

SYDNEY PORTS CORPORATION

Traffic Management Plan Guidelines

December 2007



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I. Introduction

Sydney Ports Corporation (Sydney Ports) is the commercial manager of port related facilities at Port Botany, Sydney Harbour, Cooks River and Enfield.

A key role of Sydney Ports is to facilitate trade by providing competitive advantage to importers, exporters and the port related supply chain. The number of port users at these facilities requires an approach that allows for the effective management of landside road transport movements to support economic, environmental and social objectives of the port's activities. The introduction of a Traffic Management Plan has been identified by Sydney Ports as a useful tool in meeting this challenge.

The purpose of this document is to provide guidelines that can assist an Applicant in developing a Traffic Management Plan to manage road transport operations at their facility, construction works or other activities of a temporary nature. The document outlines the context for the Traffic Management Plan, provides a checklist to assist an Applicant in complying with the prerequisite elements of a Traffic Management Plan, and outlines the approval process undertaken by the Applicant for any operational and/or infrastructure arrangements that influence road transport management.

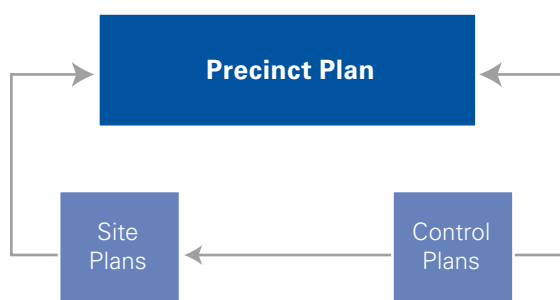
2. Traffic Management Plan Framework



Sydney Ports has defined a three tiered framework that supports the development and implementation of a Traffic Management Plan (Figure 1).

This approach provides an effective transport management system for all port users, assists individual operators in assessing and managing their operations within the port precinct, and facilitates orderly planning for future infrastructure and operational requirements.

Figure 1: Sydney Ports Traffic Management Plan Framework



Traffic Management Precinct Plan

(prepared by Sydney Ports as overarching traffic management plan)

This is an overarching plan that outlines the key road transport management principles for each port precinct, taking into account the cumulative effect of road transport operations. These plans are relevant to an Applicant as they provide a basis for understanding the extent of local road transport generation and is a guide in developing a consistent Traffic Management Site Plan and/or Traffic Management Control Plan. Sydney Ports has prepared an individual Traffic Management Precinct Plan for Port Botany, Sydney Harbour (including Glebe Island / White Bay, Darling Harbour and Overseas Passenger Terminal) and Cooks River. Further details for each Traffic Management Precinct Plan are provided in the Sections A1 to A3.

2. Traffic Management Plan Framework

Traffic Management Site Plan

(prepared by port users for permanent arrangements)

This is a localised plan prepared by an Applicant when undertaking permanent operational and/or infrastructure arrangements to road transport management at a particular site. This plan would consider a number of issues, including the number of truck movements, site access and egress, parking and queuing areas, heavy vehicle management and hours of operation. A Traffic Management Site Plan requires the approval of Sydney Ports and, in some instances, other government agencies, before implementation can proceed. Further details are provided in Section 3 of this document.

Traffic Management Control Plan

(prepared by port users for short term uses or construction arrangements)

This is a localised plan prepared by an Applicant when undertaking short term uses or construction to control road transport management arrangements of a temporary nature. This would be developed in a number of situations, such as temporary uses on individual sites related to port activities and traffic management for construction works. A Traffic Management Control Plan requires the approval of Sydney Ports before implementation can proceed. Further details are provided in Section 4 of this document.

3. Preparing a Traffic Management Site Plan



The purpose of this section is to assist an Applicant in preparing a Traffic Management Site Plan for permanent operational and/or infrastructure arrangements. These guidelines should be considered as a minimum requirement. Further information may be required by Sydney Ports or other parties during the preparation of a Traffic Management Site Plan.

The use of suitably qualified personnel, such as a traffic engineer, is strongly recommended to ensure that all the necessary requirements are addressed when developing a Traffic Management Site Plan. A checklist outlining what should be considered and included by the Applicant when preparing a Traffic Management Site Plan is provided below.

