



The Department of Natural Resources
PARKS AND RECREATION DIVISION

BELLE ISLE PARK

INFRASTRUCTURE UPDATE, October 17, 2019

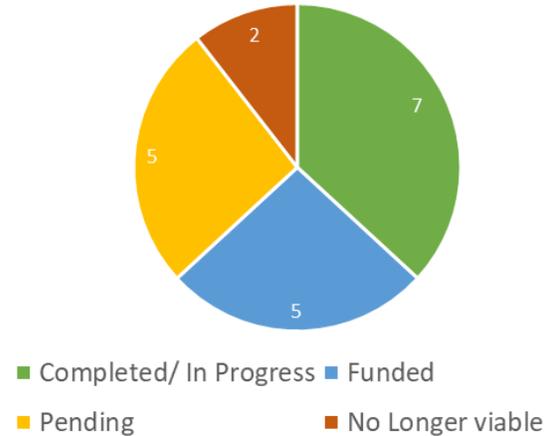


Belle Isle Park Fiscal Year 2020 Capital Projects

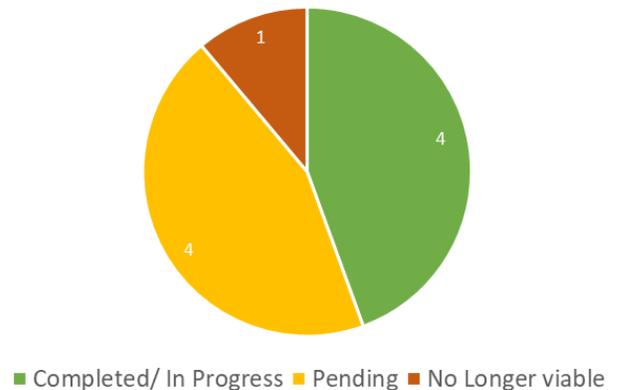
Total FY 2020 Budget
\$1,700,000
State General Funds
\$1,250,000
Belle Isle Park Revenue
\$450,000

1. Pump House and Shoreline Stabilization Assessment - \$200,000
2. New Boiler to Service Belle Isle Aquarium and Conservatory - \$200,000
3. Construction for Site Improvements of Park HQ - \$250,000
4. Flynn Pavilion Improvements - \$125,000
5. Roof Replacement for Athletic Shelter & Handball Roof Removal - \$825,000
6. Belle Isle Park Master Plan, to be completed in coordination with traffic planning study \$100,000

