



# Eagle Bridge Marston Addition

Balboa Park Committee Presentation

January 6th, 2022



# Alexandre Cridlig

Eagle Scout Candidate  
Troop 271, University City

# Project Location - Marston Addition, Balboa Park

The screenshot displays a Google Maps interface for the Marston House Museum & Gardens. The search bar at the top left contains the text "Marston House Museum & Gardens". Below the search bar is a street view inset showing a photograph of the museum building. The main map area shows an aerial view of the location, with a red box highlighting a specific area labeled "BRIDGE". Other labels on the map include "dirt road", "levelled surface", "panel", "staircase", "other bridge", "Cypress Ave", "Richmond St", "Myrtle Ave", "Upas St", "Cabrillo Canyon", "Birdies Trail", "Girl Scouts", "Boy Scouts of America San Diego...", "Zoological Society of San Diego / Fleet...", and "Roosevelt MI School Tennis". The address "3525 7th Ave, San Diego, CA 92103, United States" is displayed at the bottom left of the map area. The browser's address bar shows the URL "https://www.google.com/maps/place/Marston+House+Museum+%26+Gardens/@32.7420315,-117.1557753,583m/data=!3m1". The Windows taskbar at the bottom shows the search bar with "Type here to search" and the system tray with the time "4:32 PM" and date "1/14/2020".

Marston House Museum & Gardens

4.7 ★★★★★ (101)  
Museum

Directions Save Nearby Send to your phone Share

This 1905 house exemplifies the Arts & Crafts movement, plus features period furniture & pottery.

3525 7th Ave, San Diego, CA 92103, United States

Marston House Museum & Gardens  
Tours of a historic Craftsman cottage  
23 min drive home

BRIDGE

Google

Imagery ©2020 Maxar Technologies, Sanborn, U.S. Geological Survey, USDA Farm Service Agency, Map data ©2020 France Terms 100 m

Type here to search

4:32 PM  
1/14/2020

# Project Before and After



Site Clean-up (Concrete, Logs)

Landscaping (Tree, Plants)

Erosion Control (Gabion Cages)

