HONOLULU HIGH CAPACITY TRANSIT CORRIDOR PROJECT

SURVEYED PROPERTY CONSIDERED ELIGIBLE FOR NATIONAL REGISTER

TMK: **None**

Historic Status: **Evaluated Eligible**

Portion of Alignment: **'Ewa portion**

Resource Name/Historic Name: **Waiawa Stream Bridge 1932 (west-bound lanes)**

Sector: **12 Pearl Highlands Station Sector**

Location: **Farrington Highway west-bound over Waiawa Stream**

Owner:

Station Block: **Pearl Highlands Station Block**

Date-Original: **1932**

Source: **Thompson (1983) VII-129 and inscription**

Present Use/Historic Use: **Bridge**

Architectural Description:

This six-span, reinforced-concrete bridge is a continuous deck girder type, measuring 332 feet in length, about 34 feet in width, and approximately 30 feet in height above the stream bed. The concrete parapets of the bridge are pierced to form balustrades with arched-topped openings. This arched-top design was a standardized pattern of Territorial Highway Department bridges of the early 1930s. The balustrades on this bridge are divided by stanchions into six segments, each about 20' long. Each segment has cast end pieces with a recessed panel, each pair of end pieces forms a stanchion. The end segments of parapets are slightly curved as they approach the larger end stanchions. These end stachions are rectangular, and have rectangular panels with an incised border. The panels are inscribed "Waiawa" and, on the opposite end stanchion, "1932."

Integrity:

Parapets and abutments are unaltered.

Significance:

Criterion "A" - for its association with the transportation history of the area. Criterion "C" - as an example of concrete bridge engineering and design in Hawaii. This bridge originally carried Kamehameha Highway to the Ewa Junction and represents a road straightening improvement project that replaced an earlier, more winding, road sement and smaller bridge crossing of Waiawa Stream. Merritt A. Trease was the design engineer. This bridge carried Kamehameha Highway until the bypass was built iabout 1940, when this bridge and road segment became an extension of Farrington Highway. It is a good example of an early 1930s continuous deck girder bridge. Its relatively long length indicates the importance of this transportation link in the circle-island main road system.