Priority 1 Project Status, July 2019



Priority 2 Project Status, July 2019



Belle Isle Strategic Management Plan Infrastructure Investment Summary

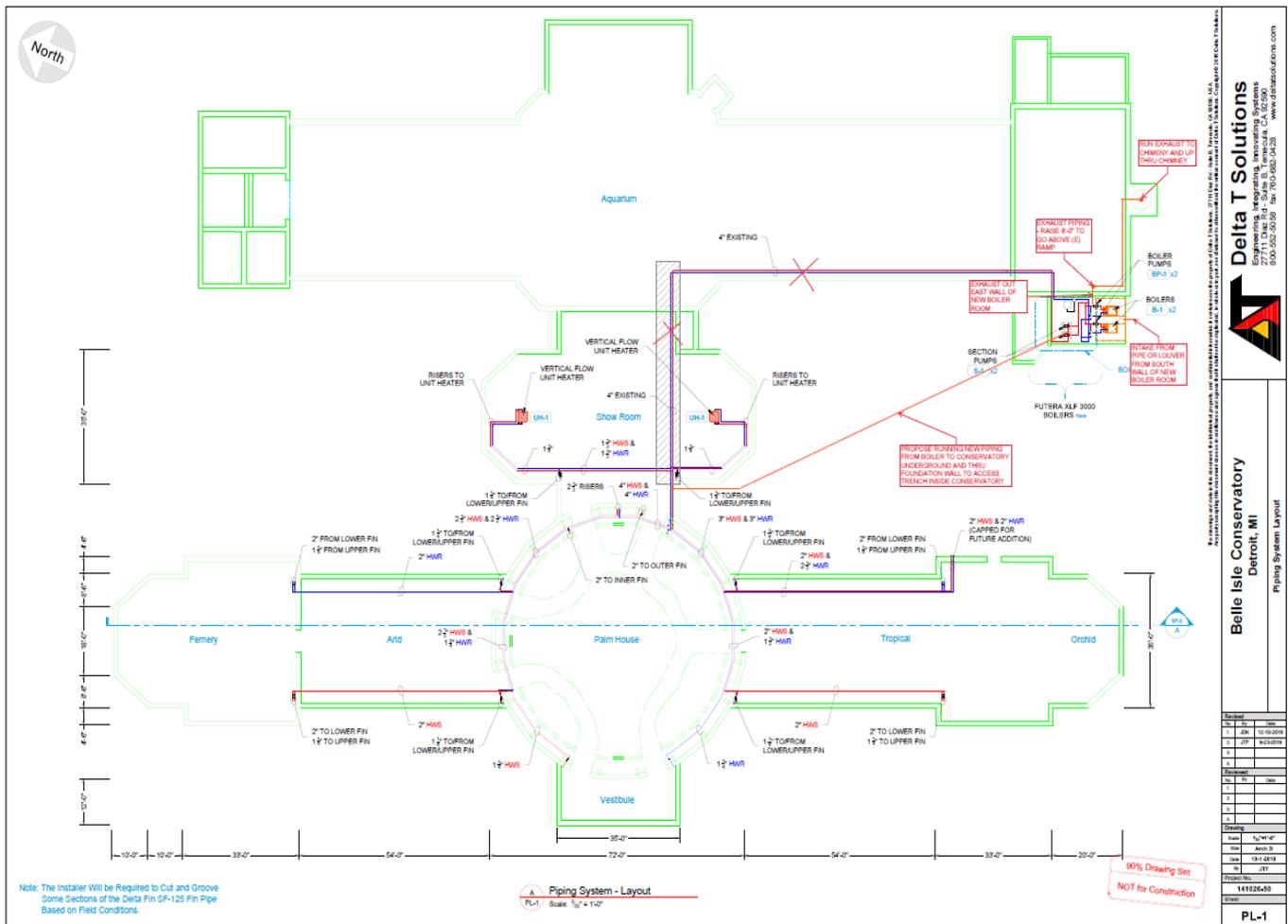
- 100 % of Top Priority Projects (viable) have been addressed since 2018
- More than \$45,303,450 has been invested in infrastructure from FY 2014 to FY2019
- Funding made up of public and private funds

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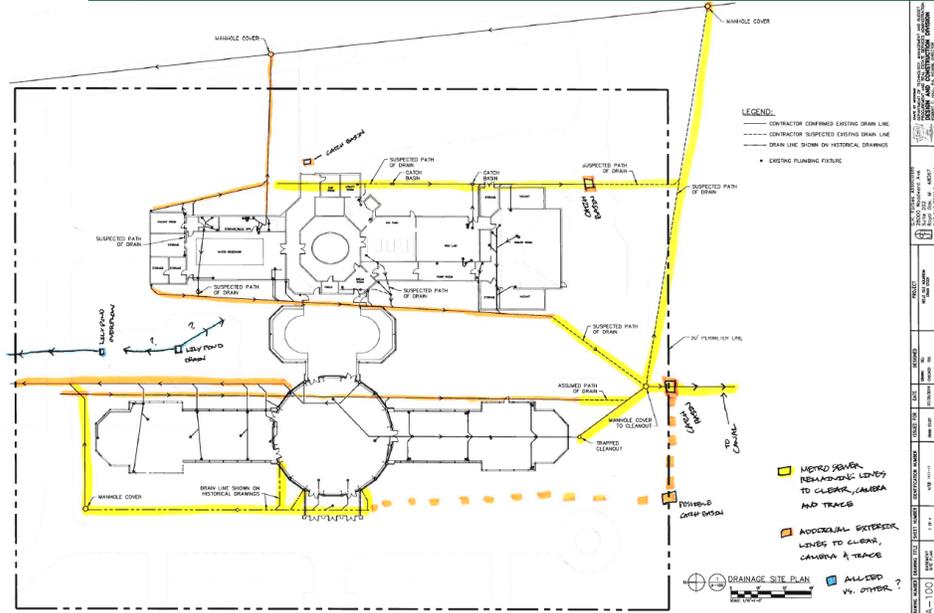
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Anna Scripps Whitcomb Conservatory

- **Structural Repairs:** Mock-up for upper dome glass replacement is Monday, October 28th.
- **Boiler Replacement:** Will be installed this fall to supplement existing 2 serving the BIA and ASWC.
- **Garden ADA Access:** WTA contractor on site to perform survey site work for ADA Accessible design to ASWC Garden from West Gate.
- **Heating and Ventilation Design for ASWC:** Consultants are currently reviewing 3 different control options with the horticultural/stewardship staff.



