, curb is worn
T.5 - 9	T.5 - 7	S.7 - 9	S.7 - 7	5	10' of hairline cracks	[RAMP UP (3-3)], Waterproofing has wear, curb is worn
C - 9	C - 7	B - 9	B - 7	5	OK	[RAMP DOWN (3-3)], Waterproofing is worn but not worn through, curb is worn

4th Level Deck

U-10	U-9	T-10	GN T-9	5	Water stains and efflorescence at pipe penetration, 20' hairline cracks	Waterproofing is OK
T-10	GN T-9	S-10	GN S-9	5	6' hairline cracks	Waterproofing is OK
S-10	GN S-9	R-10	R-8	5	3 lf hairline cracks with efflorescence	Waterproofing is OK

EAST END (ORIGINAL STRUCTURE)
Medium Priority Items

Inspection Dates: 7/2/19 to 8/21/19 **Inspector(s):** ZBR, JCH, KWK

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes
R-10	R-8	Q-10	Q-8	5	36' hairline cracks, 6" sq spall, small rust stains, form left on w/ condition unknown, pic #9(2019)	Waterproofing is OK, moss near drain
Q-10	Q-8	P-10	P-8	5	70% visible, Water stains from stair , 6 lf +/- rust stain at bar with no cover	Waterproofing is OK, some moss
P-10	P-8	O-10	O-8	5	4' hairline cracks, rust stain	Waterproofing is OK, moss near stairs
O-10	O-8	N-10	N-8	5	Minor grease stains, 20' hairline cracks	Waterproofing is OK, moss near stairs
N-10	N-8	M-10	M-8	5	OK	Waterproofing is OK
M-10	M-8	L-10	L-8	5	9SF crack/delamination, 40' hairline crack, light efflorescence, pic #10(2019)	Waterproofing is OK, light moss
L-10	L-8	K-10	K-8	5	Rough patch, pic #11(2019)	Waterproofing is OK
K-10	K-8	J-10	J-8	5	Rough patch	Waterproofing is OK
J-10	J-8	I-10	I-8	5	OK	Waterproofing is OK
I-10	I-8	H-10	H-8	5	OK	Waterproofing is OK
H-10	H-8	G-10	G-8	5	OK	Waterproofing is OK, light moss
G-10	G-8	F-10	F-8	5	OK	Waterproofing is OK, silt deposit near stairs, curb is worn @ stairs
F-10	F-8	E-10	E-8	5	6 previous patches, rust stain & water stains at stairs	Waterproofing is OK
E-10	E-8	D-10	D-8	5	OK	Waterproofing is OK
D-10	D-8	C-10	C-8	5	1'sq total surface spallings 3" sq. each	Waterproofing is OK
C-10	C-9	B-10	GN B-9	5	12' hairline cracks, 2 previous patch	Waterproofing is OK
B-10	GN B-9	A+-10	A+-9	5	2" dia. Grease stain, 15' hairline cracks, 2 previous patch	Waterproofing is OK, membrane on ramp curb is worn
A+-6	A+-7	B-6	GN B-7	4	50' hairline cracks, 2 previous patch, 1 lf heavy efflorescence at deck/column A+-6, cracks in patch, rust stains, 6SF delamination @ pipe	Waterproofing has slight wear, portion of curb is chipped and exposed, pic #7(2019)
B-6	GN B-7	C-6	GN C-7	5	30' hairline cracks, 1 previous patch w/ heavy efflorescence, 9 lf hairline cracks with efflorescence, multiple grease stains	Waterproofing is OK, curb has wear
C-6	GN C-7	D-6	D-8	5	100' hairline cracks, (3)-6" dia. Grease stains, 20 lf hairline cracks with light efflorescence	Waterproofing is OK, curb has wear
D-6	D-8	E-6	E-8	5	100' hairline cracks, 14 lf hairline cracks with efflorescence, 3" dia. Grease stain in crack, form left on w/ unknown condition, pic #13(2019)	Waterproofing is OK, curb has wear
E-6	E-8	F-6	F-8	5	10 previous patch, 70' hairline cracks, efflorescence, drain rust	Waterproofing is OK
F-6	F-8	G-6	G-8	5	40' hairline cracks, efflorescence, grease stain	Waterproofing is OK, curb is worn, large area deposit @ stairs/gutter

EAST END (ORIGINAL STRUCTURE)
Medium Priority Items

Inspection Dates: 7/2/19 to 8/21/19 **Inspector(s):** ZBR, JCH, KWK

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes
G-6	G-8	H-6	H-8	5	35' hairline cracks, efflorescence, water stain	Waterproofing is OK, curb is worn, large area deposit @ stairs/gutter
H-6	H-8	I-6	I-8	5	2 previous patch, 25' hairline cracks, efflorescence, grease stain, crack in patch around rusted drain	Waterproofing is OK, curb has some wear
I-6	I-8	J-6	J-8	5	55' hairline cracks, efflorescence, 2 rusted drains, grease stain midspan	Waterproofing is OK, curb is worn
J-6	J-8	GN K-6	K-8	5	40' hairline cracks, efflorescence, 2'sq spalling, efflorescence in patch	Waterproofing is OK, curb has heavy wear
GN K-6	K-8	GN L-6	L-8	5	20' hairline cracks, 2 previous patches, drain rusted	Waterproofing is OK, curb has some wear
GN L-6	L-8	GN M-6	M-8	5	2 previous patches, 15' hairline cracks, grease/efflorescence/cracks in rusted drain patch	Waterproofing is OK, curb has some wear
GN M-6	M-8	GN N-6	N-8	5	15' hairline cracks, 2 previous patches, grease stains, rusted drain, 4SF delamination	Waterproofing is OK, curb has some wear, deposits between drains
GN N-6	N-8	GN O-6	O-8	5	20' hairline cracks, 3 previous patches, rusted drain, 2SF delamination light, cracks in patch around drain	Waterproofing is OK
GN O-6	O-8	P-6	P-8	5	50' hairline cracks w/ light efflorescence, 1 previous patches, grease stain, cracks in rusted drain patch	Waterproofing is OK, curb is worn, deposits @ stairs/gutter
P-6	P-8	Q-6	Q-8	5	45' hairline cracks, grease stain	Waterproofing is OK, deposits between drains
Q-6	Q-8	R-6	R-8	5	60' hairline cracks, grease stain, 2SF spall @ light, rusted drain, efflorescence	Waterproofing is OK, curb has some wear, deposits @ curb
R-6	R-8	110	GN S-7	5	50' hairline cracks, efflorescence, 1'sq spalling, rusted drain	Waterproofing is OK, curb is worn, deposits @ curb corner
110	GN S-7	110	T.5-7	5	50' hairline cracks w/ light efflorescence, grease stains	Waterproofing is worn
J-6	J-5	M-6	M-5	4	20' hairline cracks, efflorescence, wide open crack, grease stains	Waterproofing is OK, curb has some wear, rust stains
M-6	M-5	P-6	P-5	5	70' hairline cracks, grease stains	Waterproofing is OK, curb has some wear
P-6	P-5	106	107	5	10' hairline cracks	Waterproofing has heavy wear
P-5	P-4	M-5	M-4	5	OK	Waterproofing is OK
M-5	M-4	J-5	J-4	5	50' hairline cracks, efflorescence	Waterproofing is OK, curb has some wear
J-4	J-3	M-4	M-3	5	20' hairline cracks, efflorescence	Waterproofing is OK, curb has some wear
M-4	M-3	P-4	P-3	5	10' hairline cracks, rusted drain, cracks in patch, 1SF delamination @ P3	Waterproofing is OK, large area deposit @ curb corner
103-(N)	103-(S)	101-(N)	101-(S)	4	30' hairline cracks, overhead repair completed in 2010-2011, efflorescence in cracks @ patch	Waterproofing is OK, deposits @ corner/roof drain in curb, minor grease stains
P-3	102-(S)	M-3	M-2	5	Water stains, grease stains	Waterproofing has wear
M-3	M-2	J-3	J-2	5	20' hairline cracks, efflorescence, cracks in patch around rusted drain, 4SF delamination, pic #14(2019)	Waterproofing has wear

EAST END (ORIGINAL STRUCTURE) *Medium Priority Items*						
Inspection Dates:	7/2/19	to	8/21/19		**Inspector(s):**	ZBR, JCH, KWK

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes
J-2	J-1	M-2	M-1	5	25' hairline cracks, exposed rebar, 1SF delamination, grease stains, form left w/ patch @ unknown condition, pic #15-16(2019)	Waterproofing has wear, curb has some wear, deposits @ curb, minor rust stains
M-2	M-1	N.4-1	102-(S)	5	30' hairline cracks, efflorescence, 2SF delamination	Waterproofing has wear, deposits @ curb, minor rust stains
S.7 - 9	S.7 - 7	R.6 - 9	R.6 - 7	5	Water stains	[RAMP DOWN (4-3)], Waterproofing has wear but not worn through, no membrane on curb
B - 9	B - 7	A+ - 9	A+ - 7	5	20' of hairline cracks, water stains	[RAMP UP (3-4)], Waterproofing has wear but not worn through, curb membrane severely worn
T.5 - 9	T.5 - 7	S.7 - 9	S.7 - 7	5	20' of hairline cracks	[RAMP UP (4-4)], Waterproofing has wear & worn through in a couple spots, curb has heavy wear
C - 9	C - 7	B - 9	B - 7	5	25' of hairline cracks, efflorescence, pic #12(2019)	[RAMP DOWN (4-4)], Waterproofing is OK, curb has heavy wear

5th Level Deck

U-10	U-9	T-10	GN T-9	5	4' hairline cracks, water penetration in one spot	New waterproofing surface, pooling standing water
T-10	GN T-9	S-10	GN S-9	5	48' hairline cracks, efflorescence, 1 previous patch, heavy rust on drain	New waterproofing surface
S-10	GN S-9	R-10	R-8	5	75' hairline cracks, efflorescence, 1 previous patch	New waterproofing surface
R-10	R-8	Q-10	Q-8	5	60' hairline cracks, efflorescence @ end, heavy rust on drain	New waterproofing surface
Q-10	Q-8	P-10	P-8	5	65' hairline cracks, water stains, efflorescence	New waterproofing surface
P-10	P-8	O-10	O-8	5	35' hairline cracks, water stains, efflorescence, 1'sq spalling, exposed rebar	New waterproofing surface, pooling standing water
O-10	O-8	N-10	N-8	5	80' hairline cracks @ ends & mid-span, efflorescence	New waterproofing surface
N-10	N-8	M-10	M-8	5	70' hairline cracks, efflorescence, exposed rebar, drain rusted	New waterproofing surface
M-10	M-8	L-10	L-8	5	5' sq spalling exposed rebar, hairline cracks @ end along '8' line, efflorescence, pic #1(2019)	New waterproofing surface
L-10	L-8	K-10	K-8	5	60' hairline cracks, efflorescence, 2SF delamination @ end	New waterproofing surface
K-10	K-8	J-10	J-8	5	50' hairline, efflorescence	New waterproofing surface
J-10	J-8	I-10	I-8	4	Spall around pipe @ facia , 3SF delamination, exposed rebar, multiple 1SF delaminations @ facia, 55' hairline cracks, drain rusted, efflorescence, can hear deck expansion under sun,	New waterproofing surface
I-10	I-8	H-10	H-8	5	Efflorescence around drain, rust on drain, multiple 1SF delaminations @ facia, exposed rebar	New waterproofing surface
H-10	H-8	G-10	G-8	5	Rust on drain, efflorescence @ patch around drain, multiple 1SF delaminations @ facia	New waterproofing surface
G-10	G-8	F-10	F-8	5	Multiple 1SF delaminations @ facia, efflorescence, 3SF delamination	New waterproofing surface, pooling standing water

EAST END (ORIGINAL STRUCTURE)
Medium Priority Items

Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes
F-10	F-8	E-10	E-8	5	60% visibility, rust on drain, heavy efflorescence around drain, 40' hairline cracks, efflorescence	New waterproofing surface
E-10	E-8	D-10	D-8	5	Efflorescence, 10' hairline cracks, multiple 1SF spalls @ facia	New waterproofing surface
D-10	D-8	C-10	C-8	5	25' diagonal hairline crack, 9SF delamination, efflorescence, rust, drain rust, multiple 1SF spalls	New waterproofing surface
C-10	C-9	B-10	GN B-9	5	Exposed rebar, multiple 1SF delaminations	New waterproofing surface
S.7 - 9	S.7 - 7	R.6 - 9	R.6 - 7	5	70' of hairline cracks, heavy efflorescence, visible crack in ramp, pic #6(2019)	Membrane appears to be new, seal @ sidewalk cracked
B - 9	B - 7	A+ - 9	A+ - 7	5	70' of hairline cracks, efflorescence, visible crack perpendicular to ramp	Membrane has some wear, seal @ sidewalk cracked

Walls

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
Ground Level Walls			
I-8	J-8	4	15 lf Hairline cracks, 3 sf Delamination at column J-8., rust stains, pic #1(2019)
J-8	K-8	4	10 lf Hairline cracks, 3 sf delamination at column J-8, pic #2(2019)
K-8	L-8	5	25 lf Hairline cracks
P-8	Q-8	5	15 lf Hairline cracks, small 3" sq spall with light efflorescence
R.6-7	S-8	4	15' Horizontal & vertical cracks, 2SF delamination patch, pic #3(2019)
S.7-8	S.6-7	5	Cracking at corner, 4SF delamination, pic #4(2019)
103	P-3	5	Bottom (2) courses have light scale, window frame, door & door frame are rusted heavily
J-2	J-3	4	CMU step hairline cracks. Step crack - Can see outside
J-3	J-4	4	CMU step hairline cracks. Step crack - Can see outside
A+-6	B-6	5	3x CMU step cracks - Can see thru
B-6	C-6	5	2x Full height CMU step cracks - Can see thru
C-6	D-6	5	2x CMU step cracks - Can see thru
H-6	I-6	5	3x CMU step cracks - can see thru, CMU face shell cracks

EAST END (ORIGINAL STRUCTURE) *Medium Priority Items*					
Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
2nd Level Walls			
U-9	T.5-9	5	Wide cracks on top, possible 1 sq. delamination

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
3rd Level Walls			
A+-6	B-6	5	50% of the wall - Heavy water stains and efflorescence, 2x CMU step wide cracks
B-6	C-6	5	50% of the wall - Heavy water stains and efflorescence, 2x CMU step cracks, joints empty
C-6	D-6	5	15% heavy efflorescence, CMU step wide cracks, water stains, (1) CMU block with scale
D-6	E-6	5	25% heavy efflorescence, water stains
E-6	F-6	5	25% heavy efflorescence & water stains
F-6	G-6	5	80% heavy efflorescence, CMU step cracks, water stains
J-6	J-5	4	Water stains, 50SF efflorescence heavy in spots, CMU joint cracks an pushing out, top course pushing out, pic #8-7(2019)
J-3	J-2	5	CMU step cracks, missing mortar, water stains
4th Level Walls			
U-9	T.5-9	5	Wide cracks, upper right corner, corner spall, pic #10(2019)
A+-6	B-6	5	CMU joint hairline cracks, joint material cracks at column, 8" missing mortar, cap missing joints, light efflorescence
F-6	G-6	5	CMU joint hairline cracks, joint material cracks at column, cap missing joints, light efflorescence, 4" missing mortar joint
G-6	H-6	5	CMU joint hairline cracks, joint material cracks at column, small crack in cmu center (top)
I-6	J-6	4	CMU joint hairline cracks, joint material cracks at column, 2x rust stain in jt., cap missing joints, light efflorescence
J-6	J-5	5	CMU joint hairline cracks, joint material cracks at column, Hairline cracks in several blocks, cap missing joints, light efflorescence
J-3	J-2	5	CMU step cracks, joint material cracks at column, cap missing joints, light efflorescence, multiple holes in joint

EAST END (ORIGINAL STRUCTURE) *Medium Priority Items*					
Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
J-2	J-1	5	CMU step cracks, joint material cracks at column, wide cracks w/missing mortar, cap missing joints, light efflorescence, multiple holes in joint
J-4	J-3	5	CMU hairline cracks in Jt, Jt material cracks at col., cap missing joints, light efflorescence, multiple holes in joint

Expansion Joints

Level	Location	Joint Rating:	Expansion Joint Notes
2nd Level	Upper 2, J column line	5	Dirty expansion joint, superficial tears, debris in joint
2nd Level	Lower 2, J column line	5	Debris in joint. No signs of leaking.
3rd Level	Upper 3, J column line	5	Dirt in joint, no visible leaking, Joint replaced in 2011
3rd Level	Lower 3, J column line	5	Tears in sealant below, light wear above. Dirt in joint.
4th Level	Lower J column line	5	Leaking West end, lots of debris, Joint replaced in 2011, Header wearing (Exp. Jt. 14_2019)
Average Rating	4th Level	5	
5th Level	South East stair	5	New Joint Sealant placed in 2011, no tears in joint sealant
5th Level	J column line	4	Wet spot (East end), leaking West end, Joint replaced in 2011, debris in joint (Exp. Jt. 19, 20_2019)

WP & Sealants

Level:	WP & Sealants Rating:	Waterproofing and Sealants Notes:
Ground	4	Waterproofing on curbs/islands/sidewalks showing deterioration, many bubbles in the membrane, membrane on ramp show heavy wear and is mostly worn through in main travel lane, main wearing surface is asphalt and is in good condition
2nd Level	4	Deck is chloride saturated for the most part, many drains clogged and rusted, overall the waterproofing is worn w/ heavy wear @ the main travel lane and ramps, sidewalks on ramps do not have any waterproofing, overall waterproofing has some bubbles and spalls and holes due to wear, most curbs have heavy wear
3rd Level	4	Deck is chloride saturated for the most part, many drains clogged and rusted, overall the waterproofing is worn, ramps are beginning to wear, main travel lanes have the most visible wear as well as under common parking locations, overall waterproofing has some bubbles and spalls and holes due to wear, most curbs have heavy wear

EAST END (ORIGINAL STRUCTURE)
Medium Priority Items

Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

Stairs

Location	Level	Stair Rating:	Stair Notes:
Northwest	1	5	Painted railings and window frames rusting/worn/paint peeling. 6 lf hairline cracks under stairs. 1 sf delamination under stair w/exposed rebar. 2 sf additional delamination started. Rail post bases rusting. Bird droppings at entires. Nosing material starting to deteriorate.
Northwest	3	4	Painted window frames ok, railing paint wearing. Minor rusting at railing post bases. Delamination at 2 railing posts - one with spalling. Nosings ok.

Location	Level	Stair Rating:	Stair Notes:
Northeast	1	5	Paint peeling on exterior door - no outside door handle. Door closes but swings open 4". Doesn't latch. Minor rusting at bottom of frame. Interior door paint peeling. Hardware rusted, still functioning. 4 lf hairline cracks under stairs. Area of CMU morther missing below stair. Railing paint peeling, railing rusted beneath. 1 SF area of spalling on exterior wall. Nosings ok. Delamination started at one rail post.
Northeast	3	5	(2) CMU blocks spalling. Water stains and CMU step cracking. Water staining on underside of landing/deck. No door, frame rusted at head. Crack/delamination at one rail post. Nosings ok.
Northeast	4	5	CMU spalling. Water stains/efflorescence on CMU. 8 lf step cracking in CMU joints. Open electric box. No indication of water at windows. Door paint peeling, rusted beneath. Door frame heavily rusted, deteriorating. Nosings ok. One CMU block opened for conduit access, no patch.
Northeast	5	5	CMU spalling. Exterior painted. Water staining on ceiling - appears to be new patch around roof drain. CMU joint crack at door frame. Door paint peeling, rusted beneath. Water staining on CMU. Railing paint starting to peel. Nosings ok.
Southeast	1	4	Exterior door has no handle. Interior door handle sticks/doesn't latch. Interior door and frame have minor rust. 5 lf hairline cracks on floor. Cracks/delamination on 6 stairs at rail post bases. One appears to have been patched, patch delaminating. Nosings ok. Railing paint peeling, railings rusted.
Southeast	2	4	Water stains and efflorescence on CMU. Open crack on 2 CMU blocks/blocks delaminating. No apparent waterstaining at windows. Delamination/cracks at 4 rail post bases. Paint starting to peel on door and frame. Minor rust. Minor rust on railing. Nosings ok. 2 open holes in CMU at light conduit.
Southeast	3	4	Water stains/efflorescence on CMU. 8 lf step cracking in CMU joints. No apparent water staining at windows. No door, frame paint peeling. Frame has rust. Railing has minor rust. Water staining on ceiling/underside of slab above. Nosings ok.
Southeast	4	4	Water stains/efflorescence on CMU. 1 block heavily spalled w/patch, patch delaminating. Adjacent blocks beginning to spall. CMU joint crack at door frame. No door. 10 lf step cracking in CMU. 4 holes in CMU at light conduit - block is cracking. Efflorescence on CMU at window. Railings hav minor rust. Water staining below window. Nosings ok.
Southeast	5	5	8 lf hairline cracks in CMU. Water stains/efflorescence on ceiling. Uncovered elec. Box. Crack/step cracking over door. Peeling paint/surface rust on door. Railing has minor rust. Elev storefront door hinge broken. Some patching in CMU walls. Nosings ok.
Interior North	1	4	Railing paint peeling, rust. Post bases have heavy rust. Nosing material starting to deteiorate. 2 lf cracks w/rust stains on stairs. Cracking at two posts - cracks transferring through patch. Some spalling on risers. Treads ok but dirty/oily.
Interior North	2	4	Rusting hand rail, 8 lf hairline cracks, efflorescence, water stains. Under stair spalling. Sleeve rusting on concrete - bad post, (2) delaminations at rail post, 2 posts heavily rusted/delaminated - some patching, cracks/delamination transferring through patch, 4 lf hairline crack with rust stains underside steps. Nosing deteriorating. Spalling on risers.
Interior North	3	5	Rusted hand rail, 6 lf hairline cracks, Patching at rail posts showing cracks. 1 delamination/crack at post. Nosings ok.
Interior North	4	5	6 lf hairline cracks, water penetration/stains below windows, efflorescence and rust stains on concrete.Delamination at rail post base. Railings rusting. 1 SF delaminations at top of stairs. Some patching w/cracks transferring through. Nosings ok.
Interior North	5	5	Water stains/algae at base of windows and on floor. Roof scuppers have been replaced. Minor paint peeling on railing. Efflorescence on concrete. Nosings ok. 4 lf hairline cracks.
Interior South	1	4	Rail heavily rusted, 2 lf hairline crack w/water and rust stains. Nosing material starting to deteriorate. Efflorescence on stairs. Cracks/delamination at one rail post.
Interior South	2	4	Rail heavily rusted, Nosing material starting to deteriorate. Water/rust stains. 4 delaminations. 1 SF area of spalling below stair. 1 SF riser delamination.
Interior South	3	4	Rail heavily rusted. Minor nosing material loss. Efflorescence/rust stains. 7 areas of delamination/cracks at post rails. Some patching. Post not connected at base - rusted.

EAST END (ORIGINAL STRUCTURE)
Medium Priority Items

Inspection Dates:	7/2/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, KWK

Location	Level	Stair Rating:	Stair Notes:
Interior South	4	5	10 lf hairline cracks. Water stains/efflorescence below windows and on floor. Efflorescence under stair. Railing slightly rusted, posts rusted. 3 delaminations at rail posts.
Interior South	5	5	4 LF hairline cracks. Water stains/algae below windows and on floor. Bottom door hinge rusted, still functions. Supper replaced. Nosings ok, railings ok, minor rust at bases.

Vehicle Barriers

Level	Location	Conc.	Steel	Cable	Wood	Veh. Barr. Rating:	Vehicle Barriers Notes:
Ground	A+10 to E-10		x			5	Dent at B-10 to C-10
Ground	South ramps	x	x	x		5	Rust on cable clamps and springs. Spalling and delamination at rail bases. Rail has areas of rust. One bollard bent and missing a bolt.
Ground	C - 7 to C - 9	x	x			5	Spalling at base plates - one post not connected.
Ground	B - 7		x			5	One bollard, bent w/missing bolt. Noted on South Ramp.
Ground	Southeast Stair		x			5	2 bollards and rail-rail is bent w/rusted bases.
Ground	New Office		x			5	Steel railing at ramp bent at end from impact

Facade

Level	Facade Rating:	Facade Notes
North	5	Spalling w/exposed rebar at some columns and precast panels. Hairline cracks in precast w/some evidence of water infiltration. Water staining on entry columns. Paint peeling on window frames. Signage good. Joint sealants good.
West	5	Some spalling on precast w/exposed rebar. Curbs have been patched and painted. Steel fencing has been cleaned/painted.

Signage

Level	Signage Rating:	Signage Notes
4th Level	4	Signage is faded/worn. Some new signage. Old signs are difficult to read.
5th Level	4	Signage is faded/worn. Some new signage. Old signs are difficult to read.

APPENDIX C

ADDITION STRUCTURE – HIGH PRIORITY

EAST END ADDITION					
High Priority Items					
Inspection Dates:	7/11/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, TJ

Deck

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes
2nd Level Deck						
F-9.6	F-8	G-9.6	G-8	3	HEAVY WATER STAINS & RUST STAINS AT CLOSURE POUR, 18' HAIRLINE CRACK, EFFLORESCENCE, 10 SF DELAMINATIONS AT CLOSURE POUR	Crack sealed @ G-8, waterproofing strip
F-8	F-6	G-8	G-6	3	21' HAIRLINE CRACK, EFFLORESCENCE AT CLOSURE POUR WITH 11 SF TOTAL DELAMINATIONS	Patch w/ cracks

Stairs

Location	Level	Stair Rating:	Stair Notes:
Northeast	1	3	LOOSE DOOR HANDLE TO SCIO STREET. WORN PAINT ON HANDRAIL. HAIRLINE CRACK 27" NEAR SCIO ST. DOOR. 4' HAIRLINE FLOOR CRACK @ GARAGE DOOR. 1/8" CRACK IN BLOCKS BY SCIO ST. DOOR. LIGHT VISIBLE THROUGH CRACK. RUSTED LEGS ON RAILINGS GOING UP STAIRS. WORN PAINT ON HANDRAILS. TREADS ARE GOOD.
Northeast	2	3	LARGE 1" GAP WHERE LEVEL 2 AND BLOCK WALL MEET. CRACK IS THROUGH BLOUT AND GROUT. RAILNGS RUSTED AND PAINT IS WORN. 3RD STEP FROM 2ND FLOOR LANDING - TREAD IS WORN.

Vehicle Barriers

Level	Location	Conc.	Steel	Cable	Wood	Veh. Barr. Rating:	Vehicle Barriers Notes:
Ground	NORTH EAST STAIR		X			3	11 BOLLARDS, 2 MISSING, VEHICLES CAN RUN GATE
2nd Level	G-1.5 TO G-5	X	X			3	BARRIER AND DECORATIVE FENCE DOWN BETWEEN G-2 & G-3

APPENDIX C

ADDITION STRUCTURE – MEDIUM PRIORITY

EAST END ADDITION					
Medium Priority Items					
Inspection Dates:	7/11/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, TJ

Columns

Column Mark:	Column Rating:	Notes
Ground Level Columns		
B-10	5	10' HAIRLINE CRACKS w/ water stains, cracks & delamination @ CJ patch
C-10	5	20' HAIRLINE CRACKS w/ water stains
D-10	5	15' HAIRLINE CRACKS w/ water stains
F-10	5	15' HAIRLINE CRACKS w/ water stains
G-10	5	HAIRLINE CRACKS, 4SF delamination @ base, rust stains
H-10	5	20' HAIRLINE CRACKS, 2SF delamination @ base
I-10	5	25' HAIRLINE CRACKS w/ water stains
J-10	5	10' HAIRLINE CRACKS w/ water stains
K-10	4	30' HAIRLINE CRACKS, SPALLING AT BASE, cracks widening
K-9	4	6' wide cracks, 1 sf delamination, light efflorescence, pic #2(2019)
K-8	5	Corner spalls, rust stains, cracks @ ramp, pic #3(2019)
J-8	5	Hairline cracks w/ light efflorescence
I-8	5	Rusting thru repair
H-8	5	Cracks with rust stains in patch, heavy rust in the patch
D-8	5	HAIRLINE CRACKS widening, small spall in previous patch
C-8	5	Hairline cracks - Rust in previous patch, full length injection epoxy tubes left in
B-8	5	HAIRLINE CRACKS, cracking col. Into ramp wall, efflorescence, 6" sq. delamination, pic #4(2019)
A-9	5	Hairline cracks w/ water stains, 2sf surface Delam. of patch
C-5	5	10' HAIRLINE CRACKS, Light efflorescence
D-5	5	10' HAIRLINE CRACKS
G-5	4	SPALLING BETWEEN COLUMN AND WALL @ top, pic #5(2019)
2nd Level Columns		
I-10	5	Hairline cracks w/ efflorescence @ top
K-9	5	HAIRLINE CRACK @ CJ, 1SF delamination @ edge
H-8	5	Minor hairline cracks, wide cracks @ CJ
G-8	5	HAIRLINE CRACK @ CJ

EAST END ADDITION		
Medium Priority Items		
Inspection Dates: 7/11/19 to 8/21/19		**Inspector(s):** ZBR, JCH, TJ
Column Mark:	Column Rating:	Notes
K-7	5	HAIRLINE CRACK, 2SF spall at bottom corner
L-7	4	HAIRLINE CRACK, 4 lf open crack at bottom corner, 4SF delamination @ top, pic #6(2019)
L-6	5	Spall/efflorescence @ beam
I.6-5	5	Hairline cracks, rust stains
I.6-4	5	HAIRLINE CRACK in CJ, exposed ties, corner spalls
I.6-3	5	Water stains, efflorescence, 1 cap spall, top cable no tension, 2SF patch spall, pic #7(2019)
G-2	5	Hairline cracks @ top, 4SF patch spall @ bottom

3rd Level Columns

D-10	5	10' Hairline cracks w/ water stains
I-10	5	10' Hairline cracks @ CJ/top
K-8	5	Hairline cracks, cracking and popping @ cable railing caps
J-8	5	Hairline cracks w/ water stains, small spalls
I-8	5	HAIRLINE CRACKS w/ water stains, Deep crack at col. Jt., 6" surface spalling
C-8	5	Minor hairline cracks, efflorescence, rust stains
A-7	5	20' Hairline cracks
K-7	5	HAIRLINE CRACKS @ bottom, EFFLORESENCE, 1SF corner spall
G.9-6	5	1' Wide cracks
I.6-5	5	Hairline cracks, water penetration, railing p/t caps spalling
I.6-4	4	Hairline cracks, water penetration, minor rust stains, efflorescence @ bottom, 1SF delamination @ patch
I.6-3	5	Hairline cracks, water penetration, efflorescence/cracks @ p/t (rail)
I.6-2	5	Small spalls @ CJ

4th Level Columns

A-10	5	25' Hairline cracks
L-9	5	Hairline cracks w/ light efflorescence
J-8	5	Hairline cracks, w/ water stains
I-8	5	Hairline cracks w/ water stains, 3" exposed bar with no cover, rust stains @ bottom
D-8	5	Hairline cracks @ patch
C-8	5	Hairline cracks w/ water stains, rust stains
A-7	5	Hairline cracks @ CJ/horizontal, efflorescence @ bottom/beam
B-7	5	Hairline cracks @ CJ, efflorescence at deck/column

EAST END ADDITION						
Medium Priority Items						
Inspection Dates:	7/11/19	to	8/21/19		**Inspector(s):**	ZBR, JCH, TJ

Column Mark:	Column Rating:	Notes
A-6	5	20' Hairline cracks, efflorescence in cracks
L-2	5	Hairline cracks w/ efflorescence
I.6-5	5	Hairline cracks w/ water stains, rust @ rail p/t caps
I.6-3	5	Hairline cracks, efflorescence @ p/t caps (rail)
G-4	5	Hairline cracks @ top, light efflorescence, 1SF delamination @ outside

5th Level Columns

B-10	5	15' Hairline cracks w/ water stains
C-10	5	Hairline cracks @ top, light efflorescence
E-10	5	Hairline cracks, heavy efflorescence @ top
H-10	5	15' Hairline cracks @ top
J-10	5	20' Hairline cracks w/ efflorescence
K-10	5	10' Hairline cracks w/ efflorescence
L-9	5	Hairline cracks, moss, efflorescence
K-8	5	Hairline cracks, water stains/cracks @ p/t caps (rail)
J-8	5	20' Hairline cracks
I-8	5	20' Cracks, efflorescence, 2SF delamination in patch, pic #9(2019)
H-8	5	20' Hairline cracks, efflorescence, 6" spall @ CJ
G-8	5	20' Cracks, 6" spall @ CJ, pic #10(2019)
F-8	5	Hairline cracks, heavy efflorescence/cracks @ p/t caps (rail), 2SF delamination,
E-8	5	Hairline cracks, efflorescence, 1SF spall
D-8	5	Hairline cracks, heavy efflorescence, small spalls @ p/t caps, wide cracks in patch
C-8	5	Cracks, heavy efflorescence, cracks in patch
B-8	5	Hairline cracks, rust stains, 2SF delamination
B-9	5	Hairline cracks in patch, light efflorescence
A-9	5	Hairline cracks, widening,
B-7	5	Hairline cracks, cracks @ north face joint, 2lf wide crack, pic #11(2019)
K-7	5	Hairline cracks, efflorescence
I-6	5	Hairline cracks, holes/cracks @ patch, 1SF corner delamination @ bottom
F-6	5	Hairline cracks, 2SF surface delamination @ patch
E-6	5	HAIRLINE CRACKS, 2 lf open CRACK NORTH FACE

EAST END ADDITION					
Medium Priority Items					
Inspection Dates:	7/11/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, TJ

Column Mark:	Column Rating:	Notes
D-6	5	Hairline cracks, top edge spalling
G.9-1	5	Hairline cracks, light efflorescence, crack all the way around
G-1	5	Hairline cracks w/ water stains
I.6-5	5	Hairline cracks, efflorescence, cracks @ p/t caps (rail)
G-4	5	Hairline cracks, diagonal wide cracks both sides

6th Level Columns

K-8	5	Hairline cracks, heavy efflorescence
J-8	4	Hairline cracks, efflorescence, 6" spall, crack w/ rust, pic #14(2019)
I-8	4	Cracks, spalling 1SF, patch for p/t delaminating, pic #15(2019)
H-8	5	Cracks, water penetration, pic #16(2019)
F-8	4	Hairline cracks, heavy efflorescence at P/T caps & at 20 lf of hairline cracks, pic #12(2019)
E-8	5	Hairline cracks, cracks and water penetration @ p/t caps
A-9	5	Hairline cracks, 3" sq. minor spall at wall, 4lf hairline/open crack
I.6-5	5	Hairline cracks, water penetration, small spall, standing water, weathered, efflorescence, cracks @ p/t caps (rail)
I.6-3	5	Hairline cracks, 8 lf efflorescence at p/t caps, weathered, pic #18(2019)