Pressure Treated Wood

Galvanized Rods

Ramp Access



# Project Workforce

Sr Ranger Araceli Dominguez

Ranger Kyle Connors

René Smith, BP Advocate

Robert Thiele, Architect

ASM Daniel Machado, Engineer

Mila Anne Cridlig, Engineer

Troop 271, University City

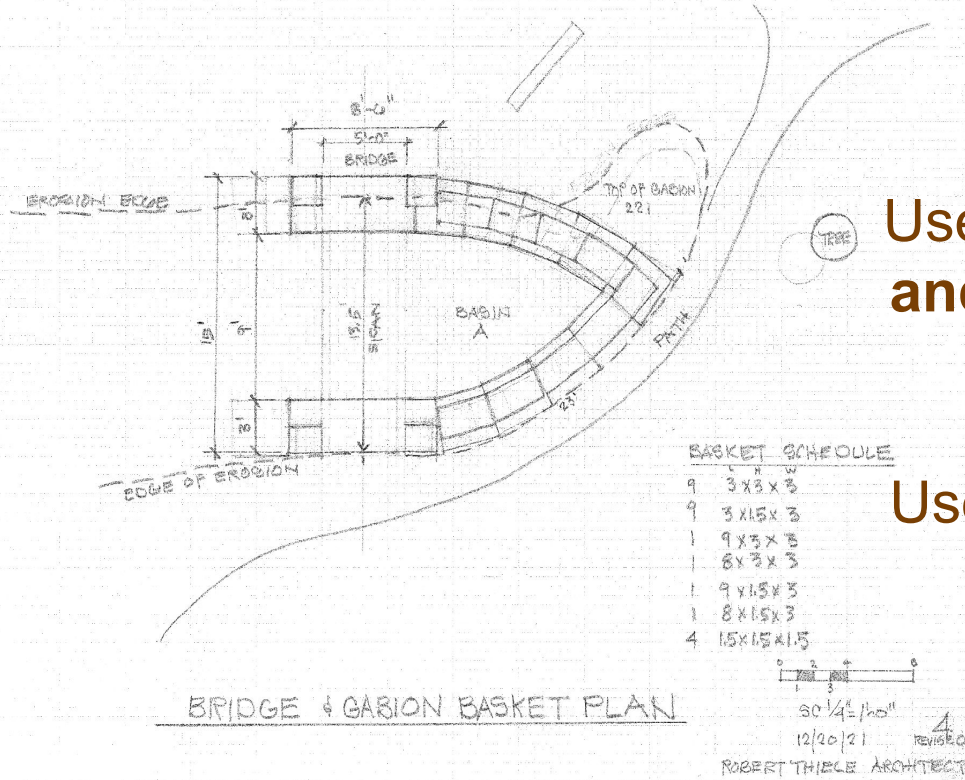


# Eagle Bridge Construction Plans 1/2

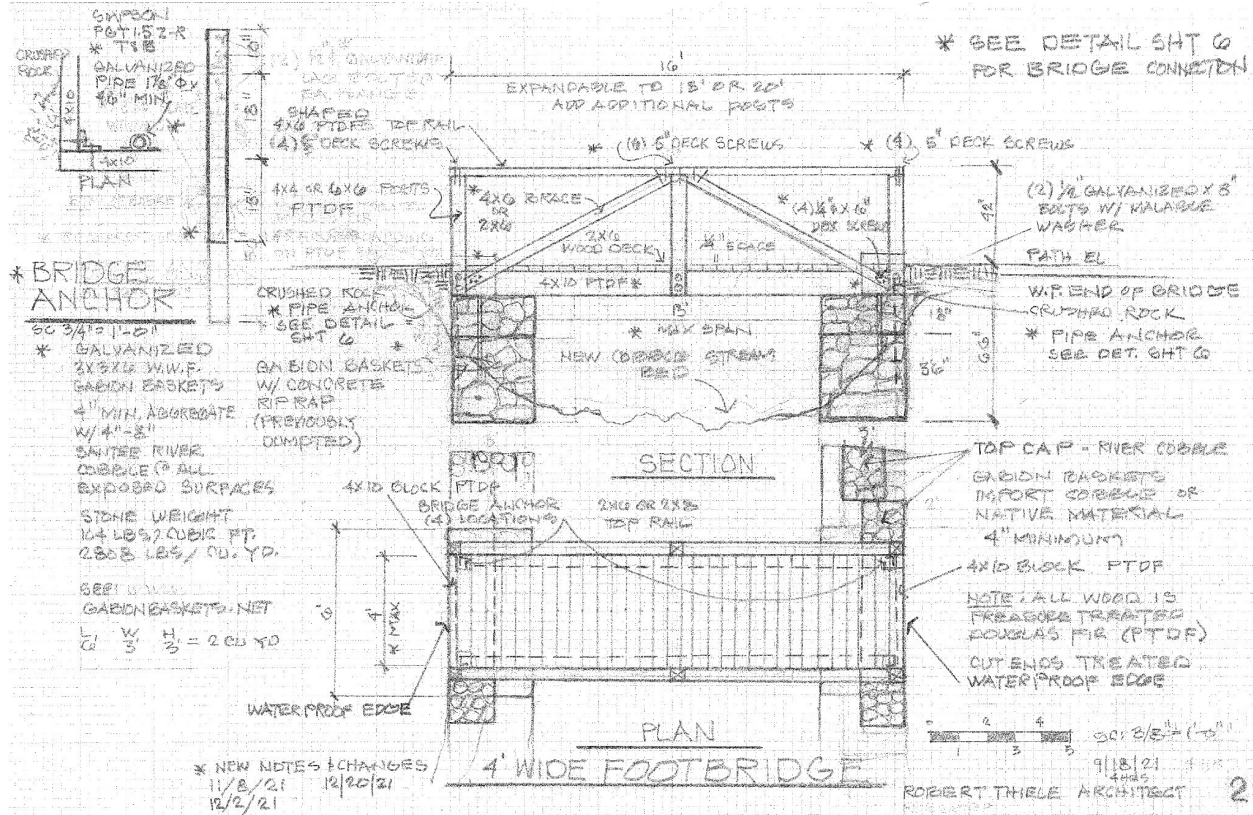
In Balboa Park

Use of gabion cages as **efficient and sustainable infrastructure to control erosion**

Use of bridge plans as **template for future foot bridges**



# Eagle Bridge Construction Plans 2/2



# Project Timeline

## EAGLE PROJECT PHASES

Submit Proposal (October 2021)

Approve Proposal (November 2021)

Fundraise (December 2021 - March 2022)

Prepare Building Site (January 2022 - March 2022)

Build Offsite Bridge / Gabion Cages (March 13-14, 2022)