Checklist for preparing a Traffic Management Site Plan

Have you included a description of the proposed operational and/or infrastructure arrangement?

Details should be provided of the proposed operational and/or infrastructure arrangement, including its purpose, a description of the proposed permanent arrangements and affected roads.

Have you identified and adequately assessed the traffic impacts of the proposed operational and/or infrastructure arrangement?

The assessment would consider and include, where required, information on daily and/or hourly traffic volume data generated by the site and/or permanent arrangement, vehicle numbers (cars and trucks), access arrangements, off-street parking needs and queuing requirements. Any impacts on adjoining properties, the port precinct or the adjoining road network generated by the proposed arrangement would need to be included in the assessment.

Have you detailed traffic management measures to ameliorate the impacts of the proposed operational and/or infrastructure arrangement?

Details need to be provided on the proposed standard and contingency measures to minimise the impact of the permanent arrangements on the site and adjoining road network.

Have you considered and addressed any special provisions required for emergency vehicles, heavy vehicles, public transport services, cyclists and pedestrians?

Details need to be provided for any special provisions made for emergency vehicles, heavy vehicles, public transport services, cyclists and pedestrians, including measures in place and notifications required.

Have you consulted with Sydney Ports, adjoining properties and government agencies that may be affected by the proposed operational and/or infrastructure arrangement?

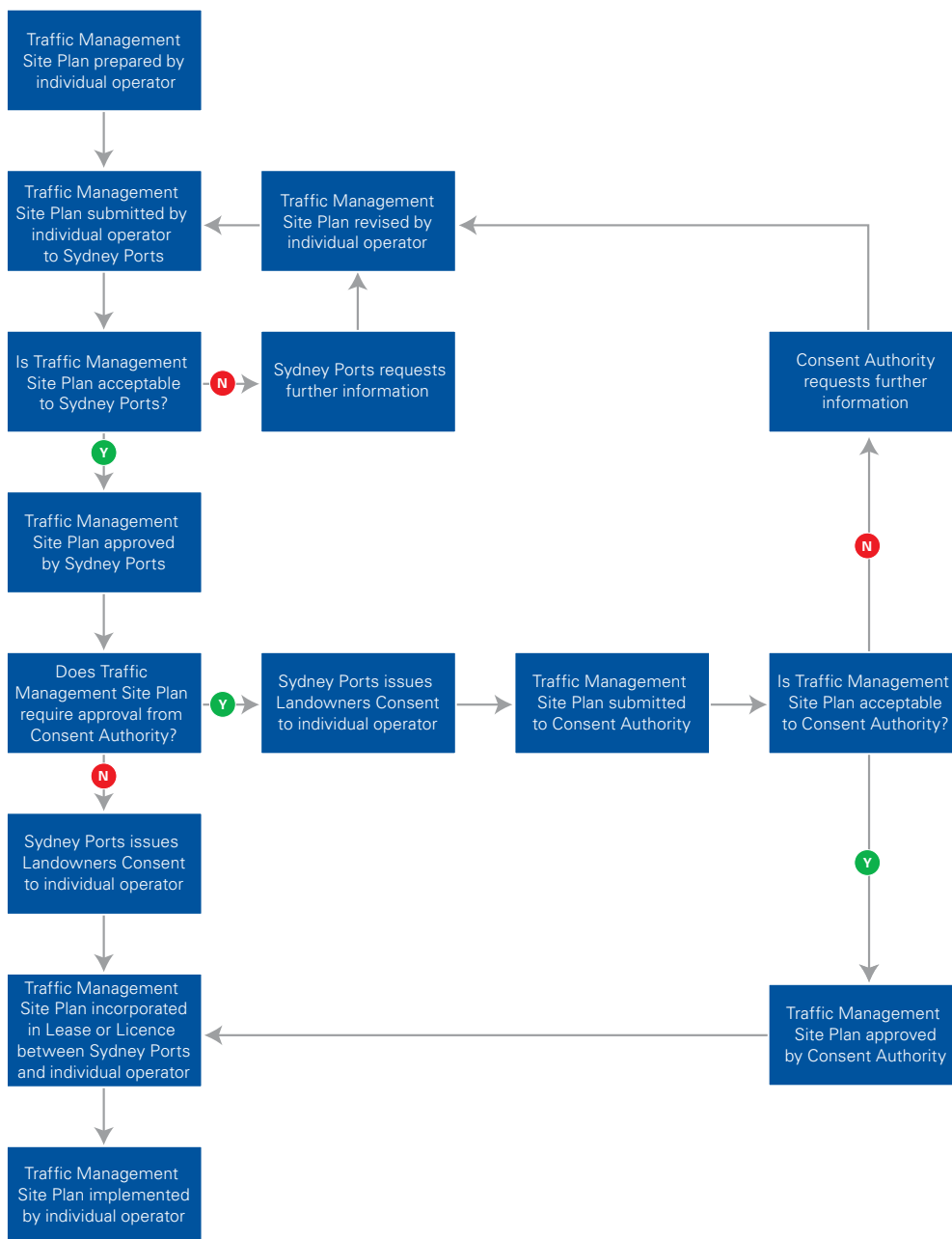
Consultation is required with Sydney Ports, adjoining properties and government agencies where they are directly affected by the proposed arrangements. Any issues raised must be satisfactorily addressed as part of the permanent arrangements.

