



**SUSTAINABLE WINTER OPERATIONS  
UDOT Experience using INVEST Tool**

Utah scored well in parts of  
the INVEST pilot



Based on INVEST tool responses UDOT decided on sustainability initiatives



**Initiatives were grouped  
into High, Medium and  
Low Categories based**



# High Importance

- ◆ Integrate Lidar data into Pavement Management System
- ◆ Create Proactive Bridge Management Plan
- ◆ Measure Innovative Contracting Work Zone Crashes
- ◆ Create accessible environmental commitment tracking system



# Medium Importance

- ◆ Implement Traffic Signal Performance Measures for specific Corridors
- ◆ Prepare Fossil Fuel Reduction Plan
- ◆ Create Traffic Signal Maintenance Plan
- ◆ Create Snow Removal Decision Support System
- ◆ Create ITS Device Maintenance Plan



# Low Importance

- ◆ Prepare a Renewable Energy Plan
- ◆ Create Overall Internal Sustainability Plan
- ◆ Prepare a Culvert Replacement Plan
- ◆ Prepare a Recycling and Reuse Plan

# INVEST Initiatives

## Winter Operations

- ◆ Snow Plow Route Optimization
- ◆ AVL Implementation
- ◆ Road Weather Condition Cameras
- ◆ Winter Road Condition Performance Metrics



# INVEST Process helped UDOT

- ◆ Focus on social, environmental, and economic issues impacted by our winter operations
- ◆ Identify high leverage actions that have broad impacts
- ◆ Allocate effort to meet objectives



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