

OLMSTED TOWNSHIP POLICE DEPARTMENT

Patrol Vehicle Presentation



Patrol Vehicle Logistics

- The department currently has five (5) operational patrol vehicles in inventory; unit #5718 has been recently retired.
- All but the three Ford utility SUV's (*purchased last year*) have mileage between 105,000 - 140,000 miles.
- Approximately 2,000 patrol miles are accrued every week. That equates 104,000 miles per year and approximately 17,000-20,000 miles per patrol vehicle (*maintenance is*

Patrol Vehicle Comparison

FORD SEDAN



FORD SUV UTILITY



Michigan State Police

Police Vehicle Evaluation Program



Patrol vehicle comparison similarities

FORD SEDAN

- AWD
- 3.7 LITER ENGINE
- WHEEL SIZE: 18"
- PURSUIT RATED
 - Handling, suspension, and engine enhancements.
- Braking characteristics

FORD SUV UTILITY

- AWD
- 3.7 LITER ENGINE
- WHEEL SIZE: 18"
- PURSUIT RATED
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VEHICLE DYNAMICS

Emergency Response Handling

FORD SEDAN

1.37



FORD SUV UTILITY

1.40



ACCELERATION & TOP SPEED TESTING

FORD SEDAN

- 7.48 seconds
- Top Speed: 131mph



FORD SUV UTILITY

- 8.02 seconds
- Top Speed: 132 mph



BRAKING TEST

FORD SEDAN

136.7 feet



FORD SUV UTILITY

134.2



ERGONOMICS

FORD SEDAN

- Front seat: 6.2
- Rear seat: 4.6
- Visibility: 7.5
- Rear window: 5.2



FORD SUV UTILITY

- Front seat: 8.5
- Rear seat: 7.3
- Visibility: 8.4
- Rear window: 6.1



FUEL ECONOMY

FORD SEDAN

- 18 city / 25 highway
21 miles to gallon
overall



FORD SUV UTILITY

- 16 city / 21 highway
18 miles to gallon
overall



Fueleconomy.gov

www.fueleconomy.gov
the official U.S. government source for fuel economy information

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Personalize

2015 Ford Explorer AWD X

Gasoline Vehicle



3.5 L, 6 cyl, Automatic (S6)
MSRP: \$32,600 - \$42,670

2015 Ford Taurus AWD X

Gasoline Vehicle



3.5 L, 6 cyl, Automatic (S6)
MSRP: \$31,335 - \$40,220

Add a Vehicle

EPA Fuel Economy

Regular Gasoline

17 MPG
combined city/highway
5.9 gal/100mi

Gasoline



316 miles
Total Range

Regular Gasoline

19 MPG
combined city/highway
5.3 gal/100mi

Gasoline



361 miles
Total Range

Unofficial MPG Estimates from Vehicle Owners

[Learn more about "My MPG" Disclaimer](#)

User MPG estimates are not yet available for this vehicle

User MPG estimates are not yet available for this vehicle

You save or spend*

Note: The average 2015 vehicle gets 24 MPG

You SPEND

\$3,750
more in fuel costs over 5 years compared to the average new vehicle

You SPEND

\$2,500
more in fuel costs over 5 years compared to the average new vehicle

Annual Fuel Cost*

\$2,650

\$2,400

Cost to Drive 25 Miles

\$3.34

\$2.99

Cost to Fill the Tank

\$42

\$43

Tank Size

18.6 gallons

19.0 gallons

*Based on 10% highway, 90% city driving, 20,000 annual miles and your fuel prices. [Personalize](#). MSRP and tank size data provided by Edmunds.com, Inc.

Range on a tank and refueling costs assume 100% of fuel in tank will be used before refueling.

Comparison of Cost

(For two vehicles)

FORD SEDAN

- Purchase Price = \$55,343.88
- Equipment = \$9,649.14
- Labor / Installation = \$3,206.98
- Graphics = \$1,100.00
- Total Package = \$69,300

FORD SUV UTILITY

- Purchase Price = \$56,423.88
- Equipment = \$11,561.14
- Labor / Installation = \$3,346.98
- Graphics = \$1,160.00
- Total Package = \$72,492
- Difference of
\$3,192.00

Multi-functional

- Patrol vehicle is a “Rolling Office”
- Patrol vehicle provides cover and concealment for officers.
- Patrol vehicle acts as on scene interview room.
- Patrol vehicle is a symbol for the police agency and community.



Endorsement of the SUV Utility

- Better braking distance
- Larger rear cargo area
- Ergonomically better
 - Driver's cockpit area
 - Rear seat more room for public
- Ground clearance for abnormal terrain
- “Best bang for the buck.”