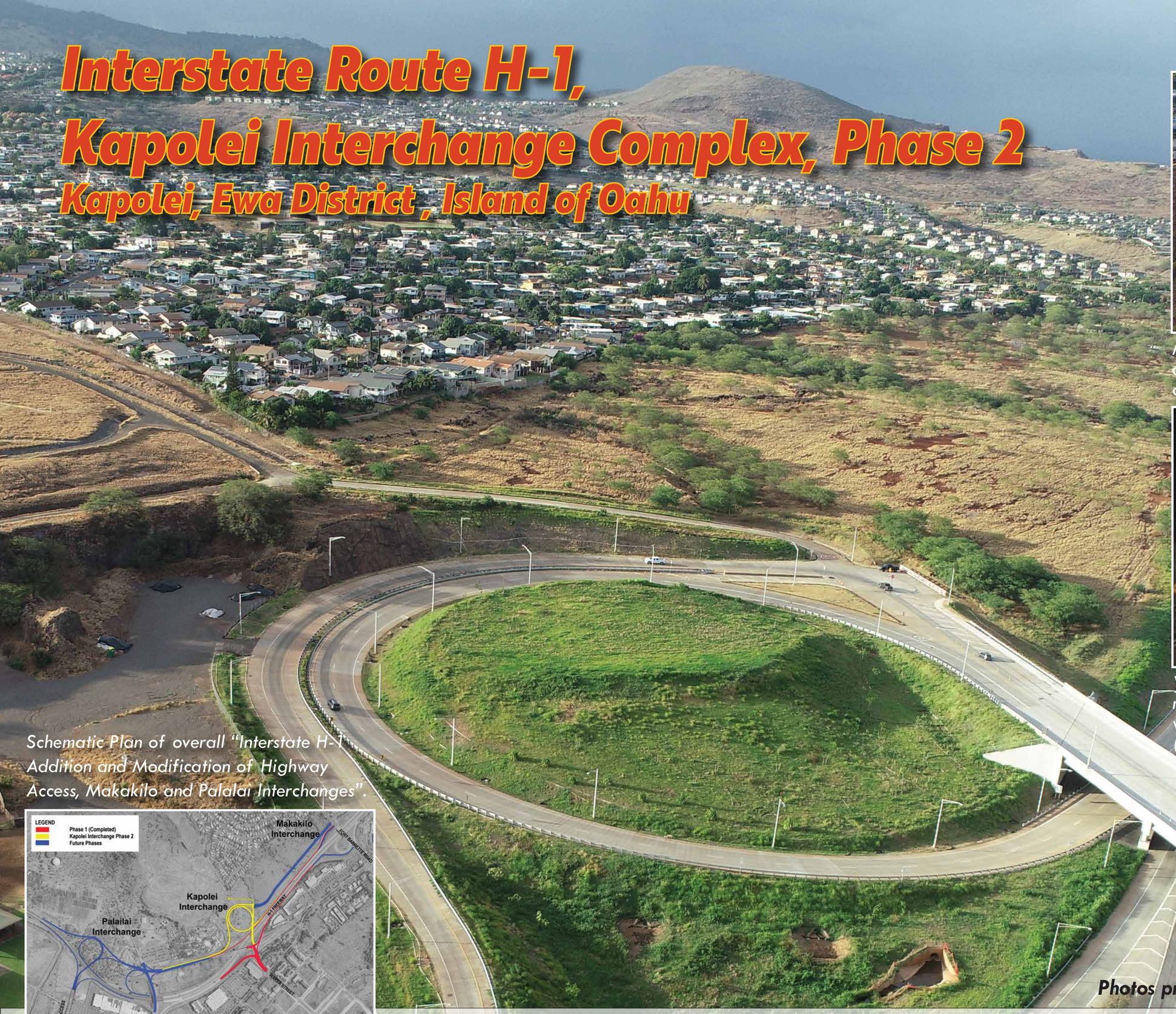
Interstate Route H-1, Kapolei Interchange Complex, Phase 2

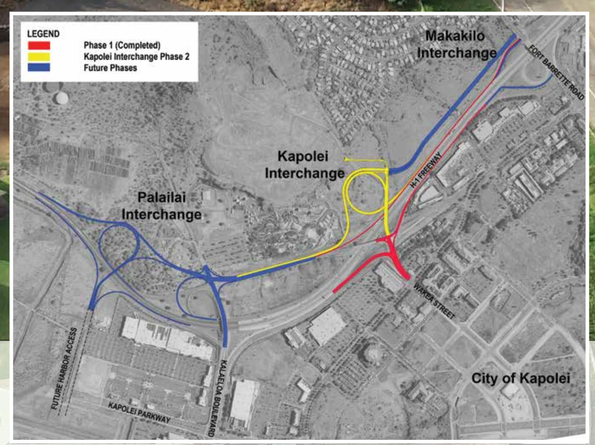
Kapolei, Ewa District , Island of Oahu



Mass grading of approximately 67,000 CY and 20,000 CY of embankment with grading of approximately 12 acres

Wakea Overpass was constructed at night, requiring closure of H-1. Traffic detours provided to maintain access to Waianae Coast (H-1 , facing eastbound).

Schematic Plan of overall "Interstate H-1 Addition and Modification of Highway Access, Makakilo and Palalai Interchanges".



Photos provided by Goodfellow Bros. Hawaii, Inc.

Roadway to future growth of Kapolei, Oahu's "Second City"

Kapolei, Oahu's "Second City" is quickly developing into a major urban center with residential, commercial and government facilities. Growth has led to increased traffic volumes along existing roadway systems in the area. As a result, the State of Hawaii, Department of Transportation in partnership with James Campbell Company, LLC designed and constructed the Interstate Route H-1, Kapolei Interchange Complex, Phase 2, as part of the overall "Interstate H-1 Addition and Modification of Highway Access, Makakilo and Palailai Interchanges." This project is an integral part in providing direct access in and out of the heart of Kapolei, facilitating continued development within Kapolei and catalyzing future development to the west, both mauka and makai of the H-1 Freeway.

Project Elements:

- Construction of a new Wakea Street Overpass to extend Wakea Street across H-1 Freeway for future connection to the proposed Mauka frontage road.
- Construction of westbound loop off-ramp from H-1 Freeway to Wakea Street to access Kapolei City.
- Construction of Farrington Highway, westbound on-ramp from Wakea Street to Farrington Highway fronting the water park.
- Installation of prestressed girders and the pouring of cast-in-place concrete decks for new overpass in phases with coordination of night closures of H-1 Freeway.
- Utilization of CarbonCure Technology for the first time as a sustainable transportation initiative to reduce CO_2 emissions. Installed 3,886 CY throughout project, which will offset about 350,000 pounds of CO_2.

JAMES CAMPBELL COMPANY LLC

DEPARTMENT OF TRANSPORTATION · STATE OF HAWAII

Client/Owner: State of Hawaii, Department of Transportation, Honolulu, HI
Client: James Campbell Company, LLC, Kapolei, HI
Entering Firm: Wilson Okamoto Corporation, Honolulu, HI

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