

ESTIMATED STRUCTURAL QUANTITIES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-083-1(24)	1990	00	125

CANE HAU ROAD BRIDGE

ITEM NO.	ITEM	UNIT	QUANTITIES
206.6003	Structural Excavation for Bridges	C.Y.	2400
206.7203	Structural Backfill for Bridge Abutments, Wingwalls & Pile Caps	C.Y.	640
206.8213	Filter Material for Bridge Abutments & Wingwalls	C.Y.	95
503.1903	Concrete in Bridges (Except Footings)	L.S.	(480 C.Y.)
503.1943	Concrete in Bridge Footings	L.S.	(521 C.Y.)
503.3203	AASHTO Type III Prestressed Concrete Girders	L.F.	910
505.0013	Pile Load Test	Eq.	1
505.0433	Precast, Prestressed Concrete Piles, Furnished (16 1/2" Octagonal)	L.F.	12,301
505.4303	Precast, Prestressed Concrete Piles, Driven (16 1/2" Octagonal)	L.F.	12,124
505.9003	Extension or "Build-ups" of Piles	F.A.	F.A.
507.7103	Metal Bridge Railing - One Rail on Parapet	L.F.	320
602.1303	Reinforcing Steel in Bridges	L.S.	(217,000 LBS)
612.0103	Grouted Rubble Paving	C.Y.	360

UKOA POND BRIDGE

ITEM NO.	ITEM	UNIT	QUANTITIES
206.6005	Structural Excavation for Bridges	C.Y.	600
206.7205	Structural Backfill for Bridge Abutments, Wingwalls & Pile Caps	C.Y.	230
206.8215	Filter Material for Bridge Abutments & Wingwalls	C.Y.	72
503.1905	Concrete in Bridges (Except Footings)	L.S.	(585 C.Y.)
503.1945	Concrete in Bridge Footings	L.S.	(110 C.Y.)
503.3205	AASHTO Type III Prestressed Concrete Girders	L.F.	1860
503.4505	Keelhi Type III Prestressed Concrete Girders	L.F.	630
505.0015	Pile Load Test	Eq.	1
505.0435	Precast, Prestressed Concrete Piles, Furnished (16 1/2" Octagonal)	L.F.	573
505.4305	Precast, Prestressed Concrete Piles, Driven (16 1/2" Octagonal)	L.F.	558
505.9005	Extension or "Build-ups" of Piles	F.A.	F.A.
507.7105	Metal Bridge Railing - One Rail on Parapet	L.F.	600
509.0605	Cast-in-place Concrete Piles in Drilled Holes	L.F.	549
602.1305	Reinforcing Steel in Bridges	L.S.	(202,000 LBS)
612.0105	Grouted Rubble Paving	C.Y.	290

ANAHULU STREAM BRIDGE

206.6004	Structural Excavation for Bridges	C.Y.	3400
206.7204	Structural Backfill for Bridge Abutments, Wingwalls & Pile Caps	C.Y.	790
206.8214	Filter Material for Bridge Abutments & Wingwalls	C.Y.	90
503.1904	Concrete in Bridges (Except Footings)	L.S.	(620 C.Y.)
503.1944	Concrete in Bridge Footings	L.S.	(760 C.Y.)
503.4504	Keelhi Type IV Prestressed Concrete Girder	L.F.	1582
505.0014	Pile Load Test	Eq.	1
505.0434	Precast, Prestressed Concrete Piles, Furnished (16 1/2" Octagonal)	L.F.	9494
505.4304	Precast, Prestressed Concrete Piles, Driven (16 1/2" Octagonal)	L.F.	9230
505.9004	Extension or "Build-ups" of Piles	F.A.	F.A.
507.7104	Metal Bridge Railing - One Rail on Parapet	L.F.	512
602.1304	Reinforcing Steel in Bridges	L.S.	(274,000 LBS)
612.0104	Grouted Rubble Paving	C.Y.	320

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

SSFM ENGINEERS INC.
501 Sumner St., #502
Honolulu, Hawaii 96817

DWIGHT HAMORU OKAWA
REGISTERED PROFESSIONAL ENGINEER
No. 4543-S
HAWAII, U.S.A.

This work was prepared by me or under my supervision.
Dwight M. Okawa

6-12-91	CHANGE UKOA POND QUANTITIES DUE TO CHANGE OF SPAN 1 LENGTH FROM 60' TO 90'
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ESTIMATED QUANTITIES	
KAMEHAMEHA HIGHWAY - HELEMANO/WAIALUA JUNCTION TO HALEIWA BEACH PARK (STRUCTURES) FAP NO. F-083-1(24)	
SHEET No. 52 OF SHEETS	