Beams

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
2nd Level Beams			
B-9	B-10	5	Hairline cracks, 3-sided cracks near midspan, rust staining on north and south face near B-9 (Image: Beam_2019-134 to 135)
C-8	C-10	5	Hairline cracks, heavy efflorescence, corrosion beginning, small 6" spall, previous patch (Image: Beam_2019-137 to 139)
D-8	D-10	4	Hairline cracks, corrosions, spalling @ P/T caps, possible 1 s.f. delamination (Image: Beam_2019-140)
K-9	K-10	5	Water stains from joint above, efflorescence, small surface spalls on bottom face, hairline cracks/widening cracks
A-6	A-7	5	Hairline cracks, water stains from joint above, widening cracks, possible 1 s.f. delamination, rust staining (Image: Beam_2019-142)
B-6	B-7	5	Hairline cracks, 3-sided widening cracks
F-6	F-8	5	Hairline cracks, 2 s.f. delamination @ F-8, eff. @ mid-span near deck, cracking at pipe opening (Img: Beam_2019-145 to 146)
D-9.8 G	F-9.8 G	5	End grout pocket deterioration, efflorescence, possible 1 s.f. delamination above lights, rust stains (Image: Beam_2019-141)
K-10	L-10	5	Hairline cracks, widening crack near L-10, rust staining (Outside face covered by precast)

EAST END ADDITION					
Medium Priority Items					
Inspection Dates:	7/11/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, TJ

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
3rd Level Beams			
A-7	A-9	5	Hairline cracks, water stains, 1 s.f. delamination @ A-7 (Image: Beam_2019-147)
K.1-1	J.2-1	5	Partially obstructed due to precast, hairline cracks, widening cracks @ K.1-1
4th Level Beams			
A-7	A-9	5	Hairline cracks, efflorescence, rust stains
A-9	A-10	5	Hairline cracks, water stains from joint above, crack at rust, rust at mid-span (bot.)
B-9	B-10	5	Hairline cracks, cracking every 4' +/- each end, 3-sided cracks
A-6	A-7	5	3-sided hairline cracks, water stains from joint above, efflorescence @ A-7/ S. Face, N-Face diagonal crack
G-3	I.6-3	5	Hairline cracks, water penetration, 6" light grease at crack mid-span on bot face
5th Level Beams			
K-8	K-9	5	Horiz. Cracking @ bottom face, hairline cracks, 3-sided cracks near K-8, Rust stain/small delamination @ K-8 bot. face
A-6	A-7	5	100' hairline cracks, wide crack, efflorescence, rust stains
6th Level Beams			
B-8	B-9	5	Hairline cracks, efflorescence at deck/beam, 3-sided crack at midspan
A-7	A-9	5	Hairline cracks, efflorescence, 3-sided cracks and rust staining
L-9	K-9	5	Hairline cracks, efflorescence, surface imperfections, water stains/rusting
G-6	G-8	5	Hairline cracks, 1 LF hairline crack with greast on bot, delam on patch - bottom face near G-8 (Image: Beam_2019-160 to 161)
L-9	L-7	5	Hairline cracks, efflorescence, rust staining along bottom face (Image: Beam_2019-162 to 163)
G-3	I.6-3	5	Hairline cracks, 8 lf efflorescence both sides of beam at deck (Image: Beam_2019-164 to 165)
G-4	I.6-4	5	Hairline cracks, grease stain @ beam/deck near I.6-4 (Image: Beam_2019-166)
K.9-1	L-2	5	Water stains from joint above, efflorescence, diagonal cracking (Image: Beam_2019-167)

Deck

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes
2nd Level Deck						
A-10	A-9	B-10	B-9	4	15' HAIRLINE CRACK, EFFLORESCENCE AND RUST STAINS, (3)-1 SF DELAMINATIONS AT CRACK	Minor spall, hairline cracks, map cracking, 16 SF cracks sealed
B-10	B-8	C-10	C-8	4	50' Hairline cracks, heavy efflorescence, rust stains	60' Cracks sealed
A-9	A-8	B-9	B-8	4	100' Hairline cracks, heavy efflorescence, rust stains	NEWER WATERPROOFING

EAST END ADDITION							
Medium Priority Items							
Inspection Dates:	7/11/19	to	8/21/19			**Inspector(s):**	ZBR, JCH, TJ

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes
C-10	C-8	D-10	D-8	5	25' HAIRLINE CRACK, EFFLORESCENCE & RUST STAINS AT DECK/BEAM	OK
D-10	D-8	E-10	E-8	4	45' HAIRLINE CRACK PARALLEL TO BEAM 'D', EFFLORESCENCE, RUST STAINS & 3' GREASE, 1sf DELAM., 20 LF HAIRLINE CRACKS AT OVERHANG	1 sf SURFACE SPALL
G-10	G-8	H-10	H-8	4	120' HAIRLINE CRACK, HEAVY EFFLORESCENCE, RUST STAINS, 4sf DELAM.	HAIRLINE CRACK w/SPALLING, 50 LF HAIRLINE / MAP CRACKS
H-10	H-8	I-10	I-8	4	40' HAIRLINE CRACK, EFFLORESCENCE, RUST STAINS, 1 SF DELAMINATION AT CONDUIT	OK
J-10	J-8	K-10	K-8	5	5' HAIRLINE CRACK, EFFLORESCENCE AT DRAIN	6 LF Hairline cracks, spalling w. standing water, drain clogged
K-10	K-8	L-10	L-9	5	60' HAIRLINE CRACK, EFFLORESCENCE, RUST BUILD-UP	SCALING MID-SPAN, 75 LF HAIRLINE CRACKS +/-
(RAMP) K-9	K-7	L-9	L-7	5	60' Hairline cracks, efflorescence, spalls @ no cover	4SF water penetration, surface wearing, wearing surface
A-7	A-6	B-7	B-6	5	5' HAIRLINE CRACK, WATER STAINS AT CLOSURE POUR, 3' HAIRLINE CRACK w/EFFLORESENCE	15' Cracks sealed

3rd Level Deck

F-10	F-8	G-10	G-8	5	15' Hairline cracks @ CJ, wire hanging from deck	OK, strip of waterproofing @ CP
K-10	K-8	L-10	L-9	5	10' Hairline cracks w/ delamination, 2SF delamination	OK, 2 cracks sealed, rust stains
(RAMP) K-9	K-8	L-9	L-8	5	10' Hairline cracks w/ rust stains & efflorescence in patch	Waterproofing w/ some wear
B-8	B-6	C-8	C-6	5	10' HAIRLINE CRACK WITH LIGHT EFFLORESCENCE	OK
D-8	D-6	E-8	E-6	5	5' HAIRLINE CRACK, EFFLORESCENCE, WATER STAINS	OK
I-8	I-6	J-8	J-6	4	12' Hairline cracks w/ 6 LF of grease @ form joint, pic #3(2019)	OK
L-3	I.6-3	L-2	I.6-2	5	30' HAIRLINE CRACK, EFFLORESCENCE, WATER STAINS, 3 SF DELAMINATION	Gauge @ CJ
(RAMP) K-8	K-7	L-8	L-7	4	45' Hairline cracks w/ heavy efflorescence, tie showing	Waterproofing is wearing, 20' hairline cracks

4th Level Deck

F-10	F-8	G-10	G-8	5	25' Hairline cracks, some patched @ CJ, wires hanging, water stains, cracks in patch	Waterproofing strip @ CJ
(RAMP) K-9	K-8	L-9	L-8	5	35' Hairline cracks w/ efflorescence, rust stains, reinforcement showing	Waterproofing looks new, lots of sediments
(RAMP) A-9	A-8	B-9	B-8	5	40' Hairline cracks w/ light efflorescence, rust stains	Waterproofing wearing, 10' hairline cracks
J-8	J-6	K-8	K-6	5	6" Rust stain, reinforcement showing, water stain, grease stain	50 LF Hairline cracks, map cracking, drain cover damaged
K-7	K-6	L-7	L-6	5	50' Hairline cracks w/ heavy efflorescence, water stains	20 LF Hairline cracks @ L line
L-5	I.6-5	L-4	I.6-4	5	OK	3 Deep gouges @ door, appears from original construction, minor rust stains, pic #4(2019)
I.6-1	G-1	I.6-1	G-2	5	1 SF DELAMINATION AT G-LINE	OK, minor rust stains
I.6-3	G-3	I.6-4	G-4	5	1 LF Hairline cracks w/ light efflorescence	15' Cracks sealed
(RAMP) K-8	K-7	L-8	L-7	4	80 LF Hairline cracks w/ heavy efflorescence & water stains, 1SF delamination, many rust stains	RAMP WATERPROOFED AND LOOKS GOOD

EAST END ADDITION

Medium Priority Items

Inspection Dates: 7/11/19 to 8/21/19 **Inspector(s):** ZBR, JCH, TJ

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes
(RAMP) A-8	A-7	B-8	B-7	5	1SF Delamination, 15' hairline cracks w/ efflorescence, reinforcement showing, pic #2(2019)	RAMP WATERPROOFED AND LOOKS GOOD

5th Level Deck

G-10	G-8	H-10	H-8	5	1' HAIRLINE CRACK	Hairline cracks @ midspan & end of slab 100 LF +/- total, map cracking, water stains
(RAMP) K-9	K-8	L-9	L-8	5	2 -10' Hairline cracks w/ efflorescence, wide cracks @ CJ	MEMBRANE APPEARS NEW
(RAMP) A-9	A-8	B-9	B-8	5	31 LF Hairline cracks w/ efflorescence & rust, efflorescence @ beam/deck, reinforcement showing	MEMBRANE APPEARS NEW, FULL WIDTH CRACK AT CONSTRUCTION JOINT
(RAMP) A-8	A-7	B-8	B-7	5	150 LF Hairline cracks, half w/ heavy efflorescence, 10' wide cracks @ CJ, rust stains	Waterproofing wearing

6th Level Deck

B-10	B-8	C-10	C-8	5	65' HAIRLINE CRACK WITH EFFLORESCENCE, 2" & 3" DIA. GREASE STAINS	Scale/poor consolidation, worn surface
C-10	C-8	D-10	D-8	5	5' Hairline cracks w/ light efflorescence, (2)-6"grease stains	Worn surface
E-10	E-8	F-10	F-8	5	20' HAIRLINE CRACK WITH EFFLORESCENCE, (2)-6" DIA. & (1)-2" DIA. GREASE STAINS	8 LF Cracks, pitted, worn surface
F-10	F-8	G-10	G-8	5	100' Hairline cracks, water stains @ closure pour, efflorescence @ 8 line, patch cracks	30 LF Hairline cracks, worn surface
G-10	G-8	H-10	H-8	5	23' HAIRLINE CRACK WITH LITE EFFLORESCENCE, 2" & 6" DIA. GREASE	1 LF @ H-8 & 2 LF @ G-8, 35 LF Hairline craks, cracks w/ efflorescence, worn surface
H-10	H-8	I-10	I-8	5	5' Hairline cracks, poor consolidation @ drain, 5' hairline w/ light efflorescence, 2" grease stain, water/rust stains	1 LF Hairline cracks AT H-8 w/ efflorescene, worn surface
I-10	I-8	J-10	J-8	5	5' HAIRLINE CRACK, 4' HAIRLINE CRACK WITH EFFLORESCENCE, (2)-6" DIAM GREASE	1 LF Hairline cracks AT J-8 w/ efflorescene, worn surface
J-10	J-8	K-10	K-8	5	40' HAIRLINE CRACK WITH EFFLORESCENCE	1 LF Hairline cracks AT J-8 w/ efflorescene, sediment ponding @ K-8, 10' crack worn surface
K-10	K-9	L-10	L-9	5	50' HAIRLINE CRACK WITH EFFLORESCENCE	OK
(RAMP) K-9	K-7	L-9	L-7	5	160 LF Hairline cracks w/ heavy efflorescence, tie showing, rust stains	Waterproofing wearing, some spots worn through
E-8	E-6	F-8	F-6	5	25' HAIRLINE CRACK WITH WATER STAINS AND LIGHT EFFLORESCENCE, 2" DIA. GREASE	26 LF Hairline cracks, some sealed
F-8	F-6	G-8	G-6	5	73' HAIRLINE CRACK WITH EFFLORESCENCE, HAIRLINE CRACKS ACROSS POUR STRIP, EFFLORESCENCE AT 8-LINE JOINT	20' Cracks sealed
I-8	I-6	J-8	J-6	5	6' Hairline cracks, water stains	7 LF Hairline cracks, worn surface
J-8	J-6	K-7	K-6	5	45' Hairline cracks w/ efflorescence, 1SF spall, 6" grease stain, reinforecemnt showning	45 LF Hairline cracks, some sealed, worn surface
K.1-2	I.6-2	K.1-1	I.6-1	5	100' HAIRLINE CRACK WITH EFFLORESCENCE	100 LF Hairline cracks, some sealed, worn surface
I.6-1	G-1	I.6-1	G-2	5	160' Hairline cracks w/ efflorescence, possible 1SF edge delamination @ G line, (2) 6' grease stains	4 LF Hairline cracks, some sealed, worn surface
I.6-2	G-2	I.6-3	G-3	5	35' HAIRLINE CRACK WITH EFFLORESCENCE, (2)-1 SF EDGE DELAMINATIONS, (2)-3" GREASE, 2 LF EFFLORESCENCE AT DECK/BEAM	5 LF Hairline cracks @ G-3
I.6-3	G-3	I.6-4	G-4	5	14' HAIRLINE CRACK WITH EFFLORESCENCE, 4LF EFFLORESCENCE AT DECK/BEAM	OK
(RAMP) A-8	A-9	B-8	B-9	5	130 LF Hairline cracks w/ water stains & efflorescence, rust stains	20 LF Hairline cracks, waterproofing wearing, some spots worn

EAST END ADDITION					
Medium Priority Items					
Inspection Dates:	7/11/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, TJ

Walls

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
Ground Level Walls			
J-8	I-8	5	Hairline cracks @ joint top wall/parapet, water stains, light efflorescence
I-8	H-8	5	Multiple hairline cracks @ joint top wall/parapet, water stains, light efflorescence
H-8	H-7.5	4	2SF &6 SF Delaminations, (6) full height cracks w/ heavy efflorescence & water stains, pic #1-2(2019)
H-7.5	G.5-7.5	4	Light efflorescence , bottom course heavily scaled, pic #3(2019)
G.5-7.5	G.5-6	4	(2) Cracks through 5 courses of CMU @ door, light efflorescence, heavy scale @ bottom, pic #4(2019)
G.5-6	G-6	5	Light efflorescence, rust stains, crack @ CJ, small spalls
G-6	F-6	4	Step crack @ lintel, solid CMU's used, pic #5(2019)
C-6	B-6	5	Diagonal cracks through CMU, step cracking, efflorescence
B-6	A-6	5	Diagonal cracks through CMU, step cracking
D-8	C-8	5	9 LF Hairline cracks, scaling @ CJ
C-8	B-8	5	3 LF Hairline cracks, heavy rust stains @ pipe, possible 4SF delamination
B-8	A-8	5	25' Hairline cracks, efflorescence, rust stain, small spall (UNDER RAMP)
2nd Level Walls			
B-6	C-6	5	Heavy efflorescence, hairline cracks
F-6	G-6	5	Light efflorescence, water stains, door and frame rusted w/o handle
G-5	G-4	4	5SF CMU delamination @ G-5, 3 LF face shell cracks, 4SF CMU crack and moving, pic # 6(2019)
G.9-1.8	G-1.8	4	1/4" Wide crack through 5 courses of CMU, bottom course has light scale, pic #7(2019)
3rd Level Walls			
4th Level Walls			
A-6	B-6	5	Efflorescence, water stains, damaged CMU (puncture), light algae, bad sealant, 1SF delamination
B-6	C-6	5	Efflorescence, water stains, algae, joint cracks
C-6	D-6	5	Light efflorescence, water stains, rust stain in joint @ pipe, small spalls, vertical crack in corner @ pipe
D-6	E-6	5	Heavy efflorescence, water stains
F-6	G-6	5	Efflorescence, water stains, door frame rusted w/ no door

EAST END ADDITION					
Medium Priority Items					
Inspection Dates:	7/11/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, TJ

5th Level Walls

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
B-6	C-6	5	Cracked CMU upper right, bad sealant @ wall/deck, moss @ bottom, cap joints need reseal, light efflorescence
C06	D-6	5	Sealant cracked @ wall/deck, efflorescence
D-6	E-6	5	HAIRLINE CRACKS IN CMU JOINTS, SEALANT CRACKED AT WALL/DECK
E-6	F-6	5	LIGHT EFFLORESCENCE, ALGAE IN CORNER, BAD SEALANT AT WALL/DECK
F-6	G-6	5	Heavy efflorescence, 6" SQ. CMU spall, no door w/ rusted frame

6th Level Walls

E-6	F-6	5	Mortar joint cracks, bad sealant @ wall/deck, efflorescence
F-6	G-6	4	Mortar joint cracks, step cracks, missing sealnat @ wall/deck, sealant cracking, moss @ bottom

Expansion Joints

Level	Location	Joint Rating:	Expansion Joint Notes
2nd Level	COLUMN G-6 TO G-5	5	CONCRETE SPALLING AT JOINT, MATERIAL A LITTLE ROUGH (Exp. Jt. 9_2019)
3rd Level	NORTH WEST STAIR	4	MISSING JOINT MATERIAL (Exp. Jt. 8_2019)
3rd Level	COLUMN G-6 TO G-5	4	MISSING JOINT MATERIAL (Exp. Jt. 7_2019)
4th Level	NORTH WEST STAIR	4	MISSING JOINT MATERIAL (Exp. Jt. 6_2019)
4th Level	COLUMN G-6 TO G-5	4	MISSING JOINT MATERIAL (Exp. Jt. 5_2019)
5th Level	NORTH WEST STAIR	4	NO JOINT MATERIAL
5th Level	L-6 TO G-6	5	JOINT REPLACED IN 2011, NO HEADER MATERIAL AT COLUMN I.6-5, DEBRIS IN JOINT (Exp. Jt. 4_2019)
Average Rating	5th Level	5	
6th Level	NORTH WEST STAIR	4	MISSING JOINT MATERIAL (Exp. Jt. 1_2019)
6th Level	L-6 TO G-6	4	JOINT REPLACED IN 2011, 2 SMALL LEAKS (Exp. Jt. 2, 3_2019)

EAST END ADDITION					
Medium Priority Items					
Inspection Dates:	7/11/19	to	8/21/19	**Inspector(s):**	ZBR, JCH, TJ

WP & Sealants

Level:	WP & Sealants Rating:	Waterproofing and Sealants Notes:
2nd Level	5	POUR STRIP WATERPROOFING REPLACED IN 2011, LOOKS OK, WATERPROOFING ON RAMPS NEWER BUT DIRTY & SHOWING WEAR/SOME SPOTS WORN THROUGH
3rd Level	5	POUR STRIP WATERPROOFING REPLACED IN 2011, LOOKS OK, WATERPROOFING ON RAMPS NEWER BUT DIRTY & SHOWING WEAR/SOME SPOTS WORN THROUGH
4th Level	5	POUR STRIP WATERPROOFING REPLACED IN 2011, LOOKS OK, WATERPROOFING ON RAMPS NEWER BUT DIRTY & SHOWING WEAR/SOME SPOTS WORN THROUGH
5th Level	5	POUR STRIP WATERPROOFING REPLACED IN 2011, LOOKS OK, WATERPROOFING ON RAMPS NEWER BUT DIRTY & SHOWING WEAR/SOME SPOTS WORN THROUGH
6th Level	5	POUR STRIP WATERPROOFING REPLACED IN 2011, LOOKS OK, WATERPROOFING ON RAMPS NEWER BUT DIRTY & SHOWING WEAR/SOME SPOTS WORN THROUGH, NO COVER SEALANT

Stairs

Location	Level	Stair Rating:	Stair Notes:
Northwest	2	5	DOOR FRAME RUSTING. NO DOOR HANDLE OR BAR. CLOSER BUSTED. CRACK @ THE DOOR THRESHOLD. SLIGHT WEAR & TEAR ON HANDRAILS. PEELING PAINT.
Northwest	3	5	DOOR FRAME RUSTED. NO DOOR. THRESHOLD BENT, TRIPPING HAZARD. SLIGHT WEAR AND TEAR ON HANDRAIL PAINT. GRAFFITI ON THE WALL. CRACKS ON LANDING GOING UP TO 3RD FLOOR.
Northwest	4	5	RUSTED DOOR FRAME. NO DOOR. WORN PAINT ON HANDRAILS. SOME RUST ON HANDRAILS. GRAFFITI ON THE WALLS. BAN TREAD COMING UP FROM THE LANDING TO FLOOR 4. CRACK @ 1ST STEP GOING UP TO LANDING. CRACK IN BLOCK ON LANDING GOING UP TO FLOOR 4.
Northwest	5	4	RUSTED DOOR FRAME. NO DOOR. LOOSE THRESHOLD. TRIPPING HAZARD. GRAFFITI ON WALLS, WORN PAINT ON HANDRAILS.
Northwest	6	5	DOOR DOESN'T CLOSE. DOOR FRAME RUSTED. WORN PAINT ON HANDRAILS. SMALL AMOUNT OF RUST ON HANDRAILS NEAR THE BASE. GRAFFITI ON WALLS.
Northeast	3	5	SMALL CRACK GOING THROUGH GROUT AND BLOCK WHERE 3RD FLOOR/BLOCK MEET. RAILINGS RUSTED @ FEET, WORN AND RUSTED HANDRAILS. HAIRLINE CRACK ON THE UNDERNEATH STAIR COMING FROM THE LANDING. 4 STEP UP FROM 3RD FLOOR TREAD IS WORN.
Northeast	4	5	SMALL CRACK WHERE 4TH FLOOR & BLOCK MEET. RUSTED HANDRAILS W/WORN PAINT.
Northeast	5	4	SMALL CRACK WHERE FLOOR 5 & BLOCKS MEET. HANDRAILS RUSTED W/WORN PAINT. REPAIR WORKS IS FAILING FROM UNDERNEATH 5TH FLOOR STAIRS GOING TO LANDING. CRACK ON 4TH STAIR GOING TO LANDING.
Northeast	6	4	GROUT IS FALLING OFF WHERE 6TH FLOOR & BLOCK MEET. RAILING RUSTED W/WORN PAINT. 4' HAIRLINE CRACK NEAR DOOR GOING OUT TO LVL 6. GRAFFITI NEXT TO ELEVATOR. SALE AND ALGEA STAINS UNDERGLASS VIEWING THE PARKING AREA.
Southwest	1	5	LOOSE DOOR HANDLE ON DOOR LEADING TO GIBBS. ST. WORN DOOR HANDLES. 6' CRACKS IN THE CMU & GROUT NEXT TO THE ELEVATOR (WORN HANDRAILS.) HAIRLINE CRACKS COMING FROM GARAGE DOOR TO ELEVATOR. WORN TREAD GOING UP TO THE FIRST LANDING (1ST STEP)
Southwest	6	5	RUST ON RAILING. DOOR DOESN'T SHUT ALL OF THE WAY. GRAFFITI ON ELEVATOR.

Vehicle Barriers

Level	Location	Conc.	Steel	Cable	Veh. Barr. Rating:	Vehicle Barriers Notes:
Ground	H-8 TO G-8	X		X	5	

EAST END ADDITION						
Medium Priority Items						
Inspection Dates:	7/11/19	to	8/21/19		**Inspector(s):**	ZBR, JCH, TJ

Level	Location	Conc.	Steel	Cable	Veh. Barr. Rating:	Vehicle Barriers Notes:
Ground	B-7 TO B-9	X			5	10' HAIRLINE CRACKS, 3' WATER CRACKS
2nd Level	I.6-3 TO I.6-5	X		X	5	CABLE SPLIT AND RUSTING. LOOSE.
2nd Level	G-10 TO L-10	X			4	A NUMBER OF WHEEL STOPS WITH REINFORCEMENT EXPOSED
2nd Level	G-6 TO L-6	X			4	MISSING WHEEL STOPS
2nd Level	G-5 TO G-1	X			5	WHEEL STOPS WITH REINFORCEMENT EXPOSED

Facade

Level	Facade Rating:	Facade Notes
East	5	RUST AT RAIL, CRACKED PRECAST, HAIRLINE CRACK AT COLUMN
South	5	HAIRLINE CRACK, WATER PENETRATION AT WALL (PHOTO 46) HAIRLINE CRACK ON COLUMNS, CMU FACIAL CRACKS AT STAIRS (PHOTO 46) BORDERS THE SAGAMORE BUILDING.
West	5	RUST AT RAIL, CRACKS AT PRECAST, HAIRLINE CRACK ON COLUMNS, CRACK AT WEST WALL AT STAIR ENTRANCE

Signage

Level	Signage Rating:	Signage Notes
Ground	5	"NO PARKING" SIGN @ 59 FADED.
2nd Level	5	NW STAIRWELL SIGN IS BIT ROUGH. INFORMATION SIGNS @ STAIRWELL NOT HANGING.
3rd Level	5	INFO. SIGN @ STAIRWELL NE NOT HANGING.
4th Level	5	INFO. SIGN @ STAIRWELL NE NOT HANGING. STAIRWELL SIGN IS ROUGH
5th Level	5	INFO. SIGN @ STAIRWELL NE NOT HANGING.
6th Level	5	6 FADED "LVL 6" SIGNS. 2 BENT EXIT SIGNS.

Elevator Encl.

Locations	Level	Elevator Encl. Rating:	Elevator Enclosure Notes
Northeast	1	5	STEP CRACKING IN MASONRY JOINT, SOME MINOR MOISTURE ON PIT FLOOR
Northeast	3	5	MINOR MOISTURE AT BASE OF WINDOW, ALSO SEE STAIR NOTES
Northeast	6	5	MOISTURE AND EFFLORESCENCE ON CMU ENCLSOURE AT ROOF LEVEL

APPENDIX D

ORIGINAL STRUCTURE – FIELD NOTES

Inspection Date: 7 / 2 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	Ground	Overall Column Rating:	6.11

Column Mark:	Column Rating:	Notes
U-10	6	Hairline cracks
T-10	6	Hairline cracks outside face
S-10	5	Hairline cracks at base, exposed rebar tie, pic #3(2019)
R-10	6	Hairline cracks at base
Q-10	6	Hairline cracks at base, 75% visible
P-10	6	OK, 75% visible
O-10	5	1sf delamination at precast, pic #1(2019)
N-10	6	OK
M-10	5	Hairline cracks, small spalling (1sf), Cracking outside face, patch with crack, pic #2
L-10	6	OK
K-10	6	Hairline cracks
J-10	9	25% visible, cracks @ base/outside
I-10	6	Hairline cracks, 50% visible
H.7-9.8	6	Hairline cracks (Horizontal)
H.7-10	7	OK
F.3-10	7	Minor rust stains
F.3-9.8	6	Hairline cracks (Horizontal)
F-10	6	Hairline cracks, exposed reinforcement tie (8"), 50% visible, pic #5(2019)
E-10	6	Exposed reinforcement tie (14"), 75% visible, pic #6(2019)
D-10	6	Minor rust stains @ outside
C-10	6	Minor rust stains, cracks, 1SF delamination, pic #7(2019)
B-10	6	Exposed Reinforcing tie (4"), Rust stains, pic #4(2019)
A+-10	6	Hairline cracks, minor rust stains, 75% visible
A+-9	7	60% visible, minor rust stains

9 = not visible - partially or fully obstructed
8 = not applicable
7 = new condition, no deterioration, functioning as originally designed

Column Mark:	Column Rating:	Notes
C-9	6	Hairline cracks, minor rust stains
C-8.1	6	Hairline cracks, minor rust stains, 75% visible
D-8	7	OK
E-8	6	Minor rust stains
F-8	6	Hairline cracks
G-8	7	50% visible, minor rust stains
H-8	6	Hairline cracks, 75% visible
I-8	6	Hairline cracks
J-8	3	Fixed in 2010, Hairline cracks, rust stain, 4lf wide cracks, open cracks, (2)-2 sf delams, pic #8-9(2019)
K-8	5	Hairline cracks, 8 lf open cracks
L-8	6	Hairline cracks
M-8	6	OK
N-8	6	Small spall/delamination W/exposed reinforcing-repaired, Hairline cracks
O-8	6	Minor rust stains
P-8	6	Hairline cracks
Q-8	6	Hairline cracks
R-8	6	OK
R.6-7.9	6	Hairline cracks, 75% visible
R.6-7	6	Hairline cracks
T.5-7	6	Hairline cracks, 75% visible
113	6	Hairline cracks
114	9	Looks ok from 15' away
U-9	6	Hairline cracks, rust stains, 50% visible
T.5-9	6	Hairline cracks

6 = used to shade between 5 and 7
5 = minor deterioration, but functioning as originally designed
4 = used to shade between 3 and 5

Column Mark:	Column Rating:	Notes
R.6-9	6	Hairline cracks
R.6-8.1	6	Hairline cracks, 75% visible
112	7	50% visible
111	7	50% visible
110	7	30% visible
R-6	6	Hairline cracks
Q-6	6	Hairline cracks, minor rust stains
P-6	6	Minor rust stains (from exit sign)
O-6	6	Broken electrical box cover
N-6	7	OK
L-6	7	Minor rust stains
K-6	6	Hairline cracks, Map cracking
J-6	6	Hairline cracks, Map cracking
I-6	7	50% visible
H-6	7	50% visible, minor rust stains
G-6	7	50% visible, minor rust stains
F-6	7	50% visible
E-6	6	Minor rust Stain (North Face) starts where beam frames in, 50% visible
D-6	7	50% visible
C-6	6	Minor rust stains (North Face, East Face), 50%visible
B-6	6	Minor rust stains (North Face), 50%visible
A+-6	6	Minor rust stains (North Face), 50%visible
J-5	6	Hairline cracks, 50%visible
J-4	6	Hairline cracks, 50%visible

3 = serious deterioration or not functioning as originally designed
2 = used to shade between 1 and 3
1 = completely deteriorated or in failed condition

Inspection Date: 7 / 2 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	Ground	Overall Column Rating:	6.11

Column Mark:	Column Rating:	Notes
J-3	5	Hairline cracks, Open/Wide Crack at beam intersection (West Face), 50% visible, pic #10(2019)
J-2	6	Hairline & open cracks, spall under beam, pic #11(2019)
J-1	9	In bike cage, rust stains, hairline cracks
K-1	6	Hairline cracks
L-1	6	Hairline cracks
M-1	6	Hairline cracks, rust @ bottom/outside
N-1	7	OK
N.4-1	6	Hairline cracks, 75% visible
101 (S)	6	Hairline cracks, small delamination at exposed rebar ties at P/T caps, pic #12(2019)
101 (N)	6	Hairline cracks, 6" sq. delamination at previous fence anchor
102	6	Hairline cracks @ base
P-3	7	OK
P-4	7	OK
P-5	6	Hairline cracks
109	9	1 face visible
108	6	OK
107	6	Hairline cracks, 75% visible
106	6	OK, 75% visible, minor rust stains
M - 3	6	Hairline cracks
103 (N)	5	Hairline cracks, 50% visible, 2SF delamination @ outside, pic # 13
M-4	6	Map Cracking
M-5	5	2 sf Delamination at base/edge, pic #15(2019)
A+-7	6	Hairline cracks, 75% visible
C-7	6	Hairline cracks, 1 sf surface delamination at base near ramp, minor rust stains

Column Mark:	Column Rating:	Notes
C-7.9	7	75% visible
104	9	1 face visible
105	7	75% visible

Column Mark:	Column Rating:	Notes

9 = not visible - partially or fully obstructed
8 = not applicable
7 = new condition, no deterioration, functioning as originally designed

6 = used to shade between 5 and 7
5 = minor deterioration, but functioning as originally designed
4 = used to shade between 3 and 5

3 = serious deterioration or not functioning as originally designed
2 = used to shade between 1 and 3
1 = completely deteriorated or in failed condition

Inspection Date: 7 / 3 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	2nd Level	Overall Column Rating:	6.20

Column Mark:	Column Rating:	Notes
U-10	7	OK, 50% visible
T-7	6	OK, 75% visible
S-10	6	OK, 75% visible
R-10	6	OK, 75% visible
Q-10	6	6" spallings, 50% visible
P-10	6	OK, 50% visible
O-10	6	OK, 75% visible
N-10	6	OK, 75% visible, railing connection delamination patch
M-10	6	OK, 75% visible
L-10	6	Hairline cracks, 75% visible
K-10	6	Hairline cracks
J-10	6	OK, 75% visible
I-10	6	50% visible, rebar tie exposed/rust, pic #15(2019)
H-10	7	OK, 30% visible
G-10	7	OK, 30% visible
F-10	6	OK, 60% visible
E-10	6	OK, 75% visible
D-10	6	OK, 75% visible
C-10	6	OK, 75% visible
B-10	6	OK, 75% visible
A+-10	7	OK, 75% visible
A+-9	6	Vertical & Horizontal Hairline cracks
C-9	6	Horizontal hairline cracks
C-8.1	6	Minor 1" sq. spalls, 75% visible

Column Mark:	Column Rating:	Notes
D-8	6	Hairline cracks, minor efflorescence from p/t caps - both
E-8	6	Hairline cracks, minor efflorescence from p/t caps - both
F-8	6	Hairline cracks @ bottom, minor efflorescence from p/t caps - both
G-8	6	Hairline cracks @ bottom, minor efflorescence from p/t caps - both
H-8	6	Hairline cracks @ bottom, minor efflorescence from p/t caps - both
I-8	6	Hairline cracks, minor efflorescence from p/t caps, rust around p/t
J-8	4	Patch in 2010-2011, Hairline cracks visible, rust stains, water stains, cracks in patch, pic #16-17, 20(2019)
K-8	6	Efflorescence around p/t caps, minor rust stains
L-8	6	light efflorescence at p/t caps
M-8	6	light efflorescence at p/t caps
N-8	5	light efflorescence at p/t caps, rust near p/t, pic #19(2019)
O-8	5	light efflorescence at p/t caps, rust near p/t
P-8	6	light efflorescence at p/t caps
Q-8	5	Hairline cracks, efflorescence & light rust from p/t caps - both
R-8	5	Hairline cracks, efflorescence from p/t caps, 1SF delamination
R.6-8.1	6	75% visible, minor rust stains
R.6-9	6	Minor rust stains
T.5-9	6	70% visible, OK
U-9	6	50% visible, OK
114	9	Far away
113	6	50% visible, OK
T.5-7	6	75% visible, OK
R.6-7	6	Hairline cracks, minor rust stains
R.6-7.9	6	75% visible, spall at bottom of column, pic #18(2019)

Column Mark:	Column Rating:	Notes
C-7.9	6	Minor rust, 2x1SF spalls
C-7	6	Hairline cracks below beam
A+-7	6	1SF spall
A+-6	6	60% visible, exposed tie
B-6	7	50% visible, OK
C-6	6	50% visible, .5SF spall
D-6	7	50% visible, OK
E-6	7	50% visible, OK
F-6	7	50% visible, OK
G-6	7	Hairline cracks
H-6	7	50% visible, OK
I-6	7	50% visible, gap between column and wall, pic #21(2019)
J-6	6	80% visible, hairline cracks, gap between column and wall
J.8-6	6	Hairline cracks
L.3-6	7	Minor rust stains
M.8-6	7	OK
O.2-6	7	OK
P-6	7	Minor rust stains
Q-6	7	Rust from ties
R-6	7	OK
110	7	75% visible, OK
112	7	75% visible, OK
111	7	75% visible, OK
109	9	Far away

