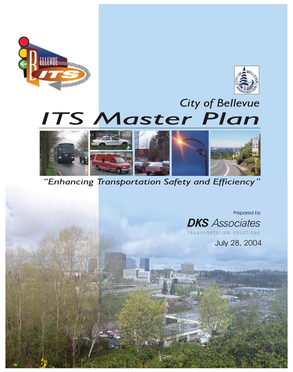
TRANSPORTATION

ENHANCED TECHNOLOGY FOR SAFETY AND TRAFFIC MANAGEMENT

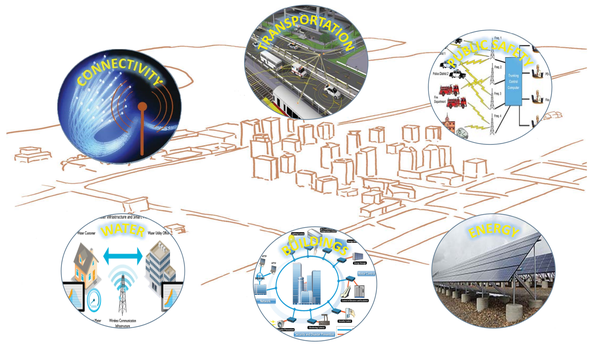
The City of Bellevue is leveraging technological solutions to improve the delivery of core services and enhance the economy.



Intelligent Transportation Systems (ITS)

ITS is the application of information and communication technology to transportation in order to enhance mobility and safety.

ITS focuses on transportation.



Smart Cities Initiative

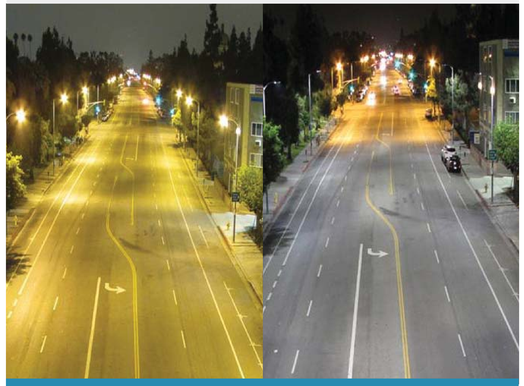
Smart Cities is the integration of multiple information and communication technology solutions to manage and enhance City assets in order to improve quality of life and service delivery.

Smart Cities focuses on multiple areas, including energy, education, public safety and transportation.

Candidate Projects:

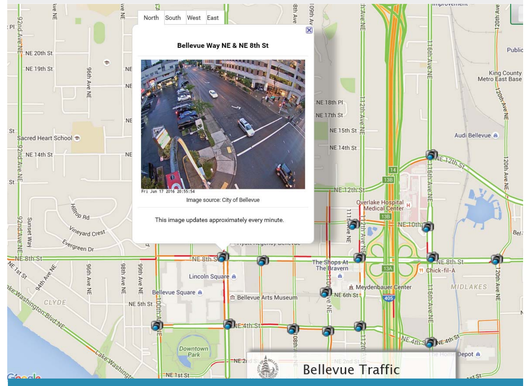
- Improved Signal Performance Monitoring
- Connected Vehicle Integration
- Enhanced Traveler Information
- Signal System Network Resiliency
- Smart Streetlights
- Parking Management
- Pedestrian/Cyclist Safety Monitoring
- Smart Cities Integration

LED Smart Streetlights



- 90% of Bellevue owned streetlights are not LED
- Improve driver, pedestrian and cyclist safety through lighting uniformity
- Return on investment of about 6 years due to energy savings

Enhanced Traveler Information

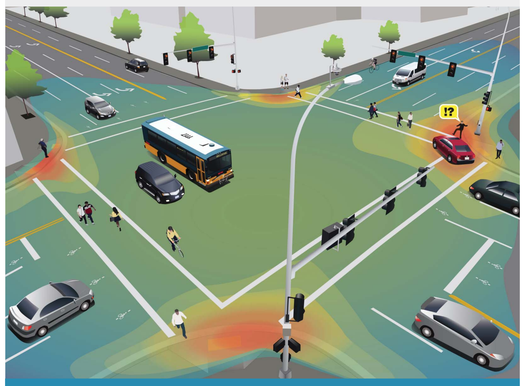


- Improve integration with third party data providers
- Better information on commute choices

Parking Management

- Provide parking availability information to public
- Reduce circulation of vehicles looking for parking
- Monitor turnover and occupancy

Video Analytics, Pedestrian/Cyclist Safety



- Track near miss incidents, evaluate potential solutions
- Collect real-time volumes of pedestrians, bikes and vehicles