3. Preparing a Traffic Management Site Plan

Once a Traffic Management Site Plan has been prepared, approval will be required from Sydney Ports to ensure its consistency with the Traffic Management Precinct Plan. Further approvals may also be required from government agencies and may extend the period

of time to develop and/or implement the Traffic Management Site Plan. A flow chart outlining the process for developing and implementing the Traffic Management Site Plan is included in Figure 2.

Figure 2: Approval process for Traffic Management Site Plan



4. Preparing a Traffic Management Control Plan

The purpose of this section is to assist an Applicant in preparing a Traffic Management Control Plan for short term uses or construction arrangements. These guidelines should be considered as a minimum requirement. Further information may be required by Sydney Ports or other parties during the preparation of a Traffic Management Control Plan.

The use of suitably qualified personnel, such as a traffic engineer, is strongly recommended to ensure that all the necessary requirements are addressed when developing a Traffic Management Control Plan. A checklist outlining what should be considered and included by the Applicant when preparing a Traffic Management Control Plan is provided below.

Checklist for preparing a Traffic Management Control Plan

Have you included a description of the proposed operational and/or infrastructure arrangement?

Details need to be provided of the proposed works, including its purpose, a description of the works, temporary arrangements to be provided and affected roads.

Have you identified and adequately assessed the traffic impacts of the proposed operational and/or infrastructure arrangement? *(for short term uses or construction arrangements over a period greater than three months)*

The assessment would consider and include, where required, information on daily and/or hourly traffic volume data generated by the proposed works or short term use, vehicle numbers (cars and trucks), access arrangements, off-street parking needs and queuing requirements. Any impacts on adjoining properties, the port precinct or the adjoining road network generated by the proposed works or short term use would need to be included in the assessment.

Have you detailed traffic management measures to ameliorate the impacts of the proposed operational and/or infrastructure changes?

Details need to be provided on the proposed standard and contingency measures to minimise the impact of the proposed works or short term use to be provided, including temporary or revised traffic arrangements, road closures and traffic control options.

Have you considered and addressed any special provisions required for emergency vehicles, heavy vehicles, public transport services, cyclists and pedestrians?

Details should be provided for any special provisions made for emergency vehicles, heavy vehicles, public transport services, cyclists and pedestrians, including measures in place and notifications required.

Have you consulted with Sydney Ports, adjoining properties and government agencies that may be affected by the proposed operational and/or infrastructure arrangement? *(for short term uses or construction arrangements over a period greater than three months)*

