

Gated Flood Control Spillway Construction Comparisons

November 2018



1968

2018

	1968	2018
Length of main spillway	3,055 feet	3,055 feet
Width of main spillway	178.75 feet As wide as a 12-lane freeway with center divider	178.75 feet As wide as a 12-lane freeway with center divider
Flow capacity	270,000 cubic feet per second	270,000 cubic feet per second (100,000 cfs from Nov 2017 through January 2019)
Spillway Chute Concrete thickness	DESIGN: 1 foot, 3 inches minimum ACTUAL: 2 feet, 8 inches average	DESIGN: 4 foot, 6 inches minimum ACTUAL: 7 feet, 6 inches average
Spillway wall height	20 feet - 27 feet 1 foot thick at the top 2 feet, 4 inches thick at the base	20 feet - 34 feet 2 feet thick at the top 5 feet thick at the base
Piezometers	0	58
Reinforcing steel	LAYERS: 1 DIAMETER: 5/8 inch	LAYERS: 2 (top is epoxy-coated) DIAMETER: 1 inch
Underdrains	TYPE: Clay DIAMETER: 6 inch	TYPE: PVC DIAMETER: 8 inch
Slab Anchors	QUANTITY: Appx. 5,700 DEPTH: 5 feet deep	QUANTITY: Appx. 7,000 (epoxy coated) DEPTH: 15 to 25 feet deep