

SOUTHERN PORTS

ALBANY BUNBURY ESPERANCE

TRANSAFEWA
WA Road Transport Industry Safety
Forum

Traffic Management at Southern Ports

Darren Chapman – General Manager HSES

Traffic Management Plans

- Developed for each port
- Includes key information on:
 - Legal and other requirements
 - Roles and responsibilities
 - Maps
 - Risk assessment
 - Traffic management controls
 - Communication
 - Enforcement
 - Vehicle / equipment types
 - Port User traffic management
 - Incident reporting

SOUTHERN PORTS
PORT OF ESPERANCE

TRAFFIC MANAGEMENT PLAN

Document Users : ALL EMPLOYEES
Responsible Person : SAFETY & SECURITY MANAGER
Revision Trigger : YEARLY

Version	Prepared	Reviewed	Approved	Date	Description
1	D. Graham	M. Devenish, B. Dan, M. Cole	D. Graham	10.05.17	Complete review

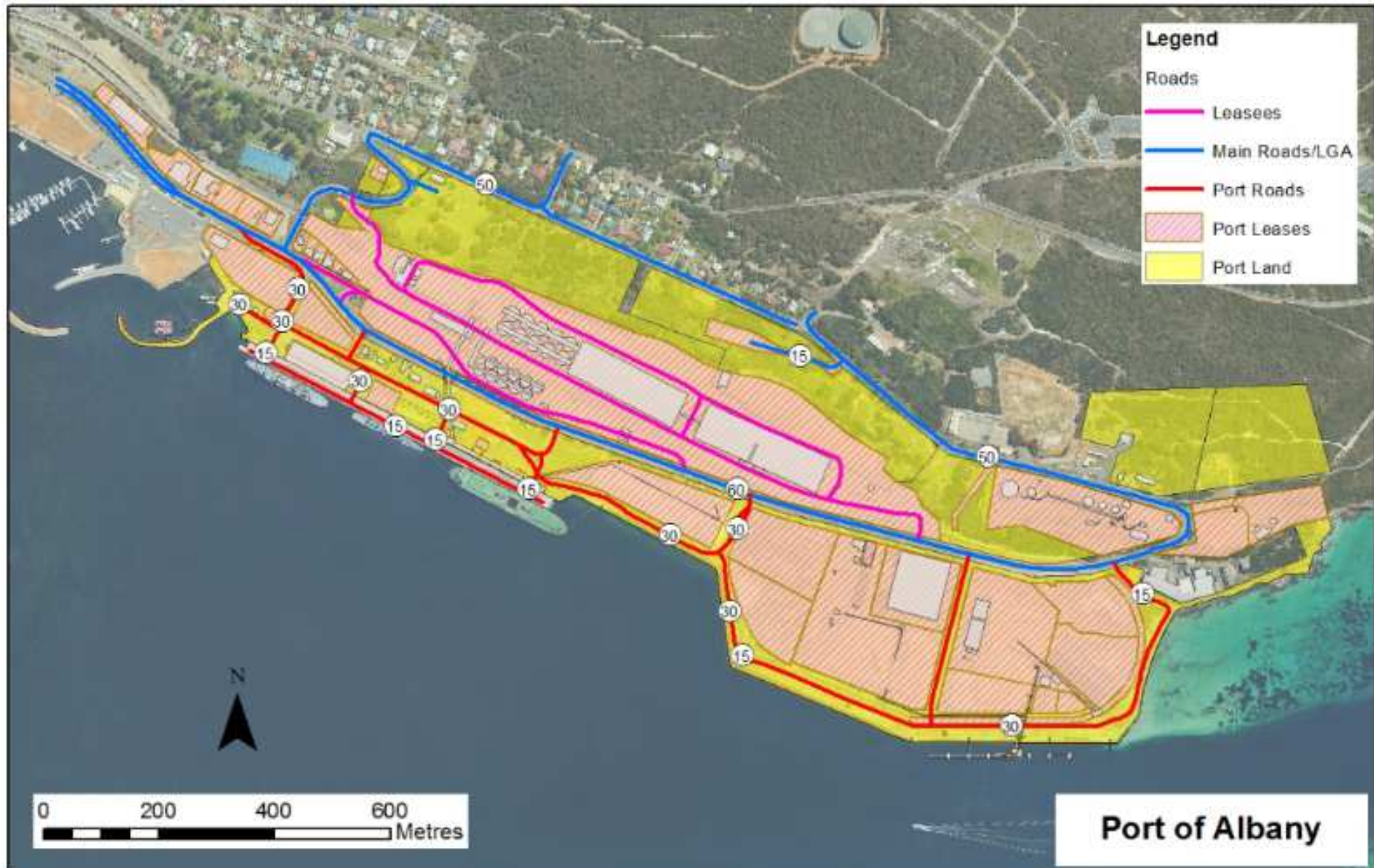
3.9.2 Pedestrians Crossing Rail
3.9.3 Vehicle Rail Crossings

(If this TAP is related to Deliveries to Site, or short term traffic change, consider if any unplanned events may alter the plan (e.g. breakdown, mechanical failure, truck enters incorrect area and can't turn around))