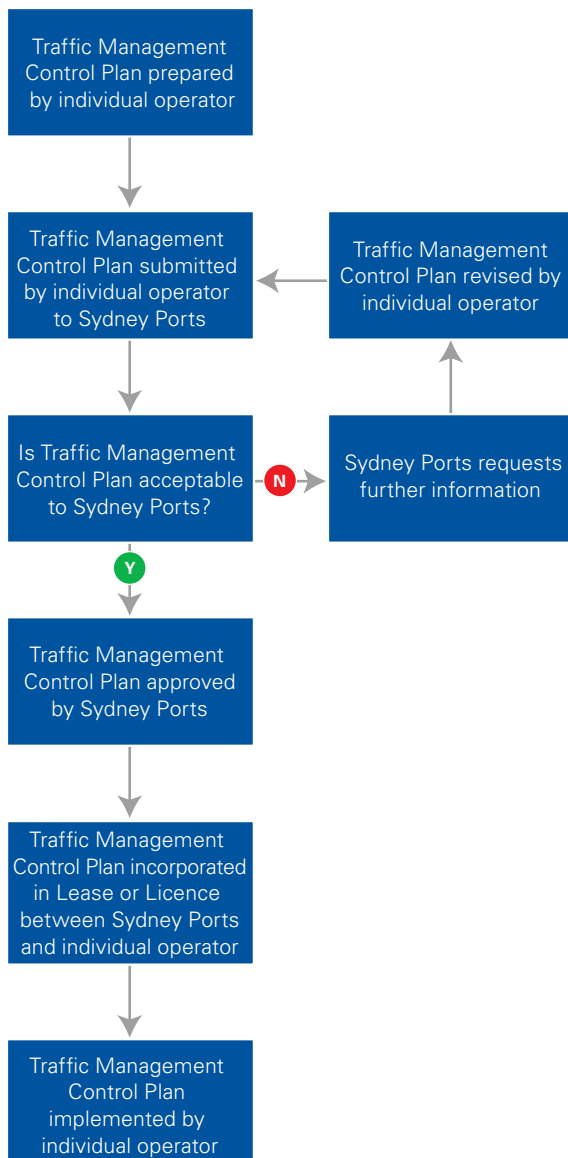
Consultation is required with Sydney Ports, adjoining properties and government agencies where they are directly affected by the proposed works or short term use. Any issues raised must be satisfactorily addressed as part of the proposed temporary or short term use arrangements.

4. Preparing a Traffic Management Control Plan

Once a Traffic Management Control Plan has been prepared, approval will be required from Sydney Ports to ensure its consistency with the Traffic Management Precinct Plan.

A flow chart outlining the process for developing and implementing the Traffic Management Control Plan is included in Figure 3.

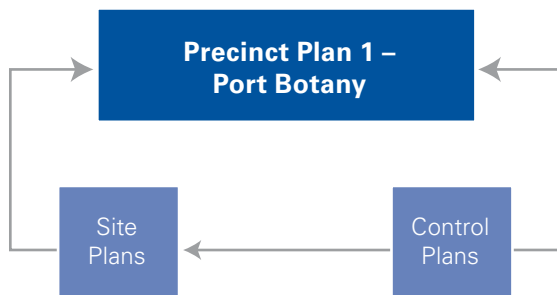
Figure 3: Approval process for Traffic Management Control Plan



AI. Precinct Plan I – Port Botany



Sydney Ports Corporation (Sydney Ports) has defined a three tiered framework that supports the development and implementation of a Traffic Management Plan. This approach provides an effective transport management system for all port users, assists individual operators in assessing and managing their operations within the port precinct, and facilitates orderly planning for future infrastructure and operational requirements.



A Traffic Management Precinct Plan has been prepared as an overarching Traffic Management Plan at Port Botany. The purpose is to:

- identify the key principles for road transport management at Port Botany;
- outline the key considerations for an Applicant when preparing a Traffic Management Site Plan for permanent operational and/or infrastructure arrangements; and
- outline the key considerations for an Applicant when preparing a Traffic Management Control Plan when undertaking short term uses or construction arrangements.

1. Precinct Area

The precinct area at Port Botany includes the following roads:

- Botany Road;
- Bumborah Point Road;
- Charlotte Road;
- Foreshore Road;
- Friendship Road;
- Interterminal Access Road;
- Penrhyn Road;
- Prince of Wales Drive; and
- Simblist Road.

