EXAMPLE
LIFE CYCLE COST ANALYSIS TOOL
Current Maintenance Practices
BASED ON 30' TRANSIT COACH

Asset Type	30' Bus
Useful Life	12 years
First Cost	$ 250,000
Inflate Rate *1	3%
PM & Insp.	$ 225.00
Engine R/R	$ 12,000
Trans R/R	$ 7,000
Brake program	$ 3,000
Tire program	$ 2,400
Miles/Year	36,000
Miles/PM	6,000
Engine Miles	300,000
Trans Miles	200,000
Brake Miles	50,000
Tire Miles	60,000
Road Calls/per call	$ 450
Multipliers based on inflation	
Year 1	1.00
Year 2	1.03
Year 3	1.0609
Year 4	1.0927
Year 5	1.1255
Year 6	1.1593
Year 7	1.1941
Year 8	1.2299
Year 9	1.2668
Year 10	1.3048
Year 11	1.3439
Year 12	1.3842

ASSET LIFE	PM & Inspection		Engine RR		Trans. RR		Brake program		Tire program		Road Calls		Projected Total Ownership
	# per year	Cost	Year (x)	Cost	Year (x)	Cost	Year (x)	Cost	Year (x)	Cost	# per year	Cost	
Year 1	6	$ 1,350		$ -		$ -		$ -		$ -	6	$ 2,700	$ 4,050
Year 2	6	$ 1,391		$ -		$ -	x	$ 3,090	x	$ 2,472	6	$ 2,781	$ 9,734
Year 3	6	$ 1,432		$ -		$ -		$ -		$ -	6	$ 2,864	$ 4,297
Year 4	6	$ 1,475		$ -		$ -	x	$ 3,278	x	$ 2,623	6	$ 2,950	$ 10,326
Year 5	6	$ 1,519		$ -		$ -		$ -		$ -	6	$ 3,039	$ 4,558
Year 6	6	$ 1,565		$ -	x	$ 8,115	x	$ 3,478	x	$ 2,782	6	$ 3,130	$ 19,070
Year 7	6	$ 1,612		$ -		$ -		$ -		$ -	6	$ 3,224	$ 4,836
Year 8	6	$ 1,660		$ -		$ -	x	$ 3,690		$ -	6	$ 3,321	$ 8,671
Year 9	6	$ 1,710	x	$ 15,201		$ -		$ -		$ -	6	$ 3,420	$ 20,332
Year 10	6	$ 1,761		$ -		$ -	x	$ 3,914	x	$ 3,131	6	$ 3,523	$ 12,330
Year 11	6	$ 1,814		$ -		$ -		$ -		$ -	6	$ 3,629	$ 5,443
Year 12	6	$ 1,869		$ -		$ -		$ -		$ -	6	$ 3,737	$ 5,606
TOTALS		**$ 19,159**		**$ 15,201**		**$ 8,115**		**$ 17,450**		**$ 11,008**		**$ 38,318**	**$ 109,252**

*1 The rate used as the inflation factor is agency specific, consult your finance officer for the applicable rate in your area

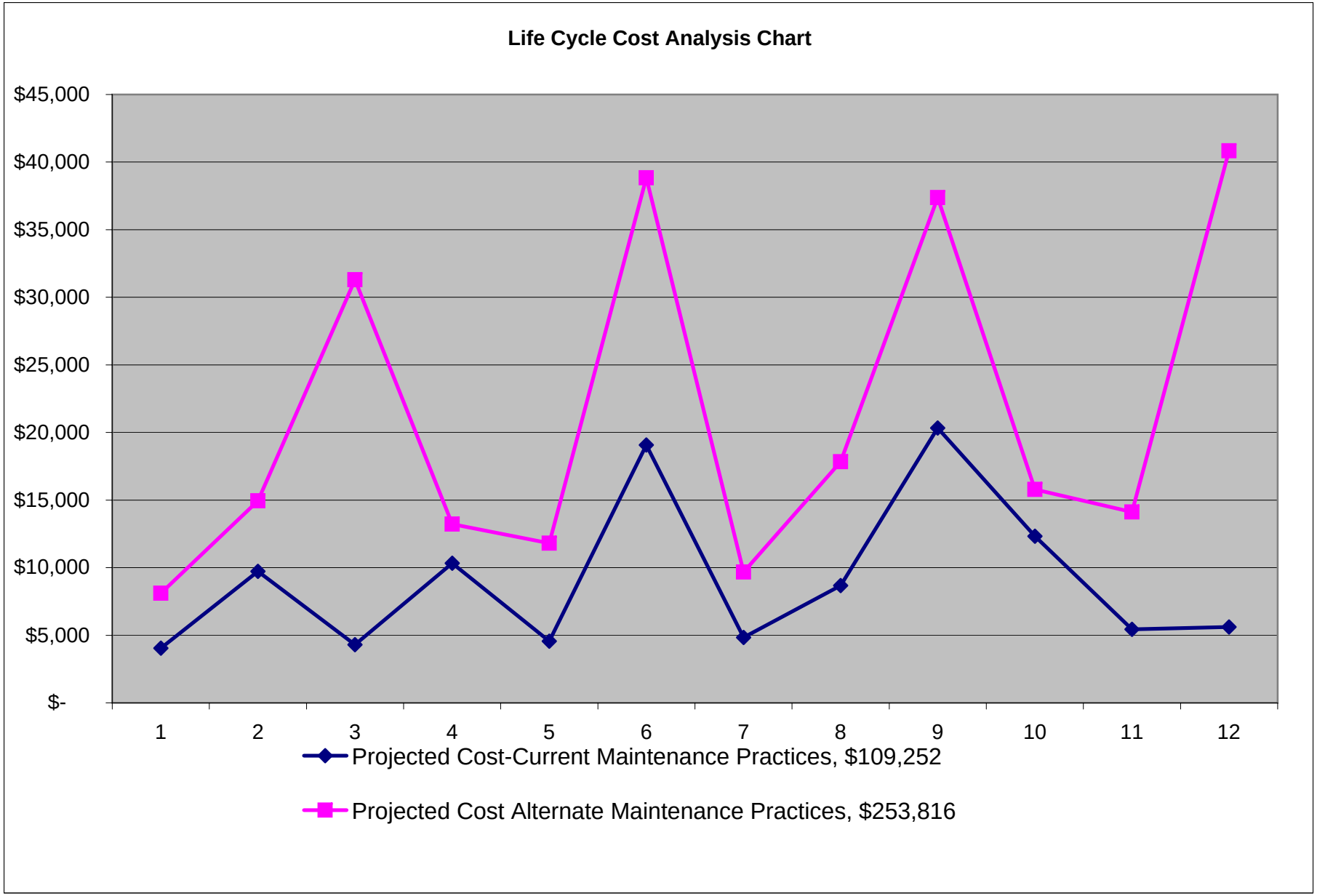
EXAMPLE
LIFE CYCLE COST ANALYSIS TOOL
Alternate Mainteance Practices
BASED ON 30' TRANSIT COACH

