OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF *(INSERT NAME)*
RESEARCH IMPLEMENTATION PLAN

RESEARCH & DEVELOPMENT

Title: Airborne LiDAR - A New Source of Traffic Flow Data

State Job Number: 134145
PID Number:
Research Agency: The Ohio State University
Researcher(s): Dorota Grejner-Brzezinska
Technical Liaison(s): John A. Rand
Research Manager: Monique Evans
Sponsor(s): ODOT
Study Start Date: 10/1/03
Study Completion Date: 6/30/05
Study Duration: 1yr. 8mo.
Study Cost: $ 50,000
Study Funding Type: Research & Development

STATEMENT OF NEED:
Potential additional source of traffic flow data

RESEARCH OBJECTIVES:
Evaluate if LiDAR can be used to determine traffic flow.

RESEARCH TASKS:
Test flights, data evaluation, software development, verification of traffic counts.

RESEARCH DELIVERABLES:
Software, procedures/processes, manuals, etc.

RESEARCH RECOMMENDATIONS:
Implement as appropriate.

PROJECT PANEL COMMENTS:
N/A

IMPLEMENTATION STEPS & TIME FRAME:
To be determined in coordination w/ office of Traffic.

EXPECTED BENEFITS:
Additional traffic flow data where needed.

EXPECTED RISKS, OBSTACLES, & STRATEGIES TO OVERCOME THEM:
To be determined, most likely more staff in Traffic Engineering

OTHER ODOT OFFICES AFFECTED BY THE CHANGE:

Office of Traffic Engineering

PROGRESS REPORTING & TIME FRAME:

To be determined by the Offices of Traffic Engineering and Aerial Engineering

TECHNOLOGY TRANSFER METHODS TO BE USED:

N/A

IMPLEMENTATION COST & SOURCE OF FUNDING:

To be determined

Approved By: (attached additional sheets if necessary)

Office Administrator(s):

Signature: John A. Ray Office: Aerial Engineering Date: 9/5/06

Signature: _____ Office: _____ Date: _____

Division Deputy Director(s):

Signature: Tim McBrull Division: Production Date: 9/6/06

Signature: _____ Division: _____ Date: _____