



Belle Isle Park Infrastructure Update

May 19, 2022 Detroit, MI





Belle Isle Boathouse Assessment

- 4/29/2022 Phase 1 assessment submittal.
 - No Access Recommendation
- Phase 2 to determine critical work scope of required to permit building use.
- Hazardous Material Testing Report.



Boathouse Ceiling failure location

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Belle Isle Boathouse Assessment

Phase 1 Findings

- The concrete roofs, floors and terraces are found to have areas that have deteriorated to a point of being unsafe.
- Point of entries, not safe, nor sufficient to meet code.
- Northeast terrace wall is unstable and may damage main building if not addressed.



Photo No. 2 – Roof slab over Bar 318.



Concrete roof/floor structure exhibits deterioration throughout building



Belle Isle Boathouse Assessment



Photo No. 1 – Roof slab above Lounge 319. Rusted reinforcing and spalled concrete. Note newer red steel.



Photo No. 10 – Terrace roof slab with rusted rebar, spalled concrete.



Photo No. 3 – Bottom chord wood truss over Conference reinforcement. Note knife in rotted wood.

Interior and exterior roof deterioration

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Photo No. 8 – Failed terrace slab viewed from topside.

Building envelope deterioration



Photo No. 13 – North terrace, east end, exterior wall



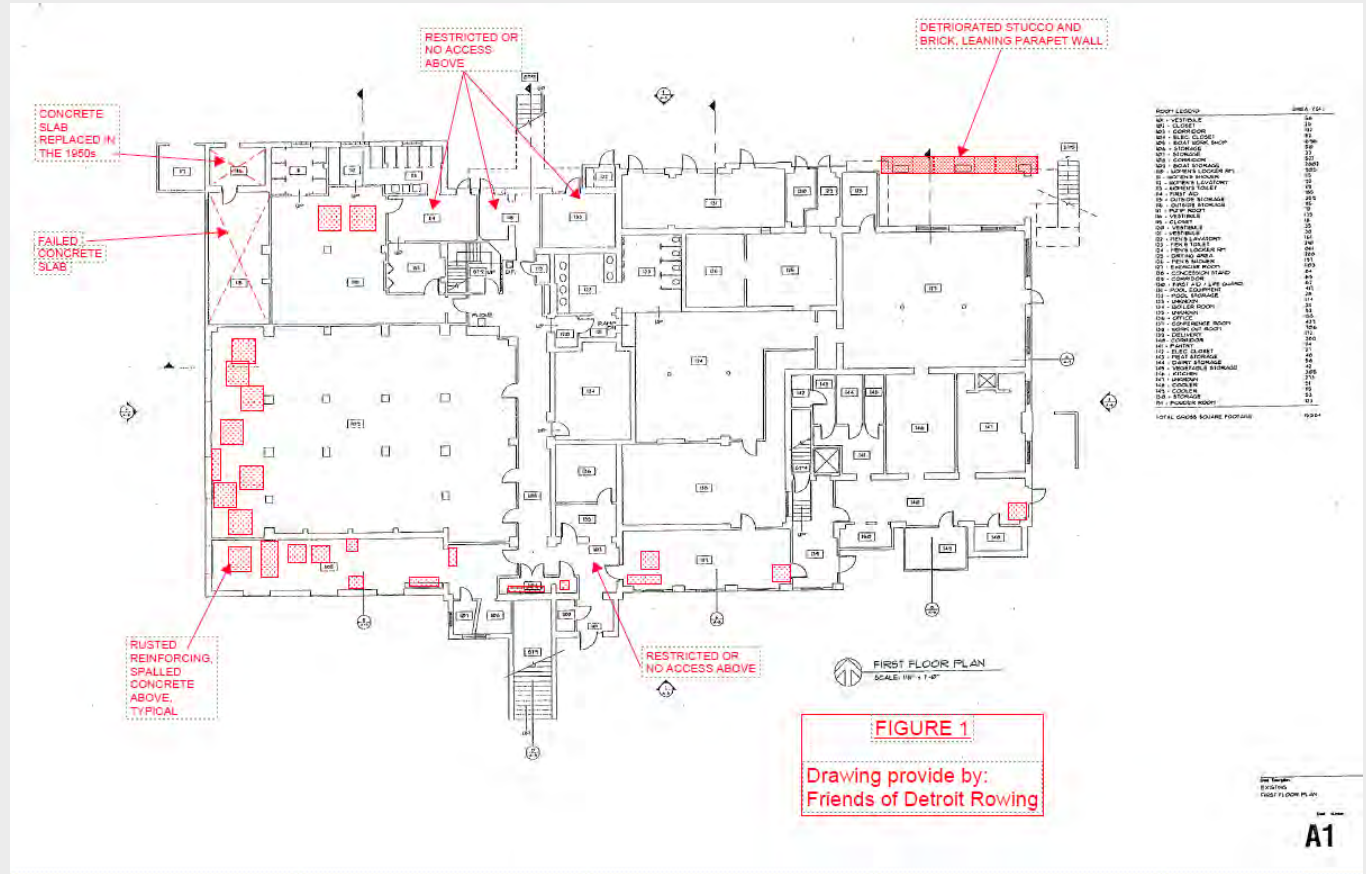
Photo No. 15 – Hole in first floor slab under the north terrace, east end.

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Belle Isle Boathouse Assessment, Phase 2 Assessment

- Cost to stabilize the structure, not allow for access.
- Cost to stabilize the building and have restricted occupancy within the building.
- Complete restoration of the Building (No site restoration).
- Replace or modify one of the existing bridges to allow construction equipment access to the island.



Areas of deterioration in concrete slabs throughout the building



Belle Isle Athletic Shelter



Veranda Railing is the final task for current Athletic Shelter Contract

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Belle Isle Athletic Shelter



Two new finials installed on building cupolas, original finial on center cupola



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