

HIGHWAY DEFENSE REQUIREMENTS BRIDGE RECORDS




PEARL HARBOR AREA
ISLAND OF OAHU

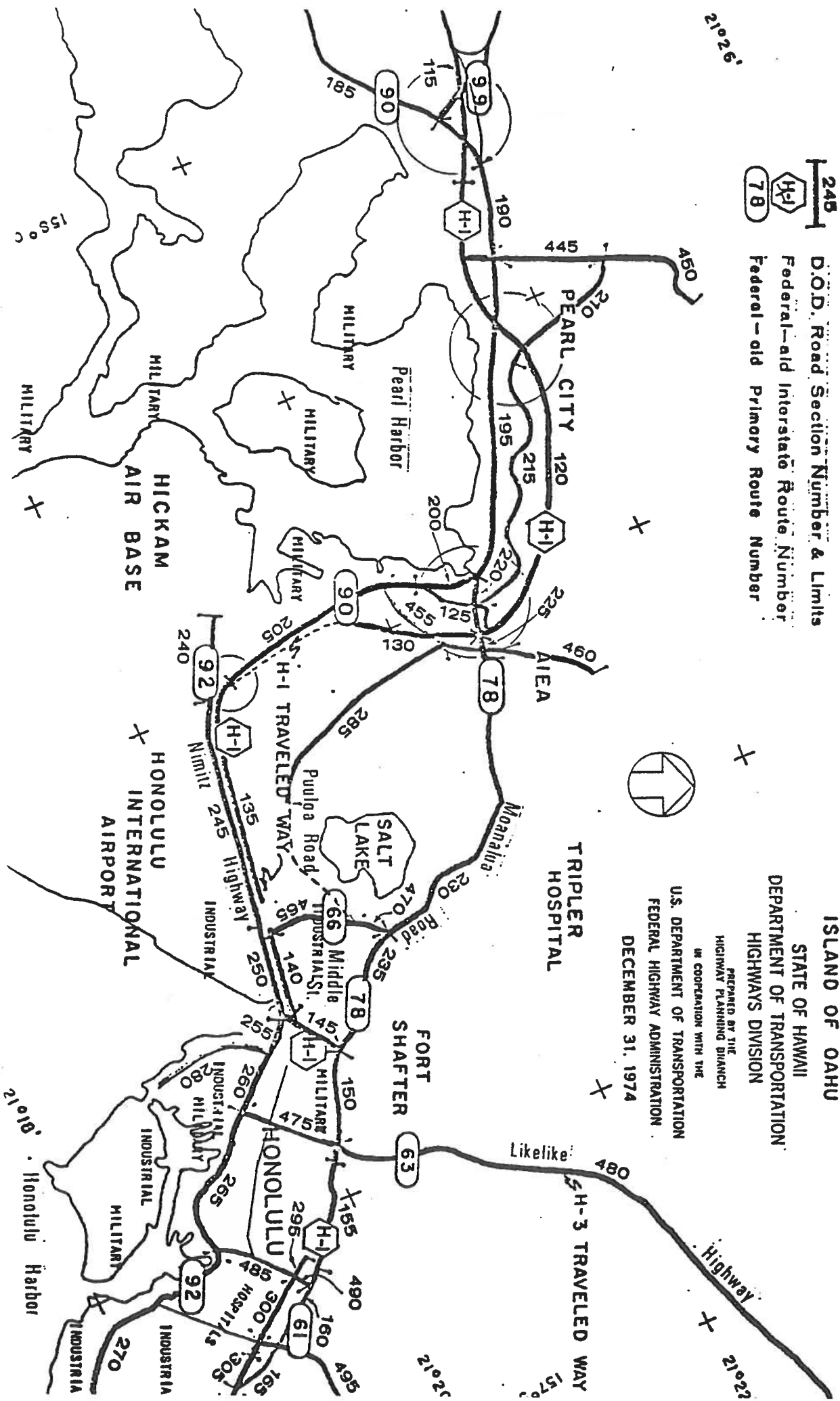
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
DECEMBER 31, 1974