9 = not visible - partially or fully obstructed
8 = not applicable
7 = new condition, no deterioration, functioning as originally designed
6 = used to shade between 5 and 7
5 = minor deterioration, but functioning as originally designed
4 = used to shade between 3 and 5
3 = serious deterioration or not functioning as originally designed
2 = used to shade between 1 and 3
1 = completely deteriorated or in failed condition

Inspection Date: 7 / 3 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	2nd Level	Overall Column Rating:	6.20

Column Mark:	Column Rating:	Notes
108	9	Far away
107	9	Far away
106	9	Far away
104	9	Far away
103	6	30% visible, minor rust stains
102	7	40% visible, OK
101	7	75% visible, rust from beam
J-5	7	50% visible, OK
J-4	7	50% visible, rust under beam
J-3	7	50% visible, OK
J-2	6	50% visible, hairline cracks, rust stains
J-1	6	50% visible, OK
K-1	6	75% visible, minor rust stains from beam
L-1	6	75% visible, OK
M-1	6	75% visible, Hairline cracks, minor rust stains
N-1	6	75% visible, minor rust stains
N.4 -1	6	75% visible, water stains
101 (S)	5	Hairline cracks @ beam, rust at p/t, minor rust stains
P-3	6	Light efflorescence & rust at p/t caps, minor rust stains
P-4	6	Rust stains @ beam and column
P-5	5	Rust stains & light efflorescence at p/t caps
M-3	6	Hairline cracks, minor rust stains from beam
M-4	6	Minor rust stains from beam
M-5	7	OK

Column Mark:	Column Rating:	Notes
105	9	Far away

Column Mark:	Column Rating:	Notes

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Inspection Date: 7 / 3 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	3rd Level	Overall Column Rating:	6.08

Column Mark:	Column Rating:	Notes
U-10	7	50% visible, OK
T-10	6	75% visible, OK
S-10	6	75% visible, OK
R-10	6	Hairline cracks, 1SF delamination
Q-10	6	75% visible, Hairline cracks, minor rust stains
P-10	6	75% visible, Construction Jt. Crack
O-10	6	75% visible, minor rust stains
N-10	6	75% visible, OK
M-10	6	75% visible, OK
L-10	6	75% visible, minor rust stains
K-10	6	75% visible, 3" spalling, hairline cracks, 3 ties exposed
J-10	6	75% visible, Hairline/open cracks 1 lf
I-10	6	50% visible, Hairline cracks
H-10	7	30% visible, OK
G-10	6	Efflorescence
F-10	6	60% visible, 2 rust spots on outside
E-10	6	75% visible, OK
D-10	6	75% visible, Hairline cracks, tie showing both sides
C-10	6	75% visible, hairline cracks
B-10	6	75% visible, OK
A+-10	6	50% visible, Hairline cracks, rust, cracks @ CJ
A+-9	6	OK
C-9	5	Hairline cracks, water stains, 3" exposed mesh, 1 sf delamination at bar with no cover, pic #22(2019)
C-8.1	6	75% visible Small spalling at rebar tie 8" long, 2x1SF spalls

Column Mark:	Column Rating:	Notes
D-8	6	Light efflorescence from p/t caps
E-8	6	Hairline cracks, light efflorescence & rust from p/t caps
F-8	6	Efflorescence & rust from p/t caps - both
G-8	6	Efflorescence from p/t caps, hairline cracks, rust stains near beam
H-8	6	Efflorescence from p/t caps
I-8	6	OK
J-8	5	Jt. cracks, hairline cracks, efflorescence, rust stains, water stains, large cracks in 1SF spall, pic #23(2019)
K-8	6	Hairline cracks, light efflorescence from p/t caps, crack @ CJ
L-8	6	Hairline cracks, rust at p/t
M-8	6	Hairline cracks, light efflorescence from p/t caps, 1SF delamination
N-8	6	Light efflorescence from p/t caps
O-8	6	Light efflorescence from p/t caps, rust at CJ
P-8	6	Light efflorescence from p/t caps
Q-8	6	Light efflorescence from p/t caps, hairline cracks
R-8	5	Light efflorescence from p/t caps hairline cracks, 2SF delamination, LOOK @ LVL 4
R.6-8.1	6	75% visible, OK
R.6-9	6	Hairline cracks
T.5-9	6	OK
U-9	7	50% visible, OK
T.5-7	7	Formwork nail corrosion, rust
113	6	50% visible, Hairline cracks, minor rust stains
114	9	Far away
112	7	75% visible, OK
111	7	75% visible, OK

Column Mark:	Column Rating:	Notes
110	7	50% visible, OK
C.7.9	6	75% visible, OK
C-7	6	Hairline cracks horizontal, tie showing
A+-7	6	75% visible, Hairline cracks, delamination @ CJ
A+-6	5	75% visible, Hairline cracks, efflorescence at deck and column interface, rust
B-6	6	50% visible, Hairline cracks
C-6	6	50% visible, Hairline cracks
D-6	6	50% visible, Hairline cracks - horizontal
E-6	6	50% visible, Hairline cracks - horizontal
F-6	6	50% visible, Hairline cracks - horizontal
G-6	6	50% visible, Hairline cracks - horizontal
H-6	6	50% visible, Hairline cracks - horizontal
I-6	6	50% visible, Hairline cracks - horizontal, gap between wall and column
J-6	6	50% visible, Hairline cracks - horizontal, gap between wall and column, widening of cracks @ beam
J.8-6	6	Hairline cracks
L.3-6	6	Hairline cracks
M.8-6	6	Hairline cracks
O.2-6	6	broken electrical box cover
P-6	7	OK
Q-6	6	Hairline cracks
R-6	6	Hairline cracks
R.6-7	6	Hairline cracks, 2 x tie rust spots
R.6-7.9	7	75% visible, OK
J-5	6	50% visible, Hairline cracks

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Inspection Date: 7 / 3 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	3rd Level	Overall Column Rating:	6.08

Column Mark:	Column Rating:	Notes
J-4	6	50% visible, Hairline cracks
J-3	6	50% visible, Hairline cracks
J-2	6	50% visible, Hairline cracks
J-1	6	50% visible, OK
K-1	6	75% visible, OK
L-1	6	75% visible, tie rust
M-1	6	75% visible, Hairline cracks, minor crumbling near the beam
N-1	6	75% visible, OK
N.4-1	6	75% visible, OK
101-(S)	6	Hairline cracks, 1SF spall
101-(N)	6	50% visible, OK
102	6	75% visible, OK
103-(N)	6	75% visible, OK
104	9	Far away
105	9	Far away
106	9	Far away
107	9	Far away
108	9	Far away
109	9	Far away
P-5	7	OK
P-4	7	OK
P-3	6	Patch over p/t looks rough
M-5	6	Hairline cracks

Column Mark:	Column Rating:	Notes
M-4	7	OK
M-3	5	Hairline cracks widening, 1 sf delamination at base on 3 sides, pic #24-26(2019)

Column Mark:	Column Rating:	Notes

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Inspection Date: 7 / 3 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	4th Level	Overall Column Rating:	5.96

Column Mark:	Column Rating:	Notes
U-10	7	50% visible, OK
T-10	6	75% visible, Hairline cracks
S-10	5	75% visible, 2 sf Spalling 4" exposed bar/reinforcement, pic #27(2019)
R-10	5	75% visible, 1 sf Spalling 4" exposed bar/reinforcement, pic #28(2019)
Q-10	5	75% visible,1 sf Delamination with 6" exposed bar, hairline cracks, 1SF spall, pic #29(2019)
P-10	6	75% visible, Small 3" spall, tie showing
O-10	5	75% visible,1' sq. delamination, rust stains
N-10	5	75% visible, Hairline cracks, 1 sf spalling
M-10	6	75% visible, Hairline cracks
L-10	5	75% visible, 1' sq. & (2)-6" sq. delamination, ready to spall, tie showing, pic #32(2019)
K-10	6	75% visible, Hairline cracks
J-10	6	75% visible, Surface spalling @ reinforcement ties, pic #33(2019)
I-10	5	75% visible, Hairline cracks, efforescence
H-10	6	75% visible, Hairline cracks
G-10	6	75% visible, Hairline cracks
F-10	5	75% visible, Hairline cracks, rust stains, 2 sf delamination, pic #34(2019)
E-10	5	75% visible, Hairline cracks, 1 lf open cracks @ top
D-10	6	75% visible, Hairline cracks
C-10	6	75% visible, Hairline cracks
B-10	6	75% visible, Hairline cracks, water stains @ bottom
A+-10	6	50% visible, Hairline cracks, water stains
A+-9	6	Hairline cracks, 6"sq. delamination at bar with no cover
C-9	5	Hairline cracks, efflorescence/rust from p/t caps & at deck/column, 1 lf with efflorescence
C-8.1	6	75% visible, light efflorescence at deck/column, 1SF spall

Column Mark:	Column Rating:	Notes
D-8	5	Hairline crack, efflorescence from p/t caps & at beam/column, exposed rebar, pic #35(2019)
E-8	6	Hairline crack, efflorescence, light efflorescence from p/t caps
F-8	5	Hairline crack @ beam, light efflorescence from p/t caps, efflorescence at beam/column
G-8	5	Hairline cracks, 1sf spalling bar w/ no cover, eff. from p/t caps & beam/column, pic #36(2019)
H-8	6	Hairline cracks, light efflorescence from p/t caps, rust stains
I-8	5	Hairline cracks @ CJ, efflorescence heavy at beam/column, rust stains, 2SF delam. @ top
J-8	5	Hairline cracks, efflorescence, rust stains @ p/t
K-8	6	Hairline cracks, efflorescence, rust stains, 1 sf delamination at bar with no cover, pic #37(2019)
L-8	6	Hairline cracks, 1'sq. delamination-fixed, efflorscence
M-8	6	Hairline cracks, small 2" sq. spallings, rust stains
N-8	6	Hairline cracks, spalling, 1'sq. delamination, pic #38(2019)
O-8	6	Hairline cracks, rust stains, efflorence from p/t, 6" sq. delam. at bar no cover, pic #42(2019)
P-8	6	Hairline cracks, efflorescence, minor small spallings, rust stains, 9SF delam. bar no cover, pic #41(2019)
Q-8	6	Hairline cracks, efflorescence, minor small spallings
R-8	6	6" spalling, 1SF delam, exposed reinf. No cover, pic #39-40(2019)
R.6-8.1	6	75% visible, 1 sf surface spall
R.6-9	5	Hairline cracks, efflorescence at deck/column
T.5-9	6	Hairline cracks
U-9	6	Hairline cracks @ beam (horizontal)
114	9	Far away
113	6	75% visible, Hairline cracks
T-5-7	8	OK
112	6	75% visible, OK
111	6	75% visible, OK

Column Mark:	Column Rating:	Notes
110	6	50% visible, OK
R.6-7.9	6	Rust stains, 1SF spall
C-7.9	7	75% visible, OK
C-7	8	OK
A+-7	6	75% visible, Hairline cracks
A+-6	7	50% visible, OK
B-6	7	Only east face visible,OK
C-6	7	Only east face visible,OK
D-6	7	Only east face visible,OK
E-6	7	Only east face visible,OK
F-6	7	Only east face visible,OK
G-6	7	Only east face visible,OK
H-6	7	Only east face visible,OK
I-6	6	Only east face visible,OK
J-6	7	OK
J-5	7	Only north face visible, OK
J-4	7	Only north face visible, OK
J-3	7	Only north face visible, OK
J-2	7	Only north face visible, OK
J-1	6	Hairline cracks, Col. Tie Exposure, pic #43(2019)
K-1	4	75% visible, 1 sf delamination at precast anchor
L-1	6	75% visible, OK
M-1	6	75% visible, OK
N-1	6	75% visible, OK

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Inspection Date: 7 / 3 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	4th Level	Overall Column Rating:	5.96

Column Mark:	Column Rating:	Notes
N.4-1	6	75% visible, OK
101-(S)	6	Hairline cracks, rust stains at rebar ties
101-(N)	6	75% visible, light efflorescence at beam/column
102	6	75% visible, Rust stains at rebar ties
103	6	75% visible, light efflorescence at beam/column
P-3	6	Hairline cracks, signs of spalling 1sf at bar no cover
P-4	6	75% visible, OK
P-5	6	75% visible, OK
P-6	6	Hairline cracks, water stains, light efflorescence at p/t caps, crack @ CJ
Q-6	6	OK
R-6	6	Rust stains at rebar ties
109	9	Far away
108	9	Far away
107	9	Far away
106	9	Far away
105	9	Far away
104	9	Far away
M-5	6	Hairline cracks @ top
M-3	6	Hairline cracks @ top

Column Mark:	Column Rating:	Notes

Column Mark:	Column Rating:	Notes

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Inspection Date: 7 / 3 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	5th Level	Overall Column Rating:	5.85

Column Mark:	Column Rating:	Notes
U-10	6	25% visible, Weathered
Q-10	6	Weathered
P-10	6	Weathered, exposed rebar, pic #44(2019)
F-10	6	75% visible, Weathered
E-10	6	75% visible, Weathered
A+-10	6	75% visible, Weathered
A+-9	6	Hairline cracks
C-8.1	6	Weathered
H-8	6	2 X 1SF spalls, rebar showing, pic #48(2019)
K-8	6	Hairline cracks, small spalls, exposed rebar, rust from light post
N-8	6	Hairline cracks, rust, moss
Q-8	6	Hairline cracks, moss
R.6-8.1	6	75% visible, Hairline cracks
T.5-9	6	Weathered with Moss, rebar exposed @ top, pic #49(2019)
U-9	7	Covered by conduit/duct
B-10	5	Weathered, corner spall
E-8	5	Hairline cracks, rust from light post

Column Mark:	Column Rating:	Notes
U-10	6	25% visible, Weathered
T-10	6	Weathered
S-10	6	Weathered
R-10	6	Weathered
Q-10	6	Weathered
P-10	6	Weathered, exposed rebar, pic #44(2019)
O-10	6	Weathered
N-10	5	Weathered, cracks around the anchor, pic #45(2019)
M-10	5	Weathered, hairline cracks, exposed rebar, pic #46(2019)
L-10	6	Weathered
K-10	6	Weathered
J-10	4	Weathered, large spall - sealed, hairline cracks, pic #47(2019)
I-10	6	Weathered
H-10	5	Weathered, 1SF delamination
G-10	6	Weathered, corner spall
F-10	6	75% visible, Weathered
E-10	6	75% visible, Weathered
D-10	6	Weathered
C-10	6	Weathered
B-10	5	Weathered, corner spall
A+-10	6	75% visible, Weathered
C-8.1	6	Weathered
D-8	8	
E-8	5	Hairline cracks, rust from light post

Column Mark:	Column Rating:	Notes
F-8	8	
G-8	8	
H-8	6	2 X 1SF spalls, rebar showing, pic #48(2019)
I-8	8	
J-8	8	
K-8	6	Hairline cracks, small spalls, exposed rebar, rust from light post
L-8	8	
M-8	8	
N-8	6	Hairline cracks, rust, moss
O-8	8	
P-8	8	
Q-8	6	Hairline cracks, moss
R-8	8	
R6-8.1	6	75% visible, Hairline cracks
A+-9	6	Hairline cracks
T.5-9	6	Weathered with moss, rebar exposed @ top, pic # 49(2019)
U-9	7	Covered by conduit/duct

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Inspection Date: 7-5-2019	JCH	EAST END (ORIGINAL STRUCTURE)	2nd Level	Overall Beam Rating:	5.94

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
U-10	U-9	5	Open cracks at U-10 bottom and side (Image: Beam_2019-1)
T-10	GN T-9	6	Hairline cracks
S-10	GN S-9	6	Hairline cracks
GN U-9	T.5-9	6	Hairline cracks
T.5-9	R.6-9	5	Hairline cracks, 1" & 4" long grease stain bottom face
R-10	R-8	6	Hairline cracks
Q-10	Q-8	6	Hairline cracks, light efflorescence from deck (Image: Beam_2019-2)
P-10	P-8	6	Hairline cracks
O-10	O-8	6	Hairline cracks
P-8.2	O-8.2	4	Hairline cracks, rust stains, 4 sf spalling at previous repair, Picture #22, 4 lf open crack with efflorescence (Images: Beam_2019-3, 4, 5, 6)
N-10	N-8	6	Hairline cracks, efflorescence from deck above (Image: Beam_2019-7, 8)
M-10	M-8	6	Hairline cracks, light (Image: Beam_2019-9,10)
L-10	L-8	6	Hairline cracks
K-10	K-8	6	Hairline cracks, minor impact spall (Image: Beam_2019-11)
J-10	J-8	5	Repaired in 2010-2011, corrosion, effloresence, possible delamination Picture #19 & 20 (Image: Beam_2019-12, 13)
I-10	I-8	6	Hairline cracks
GN H-9.8	H-8	6	Hairline cracks, Effloresence, partially obstructed (office)
GN G-8.2	F-8.2	5	Possile delamination, small horizontal cracks, grease stains (Image: Beam_2019-14, 15)
G G-8.2	F-8.2	6	
F-10	F-8	7	
E-10	E-8	7	
D-10	D-8	7	
C-10	C-9	7	
B-10	GN B-9	7	

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
A+-10	A+-9	6	Water stains from joint above, effloresence, mild corrosion, small horizontal cracking near beam/slab seam
A+-9	C-9	6	Hairline cracks over storage area
A+-10	B-10	6	Hairline cracks
B-10	C-10	6	Hairline cracks, waterstaining
C-10	D-10	6	Light Efflorescence
D-10	E-10	6	Light Efflorescence
I-10	J-10	9	not visible, in office
J-10	K-10	9	not visible, 80% in office
K-10	L-10	6	Hairline cracks, some minor spalls, light water staining from deck
L-10	M-10	6	Hairline cracks, light efflorescence
M-10	N-10	6	Hairline cracks, light efflorescence
N-10	O-10	6	Hairline cracks
O-10	P-10	6	Hairline cracks, spalled area repaired
Q-10	R-10	6	
R-10	S-10	6	Hairline cracks, light water staining
S-10	T-10	6	Hairline cracks, light water staining
T-10	U-10	6	Hairline cracks light water staining
T.5-9	114	9	
114	113	3	Hairline cracks, some Effloresence, hairline/open crack at col. 113 possible 3 sf delamination, exposed rebar (Image: Beam_2019-16)
113	110	6	Hairline cracks
110	GN S-7	7	
T.5-7	R.6-7	5	Hairline cracks, 2 lf diagonal open crack at R.6-7 (Image: Beam_2019-17)
R-6	R-8	7	
Q-6	Q-8	6	Small spalls near Q-8, hairline cracks

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Inspection Date: 7-5-2019	JCH	EAST END (ORIGINAL STRUCTURE)	2nd Level	Overall Beam Rating:	5.94

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
P-6	P-8	6	Hairline cracks
GN O-6	O-8	7	
P-7.9	O-7.9	6	Rust stains and water stains
N-6	N-8	6	Hairline cracks
GN M-6	M-8	7	
GN L-6	L-8	6	Hairline cracks, rust stains, small edge spalls
GN K-6	K-8	6	Ligh efflorescence from deck (Image: Beam_2019-18)
J-6	J-8	4	Repaired in 2010-2011, rust stains, bottom and south faces waterproofed (Beam_2019-19)
I-6	I-8	6	Hairline crack near midspan
H-6	H-8	6	Hairline cracks, some minor spalling
G-6	G-8	6	
F-6	F-8	7	
G-7.8	F-7.8	5	light effloresence, rust stains, 1 sf surface delamination at bar with no cover (Beam_2019-20)
E-6	E-8	6	Hairline cracks near mid span
D-6	D-8	6	Hairline cracks
C-6	C-7	7	
B-6	GN B-7	6	Hairline cracks
A+-6	A+-7	6	Water stains from joint above, 1 sf scale on bottom, hairline cracks
A+-7	C-7	6	Hairline cracks
J-6	P-6	6	Hairline cracks, efflorescence
J-5	M-5	6	Hairline cracks
P-4	M-4	6	Hairline cracks, efflorescence
M-4	J-4	6	Efflorescence, hairline cracks
J-3	M-3	6	Hairline cracks

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
M-3	P-3	6	Hairline cracks
103	P-3	6	Hairline cracks, efflorescence (Image: Beam_2019-21)
103	101	9	
P-3	101-(S)	6	1 lf hairline crack with efflorescence
101-(N)	101-(S)	6	Hairline cracks, only 1 face visible
GN M-2	GN P-2	7	
GN M-2	J-2	6	Hairline cracks
J-1	K-1	5	Outside view obstructed by precast
K-1	L-1	5	Outside view obstructed by precast
L-1	M-1	5	Outside view obstructed by precast
M-1	N-1	5	Outside view obstructed by precast
N-1	N.4-1	5	Outside view obstructed by precast
M-1	M-3	9	Not visible
104	106	7	
106	P-5	6	Hairline cracks, water stains
107	P-6	6	Hairline cracks
107	109	5	Hairline cracks, effloresence, wide crack, possible delamination @ 107 (Image: Beam_2019-22)
P-5	M-5	7	

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Inspection Date: 7 / 11 / 2019	Inspector(s): JCH	EAST END (ORIGINAL STRUCTURE)	3rd Level	Overall Beam Rating:	5.92

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
A+-7	A+-6	6	Staining from Pipe, Hairline cracks (Image: Beam_2019-41)
G A+-7	G C-7	6	Hairline cracks
GN B-7	B-6	6	Hairline cracks
C-7	C-6	6	Hairline cracks
D-8	D-6	6	Hairline cracks
E-8	E-6	6	Hairline cracks
F-8	F-6	6	Hairline cracks
G-8	G-6	6	Hairline cracks
G-7.8	F-7.8	4	Heavy efflorescence at bottom of stairs and beam (Image: Beam_2019-39, 40)
H-8	H-6	6	Hairline cracks
I-8	I-6	6	Hairline cracks, 3 sided hairline crack near mid-span
J-8	J-6	6	Repaired in 2010-2011, waterproofing on bottom and south faces, horiz. crack @ J-8 on patch, corner edge spall
K-8	K-6	5	Small Grease Spot mid-span 4" long.
L-8	GN L-6	6	Hairline cracks
M-8	GN M-6	6	Hairline cracks
N-8	GN N-6	6	Hairline cracks, 1" diameter grease span at mid-span (Image:Beam_2019-42)
O-8	GN O-6	6	Hairline cracks
P-8	GN P-6	5	2" & 6" dia. Grease spot mid-span, Hairline cracks (Image: Beam_2019-43)
Q-8	Q-6	6	Hairline cracks
GN P-7.8	GN O-7.8	6	water & rust stains
R-8	R-6	6	1" dia. Grease spot mid-span (Image: Beam_2019-44)
GN S-7	110	7	
G R.6-7	G T.5-7	6	Hairline cracks, diagonal crack @ col R.6-7 (Image: Beam_2019-45)

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
G 110	G 114	4	Exposed Rebar @ Col. 113-T.5 (Image: Beam_2019-37, 47)
G 114	G 113	4	Small spall, some exposed rebar with no cover (Image:Beam_2019-46)
U-10	U-9	5	Hairline cracks, widening cracks at mid-span (Image: Beam_2019-36)
T-10	GN T-9	6	Hairline cracks, efflorescense on beam from deck (Image: Beam_2019-35)
S-10	GN S-9	5	3" dia. Grease spot mid span (Image: Beam_2019-34)
U-9	T.5-9	6	6" sq. delamination, Hairline cracks (Image: Beam_2019-33)
T.5-9	R.6-9	6	Hairline cracks, water staining from ramp
R-10	R-8	7	
Q-10	Q-8	6	Hairline cracks, rust/grease staining @ beam/deck seam near Q-8 (Image: Beam_2019-32)
P-10	P-8	5	2" & 6" sq. Grease spot mid-span, efflorescence (Image: Beam_2019-31)
O-10	O-8	6	(2)- 2" dia. Grease spot mid-span (Image: Beam_2019-30)
G P.8-2	G O-8.2	5	1 lf open crack, efflorescence at bottom of stairs and beam (Image: Beam_2019-28, 29)
N-10	N-8	5	3" dia. Grease spot mid-span, efflorescence from deck (Image: Beam_2019-27)
M-10	M-8	7	
L-10	L-8	6	Efflorescence from deck/beam at midspan
K-10	K-8	6	Hairline cracks, efflorescence from deck - multiple spots on both faces (Image: Beam_2019-26)
J-10	J-8	5	Hairline cracks, 8 sf total delaminations on south face, south face waterproof except at area of delamis (Image: Beam_2019-25)
I-10	I-8	6	Hairline cracks
H-10	H-8	6	Hairline cracks
G-10	G-8	6	Hairline cracks, Rust stain at G-8.2 connection (Image: Beam_2019-24)
F-10	F-8	6	Hairline cracks
G-8.2	F-8.2	6	Hairline cracks, efflorescense starting at stair bottom and beam (Image: Beam_2019-23)
E-10	E-8	6	Hairline cracks
D-10	D-8	6	Hairline cracks

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Inspection Date: 7 / 11 / 2019	Inspector(s): JCH	EAST END (ORIGINAL STRUCTURE)	3rd Level	Overall Beam Rating:	5.92

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
C-10	C-9	7	
B-10	GN B-9	7	
A+-10	GN A+-9	6	Water staining, spalls on south face
G A+-9	C-9	6	Hairline cracks
G J-6	P-6	7	Minor Hairline cracks
P-5	M-5	7	Minor Hairline cracks
M-5	J-5	7	Minor Hairline cracks
J-4	M-4	6	Efflorescence (Image:Beam_2019-48, 49, 50, 51)
M-4	P-4	6	Efflorescence (Image: Beam_2019-52, 53, 54)
P-3	M-3	7	Patches along west edge
M-3	J-3	7	water staining near mid-span
J-2	GN M-2	7	
GN M-2	GN 102-(S)	7	
101-(S)	P-3	7	
101-(S)	101-(N)	7	
103	P-3	7	
G 103	G 104	9	
103	P.S-3.5	9	
105	P-3	9	
P.S-3.5	P.5-3.9	9	
106-(S)	P.S-5	9	
105	P-4	7	
107	P-6	7	
J-1	K-1	5	exposed bars external face, spalling, corrosion (Repaired) (Image: Beam_2019-55)

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
K-1	L-1	3	exposed bars outside face, visible delamination, corrosion (Repaired) (Image: Beam_2019-56)
L-1	M-1	3	exposed bars outside face, visible delamination, corrosion (Repaired) (Image: Beam_2019-57, 58)
M-1	N-1	4	exposed bars, visible delamination, corrosion (Repaired)
N-1	N.4-1	5	outside view obstructed by precast
106	P-5	7	

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Inspection Date: 7 / 11 / 2019	Inspector(s): JCH	EAST END (ORIGINAL STRUCTURE)	4th Level	Overall Beam Rating:	5.81

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
G A+-7	G C-7	5	Exp. Reinf. (Bad Constr.), Hairline cracks, Heavy efflorescence at ends, Picture #10 North, #9 South (Image: Beam_2019-100, 101)
A+-7	A+-6	4	Hairline cracks, water stains, spall w/exposed rebar S. face east end @ col. seam (Image:Beam_2019-99)
GN B-7	B-6	7	Minor hairline cracking
C-7	C-6	6	Hairline cracks @ 1/4 span (West end)
D-8	D-6	6	Hairline cracks
E-8	E-6	5	Hairline cracks, 3" dia. Grease spot mid-span, surface imperfections (Image: Beam_2019-98)
F-8	F-6	6	Hairline cracks
GN F-7.9	GN G-7.9	4	Rust stain, Hairline cracks, heavy efflorescence, possible delamination (Bm. supports stair) (Image: Beam_2019-95, 96, 97)
G-8	G-6	6	Hairline cracks
H-8	H-6	6	Hairline cracks, light efflorescence, diagonal hairline crack starting east end face, surface imperfections (Image: Beam_2019-94)
I-8	I-6	6	Hairline cracks
J-8	J-6	5	Water stains, Rust stains, south face has waterproofing, horiz cracking, eff along north face (Image: Beam_2019-88-93)
K-8	GN K-6	4	Hairline cracks, 4 sf delamination bott. & sides mid-span, horiz cracking @ mid-span (Image: Beam_2019-85, 86, 87)
L-8	GN L-6	6	Minor rust stain - West End (Bott.), light eff. @ west end
M-8	GN M-6	6	Hairline cracks
N-8	GN N-6	6	Void in bott. Bm. (mid-span) exposed PT-FIXED, cracking bott., Hairline cracks, rust stain (Image: Beam_2019-84)
O-8	GN O-6	5	Hairline cracks, cracking/rust stains mid-span, horiz cracking at patch at mid-span (Image:Beam_2019-82, 83)
G O-7.9	P-7.0	4	Hairline cracks, heavy efflorescence, 3-sided crack forming (Bm. Supports stairs) (Image: Beam_2019-80,81)
P-8	P-6	6	Void in bott. Bm. (mid-span) exposed PT, cracking bott., grease stain, hairline cracks @ patch (Image: Beam_2019-79)
Q-8	Q-6	6	Cracking mid-span (Sounds hollow)-FIXED, Hairline cracks (Image: Beam_2019-78)
R-8	R-6	6	Delam/cracking mid-span - FIXED, Hairline cracks (Image: Beam_2019-77)
G R.6-7	T.5-7	6	Hairline cracks, water stains
S-7	S-6	7	
G 110	114	6	Hairline cracks, weathered btwn. 113 & 114

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
G P-6	J-6	5	Cracking all sides w/grease 2" at bm. Tie-in, Hairline cracks, Diag. cracks at col. Corners, Picture #14 (Images: Beam_2019-102-108)
J-5	M-5	6	Hairline cracks, cracking 8' in (North end)
J-4	M-4	5	Hairline cracks, water staining, horiz cracking n. end, e. face near deck/beam, 1" dia grease stain (Image: Beam_2019-109, 110)
J-3	M-3	6	Hairline cracks, water staining from deck
J-2	GN M-2	5	Cracking (North End), Hairline cracks, Grease spot mid-span 4" long (Image: Beam_2019-111)
G M-1	M-3	6	Hairline cracks
J-1	K-1	5	Hairline cracks, outside view obstructed by precast, efflorescence at J-1
K-1	L-1	6	outside view obstructed by precast, hairline cracks, 3-sided crack @ 1/2, 1/3, efflorescence (Image: Beam_2019-112, 113)
L-1	M-1	6	outside view obstructed by precast, hairline cracks
M-1	N-1	6	outside view obstructed by precast, hairline cracks
N-1	N.4-1	6	outside view obstructed by precast
G 101-(S)	P-3	6	efflorescence at deck near P-3
GN M-2	GN 102 - (S)	6	Hairline cracks, Cont. crack 3-sides (South End)
101-(N)	101-(S)	6	2-sided visible, Hairline cracks
G 101-(N)	G 102-(N)	9	2-sided visible, Hairline cracks
103-(N)	P-3	5	Hairline cracks, 3-sided crack near P-3, corner crack @P-3
P-3	M-3	5	Hairline cracks, cont. crack 1/3 span, small edge spall, light efflorescence @ P-3
P-4	M-4	5	6" sq. Grease spot mid-span, Hairline cracks, effloresence from deck above (Image: Beam_2019-114, 115)
P-5	M-5	5	Crack 3-sides mid-span, Hairline cracks, grease stain 2" dia., light efflorescence from deck (Image: Beam_2019-116, 117)
P-6	107	7	
P-5	106	7	
G 103	G 104	7	
G 109	G 110	7	
U-10	U-9	6	Hairline Cracks

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Inspection Date: 7 / 11 / 2019	Inspector(s): JCH	EAST END (ORIGINAL STRUCTURE)	4th Level	Overall Beam Rating:	5.81

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
G U-9	T.5-9	6	Efflorescence @ T.5-9 (Image: Beam_2019-76)
G T.5-9	G R.6-9	6	Hairline cracks
T-10	GN T-9	7	Buildup/staining around pipe opening (Image: Beam_2019-74, 75)
S-10	GN S-9	7	
R-10	R-8	7	
Q-10	Q-8	6	Minor hairline cracks, efflorescence from deck @ mid-span, small edge spall (Image: Beam_2019-73)
P-10	P-8	6	Hairline cracks
G P-8.2	G 0-8.2	5	Rust stains from stair, (Bm. Supports stairs) (Image: Beam_2019-68, 69, 70, 71, 72)
O-10	O-8	6	Hairline cracks
N-10	N-8	6	Hairline cracks
M-10	M-8	5	Hairline cracks, 3" dia. grease stain at crack mid-span (Image: Beam_2019-67)
L-10	L-8	5	Hairline cracks, 2" dia. grease stain at crack mid-span (Image: Beam_2019-66)
K-10	K-8	6	2" light Grease stain mid-span at crack , hairline cracks
J-10	J-8	6	Efflorescence, heavy water stains from joint above (Image: Beam_2019-62, 63, 64, 65)
I-10	I-8	6	Hairline cracks
H-10	H-8	7	
G-10	G-8	6	Hairline cracks
F-10	F-8	6	Hairline cracks
G G8.2	G F-8.2	4	Rust stains, 3 lf open & 3 lf wide crack, efflorescence at stair bottom and beam (Image: Beam_2019-59, 60, 61)
E-10	E-8	7	
D-10	D-8	6	Minor hairline cracks mid-span
C-10	C-9	6	Hairline cracks
B-10	GN B-9	6	Hairline cracks
A+-10	A+-9	6	Water stains from joint above, efflorescence @ A+-10

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
G A+-9	G C-9	6	Hairline cracks, water stans from ramp
G102	G103	6	Hairline cracks

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Inspection Date: 7 / 12 / 2019	Inspector(s): JCH	EAST END (ORIGINAL STRUCTURE)	5th Level	Overall Beam Rating:	5.65

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
U-10	U-9	5	2-Sides visible, Full depth crack, Hairline cracks, Horiz crack near U-9
U-9	T.5-9	5	Hairline cracks, efflorescence at construction joint, weathering
G T.5_9	R.6-9	6	Hairline cracks, water stains, light efflorescence at deck/beam and beam/ramp
T-10	G T-9	7	
S-10	GN S-9	6	Hairline cracks, light efflorescence on north face near S-10
R-10	R-8	6	Hairline cracks, water stains on N. Face
Q-10	Q-8	6	water stains at stairs
P-10	P-8	6	Hairline cracks
GN P-9.8	GN O-9.8	4	Hairline cracks, water stains, 5lf open/wide crack, possible delamination (Image: Beam_2019-118)
O-10	O-8	6	Hairline cracks, light efflorescence from deck
N-10	N-8	6	Hairline cracks, 4 lf horizonal hairline crack near N-8, efflorescence near N-8 top of beam/deck, water stains
M-10	M-8	7	
L-10	L-8	5	Hairline cracks, (2)-1" dia. Grease at mid-span (Image: Beam_2019-119)
K-10	K-8	6	Hairline cracks, light efflorescence near K-8, horizontal crack (Image: Beam_2019-120)
J-10	J-8	3	Hairline cracks, heavy water stains exp. joint above,full length spalling on south face beam/slab cxn (Image: Beam_2019-121-126)
I-10	I-8	6	Hairline cracks
H-10	H-8	6	Hairline cracks, light efflorescence on north face
G-10	G-8	7	
GN F-9.8	GN G-9.8	4	Hairline cracks, some heavy efflorescence, rust stains (Image: Beam_2019-127, 128, 129)
F-10	F-8	6	Rust Stains adjacent elevator (Image: Beam_2019-130)
E-10	E-8	6	Hairline cracks
D-10	D-8	6	Hairline cracks, small edge spalls
C-10	C-9	5	Repaired in 2010-2011, crack close to col. C-9 follows beam cross section
A+-9	C-9	5	Hairline cracks, heavy efflorescence at mid-span deck/beam, eff @ N. Beam end near PT (Image: Beam_2019-131, 132, 133)

