

STRUCTURE 145

The structure was replaced by a new structure in March 1993. The contract number is C-3042. The new structure is a single-barreled, bituminous coated, corrugated metal pipe culvert, located in Levee 35B. Control is effected by a manually operated sluice gate mounted in the manhole.

PURPOSE

This structure, together with S-144 and S-146, permits regulation of Conservation Area 2 by release of water from Area 2A into Area 2B.

OPERATION

This structure, together with S-144 and S-146, is manually operated when water is required in Conservation Area #2B. It is also operated to remove temporarily excess storage in Conservation Area #2A.

FLOOD DISCHARGE CHARACTERISTICS

	Design	Critical Design Conditions
Discharge Rate	<u>210</u> cfs	<u> </u> cfs
	* <u> </u> % SPF	* <u> </u> % SPF
Headwater Elevation	<u>12.0</u> feet	<u>14.5</u> feet
Tailwater Elevation	<u>10.0</u> feet	<u>10.5</u> feet
Type Discharge	controlled <u>submerged</u>	controlled <u>submerged</u>

*Designed for Normal Conditions. Discharge of Conservation Area 2 for Standard Project Flood designed to be passed through S-11 alone.

DESCRIPTION OF STRUCTURE

Type	<u>Corrugated metal pipe culverts with center control</u>	
Number of barrels	<u>1</u>	
Size of barrel	<u>72 inches</u> (upstream pipe)	<u>84 inches</u> (downstream pipe)
Length of barrel	<u>36 feet</u>	<u>58 feet</u>
Flow line elevation	<u>2.7 feet</u>	<u>2.7 feet</u>
Service bridge elevation	<u>17.76 feet</u>	<u>17.76 feet</u>

Gates
Number 1
Type Rodney Hunt Co.
Size 72 inch square
Control Manual
Lifting Mechanism vertically mounted, manually and portable operator operated

ACCESS: from U.S. 27 via access road on top of L-35B

HYDRAULIC AND HYDROLOGIC MEASUREMENTS

Water Level Staff gauge only at S-145, upstream and downstream

Gate Position Recorder None

DEWATERING FACILITIES (per barrel) Dewatering panel