

## Project:

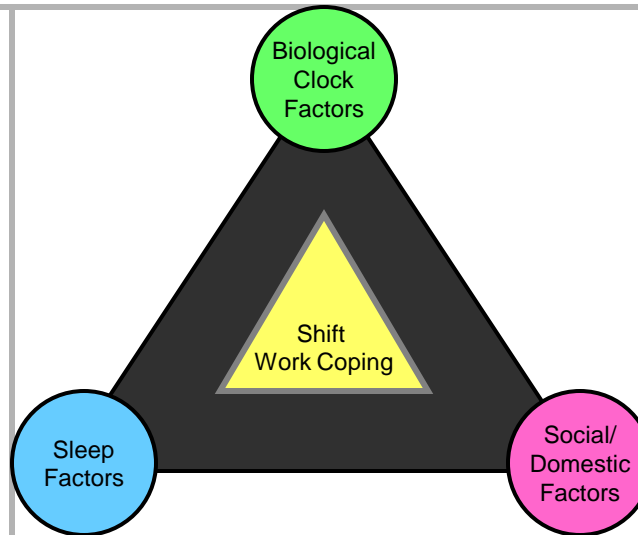
### Night-Time Construction Issues

KTC-00-16/SPR 00-217

Demand is increasing for performing construction and maintenance operations at night to reduce traffic conflicts. However, there are issues that highway agencies and contractors must consider.

## Objectives:

- Determine past results of night-time construction.
- Survey highway contractors to determine methods to improve the process.
- Identify the advantages and disadvantages.
- Make recommendations for successful implementation of the practice.



## Results:

- Success of night work varies based on the type of work, experience of the contractor, and location of the project.
- Night work's effect on quality/productivity appears neutral or slightly positive.
- Many factors affect night-time construction and agencies need to evaluate a project's potential --
  - seven parameters were identified including: traffic, economic, environmental, and legal
  - a method of evaluation was developed
- A set of 17 recommendations were made including the need for the contractor to prepare a detailed night-time work plan.

## Implementation:

An evaluation method/form was developed and is used by the Cabinet to determine the practicality of performing a construction project at night. The major issues considered are --

- traffic
- economic
- social
- construction

The evaluation form is easy to understand and very useful for construction project planning.

## Benefits:

The study identified issues for the Cabinet and contractors to consider and understand the impacts when performing night-time construction. By addressing these issues for each project they will --

- Improve driver safety
- Increase adequacy of lighting
- Improve speed enforcement
- Reduce noise impacts
- Attend to worker fatigue and safety
- Improve media information campaign

**For more information contact:**  
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