

Haleakala Highway Widening, Hana Highway to Pukalani Bypass, Phase 2  
 Districts of Wailuku & Makawao, Island of Maui  
 Federal-Aid Project No. NH-037-1(24)

Sample

**108.08 - Liquidated Damages for Failure to Complete the Work or Portions of the Work On Time**  
**State Personnel as discussed with Charlene Shibuya (11/24/04)**

		QTY	Mnhrs/day	Hrly Rate	Daily Cost
CE IV (SR-24)-Resident Engr	Full Time	1	8	\$ 28.87	\$ 230.96
CE III (SR-22)-Testing	Half Time	1	4	\$ 25.66	\$ 102.64
Inspector IV (SR-21)	Full Time	1	8	\$ 24.67	\$ 197.36
Inspector IV (SR-21)	Half Time	1	4	\$ 24.67	\$ 98.68
Surveyor Party Chief (SR-22)	Full Time	1	8	\$ 25.62	\$ 204.96
Surveyor (SR-20)	Full Time	1	8	\$ 23.72	\$ 189.76

Subtotal \$ 1,024.36

Total Including Benefits (60%) & Indirect Costs (51.9%) **\$ 2,489.60**

State Equipment	Qty	Hrs/Day	Daily Rate	Daily Cost
Vehicle	3	8	\$ 54.76	\$164.28
Vehicle	2	4	\$ 54.76	\$54.76
Computer	6	2	\$ 4.19	\$6.29
Printer	6	2	\$ 0.86	\$1.29
Copy Machine	1	2	\$ 9.52	\$2.38
Fax Machine	1	2	\$ 0.24	\$0.06
Cell Phones	5	2	\$ 5.71	\$7.14
Office Supplies				\$5.00

Total **\$241.19**

**Construction Management (CM) Consultants requested by Charlene Shibuya (11/15/04)**

		No.	Mnhrs/day	Rate	Daily Cost
Engineer	Full Time	1	8	\$105.00	\$840.00
Inspector	Full Time	2	8	\$75.00	\$1,200.00

Total **\$2,040.00**

CM Equipment	Qty		Daily Rate	Daily Cost
Vehicle	3		\$ 54.76	\$164.28
Computer	3		\$ 4.19	\$12.57
Printer	3		\$ 0.86	\$2.58
Copy Machine	1		\$ 9.52	\$9.52
Fax Machine	1		\$ 0.24	\$0.24
Cell Phones	3		\$ 5.71	\$17.13
Office Supplies				\$5.00

Total **\$211.32**

**CALCULATED LIQUIDATED DAMAGES PER WORKING DAY =** **\$4,982**  
**Say** **\$5,000**

Note: Compare the determined liquidated damage amount with amount in Table 108-I.  
 Determined amount should not be less than the amount in Table 108-I.