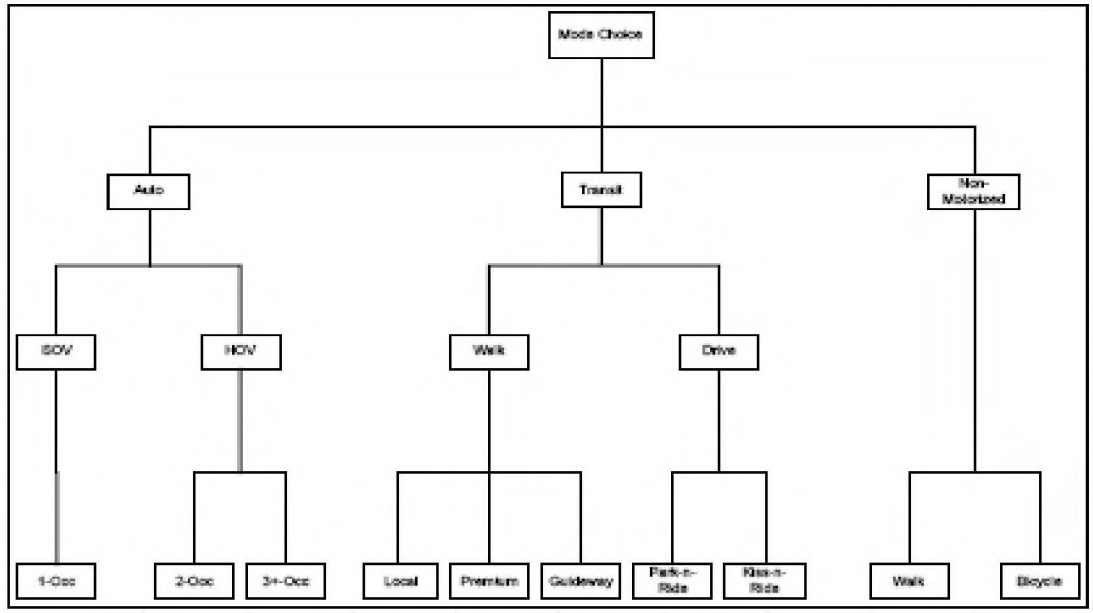
	A	B	C	D	E	F	G	H	I	J	K	L	M
1		Purpose	Journey To/From Work				Journey At Work (JAW)		Non-Work Related				
2			(JTW)						(NWR)				
3	Existing	Coefficient	HBW	HBNW	WB	NB	WB	NB	HBK12	HBCol	HBShp	HBOth	NHB
4		**Generic**											
5		In-vehicle Time	-0.0185	-0.0185	-0.0185	-0.0185	-0.0181	-0.0181	-0.0110	-0.0185	-0.0181	-0.0181	-0.0181
6		Walk time	-0.0370	-0.0370	-0.0370	-0.0370	-0.0362	-0.0362	-0.0220	-0.0370	-0.0362	-0.0362	-0.0362
7		Wait time	-0.0318	-0.0318	-0.0318	-0.0318	-0.0362	-0.0362	-0.0185	-0.0318	-0.0362	-0.0362	-0.0362
8		Cost	-0.0031	-0.0031	-0.0031	-0.0031	-0.0449	-0.0449	-0.0040	-0.0031	-0.0449	-0.0449	-0.0449
9		Transfers	-0.0918	-0.0918	-0.0918	-0.0918	-0.2172	-0.2172	-0.1110	-0.0918	-0.2172	-0.2172	-0.2172
10													
11		**Nesting Coefficient**											
12		Access	0.447	0.447	0.447	0.447	0.447	0.447	0.447	0.447	0.447	0.447	0.447
13		Path	0.447	0.447	0.447	0.447	0.447	0.447	0.447	0.447	0.447	0.447	0.447
14		Lot	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
15		Auto	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
16		Occupancy	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
17		Auxiliary	1	1	1	1	1	1	1	1	1	1	1
18													
19													
20		Purpose	Journey To/From Work				Journey At Work (JAW)		Non-Work Related				
21			(JTW)						(NWR)				
22	Variable Relationships	Coefficient	HBW	HBNW	WB	NB	WB	NB	HBK12	HBCol	HBShp	HBOth	NHB
23		**Generic**											
24		In-vehicle Time	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		Walk time	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
26		Wait time	3.4378	3.4378	3.4378	3.4378	4.0000	4.0000	3.3636	3.4378	4.0000	4.0000	4.0000
27		Cost	0.1676	0.1676	0.1676	0.1676	2.4807	2.4807	0.3636	0.1676	2.4807	2.4807	2.4807
28		Transfers	4.9622	4.9622	4.9622	4.9622	12.0000	12.0000	10.0909	4.9622	12.0000	12.0000	12.0000
29			$3.58	$3.58	$3.58	$3.58	$0.24	$0.24	$1.65	$3.58	$0.24	$0.24	$0.24
30													
31	Proposed Values	**Generic**											
32		In-vehicle Time	-0.0250	-0.0250	-0.0250	-0.0250	-0.0200	-0.0200	-0.0100	-0.0250	-0.0100	-0.0100	-0.0100
33		Walk time	-0.0500	-0.0500	-0.0500	-0.0500	-0.0400	-0.0400	-0.0200	-0.0500	-0.0200	-0.0200	-0.0200
34		1st Wait <5	-0.0500	-0.0500	-0.0500	-0.0500	-0.0400	-0.0400	-0.0200	-0.0500	-0.0200	-0.0200	-0.0200
35		1st Wait >5	-0.0250	-0.0250	-0.0250	-0.0250	-0.0200	-0.0200	-0.0100	-0.0250	-0.0100	-0.0100	-0.0100
36		Transfer Wait	-0.0500	-0.0500	-0.0500	-0.0500	-0.0400	-0.0400	-0.0200	-0.0500	-0.0200	-0.0200	-0.0200
37		Cost	-0.0042	-0.0042	-0.0042	-0.0042	-0.0050	-0.0050	-0.0084	-0.0042	-0.0084	-0.0084	-0.0084
38		Transfers	-0.1241	-0.1241	-0.1241	-0.1241	-0.2400	-0.2400	-0.1200	-0.1241	-0.1200	-0.1200	-0.1200
39													
40		**Nesting Coefficient**											