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
B-10	GN B-9	6	Hairline cracks
A+-10	A+-9	6	Hairline crack, water stains and efflorescence from joint above

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Inspection Date: 7 / 10 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	2nd Level	Overall Deck Rating:	4.84

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
U-10	U-9	T-10	GN T-9	5	20' hairline crack	Deck is still chloride saturated and waterproofing is worn, heavy debris on deck
T-10	GN T-9	S-10	GN T-9	5	60' hairline crack, 2" dia. Grease	Waterproofing is worn, drain has heavy rust
S-10	GN S-9	R-10	R-8	5	30' hairline crack from corner of a previous repair, 1 sf delamination	Deck is still chloride saturated and waterproofing is worn
R-10	R-8	Q-10	Q-8	5	30' hairline crack, 12 lf efflorescence with rust stains, water stains & 12 sf scale by drain (West end)	Deck is still chloride saturated and waterproofing is worn, drain os heavily damaged/ clogged/rusted, pic #52(2019)
Q-10	Q-8	P-10	P-8	5	70% visible, 20' hairline crack, efflorescence in patch	Deck is still chloride saturated and waterproofing is worn
P-10	P-8	O-10	O-8	5	20' hairline crack	Deck is still chloride saturated and waterproofing is worn, curb is worn
O-10	O-8	N-10	N-8	5	30' hairline crack (Diagonal), 1 sf delamination, 2 sf poorly filled patch, pic #61(2019)	Deck is still chloride saturated and waterproofing is worn
N-10	N-8	M-10	M-8	5	Rust spot (East end), 40' hairline crack, efflorescence along bm. on N 2 lf, 3 lf hairline crack with efflorescence, 1SF delamination	Deck is still chloride saturated and waterproofing is worn, drain os heavily damaged/ clogged/rusted, pic #53(2019)
M-10	M-8	L10	L-8	5	10' hairline crack, rust spot each end middle, 4 lf hairline crack with scale & water stains, grease stains, efflorescence in patch, 4SF delamination in patch, pic #62-64(2019)	Waterproofing is worn
L-10	L-8	K-10	K-8	5	15' diagonal hairline cracks, rust staining, 6SF possible delamination	Waterproofing is worn
K-10	K-8	J-10	J-8	5	75% visible, 15' hairline cracks, 3 lf hailine cracks with efflorescence, rough patches	Deck is still chloride saturated and waterproofing is worn
J-10	J-8	I-10	I-8	5	70% visible, Rust stain West end at col., Bad jt. Along J ??, 1/3 in office, waterproofing on underside over office, rough patch	Deck is still heavily chloride saturated and waterproofing is worn, drain in need of repair, pic #54-55(2019)
GN I-9.8	I-8	GN H-9.8	H-8	5	85% visible, 2SF delamination in patch	Deck is still heavily chloride saturated and waterproofing is worn
GN H-9.8	H-8	GN G-9.8	G-8	5	85% visible, OK	Deck is still chloride saturated and waterproofing is worn
GN G-9.8	G-8	GN F-9.8	F-8	5	10 lf hairline cracks	Deck is still chloride saturated and waterproofing is worn, curb is worn and cracked
F-10	F-8	E-10	E-8	5	70% visible, OK	Deck is still chloride saturated and waterproofing is worn, drain is heavily rusted
E-10	E-8	D-10	D-8	5	OK	Deck is still chloride saturated and waterproofing is worn, curb is worn
D-10	D-8	C-10	C-8	4	2 sf spall w/rebar showing col C-9	Deck is still chloride saturated and waterproofing is worn, drain is heavily rusted
C-10	C-7	B-10	GN B-7	4	20" hairline cracks, cracking near previous patch, 4 lf hairline cracks with efflorescence, 6 sf rust & water stains, 4SF delamination, pic #65(2019)	Deck is still chloride saturated and waterproofing is worn, middle worn through
B-10	GN B-9	A+-10	A+-9	4	(West end) - 20' hairline crack, effloresence & rust stains, 6 sf rust & water stains, 9SF delmaination, pic #66(2019)	Deck is still chloride saturated and waterproofing is worn, middle worn through, curb worn
A+-6	A+-7	B-6	GN B-7	5	15' hairline cracks, 6" sq spalling @ 7 anchor bolt locations, 5 lf heavy rust/grease stain East end, efflorescence	Waterproofing is worn, drain in need of repair, pic #56(2019)
B-6	GN B-7	C-6	GN C-7	5	OK	Waterproofing is worn
C-6	GN C-7	D-6	D-8	5	20' hairline cracks	Waterproofing is worn, drain in need of repair, pic #57(2019)
D-6	D-8	E-6	E-8	5	5' hairline cracks, water stains	Deck is still chloride saturated and waterproofing is worn, spalls in waterproofing

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Inspection Date: 7 / 10 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	2nd Level	Overall Deck Rating:	4.84

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
E-6	E-8	F-6	F-8	5	20' hairline cracks, drain rusted	Deck is still chloride saturated and waterproofing is worn, small spall in waterproofing
F-6	F-8	G-6	G-8	5	20' hairline cracks, 1sf spall West end edge of deck, rust stains at 6" sq. plywood cover	Deck is still chloride saturated and waterproofing is worn, curb is worn
G-6	G-8	H-6	H-8	5	20' hairline cracks	Deck is still chloride saturated and waterproofing is worn, curb is worn
H-6	H-8	I-6	I-8	4	2' sq. delamination with rust stains at embedded electrical boxes east end	Deck is still chloride saturated and waterproofing is worn. 1sf lifted/cracked w.p.
I-6	I-8	J-6	J-8	4	small rust stain w/effloresence, 2' sq. delamination at J-beam	Deck is still chloride saturated and waterproofing is worn, drain in need of repair, pic #58(2019)
J-6	J-8	GN K-6	K-8	5	20' hairline cracks, water stains from joint. Rust/grease stain mid-span South side 7 sf, but a lot of new P/T repairs	Deck is still chloride saturated and waterproofing is worn, curb is worn
GN K-6	K-8	GN L-6	L-8	5	20' hairline cracks, 12 sf water stains, P/T repairs done, 4SF delamination @ patch, rough patch work	Deck is still chloride saturated and waterproofing is worn
GN L-6	L-8	GN M-6	M-8	5	30' hairline cracks. Rust stains/grease West end 3 sf, 3SF possible delamination, rough patch work	Deck is still chloride saturated and waterproofing is worn, curb is worn
GN M-6	M-8	GN N-6	N-8	4	10' hairline cracks, 4SF delamination, pic #67(2019)	Deck is still chloride saturated and waterproofing is worn, curb is worn
GN N-6	N-8	GN O-6	O-8	5	25' hairline cracks, light out	Deck is still chloride saturated and waterproofing is worn
GN O-6	O-8	P-6	P-8	5	30' hairline cracks, multiple water stain circles	Deck is still chloride saturated and waterproofing is worn
P-6	P-8	Q-6	Q-9	5	25' hairline cracks, form left on (2x4), water stains	Deck is still chloride saturated and waterproofing is worn
Q-6	Q-8	R-6	R-8	5	16' hairline cracks, drain rusted, water stains	Deck is still chloride saturated and waterproofing is worn
R-6	R-8	110	GN S-7	5	15' hairline cracks, rust stains	Deck is still chloride saturated and waterproofing is worn
110	GN S-7	110	T.5-7	5	60' hairline cracks, 6" efflorescence at deck & column 110	Membrane worn, exposed p/t anchors in curb for ramp, driving lane worn through, curb worn pic #59-60(2019)
J-6	J-5	M-6	M-5	5	30' hairline cracks	Waterproofing is worn, curb worn, rust stains
M-6	M-5	P-6	P-5	5	50' hairline cracks, grease stains, 6SF possible delamination	Waterproofing is worn, curb worn
P-6	P-5	106	107	5	30' hairline cracks, minor grease, rust spots at pipe penetration, rough patch	Waterproofing is worn, curb worn
P-5	P-4	M-5	M-4	4	(4) - 3" dia. Rust spots W/effloresecne, 2sf delam. w/rust	Waterproofing is worn
M-5	M-4	J-5	J-4	5	(2) - 3" dia. rust spots w/effloresence	Waterproofing is worn, drain rusted, curb worn
J-4	J-3	M-4	M-3	4	Efflorescence (2) - 3" dia. & 2 lf along beam & deck, grease stain	Waterproofing is worn
M-4	M-3	P-4	P-3	4	Rust stains w/effloresence (5) - 3" dia., 8 sf water stain with light efflorescence along beam	Waterproofing is worn
103-(N)	103-(S)	101-(N)	101-(S)	5	20' hairline cracks, 6' hairline crack w/rust/effloresence	Waterproofing is worn
P-3	102-(S)	M-3	M-2	5	Rust/grease stains w/effloresence (7) - 3" dia.	Waterproofing is worn

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Inspection Date: 7 / 10 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	2nd Level	Overall Deck Rating:	4.84

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
M-3	M-2	J-3	J-2	5	grease stains w/effloresence (5) - 3" dia.	Waterproofing is worn, small bubbles in waterproofing
J-2	J-1	M-2	M-1	5	light rust stains w/effloresence (2) - 3" dia.	Waterproofing is worn
M-2	M-1	N.4-1	102-(S)	5	Couple rust stains w/effloresence (1) - 3" dia., water stains	Waterproofing is worn
S.7 - 9	S.7 - 7	R.6 - 9	R.6 - 7	5	60% visible, OK	Waterproofing has wear, deposits @ curb, minor rust stains
B - 9	B - 7	A+ - 9	A+ - 7	5	Inside garage area, No access	[RAMP UP (1-2)], Waterproofing is worn, cracks in curb, waterproofing worn through in spots
T.5 - 9	T.5 - 7	S.7 - 9	S.7 - 7	5	30' of hairline cracks, crack w/spalling, effloresence	[RAMP UP (2-3)], Waterproofing is worn, sidewalks have no waterproofing
C - 9	C - 7	B - 9	B - 7	5	Rust stains	[RAMP DOWN (2-2)], Waterproofing is worn

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Inspection Date: 7 / 9 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	3rd Level	Overall Deck Rating:	4.73

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
U-10	U-9	T-10	GN T-9	5	Plywood cover, 3' hairline cracks, 6 lf hairline cracks with light efflorescence, possible patch delamination, 1SF delamination @ pipe, pic #21(2019)	Waterproofing is worn
T-10	GN T-9	S-10	GN S-9	4	2 sf possible delaminations, 2 sf water & rust stains, pic #22-23(2019)	Waterproofing is worn
S-10	GN S-9	R-10	R-8	5	1sf light spalling (East end) - FIXED	Waterproofing is worn
R-10	R-8	Q-10	Q-8	5	3sf spalling (East end) - FIXED, efflorescence/rust/spalling @ drain	Waterproofing is worn
Q-10	Q-8	P-10	P-8	4	12 sf water & rust stains, poorly filled spall repairs, 4SF delamination, pic #24-26(2019)	Waterproofing is worn, curb rust
P-10	P-8	O-10	O-8	4	12 sf water & rust stains, 25SF delamination (patch), 15SF delaminations, (2) poorly filled spall repairs, pic #27-29(2019)	Waterproofing is worn, curb worn
O-10	O-8	N-10	N-8	4	1'sq spalling, patches of rust stains, East end patched, 30 sf rust & water stains & 30SF is delaminated / spalling in places, pic #30-34(2019)	Waterproofing is worn, curb worn
N-10	N-8	M-10	M-8	4	30SF total delaminations, 18 sf rust & water stains, pic #35-39(2019)	Waterproofing is worn, drain rusted
M-10	M-8	L-10	L-8	4	24 sf rust & water stains, 20SF delaminations, pic #40-42(2019)	Waterproofing is worn
L-10	L-8	K-10	K-8	3	25SF delaminations, 2 sf spalls with exposed bar, 8 sf rust & water stains, patches w/ delamination, pic #43-45(2019)	Waterproofing is worn
K-10	K-8	J-10	J-8	3	Minor spalls (West end), rust stain, 1 sf delamination, 2 sf spall with exposed bar, pic #46-47(2019)	Waterproofing is worn, curb worn
J-10	J-8	I-10	I-8	4	OK	Deck is still chloride saturated and waterproofing is worn, drain needs work, pic #17(2019)
I-10	I-8	H-10	H-8	5	3" sq. delamination at previous patchs	Deck is still chloride saturated and waterproofing is worn
H-10	H-8	G-10	G-8	5	OK	Deck is still chloride saturated and waterproofing is worn
G-10	G-8	F-10	F-8	5	OK	Deck is still chloride saturated and waterproofing is worn, curb is worn
F-10	F-10	E-10	E-8	4	OK, drain heavily rusted	Deck is still chloride saturated and waterproofing is worn, drain needs work, pic #18(2019)
E-10	E-8	D-10	D-8	5	Multiple 1' sq spalling (East end), minor rust stains	Deck is still chloride saturated and waterproofing is worn, curb is worn
D-10	D-8	C-10	C-8	5	Minor rust stains	Deck is still chloride saturated and waterproofing is worn, drain needs work, pic #19(2019)
C-10	C-9	B-10	GN B-9	5	2" sq Grease stain (West end)	Deck is still chloride saturated and waterproofing is worn, curb is worn
B-10	GN G-9	A+-10	A+-9	5	OK	Membrane wear at ramp, 2' curb hairline cracks, curb is worn
A+-6	A+-7	B-6	GN B-7	5	10' hairline cracks, (5'sq spalling - FIXED), heavy water stains at (3) anchor bolts	Waterproofing is worn, drain needs work, pic #20(2019)
B-6	GN B-7	C-6	GN C-7	5	OK	Waterproofing is worn
C-6	GN C-7	D-6	D-8	5	OK	Deck is still chloride saturated and waterproofing is worn.
D-6	D-8	E-6	E-8	5	OK	Deck is still chloride saturated and waterproofing is worn.

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Inspection Date: 7 / 10 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	3rd Level	Overall Deck Rating:	4.73

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
E-6	E-8	F-8	F-8	5	OK	Deck is still chloride saturated and waterproofing is worn, drain is rusted
F-6	F-8	G-6	G-8	5	2 lf hairline cracks with heavy efflorescence & rust stains near stairs	Waterproofing is worn, curb has wear
G-6	G-8	H-6	H-8	5	Water stains	Deck is still chloride saturated and waterproofing is worn, curb has wear
H-6	H-8	I-6	I-8	5	2 sf delamination in patch, minor rust at center, pic #51(2019)	Deck is still chloride saturated and waterproofing is worn
I-6	I-8	J-6	J-8	5	OK	Deck is still chloride saturated and waterproofing is worn, drain is rusted
J-6	J-8	GN K-6	K-8	5	8' hairline cracks, 1sf Delam. East end, rust stains	Deck is still chloride saturated and waterproofing is worn, curb has wear, minor rust stains
GN K-6	K-8	GN L-6	L-8	5	OK	Deck is still chloride saturated and waterproofing is worn
GN L-6	L-8	GN M-6	M-8	5	1 sf Rust stain	Deck is still chloride saturated and waterproofing is worn, curb has wear
GN M-6	M-8	GN N-6	N-8	5	Water stains	Deck is still chloride saturated and waterproofing is worn, curb has wear
GN N-6	N-8	GN O-6	O-8	5	2" dia. Grease stain, water stains	Deck is still chloride saturated and waterproofing is worn
GN O-6	O-8	P-6	P-8	5	6 lf hairline cracks with light efflorescence, water stains	Deck is still chloride saturated and waterproofing is worn, curb has wear
P-6	P-8	Q-6	Q-8	5	(2)-2" dia. Light grease,12' hairline cracks	Deck is still chloride saturated and waterproofing is worn, curb has wear
Q-6	Q-8	R-6	R-8	5	OK	Deck is still chloride saturated and waterproofing is worn, curb has wear
R-6	R-8	110	GN S-7	5	6 lf hairline cracks with light efflorescence, 3SF delamination @ patch, drain rusted, pic #50(2019)	Deck is still chloride saturated and waterproofing is worn, curb has wear
110	GN S-7	110	T.5-7	4	Water stains	Deck is still chloride saturated and waterproofing is worn
J-6	J-5	M-6	M-5	5	OK	Deck is still chloride saturated and waterproofing is worn, membrane bubbled up in spots, curb is worn
M-6	M-5	P-6	P-5	5	40' hairline cracks	Deck is still chloride saturated and waterproofing is worn, curb is worn, large oil spill
P-6	P-5	106	107	5	10' hairline cracks, water stains	Waterproofing has wear
P-5	P-4	M-5	M-4	5	3' hairline cracks	Waterproofing is worn.
M-5	M-4	J-5	J-4	5	1 sf delamination @ beam	Deck is still chloride saturated and waterproofing is worn, membrane bubbled up in spots
J-4	J-3	M-4	M-3	4	3' hairline cracks with efflorescence at drain, 2 sf poorly filled patch, pic #49(2019)	Deck is still chloride saturated and waterproofing is worn, membrane bubbled up in spots
M-4	M-3	P-4	P-3	4	3' hairline cracks with heavy efflorescence at drain, drain rusted	Waterproofing is worn, membrane bubbled up in spots, drain heavily rusted
P-4	P-3	103	P.5-3.5	5	OK	Waterproofing has wear
103-(N)	103-(S)	101-(N)	101-(S)	5	1' hairline cracks, efflorescence, water stains	Waterproofing has wear

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Inspection Date: 7 / 9 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	3rd Level	Overall Deck Rating:	4.73

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
P-3	102-(S)	M-3	M-2	5	(2)-2 sf delaminations, pic #48(2019)	Deck is still chloride saturated and waterproofing is worn
M-3	M-2	J-3	J-2	5	3" dia. grease spot (South end)	Deck is still chloride saturated and waterproofing is worn
J-2	J-1	M-2	M-1	5	3' hairline cracks, small patch w/plywood	Repatched at some point, waterproofing is worn
M-2	M-1	N.4-1	102-(S)	5	6' hairline cracks	Waterproofing has wear, deposits @ curb, minor rust stains
S.7 - 9	S.7 - 7	R.6 - 9	R.6 - 7	5	OK	[RAMP DOWN (3-2)], Waterproofing has wear, curb is worn
B - 9	B - 7	A+ - 9	A+ - 7	5	20' of hairline cracks	[RAMP UP (2-3)], Waterproofing is worn but not worn through, curb is worn
T.5 - 9	T.5 - 7	S.7 - 9	S.7 - 7	5	10' of hairline cracks	[RAMP UP (3-3)], Waterproofing has wear, curb is worn
C - 9	C - 7	B - 9	B - 7	5	OK	[RAMP DOWN (3-3)], Waterproofing is worn but not worn through, curb is worn

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Inspection Date: 7 / 9 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	4th Level	Overall Deck Rating:	4.95

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
U-10	U-9	T-10	GN T-9	5	Water stains and efflorescence at pipe penetration, 20' hairline cracks	Waterproofing is OK
T-10	GN T-9	S-10	GN S-9	5	6' hairline cracks	Waterproofing is OK
S-10	GN S-9	R-10	R-8	5	3 lf hairline cracks with efflorescence	Waterproofing is OK
R-10	R-8	Q-10	Q-8	5	36' hairline cracks, 6" sq spall, small rust stains, form left on w/ condition unknown, pic #9(2019)	Waterproofing is OK, moss near drain
Q-10	Q-8	P-10	P-8	5	70% visible, Water stains from stair , 6 lf +/- rust stain at bar with no cover	Waterproofing is OK, some moss
P-10	P-8	O-10	O-8	5	4' hairline cracks, rust stain	Waterproofing is OK, moss near stairs
O-10	O-8	N-10	N-8	5	Minor grease stains, 20' hairline cracks	Waterproofing is OK, moss near stairs
N-10	N-8	M-10	M-8	5	OK	Waterproofing is OK
M-10	M-8	L-10	L-8	5	9SF crack/delamination, 40' hairline crack, light efflorescence, pic #10(2019)	Waterproofing is OK, light moss
L-10	L-8	K-10	K-8	5	Rough patch, pic #11(2019)	Waterproofing is OK
K-10	K-8	J-10	J-8	5	Rough patch	Waterproofing is OK
J-10	J-8	I-10	I-8	5	OK	Waterproofing is OK
I-10	I-8	H-10	H-8	5	OK	Waterproofing is OK
H-10	H-8	G-10	G-8	5	OK	Waterproofing is OK, light moss
G-10	G-8	F-10	F-8	5	OK	Waterproofing is OK, silt deposit near stairs, curb is worn @ stairs
F-10	F-8	E-10	E-8	5	6 previous patches, rust stain & water stains at stairs	Waterproofing is OK
E-10	E-8	D-10	D-8	5	OK	Waterproofing is OK
D-10	D-8	C-10	C-8	5	1'sq total surface spallings 3" sq. each	Waterproofing is OK
C-10	C-9	B-10	GN B-9	5	12' hairline cracks, 2 previous patch	Waterproofing is OK
B-10	GN B-9	A+-10	A+-9	5	2" dia. Grease stain, 15' hairline cracks, 2 previous patch	Waterproofing is OK, membrane on ramp curb is worn
A+-6	A+-7	B-6	GN B-7	4	50' hairline cracks, 2 previous patch, 1 lf heavy efflorescence at deck/column A+-6, cracks in patch, rust stains, 6SF delamination @ pipe	Waterproofing has slight wear, portion of curb is chipped and exposed, pic #7(2019)
B-6	GN B-7	C-6	GN C-7	5	30' hairline cracks, 1 previous patch w/ heavy efflorescence, 9 lf hairline cracks with efflorescence, multiple grease stains	Waterproofing is OK, curb has wear
C-6	GN C-7	D-6	D-8	5	100' hairline cracks, (3)-6" dia. Grease stains, 20 lf hairline cracks with light efflorescence	Waterproofing is OK, curb has wear
D-6	D-8	E-6	E-8	5	100' hairline cracks, 14 lf hairline cracks with efflorescence, 3" dia. Grease stain in crack, form left on w/ unknown condition, pic #13(2019)	Waterproofing is OK, curb has wear

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Inspection Date: 7 / 9 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	4th Level	Overall Deck Rating:	4.95

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
E-6	E-8	F-6	F-8	5	10 previous patch, 70' hairline cracks, efflorescence, drain rust	Waterproofing is OK
F-6	F-8	G-6	G-8	5	40' hairline cracks, efflorescence, grease stain	Waterproofing is OK, curb is worn, large area deposit @ stairs/gutter
G-6	G-8	H-6	H-8	5	35' hairline cracks, efflorescence, water stain	Waterproofing is OK, curb is worn, large area deposit @ stairs/gutter
H-6	H-8	I-6	I-8	5	2 previous patch, 25' hairline cracks, efflorescence, grease stain, crack in patch around rusted drain	Waterproofing is OK, curb has some wear
I-6	I-8	J-6	J-8	5	55' hairline cracks, efflorescence, 2 rusted drains, grease stain midspan	Waterproofing is OK, curb is worn
J-6	J-8	GN K-6	K-8	5	40' hairline cracks, efflorescence, 2'sq spalling, efflorescence in patch	Waterproofing is OK, curb has heavy wear
GN K-6	K-8	GN L-6	L-8	5	20' hairline cracks, 2 previous patches, drain rusted	Waterproofing is OK, curb has some wear
GN L-6	L-8	GN M-6	M-8	5	2 previous patches, 15' hairline cracks, grease/efflorescence/cracks in rusted drain patch	Waterproofing is OK, curb has some wear
GN M-6	M-8	GN N-6	N-8	5	15' hairline cracks, 2 previous patches, grease stains, rusted drain, 4SF delamination	Waterproofing is OK, curb has some wear, deposits between drains
GN N-6	N-8	GN O-6	O-8	5	20' hairline cracks, 3 previous patches, rusted drain, 2SF delamination light, cracks in patch around drain	Waterproofing is OK
GN O-6	O-8	P-6	P-8	5	50' hairline cracks w/ light efflorescence, 1 previous patches, grease stain, cracks in rusted drain patch	Waterproofing is OK, curb is worn, deposits @ stairs/gutter
P-6	P-8	Q-6	Q-8	5	45' hairline cracks, grease stain	Waterproofing is OK, deposits between drains
Q-6	Q-8	R-6	R-8	5	60' hairline cracks, grease stain, 2SF spall @ light, rusted drain, efflorescence	Waterproofing is OK, curb has some wear, deposits @ curb
R-6	R-8	110	GN S-7	5	50' hairline cracks, efflorescence, 1'sq spalling, rusted drain	Waterproofing is OK, curb is worn, deposits @ curb corner
110	GN S-7	110	T.5-7	5	50' hairline cracks w/ light efflorescence, grease stains	Waterproofing is worn
J-6	J-5	M-6	M-5	4	20' hairline cracks, efflorescence, wide open crack, grease stains	Waterproofing is OK, curb has some wear, rust stains
M-6	M-5	P-6	P-5	5	70' hairline cracks, grease stains	Waterproofing is OK, curb has some wear
P-6	P-5	106	107	5	10' hairline cracks	Waterproofing has heavy wear
P-5	P-4	M-5	M-4	5	OK	Waterproofing is OK
M-5	M-4	J-5	J-4	5	50' hairline cracks, efflorescence	Waterproofing is OK, curb has some wear
J-4	J-3	M-4	M-3	5	20' hairline cracks, efflorescence	Waterproofing is OK, curb has some wear
M-4	M-3	P-4	P-3	5	10' hairline cracks, rusted drain, cracks in patch, 1SF delamination @ P3	Waterproofing is OK, large area deposit @ curb corner
P-4	P-3	103	105	8	pic #8(2019)	pic #8(2019)
103-(N)	103-(S)	101-(N)	101-(S)	4	30' hairline cracks, overhead repair completed in 2010-2011, efflorescence in cracks @ patch	Waterproofing is OK, deposits @ corner/roof drain in curb, minor grease stains

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Inspection Date: 7 / 9 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	4th Level	Overall Deck Rating:	4.95

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
P-3	102-(S)	M-3	M-2	5	Water stains, grease stains	Waterproofing has wear
M-3	M-2	J-3	J-2	5	20' hairline cracks, efflorescence, cracks in patch around rusted drain, 4SF delamination, pic #14(2019)	Waterproofing has wear
J-2	J-1	M-2	M-1	5	25' hairline cracks, exposed rebar, 1SF delamination, grease stains, form left w/ patch @ unknown condition, pic #15-16(2019)	Waterproofing has wear, curb has some wear, deposits @ curb, minor rust stains
M-2	M-1	N.4-1	102-(S)	5	30' hairline cracks, efflorescence, 2SF delamination	Waterproofing has wear, deposits @ curb, minor rust stains
S.7 - 9	S.7 - 7	R.6 - 9	R.6 - 7	5	Water stains	[RAMP DOWN (4-3)], Waterproofing has wear but not worn through, no membrane on curb
B - 9	B - 7	A+ - 9	A+ - 7	5	20' of hairline cracks, water stains	[RAMP UP (3-4)], Waterproofing has wear but not worn through, curb membrane severely worn
T.5 - 9	T.5 - 7	S.7 - 9	S.7 - 7	5	20' of hairline cracks	[RAMP UP (4-4)], Waterproofing has wear & worn through in a couple spots, curb has heavy wear
C - 9	C - 7	B - 9	B - 7	5	25' of hairline cracks, efflorescence, pic #12(2019)	[RAMP DOWN (4-4)], Waterproofing is OK, curb has heavy wear

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Inspection Date: 7 / 8 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	5th Level	Overall Deck Rating:	4.95

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
U-10	U-9	T-10	GN T-9	5	4' hairline cracks, water penetration in one spot	New waterproofing surface, pooling standing water
T-10	GN T-9	S-10	GN S-9	5	48' hairline cracks, efflorescence, 1 previous patch, heavy rust on drain	New waterproofing surface
S-10	GN S-9	R-10	R-8	5	75' hairline cracks, efflorescence, 1 previous patch	New waterproofing surface
R-10	R-8	Q-10	Q-8	5	60' hairline cracks, efflorescence @ end, heavy rust on drain	New waterproofing surface
Q-10	Q-8	P-10	P-8	5	65' hairline cracks, water stains, efflorescence	New waterproofing surface
P-10	P-8	O-10	O-8	5	35' hairline cracks, water stains, efflorescence, 1'sq spalling, exposed rebar	New waterproofing surface, pooling standing water
O-10	O-8	N-10	N-8	5	80' hairline cracks @ ends & mid-span, efflorescence	New waterproofing surface
N-10	N-8	M-10	M-8	5	70' hairline cracks, efflorescence, exposed rebar, drain rusted	New waterproofing surface
M-10	M-8	L-10	L-8	5	5' sq spalling exposed rebar, hairline cracks @ end along '8' line, efflorescence, pic #1(2019)	New waterproofing surface
L-10	L-8	K-10	K-8	5	60' hairline cracks, efflorescence, 2SF delamination @ end	New waterproofing surface
K-10	K-8	J-10	J-8	5	50' hairline, efflorescence	New waterproofing surface
J-10	J-8	I-10	I-8	4	Spall around pipe @ facia , 3SF delamination, exposed rebar, multiple 1SF delaminations @ facia, 55' hairline cracks, drain rusted, efflorescence, can hear deck expansion under sun, pic #2-5(2019)	New waterproofing surface
I-10	I-8	H-10	H-8	5	Efflorescence around drain, rust on drain, multiple 1SF delaminations @ facia, exposed rebar	New waterproofing surface
H-10	H-8	G-10	G-8	5	Rust on drain, efflorescence @ patch around drain, multiple 1SF delaminations @ facia	New waterproofing surface
G-10	G-8	F-10	F-8	5	Multiple 1SF delaminations @ facia, efflorescence, 3SF delamination	New waterproofing surface, pooling standing water
F-10	F-8	E-10	E-8	5	60% visibility, rust on drain, heavy efflorescence around drain, 40' hairline cracks, efflorescence	New waterproofing surface
E-10	E-8	D-10	D-8	5	Efflorescence, 10' hairline cracks, multiple 1SF spalls @ facia	New waterproofing surface
D-10	D-8	C-10	C-8	5	25' diagonal hairline crack, 9SF delamination, efflorescence, rust, drain rust, multiple 1SF spalls	New waterproofing surface
C-10	C-9	B-10	GN B-9	5	Exposed rebar, multiple 1SF delaminations	New waterproofing surface
B-10	GN B-9	A+-10	A+-9	5	40' hairline cracks	New waterproofing surface
S.7 - 9	S.7 - 7	R.6 - 9	R.6 - 7	5	70' of hairline cracks, heavy efflorescence, visible crack in ramp, pic #6(2019)	Membrane appears to be new, seal @ sidewalk cracked
B - 9	B - 7	A+ - 9	A+ - 7	5	70' of hairline cracks, efflorescence, visible crack perpendicular to ramp	Membrane has some wear, seal @ sidewalk cracked

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Inspection Date: 8 / 21 / 2019	Inspector(s): JCH	EAST END (ORIGINAL STRUCTURE)	Overall Exp. Joint Rating:	5.13

Level	Location	Joint Rating:	Expansion Joint Notes:
2nd Level	Upper 2, J column line	5	Dirty expansion joint, superficial tears, debris in joint
2nd Level	Upper 2, A and A+ line	6	Dirt in joint. No signs of leaking. Material repaired in 2010-2011. Water stain below
2nd Level	Lower A and A+ line	6	Dirt in expansion joint. No signs of leaking.
2nd Level	Lower 2, J column line	5	Debris in joint. No signs of leaking.
2nd Level			
2nd Level			
	2nd Level	**5.50**	
3rd Level	Upper 3, J column line	5	Dirt in joint, no visible leaking, Joint replaced in 2011
3rd Level	Upper 3, A and A+ line	6	Water pooling on expansion joint from leak above, Signs of wear in gland, dirt in joint, no signs of leaking
3rd Level	Lower 3, A and A+ line	6	Dirt in joint, no signs of leaking. Water dripping off end of joint, pooling below, typical on lower end A/A+ line. (Exp. Jt. 11, 12, 13_2019)
3rd Level	Lower 3, J column line	5	Tears in sealant below, light wear above. Dirt in joint.
3rd Level			
3rd Level			
Average Rating	**3rd Level**	**5.50**	

Inspection Date: 8 / 21 / 2019	Inspector(s): JCH	EAST END (ORIGINAL STRUCTURE)	Overall Exp. Joint Rating:	5.13

Level	Location	Joint Rating:	Expansion Joint Notes:
4th Level	Upper 4, J column line	3	Tears in sealant below, dirty joint material, water stains below, leaking @ east and west ends. Debris in joint. (Exp. Jt. 15, 16, 17, 18_2019)
4th Level	Uper 4, A and A+ line	6	Dirt in joint, Joint replaced in 2011, No signs of leaking
4th Level	Lower A and A+ line	6	Expansion joint dirty, No signs of leaking
4th Level	Lower J column line	5	Leaking West end, lots of debris, Joint replaced in 2011, Header wearing (Exp. Jt. 14_2019)
4th Level			
4th Level			
Average Rating	**4th Level**	**5.00**	
5th Level	A and A+ column line	6	Joint replaced in 2011, dirt in joint, no signs of leakage
5th Level	South East stair	5	New Joint Sealant placed in 2011, no tears in joint sealant
5th Level	J column line	4	Wet spot (East end), leaking West end, Joint replaced in 2011, debris in joint (Exp. Jt. 19, 20_2019)
5th Level	North East stair	3	Water marks below, New Joint Sealant placed in 2011, tears in sealant @ cmu face, sealant cracked. (Exp. Jt. 22, 23, 24_2019)
5th Level			
5th Level			
Average Rating	**5th Level**	**4.50**	

Inspection Date: 7 / 11 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	Overall WP & Sealants Rating:	**4.80**

