



## Smart Work Zone Feasibility Worksheet

Criteria	Score
<b>Factor 1 - Duration of Work Zone: Long-term stationary work will have a duration of:</b>	
* > 1 Construction Season (10 points)	
* 4-10 months (6 points)	
* < 4 months; procurement & installation timeline is available prior to work starting (3 points)	
<b>Factor 2 - Impact to traffic, businesses, other destinations or other users (e.g. extremely long delays, high risk of speed variability, access issues) for the duration of work is expected to be:</b>	
* Significant (10 points)	
* Moderate (6 points)	
* Minimal (3 points)	
<b>Factor 3 - Queuing &amp; Delay: Queue lengths are estimated to be:</b>	
* $\geq 2$ miles for periods $\geq 2$ hours per day (8 to 10 points)	
* 1-2 miles for periods of 1-2 hours per day (6 to 8 points)	
* $\leq 1$ mile (or queue length estimates are not available, but pre-construction, recurring congestion exists for periods < 1 hour per day (4 points)	
<b>Factor 4 - Temporal Aspects of Traffic Impacts: Expected traffic impacts are:</b>	
* Unreasonable for a time period that covers more than just peak hours (10 points)	
* Unreasonable during most of morning & afternoon peak hours in either direction (6 points)	
* Unreasonable during most of a peak hour in either direction (3 points)	
* Unpredictable; highly variable traffic volumes (1 point)	
<b>Factor 5 - Specific Issues Expected (0 to 3 points each based on judgement)</b>	
* Traffic Speed Variability	
* Back of Queue & Other Sight Distance Issues	
* High Speeds/Chronic Speeding	
* Work Zone Congestion	
* Availability of Alternate Routes	
* Merging Conflicts & Hazards at Work Zone Tapers	
* Frequently Changing Operating Conditions for Traffic	
* Variable Work Activities (that may benefit from Variable Speed Limits)	
* Oversized Vehicles and/or Heavy Truck % > 10%	
* Large Speed Differentials of Construction Vehicle Entering/Exiting Relative to Traffic	
* Data Collection needs for Work Zone Performance Measures	
* Unusual or Unpredictable Weather Patterns (Snow, Ice, Fog, Wind)	
<b>TOTAL SCORE (If the total score is):</b>	<b>0</b>
* $\geq 30$ , Then WZ ITS is likely to provide significant benefits relative to procurement costs	
* $\geq 10$ & <30, Then WZ ITS may provide some benefits & should be considered to mitigate impacts	
* < 10, Then WZ ITS may not provide enough benefit to justify associated costs	

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