



LEE CHARLES MILLER BIRD REFUGE
**TRAIL ACCESS IMPROVEMENTS &
HISTORIC STRUCTURES
PRESERVATION**

David Foster – Alta Planning + Design
Lewis Kogan – SLC Trails & Natural Lands
Stephanie Toombs – SLC Engineering

INTRODUCTION



Park History

- Established 1935
- WPA / CCC masonry structures date to 1935 – 1946
- Exchange for Laird Park property 1945
- Park alterations 1985, 1987, 1992 & 2014

Current Project

- Constituent-Submitted Capital Improvement Project – approved FY18
- Project goals: Protection of WPA walls and expansion of “ADA accessibility”
- Project concept proposal: bridge & boardwalk, DH relocation of trail segment
- Project funding

OVERARCHING MANAGEMENT GOALS



Management Goals

1. Preserve character of park as urban sanctuary
2. Provide & protect habitat for birds and animals
3. Protect natural stream function, water quality and stream-side vegetation
4. Protect and highlight historic features
5. Protect quality of visitor experience
6. Encourage public enjoyment and stewardship of natural features
7. Minimize impacts on adjoining property owners

OVERARCHING MANAGEMENT GOALS



Project Status

- Alta Planning + Design selected for project evaluation & cost analysis
- Stakeholder walking tour (October 23, 2019)
- Park-wide evaluation of accessibility issues & structural threats to historic features
- Recommended interventions with associated costs and impacts