Level	WP & Sealants Rating:	Waterproofing and Sealants Notes:
Ground	4	Waterproofing on curbs/islands/sidewalks showing deterioration, many bubbles in the membrane, membrane on ramp show heavy wear and is mostly worn through in main travel lane, main wearing surface is asphalt and is in good condition
2nd Level	4	Deck is chloride saturated for the most part, many drains clogged and rusted, overall the waterproofing is worn w/ heavy wear @ the main travel lane and ramps, sidewalks on ramps do not have any waterproofing, overall waterproofing has some bubbles and spalls and holes due to wear, most curbs have heavy wear
3rd Level	4	Deck is chloride saturated for the most part, many drains clogged and rusted, overall the waterproofing is worn, ramps are beginning to wear, main travel lanes have the most visible wear as well as under common parking locations, overall waterproofing has some bubbles and spalls and holes due to wear, most curbs have heavy wear
4th Level	6	Waterproofing is okay, recently replaced, many of the curb faces are damaged due to plow and vehicle contact, some locations have moss growing where drainage isn't sufficient, overall good
5th Level	6	Waterproofing is okay, recently replaced, minimal damage to curb faces due to plow and vehicle contact, some ponding locations in areas of poor drainage, overall good

Inspection Date: 7 / 10 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	Ground	Overall Wall Rating:	5.72

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
C-8	D-8	7	OK
D-8	E-8	6	5 lf hairline cracks
E-8	F-8	6	5 lf hairline cracks
F-8	F.7-8	7	OK
G-8	H-8	9	CMU joint hairline cracks, Security office re-painted, inside old office
H-8	H.8-8	9	CMU joint hairline cracks, Security office re-painted, inside old office
G-8	G.8-8	6	Security office re-painted, 10' hairline cracks, 1 side visible
G.8-8	H.8-8	6	Security office re-painted, 1 side visible
H.6-8.8	H.8-8	6	CMU joint hairline cracks, Security office re-painted, 1 side visible
H.8-8	I-8	7	OK, Security office, 1 side visible
I-8	J-8	4	15 lf Hairline cracks, 3 sf Delamination at column J-8., rust stains, pic #1(2019)
J-8	K-8	4	10 lf Hairline cracks, 3 sf delamination at column J-8, pic #2(2019)
K-8	L-8	5	25 lf Hairline cracks
L-8	M-8	6	5 lf Hairline cracks
M-8	N-8	6	15 lf Hairline cracks
N-8	O-8	6	5 lf Hairline cracks
O.3-8	P-8	6	5 lf Hairline cracks
P-8	Q-8	5	15 lf Hairline cracks, small 3" sq spall with light efflorescence
Q-8	R-8	6	5 lf Hairline cracks
R-8	R.6-8	6	10' Hairline cracks
R.6-8	S.7-8	6	15' Hairline cracks
R.6-7	S-8	4	15' Horizontal & vertical cracks, 2SF delamination patch, pic #3(2019)
S.7-8	S.6-9	7	OK
S.7-8	S.6-7	5	Cracking at corner, 4SF delamination, pic #4(2019)

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
R-6	110	6	CMU joint cracks, step cracking
Q-6	R-6	6	Bott. Window frame rusted-paint pealing, 2x cracks in glass windows
P-6	Q-6	6	2 lf hairline crack, Bott. Window frame rusted-paint pealing, crack in glass window
109	R-6	6	CMU Joint cracks
104	103	9/7	Half inside locked room, OK
103.5	P-3	6	Bottom of door frame rusted, patch, efflorescence around electric box
p-3	P-4	6	(2) - 6" sq. spalls, window frame rusted
P-4	P-5	6	(3) - 6" sq. spalls, window frame rusted
P-5	P-5.7	6	Window frame rusted
103	P-3	5	Bottom (2) courses have light scale, window frame, door & door frame are rusted heavily
101	101.4	6	Bottom (2) courses have light scale, seal with column is cracked
J-1	J-2	9/4	3/4 in bike cage, CMU face shell hairline cracks, joint hairline cracks, mortar missing (Can see thru to outside),wide step crack, pic #5-6(2019)
J-2	J-3	4	CMU step hairline cracks. Step crack - Can see outside
J-3	J-4	4	CMU step hairline cracks. Step crack - Can see outside
J-4	J-5	6	CMU step hairline cracks
J-5	J-6	6	CMU step hairline cracks
A+-6	B-6	5	3x CMU step cracks - Can see thru
B-6	C-6	5	2x Full height CMU step cracks - Can see thru
C-6	D-6	5	2x CMU step cracks - Can see thru
D-6	E-6	6	OK
E-6	F-6	6	OK
F-6	G-6	6	2x CMU step hairline cracks
G-6	H-6	6	CMU step hairline cracks
H-6	I-6	5	3x CMU step cracks - can see thru, CMU face shell cracks

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8 = not applicable
7 = new condition, no deterioration, functioning as originally designed
6 = used to shade between 5 and 7
5 = minor deterioration, but functioning as originally designed
4 = used to shade between 3 and 5
3 = serious deterioration or not functioning as originally designed
2 = used to shade between 1 and 3
1 = completely deteriorated or in failed condition

Inspection Date: 7 / 10 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	Ground	Overall Wall Rating:	5.72

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
I-6	J-6	6	Full height sealant cracked @ column, both columns, can see through
A+-8.8	B-7	7	OK

Wall Start Column:	Wall End Column:	Wall Rating:	Notes

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Inspection Date: 7 / 10 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	2nd Level	Overall Wall Rating:	5.94

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
U-9	T.5-9	5	Wide cracks on top, possible 1 sq. delamination
A+-6	B-6	6	CMU step hairline crack, effloresence, water stains
B-6	C-6	6	OK
C-6	D-6	6	OK
D-6	E-6	6	CMU step cracks
E-6	F-6	6	OK
F-6	G-6	6	OK
G-6	H-6	6	OK
H-6	I-6	6	Water stains, 15SF efflorescence
I-6	J-6	6	Water stains, joint material seperated between wall and column (full height & both columns)
J-6	J-5	6	Water stains, crack under CMU @ J6, pic #7(2019)
J-5	J-4	6	water stains & light efflorescence
J-4	J-3	6	Light efflorescence, water stains, CMU step cracks
J-3	J-2	6	Light efflorescence, water stains
P-3	C-6	6	Small rust stain on CMU, 1 CMU w/ heavy scalling
J-2	J-1	6	2x CMU step hairline crack, water stain

Wall Start Column:	Wall End Column:	Wall Rating:	Notes

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6 = used to shade between 5 and 7
5 = minor deterioration, but functioning as originally designed
4 = used to shade between 3 and 5

3 = serious deterioration or not functioning as originally designed
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Inspection Date: 7 / 10 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	3rd Level	Overall Wall Rating:	5.40

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
A+-6	B-6	5	50% of the wall - Heavy water stains and efflorescence, 2x CMU step wide cracks
B-6	C-6	5	50% of the wall - Heavy water stains and efflorescence, 2x CMU step cracks, joints empty
C-6	D-6	5	15% heavy efflorescence, CMU step wide cracks, water stains, (1) CMU block with scale
D-6	E-6	5	25% heavy efflorescence, water stains
E-6	F-6	5	25% heavy efflorescence & water stains
F-6	G-6	5	80% heavy efflorescence, CMU step cracks, water stains
G-6	H-6	6	Light Efflorescence, 2x CMU step cracks, water stains
H-6	I-6	6	4x CMU step and face shell cracks, water stains, efflorecence, joints w/o mortar, cracks along column
I-6	J-6	6	Full height cracked joint material at both column, water stains, light efflorescence
J-6	J-5	4	Water stains, 50SF efflorescence heavy in spots, CMU joint cracks an pushing out, top course pushing out, pic #8-7(2019)
J-5	J-4	6	Efflorescence, 4x Hairline step cracks, water stains
J-4	J-3	6	Light Efflorescence, 4x CMU step cracks, water stains
J-3	J-2	5	CMU step cracks, missing mortar, water stains
J-2	J-1	6	3x CMU Hairline step cracks, effloresence, water stains
U-9	T.5-9	6	Hairline cracking along column

Wall Start Column:	Wall End Column:	Wall Rating:	Notes

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Inspection Date: 7 / 10 / 2019	Inspector(s): ZBR	EAST END (ORIGINAL STRUCTURE)	4th Level	Overall Wall Rating:	5.33

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
U-9	T.5-9	5	Wide cracks, upper right corner, corner spall, pic #10(2019)
A+-6	B-6	5	CMU joint hairline cracks, joint material cracks at column, 8" missing mortar, cap missing joints, light efflorescence
B-6	C-6	6	CMU joint hairline cracks, joint material cracks at column, cap missing joints, light efflorescence
C-6	D-6	6	CMU joint hairline cracks, joint material cracks at column, cap missing joints, light efflorescence
D-6	E-6	6	CMU joint hairline cracks, joint material cracks at column, cap missing joints, light efflorescence
E-6	F-6	6	CMU joint hairline cracks, joint material cracks at column, cap missing joints, light efflorescence
F-6	G-6	5	CMU joint hairline cracks, joint material cracks at column, cap missing joints, light efflorescence, 4" missing mortar joint
G-6	H-6	5	CMU joint hairline cracks, joint material cracks at column, small crack in cmu center (top)
H-6	I-6	6	CMU joint hairline cracks, joint material cracks at column, cap missing joints, light efflorescence
I-6	J-6	4	CMU joint hairline cracks, joint material cracks at column, 2x rust stain in jt., cap missing joints, light efflorescence
J-6	J-5	5	CMU joint hairline cracks, joint material cracks at column, Hairline cracks in several blocks, cap missing joints, light efflorescence
J-5	J-4	6	CMU joint hairline cracks, joint material cracks at column, cap missing joints, light efflorescence
J-3	J-2	5	CMU step cracks, joint material cracks at column, cap missing joints, light efflorescence, multiple holes in joint
J-2	J-1	5	CMU step cracks, joint material cracks at column, wide cracks w/missing mortar, cap missing joints, light efflorescence, multiple holes in joint
J-4	J-3	5	CMU hairline cracks in Jt, Jt material cracks at col., cap missing joints, light efflorescence, multiple holes in joint

Wall Start Column:	Wall End Column:	Wall Rating:	Notes

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5 = minor deterioration, but functioning as originally designed
4 = used to shade between 3 and 5
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Inspection Date: 8 / 13 / 2019	Inspector(s): KWK	EAST END (ORIGINAL STRUCTURE)	Overall Stairs Rating:	**4.58**

Location	Level	Stair Rating:	Stair Notes:
Northwest	1	5	Painted railings and window frames rusting/worn/paint peeling. 6 lf hairline cracks under stairs. 1 sf delamination under stair w/exposed rebar. 2 sf additional delamination started. Rail post bases rusting. Bird droppings at entires. Nosing material starting to deteriorate.
Northwest	2	6	Painted window frames ok, railing paint worn, small chips. 3 lf hairline cracks under stairs. New patch on small area of delamination. Rail post bases starting to rust. Minor deterioration of nosing material.
Northwest	3	4	Painted window frames ok, railing paint wearing. Minor rusting at railing post bases. Delamination at 2 railing posts - one with spalling. Nosings ok.
Northwest	4	3	8 SF map cracking under stairs. 6 areas of delamination at railing posts - 2 have been previously patched - patch delamination started. Painted window frames ok, painted railings worn. Minor rusting at rail post bases. Window frames at roof - heavy rusting/water infiltration. Efflorescence visible on concrete below roof window frames.
Northwest			
Northwest			
Average Rating	**Northwest**	**4.50**	
Northeast	1	5	Paint peeling on exterior door - no outside door handle. Door closes but swings open 4". Doesn't latch. Minor rusting at bottom of frame. Interior door paint peeling. Hardware rusted, still functioning. 4 lf hairline cracks under stairs. Area of CMU morther missing below stair. Railing paint peeling, railing rusted beneath. 1 SF area of spalling on exterior wall. Nosings ok. Delamination started at one rail post.
Northeast	2	6	Water stains/efflorescence on CMU. Small area of spalling at window frame. Roof drain currently connected, no apparent efflorescence. Railing paint starting to peel. Area of delamination at one rail post. Door hardware rusting, still functions. Nosings ok.
Northeast	3	5	(2) CMU blocks spalling. Water stains and CMU step cracking. Water staining on underside of landing/deck. No door, frame rusted at head. Crack/delamination at one rail post. Nosings ok.
Northeast	4	5	CMU spalling. Water stains/efflorescence on CMU. 8 lf step cracking in CMU joints. Open electric box. No indication of water at windows. Door paint peeling, rusted beneath. Door frame heavily rusted, deteriorating. Nosings ok. One CMU block opened for conduit access, no patch.
Northeast	5	5	CMU spalling. Exterior painted. Water staining on ceiling - appears to be new patch around roof drain. CMU joint crack at door frame. Door paint peeling, rusted beneath. Water staining on CMU. Railing paint starting to peel. Nosings ok.
Northeast			
Northeast			
Average Rating	**Northeast**	**5.20**	

Inspection Date: 8 / 13 / 2019	Inspector(s): KWK	EAST END (ORIGINAL STRUCTURE)	Overall Stairs Rating:	4.58

Location	Level	Stair Rating:	Stair Notes:
Southeast	1	4	Exterior door has no handle. Interior door handle sticks/doesn't latch. Interior door and frame have minor rust. 5 lf hairline cracks on floor. Cracks/delamination on 6 stairs at rail post bases. One appears to have been patched, patch delaminating. Nosings ok. Railing paint peeling, railings rusted.
Southeast	2	4	Water stains and efflorescence on CMU. Open crack on 2 CMU blocks/blocks delaminating. No apparent waterstaining at windows. Delamination/cracks at 4 rail post bases. Paint starting to peel on door and frame. Minor rust. Minor rust on railing. Nosings ok. 2 open holes in CMU at light conduit.
Southeast	3	4	Water stains/efflorescence on CMU. 8 lf step cracking in CMU joints. No apparent water staining at windows. No door, frame paint peeling. Frame has rust. Railing has minor rust. Water staining on ceiling/underside of slab above. Nosings ok.
Southeast	4	4	Water stains/efflorescence on CMU. 1 block heavily spalled w/patch, patch delaminating. Adjacent blocks beginning to spall. CMU joint crack at door frame. No door. 10 lf step cracking in CMU. 4 holes in CMU at light conduit - block is cracking. Efflorescence on CMU at window. Railings have minor rust. Water staining below window. Nosings ok.
Southeast	5	5	8 lf hairline cracks in CMU. Water stains/efflorescence on ceiling. Uncovered elec. Box. Crack/step cracking over door. Peeling paint/surface rust on door. Railing has minor rust. Elev storefront door hinge broken. Some patching in CMU walls. Nosings ok.
Southeast			(Handrails lightly rusted w/paint chips throughout)
Southeast			
Average Rating	**Southeast**	**4.20**	
Interior North	1	4	Railing paint peeling, rust. Post bases have heavy rust. Nosing material starting to deteiorate. 2 lf cracks w/rust stains on stairs. Cracking at two posts - cracks transferring through patch. Some spalling on risers. Treads ok but dirty/oily.
Interior North	2	4	Rusting hand rail, 8 lf hairline cracks, efflorescence, water stains. Under stair spalling. Sleeve rusting on concrete - bad post, (2) delaminations at rail post, 2 posts heavily rusted/delaminated - some patching, cracks/delamination transferring through patch, 4 lf hairline crack with rust stains underside steps. Nosing deteriorating. Spalling on risers.
Interior North	3	5	Rusted hand rail, 6 lf hairline cracks, Patching at rail posts showing cracks. 1 delamination/crack at post. Nosings ok.
Interior North	4	5	6 lf hairline cracks, water penetration/stains below windows, efflorescence and rust stains on concrete.Delamination at rail post base. Railings rusting. 1 SF delaminations at top of stairs. Some patching w/cracks transferring through. Nosings ok.
Interior North	5	5	Water stains/algae at base of windows and on floor. Roof scuppers have been replaced. Minor paint peeling on railing. Efflorescence on concrete. Nosings ok. 4 lf hairline cracks.
Interior North			
Interior North			
Average Rating	**Interior North**	**4.60**	

Inspection Date: 8 / 13 / 2019	Inspector(s): KWK	EAST END (ORIGINAL STRUCTURE)	Overall Stairs Rating:	**4.58**

Location	Level	Stair Rating:	Stair Notes:
Interior South	1	4	Rail heavily rusted, 2 lf hairline crack w/water and rust stains. Nosing material starting to deteriorate. Efflorescence on stairs. Cracks/delamination at one rail post.
Interior South	2	4	Rail heavily rusted, Nosing material starting to deteriorate. Water/rust stains. 4 delaminations. 1 SF area of spalling below stair. 1 SF riser delamination.
Interior South	3	4	Rail heavily rusted. Minor nosing material loss. Efflorescence/rust stains. 7 areas of delamination/cracks at post rails. Some patching. Post not connected at base - rusted.
Interior South	4	5	10 lf hairline cracks. Water stains/efflorescence below windows and on floor. Efflorescence under stair. Railing slightly rusted, posts rusted. 3 delaminations at rail posts.
Interior South	5	5	4 LF hairline cracks. Water stains/algae below windows and on floor. Bottom door hinge rusted, still functions. Supper replaced. Nosings ok, railings ok, minor rust at bases.
Interior South			
Interior South			
Average Rating	**Interior South**	**4.40**	

Inspection Date: 8 / 13 / 2019	Inspector(s): KWK	EAST END (ORIGINAL STRUCTURE)	Overall Veh. Barriers Rating:	6.22

Level	Location	Conc.	Steel	Cable	Wood	Veh. Barr. Rating:	Vehicle Barrier Notes:
Ground	A+10 to E-10		x			5	Dent at B-10 to C-10
Ground	F+10 to P-10		x			6	Guardrail at F--9.5 rusted and bent. Guardrail at K-9.5 bent.
Ground	Q-10 to U-10		x			7	
Ground	South ramps	x	x	x		5	Rust on cable clamps and springs. Spalling and delamination at rail bases. Rail has areas of rust. One bollard bent and missing a bolt.
Ground	C-8 to F.5-8			x		6	Some rust on cable camps and springs.
Ground	8 to O-8			x		6	Some rust on cable camps and springs.
Ground	O.5-8 to R.6-8			x		6	Some rust on cable camps and springs.
Ground	North ramp			x		6	Some rust on cable camps and springs.
Ground	A+-6 to J.8-6		x			7	
Ground	J-6 to J-1		x			7	
Ground	M-6 to M-3		x			8	No barriers between columns. Only curbs. Curbs good - 7
Ground	K-1 to N-1		x			7	
Ground	S.6 - 7		x			7	1 bollard
Ground	102 - N to 102 - S		x			7	6 bollards
Ground	A+ - 7 to A+ - 9	x				7	Minor hairline cracking
Ground	C - 7 to C - 9	x	x			5	Spalling at base plates - one post not connected.
Ground	B - 7		x			5	One bollard, bent w/missing bolt. Noted on South Ramp.
Ground	B - 9		x			7	One bollard
Ground	Southeast Stair		x			5	2 bollards and rail-rail is bent w/rusted bases.
Ground	E - 9.5		x			6	2 bollards, one is slightly bent
Ground	E.5 - 9.5		x			7	1 bollard
Ground	G - 9.4 to G - 10		x			6	2 bollards, 1 loose
Ground	H - 9 to H - 10		x			7	2 bollards
Ground	Old Security Office		x			7	4 bollards
Ground	I - 9.8		x			6	Bent rail at security office
Ground	Northeast Stair		x			6	2 bollards, one loose
Ground	S.6 - 9		x			7	1 bollard
Ground	T.5 - 7 to T.5 - 9	x				7	Minor hairline cracking
Ground	U-9 to U-10	x				8	No barriers
Ground	U-10 U-9	x				6	

Inspection Date: 8 / 13 / 2019	Inspector(s): KWK	EAST END (ORIGINAL STRUCTURE)	Overall Veh. Barriers Rating:	6.22

Level	Location	Conc.	Steel	Cable	Wood	Veh. Barr. Rating:	Vehicle Barrier Notes:
Ground	S-6 to R-6	x				8	No Barriers
Ground	O-6 to R-6	x				7	Minor hairline cracking
Ground	J-5 to J-4	x				7	
Ground	P-6 to P-3	x				7	Minor hairline cracking
Ground	P-8 to N-8	x				7	
Ground	O-8 to N-8	x				7	
Ground	K-8 to L-8	x				7	
Ground	G-8 to H-8	x				7	
Ground	L-8 to C-8	x				7	
Ground	A-5 to J-5	x				7	
Ground	C-10 to B-10	x				7	
Ground	New Office		x			5	Steel railing at ramp bent at end from impact
Average Rating	**Ground**					**6.44**	
2nd Level	South ramps	x	x	x		6	Some surface rust on cables, railing paint peeling/rusting. Some spalling at base plates.
2nd Level	C-8 to F.5-8			x		7	
2nd Level	G-8 to O-8			x		6	Minor surface rust on some cables.
2nd Level	O.5-8 to R.6-8			x		6	Minor surface rust on some cables. 2 baseplates hace been replaced.
2nd Level	North ramp	x	x	x		6	Most cables have surface rust
2nd Level	110 to 113		x			7	
2nd Level	A+-6 to J.8-6		x			7	
2nd Level	J-6 to J-1		x			7	
2nd Level	S-6 to S-1		x			8	No Barriers
2nd Level	M-6 to M-3		x			7	
2nd Level	S.6 - 7		x			7	1 bollard
2nd Level	A+ - 7 to A+ - 9	x				6	Hairline cracks
2nd Level	C - 7 to C - 9	x	x			6	Paint peeling on rail, rail rusted
2nd Level	B - 7		x			7	1 bollard
2nd Level	B - 9		x			3	Bollard loose
2nd Level	Southeast Stair		x			6	2 bollards, handrail surface rust & flaking paint
2nd Level	Northeast Stair		x			7	2 bollards
2nd Level	T.5 - 7 to T.5 - 9	x				6	Minor hairline cracks, efflorescence

Inspection Date: 8 / 13 / 2019	Inspector(s): KWK	EAST END (ORIGINAL STRUCTURE)	Overall Veh. Barriers Rating:	6.22

Level	Location	Conc.	Steel	Cable	Wood	Veh. Barr. Rating:	Vehicle Barrier Notes:
2nd Level	R.6 - 7 to R.6 - 9	x	x			6	Railing repoured, surface rust/peeling paint
2nd Level	S.6 - 9		x			7	One bollard
2nd Level							
2nd Level							
2nd Level							
Average Rating	**2nd Level**					**6.32**	
3rd Level	South ramps	x	x	x		6	Minor surface rust on some cables
3rd Level	C-8 to F.5-8			x		6	Minor surface rust on some cables
3rd Level	G-8 to O-8			x		6	Most cables have minor surface rust
3rd Level	O.5-8 to R.6-8			x		6	Most cables have minor surface rust
3rd Level	North ramp	x	x	x		6	All cables have minor surface rust
3rd Level	110 to 113		x			7	Barriers ok.
3rd Level	A+-6 to J.8-6		x			7	Barriers ok.
3rd Level	J-6 to J-1		x			7	Barriers ok.
3rd Level	M-6 to M-3		x			6	Barrier dented at M-6
3rd Level	T.5 - 7 to T.5 - 9	x				7	Minor efflorescence
3rd Level	S - 7 to S - 9	x	x			6	Surface rust on rail.
3rd Level	S.6 - 7		x			3	One bollard - loose
3rd Level	A+ - 7 to A+ - 9	x				6	Efflorescene on precast
3rd Level	C - 7 to C - 9	x	x			6	Paint peeling, rail rusted.
3rd Level	B - 7		x			7	1 bollard
3rd Level	B - 9		x			7	1 bollard
3rd Level	Southeast Stair		x			4	3 bollards - 1 bent, surface rust, guardrail paint peeling
3rd Level	Northeast Stair		x			7	2 bollards
3rd Level	T.5 - 7 to T.5 - 9		x			7	
3rd Level	R.6 - 7 to R.6 - 9	x	x			7	
3rd Level	S.6 - 9		x			7	1 bollard
3rd Level							
3rd Level							
3rd Level							
Average Rating	**3rd Level**					**6.24**	

Inspection Date: 8 / 13 / 2019	Inspector(s): KWK	EAST END (ORIGINAL STRUCTURE)	Overall Veh. Barriers Rating:	6.22

Level	Location	Conc.	Steel	Cable	Wood	Veh. Barr. Rating:	Vehicle Barrier Notes:
4th Level	South ramps	x	x	x		6	Cables have surface rust, some rust on railing.
4th Level	K-8 to F.5-8			x		6	cables have surface rust
4th Level	G-8 to O-8			x		6	cables have surface rust
4th Level	O.5-8 to R.6-8			x		6	cables have surface rust
4th Level	North ramp	x	x	x		6	Cables have surface rust, minor spalling/rust at railing base plates.
4th Level	A+-6 to J.8-6		x			6	Railing ok, some rust/damage at J-6 end.
4th Level	J-6 to J-1		x			7	
4th Level	M-6 to M-3		x			6	Barriers have minor surface rust
4th Level	T.5 - 7 to T.5 - 9	x	x			6	Rail rusting
4th Level	S.6 - 7 to S.6 - 9	x	x			6	Efflorescence coming through at base - no cove sealant.
4th Level	S- 7 to S - 9	x	x			7	
4th Level	110 to 113		x			6	Rail has minor surface rust, rusting at post bases.
4th Level	110 to S - 7.6 to 111		x			6	6 bollards w/surface rust, concrete fill spalling
4th Level	North Stair Interior		x			3	2 bollards, 1 has broken anchor
4th Level	South Stair		x			3	2 bollards, 1 is loose
4th Level	A+ - 7 to A+ - 9	x				7	Minor efflorescence
4th Level	B - 7 to B - 9	x	x			6	Efflorescence at base, no cove sealant
4th Level	C- 7 to C - 9	x	x			6	Efflorescence at base, no cove sealant
4th Level	B - 9		x			7	1 Bollard
4th Level	Southeast Stair		x			5	3 bollards, handrail surface rust and loose base plate
4th Level	Northeast Stair		x			3	2 bollards, 1 loose
4th Level	S.6 - 9		x			7	New bollard in place.
4th Level							
4th Level							
4th Level							
Average Rating	**4th Level**					**5.77**	

Inspection Date: 8 / 13 / 2019	Inspector(s): KWK	EAST END (ORIGINAL STRUCTURE)	Overall Veh. Barriers Rating:	6.22

Level	Location	Conc.	Steel	Cable	Wood	Veh. Barr. Rating:	Vehicle Barrier Notes:
5th Level	South ramps	x	x			6	Railing has minor surface rust, minor spalling at bases.
5th Level	B-9 to F.5-8		x			5	Paint peeling, surface rust on metal rail, areas of minor spalling w/exposed rebar.
5th Level	G-8 to O-8		x			5	Paint peeling, surface rust on metal rail, concrete has some patching at cracks, minor spalling
5th Level	O.5-8 to R.6-8		x			6	Paint peeling, surface rust on metal rails, conc. Has some patching at cracks
5th Level	North ramp	x	x			6	Railing paint peeling, surface rust. Minor spall at post base.
5th Level	Southeast Stair		x			4	2 bollards - one is bent, guardrail is rusted w/one baseplate not attached.
5th Level	C.5 - 9		x			6	One bollard, paint peeling, surface rust
5th Level	South Stair		x			7	2 steel bollards
5th Level	North Stair		x			7	2 steel bollards
5th Level	Northeast Stair		x			7	2 steel bollards
5th Level	R.6 - 8.1		x			7	1 bollard
5th Level	T.7 - 9		x			7	2 steel bollards
5th Level							
5th Level							
5th Level							
Average Rating	**5th Level**					**6.08**	

Inspection Date: 8/13/2019	Inspector(s): KWK	EAST END (ORIGINAL STRUCTURE)	Overall Facade Rating:	**5.33**

Level	Facade Rating:	Facade Notes:
North	5	Spalling w/exposed rebar at some columns and precast panels. Hairline cracks in precast w/some evidence of water infiltration. Water staining on entry columns. Paint peeling on window frames. Signage good. Joint sealants good.
East	6	Some minor spalling with exposed rebar. Curbs and metal fencing has been repaired and painted. New signage.
South	8	
West	5	Some spalling on precast w/exposed rebar. Curbs have been patched and painted. Steel fencing has been cleaned/painted.

5 = minor deterioration, but functioning as originally designed
4 = used to shade between 3 and 5
3 = serious deterioration or not functioning as originally designed
2 = used to shade between 1 and 3
1 = completely deteriorated or in failed condition

Inspection Date: 05 / 25 / 2010	Inspector(s): RSL & JSS	EAST END (ORIGINAL STRUCTURE)	Overall Drainage/ Plumbing Rating:	4.40

Level	Drainage Rating:	Drainage/Plumbing Notes:
1st Level	3	Storm piping/risers typically in good condition; corrosion apparent in certain elbows, couplings, piping and sleeves. These can be seen going from North to South along column lines M (picture #3), I (picture #5), E (picture #8), G (pictures #13, 14 & 15), I (pictures #18 & 19) and K (picture #22). These storm piping issues are found directly down the centerline of the garage (or column line 8). Vent and city water piping ok (rating = 5). All drain covers in good shape.
2nd Level	4	Storm piping/risers typically in good condition; corrosion apparent in certain elbows, couplings, piping and sleeves. These can be seen going from North to South along column lines Q (picture #35), M (pictures #29-33), I (picture #24), E (picture #26), and K (picture #28). These storm piping issues are found directly down the centerline of the garage (or column line 8) other than the hanger/pipe corrosion along column line M - that can be found in the NW bump out of the garage. Vent and city water piping ok (rating = 5). All drain covers in good shape.
3rd Level	5	Storm, city water, and vent piping in good condition on this level (rating = 5). Drain covers in good shape as well.
4th Level	5	Storm, city water, and vent piping in good condition on this level (rating = 5). Drain covers in good shape as well.
5th Level	5	Storm, city water, and vent piping in good condition on this level (rating = 5). Drain covers in good shape as well.

9 = not visible - partially or fully obstructed
8 = not applicable
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4 = used to shade between 3 and 5
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Inspection Date: 05 / 25 / 2010	Inspector(s): RSL & JSS	EAST END (ORIGINAL STRUCTURE)	Overall Mechanical Rating:	**5.00**

Level	Mechanical Rating:	Mechanical Notes:
1st Level	5	Elevator rooms consist of exhaust fans and unit heaters, all of which perform as designed and show minimal signs of wear (rating = 5). Security office has two operating A/C units, grilles for both shows serious wear (picture #23, rating = 3). Backup generator at North end of garage in decent condition, fired once a year (rating = 5). Mechanical room at SE corner of garage (bump out) holds backflow preventor as well as pump for the fire protection system - no issues in this room. A/C units for ticket booths work properaly as well; garage personnel not aware of any further mechanical issues.
2nd Level	8	N/A
3rd Level	8	N/A
4th Level	8	N/A
5th Level	8	N/A

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Inspection Date: 05 / 28 / 2010	Inspector(s): VP	EAST END (ORIGINAL STRUCTURE)	Overall Electrical Rating:	**4.00**

Level	Lighting & Elec. Rating:	Lighting and Electrical Notes:
1st Level	4	In electrical room booth control j-box missing cover (pic 25,27). Abandoned flex conduit shall be removed (column F9, pic 42,43). Exit sign not working (column P10, pict 45). Pull box recommended to repaint (column B8, pic 48)
2nd Level	4	Exit signs not working (column G10, pic 21; column F6, pic 22, column K2, pic 23; column K1, pic 24). Conduit straps shall be fixed (column E7, pic 41).
3rd Level	4	Exit signs not working (column G10, pict 17; column P6, pic 18; column F10). Light fixture broken (column P4, pic 19).
4th Level	4	Exit signs not working (column N6, pict 11; column F10, pic 14; column G10, pic 15; column F6, pic 16). Exit sign broken (column P10, pic 12)
5th Level	4	Exit signs not working (column P10, pict 1; column F10, pic 2; column F6; column F6, pic 7; column K2, pic 8; column G10, pic 10). Lighting pole base receptacle missing cover (column Q8, pic 49)

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Inspection Date: 05 / 25 / 2010	Inspector(s): RSL & JSS	EAST END (ORIGINAL STRUCTURE)	Overall Fire Protection Rating:	5.00

Level	Fire Protection	Fire Protection Notes:
1st Level	5	All fire protection for garage in decent shape. Piping, couplings, valves, sleeves and hangars all show minimal signs of wear. No sprinklers in garage. Overall rating = 5.
2nd Level	5	All fire protection for garage in decent shape. Piping, couplings, valves, sleeves and hangars all show minimal signs of wear. No sprinklers in garage. Overall rating = 5.
3rd Level	5	All fire protection for garage in decent shape. Piping, couplings, valves, sleeves and hangars all show minimal signs of wear. No sprinklers in garage. Overall rating = 5.
4th Level	5	All fire protection for garage in decent shape. Piping, couplings, valves, sleeves and hangars all show minimal signs of wear. No sprinklers in garage. Overall rating = 5.
5th Level	5	All fire protection for garage in decent shape. Piping, couplings, valves, sleeves and hangars all show minimal signs of wear. No sprinklers in garage. Overall rating = 5.

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Inspection Date: 08/13/2019	Inspector(s): KWK	EAST END (ORIGINAL STRUCTURE)	Overall Elevator Enclosure Rating:	5.56

Location	Level	Elev. Encl. Rating:	Elevator Enclosure Notes:
Southeast	1	6	Shaft dry with no indication of water infiltration
Southeast	2	6	Shaft dry with no indication of water infiltration
Southeast	3	6	Shaft dry with no indication of water infiltration
Southeast	4	6	Shaft dry with no indication of water infiltration
Southeast	5	6	Shaft dry with no indication of water infiltration
Average Rating	**Southeast**	**6**	
Northwest	1	5	Steel frame supporting window system has some surface rust indicating moisture has been present. No apparent signs of water infiltration in shaft.
Northwest	2	5	Steel frame supporting window system has some surface rust indicating moisture has been present. No apparent signs of water infiltration in shaft.
Northwest	3	5	Steel frame supporting window system has some surface rust indicating moisture has been present. No apparent signs of water infiltration in shaft.
Northwest	4	5	Steel frame supporting window system has some surface rust indicating moisture has been present. No apparent signs of water infiltration in shaft. Window lite has been replaced.
Northwest			
Northwest			
Northwest			
Northwest			
Northwest			
Northwest			
Average Rating	**Northwest**	**5**	

Inspection Date: 8 / 19 / 2019	Inspector(s): KWK	EAST END (ORIGINAL STRUCTURE)	Overall Signage Rating:	5.20

Level	Signage Rating:	Signage Notes:
1st Level	6	Signage is good - mixture of old and new, non-reflective
2nd Level	6	Signage is good - mixture of old and new, non-reflective
3rd Level	6	Signage is good - mixture of old and new, non-reflective
4th Level	4	Signage is faded/worn. Some new signage. Old signs are difficult to read.
5th Level	4	Signage is faded/worn. Some new signage. Old signs are difficult to read.
		All exit signs are functioning properly. Painted striping is worn but still readable.