PREPARED BY THE
HIGHWAY PLANNING BRANCH
IN COOPERATION WITH THE

LEGEND

-  245 D.O.D. Road Section Number & Limits
-  Federal-aid Interstate Route Number
-  Federal-aid Primary Route Number



157°58' 157°56' 157°54' 157°52' 21°24' 21°22' 21°20' 21°18'

HIGHWAY	LOCATION	CLEARANCE	
		Inbound	Outbound
H-1 FREEWAY	<i>Aiea Overpass</i>	16.1	16.1
	Palailai Interchange Structure	17.3	17.5
	Farrington Separation	17.5	17.4
	Makakilo Separation	17.4	18.6
	Kunia Separation	16.0	16.3
	Military Access Road Separation		17.6
	Manager's Drive Separation		16.7
	Waipahu Street Realignment	17.3	17.0
	Kamehameha Highway Connector	39.0	18.2
	Farrington Highway (Waiawa Interchange)	22.2	27.1
	Waiawa Road Realignment	16.0	16.6
	Lehua Avenue (Under Pearl City Viaduct)	14.5	15.3
	Kamehameha Hwy (Under Pearl City Viaduct)	16.8	15.4
	Moanalua Road (Waiau Interchange)	16.5	17.0
	Austin-Bishop Overpass (Kaahumanu St)	18.2	19.1
	Kaonoahi Separation	16.8	17.7
	Kaamilo Separation	21.6	19.8
	Mahiko Pedestrian Overpass	16.7	16.8
	Aiea Heights Drive Separation	16.8	17.5
	Kaimakani Street Separation	16.5	16.6
	Halawa Interchange Structure No. 3	24.4	21.8
	Halawa Interchange Structure No. 6	22.8	18.9
	Makalapa Pedestrian Overpass	17.2	18.0
	Salt Lake Blvd (Under North Leg Viaduct)	24.7	24.7
	Plantation Drive Realignment Separation	16.5	16.5+
	Structure No. 6 Over Ramp KE		16.7
	Middle Street (H-1 Tunnel)	15.1	----
	H-1 Out Ramp to Kam Hwy (Under King St)	----	16.2

HIGHWAY	LOCATION	CLEARANCE	
		Inbound	Outbound
	H-1 Out Ramp to Kam Hwy (Under Middle St Struc)	----	15.4
	H-1 Under Ramp to Kam Hwy	15.6	15.8
	Ola Lane Overpass	15.1	19.0+
	Ola Lane Overpass (Off Ramp to Kam Hwy)	----	15.9
	Richard Lane (Under H-1)	13.0	13.0
	Gulick Overpass	14.2	14.9
	Kalihi Interchange IB off ramp to Likelike Hwy	14.9	----
	Kalihi Interchange (Ewa Overpass)	16.2	15.6
	Kalihi Interchange (Honolulu Overpass)	16.5	16.7
	Kalihi Interchange OB off ramp to Likelike Hwy	----	15.1
	Ped. OP at Kalihi St off ramp to H-1 (IB)	14.8	----
	Houghtailing Underpass		15.0
H-1 FREEWAY	Vineyard Blvd Underpass at Palama Separation	----	16.9
	Palama Street Underpass at Palama Separation		15.0
	Liliha Street Overpass (Access Rd)	15.9	15.9
	Liliha Street Overpass	15.5	15.2
	Aala Street Overpass	14.9	14.5
	Nuuanu Avenue Overpass	15.3	15.3
	Pali Hwy Overpass	15.9	16.6
	Off Ramp - Pali Hwy to Punchbowl St	16.0	19.0+
	School St Overpass (H-1 IB to Pali Hwy OB)	----	14.8
	Queen Emma Overpass	14.9	16.9
	Queen Emma Overpass - Off Ramp to Punchbowl St	14.8	----
	Punchbowl Separation (Underpass)	----	15.5
	Miller St Ped. Overpass (Min. Ht. at O/H signs)	18.9	16.8
	Kinau Street Off Ramp	----	17.2
	Lunalilo-Vineyard Off Ramp	16.8	16.7

