# Project Justification - Benefits Tool

**Introduction:**
The project justification tool has been developed to assess and quantify potential monetary benefits per project type. The project justification tool uses readily available project specific data from the user and industry research to estimate potential project benefits. Project types include: Communication, DMS, CCTV Camera, Through Route Activated Warning System (TRAWS), and other.

Several types of project benefits are considered for each project type: safety, mobility, productivity, and energy and environment. These estimated project benefits are then compared to the estimated total project cost over the projected lifetime of the project. This methodology provides a clear and transparent manner in which to justify a specific project, reducing concerns of inefficient use of funding resources.

**User Instruction:**
Provide Project Information in Step 1. Select the project type in Step 2. Provide project specific responses for each of the questions as appropriate. It should be noted that this analysis is a generalized, estimated approach to considering potential monetary benefits. It is expected that some responses will be estimates based on the users knowledge of the project and location.

**User Resources:**
The 'Parameters' tab may be referenced to determine where each of the data requests may be obtained. Data sources include the Needs Analysis Tool, readily available information from the User, User estimated values, and asset management/maintenance information. References for parameters included in the tool can be found on the "References' tab. For any questions or concerns, contact Todd Szymkowski (todd.szymkowski@dot.wi.gov).

## Project Justification - Data Needs

| Anticipated Data Source | Data Request | Project Type | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| | | Communication Expansion | DMS | Camera | TRAWS | Other |
| User Response | Project Specific Description | X | X | X | X | X |
| | Deployment Intent | | X | X | | |
| Estimated | Estimated Events per Year | | X | X | | |
| | Estimated Average Event Duration | | X | X | | |
| | Estimated Average Travel Time Savings | | X | X | | |
| | Estimated Outages per Year | X | X | X | | |
| Asset Management / Maintenance Reports | Maintenance Tickets and Cost | X | | | | |
| Needs Analysis Tool | Crash Data by Type | X | X | X | X | |
| | Average Vehicles Entering Intersection | X | | | X | |
| | Average Daily Traffic Volumes Per Area | | X | X | X | |