*August 2020 Construction Update*

HB Reservoir Repair Project

The contractor began erecting the new aluminum dome roof at the end of June and is expected to take a few more weeks to complete. The new concrete reservoir footing was poured in late July.

Upcoming Work

Beginning in mid-August, the contractor will install the dedicated inlet and outlet piping improvements to the reservoir interior. In late August and September, the contractor will start work on the pipelines outside the reservoir and apply coatings to the interior and exterior of the reservoir.

The contractor poured the new concrete footing as part of the seismic retrofits. By the end of July, the contractor completed a substantial portion of the new aluminum roof (view from inside HB Reservoir).
The contractor recently completed installing new reinforcing steel for the new reservoir footing and began installing seismic cables. The contractor began erecting the new aluminum dome roof, which is expected to take several more weeks to complete.

Upcoming Work

Beginning in mid-July, new concrete will be poured for the new reservoir footing. The new footing will have seismic cables cast into it, which connect the reservoir walls to the foundation. The contractor received materials for the new aluminum dome roof last month and began erecting the new roof. Roof construction is expected to take approximately eight more weeks. In addition, the contractor will continue working on the dedicated inlet and outlet piping improvements to the reservoir interior. In August, the contractor will start work on the pipelines outside the reservoir and apply coatings to the interior of the reservoir.
May 2020 Construction Update
HB Reservoir Repair Project

The contractor recently completed removing the existing concrete footing and poured a new concrete slab inside the tank. The contractor will begin erecting the new aluminum dome roof over the next several weeks.

Upcoming Work

Beginning in mid-June, the contractor will begin receiving materials for the new aluminum dome roof. Erecting the new roof is expected to take approximately eight to 10 weeks. Parallel to the roof work, the contractor will continue modifying the existing reservoir footing and the lower section of the reservoir wall to add seismic retrofits needed to protect the tank from earthquakes. In addition, the contractor will continue working on the dedicated inlet and outlet piping improvements to the reservoir interior. Later this summer, the contractor will start work on the pipelines outside the reservoir and apply coatings to the interior of the reservoir.

The contractor completed removing sections of the concrete footing that will be modified to accept new seismic retrofits. By the end of May, the contractor poured the new reservoir slab.
*March 2020 Construction Update*
HB Reservoir Repair Project

The contractor recently completed removing the existing concrete roof. This represents a major milestone for the project. The contractor will begin preparation work to support the new aluminum dome roof, which includes pouring a new concrete cap beam.

Upcoming Work

Beginning in late March, the contractor will add forms to the top of the existing reservoir wall and begin pouring concrete for the new cap beam. This is expected to occur in two phases and take approximately one month. Once the concrete cap beam is in place, the contractor will start modifying the existing reservoir footing and the lower section of the reservoir wall to add seismic restraints needed to protect the tank from earthquakes. In addition, the contractor will perform dedicated inlet and outlet piping improvements to the reservoir interior. In late April, materials for the aluminum roof will begin arriving onsite. It is expected to take approximately eight to 10 weeks to erect the new roof once materials arrive.

In mid-January, the contractor began carefully removing sections of the concrete roof. By early February, the contractor was nearly complete with the concrete roof removal.
The HB Reservoir Repair Project is well underway. The contractor recently completed rough grading and drainage improvements and continues to work inside the reservoir removing demolition debris and erecting the support system for roof demolition.

Upcoming Work

Beginning in mid-January, up to two large cranes will arrive at the site to remove the existing concrete dome roof. During this time, the contractor will cut the existing concrete roof into approximately 115 segments and lift each piece off the roof with a crane. This work is expected to take several weeks and is dependent on the weather conditions.

Once the existing concrete roof is removed, preparation work will begin for the new roof. In addition, the contractor will begin modifying the existing reservoir footing and wall to add seismic restraints needed to protect the tank from earthquakes.
*January 2020 Construction Update*

HB Reservoir Repair Project

Crews Installing Support System inside the Reservoir for Roof Demolition

Roof Demolition Support System inside the Reservoir Complete
Construction Progress
November 2019
HB Reservoir Repair Project

Existing reservoir exterior stair removal complete

Demolition of common inlet/outlet up to reservoir complete

Demolition of existing above grade yard piping complete
Construction Notice
HB Reservoir Repair Project

Seismic retrofits and structural repairs are needed for Vista Irrigation District’s HB Reservoir to minimize earthquake vulnerability and ensure the safety, security, and reliability of the water supply.

WORK REQUIRED
Construction work includes seismic retrofits, structural repairs, replacing the reservoir roof, piping work, fresh paint, new pavement including main access road, and safety and security improvements.

The construction contractor will be required to keep noise levels within regulation standards. The contractor must also control dust levels and ensure trucks do not idle at the project site before, during, or after working hours.

The water supply typically stored in the HB Reservoir will be rerouted during construction to ensure there will be no disruption to water service.

Thank you for your patience during this important infrastructure improvement project.

FOR MORE INFORMATION
Contact: Greg Keppler, Project Manager
Vista Irrigation District
760-597-3136
gkeppler@vidwater.org

CONSTRUCTION SCHEDULE AND HOURS
fall 2019 to fall 2020
Monday through Friday
8:00 A.M. to 4:30 P.M.

No equipment will operate prior to 8:00 a.m. The contractor may need to work outside the prescribed working hours on some occasions to minimize impacts to the water system. Residents will be notified ahead of time in these instances.

Photos of repair activities similar to the HB Reservoir project.