

Work Area Traffic Control Awareness Session

Work Area Traffic Control Manual (WATCM)



Department of Transportation & Infrastructure's
Maintenance and Traffic Branch
April 2012

Objectives

- Session will provide:
 - Regulatory Requirements
 - Basic Principles of Work Area Traffic Control

Occupational Health and Safety Act

"employer" means

- (a) a person who employs one or more employees,
- (b) a manager, superintendent, supervisor, overseer or any person having authority over an employee at a place of employment, or
- (c) an agent of any person referred to in paragraph (a) or (b);

Employer Responsibilities

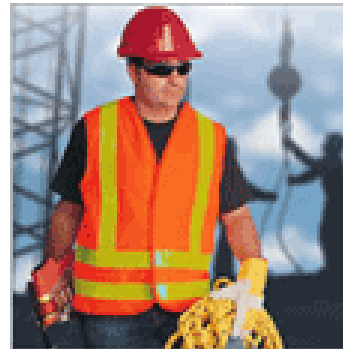
- Take **precautions** to ensure worker safety
- **Comply** with the OHS Act & Regulations
- Ensure **employees comply** with the Act and Regulations
- **Worker training and instruction** provided to ensure health and safety
- The **necessary systems** of work, tools, equipment, etc., in **good condition** and at minimum risk to employees
- Acquaint employees with **workplace hazards**
- Provide **supervision**

Employee Responsibilities

- Comply with the Act and Regulations
- Ensure safe conduct
- Report hazards to the supervisor
- Wear personal protective equipment
- Co-operate with the JHSC
- Review OHS Signage Regulations

Personal Protective Equipment

- CSA Approved Steeled Toe Boots
- Safety Hard Hat
- CSA Safety Vest
- Long Pants & Shirt with sleeves
- Sunscreen
- Safety Glasses





WATCM (Work Area Traffic Control Manual)

- The WATCM provides a uniform set of traffic control guidelines for all work carried out on New Brunswick provincial roads.
- The WATCM is meant to be a practical guide that assists the user in identifying the appropriate level of traffic control necessary for a particular activity or situation.

Basic Principles of Work Area Traffic Control

- Traffic movement should be inhibited as little as possible.
- Road Users and pedestrians shall be guided in a clear, consistent, and positive manner while approaching and travelling through the Work Area.
- Routine inspections of traffic control shall be performed

Work Area Personnel

- Traffic Control Agents
- Traffic Control Persons
- Dedicated Traffic Observers
- Device Installers
- Other Workers

Work Area Personnel

Traffic Control Agents

Responsible for implementing and maintaining the Traffic Control Plan.

Duties:

- Ensuring minimum WATCM standards are met;
- Using additional Traffic Control Devices and worker protection where necessary;
- Performing routine inspections and documentation; and
- Ensuring that damaged or non-working devices are immediately replaced.

Training:

- All Traffic Control Agents must successfully complete a WATCM training course as approved by the Department of Transportation's Maintenance and Traffic Branch, with recertification required every three years.

Work Area Personnel

Traffic Control Persons (TCPs)

Responsible for regulating traffic in a Work Area and preventing conflicts between vehicles and Work Area Activities.

Duties:

- Direct traffic safely through the Work Area;
- Stop traffic whenever the progress of work requires; and
- Warning workers of impending danger.



Training:

- Traffic Control Persons shall complete training as per Occupational Health and Safety Act.
- Regulation 91-191 and the policies and procedures established by their employers.

Traffic Control Persons (TCP)

- Use Only Trained Workers
- Respect Their Work – they are the only ones between you and a speeding vehicle!
- Always Place “TCP Ahead Sign” in Advance of TCP
- When sign not in use turn, cover or take down

Work Area Personnel

Dedicated Traffic Observers

Responsible for monitoring oncoming traffic and warning workers of potential hazards or threats.

Use:

- During the setup and removal of Traffic Control Devices.
- For activities that require a worker to be on or near the traveled lane for only a very brief period.
- ***The Dedicated Traffic Observer shall not be engaged in any other activity while monitoring traffic.***

Training:

- All Dedicated Traffic Observers must attend a WATCM awareness session as approved by the Department of Transportation's Maintenance and Traffic Branch.

Work Area Personnel

Device Installers

Any person(s) directly involved with the setup and removal of Traffic Control Devices.

Training

- All device installers must attend a WATCM awareness session as approved by the Department of Transportation's Maintenance and Traffic Branch.

Work Area Personnel

Other Workers

Any other person on site while work is being carried out, including: operators, general labourers, and inspectors.

Training

- All workers must attend a WATCM awareness session as approved by the Department of Transportation's Maintenance and Traffic Branch.