HIGHWAY	LOCATION	CLEARANCE	
		Inbound	Outbound
H-1 FREEWAY	Ward Avenue Separation	19.3	16.7
	Pensacola St (Under Makiki Viaduct)	16.5	
	Piikoi St (Under Makiki Viaduct)	19.7	
	Keeaumoku Street Overpass	16.3	16.4
	Punahou Street Overpass	15.8	15.6
	McCully Street Overpass	15.4	15.9
	McCully Street Overpass (Over Bingham Street)	15.7	
	Isenberg Street Pedestrian Overpass	15.6	15.9
	Isenberg St. Ped. OP (Wilder Ave Frontage Rd)	16.5	
	University Avenue (Under H-1)	14.2	16.1
	Kalo Lane (Under H-1)	14.1	
	H-1 OB Off Ramp to S King under Old Waialae Rd	----	16.2
	Old Waialae Road Separation	16.4	16.2
	Kapiolani Boulevard (Under H-1)	19.8	21.3
	Harding Avenue (Under H-1)	14.9	20.8
	2nd Avenue Pedestrian Overpass	16.6	16.7
	4th Avenue Pedestrian Overpass	16.5	16.5
	6th Avenue Separation	16.4	16.4
	7th Avenue Separation	16.9	16.7
	10th Avenue Separation (Under H-1)	18.4	18.4
	Kokohead Avenue Separation	18.0	16.7
	16th Avenue Separation	16.6	16.3
	Harding Avenue Separation	16.7	16.7
	19th Avenue Pedestrian Overpass	23.3	31.4
	Waialae Avenue Separation	18.7	17.0
	OB Frontage Road and Ramp WA (Waialae Viaduct)	15.0	16.0
	21st Avenue (Under Waialae Viaduct)	17.0	18.0

HIGHWAY	LOCATION	CLEARANCE	
		Inbound	Outbound
H-1 FREEWAY	Hunakai Street (Under Waialae Viaduct)	20.0	20.0
	Entrance to Kahala Mall (Under Waialae Viaduct)	17.0	18.0
	Kilauea Avenue (Under Waialae Viaduct)	16.0	17.0
	IB & OB Frontage Rds (KH end of Waialae Viad.)	15.0	15.0
H-2 FREEWAY	Ramp "M" to Waipahu St Realignment from H-2 IB to H-1 OB under Kam Hwy Connector	----	17.1
	H-2 IB to H-1 OB under Kam Hwy Connector	----	23.7
	H-1 IB to H-2 OB under Kam Hwy Connector	37.3	----
	H-1 IB to H-2 OB under H-1 Outbound	----	17.4
	Structure #15: H-1 IB to H-2 OB under H-2 IB	----	16.8
	Kam Hwy OB Ramp to H-1 OB under H-2 IB	----	19.1
	Kam Hwy OB Ramp to H-1 OB under H-2 OB	----	16.7
	Mililani Access Road Separation	16.5	16.5
	Pineapple Road Separation	16.8	16.8
	Mililani Interchange (Meheula Pkwy Separation)	17.3	21.9
	Leilehua I/C (Golf Course Rd Separation)	16.4	19.3
	East Range Road Separation		18.0
	Wahiawa Interchange (H-2 over Kam Hwy)	17.0	17.2
	Structures 13, 14, 15, & 16 over Cane Haul Rd		22.0
	H-3 FREEWAY	Mokapu Interchange (H-3 over Kaneohe Bay Dr)	15.0
Kailua Interchange (H-3 over Mokapu Saddle Rd)		17.0	18.0
Kapaa Quarry Rd Structure #1 (Road A-1)		18.0	
Kapaa Quarry Road Structure #2 (Road A-2)		18.1	

H-3 Tunnels : Actual Height 16'6"
 Detector set @ 16' even
 Allowable : 15'6"

