Joplin Police Department Take Home Vehicle Program Cost Breakdown

INITIAL INVESTMENT		QTY	PROJECTED UNIT COST	PROJECTED TOTAL COST	EST LIFE	PROJECTED ANNUAL AMORTIZED COST	
32 Additional Cars		32	$ 54,210.00	$ 1,734,720.00			
Equipment for 32 Additional Cars		32	$ 32,476.00	$ 1,039,232.00			
Radio's for 32 Additional Cars		32	$ 5,550.00	$ 177,600.00			
Total Initial Investment				**$ 2,951,552.00**			
ADDITIONAL ONGOING OPERATIONAL COSTS							
Mechanic Position		1		$ 68,757.00			
Fuel, Oil, Diesel- 32 Additional Cars		32	$ 3,600.00	$ 115,200.00			
Central Garage Repairs		32	$ 3,665.00	$ 117,280.00			
Liability Insurance		32	$ 2,350.00	$ 75,200.00			
Total Additional Ongoing Operational Costs				**$ 376,437.00**			
FUTURE REPLACEMENT COSTS							
32 Additional Patrol Vehicles & Equipment *		32	$ 81,136.00	$ 2,596,352.00	6 yrs	$ 432,725.33	PER YEAR TO ADD TAKE HOME VEHICLES
52 Current Patrol Vehicles	*	52	$ 81,136.00	$ 4,219,072.00	6 yrs	$ 703,178.67	\
19 Investigations Vehicles	**	19	$ 76,219.00	$ 1,448,161.00	8 yrs	$ 181,020.13	
12 Sergeant Vehicles	**	12	$ 76,219.00	$ 914,628.00	7 yrs	$ 130,661.14	
6 Command Vehicles	**	6	$ 76,219.00	$ 457,314.00	8 yrs	$ 57,164.25	/

No justification to add a Radio Technician Position due to equipment upfitting being outsourced

$ 1,072,024.18 PER YEAR OF CURRENT/EXISTING FLEET

TOTAL ANNUAL REPLACEMENT COST OF 32 TAKE HOME CARS	$ 432,725.33
TOTAL ANNUAL REPLACEMENT COST OF EXISTING FLEET	$ 1,072,024.18
COMBINED TOTAL COST OF FLEET REPLACEMENT	$ 1,504,749.52

* figure based on $51,000 base vehicle cost, plus $32,476 equipment costs, minus $5550 replacement radio cost (radio has 15 year lifecycle)

** figure based on $51,000 base vehicle cost, plus $27,559 equipment costs, minus $5550 replacement radio cost (radio has 15 year lifecycle)

*** Trade In Value should be a factor in replacement cost with an estimated Tahoe trade in value of $14,000 per vehicle at the end of the lifecycle