EXISTING CONDITIONS ANALYSIS



ACCESS ISSUES

- Steep cross slopes

EXISTING CONDITIONS ANALYSIS



ACCESS ISSUES

- Steep cross slopes
- Steep running slopes and stairs

EXISTING CONDITIONS ANALYSIS



ACCESS ISSUES

- Steep cross slopes
- Steep running slopes and stairs
- Narrow tread widths

EXISTING CONDITIONS ANALYSIS



STRUCTURAL/GEOTECHNICAL ANALYSIS

- Failing walls

EXISTING CONDITIONS ANALYSIS



STRUCTURAL/GEOTECHNICAL ANALYSIS

- Failing walls
- Off-site drainage issues

EXISTING CONDITIONS ANALYSIS



STRUCTURAL/GEOTECHNICAL ANALYSIS

- Failing walls
- Off-site drainage issues
- Structural loading above walls

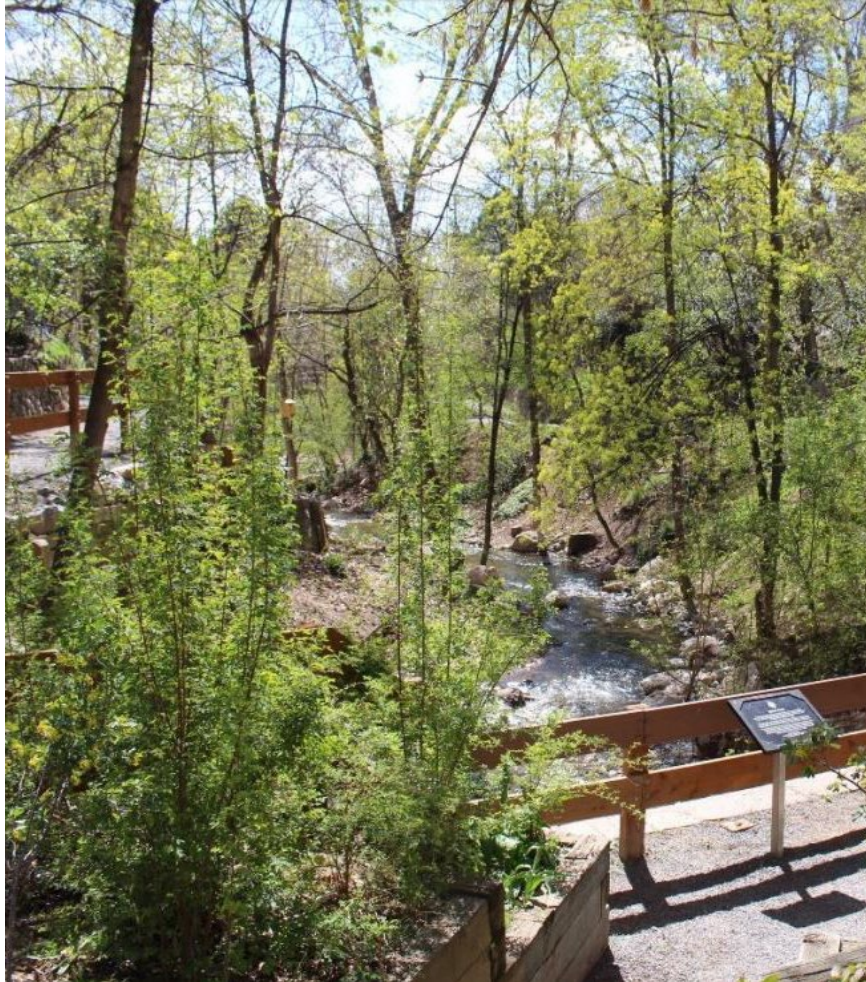
EXISTING CONDITIONS ANALYSIS



STRUCTURAL/GEOTECHNICAL ANALYSIS

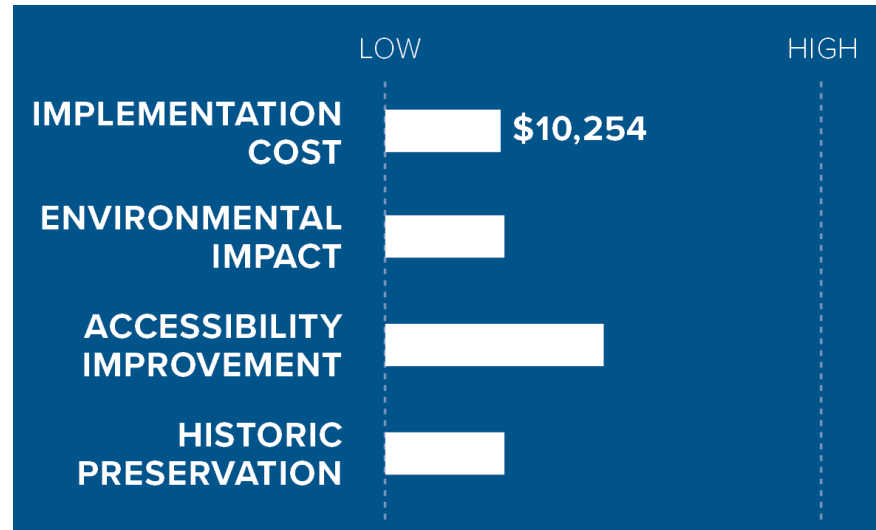
- Failing walls
- Off-site drainage issues
- Structural loading above walls
- Exposed or undercut wall foundations

POTENTIAL IMPROVEMENTS



PROJECT EVALUATION CRITERIA

- Implementation cost
- Environmental impact
- Accessibility improvement
- Historic preservation