Asset Type	30' Bus
Useful Life	12 years
First Cost	$ 250,000
Inflate Rate *1	3%
PM & Insp.	$ 225.00
Engine RR	$ 12,000
Trans RR	$ 7,000
Brake Program	$ 4,000
Tire Program	$ 2,400
Miles/Year	36,000
Miles/PM	6,000
Engine Miles	100,000
Trans Miles	100,000
Brake Miles	55,000
Tire Miles	48,000
Road Calls/per call	$ 450
Multipliers based on inflation	
Year 1	1.00
Year 2	1.03
Year 3	1.0609
Year 4	1.0927
Year 5	1.1255
Year 6	1.1593
Year 7	1.1941
Year 8	1.2299
Year 9	1.2668
Year 10	1.3048
Year 11	1.3439
Year 12	1.3842

ASSET LIFE	PM & Inspection		Engine RR		Trans. RR		Brake program		Tire program		Road Calls	
	# per year	Cost	Year (x)	Cost	Year (x)	Cost	Year (x)	Cost	Year (x)	Cost	# per year	Cost
Year 1		$ –		$ –		$ –		$ –		$ –	18	$ 8,100
Year 2		$ –		$ –		$ –	x	$ 4,120	x	$ 2,472	18	$ 8,343
Year 3		$ –	x	$ 12,731	x	$ 7,426		$ –	x	$ 2,546	18	$ 8,593
Year 4		$ –		$ –		$ –	x	$ 4,371		$ –	18	$ 8,851
Year 5		$ –		$ –		$ –		$ –	x	$ 2,701	18	$ 9,117
Year 6		$ –	x	$ 13,911	x	$ 8,115	x	$ 4,637	x	$ 2,782	18	$ 9,390
Year 7		$ –		$ –		$ –		$ –		$ –	18	$ 9,672
Year 8		$ –		$ –		$ –	x	$ 4,919	x	$ 2,952	18	$ 9,962
Year 9		$ –	x	$ 15,201	x	$ 8,867		$ –	x	$ 3,040	18	$ 10,261
Year 10		$ –		$ –		$ –	x	$ 5,219		$ –	18	$ 10,569
Year 11		$ –		$ –		$ –		$ –	x	$ 3,225	18	$ 10,886
Year 12		$ –	x	$ 16,611	x	$ 9,690		$ –	x	$ 3,322	18	$ 11,212
TOTALS		**$ –**		**$ 58,454**		**$ 34,098**		**$ 23,267**		**$ 23,041**		**$ 114,955**

*1 Inclusion of and inflation rate is optional in calculating costs

Projected Total Ownership
$ 8,100
$ 14,935
$ 31,297
$ 13,222
$ 11,818
$ 38,836
$ 9,672
$ 17,833
$ 37,370
$ 15,788
$ 14,111
$ 40,835
$ 253,816


Life Cycle Cost Analysis Chart
$45,000
$40,000
$35,000
$30,000
$25,000
$20,000
$15,000
$10,000
$5,000
$-
1
2
3
4
5
6
7
8
9
10
11
12
Projected Cost-Current Maintenance Practices, $109,252
Projected Cost Alternate Maintenance Practices, $253,816