

RESEARCH PROBLEM STATEMENT

DATE: 08/27/2018	PROJECT AREA: Special Projects
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TITLE: Evaluate the Benefits of Training Simulation for ARDOT Employees

PROBLEM STATEMENT:

Training new hires is mostly done on the job for various types of equipment. Within the first six months of employment Area Maintenance personnel are required to obtain their CDL. The time spent on training is up to the Area Maintenance Supervisor to give the new hires the allotted time to practice. If the new hires don't pass the CDL test within the six months they are no longer employed by the Highway Department. The simulator can also be used to train new hires on operating a five foot and 15 foot mower, without the fear of mowing the right away or the fear of flipping over on a hill. The same can be said with snow and ice removal, training new and existing personnel to safely remove snow and ice on the roadway. Look into the cost benefits of using a training simulator to train new hires, to obtain their CDL, learning to mow on a slope, and safely remove snow and ice from the roadway. Simulated training gives the individual some real world experience before they operate equipment..

OBJECTIVES:

1. Train new employees to obtain CDL
2. Train new and existing employees on mowing slopes and right-of-way
3. Train new and existing employees on safety removing snow and ice.

FORM OF RESEARCH IMPLEMENTATION AND RETURN ON INVESTMENT:

Provide a training work shop to new and existing employees to operate heavy equipment. "one hour of simulator time can replace four hours worth of behind-the-wheel training." (<https://www.fleetowner.com/technology/navigating-virtual-road>)

Estimated Project Duration: 24 Months

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Standing Subcommittee
Ranking

Advisory Council
Ranking

Statement Combined with
Statement Number(s)

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