



# FLEET REPLACEMENT PROGRAM

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Scott Kapton



# A Large and Diverse Fleet

*1572 total vehicles and equipment*

- 777 vehicles  
(225 squad cars, 234 plow trucks, etc.)
- 163 pieces of heavy off-road equipment  
(loaders, tractors, crawler dozer, etc.)
- 653 pieces of light-duty equipment  
(water pumps, mowers, compressors, etc.)
- Estimated fleet replacement value: \$72,500,000



# Fleet Replacement Program

## Developed criteria for each class using several sources of data

- Other agency replacement criteria
- Private sector fleet replacement criteria
- Past history and condition of Tollway replacements
- Actual condition of the fleet
- Repair records
- Mechanics and operators input
- Resale cost history

*In 1995 a formal Vehicle and Equipment Replacement Program was established for 167 classes of vehicles and equipment.*

*The program was reevaluated in 2003 and 2010.*

# Replacement Cycle Criteria



## Mileage

- Squad cars – 100,000 miles
- Pick-up trucks – 125,000 miles

## Engine Hours

- Snow plow trucks – 7,000 engine hours
- Large heavy equipment – 7,000 engine hours

## Condition – based on the actual physical condition

- Trailers
- Cranes/aerial lifts

*Age is also a factor, but seldom used*

# Replacement Criteria Goals

## Primary goals

- Ensure vehicle/equipment safety and reliability
- Maintain reasonable maintenance and repair costs
- Ensure user productivity levels aren't compromised

## Positive outcomes

- Reasonable resale values
- Increases operator care
- Replacement funding levels remain constant



# Replacement Program Facts

## Replacement criteria is a guide and not an absolute

- Forecasting replacements can be two years in advance
- Replacement criteria can change based on the performance of each class
- Make and model can be a factor in replacements even within the same class

## Replacements are subject to budget availability

Purchasing cycles and availability of contracts can dramatically affect when vehicles and equipment can be retired

Vast majority of vehicles and equipment are retired with miles or engine hours higher than the replacement criteria\*

*\*Based on data from 2012 through present*



# THANK YOU

