Transportation Research Board / HOV Systems Committee /
Arterial Applications Subcommittee
HOV Facilities on Arterials – Project Overview

US9

City / Area	Honolulu, Oahu, Hawai'I
Road Jurisdiction (Owner)	State of Hawai'I
Road Name	Kalanianaole Highway
Land Use / Surroundings	Suburban – highway links eastern suburbs to Honolulu CBD
Road Type / Function	4 lane undivided – 6 lane divided arterial; intersection spacing avg. 250m
Type of Priority Treatment	Median Contraflow lane + Median Concurrent Flow lane
Description	Inside lane of opposing traffic on 4-lane road reserved for HOVs (AM operation); HOV lane continues on left concurrent flow lane on 6-lane segment; in PM operation, HOV lane is left lane while contraflow lane and right lane are general traffic
Design Features	Plastic cones manually placed at 80' intervals
Limits of Priority Treatment	West Hind Drive to Hawaii Kai Drive (PM)
Length of Priority Treatment	1.9 mile contraflow + 0.5 mile concurrent flow
How Implemented	Lane conversion
Cost	
Vehicle Eligibility	HOV 3+
Hours of Priority Operation	weekdays 0600 – 0800 inbound; 1600 – 1830 outbound
Penalty for Violation	
Connectivity	
Usage (Bus / Carpools / Others)	16 bus/operating period (1970s)
Violation	Approx. 10% in PM
Enforcement	"not a significant problem"
Travel Time Savings / Benefits	7 minute trip for buses vs. 10 minutes for general traffic (after 4 years)
Date Opened	August, 1973
Changes Since Opening	Operated initially as AM bus lane; opened to 3+ vehicles in 1975; PM operation opened in 1987
Promotion / Marketing	
Notes	Contraflow operation requires turn restrictions
Source of Information	"Enforcement of Priority Treatment for Buses on Urban Streets", NCTRP Synthesis 2, TRB, May 1982; "Evaluation of the Kalanianaole Highway Carpool / Bus Lane", FHA Report No. FHWA-RD-77-100, USDoT, 1977
Summary last updated	September 2003
For further information	

Photo(s)

Caption

Photo credit

Key Map