Legal and other requirements

- Occupational Safety & Health Act 1984
- Occupational Safety & Health Regulations 1996
- Australian Standard AS/NZS 31000 Risk management
- Australian Standard AS/NZS 4602 High visibility safety garments
- Australian Standard AS/NZS 1742 Manual & Uniform Traffic Control Devices
- MRWA CoP Traffic Management for Works on Roads
- NOHSC:1006 Standard for Users & Operators of Industrial Equipment
- NOHSC:7019 Standard for the Operation of Load Shifting Equipment

Albany Port Traffic Management



10/04/2010

Bunbury Port Outer Harbour Traffic Management



10/04/2010

Bunbury Port Inner Harbour Traffic Management



10/04/2010

Esperance Port Traffic Management



Risk assessment

- Operational risk registers at each Port
- Consideration of traffic related:
 - Risk scenarios
 - Hazards
 - Risks (inherent and residual)
 - Controls

Traffic Management	<ul style="list-style-type: none"> • Injury and/or property damage • Uncontrolled vehicle movement on site • Interaction of vehicles, infrastructure and pedestrians • Speed • Unauthorised and/or unsafe parking • Road conditions • Interaction with rail 	Likely	Moderate	17	<ul style="list-style-type: none"> • Mine Safety and Inspection Act 1994 • Mine Safety and Inspection Regulations 1995 • Occupational Safety and Health Act 1984 • Occupational Safety and Health Regulations 1996 • Road Traffic Act 1974 • Road Safety Council Act 2002 • Road Traffic Administration Act 2008 • Road Traffic Act 2008 	STANDARDS: <ul style="list-style-type: none"> • AS/NZS 2890.1 -2004 Parking Facilities - Off Street Parking • AS/NZS 4602 - 1999 High Visibility Safety Garments CODES OF PRACTICE: <ul style="list-style-type: none"> • Working Safety with Forklifts [DMIRS WA] • Safe Movement of Vehicles at Workplaces [DMIRS WA] • Safe Movement of Vehicles [DMIRS WA] GUIDANCES: <ul style="list-style-type: none"> • Working Safety with Forklifts [DMIRS WA] • Safe Movement of Vehicles at Workplaces [DMIRS WA] • Safe Movement of Vehicles [DMIRS WA] 	PROCEDURES: <ul style="list-style-type: none"> • Traffic Management Plan • Contractor Handbook 	<ul style="list-style-type: none"> • Infrastructure/Rail maintenance • Rail crossing controls • Guarding • Speed humps • Designated walkways/ parking areas • Sealed roads • Induction • Traffic Awareness communications 	7
---------------------------	--	--------	----------	----	--	---	---	---	---

Traffic management controls

- Separation
 - Pedestrian walkways
 - Line markings
 - Barriers/guards/bollards/cones
- Engineering
 - Speed bumps
 - Sealed roads
 - Boom gates (road/rail)
- Administration
 - Speed limits
 - Speed monitoring
 - Signage
 - Procedures (TMP, Permit to work)
 - Alcohol and drug testing (random, post incident, for cause)
 - Training (licencing, inductions, Alerts)
- Personal Protective Equipment
 - High visibility clothing

Communication

- Port induction
 - Workers/Contractors
 - Port Users
 - Visitors
- Contractor handbook
 - Internet/intranet
- Port handbook
 - Internet/intranet
- Alerts and notices
 - Email
 - Noticeboards
 - Intranet

Safety Alert

Alert Number: 27

Alert Title: Site Wide Speed Limit Reduced to

Alert Date: 6 September 2017 Site: Southern Ports - Esperance

Effective as of Thursday 7th September 2017, 06:00hrs the maximum speed limit across site will be reduced to 20km/h, this means all previously sign posted 30km/h zones will be reduced to 20km/h.

20

SPEED

LIMIT

The reduction in the speed limits is due to the amount of road works currently occurring across the Port LRZ areas and for future road works planned over the next couple of months.

Contact: David Graham Safety & Security Manager 0429 553 912

Name Officer Phone

1 | Page

05/13/06
2
10/04/2017
14/1
05/10/12

10
CS
02/2018
containers
48 hour
the trucks

prth 2.
lined with

Page 1 of 1 This copy printed 24/02/2018

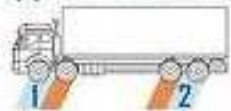
Enforcement

- Speed monitoring
 - Static and mobile variable message signs
 - Calibrated speed detection radar
 - Random positioning (high traffic areas)
- Surveillance and access control
 - CCTV
 - Electronic swipe cards
- Administration
 - Inspections
 - Internal audits
 - Workforce engagements
 - Verbal and/or written warnings
 - Site access restriction