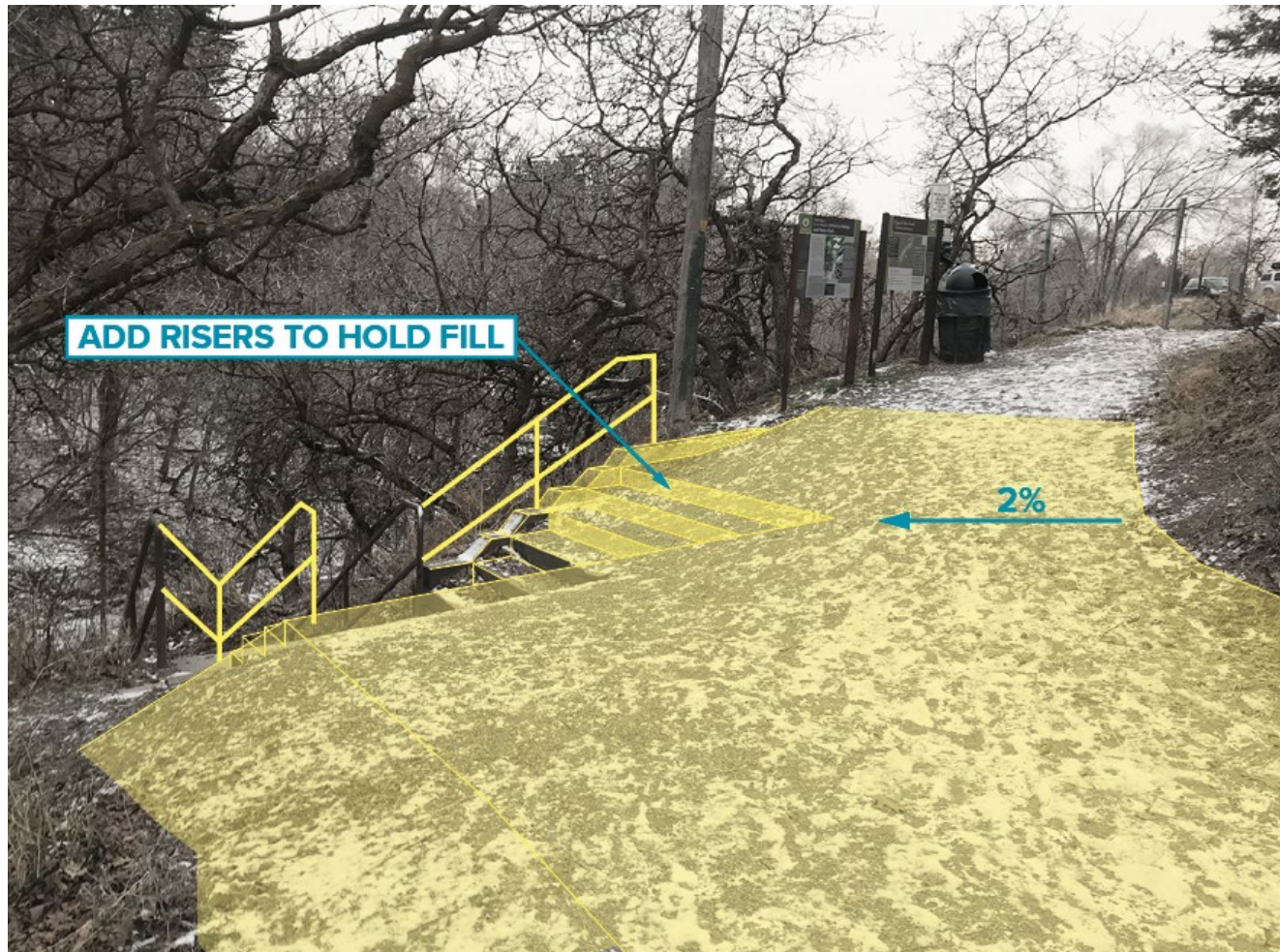
POTENTIAL IMPROVEMENTS



EXAMPLE PROJECT: BONNEVIEW DRIVE ACCESS

- Add curb cut and ramp from Bonneview Drive
- Provides wheelchair accessible entrance into park