Non-Work Cost Coefficient=2*Home-Based Work; NHB Cost Coefficient=0.6*Non Work

	A	B	C	D	E	F	G	H	I	J	K	L	M
41		Access	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
42		Path	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
43		Lot	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
44		Auto	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
45		Occupancy	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
46		Auxiliary	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
47		Toll	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
48		Value Of Time	$3.58	$3.58	$3.58	$3.58	$2.39	$2.39	$0.72	$3.58	$0.72	$0.72	$0.72

	N	O	P	Q	R	S	T	U	V	W	X
41	Walk & Drive To Transit										
42	Walk Access to Transit (local, express, guideway)										
43	Drive Access to Transit (pnr & knr)										
44	Drive Alone & Shared Ride										
45	2 & 3+ Person Auto										
46	Walk & Bike										
47	Toll & non-toll										
48											

	A	B	C	D	E
1		Purpose			Jourr
2					
3		Coefficient	HBW	HBNW	WB
4	Basic Coefficient Values	**Generic**			
5		In-vehicle Time	-0.0250	-0.0250	-0.0250
6		Walk time	-0.0500	-0.0500	-0.0500
7		1st Wait <5	-0.0500	-0.0500	-0.0500
8		1st Wait >5	-0.0250	-0.0250	-0.0250
9		Transfer Wait	-0.0500	-0.0500	-0.0500
10		Cost	-0.0042	-0.0042	-0.0042
11		Transfers	-0.1241	-0.1241	-0.1241
12					
13		Time Savings	0.2710	0.2710	0.2710
14		Distance	0.0700	0.0700	0.0700
15		Excess Distance	-0.0700	-0.0700	-0.0700
16		Toll Cost	-0.0010	-0.0010	-0.0010
17					
18		**Nesting Coefficient**			
19		Access	0.7	0.7	0.7
20		Path	0.5	0.5	0.5
21		Lot	0.5	0.5	0.5
22		Auto	0.7	0.7	0.7
23		Occupancy	0.5	0.5	0.5
24		Auxiliary	0.7	0.7	0.7
25		Toll	0.3	0.3	0.3
26					
27		Toll Value of Time	$15.00	$15.00	$15.00
28		Value Of Time	$3.58	$3.58	$3.58
29					
30	Toll Model Modification	Time Savings			
31		Distance			
32		Excess Distance			
33		Toll Cost	-0.0013	-0.0013	-0.0013
34					
35		**Nesting Coefficient**			
36		Access	0.7	0.7	0.7
37		Path	0.5	0.5	0.5
38		Lot	0.5	0.5	0.5
39		Auto	0.7	0.7	0.7
40		Occupancy	0.5	0.5	0.5
41		Auxiliary	0.7	0.7	0.7
42		Toll (Drive Alone)	0.5	0.5	0.5

