

Technology in Rural Transportation

A recent study documented more than eighty proven, cost-effective, “low-tech” solutions to rural transportation needs, most developed or implemented by local transportation professionals. One of these solutions is outlined below:



Learn all about the simple solutions on the Internet at <http://inform.enterprise.prog.org>

The simple solutions report is available from Hau To at (503) 892-2533, or email: to@crc-corp.com

Energy Efficient Traffic Signals

Overall goal:	To save taxpayer money by reducing energy used by traffic signals.
Technical approach:	Replacing the City of Scottsdale traffic signal heads with light emitting diode (LED) type heads. Only red and green light heads are being replaced. Amber lights are only in use for a few seconds, and thus the energy savings would be minimal.
Current status:	LED traffic signals continue to be systematically installed throughout the city.
Location / geographic scope:	City of Scottsdale, Arizona.
Agencies involved:	City of Scottsdale Field Services and City Council.
Cost information:	The units pay for themselves in energy savings within 3 years.
Key contacts:	Eric Snyder, Traffic Signal Supervisor, 480.312.5635.
Have goals been achieved?	The city has experienced an average wattage savings of 90.5%. Other benefits include: increased safety to motorists and signal personnel, reduction of traffic congestion, reduced air pollution from electric generation, and drastically reduced electricity costs to City and taxpayers.
Solution timeline:	In 1998, the City Council approved a six-year conversion period during which all of the city’s red and green traffic signals will be converted to LED.