2. Traffic Management Principles

The following transport management principles have been adopted at Port Botany:

- all transport users are to operate on the road system in a safe manner;
- all transport users are to comply with the road traffic regulations assigned in the port precinct;
- parking is only permitted in areas authorised by Sydney Ports or lessees;
- queuing is only permitted in areas authorised by Sydney Ports or lessees;
- all transport users are to comply with any directions made by authorised officers of Sydney Ports, Roads and Traffic Authority, City of Botany Bay, Randwick City Council, Police or other authorised parties; and
- any transport user may be prohibited from entering the port precinct if the traffic management principles are not followed.

A1. Precinct Plan 1 – Port Botany

3. Traffic Management Information

A series of studies and reports on current and projected traffic volumes at Port Botany has been compiled by Sydney Ports. This information can be made available upon request.

A set of guidelines on preparing a Traffic Management Site Plan or Traffic Management Control Plan has been compiled by Sydney Ports. It is strongly recommended that these guidelines are used by an Applicant when preparing a Traffic Management Site Plan or Traffic Management Control Plan.

4. Environmental Considerations

A proposal by an Applicant for modifications to operational and/or infrastructure traffic management arrangements at Port Botany may require an assessment to be undertaken to ensure the proposal is acceptable from an environmental, safety and security perspective. Sydney Ports has safety and security policies for the precinct that may need to be considered as part of a proposal. It is the responsibility of an Applicant to undertake the necessary assessment when preparing a Traffic Management Site Plan or a Traffic Management Control Plan. This assessment must be completed before any modifications to operational and/or infrastructure traffic management arrangements at Port Botany are undertaken.

5. Consultation Stakeholders

A proposal by an Applicant that involves modifications to operational and/or infrastructure traffic management arrangements at Port Botany may require consultation with the following parties:

- Sydney Ports;
- adjacent lessees and landholders;
- Randwick City Council;
- City of Botany Bay;
- Roads and Traffic Authority;
- emergency services (ie. Police, Fire Brigade, Ambulance Service);
- utilities (ie. Telstra, Energy Australia, Sydney Water);

- rail infrastructure providers (ie. RailCorp and/or Australian Rail Track Corporation); and
- Department of Planning.

It is the responsibility of an Applicant to undertake the necessary consultation when preparing a Traffic Management Site Plan or a Traffic Management Control Plan. Sydney Ports strongly encourages an Applicant to include a consultation program when preparing a Traffic Management Site Plan.

6. Approval Authorities

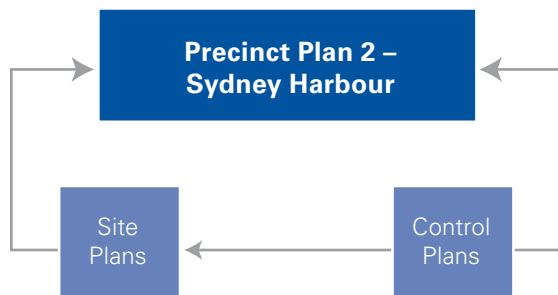
A proposal by an Applicant that involves modifications to operational and/or infrastructure traffic management arrangements at Port Botany may require traffic and/or planning approval(s) from the following agencies:

- Sydney Ports;
- Randwick City Council;
- City of Botany Bay;
- Roads and Traffic Authority; and
- Department of Planning.

It is the responsibility of an Applicant to obtain the necessary traffic and/or planning approval(s) required when preparing a Traffic Management Site Plan or a Traffic Management Control Plan. All necessary approval(s) must be obtained in writing before any modifications to operational and/or infrastructure traffic management arrangements at Port Botany are undertaken.

A2. Precinct Plan 2 – Sydney Harbour

Sydney Ports Corporation (Sydney Ports) has defined a three tiered framework that supports the development and implementation of a Traffic Management Plan. This approach provides an effective transport management system for all port users, assists individual operators in assessing and managing their operations within the port precinct, and facilitates orderly planning for future infrastructure and operational requirements.



A Traffic Management Precinct Plan has been prepared as an overarching Traffic Management Plan at Sydney Harbour, which includes the port precincts of Darling Harbour, Glebe Island, Overseas Passenger Terminal and White Bay. The purpose is to:

- identify the key principles for road transport management at Sydney Harbour;
- outline the key considerations for an Applicant when preparing a Traffic Management Site Plan for permanent operational and/or infrastructure arrangements; and
- outline the key considerations for an Applicant when preparing a Traffic Management Control Plan when undertaking short term uses or construction arrangements.