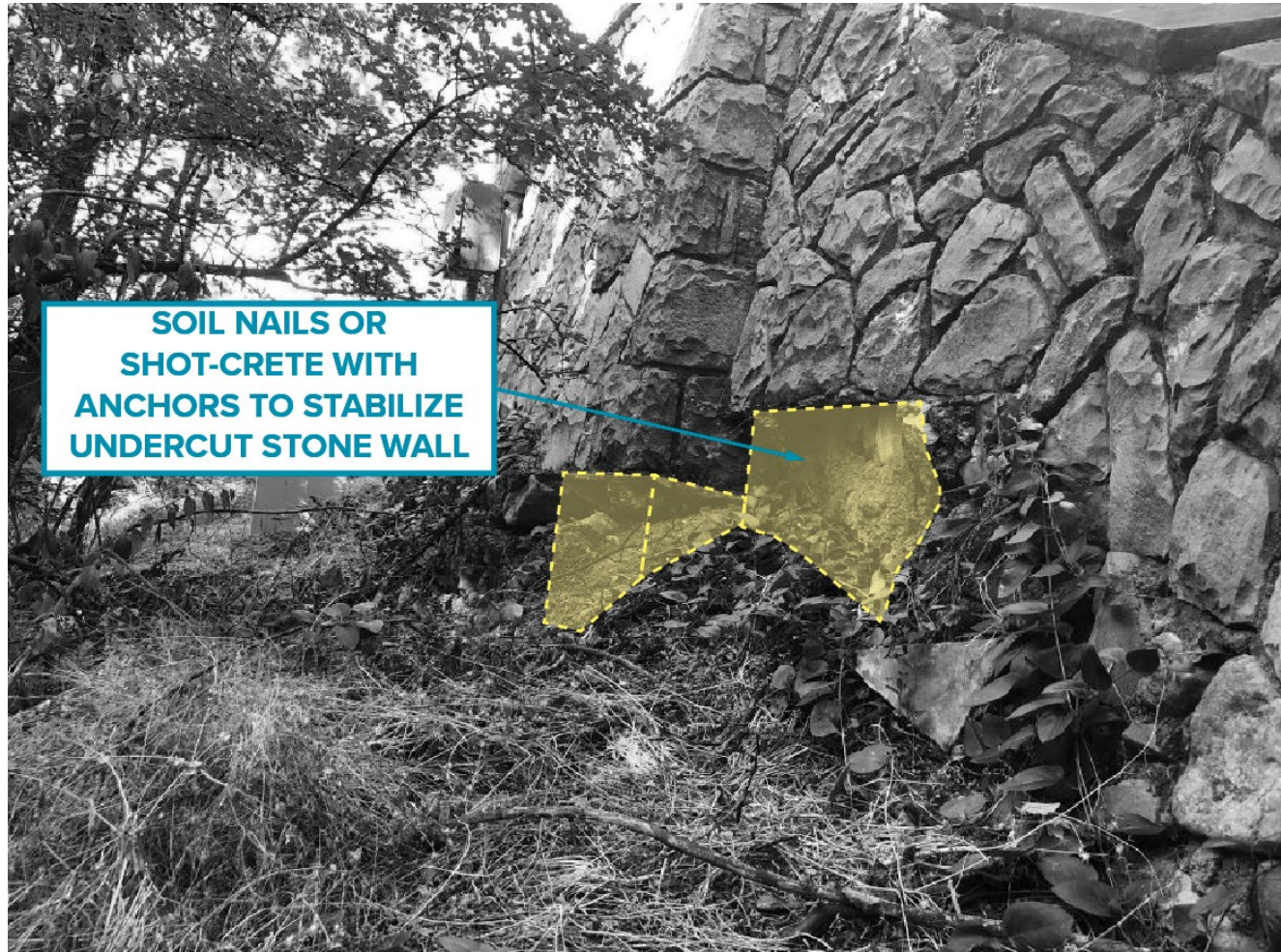
POTENTIAL IMPROVEMENTS



EXAMPLE PROJECT: CROSS SLOPE CORRECTION

- Multiple locations
- Infill and retaining
- Additional stairs and handrails in some cases
- Should achieve 2% maximum cross slope and 5% maximum running slope