Vehicle and equipment types

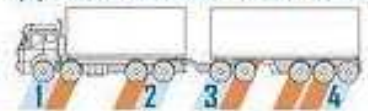
(A) TRUCK LIVESTOCK OR VEHICLE CARRIER



(B) TRUCK TOWING A PIG TRAILER



(C) TRUCK TOWING A DOG TRAILER



(A) PRIME MOVER, SEMI TRAILER TOWING A PIG TRAILER



(B) PRIME MOVER TOWING AN OVERHEIGHT SEMI TRAILER



(C) SHORT B-DOUBLE



(D) TWINSTEER PRIME MOVER TOWING SEMI TRAILER



- Considered in road and wharf design
 - Mobile cranes (incl. forklifts)
 - Fixed plant
 - Restricted Access Vehicles (RAV)
 - » Trucks/Prime Movers/Tri Drives
 - » Trailer combinations (singles/doubles)
- Gross vehicle mass/gross trailer mass
 - Load limits vary for wharves across Ports (enquire locally at each Port)

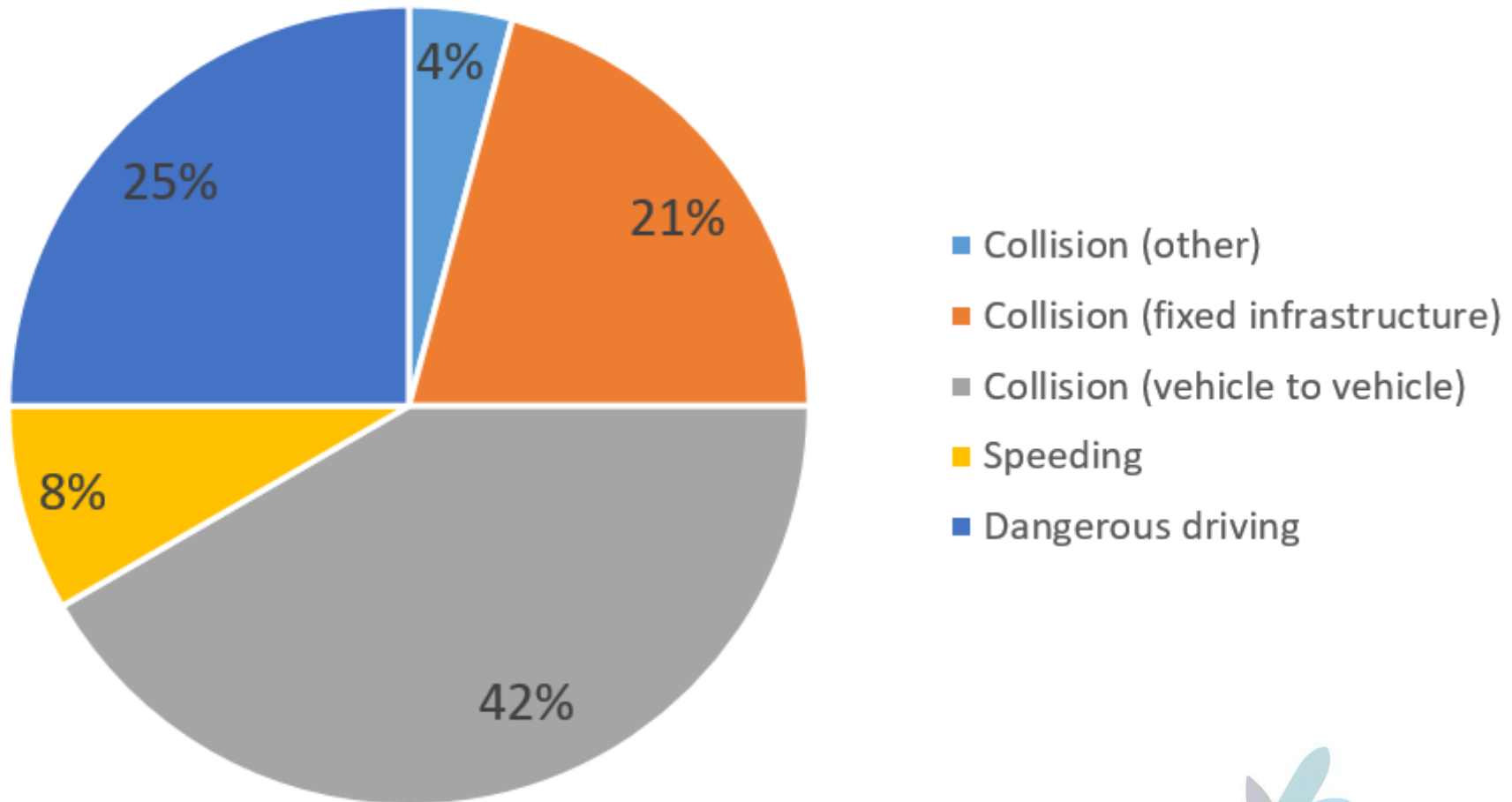
Port User Traffic Management

- Applicable to:
 - Licensees (common user areas)
 - Leaseholders (lease areas)
 - Contractors
- Port User traffic management
 - Various forms (TMP/TAP)
 - Overlays Port TMP
 - Details traffic management requirements
 - Linked to PTW (time-bound)
- Authorised by Port



Incident reporting

- Traffic related incidents all Ports (April 17 – Mar 18)





Questions?

