

Traffic Control – Protection Plan

The NCC T&D HSE management system mandates that all personnel involved in traffic control are adequately protected from the hazards associated with vehicular movement. This comprehensive plan covers not only the use of personal protective equipment but also engineering and administrative controls to minimize risks. Safety is the top concern when planning and executing traffic control strategies.

Objectives of Traffic Control

- Worker and Public Safety: Regulate traffic flow to safeguard both personnel and the motoring public.
- Traffic Management: Stop or slow traffic as required to support work progress, ensuring minimal disruption.
- Operational Efficiency: Allow construction activities to proceed safely while keeping traffic moving.
- Priority Management: Ensure that public traffic is given precedence over construction operations.

Traffic Protection Plan

For any project where workers may be exposed to traffic hazards, a written traffic protection plan is required. This plan must be available on all project sites and be understood by all stakeholders. It addresses every potential hazard and outlines the necessary measures to reduce risks.

Key Risks and Prevention Strategies

Collision Risks:

- Risk: Vehicles colliding with workers or equipment.
- Prevention: Establish physical barriers, use high-visibility signage, and implement traffic diversion methods.

Exposure to High-Speed Traffic:

- Risk: Workers encountering fast-moving vehicles.
- Prevention: Designate clear walkways and employ speed reduction measures.

Inadequate Communication:

- Risk: Miscommunication between traffic controllers and workers.
- Prevention: Use standardized signals and maintain continuous communication through radios or other devices.

Environmental Factors:

- Risk: Weather conditions affecting visibility and vehicle handling.
- Prevention: Monitor weather forecasts and adjust traffic control measures accordingly.

NCC T&D Project Leaders Key Responsibilities

Project Leaders must ensure the following:

- Plan Implementation: Oversee the development, communication, and enforcement of the traffic protection plan.
- Risk Assessment: Conduct regular assessments to identify and mitigate traffic hazards.
- Training Coordination: Ensure that all personnel receive comprehensive training on traffic control procedures.
- Documentation: Maintain detailed records of traffic control measures, training sessions, and any incidents.
- Emergency Preparedness: Develop and review rescue and emergency response procedures in case of traffic-related incidents.

Worker Responsibilities

Workers are required to:

- Adhere to Procedures: Follow all traffic control protocols and use designated pathways.
- Inspect and Report: Regularly inspect their personal protective equipment and report any defects or hazards immediately.

- **Participate in Training:** Attend all required training sessions and refresh their knowledge periodically.
- **Engage in Communication:** Maintain clear communication with supervisors and traffic controllers during operations.
- **Report Incidents:** Promptly report any near-misses or actual incidents to ensure continuous improvement of the plan.

Key Elements

- **Hazard Identification:** Detailed description of all potential traffic hazards at the project site.
- **Control Measures:** Specific actions and equipment used to mitigate identified risks (e.g., barriers, signage, speed controls).
- **Accessibility:** The traffic protection plan must be visibly posted at all project locations and available for review.
- **Compliance and Review:** Regular audits and reviews to ensure adherence to NCC T&D's HSE management system.

Key Takeaways

- **Risk Management:** Systematically identify and reduce traffic hazards through engineering and administrative controls.
- **Clear Responsibilities:** Both project leaders and workers have defined roles to ensure safety and efficiency.
- **Ongoing Training and Communication:** Continuous training, effective communication, and documentation are vital.
- **Accessibility of Information:** The plan should be readily available and updated as needed to reflect current operational conditions.

For more information, refer to NCC T&D's relevant IMS procedures or consult our HSE Department for expert guidance and training resources.