Research Problem Statement

ODOT Research Section
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I. TITLE

[Provide a unique title that represents the research idea]

17-066 Evaluation of RFID technology application to management of highway assets

II. PROBLEM

Identifying and locating highway assets is a routine business need that is an inherent part of ODOT business processes. Radio frequency identification (RFID) technology has been around for several years and continues to advance and its use has become more widespread. RFID markers can be used to mark GIS locations of highway design elements and utilities. What are the recommended products, technologies, and business processes for incorporating RFID into highway asset management?
Relocating assets and utilities has been costly for ODOT using existing highway business practices.

III. PROPOSED RESEARCH, DEVELOPMENT, OR TECHNICAL TRANSFER ACTIVITY

Use past research or other information sources to help define the research direction. This section should be an overview of the research and does not need to include specific details of the research tasks.]
Literature review to identify, determine and evaluate existing RFID asset management practices that might be adopted by ODOT. Identify and survey ODOT businesses that might benefit from RFID technologies.
Test the use of RFID markers in the practice of maintaining approach road location data..

IV. POTENTIAL BENEFITS

Quickly locate and identify highway assets.

V. IMPLEMENTATION

VI. LIST OF REFERENCES *(optional)*

[List the references you identified when you searched for completed and current research.]

VII. CONTACT INFORMATION

Your name: ____**Marcus Berlin**_____
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Person Responsible for Implementation: _____
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