**Project Summary**

This is a technology transfer research project. The TowPLow® is a ready to use innovative technology which is currently being evaluated through the AASHTO Technology Implementation Group (TIG). The AASHTO TIG scans the horizon for outstanding advancements in transportation technology and invests time and money to accelerate their adoption by agencies nationwide.

The TowPLow® is a steerable snow plow trailer equipped with a 26 foot moldboard. It has the capability to deliver liquid or granular chemical deicers or cinders. In combination with a conventional snow plow truck it is able to plow a 24 foot wide path.

**Justification**

This project would enable the Department to determine whether the implementation of a TowPLow® would improve the efficiency and effectiveness of our snow and ice removal operations. Some of the items for consideration for this project are cost comparisons of hours of operation, maintenance, capital, labor, and materials with traditional snow plowing operations; and reduction of in time.

**Anticipated Benefits**

Some of the reported benefits of utilizing a TowPLow® are as follows:

- Increased efficiency and production (one pass clearing, improved cycle times, wider clearing path, higher operating speeds)
- Cost efficiency
- Operational improvements – able to accomplish more with less
- Stretches existing resources – addresses FTE vacancies
- Reduced cost per shoulder pass mile
- Reduction in manpower and equipment
- Environmental benefits from using less fuel
- Safety improvements due to improved cycle times – for both the operator and motorists
- Longer service life than snow plow trucks
- Reduce need for road closures – thus providing a higher level of service to the traveling public

**Deliverables**

TowPLow®

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**Budget:** $100,000  
**Duration:** 24 months