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6 = used to shade between 5 and 7
5 = minor deterioration, but functioning as origi
4 = used to shade between 3 and 5
3 = serious deterioration or not f
2 = used to shade between 1 an
1 = completely deteriorated or in

APPENDIX D

ADDITION STRUCTURE – FIELD NOTES

Inspection Date: 7 / 11 / 2019	Inspector(s): ZBR	EAST END ADDITION	Ground	Overall Column Rating:	5.32

STOPPING BARRIER FALLING - PIC #1(2019)

Column Mark:	Column Rating:	Notes
A-10	6	5' HAIRLINE CRACKS, Cracking at jt. Repaired, light efflorescence
B-10	5	10' HAIRLINE CRACKS w/ water stains, cracks & delamination @ CJ patch
C-10	5	20' HAIRLINE CRACKS w/ water stains
D-10	5	15' HAIRLINE CRACKS w/ water stains
E-10	8	DNE
F-10	5	15' HAIRLINE CRACKS w/ water stains
G-10	5	HAIRLINE CRACKS, 4SF delamination @ base, rust stains
H-10	5	20' HAIRLINE CRACKS, 2SF delamination @ base
I-10	5	25' HAIRLINE CRACKS w/ water stains
J-10	5	10' HAIRLINE CRACKS w/ water stains
K-10	4	30' HAIRLINE CRACKS, SPALLING AT BASE, cracks widening
L-10	6	75% visible, HAIRLINE CRACKS, (wide crack at base, some spalling - FIXED)
L-9	6	5' HAIRLINE CRACKS
K-9	4	6' wide cracks, 1 sf delamination, light efflorescence, pic #2(2019)
K-8	5	Corner spalls, rust stains, cracks @ ramp, pic #3(2019)
J-8	5	Hairline cracks w/ light efflorescence
I-8	5	Rusting thru repair
H-8	5	Cracks with rust stains in patch, heavy rust in the patch
G-8	6	HAIRLINE CRACKS, EFFLORESCENCE (Repaired)
F-8	6	OK
E-8	6	HAIRLINE CRACKS
D-8	5	HAIRLINE CRACKS widening, small spall in previous patch
C-8	5	Hairline cracks - Rust in previous patch, full length injection epoxy tubes left in
B-8	5	HAIRLINE CRACKS, cracking col. Into ramp wall, efflorescence, 6" sq. delamination, pic #4(2019)

Column Mark:	Column Rating:	Notes
B-9	6	Hairline cracks
A-9	5	Hairline cracks w/ water stains, 2sf surface Delam. of patch
B-7	6	HAIRLINE CRACKS
A-7	6	HAIRLINE CRACKS, EFFLORESCENCE @ beam
A-5	6	HAIRLINE CRACKS
B-5	6	HAIRLINE CRACKS
C-5	5	10' HAIRLINE CRACKS, Light efflorescence
D-5	5	10' HAIRLINE CRACKS
E-5	6	HAIRLINE CRACKS
F-5	7	OK
G-5	4	SPALLING BETWEEN COLUMN AND WALL @ top, pic #5(2019)
G.7-5	9	IN ELEVATOR ROOM

Column Mark:	Column Rating:	Notes

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Inspection Date: 7 / 11 / 2019	Inspector(s): ZBR	EAST END ADDITION	2nd Level	Overall Column Rating:	5.79

Column Mark:	Column Rating:	Notes
A-10	6	Minor hairline cracks @ CJ
B-10	6	Minor hairline cracks
C-10	6	Minor hairline cracks @ CJ/top
D-10	6	Minor hairline cracks w/ water stains
E-10	6	Minor hairline cracks
F-10	9	ONLY WEST FACE VISABLE
G-10	9	Only 1 face visible, HAIRLINE CRACK @ top
H-10	6	HAIRLINE CRACK @ CJ/top
I-10	5	Hairline cracks w/ efflorescence @ top
J-10	6	Minor hairline cracks @ top
K-10	6	Minor hairline cracks @ CJ
L-10	6	OK
L-9	6	Minor hairline cracks w/ water stains
K-9	5	HAIRLINE CRACK @ CJ, 1SF delamination @ edge
K-8	6	Hairline crack
J-8	6	REPAIRED IN 2010-2011, OK
I-8	6	Minor hairline cracks, joint crack, water stains
H-8	5	Minor hairline cracks, wide cracks @ CJ
G-8	5	HAIRLINE CRACK @ CJ
F-8	6	OK
E-8	6	Minor hairline cracks, rust stains
D-8	6	CRACK w/ water stains, 1SF delamination @ patch
C-8	6	2 sf Surface delamination at P/T caps, JOINT CRACK
B-8	6	HAIRLINE CRACK

Column Mark:	Column Rating:	Notes
B-9	6	Minor hairline cracks @ CJ/vertical
A-9	6	Minor hairline cracks
A-7	6	Minor hairline cracks @ CJ
B-7	6	Minor hairline cracks @ CJ
K-7	5	HAIRLINE CRACK, 2SF spall at bottom corner
L-7	4	HAIRLINE CRACK, 4 lf open crack at bottom corner, 4SF delamination @ top, pic #6(2019)
L-6	5	Spall/efflorescence @ beam
K-6	6	REPAIRED IN 2010-2011, OK
J-6	6	OK
I-6	6	Hairline cracks
G.9-6	6	OK
G-6	6	Concrete spalling at bottom, 1 sf at joint
F-6	6	OK
E-6	6	Minor hairline cracks
D-6	6	Minor hairline cracks
C-6	6	Minor hairline cracks
B-6	6	Minor hairline cracks
A-6	6	Minor hairline cracks
L-5	6	Minor hairline cracks
L-4	6	HAIRLINE CRACK, (SPALL AT BASE - fixed)
L-3	6	JOINT CRACK
L-2	6	JOINT CRACK
K.9-1	9	Hairline cracking & JT. Cracking, water stains @ deck interface
K.1-1	9	Joint crack

Column Mark:	Column Rating:	Notes
J.2-1	6	OK
I.6-1	6	Hairline cracks
H.6-1	6	OK, minor rust stains
G.9-1	6	OK
G-1	9	IN STORAGE ROOM
I.6-5	5	Hairline cracks, rust stains
I.6-4	5	HAIRLINE CRACK in CJ, exposed ties, corner spalls
I.6-3	5	Water stains, efflorescence, 1 cap spall, top cable no tension, 2SF patch spall, pic #7(2019)
I.6-2	6	OK
G-2	5	Hairline cracks @ top, 4SF patch spall @ bottom
G-3	6	Hairline cracks
G-4	6	Hairline cracks
G-5	6	Hairline cracks

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5 = minor deterioration, but functioning as originally designed
4 = used to shade between 3 and 5

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2 = used to shade between 1 and 3
1 = completely deteriorated or in failed condition

Inspection Date: 7 / 12 / 2019	Inspector(s): ZBR	EAST END ADDITION	3rd Level	Overall Column Rating:	5.83

Column Mark:	Column Rating:	Notes
A-10	6	Hairline cracks @ CJ
B-10	6	Hairline cracks @ top
C-10	6	Hairline cracks @ CJ/top
D-10	5	10' Hairline cracks w/ water stains
E-10	6	Minor hairline cracks
F-10	9	ONLY WEST FACE VISIBLE, OK
G-10	9	Only 1 face visible, HAIRLINE CRACKS @ top
H-10	6	Minor hairline cracks
I-10	5	10' Hairline cracks @ CJ/top
J-10	6	Hairline cracks @ top
K-10	6	Hairline cracks @ CJ/top
L-10	6	Minor hairline cracks
L-9	6	Minor hairline cracks
K-9	6	Hairline cracks, possible 1SF delamination
K-8	5	Hairline cracks, cracking and popping @ cable railing caps
J-8	5	Hairline cracks w/ water stains, small spalls
I-8	5	HAIRLINE CRACKS w/ water stains, Deep crack at col. Jt., 6" surface spalling
H-8	6	HAIRLINE CRACKS w/ water stains, 6" surface delamination
G-8	6	Minor hairline cracks
F-8	6	OK
E-8	6	Minor hairline cracks, previous repair looks ok, gap between beam and column, pic #8(2019)
D-8	6	Minor hairline cracks, light efflorescence
C-8	5	Minor hairline cracks, efflorescence, rust stains
B-8	6	Minor hairline cracks

9 = not visible - partially or fully obstructed
8 = not applicable
7 = new condition, no deterioration, functioning as originally designed

Red column mark = Inside private garage

Column Mark:	Column Rating:	Notes
B-9	6	HAIRLINE CRACKS @ CJ/top
A-9	6	Minor hairline cracks, Previous repair looks ok
A-7	5	20' Hairline cracks
B-7	6	OK
K-7	5	HAIRLINE CRACKS @ bottom, EFFLORESENCE, 1SF corner spall
L-7	6	Minor hairline cracks
L-6	6	Minor hairline cracks
K-6	6	OK
J-6	6	OK
I-6	7	OK
G.9-6	5	1' Wide cracks
G-6	6	Minor hairline cracks
F-6	6	OK
E-6	6	OK
D-6	6	Minor hairline cracks
C-6	6	Minor hairline cracks
B-6	6	Minor hairline cracks
A-6	6	Minor hairline cracks
L-5	7	OK
L-4	6	HAIRLINE CRACKS, WATER PENETRATION
L-3	6	HAIRLINE CRACKS, WATER PENETRATION
L-2	6	HAIRLINE CRACKS, WATER PENETRATION, EFFLORESCENCE
K.9-1	6	HAIRLINE CRACKS
K.1-1	9	HAIRLINE CRACKS

6 = used to shade between 5 and 7
5 = minor deterioration, but functioning as originally designed
4 = used to shade between 3 and 5

Red column mark = Inside private garage

Column Mark:	Column Rating:	Notes
J.2-1	6	Cracks/delamination @ CJ
I.6-1	6	Cracks @ CJ patch
H.6-1	7	OK
G.9-1	6	Cracks @ CJ patch
G-1	6	Hairlin cracks, minor rust stains
I.6-5	5	Hairline cracks, water penetration, railing p/t caps spalling
I.6-4	4	Hairline cracks, water penetration, minor rust stains, efflorescence @ bottom, 1SF delamination @ patch
I.6-3	5	Hairline cracks, water penetration, efflorescence/cracks @ p/t (rail)
I.6-2	5	Small spalls @ CJ
G-2	6	Hairline cracks, water penetration
G-3	6	Hairline cracks, water penetration, minor rust stains, bubbling @ patch @ CJ
G-4	6	Hairline cracks, minor rust stains
G-5	7	OK

3 = serious deterioration or not functioning as originally designed
2 = used to shade between 1 and 3
1 = completely deteriorated or in failed condition

Inspection Date: 7 / 12 / 2019	Inspector(s): ZBR	EAST END ADDITION	4th Level	Overall Column Rating:	5.86

Column Mark:	Column Rating:	Notes
A-10	5	25' Hairline cracks
B-10	6	Hairline cracks @ CJ/top
C-10	6	Minor hairline cracks @ top
D-10	6	Minor hairline cracks @ top
E-10	6	Minor hairline cracks
F-10	9	One side visible, OK
G-10	9	Hairline cracks, Other side visible
H-10	6	Minor hairline cracks
I-10	6	Hairline cracks @ CJ/top
J-10	6	Minor hairline cracks
K-10	6	Minor hairline cracks
L-10	6	Hairline cracks, 6" spall @ top
L-9	5	Hairline cracks w/ light efflorescence
K-9	6	Minor hairline cracks
K-8	6	Minor hairline cracks
J-8	5	Hairline cracks, w/ water stains
I-8	5	Hairline cracks w/ water stains, 3" exposed bar with no cover, rust stains @ bottom
H-8	6	Minor hairline cracks
G-8	6	Minor hairline cracks, minor rust stains
F-8	6	Minor hairline cracks
E-8	6	Hairline cracks, rust stains
D-8	5	Hairline cracks @ patch
C-8	5	Hairline cracks w/ water stains, rust stains
B-8	6	Minor hairline cracks

9 = not visible - partially or fully obstructed
8 = not applicable
7 = new condition, no deterioration, functioning as originally designed

Red column mark = Inside private garage

Column Mark:	Column Rating:	Notes
B-9	6	Hairline cracks @ bottom, concrete spall (4") @ top
A-9	6	Minor hairline cracks
A-7	5	Hairline cracks @ CJ/horizontal, efflorescence @ bottom/beam
B-7	5	Hairline cracks @ CJ, efflorescence at deck/column
K-7	6	Minor hairline cracks
L-7	6	Minor hairline cracks, rust stains
L-6	6	Minor hairline cracks
K-6	6	Hairline cracks
J-6	6	Hairline cracks, rust stains @ CJ
I-6	6	Hairline cracks, 4SF delamination @ top
G.9-6	6	Minor hairline cracks
G-6	6	Minor hairline cracks
F-6	7	OK
E-6	6	Minor hairline cracks
D-6	6	Minor hairline cracks
C-6	6	Hairline cracks @ CJ/top
B-6	6	Hairline cracks @ CJ/horizontal
A-6	5	20' Hairline cracks, efflorescence in cracks
L-5	7	OK
L-4	6	Light efflorescence, hairline cracks, water penetration
L-3	6	Minor hairline cracks
L-2	5	Hairline cracks w/ efflorescence
K.9-1	7	OK
K.1-1	9	Hairline cracks w/ water stains, partially blocked

6 = used to shade between 5 and 7
5 = minor deterioration, but functioning as originally designed
4 = used to shade between 3 and 5

Red column mark = Inside private garage

Column Mark:	Column Rating:	Notes
J.2-1	6	Hairline cracks
I.6-1	6	Hairline cracks, minor rust stains
H.6-1	6	Hairline cracks, cracks @ patch
G.9-1	7	OK
G-1	6	Minor hairline cracks
I.6-5	5	Hairline cracks w/ water stains, rust @ rail p/t caps
I.6-4	6	Minor hairline cracks, water penetration
I.6-3	5	Hairline cracks, efflorescence @ p/t caps (rail)
I.6-2	7	OK
G-2	6	Minor hairline cracks, minor rust stains
G-3	6	Hairline cracks, water stains, light efflorescence
G-4	5	Hairline cracks @ top, light efflorescence, 1SF delamination @ outside
G-5	6	1SF delamination

3 = serious deterioration or not functioning as originally designed
2 = used to shade between 1 and 3
1 = completely deteriorated or in failed condition

Inspection Date: 7 / 12 / 2019	Inspector(s): ZBR	EAST END ADDITION	5th Level	Overall Column Rating:	5.53

Column Mark:	Column Rating:	Notes
A-10	6	Hairline cracks, weathered
B-10	5	15' Hairline cracks w/ water stains
C-10	5	Hairline cracks @ top, light efflorescence
D-10	6	Hairline cracks @ top
E-10	5	Hairline cracks, heavy efflorescence @ top
F-10	6	Hairline cracks, water stains
G-10	6	Hairline cracks w/ water stains, small spalls @ bottom (org. construction)
H-10	5	15' Hairline cracks @ top
I-10	6	20' Hairline cracks, small spalls @ bottom (org. construction)
J-10	5	20' Hairline cracks w/ efflorescence
K-10	5	10' Hairline cracks w/ efflorescence
L-10	6	Hairline cracks
L-9	5	Hairline cracks, moss, efflorescence
K-9	6	Hairline cracks, moss, water stains, cracks @ CJ
K-8	5	Hairline cracks, water stains/cracks @ p/t caps (rail)
J-8	5	20' Hairline cracks
I-8	5	20' Cracks, efflorescence, 2SF delamination in patch, pic #9(2019)
H-8	5	20' Hairline cracks, efflorescence, 6" spall @ CJ
G-8	5	20' Cracks, 6" spall @ CJ, pic #10(2019)
F-8	5	Hairline cracks, heavy efflorescence/cracks @ p/t caps (rail), 2SF delamination,
E-8	5	Hairline cracks, efflorescence, 1SF spall
D-8	5	Hairline cracks, heavy efflorescence, small spalls @ p/t caps, wide cracks in patch
C-8	5	Cracks, heavy efflorescence, cracks in patch
B-8	5	Hairline cracks, rust stains, 2SF delamination

Column Mark:	Column Rating:	Notes
B-9	5	Hairline cracks in patch, light efflorescence
A-9	5	Hairline cracks, widening,
A-7	6	Hairline cracks, weathered, moss
B-7	5	Hairline cracks, cracks @ north face joint, 2lf wide crack, pic #11(2019)
K-7	5	Hairline cracks, efflorescence
L-7	6	Hairline cracks, light efflorescence
L-6	6	Minor hairline cracks
K-6	6	Minor hairline cracks
J-6	6	Minor hairline cracks
I-6	5	Hairline cracks, holes/cracks @ patch, 1SF corner delamination @ bottom
G.9-6	6	Hairline cracks @ top, water stains
G-6	6	Hairline cracks @ top
F-6	5	Hairline cracks, 2SF surface delamination @ patch
E-6	5	HAIRLINE CRACKS, 2 lf open CRACK NORTH FACE
D-6	5	Hairline cracks, top edge spalling
C-6	6	Hairline cracks, rust stains from light post, weathered
B-6	6	Hairline cracks, weathered w/ moss
A-6	6	Hairline cracks, weathered w/ moss
L-5	6	Minor hairline cracks @ top
L-4	6	Minor hairline cracks
L-3	6	Minor hairline cracks @ top
L-2	6	Hairline cracks, 4SF spall
K.9-1	6	OK
K.1-1	9	HAIRLINE CRACKS, NORTH FACE ONLY VISIBLE, PATCH LOOKS OK

Column Mark:	Column Rating:	Notes
J.2-1	6	Minor hairline cracks
I.6-1	6	HAIRLINE CRACKS, CRACK SOUTH FACE
H.6-1	6	Hairline cracks, light efflorescence
G.9-1	5	Hairline cracks, light efflorescence, crack all the way around
G-1	5	Hairline cracks w/ water stains
I.6-5	5	Hairline cracks, efflorescence, cracks @ p/t caps (rail)
I.6-4	6	Hairline cracks @ CJ
I.6-3	7	OK
I.6-2	6	Hairline cracks @ CJ
G-2	6	Hairline cracks
G-3	6	Hairline cracks
G-4	5	Hairline cracks, diagonal wide cracks both sides
G-5	6	Minor hairline cracks

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4 = used to shade between 3 and 5

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1 = completely deteriorated or in failed condition

Inspection Date: 7 / 12 / 2019	Inspector(s): ZBR	EAST END ADDITION	6th Level	Overall Column Rating:	**5.68**

Column Mark:	Column Rating:	Notes
A-10	6	Weathered w/ moss
B-10	8	NOT COLUMN, PRECAST ANCHOR
C-10	8	NOT COLUMN, PRECAST ANCHOR
D-10	8	NOT COLUMN, PRECAST ANCHOR
E-10	8	NOT COLUMN, PRECAST ANCHOR
F-10	6	POOR CONSOLIDATION TOP OF COLUMN
G-10	6	Weathered w/ moss, hairline cracks
H-10	8	NOT COLUMN, PRECAST ANCHOR
I-10	8	NOT COLUMN, PRECAST ANCHOR
J-10	8	NOT COLUMN, PRECAST ANCHOR
K-10	8	NOT COLUMN, PRECAST ANCHOR
L-10	6	Weathered w/ moss
L-9	6	Weathered w/ moss
K-9	6	Hairline cracks, weathered w/ moss
K-8	5	Hairline cracks, heavy efflorescence
J-8	4	Hairline cracks, efflorescence, 6" spall, crack w/ rust, pic #14(2019)
I-8	4	Cracks, spalling 1SF, patch for p/t delaminating, pic #15(2019)
H-8	5	Cracks, water penetration, pic #16(2019)
G-8	6	Hairline cracks
F-8	4	Hairline cracks, heavy efflorescence at P/T caps & at 20 lf of hairline cracks, pic #12(2019)
E-8	5	Hairline cracks, cracks and water penetration @ p/t caps
D-8	6	Hairline cracks
C-8	6	Hairline cracks
B-8	6	Hairline cracks

Column Mark:	Column Rating:	Notes
B-9	6	Hairline cracks
A-9	5	Hairline cracks, 3" sq. minor spall at wall, 4lf hairline/open crack
A-7	8	DNE
B-7	8	DNE
K-7	6	Hairline cracks, weathered w/ moss
L-7	6	Hairline cracks, weathered w/ moss
L-6	6	Hairline cracks, weathered w/ moss
K-6	8	DNE
J-6	8	DNE
I-6	8	DNE
G.9-6	8	DNE
G-6	6	Hairline cracks, weathered
F-6	6	Hairline cracks, light efflorescence
E-6	6	Hairline cracks, light efflorescence, weathered
D-6	8	DNE
C-6	8	DNE
B-6	8	DNE
A-6	8	DNE
L-5	6	Hairline cracks, weathered
L-4	6	Hairline cracks, weathered
L-3	6	Weathered
L-2	6	Hairline cracks, weathered, spalls @ top
K.9-1	6	OK
K.1-1	9	Hairline cracks, small 6" sq. surface spall, only 1 face visible

Column Mark:	Column Rating:	Notes
J.2-1	8	NOT COLUMN, PRECAST ANCHOR
I.6-1	6	Hairline cracks, water penetration, minor rust stains, weathered
H.6-1	8	NOT COLUMN, PRECAST ANCHOR
G.9-1	8	NOT COLUMN, PRECAST ANCHOR
G-1	6	Hairline cracks, weathered
I.6-5	5	Hairline cracks, water penetration, small spall, standing water, weathered, efflorescence, cracks @ p/t caps (rail)
I.6-4	6	Hairline cracks, standing water, patch delamination, efflorescence, weathered, pic #17(2019)
I.6-3	5	Hairline cracks, 8 lf efflorescence at p/t caps, weathered, pic #18(2019)
I.6-2	8	DNE
G-2	6	Hairline cracks, water penetration, light efflorescence, weathered
G-3	6	Hairline cracks, weathered, 6" scale @ top
G-4	6	Hairline cracks, water penetration, weathered
G-5	6	Hairline cracks, light efflorescence, weathered

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Inspection Date: 7 / 15 / 2019	Inspector(s): JCH	EAST END ADDITION	2nd Level	Overall Beam Rating:	5.76

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
A-9	A-10	6	Water stains from joint above, efflorescense, hairline cracks, small surface imperfections
B-9	B-10	5	Hairline cracks, 3-sided cracks near midspan, rust staining on north and south face near B-9 (Image: Beam_2019-134 to 135)
C-8	C-10	5	Hairline cracks, heavy efflorescence, corrosion beginning, small 6" spall, previous patch (Image: Beam_2019-137 to 139)
D-8	D-10	4	Hairline cracks, corrosions, spalling @ P/T caps, possible 1 s.f. delamination (Image: Beam_2019-140)
E-8	E-9.8 GN	7	
F-8	F-10	6	Hairline cracks
G-8	G-10	6	Hairline cracks, water stains from deck along north face
H-8	H-10	7	Hairline cracks
I-8	I-10	6	Efflorescence, Hairline cracks
J-8	J-10	6	Hairline cracks
K-8	K-9	6	Hairline cracks, efflorescence, water stains from deck above
K-9	K-10	5	Water stains from joint above, efflorescence, small surface spalls on bottom face, hairline cracks/widening cracks
L-9	L-10	6	Hairline cracks
A-6	A-7	5	Hairline cracks, water stains from joint above, widening cracks, possible 1 s.f. delamination, rust staining (Image: Beam_2019-142)
B-6	B-7	5	Hairline cracks, 3-sided widening cracks
C-6	C-8	6	Hairline cracks @ mid-span
D.2-6	D-8	6	Hairline cracks, scaling bottom face near D-8
E-6	E-8	6	Hairline cracks, widening cracks (Image: Beam_2019-144)
F-6	F-8	5	Hairline cracks, 2 s.f. delamination @ F-8, eff. @ mid-span near deck, cracking at pipe opening (Img: Beam_2019-145 to 146)
G-6	G-8	6	Hairline cracks, waterstaining with light efflorescence
H-6	H-8	8	
B-9	B-8	6	Hairline cracks, 3-sided crack at mid-span
A-10	B-10	6	Hairline cracks (Outside face covered by precast)
B-10	C-10	6	Hairline cracks (Outside face covered by precast)

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
C-10	D-10	6	Hairline cracks (Outside face covered by precast)
D-9.8 G	F-9.8 G	5	End grout pocket deterioration, efflorescence, possible 1 s.f. delamination above lights, rust stains (Image: Beam_2019-141)
G-9.6 G	F-9.6 G	6	Hairline cracks
G-10	H-10	6	
H-10	I-10	6	Hairline cracks (Outside face covered by precast)
I-10	J-10	6	Hairline cracks, light efflorescence(Outside face covered by precast)
J-10	K-10	6	Hairline cracks (Outside face covered by precast)
K-10	L-10	5	Hairline cracks, widening crack near L-10, rust staining (Outside face covered by precast)
F-6	E-6	6	Hairline cracks
D.2-6	C-6	6	Water stains and efflorescence from pipe penetration, hairline cracks (Image: Beam_2019-143)

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4 = used to shade between 3 and 5
3 = serious deterioration or not functioning as originally designed
2 = used to shade between 1 and 3
1 = completely deteriorated or in failed condition

Inspection Date: 7 / 16 / 2019	Inspector(s): JCH	EAST END ADDITION	3rd Level	Overall Beam Rating:	5.96

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
A-7	A-9	5	Hairline cracks, water stains, 1 s.f. delamination @ A-7 (Image: Beam_2019-147)
A-9	A-10	6	Waterstaining
B-7	B-8	6	Hairline cracks
B-8	B-9	6	Hairline cracks, water staining
B-9	B-10	6	Hairline cracks
C-8	C-10	6	Hairline cracks
D-8	D-10	6	Hairline cracks
E-8	E-10	6	Hairline cracks
F-8	F-10	6	Hairline cracks
G-8	G-10	6	Hairline cracks, Water staining N. Face, surface imperfections
H-8	H-10	6	Hairline cracks, Old patch near H-10 along S. Bot edge
I-8	I-10	6	Hairline cracks
J-8	J-10	6	Hairline cracks
K-8	K-9	6	3" sq. delamination with rust stains, water stains (Image: Beam_2019-148)
K-9	K-10	6	Hairline cracks, water stains
L-9	L-10	6	Efflorescence at deck/beam, hairline cracks
A-6	A-7	6	Hairline cracks, water stains from joint above
B-6	B-7	6	Hairline cracks
C-6	C-8	6	Hairline cracks
D.2-6	D-8	6	Hairline cracks, Possible grease stain - 3" long (Image: Beam_2019-149)
E-6	E-8	6	Hairline cracks
F-6	F-8	6	Repaired in 2010-2011, large crack at mid-span, hairline cracks
G-6	G-8	6	HairIne cracks
H-6 GN	H-8	6	Hairline cracks

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
I-6	I-8	6	Hairline cracks
J-6	J-8	6	Hairline cracks
K-6	K-7	6	Hairline cracks
K-7	K-8	6	Hairline cracks
L-6	L-7	6	Hairline cracks
L-7	L-9	6	Hairline cracks
L-5	I.6-5	6	Hairline cracks, staining from expansion joint
L-4	I.6-4	6	Hairline cracks
L-3	I.6-3	6	Hairline cracks
L-2	I.6-2	6	Small surface edge spalls, hairline cracks
K.1-1	J.2-1	5	Partially obstructed due to precast, hairline cracks, widening cracks @ K.1-1
J.2-1	I.6-1	6	Hairline cracks
I.6-1	H.6-1	6	Hairline cracks
H.6-1	G.9-1	6	Hairline cracks
G.9-1	G-1	9	In storage room
G-2	I.6-2	6	Hairline cracks, 3-sided crack @ pipe opening
G-3	I.6-3	6	Hairline cracks, surface imperfections
G-4	I.6-4	6	Hairline cracks, water staining
G-5	I.6-5	6	Hairline cracks, East Face of beam obstructed by beam
K.9-1	K.9-2	6	Hairline cracks
L-1.7	K.1-1.7	6	Hairline cracks
K.1-1	K.1-2	6	Hairline cracks, water penetrations/stains
K.3-1	K.3-2	6	Hairline cracks

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3 = serious deterioration or not functioning as originally designed
2 = used to shade between 1 and 3
1 = completely deteriorated or in failed condition

Inspection Date: 7 / 16 / 2019	Inspector(s): JCH	EAST END ADDITION	4th Level	Overall Beam Rating:	6.09

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
A-7	A-9	5	Hairline cracks, efflorescence, rust stains
A-9	A-10	5	Hairline cracks, water stains from joint above, crack at rust, rust at mid-span (bot.)
B-7	B-8	6	Hairline cracks
B-8	B-9	6	Hairline cracks
B-9	B-10	5	Hairline cracks, cracking every 4' +/- each end, 3-sided cracks
C-8	C-10	6	Hairline cracks
D-8	D-10	6	Hairline cracks
E-8	E-10	6	Hairline cracks
F-8	F-10	6	Hairline cracks
G-8	G-10	6	Hairline cracks, waterstaining @ G-8 N. Face
H-8	H-10	7	
I-8	I-10	7	
J-8	J-10	6	Hairline cracks
K-8	K-9	7	
K-9	K-10	6	Hairline cracks, cracking 3 sides mid-span
L-9	L-10	6	Hairline cracks, water stains
A-6	A-7	5	3-sided hairline cracks, water stains from joint above, efflorescence @ A 7/ S. Face, N-Face diagonal crack
B-6	B-7	6	Efflorescence on N. Face near B-6, Hairline cracks, 3-sided cracks
C-6	C-8	6	Hairline cracks, surface imperfections
D.2-6	D-8	6	Hairline cracks, staining/efflorescence (Image: Beam_2019-151)
E-6	E-8	6	Cracking/6" sq. delamination on patch, hairline cracks (Image: Beam_2019-150)
F-6	F-8	6	water staining/light efflorescence around pipe opening, Hairline cracking
G-6	G-8	6	Light rust staining, Hairline cracks, water staining from deck
H-6 GN	H-8	7	Water staining from deck

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
I-6	I-8	6	Hairline cracks
I-6	G.8-6 G	6	Hairline cracks
J-6	J-8	6	Water staining
K-6	K-7	6	Hairline cracks, light efflorescence
K-7	K-8	6	Hairline cracks
L-6	L-7	6	Hairline cracks
L-7	L-9	6	Hairline cracks
L-5	I.6-6	7	
L-4	I.6-4	6	Hairline cracks visible @ 1/3 point locations, small spalls and rust stains
L-3	I.6-3	6	Hairline cracks, rust stain from PT chair
L-2	I.6-2	6	Hairline cracks
K.1-1	J.2-1	6	4 sf delamination on patch, hairline cracks
J.2-1	I.6-1	7	
I.6-1	H.6-1	7	
H.6-1	G.9-1	7	
G.9-1	G-1	6	Hairline cracks
G-2	I.6-2	6	Hairline cracks, crack at 1/3 pts, water penetration, light efflorescence, rust stain from PT chair
G-3	I.6-3	5	Hairline cracks, water penetration, 6" light grease at crack mid-span on bot face
G-4	I.6-4	6	Hairline cracks, rust stains
G-5	I.6-5	7	
L-1.7	L-1	6	Hairline cracks, partially obstructed by stairs
L-1.7	K.1-1.7	6	Minor hairline cracks
K.1-1	K.1-2	6	Minor hairline cracks

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Inspection Date: 7 / 16 / 2019	Inspector(s): JCH	EAST END ADDITION	5th Level	Overall Beam Rating:	6.06

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
A-7	A-9	6	Hairline cracks, water stains, efflorescence
A-9	A-10	6	Water stains from joint above
B-7	B-8	7	
B-8	B-9	6	Hairline cracks, efflorescence at beam/deck, 6" square delam @ B-8, surface imperfections (Image: Beam_2019-152-153)
B-9	B-10	6	Hairline cracks, 3-sided cracks near midspan
C-8	C-10	6	Hairline cracks, 3-sided hairline cracks
D-8	D-10	6	Hairline cracks
E-8	E-10	6	Hairline cracks, small horizontal crack @ midspan, 3-sided hairline cracks (Image: Beam_2019-154)
F-8	F-10	6	Hairline cracks
G-8	G-10	6	Hairline cracks, scaling/staining @ G-8 (Image: Beam_2019-155)
H-8	H-10	6	Hairline cracks
I-8	I-10	6	Hairline cracks, pitting @ beam/deck connection (Image: Beam_2019-156)
J-8	J-10	6	Hairline cracks
K-8	K-9	5	Horiz. Cracking @ bottom face, hairline cracks, 3-sided cracks near K-8, Rust stain/small delamination @ K-8 bot. face
K-9	K-10	6	Minor hairline cracks
L-9	L-10	6	Hairline cracks, efflorescence, rust stains
A-6	A-7	5	100' hairline cracks, wide crack, efflorescence, rust stains
B-6	B-7	6	Hairline cracks @ conduit
C-6	C-8	6	Hairline cracks
D.2-6	D-8	6	Hairline cracks, spalling - fixed, rust stain
E-6	E-8	6	Patch delamination @ 8-line
F-6	F-8	7	
G-6	G-8	6	Hairline cracks
H-6 GN	H-8	7	

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
I-6	I-8	6	Hairline cracks
I-6	G.8-6 G	6	Hairline cracks
J-6	J-8	7	
K-6	K-7	6	Hairline cracks
K-7	K-8	6	Hairline cracks
L-6	L-7	6	
L-7	L-9	6	Hairline cracks, light efflorescence
L-5	I.6-6	6	Water stains from joint above
L-4	I.6-4	6	Hairline cracks
L-3	I.6-3	6	Hairline cracks
L-2	I.6-2	6	Hairline cracks, water stains
K.1-1	J.2-1	6	Hairline cracks, water stains
J.2-1	I.6-1	6	Hairline cracks
I.6-1	H.6-1	6	Hairline cracks
H.6-1	G.9-1	6	Hairline cracks
G.9-1	G-1	6	Hairline cracks, minor rust stains
G-2	I.6-2	6	Hairline cracks, water stains
G-3	I.6-3	6	Hairline cracks, crack widening @ 1/3 point, water stains
G-4	I.6-4	6	Hairline cracks, visible chair legs, minor rust stain
G-5	I.6-5	6	Water stains from joint above
K.9-1	L-2	7	Majority obstructed by stairs, visible portions are good
L-1.7	K.1-1.7	6	Hairline cracks
K.1-1	K.1-2	6	Hairline cracks, efflorescence

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Inspection Date: 7/ 16 / 2019	Inspector(s): JCH	EAST END ADDITION	6th Level	Overall Beam Rating:	5.84

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
A-9	A-10	6	Hairline cracks, efflorescence
B-9	B-10	6	Hairline cracks, 3-sided cracks, surface imperfections
B-8	B-9	5	Hairline cracks, efflorescence at deck/beam, 3-sided crack at midspan
A-7	A-9	5	Hairline cracks, efflorescence, 3-sided cracks and rust staining
C-8	C-10	6	Hairline cracks
D-8	D-10	6	Hairline cracks
E-8	E-10	6	Hairline cracks, 6" efflorescence at deck/beam, rust staining - bot face near E-8 (Image: Beam_2019-157 to 158)
F-8	F-10	6	Hairline cracks, efflorescence, 3" sq. delamination (Image: Beam_2019-159)
G-8	G-10	6	Hairline cracks
H-8	H-10	6	Hairline cracks, efflorescence from deck/beam connection
I-8	I-10	7	
J-8	J-10	6	Hairline cracks
K-8	K-10	6	Hairline cracks
L-8	L-9	6	Hairline cracks
L-9	K-9	5	Hairline cracks, efflorescence, surface imperfections, water stains/rusting
E-6	E-8	6	Hairline cracks, efflorescence, rust staining
F-6	F-8	6	Hairline cracks
G-6	G-8	5	Hairline cracks, 1 LF hairline crack with greast on bot, delam on patch - bottom face near G-8 (Image: Beam_2019-160 to 161)
H-6 GN	H-8	6	Hairline cracks
I-6	I-8	6	Hairline cracks
I-6 G	H-6 G	6	Hairline cracks
J-6	J-8	6	Hairline cracks
K-6	K-7	6	Hairline cracks, 3-sided cracks throughout
K-7	K-8	6	Hairline cracks