Proposed Boiler Room Connection for ASWC



Belle Isle Aquarium and Conservatory Drainage Study

- Contractor will complete additional investigative work.
- Exterior lateral lines will be investigated under DWSD contract.



Belle Isle Aquarium Geothermal Feasibility Study Update

Drilling for the test well has begun and contractor is anticipated to be on site for the next 2-3 weeks. During the testing operations, the main entrance sidewalk to the BIA is anticipated to be open.



The contractor has set up site protection measures that include storm drain blockers, mats for the drill rig to protect the grass, a water tank, and spill/overflow prevention measures.

This week the crew drilled to 85 feet and were just starting to get into bedrock at this depth. There were no gasses or artesian conditions at this time. Before leaving the site the crew plugged the casing with a compressed air expandable plug to prevent any gas that may be in the boring from

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The Detroit River Boating Access Study

- Report recommends multi-pronged approach to addressing BAS needs will require inter-agency coordination.
- Current BAS facilities do not meet the local need as there is only 1 public BAS within a 5 mile radius of Downtown Detroit.
- 3 of the 83 Michigan counties around the study area account for over 20% of all registered boats in the state.
- DNR Fisheries project that native fish population increases will spur increased fishing access.
- Report provided Immediate, short-term and long-term improvements to increase BAS access.



Belle Isle Park Utility Partnerships

DWSD Contract Work

- Inspection of sewer lines to be completed this week. SAW Grant work will be completed in December 2019.
- The balance of water and sewer lines will be inspected and cleaned under a separate contract funded by UTGO bond funds.
- GSD secured UTGO bonds for Belle Isle Assessment.
- UTGO work will begin in November.

DTE Contract Work

- Rauhorn continues to install the transformer boxes round the park.
- Transformer installatoin should be complete by December 2019.
- Rauhorn, DTE's contractor will donate native wildlife habitat planting at ADA playground this fall.





Boat House Assessment

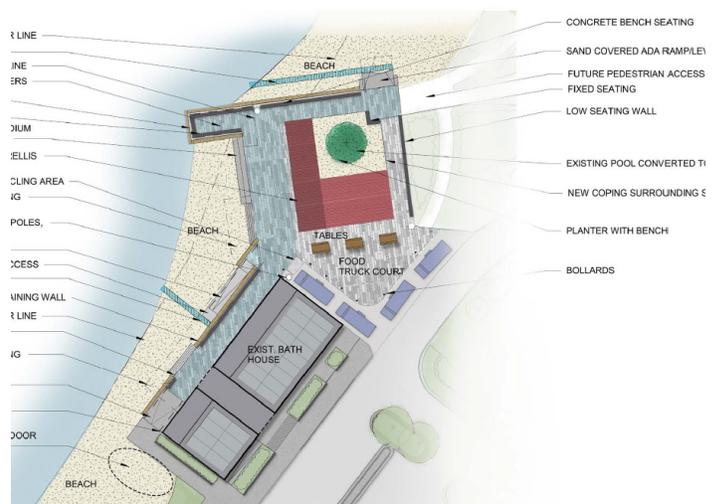
- Vision and Goals workshop Tuesday, October 22nd.

Lake Okonoka Habitat Restoration

- Culvert Construction scheduled mid-November – December 2019.
- FODR will work with USACE and EGLE to permit additional fill around Lake Okonoka and Nashua Canal stop log structure.
- Final Asphalt paving for strand and Woodside scheduled for Spring 2020.

Beach Area Improvements

- BIC presented schematic plans at the annual BIC Polish the Jewel Event.
- Quinn Evans completed schematic design and graphics for the Food Truck Court Patio improvements at the former waterslide deck.
- Quinn Evans will be supervising contractor, FH Martin to remove water slide footings and clean up pool edges to ensure deck is ADA compliant and may be opened to the public prior to improvements.
- Quinn Evans will finalize the bath house assessment report. The civil engineers requested that water pressure tests be completed for the building. Water pressure tests will be complete by AE Com's sub contractor through the DWSD contract funded by UTGO bonds.



