



# CONSTRUCTION

## Project Profile

### Hamilton Wetlands Restoration Project North Seasonal Separation Berm, 2020



#### Project Information

**Prime Contractor:**  
ROD Construction  
1550 Harbor Blvd. Ste 140  
West Sacramento, CA 95691  
Tel- (916) 372-5434

**Owner:**  
US Army Corps of Engineers  
San Francisco District

The Hamilton Wetlands Restoration Project (HWRP) is a 648-acre tidal marsh restoration situated on the former Hamilton Army Airfield in Novato, California. The North Seasonal Wetlands Berm is an interior berm separating two ponds and had previously been overtopped multiple times causing extensive erosion. Rod Construction performed a berm repair and raised the overall top elevation of the berm to prevent future overtopping and erosion.

#### Project highlights included:

- Limited access & hour restrictions for equipment & material deliveries
- Protection of surrounding Wetlands' vegetation and habitat.
- Differing site conditions – Tidal Systems.
- Below tidal level construction requiring dewatering.
- Onsite borrow pit requiring material conditioning.

This project to repair and raise the North Seasonal Wetlands Berm had many challenging aspects. Due to most of the site being underwater during high tides. ROD had to design and install a dewatering system that would handle 3-4 feet of tidal sea water from the San Pablo Bay, with a limited footprint, causing minimal damage to the existing vegetation. We could not utilize a sheet pile cofferdam approach due to the Hamilton Airfield Runway that was left in place and covered with bay mud to create the wetlands. ROD decided to go with AquaDam, water filled dewatering bladder system. We placed 2,500lf of 4ft tall, 11ft wide AquaDam, which took over 525,000 gallons of water.

Once the tidal water was controlled and the site was dried out, we were able to remove all remaining unsuitable subgrade material, conditioned the remaining subgrade and began importing fill. The Borrow site consisted of bay dredge materials that needed to be moisture conditioned and mixed to meet the Project's specifications for fill materials. ROD imported over 10,000 yards of fill, repairing the damaged area and raising the top elevation of the 3,000lf berm from 7ft to 9ft to prevent any future overtopping.