HIGHWAY	LOCATION	CLEARANCE		
		Inbound	Outbound	
MOANALUA ROAD	Aiea I/C Structure #1 (Aiea Access Rd OP)	16.3	16.5	
	OH Sign on Aiea Access Rd ramp to Kam Hwy IB	16.2	----	
	OH Sign on Ramp from Kam Hwy OB to Moanalua Rd	----	17.2	
	Pedestrian Overpass over Moanalua Rd	15.6	15.9	
	Pedestrian Overpass at Off Ramp to Aiea	----	15.7	
	Halawa Interchange Structure #3	16.5	17.4	
	Halawa Interchange Structure #7	17.3	20.4	
	Halawa Heights Rd Overpass (Structure #10)	16.8	20.2	
	Ala Kapuna Overpass	17.3	17.2	
	Ala Aolani Underpass		16.2	
	Ped. OP over Moanalua Rd Off Ramp to Puuloa Rd	16.9	----	
	Puuloa Rd separation over Moanalua Rd	17.4	21.4	
	MOANALUA ROAD	Puuloa Rd off ramp to Moanalua Rd OB (Over Moanalua Rd)	20.4	22.0
Moanalua Rd IB off ramp to Ahua St		20.1	----	
Puuloa Rd off ramp to Ahua St/Moanalua Rd IB		17.9	----	
Puuloa Rd Structure over Puuloa Rd off ramp to Moanalua Rd OB		----	17.9	
Damon Overpass		16.9	18.9	
Fort Shafter Overpass over Moanalua Rd		17.3	18.3	
Fort Shafter OP over Frontage Rd to Ft Shafter and Middle St		16.7	----	
OH Sign Clearance on Frontage Rd to Middle & King Sts.		15.0	----	
KALANIANAOLE HIGHWAY		Pedestrian Overpass at Ulupii St	15.6	15.6
		Pedestrian Overpass at Lunalilo Home Rd	17.0	16.0

HIGHWAY	LOCATION	CLEARANCE	
		Inbound	Outbound
PALI HIGHWAY	Ramp to Punchbowl Street	16.0	16.6
	Pedestrian Overpass at Kuakini St	15.5	14.9
	Wyllie Street Overpass	15.1	16.3
LIKELIKE HIGHWAY	Kula Kolea Pedestrian Overpass	15.2	15.3
	Burmeister Overpass	21.2	16.7
	Anoi Rd Pedestrian Overpass	15.4	15.6
VINEYARD BLVD	H-1 over Vineyard Blvd at Palama Separation	----	16.9
	Central Intermediate School Ped. Overpass	15.1	15.1
FARRINGTON HIGHWAY	Waiawa OP (Junction of Kam Hwy & Farr Hwy)	----	16.3
	Waiawa I/C Overpass near Waipahu High School	15.0	15.0
	Waiawa Interchange (Near Leeward)	16.2	----
	Cane Haul Overpass (Waialua)		16.1
KANEOHE BAY DRIVE / MOKAPU SADDLE ROAD	Pedestrian OP at Kokokahi (Kaneohe Bay Dr)		15.6
	Mokapu Interchange Structure (Kaneohe Bay Dr)	15.4	18.0
	Kailua Interchange Structure (Mokapu Saddle Rd)	17.0	18.0
HALAWA HEIGHTS ROAD	Halawa Heights Rd Overpass (Puumakani St)		15.0
	North Leg Viaduct		17.5
	Ramp to Stadium from Halawa Hts Rd under North Leg Viaduct		16.0
FT WEAVER ROAD	Wooden Flume near Ewa Hospital		20.5

HIGHWAY	LOCATION	CLEARANCE	
		Inbound	Outbound
KAMEHAMEHA HIGHWAY	Aiea I/C Struc. #4 (Between Salt Lake Blvd & Laulima)	16.4	16.3
	Aiea I/C Struc. #2 (Off Ramp from Kam Hwy IB to Moanalua Rd IB)	17.4	15.0
	H-1 OP (Pearl City Viaduct) Between Puu Poni St & Kuleana Rd)	16.8	15.4
	Concrete Flume near Mililani Cemetery Rd		16.2
	Mililani Pedestrian Overpass		17.2
	H-2 Overpass (Wahiawa Interchange)	17.0	17.2
	Wilson Bridge		12.6
	Karsten Thot Bridge		14'-11"
	Kaneohe Elementary School Ped. Overpass	15.8	15.7
KAPIOLANI BLVD	Ped. OP on Kapiolani Blvd near Waiaka Rd		16.2

