

1 Purpose:

To minimise health and safety risks associated with working in traffic.

2 Objective:

To comply with regulatory standards and contractual requirements.

3 Target:

- No incidents, accidents or injuries associated with working in traffic.
- No damage to plant, equipment, buildings or infrastructure from working in traffic.

4 Controls:

a) Acronyms and Definitions:

For the purposes of this SWI only:-

- (i) Traffic Controller: A person whose duty it is to control traffic at a Worksite [AS1742.3/1.4.18]
- (ii) TCO: Traffic Control Officer - a person qualified to design & install traffic controls
- (iii) TCP: Traffic Control Plan – a plan indicating the placement of traffic control devices
- (iv) TMP: Traffic Management Plan – a plan describing the approach to traffic control
- (v) Work Area: Has the meaning defined at AS1742.3 clause 1.4.22
- (vi) Work Site: Has the meaning defined at AS1742.3 clause 1.4.23
- (vii) WZTM: Work Zone Traffic Management

b) General

Where there is a risk that construction work may interact with pedestrian or vehicular traffic, the responsible Project Manager shall :-

- (i) appoint person(s) to manage traffic (the “Traffic Control Officer(s)”)
- (ii) arrange for preparation of a project TMP (which shall detail the approach to be taken to traffic management in accordance with AS1742.3 /2.2.2, including site pedestrian & vehicle movements)
- (iii) arrange for preparation of individual TCPs in accordance with the TMP [AS1742.3 /2.2.1]
- (iv) ensure all such plans comply with AS 1742:3 2003, the Contract, and any other relevant and applicable standards
- (v) arrange for review and approval of such plans in accordance with the Contract and the requirements of authorities with jurisdiction for public roads affected by the controls
- (vi) arrange for implementation, monitoring, and maintenance of traffic controls in accordance with those plans
- (vii) ensure records of plans and implementation are made and retained.
- (viii) ensure Traffic Control Officers and Traffic Controllers are appropriately trained and instructed
- (ix) ensure all workers are aware of the traffic controls insofar as it affects their activities

c) Project Start Up

- (i) Hazards associated with traffic and traffic controls shall be identified in the Project Risk Assessment.
- (ii) The TMP shall include a detailed risk assessment (in accordance with AS1742.3 clause 2.2.3), and address specific controls in accordance with Hierarchy of Control principles
- (iii) Project staging shall be addressed, including any temporarily trafficked areas, and staging plans developed for incorporation in the TMP.
- (iv) The Project Manager shall also prepare, implement and maintain a Site Traffic Movement Plan to control movement of pedestrians, vehicles and construction traffic into, within, and out of the Site

d) During Construction

- (i) A specific TCP shall be prepared for each **Work Site** and each **Work Area**, taking into account the layout of roads, traffic flow paths, and the circumstances pertaining to the **Work Area** and the work to be conducted within the **Work Area**.
- (ii) TCPs shall comply with AS 1742.3, the Contract, and any other relevant and applicable standards, and shall clearly indicate:-
 - Layout of roads and traffic lanes
 - Location and extent of the defined **Work Area**
 - Minimum clearance required from plant and workers to traffic (in particular, for cranes, excavators, EWPs and concrete boom pumps)
 - Direction of traffic flow in each lane
 - Pedestrian movements
 - Signs, bollards, cones and other traffic control devices (e.g. traffic lights)
 - Dimensions between signs and the limit of the **Work Area**
 - Orientation (i.e. :North”)
 - The sequence of installing the controls and dismantling the controls
 - The requirement for **Traffic Controllers** (manual stop/slow control)
- (iii) TCPs shall be drafted by TCOs, preferably using appropriate software. However, a neat, hand-drawn sketch is better than no plan at all.
- (iv) TCPs which merely refer to a generic, typical traffic control layout by reference to a handbook are not acceptable, except in the simplest circumstances, and subject to specific approval of the Project Manager in each instance.
- (v) TCPs shall be reviewed and approved in accordance with the Contract and the requirements of authorities with jurisdiction for public roads affected by the TCPs prior to implementation.
- (vi) Traffic controls shall be implemented in accordance with the approved TCP prior to work commencing in the **Work Area** protected by the controls shown on the TCP
- (vii) During deployment of traffic controls in accordance with the TCP, the responsible TCO shall regularly inspect the traffic controls to ensure they continue to conform to the TCP, reinstate any controls that are vandalised, disturbed or displaced, and record information prescribed at Appendix A of AS 1743.3 using FO.035, including the time of each such inspection and any corrective actions.
- (viii) In the event that TCO duties are delegated to subcontractors, the subcontractor shall comply with all provisions of this SWI. The subcontractor may use their own forms for recording inspection and maintenance of traffic controls if their form captures all information detailed on FO.035, otherwise the subcontractor shall use FO.035
- (ix) TCPs relevant to the work to be conducted during that shift shall be available for inspection by workers at each daily prestart briefing.
- (x) Movement of construction plant across or within public traffic shall be appropriately controlled by accredited **Traffic Controllers** or traffic signals in accordance with AS1742.3 clause 2.3.3, or by “shadow” escort vehicles in accordance with AS1742.3 clauses 4.4.1, 4.4.3 or 4.6.

5 Permits/Licences:

- (i) TCOs shall be trained in WZTM applicable to the jurisdiction in which the work is performed.
In SA this is a DPTI WZTM ticket.
- (ii) To conduct WZTM in SA on DPTI roads, a permit from DPTI Traffic Management Centre is required.

6 Emergency Response:

In the event of failure of the traffic controls to regulate traffic as designed, work in the associated **Work Area** shall cease until safe traffic flow is restored.

In the event of an incident associated with a **Work Area** under the protection of a TCP, work shall cease until the incident is cleared, safe traffic flow restored, and it is safe to resume work.

In the event of any other emergency, response shall be in accordance with the Project Emergency Response Plan.

7 Program Inspection:

- (i) The TMP shall be reviewed at the same time and frequency as the Project Management Plan.
- (ii) Relevant TCPs shall be reviewed daily prior to deployment of controls, and whenever there is any incident involving traffic operating under the TCP.
- (iii) Traffic controls shall be inspected in accordance with this SWI & reported daily using FO.035

8 References:

- (i) Work, Health & Safety Act, SA 2012
- (ii) Work, Health & Safety Regulations, SA 2012
- (iii) COP under SA WHS Laws 2012:-
 - How to Manage Work Health and Safety Risks
 - Construction Work
 - Managing the Work Environment and Facilities
- (iv) South Australian Road Traffic Act, 1961, Section 20
("Duty to place speed limit signs in relation to work areas or work sights".
- (v) The Code of Technical Requirements for the Legal Use of Traffic Control Devices, 1999.
- (vi) AS1742.3 Manual of Uniform Traffic Control Devices

9 Tools/Forms:

- [FO 113 Safety Inspection](#)
- [FO 111 Induction Register](#)
- [FO 37 Safe Work Method Statement Template](#)
- [FO 39 WZTM Inspection](#)