Beam Start Column:	Beam End Column:	Beam Rating:	Notes
L-9	L-7	5	Hairline cracks, efflorescence, rust staining along bottom face (Image: Beam_2019-162 to 163)
L-7	L-6	6	Hairline cracks
L-5	I.6-5	6	Hairline cracks, water stains from joint above
L-3	I.6-3	6	Hairline cracks
L-2	I.6-2	6	3-sided cracks, hairline cracks, old patch
K.1-1	J.2-1	6	Hairline cracks
J.2-1	I.6-1	6	Hairline cracks
I.6-1	H.6-1	6	Hairline cracks
H.6-1	G.9-1	6	3-sided cracks, Hairline cracks
G,9-1	G-1	6	3-sided cracks, Hairline cracks
G-2	I.6-2	6	Hairline cracks
G-3	I.6-3	5	Hairline cracks, 8 lf efflorescence both sides of beam at deck (Image: Beam_2019-164 to 165)
G-4	I.6-4	5	Hairline cracks, grease stain @ beam/deck near I.6-4 (Image: Beam_2019-166)
G-5	I.6-5	6	Hairline cracks, 75% of E. Face obstructed
K.9-1	L-2	5	Water stains from joint above, efflorescence, diagonal cracking (Image: Beam_2019-167)
K.9-1.7	K.1-1.7	6	Hairline cracks
K.1-1	K.1-2	6	Hairline cracks, 3-sided hairline cracks
L-10	L-9	6	Hairline cracks
I.6-4	L-4	6	Hairline cracks

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Inspection Date: 7 / 12 / 2019	Inspector(s): ZBR	EAST END ADDITION	2nd Level	Overall Deck Rating:	4.95

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
A-10	A-9	B-10	B-9	4	15' HAIRLINE CRACK, EFFLORESCENCE AND RUST STAINS, (3)-1 SF DELAMINATIONS AT CRACK	Minor spall, hairline cracks, map cracking, 16 SF cracks sealed
B-10	B-8	C-10	C-8	4	50' Hairline cracks, heavy efflorescence, rust stains	60' Cracks sealed
A-9	A-8	B-9	B-8	4	100' Hairline cracks, heavy efflorescence, rust stains	NEWER WATERPROOFING
C-10	C-8	D-10	D-8	5	25' HAIRLINE CRACK, EFFLORESCENCE & RUST STAINS AT DECK/BEAM	OK
D-10	D-8	E-10	E-8	4	45' HAIRLINE CRACK PARALLEL TO BEAM 'D', EFFLORESCENCE, RUST STAINS & 3' GREASE, 1sf DELAM., 20 LF HAIRLINE CRACKS AT OVERHANG	1 sf SURFACE SPALL
E-10	E-8	F-10	F-8	6	30 LF HAIRLINE CRACKS WITH WATER STAINS	OK
F-9.8	F-9.6	G-9.8	G-9.6	6	Not visible	OK
F-9.6	F-8	G-9.6	G-8	3	HEAVY WATER STAINS & RUST STAINS AT CLOSURE POUR, 18' HAIRLINE CRACK, EFFLORESCENCE, 10 SF DELAMINATIONS AT CLOSURE POUR	Crack sealed @ G-8, waterproofing strip
G-10	G-8	H-10	H-8	4	120' HAIRLINE CRACK, HEAVY EFFLORESCENCE, RUST STAINS, 4sf DELAM.	HAIRLINE CRACK w/SPALLING, 50 LF HAIRLINE / MAP CRACKS
H-10	H-8	I-10	I-8	4	40' HAIRLINE CRACK, EFFLORESCENCE, RUST STAINS, 1 SF DELAMINATION AT CONDUIT	OK
I-10	I-8	J-10	J-8	6	25' HAIRLINE CRACK, EFFLORESCENCE, RUST STAINS	38 LF +/- HAIRLINE CRACK
J-10	J-8	K-10	K-8	5	5' HAIRLINE CRACK, EFFLORESCENCE AT DRAIN	6 LF Hairline cracks, spalling w. standing water, drain clogged
K-10	K-8	L-10	L-9	5	60' HAIRLINE CRACK, EFFLORESCENCE, RUST BUILD-UP	SCALING MID-SPAN, 75 LF HAIRLINE CRACKS +/-
(RAMP) K-9	K-7	L-9	L-7	5	60' Hairline cracks, efflorescence, spalls @ no cover	4SF water penetration, surface wearing, wearing surface
(RAMP) A-8	A-7	B-8	B-7	6	Cracks @ CJ	Some wear @ CJ, overall wearing
A-7	A-6	B-7	B-6	5	5' HAIRLINE CRACK, WATER STAINS AT CLOSURE POUR, 3' HAIRLINE CRACK w/EFFLORESENCE	15' Cracks sealed
B-8	B-6	C-8	C-6	6	OK	OK
C-8	C-6	D-8	D-6	6	OK	OK
D-8	D-6	E-8	E-6	6	OK	OK
E-8	E-6	F-8	F-6	6	OK	OK
F-8	F-6	G-8	G-6	3	21' HAIRLINE CRACK, EFFLORESCENCE AT CLOSURE POUR WITH 11 SF TOTAL DELAMINATIONS	Patch w/ cracks
G-8	G-6	H-8	H-6	6	OK	OK, waterproofing @ CJ

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Inspection Date: 7 / 12 / 2019	Inspector(s): ZBR	EAST END ADDITION	3rd Level	Overall Deck Rating:	5.71

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
A-10	A-9	B-10	B-9	6	OK	OK
B-10	B-8	C-10	C-8	6	RUST STAIN, SMALL SPALL w/RUST (POOR CONSTRUCTION)	Some chloride deposits
C-10	C-8	D-10	D-8	6	OK, water stains	Some chloride deposits
D-10	D-8	E-10	E-8	6	OK	OK
E-10	E-8	F-10	F-8	6	OK	OK, drain heavily rusted
F-10	F-8	G-10	G-8	5	15' Hairline cracks @ CJ, wire hanging from deck	OK, strip of waterproofing @ CP
G-10	G-8	H-10	H-8	6	5' HAIRLINE CRACK	12 LF HAIRLINE CRACKS
H-10	H-8	I-10	I-8	6	OK	3 Cracks along east side, 20 LF total, drain heavily rusted
I-10	I-8	J-10	J-8	6	OK	3 LF HAIRLINE CRACKS
J-10	J-8	K-10	K-8	6	OK	OK
K-10	K-8	L-10	L-9	5	10' Hairline cracks w/ delamination, 2SF delamination	OK, 2 cracks sealed, rust stains
(RAMP) K-9	K-8	L-9	L-8	5	10' Hairline cracks w/ rust stains & efflorescence in patch	Waterproofing w/ some wear
(RAMP) A-9	A-8	B-9	B-8	6	45' Hairline cracks, tie showing, light efflorescence, rust stains	Newer waterproofing, 4 LF hairline cracks, some sediment deposits
A-7	A-6	B-7	B-6	6	5' HAIRLINE CRACK WITH EFFLORESCENCE	17 LF Hairline cracks, some chloride deposits
B-8	B-6	C-8	C-6	5	10' HAIRLINE CRACK WITH LIGHT EFFLORESCENCE	OK
C-8	C-6	D-8	D-6	6	WATER STAINS FROM JOINT AT AIR SHAFT	OK
D-8	D-6	E-8	E-6	5	5' HAIRLINE CRACK, EFFLORESCENCE, WATER STAINS	OK
E-8	E-6	F-8	F-6	6	OK	OK, drain heavily rusted
F-8	F-6	G-8	G-6	6	18 LF Hairline cracks @ closure, rust stains, tie showing	OK, waterproofing strip @ CJ
G-8	G-6	H-8	H-6	6	OK	1SF Surface delamination @ 4 line
H-8	H-6	I-8	I-6	6	OK	OK
I-8	I-6	J-8	J-6	4	12' Hairline cracks w/ 6 LF of grease @ form joint, pic #3(2019)	OK
J-8	J-6	K-7	K-6	6	30' Hairline cracks w/ efflorescence, water stains, 4SF delamination	OK, drain heavily rusted
K-7	K-6	L-7	L-6	6	3' HAIRLINE CRACK	12' Hairline cracks sealed

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Inspection Date: 7 / 12 / 2019	Inspector(s): ZBR	EAST END ADDITION	3rd Level	Overall Deck Rating:	5.71

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
L-5	I.6-5	L-4	I.6-4	6	OK	35 LF Hairline cracks @ L line, map cracking
L-4	I.6-4	L-3	I.6-3	6	15' Hairline cracks	35 LF Hairline cracks @ L line, map cracking, drain cap missing
L-3	I.6-3	L-2	I.6-2	5	30' HAIRLINE CRACK, EFFLORESCENCE, WATER STAINS, 3 SF DELAMINATION	Gauge @ CJ
K.1-2	I.6-2	K.1-1	I.6-1	6	OK	4 LF Hairline cracks
I.6-1	G-1	I.6-2	G-2	6	10% locked storage room, OK	OK, corner has waterproofing
I.6-2	G-2	I.6-3	G-3	6	OK	1 SF possible delamination @ 3 line, drain cover damaged
I.6-3	G-3	I.6-4	G-4	6	5' HAIRLINE CRACK NORTH END	OK
I.6-4	G-4	I.6-5	G-5	6	OK	PONDING AT I.6-LINE
(RAMP) K-8	K-7	L-8	L-7	4	45' Hairline cracks w/ heavy efflorescence, tie showing	Waterproofing is wearing, 20' hairline cracks
(RAMP) A-8	A-7	B-8	B-7	6	10' Hairline cracks, rust stains	Waterproofing is wearing, 20' hairline cracks

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Inspection Date: 7 / 12 / 2019	Inspector(s): ZBR	EAST END ADDITION	4th Level	Overall Deck Rating:	**5.68**

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
A-10	A-9	B-10	B-9	6	OK	4' Cracks sealed
B-10	B-8	C-10	C-8	6	OK	3 LF Hairline cracks, 2SF delamination @ patch, drain cover missing, 15' cracks sealed
C-10	C-8	D-10	D-8	6	OK, water stains	50 LF Hairline cracks, map cracking, some sealed
D-10	D-8	E-10	E-8	6	OK	75 LF Hairline cracks, map cracking, some sealed
E-10	E-8	F-10	F-8	6	15' Hairline cracks, water stains	60 LF Hairline cracks, map cracking, some sealed
F-10	F-8	G-10	G-8	5	25' Hairline cracks, some patched @ CJ, wires hanging, water stains, cracks in patch	Waterproofing strip @ CJ
G-10	G-8	H-10	H-8	6	10' Hairline cracks, light efflorescence @ 8 line	31 LF Hairline cracks, map cracking
H-10	H-8	I-10	I-8	6	Reinforcement showing due to poor consolidation, water stains, pic #1(2019)	OK
I-10	I-8	J-10	J-8	6	Small spalls @ I line	OK, paint on deck
J-10	J-8	K-10	K-8	6	OK	2 LF HAIRLINE CRACK AT J-10
K-10	K-9	L-10	L-9	6	2 LF Hairline cracks w/ light efflorescence	OK
(RAMP) K-9	K-8	L-9	L-8	5	35' Hairline cracks w/ efflorescence, rust stains, reinforcement showing	Waterproofing looks new, lots of sediments
(RAMP) A-9	A-8	B-9	B-8	5	40' Hairline cracks w/ light efflorescence, rust stains	Waterproofing wearing, 10' hairline cracks
B-8	B-6	C-8	C-6	6	OK, poor consolidation @ 8 line	Rust @ 8 line
C-8	C-6	D-8	D-6	6	OK, water stains	OK, rust stains
D-8	D-6	E-8	E-6	6	1 LF Hairline cracks, water stains	3 LF Hairline cracks, rust stains
E-8	E-6	F-8	F-6	6	OK, water stains	OK, drain cover damaged
F-8	F-6	G-8	G-6	6	21 LF Hairline cracks w/ efflorescence & water stains @ CJ, 1 LF exposed bar @ 8 line, rust stains	2 LF Hairline cracks, waterproofing strip @ CJ
G-8	G-6	H-8	H-6	6	15' Hairline cracks, water stains, grease stains	OK
H-8	H-6	I-8	I-6	6	OK, water stains	OK
I-8	I-6	J-8	J-6	6	OK	OK
J-8	J-6	K-8	K-6	5	6" Rust stain, reinforcement showing, water stain, grease stain	50 LF Hairline cracks, map cracking, drain cover damaged
K-7	K-6	L-7	L-6	5	50' Hairline cracks w/ heavy efflorescence, water stains	20 LF Hairline cracks @ L line
L-5	I.6-5	L-4	I.6-4	5	OK	3 Deep gouges @ door, appears from original construction, minor rust stains, pic #4(2019)

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Inspection Date: 7 / 12 / 2019	Inspector(s): ZBR	EAST END ADDITION	4th Level	Overall Deck Rating:	5.68

Red deck boundary = Inside private garage

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
L-4	I.6-4	L-3	I.6-3	6	OK	OK, minor rust stains
L-3	I.6-3	L-2	I.6-2	6	EXPOSED EPOXY MESH AT POORLY CONSOLIDATED CONCRETE CLOSE TO ENTRANCE	OK, minor rust stains
K.1-2	I.6-2	K.1-1	I.6-1	6	OK	OK, minor rust stains
I.6-1	G-1	I.6-1	G-2	5	1 SF DELAMINATION AT G-LINE	OK, minor rust stains
I.6-2	G-2	I.6-3	G-3	6	OK	6" SQ. SMALL SPALL, POSSIBLE 6" SQ. DELAMINATION
I.6-3	G-3	I.6-4	G-4	5	1 LF Hairline cracks w/ light efflorescence	15' Cracks sealed
I.6-4	G-4	I.6-5	G-5	6	OK	STANDING WATER @ END ALONG I-6
(RAMP) K-8	K-7	L-8	L-7	4	80 LF Hairline cracks w/ heavy efflorescence & water stains, 1SF delamination, many rust stains	RAMP WATERPROOFED AND LOOKS GOOD
(RAMP) A-8	A-7	B-8	B-7	5	1SF Delamination, 15' hairline cracks w/ efflorescence, reinforcement showing, pic #2(2019)	RAMP WATERPROOFED AND LOOKS GOOD
A-7	A-6	B-7	B-6	6	OK	Rust stains, moss @ center span

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Inspection Date: 7 / 12 / 2019	Inspector(s): ZBR	EAST END ADDITION	5th Level	Overall Deck Rating:	5.88

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
A-10	A-9	B-10	B-9	6	OK	2 LF Hairline cracks, some sealed
B-10	B-8	C-10	C-8	6	OK	28 LF Hairline cracks @ barrier wall, patch spall @ B line
C-10	C-8	D-10	D-8	6	OK	20 LF Hairline cracks @ barrier wall
D-10	D-8	E-10	E-8	6	OK	50 LF Hairline cracks
E-10	E-8	F-10	F-8	6	1' HAIRLINE CRACK WITH EFFLORESCENCE	Hairline cracks @ barrier wall & close to elevator 23 LF total
F-10	F-8	G-10	G-8	6	25' Hairline cracks w/ efflorescence, water stains @ closure pour, wires hanging from deck	8 LF Hairline cracks @ barrier wall, strip of waterproofing @ CJ
G-10	G-8	H-10	H-8	5	1' HAIRLINE CRACK	Hairline cracks @ midspan & end of slab 100 LF +/- total, map cracking, water stains
H-10	H-8	I-10	I-8	6	OK	15 LF Hairline cracks
I-10	I-8	J-10	J-8	6	OK	OK
J-10	J-8	K-10	K-8	6	OK	4 LF Hairline cracks @ drain, standing water @ 8 line
K-10	K-8	L-10	L-9	6	6' Hairline cracks w/ efflorescence, water stains @ CJ, chair rust	10 LF Hairline cracks, some sealed
(RAMP) K-9	K-8	L-9	L-8	5	2 -10' Hairline cracks w/ efflorescence, wide cracks @ CJ	MEMBRANE APPEARS NEW
(RAMP) A-9	A-8	B-9	B-8	5	31 LF Hairline cracks w/ efflorescence & rust, efflorescence @ beam/deck, reinforcement showing	MEMBRANE APPEARS NEW, FULL WIDTH CRACK AT CONSTRUCTION JOINT
A-7	A-6	B-7	B-6	6	13' Hairline cracks w/ efflorescence, 6" grease stains	6' cracks, some sealed, moss @ 6 line
B-8	B-6	C-8	C-6	6	25' Hairline cracks w/ efflorescence, (3) 6" grease stains	Moss @ 6 line
C-8	C-6	D-8	D-6	6	20' Hairline cracks, 12' Hairline cracks w/ efflorescence	25 LF Hairline cracks @ 6 line
D-8	D-6	E-8	E-6	6	10' Hairline cracks, (4) grease stains	4 LF Hairline cracks
E-8	E-6	F-8	F-6	6	OK, drain rusted	22 LF Hairline cracks, seal @ wall cracked, moss @ 6 line
F-8	F-6	G-8	G-6	6	16' HAIRLINE CRACKS WITH EFFLORESCENCE MOSTLY AT CLOSURE POUR	33 LF Hairline cracks @ midspan, strip of waterproofing @ CJ
G-8	G-6	H-8	H-6	6	OK	2 LF Hairline cracks @ G-8, 25SF scaling mid span
H-8	H-6	I-8	I-6	6	OK, large water stains	OK
I-8	I-6	J-8	J-6	6	OK, water stains	3 LF Hairline cracks @ I.6-5
J-8	J-6	K-7	K-6	6	10' Hairline cracks w/ efflorescence, rusted drain, small spalls	6 SF Surface patch spalled, 29 LF hairline cracks, chloride residue, drain cover broken
K-7	K-6	L-7	L-6	6	OK, large water stains	OK

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Inspection Date: 7 / 12 / 2019	Inspector(s): ZBR	EAST END ADDITION	5th Level	Overall Deck Rating:	5.88

Red deck boundary = Inside private garage

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
L-5	I.6-5	L-4	I.6-4	6	OK	40 LF Hairline cracks & 3' + 1' exposed rebar @ joint
L-4	I.6-4	L-3	I.6-3	6	2 LF Hairline cracks, light efflorescence	OK
L-3	I.6-3	L-2	I.6-2	6	OK	20 LF Hairline cracks, some sealed
K.1-2	I.6-2	K.1-1	I.6-1	6	1 LF Hairline cracks, light efflorescence	1 LF Hairline cracks, poor consolidation @ 1 line
I.6-1	G-1	I.6-1	G-2	6	OK	1 LF Hairline cracks, rust stains
I.6-2	G-2	I.6-3	G-3	6	OK	OK
I.6-3	G-3	I.6-4	G-4	6	OK	OK
I.6-4	G-4	I.6-5	G-5	6	OK	OK
(RAMP) A-8	A-7	B-8	B-7	5	150 LF Hairline cracks, half w/ heavy efflorescence, 10' wide cracks @ CJ, rust stains	Waterproofing wearing
(RAMP) K-8	K-7	L-8	L-7	6	20' Hairline cracks w/ efflorescence, rust stains, multiple reinforcement shown	Waterproofing wearing, sediment covered

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Inspection Date: 7 / 12 / 2019	Inspector(s): ZBR	EAST END ADDITION	6th Level	Overall Deck Rating:	5.32

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
A-10	A-9	B-10	B-9	6	75' HAIRLINE CRACK, 4 LF WITH EFFLORESCENCE	22 LF Hairline cracks, weathered, worn surface
B-10	B-8	C-10	C-8	5	65' HAIRLINE CRACK WITH EFFLORESCENCE, 2" & 3" DIA. GREASE STAINS	Scale/poor consolidation, worn surface
C-10	C-8	D-10	D-8	5	5' Hairline cracks w/ light efflorescence, (2)-6"grease stains	Worn surface
D-10	D-8	E-10	E-8	6	5' HAIRLINE CRACK WITH LIGHT EFFLORESCENCE	215 LF Hairline crack, worn surface
E-10	E-8	F-10	F-8	5	20' HAIRLINE CRACK WITH EFFLORESCENCE, (2)-6" DIA. & (1)-2" DIA. GREASE STAINS	8 LF Cracks, pitted, worn surface
F-10	F-8	G-10	G-8	5	100' Hairline cracks, water stains @ closure pour, efflorescence @ 8 line, patch cracks	30 LF Hairline cracks, worn surface
G-10	G-8	H-10	H-8	5	23' HAIRLINE CRACK WITH LITE EFFLORESCENCE, 2" & 6" DIA. GREASE	1 LF @ H-8 & 2 LF @ G-8, 35 LF Hairline craks, cracks w/ efflorescence, worn surface
H-10	H-8	I-10	I-8	5	5' Hairline cracks, poor consolidation @ drain, 5' hairline w/ light efflorescence, 2" grease stain, water/rust stains	1 LF Hairline cracks AT H-8 w/ efflorescene, worn surface
I-10	I-8	J-10	J-8	5	5' HAIRLINE CRACK, 4' HAIRLINE CRACK WITH EFFLORESCENCE, (2)-6" DIAM GREASE	1 LF Hairline cracks AT J-8 w/ efflorescene, worn surface
J-10	J-8	K-10	K-8	5	40' HAIRLINE CRACK WITH EFFLORESCENCE	1 LF Hairline cracks AT J-8 w/ efflorescene, sediment ponding @ K-8, 10' crack worn surface
K-10	K-9	L-10	L-9	5	50' HAIRLINE CRACK WITH EFFLORESCENCE	OK
(RAMP) K-9	K-7	L-9	L-7	5	160 LF Hairline cracks w/ heavy efflorescence, tie showing, rust stains	Waterproofing wearing, some spots worn through
E-8	E-6	F-8	F-6	5	25' HAIRLINE CRACK WITH WATER STAINS AND LIGHT EFFLORESCENCE, 2" DIA. GREASE	26 LF Hairline cracks, some sealed
F-8	F-6	G-8	G-6	5	73' HAIRLINE CRACK WITH EFFLORESCENCE, HAIRLINE CRACKS ACROSS POUR STRIP, EFFLORESCENCE AT 8-LINE JOINT	20' Cracks sealed
G-8	G-6	H-8	H-6	6	2' Hairline cracks, 6" grease stain, water stains	OK
H-8	H-6	I-8	I-6	6	1' Hairline crack, grease stain	3 LF Hairline cracks, worn surface
I-8	I-6	J-8	J-6	5	6' Hairline cracks, water stains	7 LF Hairline cracks, worn surface
J-8	J-6	K-7	K-6	5	45' Hairline cracks w/ efflorescence, 1SF spall, 6" grease stain, reinforecemnt showning	45 LF Hairline cracks, some sealed, worn surface
K-7	K-6	L-7	L-6	6	20' HAIRLINE CRACK	20 LF Hairline cracks, some sealed, worn surface
L-5	I.6-5	L-4	I.6-4	6	2" Grease stain	26 LF Hairline cracks, worn surface
L-4	I.6-4	L-3	I.6-3	6	3' HAIRLINE CRACK	Worn surface
L-3	I.6-3	L-2	I.6-2	6	3" Grease stain	16 LF HAIRLINE CRACKS, 30 LF OF CRACKS NEEDS TO BE RE-SEALED
K.1-2	I.6-2	K.1-1	I.6-1	5	100' HAIRLINE CRACK WITH EFFLORESCENCE	100 LF Hairline cracks, some sealed, worn surface
I.6-1	G-1	I.6-1	G-2	5	160' Hairline cracks w/ efflorescence, possible 1SF edge delamination @ G line, (2) 6' grease stains	4 LF Hairline cracks, some sealed, worn surface

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Inspection Date: 7 / 12 / 2019	Inspector(s): ZBR	EAST END ADDITION	6th Level	Overall Deck Rating:	5.32

Column Boundaries of Deck Bay:				Deck Rating:	Deck Underside Notes:	Deck Top Notes:
I.6-2	G-2	I.6-3	G-3	5	35' HAIRLINE CRACK WITH EFFLORESCENCE, (2)-1 SF EDGE DELAMINATIONS, (2)-3" GREASE, 2 LF EFFLORESCENCE AT DECK/BEAM	5 LF Hairline cracks @ G-3
I.6-3	G-3	I.6-4	G-4	5	14' HAIRLINE CRACK WITH EFFLORESCENCE, 4LF EFFLORESCENCE AT DECK/BEAM	OK
I.6-4	G-4	I.6-5	G-5	6	5' HAIRLINE CRACKS WITH LIGHT EFFLORESCENCE	SIGNS OF PONDING AT I.6-LINE
(RAMP) A-8	A-9	B-8	B-9	5	130 LF Hairline cracks w/ water stains & efflorescence, rust stains	20 LF Hairline cracks, waterproofing wearing, some spots worn

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Inspection Date: 8 / 21 / 2019	Inspector(s): JCH	EAST END ADDITION	Overall Exp. Joint Rating:	**4.86**

Level	Location	Joint Rating:	Expansion Joint Notes:
2nd Level	NORTH WEST STAIR	8	
2nd Level	COLUMN G-6 TO G-5	5	CONCRETE SPALLING AT JOINT, MATERIAL A LITTLE ROUGH (Exp. Jt. 9_2019)
2nd Level	H.3-8 TO H.3-6 TO G-6	6	DIRTY, 2LF HEADER CRACKS, JOINT REPLACED IN 2011 (Exp. Jt. 10_2019)
2nd Level			
Average Rating	**2nd Level**	**5.50**	
3rd Level	NORTH WEST STAIR	4	MISSING JOINT MATERIAL (Exp. Jt. 8_2019)
3rd Level	COLUMN G-6 TO G-5	4	MISSING JOINT MATERIAL (Exp. Jt. 7_2019)
3rd Level	C-6 TO G-6	6	DIRTY JOINT MATERIAL
3rd Level			
Average Rating	**3rd Level**	**4.67**	
4th Level	NORTH WEST STAIR	4	MISSING JOINT MATERIAL (Exp. Jt. 6_2019)
4th Level	COLUMN G-6 TO G-5	4	MISSING JOINT MATERIAL (Exp. Jt. 5_2019)
4th Level	L-6 TO G-6	6	HEADER MATERIAL REPLACED IN 2011, DIRTY JOINT
4th Level			
Average Rating	**4th Level**	**4.67**	

Inspection Date: 8 / 21 / 2019	Inspector(s): JCH	EAST END ADDITION	Overall Exp. Joint Rating:	**4.86**

Level	Location	Joint Rating:	Expansion Joint Notes:
5th Level	NORTH WEST STAIR	4	NO JOINT MATERIAL
5th Level	COLUMN G-6 TO G-5	6	LOOKS OK
5th Level	L-6 TO G-6	5	JOINT REPLACED IN 2011, NO HEADER MATERIAL AT COLUMN I.6-5, DEBRIS IN JOINT (Exp. Jt. 4_2019)
5th Level			
Average Rating	**5th Level**	**5.00**	
6th Level	COLUMN G-6 TO G-5	6	JOINT REPLACED IN 2011
6th Level	NORTH WEST STAIR	4	MISSING JOINT MATERIAL (Exp. Jt. 1_2019)
6th Level	L-6 TO G-6	4	JOINT REPLACED IN 2011, 2 SMALL LEAKS (Exp. Jt. 2, 3_2019)
6th Level			
Average Rating	**6th Level**	**4.67**	

Inspection Date: 7 / 16 / 2019	Inspector(s): ZBR	EAST END ADDITION	Overall WP & Sealants Rating:	**5.00**

Level	WP & Sealants Rating:	Waterproofing and Sealants Notes:
Ground	8	DNE
2nd Level	5	POUR STRIP WATERPROOFING REPLACED IN 2011, LOOKS OK, WATERPROOFING ON RAMPS NEWER BUT DIRTY & SHOWING WEAR/SOME SPOTS WORN THROUGH
3rd Level	5	POUR STRIP WATERPROOFING REPLACED IN 2011, LOOKS OK, WATERPROOFING ON RAMPS NEWER BUT DIRTY & SHOWING WEAR/SOME SPOTS WORN THROUGH
4th Level	5	POUR STRIP WATERPROOFING REPLACED IN 2011, LOOKS OK, WATERPROOFING ON RAMPS NEWER BUT DIRTY & SHOWING WEAR/SOME SPOTS WORN THROUGH
5th Level	5	POUR STRIP WATERPROOFING REPLACED IN 2011, LOOKS OK, WATERPROOFING ON RAMPS NEWER BUT DIRTY & SHOWING WEAR/SOME SPOTS WORN THROUGH
6th Level	5	POUR STRIP WATERPROOFING REPLACED IN 2011, LOOKS OK, WATERPROOFING ON RAMPS NEWER BUT DIRTY & SHOWING WEAR/SOME SPOTS WORN THROUGH, NO COVER SEALANT

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Inspection Date: 7 / 16 / 2019	Inspector(s): ZBR	EAST END ADDITION	Ground	Overall Wall Rating:	5.06

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
K-8	J-8	6	Hairline cracks @ joint top wall/parapet, exposed reinforcement
J-8	I-8	5	Hairline cracks @ joint top wall/parapet, water stains, light efflorescence
I-8	H-8	5	Multiple hairline cracks @ joint top wall/parapet, water stains, light efflorescence
H-8	H-7.5	4	2SF &6 SF Delaminations, (6) full height cracks w/ heavy efflorescence & water stains, pic #1-2(2019)
H-7.5	G.5-7.5	4	Light efflorescence , bottom course heavily scaled, pic #3(2019)
G.5-7.5	G.5-6	4	(2) Cracks through 5 courses of CMU @ door, light efflorescence, heavy scale @ bottom, pic #4(2019)
G.5-6	G-6	5	Light efflorescence, rust stains, crack @ CJ, small spalls
G-6	F-6	4	Step crack @ lintel, solid CMU's used, pic #5(2019)
F-6	E-6	7	OK
E-6	D-6	6	Light efflorescence @ most of the wall
D-6	C-6	6	Hairline crack @ mortar joint, step cracking
C-6	B-6	5	Diagonal cracks through CMU, step cracking, efflorescence
B-6	A-6	5	Diagonal cracks through CMU, step cracking
D-8	C-8	5	9 LF Hairline cracks, scaling @ CJ
C-8	B-8	5	3 LF Hairline cracks, heavy rust stains @ pipe, possible 4SF delamination
B-8	A-8	5	25' Hairline cracks, efflorescence, rust stain, small spall (UNDER RAMP)
			(BLOCKED BY PALLETS OF SALT AT TIME OF INSPECTION)

Wall Start Column:	Wall End Column:	Wall Rating:	Notes

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Inspection Date: 7 / 16 / 2019	Inspector(s): ZBR	EAST END ADDITION	2nd Level	Overall Wall Rating:	5.45

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
1D-10	E-10	6	Water stains
E-10	F-10	6	Hairline cracks, water stains
A-6	B-6	6	Efflorescence
B-6	C-6	5	Heavy efflorescence, hairline cracks
C-6	D-6	6	LIGHT EFFLORESCENCE, STEP CRACK, 1 LF CMU FACE SHELL CRACK
D-6	E-6	6	LIGHT EFFLORESCENCE, WATER STAINS
E-6	F-6	6	LIGHT EFFLORESCENCE
F-6	G-6	5	Light efflorescence, water stains, door and frame rusted w/o handle
G-5	G-4	4	5SF CMU delamination @ G-5, 3 LF face shell cracks, 4SF CMU crack and moving, pic # 6(2019)
G.9-1	G.9-1.8	6	STORAGE ROOM, BOTTOM COURSE HAS LIGHT SCALE
G.9-1.8	G-1.8	4	1/4" Wide crack through 5 courses of CMU, bottom course has light scale, pic #7(2019)

Wall Start Column:	Wall End Column:	Wall Rating:	Notes

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Inspection Date: 7 / 16 / 2019	Inspector(s): ZBR	EAST END ADDITION	3rd Level	Overall Wall Rating:	6.22

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
A-6	B-6	6	Efflorescence, water stains, small spall
B-6	C-6	6	Efflorescence, water stains
C-6	D-6	6	Efflorescence, water stains
D-6	E-6	6	Efflorescence, water stains
E-6	F-6	6	Efflorescence, water stains
F-6	G-6	6	Efflorescence, water stains, no door & rusted frame
G-5	G-4	6	OK
D-10	E-10	7	OK
E-10	F-10	7	OK

Wall Start Column:	Wall End Column:	Wall Rating:	Notes

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Inspection Date: 7 / 16 / 2019	Inspector(s): ZBR	EAST END ADDITION	4th Level	Overall Wall Rating:	5.43

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
A-6	B-6	5	Efflorescence, water stains, damaged CMU (puncture), light algae, bad sealant, 1SF delamination
B-6	C-6	5	Efflorescence, water stains, algae, joint cracks
C-6	D-6	5	Light efflorescence, water stains, rust stain in joint @ pipe, small spalls, vertical crack in corner @ pipe
D-6	E-6	5	Heavy efflorescence, water stains
E-6	F-6	6	Efflorescence, water stains
F-6	G-6	5	Efflorescence, water stains, door frame rusted w/ no door
G-5	G-4	7	OK

Wall Start Column:	Wall End Column:	Wall Rating:	Notes

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Inspection Date: 7 / 16 / 2019	Inspector(s): ZBR	EAST END ADDITION	5th Level	Overall Wall Rating:	5.43

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
A-6	B-6	6	Light efflorescence, moss @ bottom, cap joints need reseal
B-6	C-6	5	Cracked CMU upper right, bad sealant @ wall/deck, moss @ bottom, cap joints need reseal, light efflorescence
C06	D-6	5	Sealant cracked @ wall/deck, efflorescence
D-6	E-6	5	HAIRLINE CRACKS IN CMU JOINTS, SEALANT CRACKED AT WALL/DECK
E-6	F-6	5	LIGHT EFFLORESCENCE, ALGAE IN CORNER, BAD SEALANT AT WALL/DECK
F-6	G-6	5	Heavy efflorescence, 6" SQ. CMU spall, no door w/ rusted frame
G-5	G-4	7	OK

Wall Start Column:	Wall End Column:	Wall Rating:	Notes

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Inspection Date: 7 / 16 / 2019	Inspector(s): ZBR	EAST END ADDITION	6th Level	Overall Wall Rating:	5.00