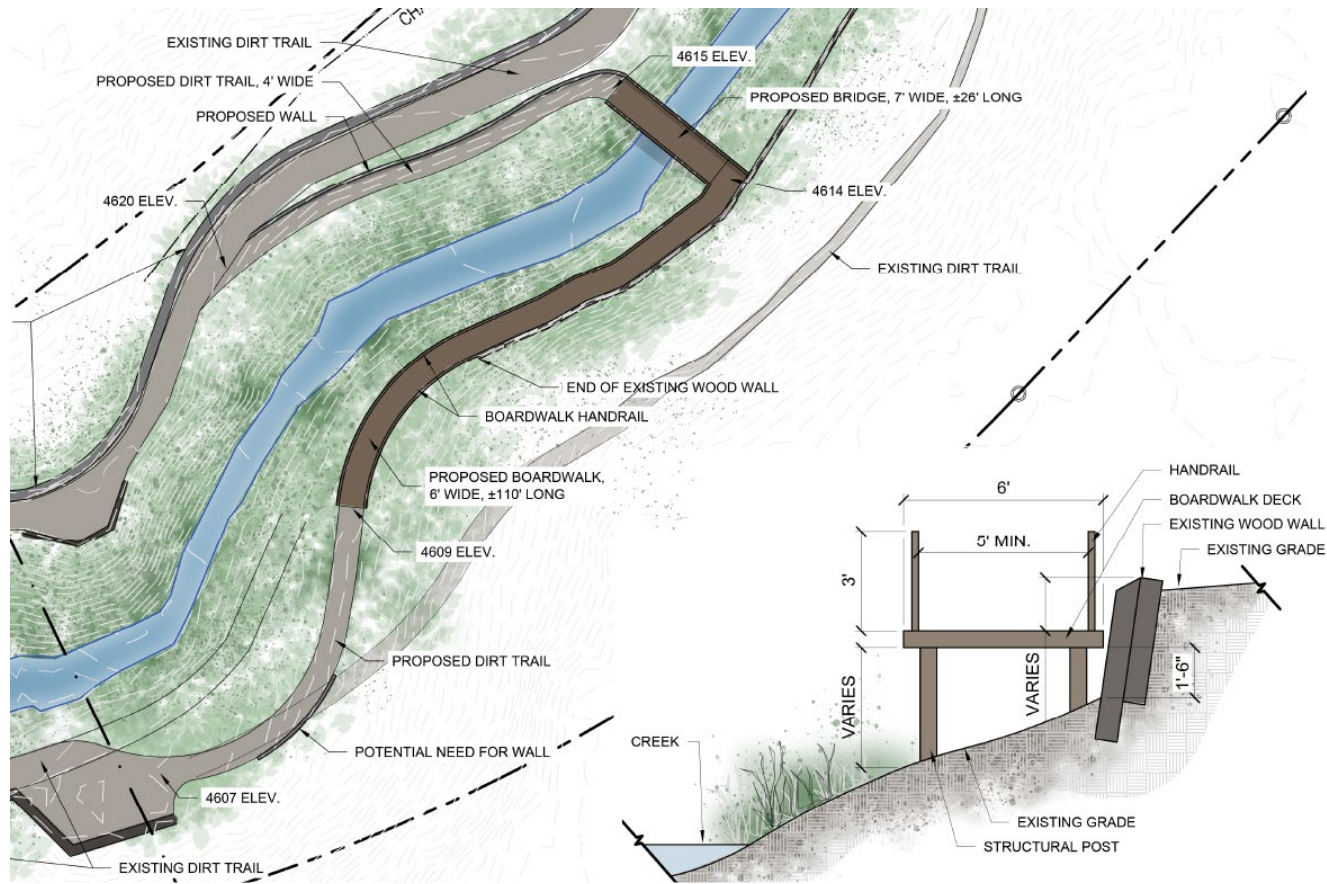
POTENTIAL IMPROVEMENTS



EXAMPLE PROJECT: STABILIZE WALL FOUNDATION

- Located at 900 S entrance to park
- Use soil nails or shot-crete with anchors to stabilize wall foundation

POTENTIAL IMPROVEMENTS



EXAMPLE PROJECT: BRIDGE & BOARDWALK

- Near north end of park
- Creates a complete loop around the park that is wheelchair accessible
- If built, upper trail and stairs on east side of creek can be decommissioned

POTENTIAL IMPROVEMENTS

EXAMPLE PROJECT: BRIDGE & BOARDWALK



PROJECT CHALLENGES



CHALLENGES

- Accessibility limitations
- Structural limitations
- Off-site impacts
- Construction access challenges
- Conflict of management objectives
- Budget limitations

MOVING FORWARD



NEXT STEPS

- Collect public input priorities
 - Online Survey
 - Park user intercept survey
 - Public open house (April 14 @ A-F Library 7-9p)
 - Riparian / Floodplain permitting
 - Accessibility Advisory Council & Historic Landmarks Review
- Project team to refine project scope (approx. late April)
- Budget Amendment (City Council approval required)
- Construction Documents
- Project Bidding & Construction (2021 estimate)