

ISLAND TRANSIT

SERVICE AND COST ANALYSIS FOR FAREBOXES

In accordance with the GFI Technical/Preventative Maintenance Manual for a GFI Farebox, the recommended cleaning and disassembly is after 50,000 uses.

MAINTENANCE COSTS

Number of buses	70
Total Passengers	1,125,693
Service Recommendations	50,000
Total Services	23
Hours of Preventative Maintenance Service (6.21 HR/EA)	143
Total Fareboxes - Fareboxes already PM'd	47
Hours of Annual Service	295
Total hours of PM service	438
Est. of Corrective Maintenance (5 calls/year/box x 1 hr.)	350
Total fleet hours of Farebox Servicing	788
Full Time Employee loaded labor rate	\$32.30

FTE Maintenance Support Annual Cost:	\$25,443.32
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PER HOUR ANALYSIS

MANHOURS

Bill transport	2.28
Electronic lock	0.16
Coin mechanism	1.20
Coin Escrow	0.21
Cash box	1.10
Bill stuffer	1.25
Others	0.01
TOTAL HOURS MAINT PER BOX	6.21

CAPITAL COST FOR FLEET

COST EA.

COST 70

Electronic Box	\$13,000	\$910,000
Installation On-Site	\$475	\$33,250
SUBTOTAL FAREBOXES:		\$943,250

BASE SYSTEM: Audit Unit	\$7,800
BASE SYSTEM: Data Coll.System	\$35,000
BASE SYSTEM: Revenue Coll. Unit	\$25,000
SUBTOTAL BASE SYSTEM:	\$67,800

TOTAL CAPITAL COST FOR FAREBOXES:	\$1,011,050
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COST OF ADDITIONAL RIDER TIME

ADDED SERVICE REQUIRED TO MEET CONNECTIONS DUE TO 30 SECONDS/RIDE	34,908
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ANNUAL COST ADD'L. SERVICE REQUIRED FOR CHARGING FARES:	\$3,826,964
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TOTAL ANNUAL COST TO SERVICE 70 FAREBOXES:	\$25,443.32
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TOTAL ADDITIONAL ANNUAL COST DUE TO FAREBOXES:	\$3,852,407
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FARES AT \$1 (-40% RIDERSHIP):	\$675,416
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ANNUAL LOSS OF PUBLIC FUNDS DUE TO CHARGING FARES:	\$3,176,992
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PLUS ONE-TIME CAPITAL FAREBOX COST FOR CURRENT FLEET:	\$1,011,050
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PLUS ADD'L. CAP BUS COSTS DUE TO 30 SECOND/RIDER SCHEDULING NEEDS	\$3,137,241
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TOTAL FIRST YEAR COSTS DUE TO CHARGING FARES:	\$7,325,283
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****NOTE: THERE ARE ALSO ADDITIONAL COSTS TO SET UP STATE AUDIT REQUIRED PROCESSES TO COLLECT FARES: ENCLOSED SECURE ROOM, 2 EMPLOYEES COUNTING MONEY, COST OF ARMORED TRANSPORTATION, EXTRA ANNUAL AUDIT COSTS, ETC.**

**ISLAND TRANSIT
ANNUAL PROJECTED COSTS/REVENUES DUE TO CHARGING FARES**

	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	YEAR 7	YEAR 8	YEAR 9	YEAR 10	YEAR 11	YEAR 12	YEAR 13
FARES @ \$1	\$675,416	\$688,924	\$702,703	\$716,757	\$731,092	\$745,714	\$760,628	\$775,841	\$791,357	\$807,185	\$823,328	\$839,795	\$856,591
FAREBOX COST W/2% PARTS/REP ANN.	\$1,011,050	\$20,221	\$20,221	\$20,221	\$20,221	\$20,221	\$20,221	\$20,221	\$20,221	\$20,221	\$20,221	\$20,221	\$1,364,918
EXTRA ANNUAL SERVICE HOURS	\$3,826,964	\$3,903,503	\$3,981,573	\$4,061,205	\$4,142,429	\$4,225,277	\$4,309,783	\$4,395,979	\$4,483,898	\$4,573,576	\$4,665,048	\$4,758,349	\$4,853,516
6 MID-SIZE BUSES DEP OVER 5 YEARS	\$131,369	\$131,369	\$131,369	\$131,369	\$131,369	\$151,075	\$151,075	\$151,075	\$151,075	\$151,075	\$173,736	\$173,736	\$173,736
6 40' BUSES DEP OVER 12 YEARS	\$197,886	\$197,886	\$197,886	\$197,886	\$197,886	\$197,886	\$197,886	\$197,886	\$197,886	\$197,886	\$197,886	\$197,886	\$267,145
FARES - COSTS:	-\$4,491,853	-\$3,564,055	-\$3,628,346	-\$3,693,924	-\$3,760,813	-\$3,848,745	-\$3,918,336	-\$3,989,319	-\$4,061,722	-\$4,135,573	-\$4,233,562	-\$4,310,396	-\$5,802,724
													TOTAL LOSS 13 YEARS: -\$53,439,368