	F	G	H	I	J	K	L	M	N	O	P
1	ey To/From Work	Journey At Work (JAW)		Non-Work Related							
2	(JTW)			(NWR)							
3	NB	WB	NB	HBK12	HBCol	HBShp	HBOth	NHB			
4											
5	-0.0250	-0.0200	-0.0200	-0.0100	-0.0250	-0.0100	-0.0100	-0.0100			
6	-0.0500	-0.0400	-0.0400	-0.0200	-0.0500	-0.0200	-0.0200	-0.0200			
7	-0.0500	-0.0400	-0.0400	-0.0200	-0.0500	-0.0200	-0.0200	-0.0200			
8	-0.0250	-0.0200	-0.0200	-0.0100	-0.0250	-0.0100	-0.0100	-0.0100			
9	-0.0500	-0.0400	-0.0400	-0.0200	-0.0500	-0.0200	-0.0200	-0.0200			
10	-0.0042	-0.0050	-0.0050	-0.0084	-0.0042	-0.0084	-0.0084	-0.0084			
11	-0.1241	-0.2400	-0.2400	-0.1200	-0.1241	-0.1200	-0.1200	-0.1200			
12											
13	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710	0.2710			
14	0.0700	0.0700	0.0700	0.0700	0.0700	0.0700	0.0700	0.0700			
15	-0.0700	-0.0700	-0.0700	-0.0700	-0.0700	-0.0700	-0.0700	-0.0700			
16	-0.0010	-0.0008	-0.0008	-0.0004	-0.0010	-0.0004	-0.0004	-0.0004			
17											
18											
19	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	Walk & Drive To Transit		
20	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	Walk Access to Transit (local, express,		
21	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	Drive Access to Transit (pnr & knr)		
22	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	Drive Alone & Shared Ride		
23	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2 & 3+ Person Auto		
24	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	Walk & Bike		
25	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	Toll & non-toll		
26											
27	$15.00	$15.00	$15.00	$15.00	$15.00	$15.00	$15.00	$15.00			
28	$3.58	$2.39	$2.39	$0.72	$3.58	$0.72	$0.72	$0.72			
29											
30											
31	eliminated to simplify model for analysis										
32											
33	-0.0013	-0.0014	-0.0014	-0.0010	-0.0026	-0.0010	-0.0010	-0.0010			
34											
35											
36	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7			
37	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
39	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7			
40	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
41	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7			
42	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			

	A	B	C	D	E
43		Toll (Shared Ride	0.9	0.9	0.9
44					
45		Toll Value of Time	$11.50	$11.50	$11.50
46					
47		**Income/Value-of-Time calculations**			
48					
49		Costs in model are $1996			
50					
51		According to U.S. Census SFF3 for Honolulu County			
52					
53				real $	$1996
54		1990 Median Income		$40,581	$48,697
55		2000 Median Income		$51,914	$47,242
56					
57		1996 Median Income			$47,824
58		Average wage rate			$22.99
59		Work VOT			$11.50
60		Non-Work VOT			$5.75
61		At-Work VOT			$8.62
62					
63		(used BLS CPI calculator at http://data.bls.gov/cgi-bin/cpicalc.pl to convert income from real to constant dollars)			

	F	G	H	I	J	K	L	M	N	O	P
43	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9			
44											
45	$11.50	$8.62	$8.62	$5.77	$5.75	$5.77	$5.77	$5.77			
46											
47											
48											
49											
50											
51											
52											
53											
54											
55											
56											
57	1990 income + .6*(2000 income - 1990 income)										
58	Median income/2080 hours per year										
59	UTM recommendations										
60	Asserted										
61	Asserted										
62											
63											