1. Precinct Areas

The precinct areas at Sydney Harbour include the following roads:

- Glebe Island/White Bay – James Craig Road, Sommersville Road, Robert Street;
- Darling Harbour – Hickson Road, Sussex Street, Shelley Street, Towns Place; and
- Overseas Passenger Terminal – Argyle Street, Circular Quay West Road.

2. Traffic Management Principles

The following traffic management principles have been adopted for the precinct areas at Sydney Harbour:

- all transport users are to operate on the road system in a safe manner;
- all transport users are to comply with the road traffic regulations assigned in the port precinct;
- parking is only permitted in areas authorised by Sydney Ports or lessees;
- queuing is only permitted in areas authorised by Sydney Ports or lessees;
- all transport users are to comply with any directions made by authorised officers of Sydney Ports, Roads and Traffic Authority, City of Sydney, Leichhardt Municipal Council, Police or other authorised parties; and
- any transport user may be prohibited from entering the port precinct if the traffic management principles are not followed.

A2. Precinct Plan 2 – Sydney Harbour

3. Traffic Management Information

A series of studies and reports on current and projected traffic volumes for the port precincts at Sydney Harbour has been compiled by Sydney Ports. This information can be made available upon request.

A set of guidelines on preparing a Traffic Management Site Plan or Traffic Management Control Plan has been compiled by Sydney Ports. It is strongly recommended that these guidelines are used by an Applicant when preparing a Traffic Management Site Plan or Traffic Management Control Plan.

4. Environmental Considerations

A proposal by an Applicant for modifications to operational and/or infrastructure traffic management arrangements for any precinct at Sydney Harbour may require an assessment to be undertaken to ensure that the proposal is acceptable from an environmental, safety and security perspective. Sydney Ports has safety and security policies for the precincts that may need to be considered as part of a proposal. It is the responsibility of an Applicant to undertake the necessary assessment when preparing a Traffic Management Site Plan or a Traffic Management Control Plan. This assessment must be completed before any modifications to operational and/or infrastructure traffic management arrangements for any precinct at Sydney Harbour are undertaken.

5. Consultation Stakeholders

A proposal by an Applicant that involves modifications to operational and/or infrastructure traffic management arrangements for any precinct at Sydney Harbour may require consultation with the following parties:

- Sydney Ports;
- adjacent lessees and landholders;
- City of Sydney;
- Leichhardt Municipal Council;
- Roads and Traffic Authority;

- emergency services (ie. Police, Fire Brigade, Ambulance Service);
- utilities (ie. Telstra, Energy Australia, Sydney Water);
- rail infrastructure providers (ie. RailCorp, Australian Rail Track Corporation);
- Sydney Harbour Foreshore Authority; and
- Department of Planning.

It is the responsibility of an Applicant to undertake the necessary consultation when preparing a Traffic Management Site Plan or a Traffic Management Control Plan. Sydney Ports strongly encourages an Applicant to include a consultation program when preparing a Traffic Management Site Plan.

6. Approval Authorities

A proposal by an Applicant that involves modifications to operational and/or infrastructure traffic management arrangements for any precinct at Sydney Harbour may require traffic and/or planning approval(s) from the following agencies:

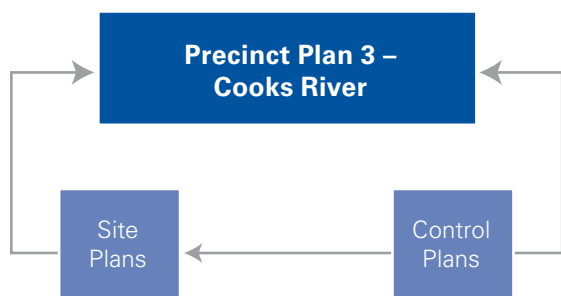
- Sydney Ports;
- City of Sydney;
- Leichhardt Municipal Council;
- Roads and Traffic Authority;
- Sydney Harbour Foreshore Authority; and
- Department of Planning.

