

**H-4 Dam and H-4 Reservoir**

**OWNER**

Guadalupe-Blanco River Authority.

**ENGINEER (Design)**

Fargo Engineering Company.

**LOCATION**

On the Guadalupe River in Gonzales County, 4 miles southeast of Belmont.

**DRAINAGE AREA**

2,048 square miles. River flow partly regulated by Canyon Reservoir.

**DAM**

Type	Earthfill with concrete spillway
Length	5,100 ft
Height	42 ft
Elevation top of dam	345.0 ft above msl

**SPILLWAY**

Type	Floating crest
Length	170 ft
Crest elevation	320.0 ft above msl
Control	2 roof-weir gates, each 85 by 12 ft

An uncontrolled section provides additional flood flow discharge.

**OUTLET WORKS**

None. Water is released through turbines while generating power.  
Reservoir is maintained at operating level by regulating power output.

**POWER GENERATING FEATURES**

1 generating unit with a capacity of 2,400 kw.

**STATE AUTHORIZATION**

H-4 Dam and Reservoir were authorized under Permit 1096 (Application No. 1163) dated June 12, 1929, which allows impoundment of 33,500 acre-feet of water in five reservoirs and an annual use of 941,200 acre-feet for generation of hydroelectric power. H-4 Dam was built and is located at the site of Dam No. 4 described in this permit. Continuous rate of flow through H-4 was authorized at 1,250 cubic feet per second, and authorized storage capacity was 7,500 acre-feet. This includes water rights from Permit No. 21 dated July 25, 1914.

**RESERVOIR DATA**

Capacity	6,500 acre-feet at elevation 332.0 ft above msl
Area	696 acres at elevation 332.0 ft above msl
Usable storage capacity	5,200 acre-feet.

**GENERAL**

Construction started	1929
Dam completed	1931
Impoundment of water began	1931
Generation of power began	1931
General contractor	Sumner and Sollet

This is one of six projects owned and operated by Guadalupe-Blanco River Authority which were purchased from the original owners.