Wall Start Column:	Wall End Column:	Wall Rating:	Notes
E-6	F-6	5	Mortar joint cracks, bad sealant @ wall/deck, efflorescence
F-6	G-6	4	Mortar joint cracks, step cracks, missing sealnat @ wall/deck, sealant cracking, moss @ bottom
G-5	G-4	6	Mortar joint cracks, hairline cracks

Wall Start Column:	Wall End Column:	Wall Rating:	Notes

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Inspection Date: 08/ 10 / 2019	Inspector(s): TJ	EAST END ADDITION	Overall Stairs Rating:	4.89

Location	Level	Stair Rating:	Stair Notes:
Northwest	1	6	WORN PAINT ON DOOR LEADING TO GIBBS. ST.
Northwest	2	5	DOOR FRAME RUSTING. NO DOOR HANDLE OR BAR. CLOSER BUSTED. CRACK @ THE DOOR THRESHOLD. SLIGHT WEAR & TEAR ON HANDRAILS. PEELING PAINT.
Northwest	3	5	DOOR FRAME RUSTED. NO DOOR. THRESHOLD BENT, TRIPPING HAZARD. SLIGHT WEAR AND TEAR ON HANDRAIL PAINT. GRAFFITI ON THE WALL. CRACKS ON LANDING GOING UP TO 3RD FLOOR.
Northwest	4	5	RUSTED DOOR FRAME. NO DOOR. WORN PAINT ON HANDRAILS. SOME RUST ON HANDRAILS. GRAFFITI ON THE WALLS. BAN TREAD COMING UP FROM THE LANDING TO FLOOR 4. CRACK @ 1ST STEP GOING UP TO LANDING. CRACK IN BLOCK ON LANDING GOING UP TO FLOOR 4.
Northwest	5	4	RUSTED DOOR FRAME. NO DOOR. LOOSE THRESHOLD. TRIPPING HAZARD. GRAFFITI ON WALLS, WORN PAINT ON HANDRAILS.
Northwest	6	5	DOOR DOESN'T CLOSE. DOOR FRAME RUSTED. WORN PAINT ON HANDRAILS. SMALL AMOUNT OF RUST ON HANDRAILS NEAR THE BASE. GRAFFITI ON WALLS.
Northwest			
Northwest			
Average Rating	**Northwest**	**5.00**	
Northeast	1	3	LOOSE DOOR HANDLE TO SCIO STREET. WORN PAINT ON HANDRAIL. HAIRLINE CRACK 27" NEAR SCIO ST. DOOR. 4' HAIRLINE FLOOR CRACK @ GARAGE DOOR. 1/8" CRACK IN BLOCKS BY SCIO ST. DOOR. LIGHT VISIBLE THROUGH CRACK. RUSTED LEGS ON RAILINGS GOING UP STAIRS. WORN PAINT ON HANDRAILS. TREADS ARE GOOD.
Northeast	2	3	LARGE 1" GAP WHERE LEVEL 2 AND BLOCK WALL MEET. CRACK IS THROUGH BLOUT AND GROUT. RAILNGS RUSTED AND PAINT IS WORN. 3RD STEP FROM 2ND FLOOR LANDING - TREAD IS WORN.
Northeast	3	5	SMALL CRACK GOING THROUGH GROUT AND BLOCK WHERE 3RD FLOOR/BLOCK MEET. RAILINGS RUSTED @ FEET, WORN AND RUSTED HANDRAILS. HAIRLINE CRACK ON THE UNDERNEATH STAIR COMING FROM THE LANDING. 4 STEP UP FROM 3RD FLOOR TREAD IS WORN.
Northeast	4	5	SMALL CRACK WHERE 4TH FLOOR & BLOCK MEET. RUSTED HANDRAILS W/WORN PAINT.
Northeast	5	4	SMALL CRACK WHERE FLOOR 5 & BLOCKS MEET. HANDRAILS RUSTED W/WORN PAINT. REPAIR WORKS IS FAILING FROM UNDERNEATH 5TH FLOOR STAIRS GOING TO LANDING. CRACK ON 4TH STAIR GOING TO LANDING.
Northeast	6	4	GROUT IS FALLING OFF WHERE 6TH FLOOR & BLOCK MEET. RAILING RUSTED W/WORN PAINT. 4' HAIRLINE CRACK NEAR DOOR GOING OUT TO LVL 6. GRAFFITI NEXT TO ELEVATOR. SALE AND ALGEA STAINS UNDERGLASS VIEWING THE PARKING AREA.
Northeast	7		TOE KICK SURFACE RUST, RAIL POST BASE RUST - TYP. ALL LEVELS
Northeast			
Average Rating	**Northeast**	**4.00**	
Southwest	1	5	LOOSE DOOR HANDLE ON DOOR LEADING TO GIBBS. ST. WORN DOOR HANDLES. 6' CRACKS IN THE CMU & GROUT NEXT TO THE ELEVATOR (WORN HANDRAILS.) HAIRLINE CRACKS COMING FROM GARAGE DOOR TO ELEVATOR. WORN TREAD GOING UP TO THE FIRST LANDING (1ST STEP)
Southwest	2	6	RAILING BASE RUSTED. (4) HAIRLINE CRACK ON BEAM
Southwest	3	6	RAILING BASE RUSTED. GRAFFITI ON LANDING.
Southwest	4	6	SLIGHTLY WORN TREADS GOING UP TO THE LANDING. GRAFFITI ON LANDING.
Southwest	5	6	RAILING RUSTED @ BASE. WORN PAINT ON RAILING. HAIRLINE FRACTURE ON LANDING. HARLINE CRACKS IN BEAM ABOVE LANDING.
Southwest	6	5	RUST ON RAILING. DOOR DOESN'T SHUT ALL OF THE WAY. GRAFFITI ON ELEVATOR.
Southwest			
Southwest			
Average Rating	**Southwest**	**5.67**	

Inspection Date: 08 / 2019	Inspector(s): TJ	EAST END ADDITION	Overall Veh. Barriers Rating:	6.51

Level	Location	Conc.	Steel	Cable	Wood	Veh. Barr. Rating:	Vehicle Barrier Notes:
Ground	A-9 TO A-9.5					7	
Ground	D-10 TO D-9.5		X			7	4 BOLLARDS
Ground	D.5-10 TO D.5-9		X			7	6 BOLLARDS
Ground	E-10 TO E-9.8		X			7	3 BOLLARDS
Ground	G.6-9.5 TO F.1-9.5		X			7	3 BOLLARDS
Ground	NORTH EAST STAIR		X			3	11 BOLLARDS, 2 MISSING, VEHICLES CAN RUN GATE
Ground	A-10 TO D-10		X			7	
Ground	G-10 TO L-10		X			6	
Ground	H-8 TO G-8	X		X		5	
Ground	F-8 TO E-8	X		X		7	
Ground	D-8 TO B-8	X		X		6	39 LF HAIRLINE CRACKS
Ground	B-7 TO B-8	X				7	
Ground	B-7 TO B-9	X				5	10' HAIRLINE CRACKS, 3' WATER CRACKS
Ground	A-6 TO G-6		X			7	NO WHEEL STOP AT WEST STAIRS
Ground	H-6 TO H-8	X				6	
Ground	I-10 TO J-10		X			6	
Ground	J-10 TO K-10		X			6	
Ground	K-10 TO L-10		X				
Ground	H-10 TO I-10		X				
Ground	G-10 TO H-10		X				
Ground							
Ground							
Ground							
Ground							
Ground							
Ground							
Ground							
Average Rating	**Ground**					**6.24**	
2nd Level	NORTH EAST STAIR		X			7	8 STEEL BOLLARDS
2nd Level	B-8 TO B-9	X				7	
2nd Level	G-8 TO K-8 (EAST)	X		X		7	SOME WHEEL STOPS ARE LOOSE
2nd Level	K-8 TO K-9	X		X		7	NO CABLE.
2nd Level	L-7 TO L9	X				6	4 LF HAIRLINE CRACKS
2nd Level	L-9 TO L-10	X				6	REPAIRED IN 2010-2011, RAIL BEHIND RUSTED
2nd Level	B-7 TO B-8		X			7	
2nd Level	A-7 TO A-9	X				7	
2nd Level	A-6 TO G-6		X			7	
2nd Level	B-8 TO F-8 (WEST)		X			6	TOP CABLE STRAND EXPOSURE B8-C8 LOOSE WHEEL STOPS
2nd Level	G-8 TO K-8 (WEST)	X		X		6	6" RIP IN CALE COATING AT K-8
2nd Level	K-7 TO K-8	X				6	3' HAIRLINE CRACKS
2nd Level	L-6 TO L-7	X	X			6	REPAIRED IN 2010-2011, FENCE RUST, PAINT PEELING
2nd Level	C-3 TO C-5		X			7	
2nd Level	I.6-3 TO I.6-5	X		X		5	CABLE SPLIT AND RUSTING. LOOSE.
2nd Level	G-1.5 TO G-5	X	X			3	BARRIER AND DECORATIVE FENCE DOWN BETWEEN G-2 & G-3
2nd Level	G-10 TO L-10	X				4	A NUMBER OF WHEEL STOPS WITH REINFORCEMENT EXPOSED
2nd Level	B-8 TO F-8 (EAST)	X		X		7	
2nd Level	G-6 TO L-6	X				4	MISSING WHEEL STOPS
2nd Level	G-5 TO G-1	X				5	WHEEL STOPS WITH REINFORCEMENT EXPOSED
2nd Level	SW STAIR	X				7	6 BOLLARDS OK
2nd Level	L-5 TO L-4		X			7	
2nd Level	L-4 TO L-3		X			7	
2nd Level	L-3 TO L-2		X			7	HAND RAILING
2nd Level							
2nd Level							
2nd Level							
Average Rating	**2nd Level**					**6.17**	
3rd Level	G-1 TO G-2		X			7	
3rd Level	G-2 TO G-3		X			7	

Inspection Date: 08 / 2019	Inspector(s): TJ	EAST END ADDITION	Overall Veh. Barriers Rating:	6.51

Level	Location	Conc.	Steel	Cable	Wood	Veh. Barr. Rating:	Vehicle Barrier Notes:
3rd Level	G-3 TO G-4		X			7	
3rd Level	G-4 TO G-5		X			7	
3rd Level	SAGAMORE ENTRANCE					7	2 BOLLARDS
3rd Level	SOUTH WEST STAIR					7	2 BOLLARDS
3rd Level	NORTH EAST STAIR		X			7	8 BOLLARDS
3rd Level	B-8 TO B-9	X				7	
3rd Level	B-8 TO F-8 (EAST)	X		X		7	HAIRLINE CRACK
3rd Level	G-8 TO K-8 (EAST)	X		X		7	
3rd Level	K-8 TO K-9	X				7	
3rd Level	L-7 TO L-9	X				6	6' HAIRLINE CRACKS
3rd Level	L-9 TO L-10		X			7	RAIL BEHIND HEAVY RUSTING
3rd Level	B-7 TO B-8	X				7	
3rd Level	A-7 TO A-9	X				7	
3rd Level	A-6 TO B-6		X			7	
3rd Level	B-6 TO C-6		X			7	
3rd Level	C-6 TO D-6		X			7	
3rd Level	D-6 TO E-6		X			7	
3rd Level	E-6 TO F-6		X			7	
3rd Level	F-6 TO G-6		X			7	
3rd Level	B-8 TO F-8 (WEST)	X		X		7	
3rd Level	G-8 TO K-8 (WEST)	X		X		7	HAIRLINE CRACKS
3rd Level	K-7 TO K-8	X				7	
3rd Level	L-6 TO L-7		X			7	RAIL BEHIND RUSTING
3rd Level	L-5 TO G-5		X			6	FENCE AND GARAGE DOOR RUSTING
3rd Level	L-5 TO L-4	X		X		5	1 CABLE WITH 2" CUT IN SHEATHING & RUST ON CABLE, SLIGHT RUST
3rd Level	L-4 TO L-3	X		X		7	SLIGHT RUST
3rd Level	L-3 TO L-2					8	SLIGHT RUST
3rd Level	I.6-3 TO I.6-5 (SOUTH)	X		X		6	EFFLORESCENCE AT CAPS
3rd Level	I.6-3 TO I.6-5 (NORTH)	X		X		5	2 LOOSE CABLES
3rd Level	G-6 TO L-6	X				7	
3rd Level	K-8 TO J-8	X				7	
3rd Level	I-8 TO H-8	X				6	ONE CABLE BARRIER STRAND EXPOSED
Average Rating	**3rd Level**					**6.76**	
4th Level	SAGAMOR ENTRANCE					7	2 STEEL BOLLARDS
4th Level	SOUTH WEST STAIR					5	4 BOLLARDS - 2 REMOVED
4th Level	NORTH EAST STAIR		X			7	8 STEEL BOLLARDS
4th Level	B-8 TO B-9	X				7	
4th Level	B-8 TO F-8 (EAST)	X		X		6	20" SURFACE DELAMINATION
4th Level	G-8 TO K-8 (EAST)	X		X		7	
4th Level	K-8 TO K-9	X				7	RUST COMING THROUGH CONCRETE
4th Level	L-7 TO L-9	X				6	24 LF HAIRLINE CRACKS
4th Level	L-9 TO L-10		X			6	HANDRAIL RUSTING
4th Level	B-7 TO B-8	X				7	NO RAILING HERE
4th Level	A-7 TO A-9	X				6	
4th Level	A-6 TO B-6		X			7	
4th Level	B-6 TO C-6		X			7	
4th Level	C-6 TO D-6		X			7	
4th Level	D-6 TO E-6		X			7	
4th Level	E-6 TO F-6		X			7	
4th Level	F-6 TO G-6		X			7	
4th Level	B-8 TO F-8 (WEST)	X		X		7	
4th Level	G-8 TO K-8 (WEST)	X		X		7	HAIRLINE CRACK
4th Level	K-7 TO K-8	X				7	
4th Level	L-6 TO L-7		X			7	RAIL BEHIND RUSTING
4th Level	L-5 TO G-5		X			6	SOME RUST ON FENCE AND GARAGE DOORS
4th Level	L-5 TO L-4		X			7	
4th Level	L-4 TO L-3		X			6	MINOR RUST ON STEEL HANDRAIL
4th Level	L-3 TO L-2		X			7	

Inspection Date: 08 / 2019	Inspector(s): TJ	EAST END ADDITION	Overall Veh. Barriers Rating:	6.51

Level	Location	Conc.	Steel	Cable	Wood	Veh. Barr. Rating:	Vehicle Barrier Notes:
4th Level	I.6-3 TO I.6-5 (SOUTH)	X		X		7	
4th Level	I.6-3 TO I.6-5 (NORTH)	X		X		7	
4th Level	G-1 TO G-2		X			7	
4th Level	G-2 TO G-3		X			7	
4th Level	G-3 TO G-4		X			7	
4th Level	G-4 TO G-5		X			7	
4th Level	E-10 TO F-10 (HIGH)					6	WHEEL STOPS GOOD, APPEAR NEW
4th Level	D-10 TO E-10 (HIGH)					6	WHEEL STOPS GOOD, APPEAR NEW
4th Level	J-10 TO I-10 (HIGH)					6	WHEEL STOPS GOOD, APPEAR NEW
4th Level	H-8 TO G-8 (HIGH)					6	WHEEL STOPS GOOD, APPEAR NEW
4th Level	E-8 TO F-8 (HIGH)					6	WHEEL STOPS GOOD, APPEAR NEW
4th Level	D-8 TO E-8 (HIGH)					6	WHEEL STOPS GOOD, APPEAR NEW
4th Level	K-6 TO I-6 (HIGH)					6	WHEEL STOPS GOOD, APPEAR NEW
4th Level	F-8 TO D-8					6	WHEEL STOPS GOOD, APPEAR NEW
4th Level	C-8 TO D-8					6	WHEEL STOPS GOOD, APPEAR NEW
4th Level	I-6 TO G-6					6	WHEEL STOPS GOOD, APPEAR NEW
4th Level	H-8 TO G-8					6	WHEEL STOPS GOOD, APPEAR NEW
4th Level	EAST STAIR	X				5	7 BOLLARDS
Average Rating	**4th Level**					**6.51**	
5th Level	B-8 TO B-9	X				7	
5th Level	B-8 TO F-8 (EAST)	X		X		6	LIGHT LIGHT WATER STAINS AND EFFLORESCENCE FROM CABLE CAPSX
5th Level	G-8 TO K-8 (WEST)	X		X		7	
5th Level	K-8 TO K-9	X				6	6' HAIRLINE CRACKS, WATER STAINS
5th Level	L-7 TO L-9	X				6	25' HAIRLINE CRACKS, WATER STAINS
5th Level	L-9 TO L-10		X			7	RAILING BEHIND RUSTED
5th Level	B-7 TO B-8	X				7	
5th Level	A-7 TO A-9	X				6	39' HAIRLINE CRACKS, WATER STAINS
5th Level	A-6 TO B-6		X			7	
5th Level	B-6 TO C-6		X			7	
5th Level	C-6 TO D-6		X			7	
5th Level	D-6 TO E-6		X			7	
5th Level	E-6 TO F-6		X			7	HAIRLINE CRACK IN COLUMN
5th Level	F-6 TO G-6		X			7	
5th Level	B-8 TO F-8 (WEST)		X			6	SLIGHT EFFLORESCENCE AND RUST STAINS FROM CABLE CAPS, 6" RIP IN CABLE COATING WITH THE START OF RUST
5th Level	NORTH EAST STAIR	X		X		7	8 STEEL BOLLARDS
5th Level	G-8 TO K-8 (WEST)	X		X		7	
5th Level	K-7 TO K-8	X				7	
5th Level	L-6 TO L-7		X			7	RAIL BEHIND RUSTING
5th Level	A-7 TO A-6	X				6	4 LF HAIRLINE CRACKS
5th Level	L-5 TO L-4		X			6	RAIL BEHIND RUSTING
5th Level	L-4 TO L-3		X			6	RAIL BEHIND RUSTING
5th Level	L-3 TO L-2		X			6	RAIL BEHIND RUSTING
5th Level	SOUTH WEST STAIR		X			7	4 BOLLARDS
5th Level	I.G-3 TO I.G-5 (SOUTH)	X		X		7	1" RIP IN CABLE COATING
5th Level	I.G-3 TO I.G-5 (NORTH)	X		X		7	
5th Level	G-1 TO G-2		X			7	LIGHT RAILING RUST
5th Level	G-2 TO G-3		X			7	LIGHT RAILING RUST
5th Level	G-3 TO G-4		X			7	LIGHT RAILING RUST
5th Level	G-4 TO G-5		X			7	
5th Level	K-8 TO J-8	X				7	
5th Level	L-6 TO G-6	X				7	
5th Level	I.6-3 TO I.6-5	X				7	
Average Rating	**5th Level**					**6.73**	
6th Level	NORTH EAST STAIR		X			5	13 STEEL BOLLARDS, PEALING PAINT, 1 MISSING CAP
6th Level	A-9 TO A-10	X				6	6' HAIRLINE CRACKS, WO (PATCHED)
6th Level	B-8 TO B-9	X				6	12 LF HAIRLINE CRACKS
6th Level	B-8 TO F-8 (EAST)	X		X		6	SOME HAIRLINE CRACKS, EFFLORESCENCE AT CABLE CAPS
6th Level	G-8 TO K-8 (EAST)	X		X		6	SOME HAIRLINE CRACKS, CABLE COATING FAILED IN 2 6" SPOTS WITH RUST STARTING

Inspection Date: 08 / 2019	Inspector(s): TJ	EAST END ADDITION	Overall Veh. Barriers Rating:	6.51

Level	Location	Conc.	Steel	Cable	Wood	Veh. Barr. Rating:	Vehicle Barrier Notes:
6th Level	K-8 TO K-9	X				7	SOME MOSS
6th Level	K-9 TO L-9	X				7	
6th Level	L-10 TO L-9		X			7	GUARD RAIL GOOD, HAND RAIL BEHIND RUSTED
6th Level	E-6 TO E-8	X		X		6	12 LF HAIRLINE CRACKS WITH EFFLORESCENCE
6th Level	F-6 TO E-6		X			7	
6th Level	G-6 TO F-6		X			7	
6th Level	E-8 TO F-8 (WEST)	X		X		6	SOME HAIRLINE CRACKS, HEAVY EFFLORESCENCE AT CABLE CAPS, 1 CABLE HAS CRACKS IN COATING
6th Level	G-8 TO K-8 (WEST)	X		X		6	3 LF HAIRLINE CRACKS 1 LF WITH EFFLORESCENCE
6th Level	K-7 TO K-8	X				7	
6th Level	L-6 TO L-7		X			6	HAND RAIL BEHIND RUSTED
6th Level	L-5 TO L-4		X			6	SOME RUST ON HAND RAIL
6th Level	L-4 TO L-3		X			6	SOME RUST ON HAND RAIL
6th Level	L-3 TO L-2		X			6	SOME RUST ON HAND RAIL
6th Level	SOUTH WEST STAIR		X			6	8 STEEL BOLLARD, PEALING PAINT
6th Level	I.G-3 TO I.G-5 (SOUTH)	X		X		7	HAIRLINE CRACKS
6th Level	I.G-3 TO I.G-5 (NORTH)	X		X		7	
6th Level	G-1 TO G-2		X			7	
6th Level	G-2 TO G-3		X			7	
6th Level	G-3 TO G-4		X			7	
6th Level	G-4 TO G-5		X			7	
6th Level							
6th Level							
Average Rating	**6th Level**					**6.44**	

Inspection Date: 8 / 2019	Inspector(s): TJ	EAST END ADDITION	Overall Facade Rating:	**5.00**

Level	Facade Rating:	Facade Notes:
North	8	NORTH SIDE IS BETWEEN GARAGES
East	5	RUST AT RAIL, CRACKED PRECAST, HAIRLINE CRACK AT COLUMN
South	5	HAIRLINE CRACK, WATER PENETRATION AT WALL (PHOTO 46) HAIRLINE CRACK ON COLUMNS, CMU FACIAL CRACKS AT STAIRS (PHOTO 46) BORDERS THE SAGAMORE BUILDING.
West	5	RUST AT RAIL, CRACKS AT PRECAST, HAIRLINE CRACK ON COLUMNS, CRACK AT WEST WALL AT STAIR ENTRANCE

9 = not visible - partially or fully obstructed
8 = not applicable
7 = new condition, no deterioration, functioning as originally designed
6 = used to shade between 5 and 7
5 = minor deterioration, but functioning as originally designed
4 = used to shade between 3 and 5
3 = serious deterioration or not functioning as originally designed
2 = used to shade between 1 and 3
1 = completely deteriorated or in failed condition

Inspection Date: 05 / 25 / 2010	Inspector(s): RSL & JSS	EAST END ADDITION	Overall Drainage/ Plumbing Rating:	**6.00**

Level	Drainage Rating:	Drainage/Plumbing Notes:
Ground	6	Functioning as originally designed
2nd Level	6	Functioning as originally designed
3rd Level	6	Functioning as originally designed
4th Level	6	Functioning as originally designed
5th Level	6	Functioning as originally designed
6th Level	6	Functioning as originally designed

9 = not visible - partially or fully obstructed
8 = not applicable
7 = new condition, no deterioration, functioning as originally designed
6 = used to shade between 5 and 7
5 = minor deterioration, but functioning as originally designed
4 = used to shade between 3 and 5
3 = serious deterioration or not functioning as originally designed
2 = used to shade between 1 and 3
1 = completely deteriorated or in failed condition

Inspection Date: 05 / 25 / 2010	Inspector(s): RSL & JSS	EAST END ADDITION	Overall Mechanical Rating:	**6.00**

Level	Mechanical Rating:	Mechanical Notes:
Ground	6	Functioning as originally designed
2nd Level	6	Functioning as originally designed
3rd Level	6	Functioning as originally designed
4th Level	6	Functioning as originally designed
5th Level	6	Functioning as originally designed
6th Level	6	Functioning as originally designed

9 = not visible - partially or fully obstructed
8 = not applicable
7 = new condition, no deterioration, functioning as originally designed
6 = used to shade between 5 and 7
5 = minor deterioration, but functioning as originally designed
4 = used to shade between 3 and 5
3 = serious deterioration or not functioning as originally designed
2 = used to shade between 1 and 3
1 = completely deteriorated or in failed condition

Inspection Date: 05 / 28 / 2010	Inspector(s): VP	EAST END ADDITION	Overall Electrical Rating:	4.83

Level	Lighting & Elec. Rating:	Lighting and Electrical Notes:
Ground	4	Signs not lit for entrance and exit
2nd Level	5	Light fixtures out
3rd Level	5	Light fixtures out
4th Level	5	Light fixtures out
5th Level	5	Light fixtures out
6th Level	5	Light fixtures out

9 = not visible - partially or fully obstructed
8 = not applicable
7 = new condition, no deterioration, functioning as originally designed
6 = used to shade between 5 and 7
5 = minor deterioration, but functioning as originally designed
4 = used to shade between 3 and 5
3 = serious deterioration or not functioning as originally designed
2 = used to shade between 1 and 3
1 = completely deteriorated or in failed condition

Inspection Date: 05 / 25 / 2010	Inspector(s): RSL & JSS	EAST END ADDITION	Overall Fire Protection Rating:	6.00

Level	Fire Protection	Fire Protection Notes:
Ground	6	Functioning as originally designed
2nd Level	6	Functioning as originally designed
3rd Level	6	Functioning as originally designed
4th Level	6	Functioning as originally designed
5th Level	6	Functioning as originally designed
6th Level	6	Functioning as originally designed

9 = not visible - partially or fully obstructed
8 = not applicable
7 = new condition, no deterioration, functioning as originally designed
6 = used to shade between 5 and 7
5 = minor deterioration, but functioning as originally designed
4 = used to shade between 3 and 5
3 = serious deterioration or not functioning as originally designed
2 = used to shade between 1 and 3
1 = completely deteriorated or in failed condition

Inspection Date: 08 / 10 / 2019	Inspector(s): TJ	EAST END ADDITION	Overall Elevator Enclosure Rating:	5.18

Location	Level	Elev. Encl. Rating:	Elevator Enclosure Notes:
Northeast	1	5	STEP CRACKING IN MASONRY JOINT, SOME MINOR MOISTURE ON PIT FLOOR
Northeast	2	6	ALSO SEE STAIR NOTES
Northeast	3	5	MINOR MOISTURE AT BASE OF WINDOW, ALSO SEE STAIR NOTES
Northeast	4	6	ALSO SEE STAIR NOTES
Northeast	5	6	ALSO SEE STAIR NOTES
Northeast	6	5	MOISTURE AND EFFLORESCENCE ON CMU ENCLSOURE AT ROOF LEVEL
Northeast			
Northeast			
Average Rating Northeast		**5.50**	
Southwest	1	8	
Southwest	2	5	MOISTURE BUILDUP EVIDENT AT WINDOWS, GASKETS COMPROMISED, ORGANIC GROWTH OCCURING AT SOME LOCATIONS
Southwest	3	5	MOISTURE BUILDUP EVIDENT AT WINDOWS, GASKETS COMPROMISED, ORGANIC GROWTH OCCURING AT SOME LOCATIONS
Southwest	4	5	MOISTURE BUILDUP EVIDENT AT WINDOWS, GASKETS COMPROMISED, ORGANIC GROWTH OCCURING AT SOME LOCATIONS
Southwest	5	5	MOISTURE BUILDUP EVIDENT AT WINDOWS, GASKETS COMPROMISED, ORGANIC GROWTH OCCURING AT SOME LOCATIONS
Southwest	6	4	SIGNIFICANT MOISTURE AND EFFLORESCENCE ON CMU BLOCK ENCLOSURE, MOISTURE BUILDUP EVIDENT
Southwest			
Southwest			
Average Rating Southwest		**4.8**	

Inspection Date: 08 / 2019	Inspector(s): TJ	EAST END ADDITION	Overall Signage Rating:	5.00

Level	Signage Rating:	Signage Notes:
Ground	5	"NO PARKING" SIGN @ 59 FADED.
2nd Level	5	NW STAIRWELL SIGN IS BIT ROUGH. INFORMATION SIGNS @ STAIRWELL NOT HANGING.
3rd Level	5	INFO. SIGN @ STAIRWELL NE NOT HANGING.
4th Level	5	INFO. SIGN @ STAIRWELL NE NOT HANGING. STAIRWELL SIGN IS ROUGH
5th Level	5	INFO. SIGN @ STAIRWELL NE NOT HANGING.
6th Level	5	6 FADED "LVL 6" SIGNS. 2 BENT EXIT SIGNS.

9 = not visible - partially or fully obstructed
8 = not applicable
7 = new condition, no deterioration, functioning
6 = used to shade between 5 and 7
5 = minor deterioration, but functioning as origir
4 = used to shade between 3 and 5
3 = serious deterioration or not fu
2 = used to shade between 1 an
1 = completely deteriorated or in

CITY OF ROCHESTER PARKING GARAGE C.I.P. (5 YEAR PLAN)

EAST END PARKING GARAGE	ESTIMATED COST:					
REPAIR ITEMS:	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5-YEAR TOTAL
POST-TENSION INVESTIGATION AND REPAIR	$ -	$ -	$ -	$ -	$ -	**$ -**
CONCRETE REPAIRS TO BEAMS & COLUMNS	$ -	$ 15,000.00	$ -	$ -	$ -	**$ 15,000.00**
SEAL DECK IN ADDITION	$ 150,000.00	$ -	$ -	$ -	$ -	**$ 150,000.00**
WATERPROOF DECK IN ORIGINAL STRUCTURE	$ -	$ -	$ -	$ -	$ -	**$ -**
CONCRETE REPAIR TO STRUCTURAL DECK	$ 10,000.00	$ 20,000.00	$ -	$ -	$ -	**$ 30,000.00**
EXPANSION JOINT REPLACEMENT	$ -	$ 20,000.00	$ -	$ -	$ -	**$ 20,000.00**
COVE / VERTICAL / HORIZONTAL SEALANT	$ 20,000.00	$ -	$ -	$ -	$ -	**$ 20,000.00**
BARRIER CABLE / BOLLARD REPAIR / WHEELSTOPS / CURBS / REVENUE CONTROL MISC. WORK	$ -	$ -	$ -	$ -	$ -	**$ -**
CONCRETE REPAIRS TO FAÇADE	$ -	$ -	$ -	$ 30,000.00	$ -	**$ 30,000.00**
STAIR LANDING REPAIR/NOSING REPLACEMENT	$ -	$ 10,000.00	$ -	$ -	$ -	**$ 10,000.00**
CLEAN AND PAINT LIGHT POLES, RAILINGS & FAÇADE FENCING	$ -	$ 5,000.00	$ -	$ 65,000.00	$ -	**$ 70,000.00**
REPLACE GARAGE ENTRANCE / EXIT SIGNAGE	$ -	$ -	$ -	$ -	$ -	**$ -**
MECHANICAL SYSTEM REPAIRS / REPLACE	$ -	$ -	$ -	$ 40,000.00	$ -	**$ 40,000.00**
UPDATE GARAGE LEVEL, STAIRWAY, TRAFFIC & STRIPING SIGNAGE	$ -	$ 40,000.00	$ -	$ -	$ -	**$ 40,000.00**
DOORS / HARDWARE	$ -	$ -	$ -	$ -	$ -	**$ -**
MASONRY REPAIR	$ -	$ -	$ -	$ -	$ -	**$ -**
ROOFING REPAIRS	$ -	$ -	$ -	$ -	$ -	**$ -**
PLUMBING, DRAINAGE REPAIR / REPLACEMENT	$ -	$ -	$ -	$ 10,000.00	$ -	**$ 10,000.00**
ELECTRICAL REPAIRS, LIGHTING, EXIT SIGNAGE, MISC	$ -	$ -	$ -	$ -	$ -	**$ -**
ARCHITECTURAL ELEMENTS/PIGEON CONTROL	$ 45,000.00	$ -	$ -	$ -	$ -	**$ 45,000.00**
ELEVATOR REPLACEMENTS (1) AT S. SCIO / (1) AT SWAN	$ -	$ 448,000.00	$ -	$ -	$ -	**$ 448,000.00**
	2022 TOTAL	2023 TOTAL	2024 TOTAL	2025 TOTAL	2026 TOTAL	OVERALL TOTAL
EAST END SUB TOTAL	$ 225,000.00	$ 558,000.00	$ -	$ 145,000.00	$ -	$ 928,000.00
DESIGN / CONTINGENCY / RPR	$ 83,250.00	$ 206,460.00	$ 79,000.00	$ 53,650.00	$ -	$ 422,360.00
EAST END TOTAL	**$ 308,250.00**	**$ 764,460.00**	**$ 79,000.00**	**$ 198,650.00**	**$ -**	**$ 1,350,360.00**

RED = HIGH PRIORITY

BLUE = MEDIUM PRIORITY

GREEN = LOW PRIORITY

Category	System/Component	Maintenance Requirements & Comments
Attached Structures & Utility Easements	OmniPoint Rooftop Lease - 2009 cellular antenna attached to garage	City Parking Agreement
	Rochester District Heating Coop. (RDH) steam pipe under garage	
Structural/Waterproofing/ Architectural Systems	Concrete columns, beams and decks, post tensioned reinforcing systems	Periodic maintenance, inspection and repair in compliance with NYS Rule Text 1203.3 (parking) and City Fire Marshal Garage Operating Permit Requirements
	Expansion joints, concrete sealer, waterproofing membranes, roofing systems	
	Wall, stairs, vehicle barriers and wheel stops, exterior masonry/metals, fence/railings, joints and sealants, doors and hardware, interior office, finishes and fixtures, wayfinding signage, ADA accessibility ramps	
Plumbing Systems and Fixtures	Water system, wash-down system booster pump, drainage systems, sump pumps, office toilet rooms	Maintain in compliance with Property Maintenance Code of New York State
Electrical Systems	Electrical system and equipment	Maintain in compliance with Property Maintenance Code of New York State
	Fluorescent garage & LED exterior lighting fixtures	
	Lighting Control System - Cooper Greengate Garage, non-network (2016)	
	EV Charging Stations: 2 stations, 2 ports ChargePoint (2014)	City/ChargePoint network agreement. Coordinate with City/DEQ.
HVAC Systems	Heating and cooling units, AC condensers, exhaust fans - office, elevator machine rooms and mechanical rooms	Maintain in compliance with Property Maintenance Code of New York State
Fire Protection & Life Safety Systems	Fire alarm control panel/master call box and antenna to RFD	Maintenance, inspection and testing in compliance with Fire Code of New York State and City Code Chapter 54
	Fire and carbon dioxide detectors	
	Fire-extinguishing system and fire department connection	
	Emergency lighting and exit signs	
	Emergency backup power systems - 20 kw natural gas generator	

Network Systems	City/IT network service Radio and Antenna	Coordinate network service with City/IT
	City/IT network equipment: network switches, UPS systems, phones, computers, printers	Coordinate network equipment with City/IT
Security/Access and Control Systems	Revenue control system (City-network)	Coordinate network service with City/IT
	Garage surveillance camera system (non-network)	
Elevators	3 Otis Gen2 traction elevators - Main St. and N. Scio (2016) 2 hydraulic elevators - Swan and S. Scio (1991)	Maintenance, inspection and testing in compliance with ASME A17.1 and City Code Chapter 50