It is the responsibility of an Applicant to obtain the necessary traffic and/or planning approval(s) required when preparing a Traffic Management Site Plan or a Traffic Management Control Plan. All necessary approval(s) must be obtained in writing before any modifications to operational and/or infrastructure traffic management arrangements for any precinct at Sydney Harbour are undertaken.

A3. Precinct Plan 3 – Cooks River



Sydney Ports Corporation (Sydney Ports) has defined a three tiered framework that supports the development and implementation of a Traffic Management Plan. This approach provides an effective transport management system for all port users, assists individual operators in assessing and managing their operations within the port precinct, and facilitates orderly planning for future infrastructure and operational requirements.



A Traffic Management Precinct Plan has been prepared as an overarching Traffic Management Plan at Cooks River. The purpose is to:

- identify the key principles for road transport management at Cooks River;
- outline the key considerations for an Applicant when preparing a Traffic Management Site Plan for permanent operational and/or infrastructure arrangements; and
- outline the key considerations for an Applicant when preparing a Traffic Management Control Plan when undertaking short term uses or construction arrangements.

1. Precinct Area

The precinct area at Cooks River includes the following roads:

- Canal Road;
- Bernie Street;
- Talbot Street; and
- Bellevue Street.

2. Traffic Management Principles

The following transport management principles have been adopted at Cooks River:

- all transport users are to operate on the road system in a safe manner;
- all transport users are to comply with the road traffic regulations assigned in the port precinct;
- parking is only permitted in areas authorised by Sydney Ports or lessees;
- queuing is only permitted in areas authorised by Sydney Ports or lessees;
- all transport users are to comply with any directions made by authorised officers of Sydney Ports, Roads and Traffic Authority, Marrickville Council, Police or other authorised parties; and
- any transport user may be prohibited from entering the port precinct if the traffic management principles are not followed.

A3. Precinct Plan 3 – Cooks River

3. Traffic Management Information

A series of studies and reports on current and projected traffic volumes for the port precincts at Cooks River has been compiled by Sydney Ports. This information can be made available upon request.

A set of guidelines on preparing a Traffic Management Site Plan or Traffic Management Control Plan has been compiled by Sydney Ports. It is strongly recommended that these guidelines are used by an Applicant when preparing a Traffic Management Site Plan or Traffic Management Control Plan.

4. Environmental Considerations

A proposal by an Applicant for modifications to operational and/or infrastructure traffic management arrangements at Cooks River may require an assessment to be undertaken to ensure that the proposal is acceptable from an environmental, safety and security perspective. Sydney Ports has safety and security policies for the precinct that may need to be considered as part of the proposal. It is the responsibility of an Applicant to undertake the necessary assessment when preparing a Traffic Management Site Plan or a Traffic Management Control Plan. This assessment must be completed before any modifications to operational and/or infrastructure traffic management arrangements at Cooks River are undertaken.

5. Consultation Stakeholders

A proposal by an Applicant that involves modifications to operational and/or infrastructure traffic management arrangements at Cooks River may require consultation with the following parties:

- Sydney Ports;
- adjacent lessees and landholders;
- Marrickville Council;
- Roads and Traffic Authority;

- emergency services (ie. Police, Fire Brigade, Ambulance Service);
- utilities (ie. Telstra, Energy Australia, Sydney Water);
- rail infrastructure providers (ie. RailCorp, Australian Rail Track Corporation); and
- Department of Planning.

It is the responsibility of an Applicant to undertake the necessary consultation when preparing a Traffic Management Site Plan or a Traffic Management Control Plan. Sydney Ports strongly encourages an Applicant to include a consultation program when preparing a Traffic Management Site Plan.

6. Approval Authorities

A proposal by an Applicant that involves modifications to operational and/or infrastructure traffic management arrangements at Cooks River may require traffic and/or planning approval(s) from the following agencies:

- Sydney Ports;
- Marrickville Council;
- Roads and Traffic Authority; and
- Department of Planning.

It is the responsibility of an Applicant to obtain the necessary traffic and/or planning approval(s) required when preparing a Traffic Management Site Plan or a Traffic Management Control Plan. All necessary approval(s) must be obtained in writing before any modifications to operational and/or infrastructure traffic management arrangements at Cooks River are undertaken.

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