



SUCCESSES

TRANSPORTATION

ROADWAY LIGHTING

- *Replaced all traffic signal incandescent bulbs with LED lights for a savings of \$70,500/year*

HIGHWAY SUBSTATION UPGRADES

- *Lighting upgrade at highway facilities brought an annual energy reduction of 25,976 kWh bringing a savings of \$16,809*
- *Upgraded HVAC control resulted in a 58% savings in gas usage resulting in a savings of \$34,503*

SNOW CONTROL

- *Anti Icing eliminates bonding of snow and ice to pavement, and in light snowfall may eliminate plowing*
- *Applying Pre-wet salt brine onto salt as it comes out of the truck keeps about 30% more salt on the road*
- *Use of salt brine reduces total salt use about 20%*



ROUNDBABOUTS

- *90% less costly to maintain and 20% fewer accidents*
- *Maintenance being about \$3,500 per intersection*



HOT IN PLACE RECYCLING

- *Hot in place recycling (heating and relaying existing asphalt) in our paving program estimated to save between \$80,000 and \$140,000 per mile*



FLY ASH USE

- *Use of Fly Ash to stabilize soft soils*
- *County Highway Y project saved about \$300,000 vs. undercut and breaker run stone*



ROAD CONSTRUCTION DESIGN

- *Constructing bioswales to infiltrate rain and snowmelt, minimizes need to build stormwater detention basins*



TRAFFIC SIGNAL INTERCONNECT

- *Through interconnecting traffic signals, drivers traveling the speed limit will get consistent green lights reducing vehicle delay and related emissions on high traffic corridors by 20%*