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James Scott Memorial Fountain

- DNR/BIC in process of purchasing original plan set of James Scott Memorial Fountain Plans and Construction photos. The Library of Congress recieved the BIC's check this week. The project team is excitidly awaiting access to these documents.
- Engineers reviewing weir structural repairs required and the functionality of the wier that was constructed to take the founatin 'off-line' of the basin. The design team would like to review cost-effective alternatives to reconstruc-tion the floor of the weir.
- The balance of funds to address the Scott Fountain repairs is \$87,000. This amount was raised at the 2019 Grand Prixmiere event.



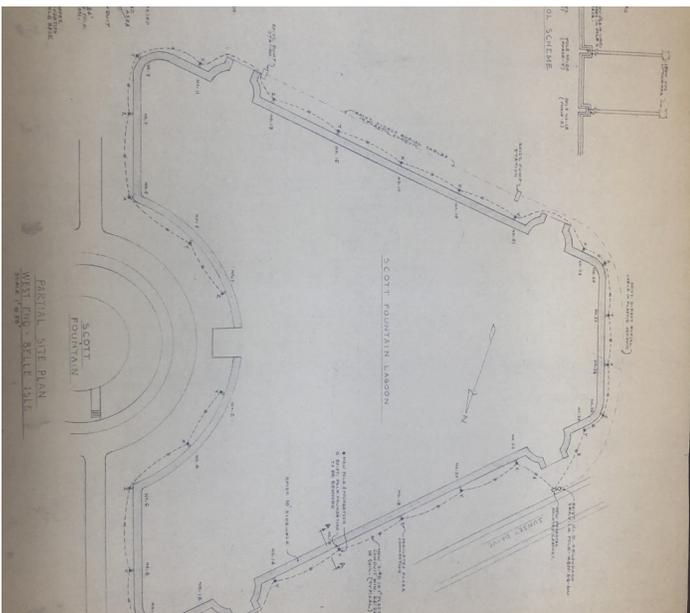
Iron Belle Trail Development

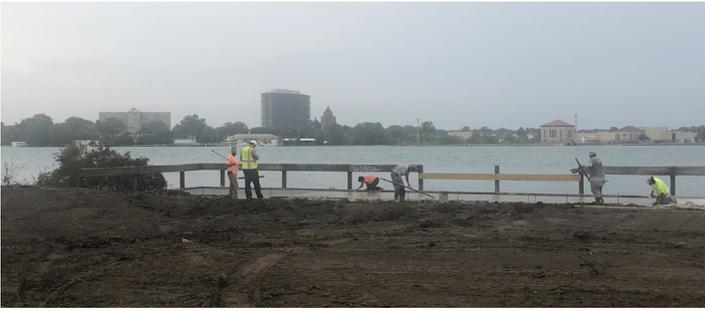
Iron Belle Trailhead

- PRD Park, PRD Trails and Detroit Design Center met to plan Community Engagement.
- Public Meeting will take place Tuesday, November 12th, followed by Stakeholder Meeting at Detroit Design Center Studio.

Iron Belle Trail

- DNR staff and the Design Consultant reviewed the trail layout with MDOT's Pedestrian and Bicycle Coordinator/Specialst this week.
- MDOT's recomendation is to ensure the safety of pedestrians and bicyclists are protected with standard signage for vehicles to stop/yeild to trail users.





North Shoreline Fishing Improvements

- A new concrete has been poured to and new concrete curbs have been installed for ADA Parking area.
- New drainage and grading is currently being installed.
- Railing is on site ready for installation.
- Project should be completed by the end of October.

Athletic Field Handball Courts

- FY 2020 Funding has been approved to fill gap in budget balance for additional scope of work required to address the deteriorated roof structure.
- Contractor is reviewing the revised bulletin and will provide an updated schedule within the next week.



Lake Okonoka Shelter and Playground Improvements

- The Contractor has reviewed the current site conditions and have found that the project site is still inundated with ground water.
- The contractor will review alternative methods with installer for installing concrete footings in wet conditions.
- Project still on hold at this time.

