

Miller Knox and Ferry Point Recreation and Fishing Improvements: Final Programmatic Report (AMENDED)

Recipient Organization/Agency: East Bay Regional Park District

Date Submitted: August 15, 2016

Project Period: 1/01/2013 to 1/31/2017

Award Amount: \$1,000,000.00

Matching Contributions: \$1,010,709.98

Total Disbursements: \$1,000,000.00

Project Number: #8006.12.033260

1. Summary of Accomplishments

This project has been completed. This grant allowed for the improvement of public access to the Miller Knox Regional Shoreline in Richmond, CA. All of the existing restrooms buildings, which had reached the end of their life span, were replaced with new flush restroom buildings that increased the capacity of restrooms at the park. Additionally a new potable water line was installed to service the new restrooms. The irrigation system was replaced and updated to a more efficient system with moisture sensors and weather monitors to increase real time feedback of watering conditions. This new irrigation system will be used to water the 3+ acre area of renovated turf grass and two California native planting areas that were part of the grant scope. Picnic areas were also installed along the existing path to Ferry Point as well as a Fish Cleaning Station for use at the Ferry Point Plaza.

2. Project Activities & Outcomes

Activities

The primary activities for this infrastructure project consisted of turf renovation, restrooms, picnic tables and a fish cleaning table. There were no discrepancies between the activities conducted for the project and the activities agreed upon in the contract. The construction contract was completed by Water Rock Construction Corporation. Water Rock was issued a notice of acceptance by the East Bay Regional Park District in January 2016. This was followed by a six-month plant establishment period.

Benefits

The recreational benefits from this infrastructure project include improved recreational experience for picnics, group gatherings, fishing, water access, walking and cycling. The renovated turf will be easier to maintain and will provide improved recreational benefits for years to come. The project has improved access and safety in the park by fixing the uneven turf and bringing restrooms to ADA standards. The project improved user experience for wildlife viewing and the overall aesthetics of the park.

3. The Future

The project will be maintained by the Miller/Knox Park Operations Staff, who have a service yard located within the park. The restrooms, fishing cleaning station and picnic tables receive daily maintenance and routine cleaning. As described under the project benefits, the maintenance on the newly installed turf, landscaping and restrooms will be less than prior to the project. The renovated turf uses modern irrigation valves, piping and sprinklers controlled by a state of the art irrigation controller. The renovation also addressed design deficiencies to reduce water usage and run off. The precast concrete restroom buildings are also easier to maintain.

4. Lessons Learned

The project was overall very successful. Two lessons learned are described below:

1. The irrigation system that was specified and installed was a two wire system which allows for the future expansion of the entire system without requiring trenching of new controller wires from new zones all the way back to the controller. This new system requires decoders on all valves, so installation and use were new to park staff.
2. Fertilizer was specified in the planting pits of some of the Native California plants that were installed. During the maintenance period, it was discovered that the use of fertilizer could lead to the burning of some native plants. In future applications the fertilizer will not be used.

5. Project Documents

- Photos included below

POSTING OF FINAL REPORT: *This report and attached project documents may be shared by the Foundation and any Funding Source for the Project via their respective websites. In the event that the Recipient intends to claim that its final report or project documents contains material that does not have to be posted on such websites because it is protected from disclosure by statutory or regulatory provisions, the Recipient shall clearly mark all such potentially protected materials as “PROTECTED” and provide an explanation and complete citation to the statutory or regulatory source for such protection*



*Photo 1. Before Project: Picnic area with dead turf that was infested with weeds/thistles and devoid of grass.
(Photo by Jeff Rasmussen)*



Photo 2. After Project: New pathway to picnic area. Native plants replaced dead turf. (Photo by Ren Bates)



Photo 3. After Project: View of installed native plants with picnic area in background. (Photo by Ren Bates)



Photo 4. After Project: View of installed native plants with picnic area and Bay view in background. (Photo by Ren Bates)



Photo 5. After Project: Pathway and renovated turf provide an additional recreation area for kite flying, playing soccer and catch, and sunbathing. (Photo by Ren Bates)



Photo 6. After Project: Renovated turf provides open area for outdoor recreational activities. (Photo by Ren Bates)



Photo 7. Before Project: Restrooms were in poor condition, could not keep up with demand, were often over crowded, had no sinks for handwashing, did not meet current health codes, and did not meet current ADA code. (Photo by Jeff Rasmussen)

