PROJECT:

Install Bypass Valve & misc Repairs Howard Hanson Dam

Safety was the main focus for Cherokee Construction Services as a **prime contractor** and the work involved various fall protection measures, each designed for specific sections of the dam. The work took place in the middle of winter and ice and snow added to the challenges associated with completing the project on time and in a safe manner.

Various cracked and failing areas of the Dam were repaired using epoxy injection methods. Due to the cold temperatures and high winds associated with the time of year and location, much of the work revolved around effectively enclosing the work areas in a way that allowed us to control temperature. These enclosures often had to be accomplished at heights and incorporated fall protection measures.

High pressure water jetting was used to clean out over 200 drains in the spillway section of the dam. Fall protection again was a factor for this work and a custom built screen, designed to prevent falling rocks from above, had to be constructed and used.

Project Highlights:

- Environmentally Sensitive Area (Tacoma Watershed)
- Multi-Agency Cooperation
- Winter Weather
- Fall Protection Safety Concerns

Project Vitals:

- **Client:** US Army Corps of Engineers, Seattle District
- **Location:** Howard Hanson Dam, Enumclaw, Washington
- **Contract Amount:** $472,690.50
- **Duration:** February 2011 – June 2011
- **Contract #:** W912DW-09-D-1007 #0006
- **Amount Self-Performed:** 100%
- **NAICS Code:** 237110 & 237990

A large 42” valve was added to an existing pipeline. The installation of the valve had to take place over the Green River. A scaffold system was designed that would bolt into the existing concrete thrust block so crews could access the work area. Again, fall protection measures were an important part of this task.

Environmental protection played a large role in all of the work that took place on this project as each task was completed next to or in some cases directly over, the source of the city of Tacoma’s drinking water.