

Resolution No. 210581

TIO Committee Meeting
July 21, 2021



General Services Presentation

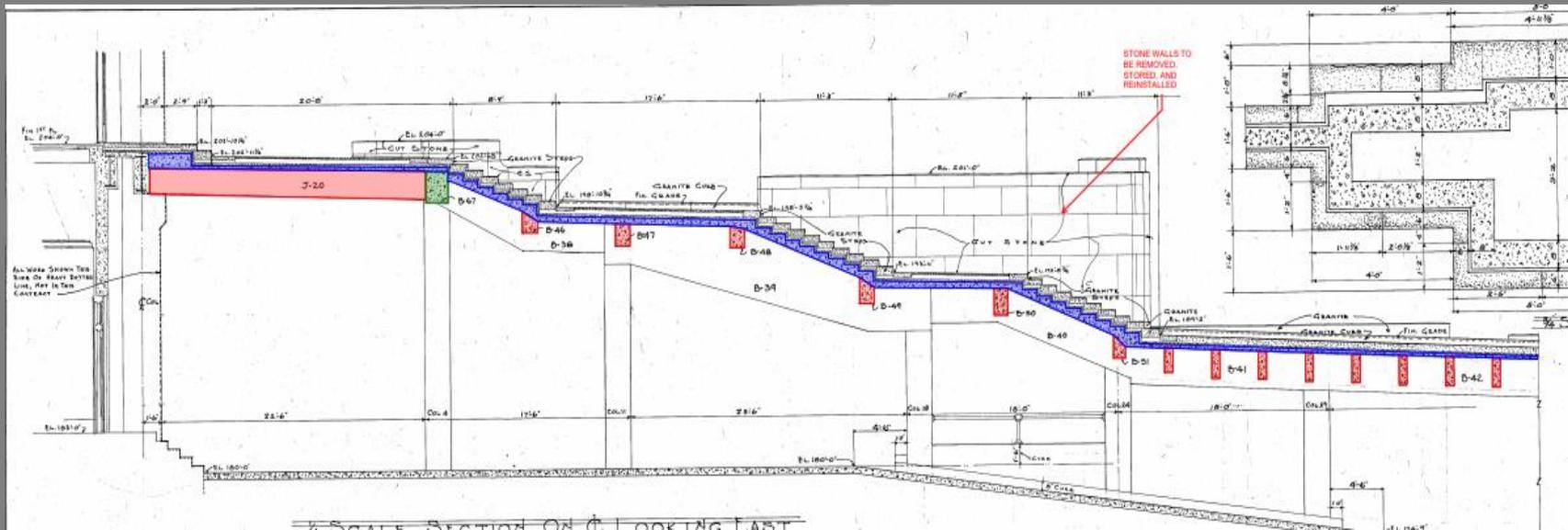
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City Hall Parking Garage (CHPG) Condition Update & Various Repair/Replacement Cost Options

Option One: \$5 Million

Repair/Restore CH Parking Garage and Plaza Waterproofing Extends Life 25+ years



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City Hall Parking Garage (CHPG) Condition Update & Various Repair/Replacement Cost Options

Option Three: \$39 Million

**New Garage, Plaza and South Entrance
Vestibule with ADA Access to South
Entrance; Replace Porch and Main Stairs
Extends Life 60+ years**



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Additional Potential City Hall Life Safety Repairs/Improvements

Replace / repair 65 HVAC Air Handlers - \$3.75 Million

Add Fire Suppression 21 Floors - \$10.5 Million

Core Plumbing Piping Replacement - \$3.5 Million

Elevator cabling/infrastructure - \$2.5 Million

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Next Steps

- Engage a consultant for municipal building critical repair assessment
- Prioritize repairs in correlation with funding
- Digital database to monitor building conditions in real time

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Building Code

International Building Code

Construction Standards

Not a Maintenance Code

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Recurring Structural Inspections

Current Requirements

Owner to submit Engineer's Report on Structural Adequacy Every 5 Years

- Occupied Underground Spaces (Caves)
- Radio/Television Towers
- Multi-Level Parking Structures (Beginning 15th year)

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Climatic/Environmental Considerations

KANSAS CITY DOES NOT HAVE:

High seismic activity

Hurricanes

Coastal Effects – Salt air, wave action

KANSAS CITY DOES HAVE:

Tornados

Multiple Freeze/Thaw Cycles

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Building Types

Highrise

Concrete Frame

Steel Frame

Heavy Timber

Masonry (w Heavy Timber/Wood Frame)

Wood Frame

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Potential Expansion in Recurring/Periodic Inspections

- Un-reinforced masonry Structures
- Privately Owned Pedestrian Bridges over Public Ways.
- Retaining walls over a certain height?
- Exterior stairs on buildings over a certain number of stories.
- Balconies on buildings over a certain height or certain size.

Stakeholder Panel Recommendation

Stakeholder group including:

- Building Owners
- Structural Engineers
- Architects

Tasks:

- Review Current KCMO Requirements for Existing Buildings
- Examples from other Cities
- Potential Changes Applicable to both Publicly and Privately Owned Structures
- Identify Time and Cost Factors associated with revised standards.



Questions / Comments / Thank You



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