

# PATROL VEHICLE REPLACEMENT

The Crown Victoria police patrol ready vehicle has been in existence since 1991. The vehicle has been discontinued in the 2011 model year by the Ford Motor Company. Our agency needed to identify a suitable replacement to ensure the safety and comfort of our officers, meeting the future needs of patrol along with reducing future costs of repairs of our current fleet.

# THE PROCESS

Selected stakeholders collaborated as a selection committee and also networked with other agencies, to pick the best replacement patrol vehicle.



# STAKEHOLDERS

- Fleet Manager
- Finance Staff
- Radio Shop
- Feet Mechanic
- Range Staff
- I.T.
- Officer

Tall, Short, Large, Small, Female, Male



# CONSIDERATIONS

Comfort of Driver and Passenger



Safety



# CONSIDERATIONS



- Health Tool Consideration:

From an ergonomic perspective, is the SUV better suited for the required gear that officers need to wear in allowing them safe passage in and out of their car, i.e. concerns or issues with their backs. These complaints have been attributed to duty belts and their vehicles, cost of injury vs. vehicle cost should be considered.

# CONSIDERATIONS

Long Term Maintenance Cost



Fuel: Gas, Diesel, Hybrid, Nitrogen



# CONSIDERATIONS

## Car vs. SUV



# CONSIDERATIONS

Overall Vehicle Replacement Cost,  
Equipment Availability



Life of Replacement Vehicle





# CONSIDERATIONS

## Reusable Equipment



# CONSIDERATIONS



- Space: SUV vs. car

Does the SUV have more front seat, rear seat and storage area volume. Does this capacity allow departments to maintain currently trained tactics requiring multiple fully-equipped officers. Does the SUV provide enough space to safely, comfortably and tactically operate two-person patrol units.

# CONSIDERATIONS

- Space:



# REPLACEMENT PLAN



- Current vehicle fleet life
- Future needs of the replacement vehicle
  1. Electronics
  2. 2WD vs. 4WD vs. All Wheel Drive
  3. Front vs. rear wheel drive
  4. Interior size for driver and passenger
  5. Ability to use old components
  6. Equipment used by patrol

# REPLACEMENT PLAN



- Funding/budget approved ?
- Decide which cars we need to replace and how many
- Decide which vehicles we can buy with available funds
- Write Specs
- Add accessories/components to vehicles
- Evaluate all vehicles overall cost

# FINAL SELECTION

The vehicle that LPD selected for future patrol operations will be the Ford Utility Interceptor, commonly known as the Ford SUV.

