



Michigan State Police

completes multiple energy-effective lighting projects with MTI Lighting Specialists.



In 1998, MTI implemented a statewide engineered lighting study for 41 Michigan Police Posts and completed the project through 1999.

POST HISTORY



The Michigan Department of State Police began as a temporary, wartime emergency force for the purpose of domestic security during World War I. On April 19, 1917, Governor Albert Sleeper created the Michigan State Troops Permanent Force. With Colonel Roy C. Vandercook as the first commanding officer, this new force consisted of five Troops of mounted, dismounted and motorized units, totaling 300 men. On March 26, 1919, Public Act 26 reorganized the Constabulary as the permanent, peacetime Michigan State Police.

CASE STUDY

Michigan State Police

Over a Ten Year Period, the Michigan State Police Posts will save over \$500,749.00

LIGHTING RECOMMENDATIONS...



DESCRIPTION OF LOCATIONS:

FLUORESCENTS, INCANDESCENT AND EXIT FIXTURES:

*Locations: (41) Michigan State Police Posts
Average Square Ft.: 1,500
Average Hours of Operation: 4,380 per year
Average Utility Cost per kWh \$0.0751*

The existing fluorescent and incandescent lighting fixtures in the Michigan State Police Posts vary. The lamp fixtures were either 1'x4' or 2'x4' that contained 34 watt, T-12 fluorescent lamps with magnetic ballasts. These fixtures were retrofitted with electronic ballasts and 32 watt, T-8 lamps. Incandescent fixtures were retrofitted with (CFL) compact fluorescent lamps. The exit signs were either retrofitted with LED technology or fixtures were replaced with new energy-efficient products. By retrofitting all fluorescent and incandescent lighting fixtures in these facilities, the State of Michigan will save **620,746 kWh** and nearly **\$50,074.90** per year.

LIST OF STATE POLICE POSTS:

Adrian, Alpena, Bad Ax, Battle Creek, Bridgeport, Brighton, Caro, Cheboygan, Coldwater, East Tawas, Flint, Gladstone, Houghton Lake, Iron Mountain, Jonesville, Kaldaska, L'Ansie, Lansing, Lakeview, Lapeer, Mainistee, Manistique, Munising, Newaygo, Newberry, Niles, Paw Paw, Petoskey, Reed City, Rockford, Sandusky, Stevenson, St. Ignace, Ste. Marie, South Haven, Traverse City, Wakefield, Wayland, West Branch, White Pigeon and Ypsilanti.