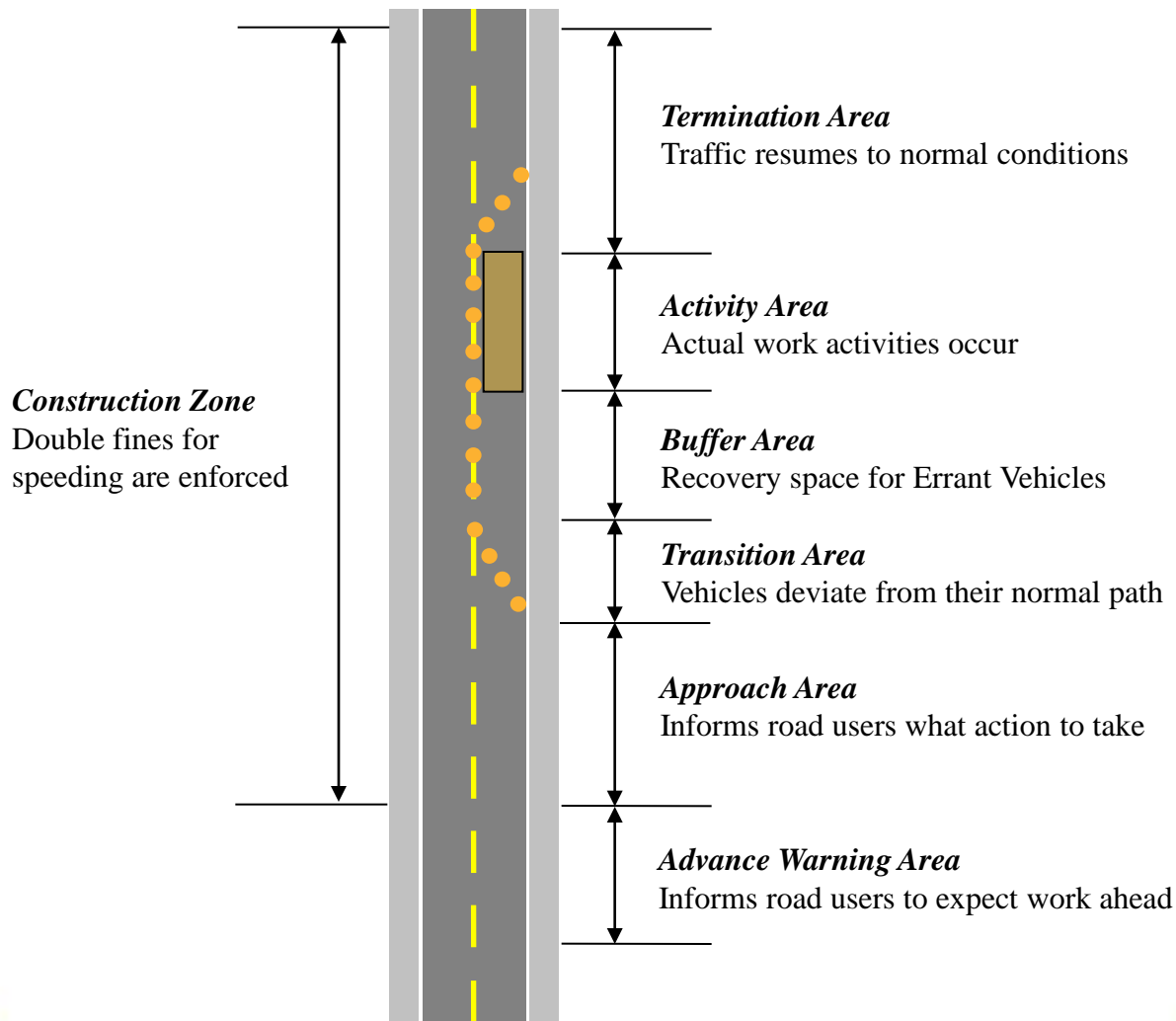
Work Area Characteristics

- **Type of Road (Two lane, Multilane)**
- **Work Location**
 - Roadside work
 - Shoulder
 - Partial or Full Lane Closure

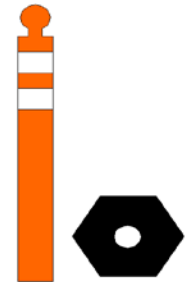
Work Area Characteristics

- **Work Duration**
 - Moving Operations
 - Very Short Duration (less than 30 min)
 - Short Duration (greater than 30 min, less than 1 day)
 - Long Duration (greater than 1 day)
- **Traffic Volumes and Speed**

Work Area Components



Traffic Devices



Traffic Control Device Condition

- Condition/Age
- Color
- Size
- Clean / Identifiable

Sign Installation

Orange Flags

- Shall be placed on “human activity” signs mounted below 1.0 m (portable supports only).
- Other signs mounted below 1.0 m do not require flags.



Setup & Removal Procedures

- Setup and removal of Traffic Control Devices can be more hazardous than completing the actual work.
- Activities shall be planned in advance and carried out in a quick, yet orderly, manner.

Setup & Removal Procedures

General Safety Principles:

- All workers shall wear appropriate PPE;
- Involved vehicles shall display appropriate lighting devices;
- **Work in the Activity Area shall only commence once all devices are in place;**
- No delineation devices, barriers, or barricades shall be installed until after all advance and approach signs have been setup; and
- A Dedicated Traffic Observer shall be present during all setup and removal activities.

Setup & Removal Procedures

- Document that a tailgate meeting was held.
- Go over setup and removal sequence with Traffic Control Agent.
- Ensure that Flashing Arrow Board is set to appropriate mode.

DON'T FORGET!

Safety is everyone's concern. No work activity shall begin for any **Activity Area** until all appropriate Traffic Control Devices are in place.

**Proper Signing
is not an extra to the job
It is part of the job**

**You can't have one without the
other!**

Summary

- Remain alert and aware of traffic and equipment at all times while performing “routine” activities
- Position yourself to keep an eye on approaching traffic and moving equipment
- Wear your personal protective equipment –
Be visible

Be Safe!