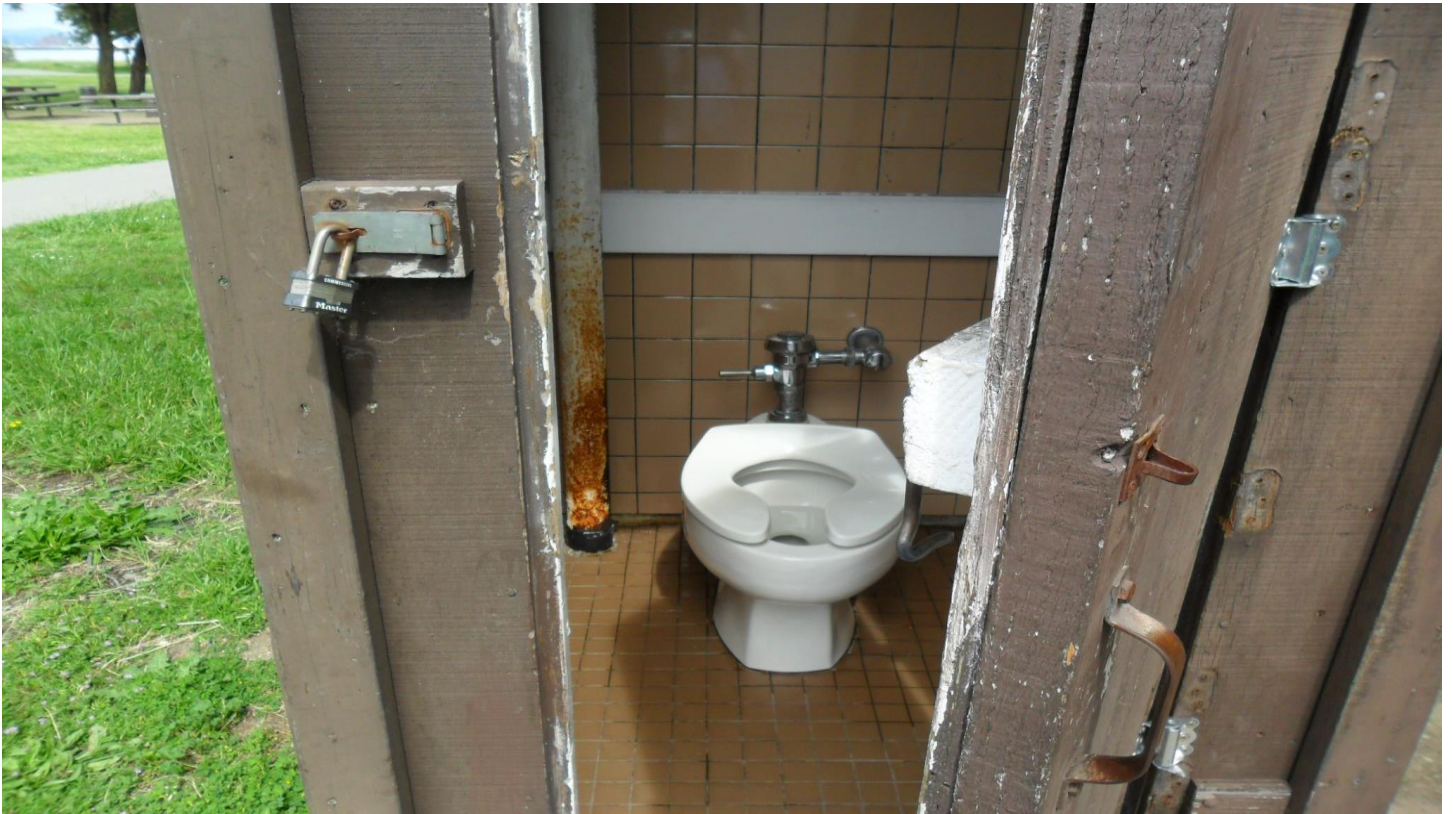


Photo 8. Before Project: Restrooms were in poor condition, with deteriorated wood structure and rusted piping. (Photo by Jeff Rasmussen)



Photo 9. Before Project: Accessible restroom was in poor condition and not up to current code. (Photo by Jeff Rasmussen)



Photo 10. After Project: Renovated restroom area is well-maintained, keeps pleasant view of Bayfront, can handle extra demand, and meets all current health/ADA codes. Additional renovated turf in foreground increases recreational area. (Photo by Ren Bates)



Photo 11. After Project: Accessible parking and the new restroom near the fishing area improve recreational experience and fishing access. (Photo by Ren Bates)



Photo 12. After Project: New picnic area that was installed near the fishing pier. No picnic area was previously in this location. The new picnic area enhances the fishing and visitor experience. (Photo by Ren Bates)



Photo 13. After Project: Another view of the new picnic area near the fishing pier. The proximity of the picnic area to the pier makes fishing more convenient and efficient. This picnic area did not previously exist. (Photo by Ren Bates)



Photo 14. After Project: New fish cleaning station with pelican sign posted nearby. This station helps control fish waste and keeps the park clean. The fish cleaning station and new restroom provide key recreational benefits to park visitors who choose to fish. (Photo by Ren Bates)