Fill up Gabion Cages / Mount Bridge (March 28-31, 2022)



# Project Budget

Materials:	\$9,850
Supplies:	\$830
Tools:	\$210
Other:	Arborist: \$500
<b>Total Costs:</b>	<b>\$11,390</b>

**30 cu yard Cobble & Delivery** = \$3000 for cobble and \$700 / day rental for 10 wheel truck plus load / unload and truck driver, \$4500 total donation

**50-60 Gabion Cages** = \$5000 - \$6000

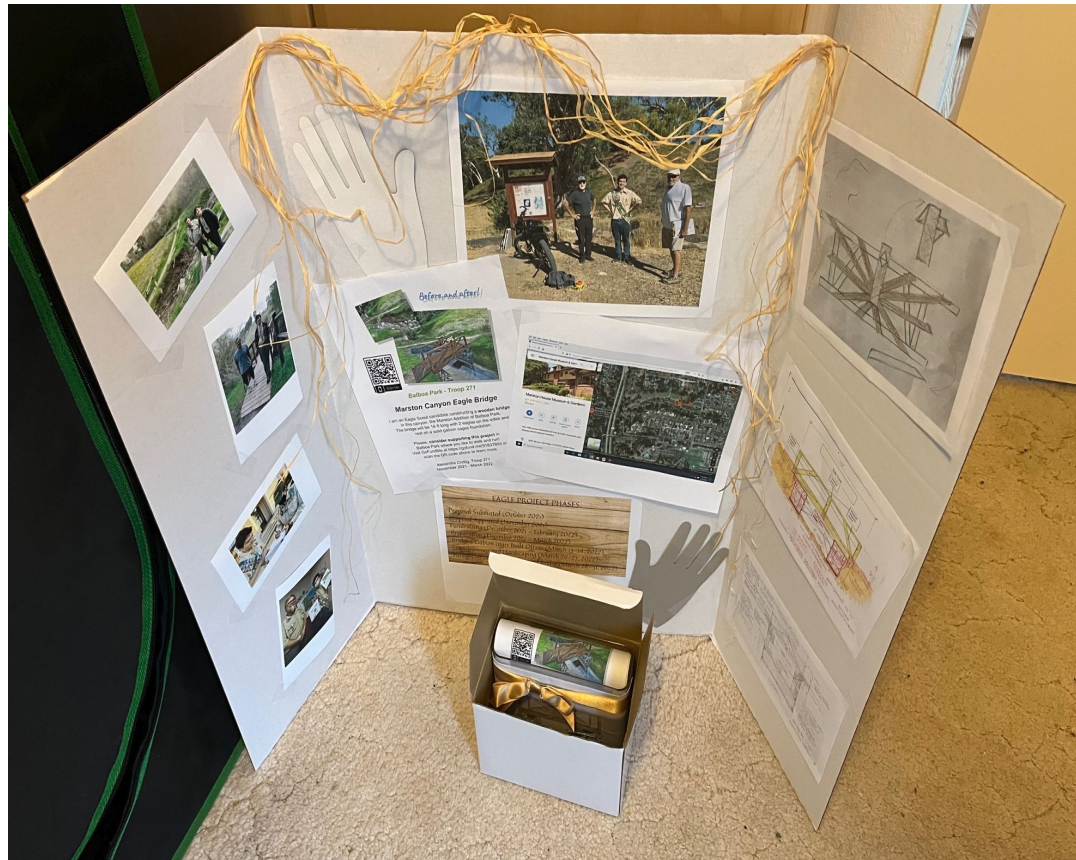
**Supplies and Tools** = \$1000

**Bridge Hardware** = \$1500

**Landscaping** - 3D Canyonlands, Davey Resource

**Backhoe** - Davey Resource, Herc Equipment

# Project Display Board



# Project Flyer



**Balboa Park - Troop 271**

## **Marston Canyon Eagle Bridge**

I am an Eagle Scout candidate constructing a **wooden bridge** in this canyon, the Marston Addition of Balboa Park. The bridge will be 16 ft long with 2 eagles on the sides and rest on a solid gabion cages foundation.

Please, **consider supporting this project** in Balboa Park where you like to walk and run! Visit GoFundMe at <https://gofund.me/9183780d> or scan the QR code above to learn more.

Alexandre Cridlig, Troop 271  
November 2021 - March 2022



**QUESTIONS?**

**Thank you for your attention!**