VERTICAL CLEARANCES

WEST SIDE:

	OUTBOUND	INBOUND
1. Vineyard Blvd. @ Central Intermediate School - pedestrian overpass	15.1	15.1
2. Nimitz Hwy. @ Puuloa Rd. - traffic signals only	15.5	15.5
3. Kamehameha Hwy. @ Aiea Access Rd. overpass	16.2	16.2
4. Kamehameha Hwy. under Aiea on-ramp structure	15.6L, 16.5R	17.2
5. Kamehameha Hwy. @ Waiiau Power Plant	15.4L, 16.0M, 17.0+R	16.8
6. Lehua Ave. under H-1 by Pearl City Baseyard	15.3 Makai Bd	14.5 Mauka Bd
7. Kamehameha Hwy. @ Kula St. Near Pearl City Industrial Park	15.4L, 15.8R	
8. Kamehameha Hwy. @ Waiawa Rd.		15.8L, 17.0M, 19.4R
9. Farrington Hwy. vicinity of Waipahu High School (under Kam Hwy. ramp)	15.2L, 15.6R	15.0L, 15.5R
10. Kamehameha Hwy. @ Millilani Flume	16.6	15.0
11. Kamehameha Hwy. @ pedestrian overpass Millilani	17.0	17.0
12. Kamehameha Hwy. @ Karston Thot Bridge	13.0	13.0
13. Farrington Hwy. @ Kunia Rd. & Fort Weaver Rd.	17.0	17.0
14. Kunia Rd. under H-1 overpass	16.1L, 16.5R	15.8
15. Likelike Hwy. under pedestrian overpass @ Kula Kolea Dr.	15.5	15.0
16. Likelike Hwy. under Burmeister overpass	17.0L, 19.0R	20.4L, 23.7R
17. Likelike Hwy. @ Wilson Tunnel (actual height 14.2 both ways, allowable 11.5 north)		11.5 south

EAST SIDE:

1. Pali Hwy. @ the Pali Tunnel	13.6 north	13.6 south
2. Pali Hwy. @ Wylie St. overpass	19.6 north	19.6 south
3. Pali Hwy. @ Kuakini pedestrian overpass	14.9 north	15.5 south
4. Pali Hwy. @ School St. under on-ramp	16.6	16.0
5. Kapiolani Blvd. under pedestrian overpass near Kaimuki High School	16.7	16.2L, 16.7R
6. Kapiolani Blvd. & Waiialae Ave. under H-1 viaduct	20.0	20.0
7. Waiialae Ave. under H-1 viaduct-West end of Kahala Mall	17.0	16.0
8. Waiialae Ave. under H-1 viaduct-East end of Kahala Mall	16.1	15.8
9. Kilauea Ave. (makai side), under H-1 viaduct	19.0 makai & mauka	19.0 makai & mauka
0. Hunakai St. (makai side), under H-1 viaduct	20.0 makai & mauka	20.0 makai & mauka
1. Kalaniana'ole Hwy. under pedestrian overpass by Lunalilo Home Rd.	16.0	17.0
2. Kalaniana'ole Hwy. under pedestrian overpass by Ulupii St. (H.Y.C.F.)	16.2 Kaneohe Bd.	15.9L, 16.7R Hawaii Kai Bd.
3. Kamehameha Hwy. pedestrian overpass near Kaneohe Elem. School	15.7L, 17.0R Kaneohe Bd.	17.0 Pali Hwy. Bd.
4. Kaneohe Bay Dr. pedestrian overpass near Kokokahi YMCA	15.7 Kailua Bd.	15.4 Kaneohe Bd.
5. Mokapu Blvd. under H-3 viaduct	18.0	20.0
6. Kaneohe Bay Dr. under H-3 near Mokapu Interchange	18.0 Kailua Bd.	15.7 Kaneohe Bd.
7. Likelike Hwy. pedestrian overpass near Anoi Rd.	15.4L, 15.5R	14.7L, 15.8R

*note: Kamehameha Hwy under the Airport viaduct, west bound, just prior 16.10L, 16.11M, 17.1R to Kakoi St., 3rd overhead span (SPAN#23), STA. 230+20.47